(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
31 May 2007 (31.05.2007)

PCT

(10) International Publication Number
WO 2007/061876 A2

(51) International Patent Classification:
C12Q 1/68 (2006.01)

(21) International Application Number:
PCT/US2006/044737

(22) International Filing Date:
17 November 2006 (17.11.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/739,155 23 November 2005 (23.11.2005) US

(71) Applicant *(for all designated States except US)*: **UNIVERSITY OF UTAH RESEARCH FOUNDATION** [US/US]; 615 ARAPEEN DRIVE, SUITE 310, Salt Lake City, UT 84108 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **ELLIS, Matthew** [US/US]; 226 SPENCER ROAD, St. Louis, MO 63119 (US). **PEROU, Charles, M.** [US/US]; 103 OAK SPRING COURT, Carrboro, NC 27510 (US). **ERNARD, Philip** [US/US]; 1375 EAST BRYAN AVENUE, Salt Lake City, UT 84105 (US).

(74) Agents: **HUIZENGA, David, E.** et al.; NEEDLE & ROSENBERG, P.C., SUITE 1000, 999 PEACHTREE STREET, Atlanta, GA 30309-3915 (US).

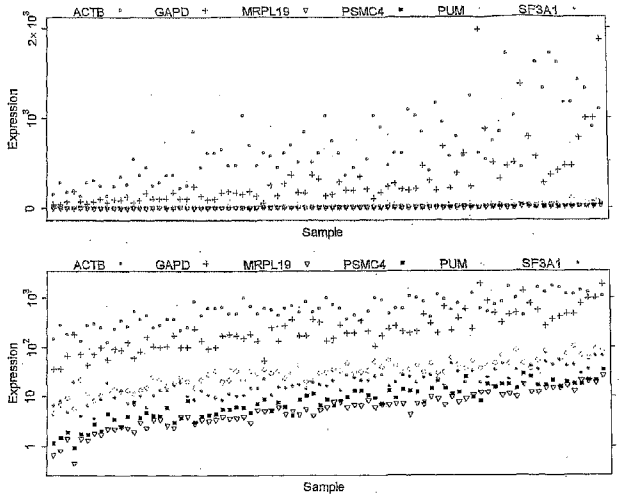
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) **Title:** METHODS AND COMPOSITIONS INVOLVING INTRINSIC GENES



(57) **Abstract:** Disclosed are compositions and methods related intrinsic gene sets and methods and compositions related to detecting and classifying cancer.

WO 2007/061876 A2

METHODS AND COMPOSITIONS INVOLVING INTRINSIC GENES

This application claims priority to U.S. Provisional Patent Application No. 60/739,155, which was filed on 23 November 2005.

I. ACKNOWLEDGEMENTS

1. This work was supported in part by the National Cancer Institute (P50-CA58223-11 and R33 CA097769-01 and U01 CA114722. The United States Government may have certain rights in the inventions disclosed herein.

II. BACKGROUND

2. A major challenge for microarray studies, especially those with clinical implications, is validation (Ioannidis 2005; Jenssen and Hovig 2005; Michiels et al. 2005). Due to the practical considerations of cost and accessing large numbers of fresh samples with associated clinical information, very few microarray studies have analyzed enough samples to allow the findings to be extended to the general population. Furthermore, it has been difficult to combine and/or validate results from independent laboratories due to differences in sample preparation, patient demographics and the microarray platforms used. An accepted method for validation is to derive a prognostic gene set from a "training set" and then apply it to a "test set" that was not used in any way, to derive the prognostic gene set (Simon et al. 2003); the "purest" test sets have also been suggested to be comprised of samples not contained in the training set and not generated by the primary investigators (Ioannidis 2005). What is needed in the art is a new breast tumor intrinsic gene list that identifies new and important biological features of breast tumors and validates this predictor using a true test set.

III. SUMMARY

3. Described herein is a method of diagnosing cancer, the method comprising comparing expression levels of a combination of genes from Table 21 to test nucleic acids wherein specific expression patterns of the test nucleic acids indicates a cancerous state.

4. Also disclosed is a method of quantitating level of expression of a test nucleic acid comprising: a) comparing gene expression levels of a combination of genes from Table 21 to test nucleic acids corresponding to the same combination of genes; and b) quantitating level of expression of the test nucleic acid.

5. Also disclosed is a method for determining prognosis based on the expression patterns in a subject diagnosed with cancer comprising: a) comparing expression levels of a combination of genes from Table 21 to test nucleic acids corresponding to the same

combination of genes, b) identifying a subtype of cancer of the subject, and c) prognosis (ie, outcome) and treatment decisions based on the subtype of cancer in the subject.

6. Disclosed is a method of classifying cancer in a subject, comprising: a) identifying intrinsic genes of the subject to be used to classify the cancer; b) obtaining a sample from the subject; c) amplifying and detecting levels of intrinsic genes in the subject; and d)classifying cancer or subject based upon results of step c.

7. Also disclosed is a method of diagnosing cancer in a subject the method comprising: a) amplifying and detecting intrinsic genes; and b) diagnosing cancer based on expression levels of the gene within the subject.

8. Disclosed herein is a method of deriving a minimal intrinsic gene set for making biological classifications of cancer comprising: a) collecting data from multiple samples from the same individual to identify potential intrinsic classifier genes; b) weighting intrinsic classifier genes of multiple individuals identified using the method of step a relative to each other and forming classification clusters; c) estimating the number of clusters formed in step b) and assigning individual samples to classification clusters; d) identifying genes that optimally distinguish the samples in the assigned groups of step c); e) performing iterative cross-validation with a nearest centroid classifier and overlapping gene sets of various sizes using the genes identified in step d); and f) choosing a gene set which provides the highest class prediction accuracy when compared to the classifications made in step b).

9. Also disclosed is a method of assigning a sample to an intrinsic subtype, comprising a) creating an intrinsic subtype average profile (centroid) for each subtype; b) individually comparing a new sample to each centroid; and c) assigning the new sample to the centroid that is most similar to the expression profile of new sample.

IV. BRIEF DESCRIPTION OF THE DRAWINGS

10. The accompanying drawings, which are incorporated in and constitute a part of this specification, illustrate several embodiments and together with the description illustrate the disclosed compositions and methods.

11. Figure 1 shows the expression levels for the five genes shown by tissue sample. Top: raw data. Bottom: log-scale.

12. Figure 2 shows the expression levels of the 10 genes shown by sample and tissue type. Vandesompele data set in log-scale.

13. Figure 3 shows the mean squared error (MSE) of each gene by tissue-type. The sign is determined by the direction of the bias. The MSE is broken down into the contributing components of the squared bias (Bias^2) and the variance (Sigma^2). Vandesompele data set.

14. Figure 4 shows two-way hierarchical clustering of microarray data for the same samples assayed by qRT-PCR. Samples were classified based on the expression of 402 "intrinsic" genes defined in Sorlie et al. 2003. The expression level for each gene is shown relative to the median expression of that gene across all the samples with high expression represented by red and low expression represented by green. Genes with median expression are black and missing values are gray. The sample-associated dendrogram shows the same classes seen by qRT-PCR (Figure 5). Samples are grouped into Luminal, HER2+/ER-, Normal-like, and Basal-like subtypes. Overall, 114/123 (93%) primary breast samples classified the same between microarray and qRT-PCR.

15. Figure 5 shows two-way hierarchical clustering of real-time qRT-PCR data from 126 unique samples. The sample-associated dendrogram (5A) shows the same classes seen by microarray. Samples are grouped into Luminal (blue), HER2+/ER- (pink), Normal-like (green), and Basal-like (red) subtypes. The expression level for each gene is shown relative to the median expression of that gene across all the samples with high expression represented by red and low expression represented by green. Genes with median expression are black and missing values are gray. A minimal set of 37 "intrinsic" genes (5B) was used to classify tumors into their primary "intrinsic" subtypes. The "intrinsic" gene set was supplemented using PgR and EGFR (5C), and proliferation genes (5D). The genes in 1C and 1D were clustered separately in order to determine agreement between the minimal 37 qRT-PCR "intrinsic" set (5A) and the larger 402 microarray "intrinsic" set.

16. Figure 6 shows Receiver Operator Curves. The agreement between immunohistochemistry (IHC) and gene expression is shown for ER (6A), PR (6B), and HER2 (6C) using ROC. A cut-off for relative gene copy number was selected by minimizing the sum of the observed false positive and false negative errors. The sensitivity and specificity of the resulting classification rule were estimated via bootstrap adjustment for optimism. Since many biomarkers having concordant expression and can serve as surrogates for one another, we tested the accuracy of using GATA3 and GRB7 as surrogates (dotted lines) for calling ER and HER2 protein status, respectively. There was overall good agreement between gene expression and IHC status for ER and PR, but poor agreement between gene expression and IHC status for

HER2. The surrogate markers had similar accuracy to the actual markers for predicting IHC status.

17. Figure 7 shows outcome for "intrinsic" subtypes. Kaplan-Meier plots showing relapse free survival (RFS) and overall survival (OS) for patients with Luminal tumors compared to those with HER2+/ER- or Basal-like tumors. Patients with Luminal tumors showed significantly better outcomes for RFS (3A) and OS (3B) compared to HER2+/ER- (RFS: p=0.023; OS: p=0.003) and Basal-like (RFS: p=0.065; OS: p=0.002) tumors. Classifications were made from real-time qRT-PCR data using the minimal 37 "intrinsic" gene list. Pairwise log-rank tests were used to test for equality of the hazard functions among the intrinsic classes. Tumors in the Normal Breast-like subtype were excluded from the analyses since this class may be artificially created from having a sample comprised primarily of normal cells.

18. Figure 8 shows grade and proliferation as predictors of relapse free survival. Kaplan-Meier plots are shown for grade (8A) and the proliferation genes (8B) using Cox regression analysis. The analysis for the proliferation genes was performed on continuous expression data, although the plots are shown in tertiles. The proliferation index (log average of the 14 proliferation genes) has significant predictive value for outcome, even after correcting for other clinical parameters important for survival. Furthermore, when we include both grade and the proliferation index (and stage) in a model for RFS, we find that the proliferation index is the superior predictor (Grade p=0.51; Proliferation index p=0.047).

19. Figure 9 shows co-clustering of real-time qRT-PCR and microarray data using 50 genes and 252 samples. The relative copy number (qRT-PCR) and R/G ratio (microarray) for each gene was log2 transformed and combined into a single dataset using distance weighted discrimination. Two-way hierarchical clustering was performed on the combined dataset using Spearman correlation and average linkage. The sample associated dendrogram (5A) shows the same classes as seen in Figure 1. Samples are classified as Basal-like (red), HER2+/ER-, Luminal, and Normal-like. The expression level for each gene is shown relative to the median expression of that gene across all the samples with overexpressed genes and underexpressed genes, as well as average expression. The gene associated dendrogram (5B) shows that the Luminal tumors and Basal-like tumors differentially express estrogen associated genes (cluster 1); as well as basal keratins (KRT 5 and 17), inflammatory response genes (CX3CL1 and SLPI), and genes in the Wnt pathway (FZD7) (cluster 3). The main distinguishers of the HER2+/ER- group are low expression of genes in cluster 1 and high expression of genes on the

17q12 amplicon (ERBB2 and GRB7) (cluster 4). The proliferation genes (cluster 2) have high expression in the ER negative tumors (Basal-like and HER2+/ER-) and low expression in ER positive (Luminal) and Normal-like samples.

20. Figure 10 shows a flow chart of the steps of deriving minimal intrinsic gene sets for making biological classifications of breast cancer.

21. Figure 11 shows an overview and flow of the data sets used and analyses performed.

22. Figure 12 shows a hierarchical cluster analysis of the training set using the Intrinsic/UNC gene set. 146 microarrays, representing 105 tumors and 9 normal breast samples were analyzed using the 1300 gene Intrinsic/UNC gene set. A) Overview of the complete cluster diagram (the full cluster diagram can be found as Supplemental Figure 1). B) Experimental sample associated dendrogram. The 26 paired samples used for the intrinsic analysis are identified by the black bars. C) Luminal/ER+ gene expression cluster with GATA3-regulated genes shown in pink. D) HER2 and GRB7 containing expression cluster. E) Basal epithelial enriched expression cluster. F) Proliferation associated expression cluster. The genes in red are mentioned in the text. The Single Sample Predictor/SSP was applied back onto this training data set with the individual sample classifications identified using colored squares (Pink=HER2+/ER-, Red=Basal-like, Dark Blue=Luminal A, Light Blue=Luminal B, and Green=Normal Breast-like).

23. Figure 13 shows Androgen Receptor (AR) immunohistochemistry on human breast tumors. A) AR staining on the HER2+/ER- subtype tumor BR00-0284. B) AR staining on the HER2+/ER- subtype tumor PB455 showing nuclear localization. C) AR staining on the Luminal subtype tumor BR01-0246. D) Lack of AR staining on the Basal-like subtype tumor BR97-0137. The magnification is approximately 200X.

24. Figure 14 shows hierarchical cluster analysis the combined test set of 311 tumors and 4 normal breast samples analyzed using the Intrinsic/UNC gene set reduced to 306 genes. A) Overview of the complete cluster diagram. B) Experimental sample associated dendrogram. C) Luminal/ER+ gene expression cluster with GATA3-regulated genes in pink text. D) HER2 and GRB7 containing expression cluster. E) Interferon-regulated cluster containing STAT1. F) Basal epithelial enriched cluster. G) proliferation cluster.

25. Figure 15 shows univariate Kaplan-Meier survival plots using RFS as the endpoint, for the common clinical parameters present within the combined test set of 311 tumors. Survival plots for A) ER status, B) node status, C) grade, and D) tumor size.

26. Figure 16 shows univariate Kaplan-Meier survival plots for intrinsic subtype analyses. A) Relapse-free survival for the 105 patients/tumors training set classified using hierarchical clustering and complete 1300 gene the Intrinsic/UNC list. B) Relapse-free survival for the 315 sample combined test set analyzed using the Intrinsic/UNC list reduced to 306 genes. C) Survival analysis of the 60 adjuvant tamoxifen-treated patients from the Ma et al. 2004 study who were classified as either LumA, LumB or Normal Breast-like using the Single Sample Predictor. D) Survival analysis of the 96 local treatment only (i.e. surgery alone) test set patients taken from Chang et al. 2005, which were classified using the Single Sample Predictor. E) Survival analysis of a second pure test set of 45 patients treated with adjuvant tamoxifen and classified using the Single Sample Predictor. F) Relapse-free survival for the 105 patients/tumors training set, and classified using the Single Sample Predictor. All p-values were based on a log-rank test.

27. Figure 17 shows grade and proliferation as predictors of relapse free survival. A Cox regression model was used to determine probability of relapse over time. Kaplan-Meier curves show time to event given different grades and levels of proliferation. Grade was scored as low (green), medium (red) or high (blue). The proliferation score was based on continuous expression data and is shown as tertiles that correspond to low (green), medium (red), and high (blue) levels of expression. The proliferation meta-gene (log2 average of the 14 proliferation genes) showed significant value in predicting relapse, even after correcting for other clinical parameters important for survival (Table 1). Furthermore, when both grade and proliferation were used in a model for RFS, it was found that the proliferation meta-gene is the better predictor (Grade p=0.51; Proliferation index p=0.047).

28. Figure 18 shows an agreement plot between fresh frozen (FF) and formalin-fixed paraffin-embedded (FFPE) for the estrogen receptor gene (ESR1) after normalization to the 5 housekeepers.

29. Figure 19 shows line graphs which show the effects at each step of data processing. The raw (pre-normalized) data shows a negative bias for all genes likely due to lower RNA quality in the FFPE tissue (Fig 2A). Much of the bias was corrected by normalization to the 'housekeeper' genes and using DWD adjustment. As expected, DWD had a significant effect on bias (m) but did not effect other measurements of agreement (Fig 2B-D).

30. Figure 20 shows a large dynamic range of ESR1 expression provides clear separation of the tumors from both FF and FFPE.

31. Figure 21 shows a scatter plot of ER status by immunohistochemistry versus expression or ESR1.

32. Figure 22 shows a scatter plot of average copy number in an formalin-fixed paraffin embedded (FFPE) sample versus a fresh frozen (FF) sample. The results are normalized to all five housekeepers.

33. Figure 23 shows a scatter plot of average copy number in an formalin-fixed paraffin embedded (FFPE) sample versus a fresh frozen (FF) sample. The results are after DWD.

34. Figure 24 shows hierarchical clustering of the 124 sample training set using the "intrinsic" gene set identified in Hu et al, which shows 4 distinct classes representing Luminal, HER2+/ER-, Basal-like, and Normal-like.

35. Figure 25 shows MA P3m test (40g X 35s) gene scores, as well as FF PCR test (40g X 35s) gene scores for for basal, HER-2, luminal and normal like.

V. DETAILED DESCRIPTION

36. Before the present compounds, compositions, articles, devices, and/or methods are disclosed and described, it is to be understood that they are not limited to specific synthetic methods or specific recombinant biotechnology methods unless otherwise specified, or to particular reagents unless otherwise specified, as such may, of course, vary. It is also to be understood that the terminology used herein is for the purpose of describing particular embodiments only and is not intended to be limiting.

A. Definitions

37. As used in the specification and the appended claims, the singular forms "a," "an" and "the" include plural referents unless the context clearly dictates otherwise. Thus, for example, reference to "a pharmaceutical carrier" includes mixtures of two or more such carriers, and the like.

38. Ranges can be expressed herein as from "about" one particular value, and/or to "about" another particular value. When such a range is expressed, another embodiment includes from the one particular value and/or to the other particular value. Similarly, when values are expressed as approximations, by use of the antecedent "about," it will be understood that the particular value forms another embodiment. It will be further understood that the endpoints of each of the ranges are significant both in relation to the other endpoint, and independently of the other endpoint. It is also understood that there are a number of values disclosed herein, and that each value is also herein disclosed as "about" that particular value in

addition to the value itself. For example, if the value "10" is disclosed, then "about 10" is also disclosed. It is also understood that when a value is disclosed that "less than or equal to" the value, "greater than or equal to the value" and possible ranges between values are also disclosed, as appropriately understood by the skilled artisan. For example, if the value "10" is disclosed the "less than or equal to 10"as well as "greater than or equal to 10" is also disclosed. It is also understood that the throughout the application, data is provided in a number of different formats, and that this data, represents endpoints and starting points, and ranges for any combination of the data points. For example, if a particular data point "10" and a particular data point 15 are disclosed, it is understood that greater than, greater than or equal to, less than, less than or equal to, and equal to 10 and 15 are considered disclosed as well as between 10 and 15. It is also understood that each unit between two particular units are also disclosed. For example, if 10 and 15 are disclosed, then 11, 12, 13, and 14 are also disclosed.

39. As used throughout, by a "subject" is meant an individual. Thus, the "subject" can include, for example, domesticated animals, such as cats, dogs, etc., livestock (e.g., cattle, horses, pigs, sheep, goats, etc.), laboratory animals (e.g., mouse, rabbit, rat, guinea pig, etc.) mammals, non-human mammals, primates, non-human primates, rodents, birds, reptiles, amphibians, fish, and any other animal. The subject can be a mammal such as a primate or a human.

40. "Treating" or "treatment" does not mean a complete cure. It means that the symptoms of the underlying disease are reduced, and/or that one or more of the underlying cellular, physiological, or biochemical causes or mechanisms causing the symptoms are reduced. It is understood that reduced, as used in this context, means relative to the state of the disease, including the molecular state of the disease, not just the physiological state of the disease.

41. By "reduce" or other forms of reduce means lowering of an event or characteristic. It is understood that this is typically in relation to some standard or expected value, in other words it is relative, but that it is not always necessary for the standard or relative value to be referred to. For example, "reduces phosphorylation" means lowering the amount of phosphorylation that takes place relative to a standard or a control.

42. By "inhibit" or other forms of inhibit means to hinder or restrain a particular characteristic. It is understood that this is typically in relation to some standard or expected value, in other words it is relative, but that it is not always necessary for the standard or relative

value to be referred to." For example, "inhibits phosphorylation" means hindering or restraining the amount of phosphorylation that takes place relative to a standard or a control.

5.By "prevent" or other forms of prevent means to stop a particular characteristic or condition. Prevent does not require comparison to a control as it is typically more absolute than, for example, reduce or inhibit. As used herein, something could be reduced but not inhibited or prevented, but something that is reduced could also be inhibited or prevented. It is understood that where reduce, inhibit or prevent are used, unless specifically indicated otherwise, the use of the other two words is also expressly disclosed. Thus, if inhibits phosphorylation is disclosed, then reduces and prevents phosphorylation are also disclosed.

6.By "specific expression pattern" is meant an elevation or reduction of expression of given genes when compared with a control or a standard. One of ordinary skill in the art is capable of identifying and measuring the expression of gene patterns of genes related to the methods disclosed herein.

43. The term "therapeutically effective" means that the amount of the composition used is of sufficient quantity to ameliorate one or more causes or symptoms of a disease or disorder. Such amelioration only requires a reduction or alteration, not necessarily elimination. The term "carrier" means a compound, composition, substance, or structure that, when in combination with a compound or composition, aids or facilitates preparation, storage, administration, delivery, effectiveness, selectivity, or any other feature of the compound or composition for its intended use or purpose. For example, a carrier can be selected to minimize any degradation of the active ingredient and to minimize any adverse side effects in the subject.

44. Throughout the description and claims of this specification, the word "comprise" and variations of the word, such as "comprising" and "comprises," means "including but not limited to," and is not intended to exclude, for example, other additives, components, integers or steps.

45. The term "cell" as used herein also refers to individual cells, cell lines, or cultures derived from such cells. A "culture" refers to a composition comprising isolated cells of the same or a different type.

46. References in the specification and concluding claims to parts by weight, of a particular element or component in a composition or article, denotes the weight relationship between the element or component and any other elements or components in the composition or article for which a part by weight is expressed. Thus, in a compound containing 2 parts by

weight of component X and 5 parts by weight component Y, X and Y are present at a weight ratio of 2:5, and are present in such ratio regardless of whether additional components are contained in the compound.

47. A weight percent of a component, unless specifically stated to the contrary, is based on the total weight of the formulation or composition in which the component is included.

48. In this specification and in the claims which follow, reference will be made to a number of terms which shall be defined to have the following meanings:

49. "Optional" or "optionally" means that the subsequently described event or circumstance may or may not occur, and that the description includes instances where said event or circumstance occurs and instances where it does not.

50. "Primers" are a subset of probes which are capable of supporting some type of enzymatic manipulation and which can hybridize with a target nucleic acid such that the enzymatic manipulation can occur. A primer can be made from any combination of nucleotides or nucleotide derivatives or analogs available in the art which do not interfere with the enzymatic manipulation.

51. "Probes" are molecules capable of interacting with a target nucleic acid, typically in a sequence specific manner, for example through hybridization. The hybridization of nucleic acids is well understood in the art and discussed herein. Typically a probe can be made from any combination of nucleotides or nucleotide derivatives or analogs available in the art.

B. Compositions and methods

52. Disclosed herein are methods and compositions for deriving a minimal intrinsic gene set for making biological classifications of cancer. Also disclosed are methods of using intrinsic genes in a real-time qRT-PCR assay for cancer classification, prognosis and/or treatment. Described herein are several algorithms for use in combination in order to generate a statistically validated minimal gene set that makes biological classifications of cancers. While the methods disclosed herein are generally useful with any type of cancer, breast cancer is specifically used as an example herein. Below follows a list of specific cancers that are useful with the methods disclosed herein, and the example of breast cancer is not intended to be limiting, but rather exemplary. The samples disclosed herein can be obtained from a variety of sources, including fresh tissue, fresh-frozen samples, or formalin-fixed paraffin-embedded samples.

53. The methodology described herein can be used to make a classification that distinguishes 2 or more intrinsic subtypes of breast cancer. The intrinsic subtypes can be

designated as Luminal (and classes therein), HER2/ER- (and classes therein), Basal (and classes therein), Normal-like (and classes therein). The steps for finding the minimal intrinsic gene set for making subtype (and class) distinctions are as follows.

54. The first step is to use microarray data from biological replicates from the same patient to find intrinsic classifier genes. For example, a data set of tumors and normal breast samples can be used. In one embodiment, these data sets can comprise paired biological replicates to identify the intrinsic gene set. This is described, for example, in Perou et al. (2000), which is herein incorporated by reference in its entirety for its teaching regarding finding intrinsic classifier genes. In Perou et al., the molecular portraits revealed in the patterns of gene expression not only uncovered similarities and differences among the tumors, but also point to a biological interpretation. Variation in growth rate, in the activity of specific signalling pathways, and in the cellular composition of the tumors were all reflected in the corresponding variation in the expression of specific subsets of genes.

55. In the second step of the method disclosed herein, hierarchical cluster microarray data was obtained using an intrinsic gene set. Here, data can be combined from different microarray platforms for clustering using methods described in Example 2. Specifically, the "intrinsic gene set" from the first step (above) is tested on new tumors and normal breast samples after combining different datasets (such as cross platform analyses) and common genes/elements are hierarchically clustered. For example, a two-way average linkage hierarchical cluster analysis can be performed using a centered Pearson correlation metric and the program "Cluster" (Eisen et al. 1998), with the data being displayed relative to the median expression for each gene (i.e. median centering of the rows/genes).

56. In the third step, the number of clusters formed in the microarray dataset is estimated, and samples/tumors are assigned to clusters based on the sample-associated dendrogram groupings. In other words, the "test set" is used as a training set to create subtype centroids based upon the expression of the common intrinsic genes. New samples are assigned to the subtype corresponding to the nearest centroid when using Spearman correlation values.

57. In the fourth step, genes are found that optimally distinguish the samples in the assigned groups using the ratio of between-group to within-group sums of squares (the entire microarray dataset is used in this analysis). An example of this can be found in Chung et al, Cancer Cell 2004, herein incorporated by reference in its entirety for its teaching concerning identification of genes that optimally distinguish samples.

58. In the fifth step, iterative cycles of 10-fold cross-validation are performed with a nearest centroid classifier and overlapping gene sets of varying sizes. In other words, each gene and gene set are ranked based upon the metric from step four above, and various overlapping and every increasing sized genes lists are used in a 10-fold cross validation.

59. In the sixth, and final step, the smallest gene set which provides the highest class prediction accuracy when compared to the classifications made by the complete microarray-based intrinsic gene set is chosen. Subtypes are assigned for each gene set and the minimal gene set with the highest agreement in sample assignment to the full intrinsic gene set is chosen. In one example, using a 1410 intrinsic gene set as disclosed in Example 2, 100 genes were identified (see Table 12 (7p 100), after the "Examples" section) that are important for identifying 7 different biological classes of breast cancer. Specific steps and sample sets used to develop the 7-class predictor as shown in Figure 11. Also disclosed in Table 13 is an extended list of genes for classification resulting from the 7p analyses. This list is ranked in terms of significance for separating the different classes of intrinsic classifier genes. Another set of intrinsic genes that can be used for classification is found in Table 21, along with the primers that can be used to amplify those genes. It should be noted that the primers are optional and exemplary only, as any primer that can amplify a given gene can be used.

60. The minimal intrinsic gene set (identified using the methods described above, and found in Tables 12 and 13) has prognostic and predictive significance in breast cancer. The complete assay for making these biological "intrinsic" classifications includes 3 "housekeeper" genes (MRPL19, PUM1, and PSMC4) for normalizing the quantitative data. In addition, it has been shown that proliferation genes can also be used in combination with the housekeeper genes for providing a quantitative measurement of grade and for assessing prognosis in breast cancer.

61. Also disclosed herein is the Single Sample Predictor (SSP). The Single Sample Predictor/SSP is based upon the Nearest Centroid method presented in (Hastie et al. 2001). The subtype centroids (either all intrinsic genes or the minimal gene lists) can be used to make subtype predictions on additional test sets (e.g., homogenously treated subjects from clinical trial groups). The resulting classifications are then analyzed using Kaplan-Meier survival plots to determine prognostic and therapeutic significance. An example of SSP can be found in Example 2.

1. Intrinsic genes and cancer

62. An intrinsic gene is a gene that shows little variance within repeated samplings of the same tumor, but which shows high variance across tumors. Disclosed herein are genes that can be used as intrinsic genes with the methods disclosed herein. The intrinsic genes disclosed herein can be genes that have less than or equal to 0.00001, 0.0001, 0.001, 0.01, 0.1, 0.2. 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 1,000, 10,000, or 100,000% variation between two samples from the same tissue. It is also understood that these levels of variation can also be applied across 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, or 50 or more tissues, and the level of variation compared. It is also understood that variation can be determined as discussed in the examples using the algorithms as disclosed herein.

63. "Intrinsic gene set" is defined herein as comprising one or more intrinsic genes. "Minimal intrinsic gene set" is defined herein as being derived from an intrinsic gene set, and is considered the fewest number of intrinsic genes that can be used to classify a sample.

64. Disclosed herein is a set of 212 minimal intrinsic genes, as found in Table 21. These genes can be used alone, or in combination, as intrinsic genes for the purposes of classification, prognosis, and diagnosis of cancer, for example. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199 of the genes can be used with the methods disclosed herein for analyzing samples.

65. Described herein is a method of diagnosing cancer, the method comprising comparing expression levels of a combination of genes from Table 21 to test nucleic acids

corresponding to the same combination of genes, wherein specific expression patterns of the test nucleic acids indicates a cancerous state.

66. Also disclosed is a method of quantitating level of expression of a test nucleic acid comprising: a) comparing gene expression levels of a combination of genes from Table 21 to test nucleic acids corresponding to the same combination of genes; and b) quantitating level of expression of the test nucleic acid.

67. Also disclosed is a method of prognosing outcome in a subject diagnosed with cancer comprising: a) comparing expression levels of a combination of genes from Table 21 to test nucleic acids corresponding to the same combination of genes, b) identifying a subtype of cancer of the subject, and c) prognosing the outcome based on the subtype of cancer of the subject.

68. The intrinsic genes disclosed herein can be normalized to control housekeeper genes and used in a qRT-PCR diagnostic assay that uses relative copy number to assess risk or therapeutic response in cancer. For example, MRPL19 (SEQ ID NO:1), PSMC4 (SEQ ID NO:2), SF3A1 (SEQ IDNO:3), PUM1 (SEQ ID NO:4), ACTB (SEQ ID NO:5) and GAPD (SEQ ID NO:6). Other genes include GUSB, RPLP0, and TFRC, whose sequences can be found in Genbank. These are part of the 212 gene list. Other genes as disclosed herein can also be considered intrinsic genes.

69. The intrinsic genes can be used in any combination or singularly in any method described herein. It is also understood that any nucleic acid related to the expression control genes, such as the RNA, mRNA, exons, introns, or 5' or 3' upstream or downstream sequence, or DNA or gene can be used or identified in any of the methods or with any of the compositions disclosed herein.

2. Molecules for detecting genes, gene expression products, proteins encoded by genes

70. The disclosed methods involve using specific intrinsic genes or gene sets or expression control genes or gene sets such that they are detected in some way or their expression product is detected in some way. Typically the expression of a gene or its expression product will be detected by a primer or probe as disclosed herein. However, it is understood that they can also be detected by any means, such as in a microarray analysis or a specific monoclonal antibody or other visualization technique. Often, the expression of the genes of interest (control "housekeeper" genes or intrinsic classifier genes) can be detected after or during an amplification process, such as RT-PCR, including quantitative PCR.

3. Method of diagnosing or prognosing cancer

Microarrays have shown that gene expression patterns can be used to molecularly classify various types of cancers into distinct and clinically significant groups. In order to translate these profiles into routine diagnostics, a microarray breast cancer classification system has been recapitulated using real-time quantitative (q)RT-PCR (Example 2). Statistical analyses were performed on multiple independent microarray datasets to select an "intrinsic" gene set that can classify breast tumors into four different subtypes designated as Luminal, Normal-like, HER2+/ER-, and Basal-like. Intrinsic genes, as described in Perou et al. (Nature (2000) 406:747-752), are statistically selected to have low variation in expression between biological sample replicates from the same individual and high variation in expression across samples from different individuals. Thus, intrinsic genes are the classifier genes for breast cancer classification and each classifier gene can be normalized to the housekeeper (or control) genes in order to make the classification. A minimal gene set from the microarray "intrinsic" list, and additional genes important for outcome (e.g., proliferation genes), were used to develop a real-time qRT-PCR assay comprised of 53 classifiers and 3 housekeepers. The expression data and classifications from microarray and real-time qRT-PCR were respectively compared using 123 unique breast samples (117 invasive carcinomas, 1 fibroadenoma and 5 normal tissues) and 3 cells lines. The overall correlation for the 50 genes in common between microarray and qRT-PCR was 0.76. There was 91% (114/126) concordance in the hierarchical clustering classification of the real-time qRT-PCR minimal "intrinsic" gene set (37 genes) and the larger (550 genes) microarray intrinsic gene set from which the PCR list was derived. As expected, the Luminal tumors (ER+) had a significantly better outcome than the HER2+/ER- ($p=0.043$) and Basal-like tumors ($p=0.001$). High expression of the proliferation genes GTBP4 ($p=0.011$), HSPA14 ($p=0.023$), and STK6 ($p=0.027$) were significant predictors of relapse free survival (RFS) independent of grade and stage. It has been shown that genomic microarray data can be translated into a qRT-PCR diagnostic assay that improves the standard of care in breast cancer.

The overlap in the minimized gene set discussed above and in Example 2 versus those in Example 3 is 14 out of 40. There are 108 genes in common between the larger intrinsic gene sets, which included 427 in Perreard et al versus 1300 used in Example 3. Example 2 illustrates how intrinsic gene sets can be minimized from microarray data and used on fresh tissue in a qRT-PCR assay to recapitulate the microarray classifications. It also shows the importance of the 'proliferation' genes in risk stratifying Luminal (ER+) breast tumors.

Example 3 discusses a version of the intrinsic gene set from Hu et al and shows again how it can be minimized to provide intrinsic classifications on both fresh and FFPE tissue and using microarray or qRT-PCR data. Validated primer sequences from FFPE tissues for 212 genes important for breast cancer diagnostics are presented in Table 21.

71. A major challenge in the clinical care of cancer has been providing an accurate diagnosis for appropriate management of breast cancer. For over 50 years, medicine has relied on morphological features (histopathology) and anatomic staging (Tumor size/Node involvement/Metastasis) for classification of tumors (Greenough, R.B. J Cancer Res 9:452-463; Bloom et al. (1957) British Journal of Cancer 9:359-377). The TNM staging system provides information about the extent of disease and has been the "gold standard" for prognosis (Henson, et al. (1991) Cancer 68:2142-2149; Fitzgibbons, et al (2000) Arch Pathol Lab Med 124:966-978).

72. In addition to TNM, the grade of the tumor is also prognostic for relapse free survival (RFS) and overall survival (OS) (Elston et al. (1991) Histopathology 19:403-410). Tumor grade is determined from histological assessment of tubule formation, nuclear pleomorphism, and mitotic count. Due to the subjective nature of grading and difficulties standardizing methods, there has been less than optimal agreement between pathologists (Dalton et al. (1994) Cancer 73:2765-2770). Applying the Nottingham combined histological grade has made scoring more quantitative and improved agreement between observers (Frierson (1995) Am J Clin Pathol 103:195-198), however, more objective methods are still needed before grade is integrated into the TNM classification (Singletary (2003) Surg Clin North Am 83:803-819). For instance, most studies show significance in outcome between Grade 1 (low/least aggressive) and Grade 3 (high/most aggressive), but Grade 2 (intermediate) tumors show variability in outcome and are commonly not classified the same across institutions (Kollias et al. (1999) Eur J Cancer 35:908-912; Robbins et al. (1995) Hum Pathol 26:873-879; Genestie et al. (1998) Anticancer Res 18:571-576.). Alternatively, proliferation assays, such as S-phase fraction and mitotic index, have shown to be independent prognostic indicators and could be used in conjunction with, or instead of grade (Michels et al. (2004) Cancer 100:455-464; Caly et al. (2004) Anticancer Res 24:3283-3288). It has been shown that proliferation genes can be used in a qRT-PCR assay and the genes can be averaged to produce a proliferation meta-gene that correlates with grade but is more prognostic (Figure 17).

73. Women with the same stage of breast cancer can have widely different clinical outcomes due to differences in tumor biology (van 't Veer et al. (2002) Nature 415:530-536;

van de Vijver et al. (2002) N Engl J Med 347:1999-2009). The use of gene expression markers in breast pathology can provide addition clinical information that complements the TNM system for prognosis and is important for making therapeutic decisions (van 't Veer et al. (2002) Nature 415:530-536; van de Vijver et al. (2002) N Engl J Med 347:1999-2009; Paik et al. (2004) N Engl J Med 351:2817-2826; Sørlie et al. (2001) Proc Natl Acad Sci U S A 98:10869-10874; Sorlie et al. (2003) Proc Natl Acad Sci U S A 100:8418-8423). Undoubtedly, one of the greatest advancements in breast cancer medicine has been the identification and routine testing for the expression of the hormone receptors, namely the Estrogen Receptor (ER) and the Progesterone Receptor (PgR), which allows the clinician to offer endocrine blockade therapy that can significantly prolong survival in women with tumors expressing these proteins (Buzdar et al. (2003) J Clin Oncol 21:1007-1014; Fisher et al (1989) N Engl J Med 320:479-484).

74. Although ER expression is a predictive marker, it also serves as a surrogate marker for describing a tumor biology that is characteristically less aggressive (e.g. lower grade) than ER-negative tumors (Fisher et al. (1981) Breast Cancer Res Treat 1:37-41). Microarrays have elucidated the richness and diversity in the biology of breast cancer and have identified many genes that associate with ER-positive and ER-negative tumors (Perou et al. (2000) Nature 406:747-752; West et al. (2001) Proc Natl Acad Sci U S A 98:11462-11467; Gruvberger et al. (2001) Cancer Res 61:5979-5984). When microarray data from invasive breast carcinomas are analyzed by hierarchical clustering, samples are separated primarily based on ER status (Sotiriou et al. (2003) Proc Natl Acad Sci U S A 100:10393-10398).

75. Breast tumors of the "Luminal" subtype are ER positive and have a similar keratin expression profile as the epithelial cells lining the lumen of the breast ducts (Taylor-Papadimitriou et al. (1989) J Cell Sci 94:403-413; Perou et al. (2000) New Technologies for life sciences: A Trends Guide:67-76). Conversely, ER-negative tumors can be broken into two main subtypes, namely those that overexpress (and are DNA amplified for) HER2 and GRB7 (HER2+/ER-), and "Basal-like" tumors that have an expression profile similar to basal epithelium and express Keratin 5, 6B and 17. Both these tumor subtypes are aggressive and typically more deadly than Luminal tumors; however, there are subtypes of Luminal tumors that lead to poor outcome despite being ER-positive. For instance, Sorlie et al. identified a Luminal B subtype with similar outcomes to the HER2+/ER- and Basal-like subtypes, and Sotiriou et al. showed that there are 3 different types of Luminal tumors with different outcomes. The Luminal tumors with poor outcomes consistently share the histopathological

feature of being higher grade and the molecular feature of highly expressing proliferation genes.

76. The so called "proliferation genes" show periodicity in expression through the cell cycle and have a variety of functions necessary for cell growth, DNA replication, and mitosis (Whitfield et al. (2002) Mol Biol Cell 13:1977-2000; Ishida et al. Mol Cell Biol 21:4684-4699). Despite their diverse functions, proliferation genes have similar gene expression profiles when analyzed by hierarchical clustering. As might be expected, proliferation genes correlate with grade, the mitotic index (Perou et al. (1999) Proc Natl Acad Sci U S A 96:9212-9217), and outcome (Sørlie et al. (2001) Proc Natl Acad Sci U S A 98:10869-10874). Proliferation genes are often selected when supervised analysis is used to find genes that correlate with patient outcome. For example, the SAM264 "survival" list presented in Sorlie et al., the 231 "prognosis classifier" list in van't Veer et al., and the "485 prognostic gene" list in Sotiriou et al., identified common proliferation genes (PCNA, TOP2A, CENPF). This suggests that all these studies are likely tracking a similar phenotype.

77. Gene expression profiling using DNA microarrays is a powerful tool to discover genes for molecular classifications of cancer but the platforms are labor intensive, expensive and currently not amenable to routine clinical diagnostics. Real-time qRT-PCR is well-suited for solid tumor diagnostics since it is rapid, homogenous (amplification and quantification in a single vessel), and can be performed from archived (FFPE tissue) samples. Example 3 shows that FFPE samples can perform as well as fresh samples. It has been shown that "intrinsic" breast cancer classifications from microarray can be recapitulated by qRT-PCR using a minimal "intrinsic" gene set. In addition, by supplementing the "intrinsic" gene set with proliferation genes, a more objective measurement of grade has been developed. The assay disclosed herein adds prognostic information to the standard of care for breast cancer.

78. Microarray used in conjunction with RT-PCR provides a powerful system for discovering and translating genomic markers into the clinical laboratory for molecular diagnostics. Although these platforms are fundamentally very different, the quantitative data across the methods have a high correlation. In fact, the data across the methods is no more disparate then across different microarray platforms. By hierarchical clustering, it has been shown that a biological classification of breast cancer derived from microarray data can be recapitulated using real-time qRT-PCR. Biological classification by real-time qRT-PCR makes the important clinical distinction between ER positive and ER negative tumors and identifies

additional subtypes that have prognostic (ie, correlate to outcome) and predictive value (ie, correlate to treatment response).

79. The benefit of using real-time qRT-PCR for cancer diagnostics is that new informative markers can be readily validated and implemented, making tests expandable and/or tailored to the individual. For instance, it has been shown that including proliferation genes serves a similar purpose to grade but is more prognostic. Since grade has been shown to be universal as a prognostic factor in cancer, it is likely that the same markers correlate to grade and are important for survival in other tumor types. Real-time qRT-PCR is attractive for clinical use because it is fast, reproducible, tissue sparing, and able to be automated. Although genomic profiling should currently be used for ancillary testing, the fact that normal tissues can be distinguished from tumor tissue shows that these molecular assays may eventually be used for cancer diagnostics without histological corroboration.

80. Disclosed is a method of classifying cancer in a subject, comprising: a) identifying intrinsic genes of the subject to be used to classify the cancer; b) obtaining a sample from the subject; c) amplifying and detecting levels of intrinsic genes in the subject; and d)classifying cancer based upon results of step c. The sample can be fresh, or can be an FFPE sample.

81. Also disclosed is a method of diagnosing cancer in a subject the method comprising: a) amplifying and detecting intrinsic genes; and b) diagnosing cancer based on expression levels of the gene within the subject. The methods disclosed herein can be used with any of the types of cancer listed herein. The cancer can be breast cancer, for example. The breast cancer can be classified into one of four or more groups: luminal, normal-like, HER2+/ER- and basal-like, for example. Again, the sample can be fresh, or can be an FFPE sample.

82. Disclosed are methods of analyzing nucleic acid expression levels in a sample, the methods comprising comparing expression levels of an intrinsic gene set to a test nucleic acid, wherein specific expression patterns of the test gene relative to the intrinsic gene set indicates a diagnoses, poor prognosis, likelihood of obtaining, predisposition to obtaining, or presence of a cancer. Also disclosed are methods wherein the step of comparing comprises identifying the expression levels of an intrinsic gene set and a test nucleic acid by interaction with a primer or probe.

83. Disclosed are methods where a specific expression pattern of a test nucleic acid relative to an intrinsic gene set indicates the presence of a cancer, a poor (or good) prognosis

for a patient having a cancer, a predisposition of getting a cancer, or a diagnoses of cancer or a cancerous state.

84. It is understood that any method of assaying any gene discussed herein can be performed. For example methods of assaying gene copy number or mRNA expression copy number can be performed. For example, RT-PCR, PCR, quantitative PCR, and any other forms of nucleic acid amplification can be performed. Furthermore, methods of hybridization, such as blotting, such as Northern or Southern techniques, such as chip and microarray techniques and any other techniques involving hybridizing of nucleic acids.

4. A non-limiting list of Cancers which can be assayed with disclosed compositions and methods

85. The disclosed compositions can be used to diagnose or prognose any disease where uncontrolled cellular proliferation occurs such as cancers. A non-limiting list of different types of cancers is as follows: lymphomas (Hodgkins and non-Hodgkins), leukemias, carcinomas, carcinomas of solid tissues, squamous cell carcinomas, adenocarcinomas, sarcomas, gliomas, high grade gliomas, blastomas, neuroblastomas, plasmacytomas, histiocytomas, melanomas, adenomas, hypoxic tumours, myelomas, AIDS-related lymphomas or sarcomas, metastatic cancers, or cancers in general.

86. A representative but non-limiting list of cancers that the disclosed compositions can be used to diagnose or prognose is the following: lymphoma, B cell lymphoma, T cell lymphoma, mycosis fungoides, Hodgkin's Disease, myeloid leukemia, bladder cancer, brain cancer, nervous system cancer, head and neck cancer, squamous cell carcinoma of head and neck, kidney cancer, lung cancers such as small cell lung cancer and non-small cell lung cancer, neuroblastoma/glioblastoma, ovarian cancer, pancreatic cancer, prostate cancer, skin cancer, liver cancer, melanoma, squamous cell carcinomas of the mouth, throat, larynx, and lung, colon cancer, cervical cancer, cervical carcinoma, breast cancer, and epithelial cancer, renal cancer, genitourinary cancer, pulmonary cancer, esophageal carcinoma, head and neck carcinoma, large bowel cancer, hematopoietic cancers; testicular cancer; colon and rectal cancers, prostatic cancer, or pancreatic cancer.

87. Compounds disclosed herein may also be used for the diagnosis or prognosis of precancer conditions such as cervical and anal dysplasias, other dysplasias, severe dysplasias, hyperplasias, atypical hyperplasias, and neoplasias.

5. Methods of identifying a minimal intrinsic gene set

88. Disclosed are methods of identifying minimal intrinsic genes. These methods are described in detail above, and generally comprise the following: deriving a minimal intrinsic gene set for making biological classifications of cancer comprising: a) collecting data from multiple samples from the same or different individuals to identify potential intrinsic classifier genes (microarray data can be used in this step, for example); b) weighting intrinsic classifier genes of multiple individuals identified using the method of step a relative to each other and forming classification clusters (weighting can be done, for example, by forming hierarchical clusters); c) estimating the number of clusters formed in step b) and assigning individual samples to clusters; d) identifying genes that optimally distinguish the samples in the assigned groups of step c); e) performing iterative cross-validation with a nearest centroid classifier and overlapping gene sets of various sizes using the genes identified in step d); and f) choosing a gene set which provides the highest class prediction accuracy when compared to the classifications made in step b).

89. Also disclosed is a method of assigning a sample to an intrinsic subtype, comprising a) creating an intrinsic subtype average profile (centroid) for each subtype; b) individually comparing a new sample to each centroid; and c) assigning the new sample to the centroid that is most similar to the new sample. This is known as the Single Sample Predictor (SSP) method, and is described in further detail in Example 2.

90. Also disclosed are computerized implementing systems, as well as storage and retrieval systems, of biological information, comprising: a data entry means; a display means; a programmable central processing unit; and a data storage means having expression data for a gene electronically stored; wherein the stored sequences are used as input data for determining which sequence is the best intrinsic gene set for a specific tissue type.

C. Compositions

91. Disclosed are the components to be used to prepare the disclosed compositions as well as the compositions themselves to be used within the methods disclosed herein. These and other materials are disclosed herein, and it is understood that when combinations, subsets, interactions, groups, etc. of these materials are disclosed that while specific reference of each various individual and collective combinations and permutation of these compounds may not be explicitly disclosed, each is specifically contemplated and described herein. For example, if a particular expression control gene is disclosed and discussed and a number of modifications that can be made to a number of molecules including the expression control gene are

discussed, specifically contemplated is each and every combination and permutation of expression control gene and the modifications that are possible unless specifically indicated to the contrary. Thus, if a class of molecules A, B, and C are disclosed as well as a class of molecules D, E, and F and an example of a combination molecule, A-D is disclosed, then even if each is not individually recited each is individually and collectively contemplated meaning combinations, A-E, A-F, B-D, B-E, B-F, C-D, C-E, and C-F are considered disclosed. Likewise, any subset or combination of these is also disclosed. Thus, for example, the sub-group of A-E, B-F, and C-E would be considered disclosed. This concept applies to all aspects of this application including, but not limited to, steps in methods of making and using the disclosed compositions. Thus, if there are a variety of additional steps that can be performed it is understood that each of these additional steps can be performed with any specific embodiment or combination of embodiments of the disclosed methods.

1. Sequence similarities

92. It is understood that as discussed herein the use of the terms homology and identity mean the same thing as similarity. Thus, for example, if the use of the word homology is used between two non-natural sequences it is understood that this is not necessarily indicating an evolutionary relationship between these two sequences, but rather is looking at the similarity or relatedness between their nucleic acid sequences. Many of the methods for determining homology between two evolutionarily related molecules are routinely applied to any two or more nucleic acids or proteins for the purpose of measuring sequence similarity regardless of whether they are evolutionarily related or not.

93. In general, it is understood that one way to define any known variants and derivatives or those that might arise, of the disclosed genes and proteins herein, is through defining the variants and derivatives in terms of homology to specific known sequences. This identity of particular sequences disclosed herein is also discussed elsewhere herein. In general, variants of genes and proteins herein disclosed typically have at least, about 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, or 99 percent homology to the stated sequence or the native sequence. Those of skill in the art readily understand how to determine the homology of two proteins or nucleic acids, such as genes. For example, the homology can be calculated after aligning the two sequences so that the homology is at its highest level.

94. Another way of calculating homology can be performed by published algorithms. Optimal alignment of sequences for comparison may be conducted by the local homology

algorithm of Smith and Waterman Adv. Appl. Math. 2: 482 (1981), by the homology alignment algorithm of Needleman and Wunsch, J. MoL Biol. 48: 443 (1970), by the search for similarity method of Pearson and Lipman, Proc. Natl. Acad. Sci. U.S.A. 85: 2444 (1988), by computerized implementations of these algorithms (GAP, BESTFIT, FASTA, and TFASTA in the Wisconsin Genetics Software Package, Genetics Computer Group, 575 Science Dr., Madison, WI), or by inspection.

95. The same types of homology can be obtained for nucleic acids by for example the algorithms disclosed in Zuker, M. *Science* 244:48-52, 1989, Jaeger et al. *Proc. Natl. Acad. Sci. USA* 86:7706-7710, 1989, Jaeger et al. *Methods Enzymol.* 183:281-306, 1989 which are herein incorporated by reference for at least material related to nucleic acid alignment. It is understood that any of the methods typically can be used and that in certain instances the results of these various methods may differ, but the skilled artisan understands if identity is found with at least one of these methods, the sequences would be said to have the stated identity, and be disclosed herein.

96. For example, as used herein, a sequence recited as having a particular percent homology to another sequence refers to sequences that have the recited homology as calculated by any one or more of the calculation methods described above. For example, a first sequence has 80 percent homology, as defined herein, to a second sequence if the first sequence is calculated to have 80 percent homology to the second sequence using the Zuker calculation method even if the first sequence does not have 80 percent homology to the second sequence as calculated by any of the other calculation methods. As another example, a first sequence has 80 percent homology, as defined herein, to a second sequence if the first sequence is calculated to have 80 percent homology to the second sequence using both the Zuker calculation method and the Pearson and Lipman calculation method even if the first sequence does not have 80 percent homology to the second sequence as calculated by the Smith and Waterman calculation method, the Needleman and Wunsch calculation method, the Jaeger calculation methods, or any of the other calculation methods. As yet another example, a first sequence has 80 percent homology, as defined herein, to a second sequence if the first sequence is calculated to have 80 percent homology to the second sequence using each of calculation methods (although, in practice, the different calculation methods will often result in different calculated homology percentages).

2. Hybridization/selective hybridization

97. The term hybridization typically means a sequence driven interaction between at least two nucleic acid molecules, such as a primer or a probe and a gene. Sequence driven interaction means an interaction that occurs between two nucleotides or nucleotide analogs or nucleotide derivatives in a nucleotide specific manner. For example, G interacting with C or A interacting with T are sequence driven interactions. Typically sequence driven interactions occur on the Watson-Crick face or Hoogsteen face of the nucleotide. The hybridization of two nucleic acids is affected by a number of conditions and parameters known to those of skill in the art. For example, the salt concentrations, pH, and temperature of the reaction all affect whether two nucleic acid molecules will hybridize.

98. Parameters for selective hybridization between two nucleic acid molecules are well known to those of skill in the art. For example, in some embodiments selective hybridization conditions can be defined as stringent hybridization conditions. For example, stringency of hybridization is controlled by both temperature and salt concentration of either or both of the hybridization and washing steps. For example, the conditions of hybridization to achieve selective hybridization may involve hybridization in high ionic strength solution (6X SSC or 6X SSPE) at a temperature that is about 12-25°C below the Tm (the melting temperature at which half of the molecules dissociate from their hybridization partners) followed by washing at a combination of temperature and salt concentration chosen so that the washing temperature is about 5°C to 20°C below the Tm. The temperature and salt conditions are readily determined empirically in preliminary experiments in which samples of reference DNA immobilized on filters are hybridized to a labeled nucleic acid of interest and then washed under conditions of different stringencies. Hybridization temperatures are typically higher for DNA-RNA and RNA-RNA hybridizations. The conditions can be used as described above to achieve stringency, or as is known in the art. (Sambrook et al., Molecular Cloning: A Laboratory Manual, 2nd Ed., Cold Spring Harbor Laboratory, Cold Spring Harbor, New York, 1989; Kunkel et al. Methods Enzymol. 1987:154:367, 1987 which is herein incorporated by reference for material at least related to hybridization of nucleic acids). A preferable stringent hybridization condition for a DNA:DNA hybridization can be at about 68°C (in aqueous solution) in 6X SSC or 6X SSPE followed by washing at 68°C. Stringency of hybridization and washing, if desired, can be reduced accordingly as the degree of complementarity desired is decreased, and further, depending upon the G-C or A-T richness of any area wherein variability is searched for. Likewise, stringency of hybridization and washing, if desired, can

be increased accordingly as homology desired is increased, and further, depending upon the G-C or A-T richness of any area wherein high homology is desired, all as known in the art.

99. Another way to define selective hybridization is by looking at the amount (percentage) of one of the nucleic acids bound to the other nucleic acid. For example, in some embodiments selective hybridization conditions would be when at least about, 60, 65, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 percent of the limiting nucleic acid is bound to the non-limiting nucleic acid. Typically, the non-limiting primer is in for example, 10 or 100 or 1000 fold excess. This type of assay can be performed at under conditions where both the limiting and non-limiting primer are for example, 10 fold or 100 fold or 1000 fold below their k_d, or where only one of the nucleic acid molecules is 10 fold or 100 fold or 1000 fold or where one or both nucleic acid molecules are above their k_d.

100. Another way to define selective hybridization is by looking at the percentage of primer that gets enzymatically manipulated under conditions where hybridization is required to promote the desired enzymatic manipulation. For example, in some embodiments selective hybridization conditions would be when at least about, 60, 65, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 percent of the primer is enzymatically manipulated under conditions which promote the enzymatic manipulation, for example if the enzymatic manipulation is DNA extension, then selective hybridization conditions would be when at least about 60, 65, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 percent of the primer molecules are extended. Preferred conditions also include those suggested by the manufacturer or indicated in the art as being appropriate for the enzyme performing the manipulation.

101. Just as with homology, it is understood that there are a variety of methods herein disclosed for determining the level of hybridization between two nucleic acid molecules. It is understood that these methods and conditions may provide different percentages of hybridization between two nucleic acid molecules, but unless otherwise indicated meeting the parameters of any of the methods would be sufficient. For example if 80% hybridization was required and as long as hybridization occurs within the required parameters in any one of these methods it is considered disclosed herein.

102. It is understood that those of skill in the art understand that if a composition or method meets any one of these criteria for determining hybridization either collectively or singly it is a composition or method that is disclosed herein.

3. Nucleic acids

103. There are a variety of molecules disclosed herein that are nucleic acid based, including for example the nucleic acids that encode, for example, the intrinsic genes disclosed herein (Table 12), as well as various functional nucleic acids. The disclosed nucleic acids are made up of for example, nucleotides, nucleotide analogs, or nucleotide substitutes. Non-limiting examples of these and other molecules are discussed herein. It is understood that for example, when a vector is expressed in a cell, that the expressed mRNA will typically be made up of A, C, G, and U. Likewise, it is understood that if, for example, an antisense molecule is introduced into a cell or cell environment through for example exogenous delivery, it is advantagous that the antisense molecule be made up of nucleotide analogs that reduce the degradation of the antisense molecule in the cellular environment.

a) Nucleotides and related molecules

104. A nucleotide is a molecule that contains a base moiety, a sugar moiety and a phosphate moiety. Nucleotides can be linked together through their phosphate moieties and sugar moieties creating an internucleoside linkage. The base moiety of a nucleotide can be adenin-9-yl (A), cytosin-1-yl (C), guanin-9-yl (G), uracil-1-yl (U), and thymin-1-yl (T). The sugar moiety of a nucleotide is a ribose or a deoxyribose. The phosphate moiety of a nucleotide is pentavalent phosphate. An non-limiting example of a nucleotide would be 3'-AMP (3'-adenosine monophosphate) or 5'-GMP (5'-guanosine monophosphate).

b) Primers and probes

105. It is understood that primers and probes can be produced for the actual gene (DNA) or expression product (mRNA) or intermediate expression products which are not fully processed into mRNA. Discussion of a particular gene is also a disclosure of the DNA, mRNA, and intermediate RNA products associated with that particular gene.

106. Disclosed are compositions including primers and probes, which are capable of interacting with the intrinsic genes disclosed herein, as well as the any other genes or nucleic acids discussed herein. In certain embodiments the primers are used to support DNA amplification reactions. Typically the primers will be capable of being extended in a sequence specific manner. Extension of a primer in a sequence specific manner includes any methods wherein the sequence and/or composition of the nucleic acid molecule to which the primer is

hybridized or otherwise associated directs or influences the composition or sequence of the product produced by the extension of the primer. Extension of the primer in a sequence specific manner therefore includes, but is not limited to, PCR, DNA sequencing, DNA extension, DNA polymerization, RNA transcription, or reverse transcription. Techniques and conditions that amplify the primer in a sequence specific manner are preferred. In certain embodiments the primers are used for the DNA amplification reactions, such as PCR or direct sequencing. It is understood that in certain embodiments the primers can also be extended using non-enzymatic techniques, where for example, the nucleotides or oligonucleotides used to extend the primer are modified such that they will chemically react to extend the primer in a sequence specific manner. Typically the disclosed primers hybridize with the disclosed genes or regions of the disclosed genes or they hybridize with the complement of the disclosed genes or complement of a region of the disclosed genes.

107. The size of the primers or probes for interaction with the disclosed genes in certain embodiments can be any size that supports the desired enzymatic manipulation of the primer, such as DNA amplification or the simple hybridization of the probe or primer. A typical disclosed primer or probe would be at least 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, 350, 375, 400, 425, 450, 475, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1250, 1500, 1750, 2000, 2250, 2500, 2750, 3000, 3500, or 4000 nucleotides long.

108. In other embodiments the disclosed primers or probes can be less than or equal to 6, 7, 8, 9, 10, 11, 12 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, 350, 375, 400, 425, 450, 475, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1250, 1500, 1750, 2000, 2250, 2500, 2750, 3000, 3500, or 4000 nucleotides long.

109. The primers for the disclosed genes in certain embodiments can be used to produce an amplified DNA product that contains the desired region of the disclosed genes. In general, typically the size of the product will be such that the size can be accurately determined to within 10, 5, 4, 3, or 2 or 1 nucleotides.

110. In certain embodiments this product is at least 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, 350, 375, 400, 425, 450, 475, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1250, 1500, 1750, 2000, 2250, 2500, 2750, 3000, 3500, or 4000 nucleotides long.

111. In other embodiments the product is less than or equal to 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, 350, 375, 400, 425, 450, 475, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1250, 1500, 1750, 2000, 2250, 2500, 2750, 3000, 3500, or 4000 nucleotides long.

112. In certain embodiments the primers and probes are designed such that they are targeting as specific region in one of the genes disclosed herein. It is understood that primers and probes having an interaction with any region of any gene disclosed herein are contemplated. In other words, primers and probes of any size disclosed herein can be used to target any region specifically defined by the genes disclosed herein. Thus, primers and probes of any size can begin hybridizing with nucleotide 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, or any specific nucleotide of the genes or gene expression products disclosed herein. Furthermore, it is understood that the primers and probes can be of a contiguous nature meaning that they have continuous base pairing with the target nucleic acid for which they are complementary. However, also disclosed are primers and probes which are not contiguous with their target complementary sequence. Disclosed are primers and probes which have at least 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 25, 30, 35, 40, 50, 75, 100, 150, 200, 500, or more bases which are not contiguous across the length of the primer or probe. Also disclosed are primers and probes which have less than or equal to 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 25, 30, 35, 40, 50, 75, 100, 150, 200, 500, or more bases which are not contiguous across the length of the primer or probe.

113. In certain embodiments the primers or probes are designed such that they are able to hybridize specifically with a target nucleic acid. Specific hybridization refers to the ability to bind a particular nucleic acid or set of nucleic acids preferentially over other nucleic acids. The level of specific hybridization of a particular probe or primer with a target nucleic acid can

be affected by salt conditions, buffer conditions, temperature, length of time of hybridization, wash conditions, and visualization conditions. By increasing the specificity of hybridization means decreasing the number of nucleic acids that a given primer or probe hybridizes to typically under a given set of conditions. For example, at 20 degrees Celsius under a given set of conditions a given probe may hybridize with 10 nucleic acids in a sample. However, at 40 degrees Celsius with all other conditions being equal, the same probe may only hybridize with 2 nucleic acids in the same sample. This would be considered an increase in specificity of hybridization. A decrease in specificity of hybridization means an increase in the number of nucleic acids that a given primer or probe hybridizes to typically under a given set of conditions. For example, at 700 mM NaCl under a given set of conditions a particular probe or primer may hybridize with 2 nucleic acids in a sample, however when the salt concentration is increased to 1 Molar NaCl the primer or probe may hybridize with 6 nucleic acids in the same sample.

114. The salt can be any salt such as those made from the alkali metals: Lithium, Sodium, Potassium, Rubidium, Cesium, or Francium or the alkaline earth metals: Beryllium, Magnesium, Calcium, Strontium, Barium, or Radiumsodium, or the transition metals: Scandium, Titanium, Vanadium, Chromium, Manganese, Iron, Cobalt, Nickel, Copper, Zinc, Yttrium, Zirconium, Niobium, Molybdenum, Technetium, Ruthenium, Rhodium, Palladium, Silver, Cadmium, Hafnium, Tantalum, Tungsten, Rhenium, Osmium, Iridium, Platinum, Gold, Mercury, Rutherfordium, Dubnium, Seaborgium, Bohrium, Hassium, Meitnerium, Ununnilium, Unununium or Ununbium at any molar strength to promoter the desired condition, such as 1, 0.7, .5, 0.3, 0.2, 0.1, 0.05, or 0.02 molar salt. In general increasing salt concentration decreases the specificity of a given probe or primer for a given target nucleic acid and decreasing the salt concentration increases the specificity of a given probe or primer for a given target nucleic acid.

115. The buffer conditions can be any buffer such as TRIS at any pH, such as 5.0, 5.5, 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.5, or 9.0. In general pHs above or below 7.0 increase the specificity of hybridization.

116. The temperature of hybridization can be any temperature. For example, the temperature of hybridization can occur at 20°, 21°, 22°, 23°, 24°, 25°, 26°, 27°, 28°, 29°, 31°, 32°, 33°, 34°, 35°, 36°, 37°, 38°, 39°, 40°, 41°, 42°, 43°, 44°, 45°, 46°, 47°, 48°, 49°, 50°, 51°, 52°, 53°, 54°, 55°, 56°, 57°, 58°, 59°, 60°, 61°, 62°, 63°, 64°, 65°, 66°, 67°, 68°, 69°, 70°, 81°,

82°, 83°, 84°, 85°, 86°, 87°, 88°, 89°, 90°, 91°, 92°, 93°, 94°, 95°, 96°, 97°, 98°, or 99° Celsius.

117. The length of time of hybridization can be for any time. For example, the length of time can be for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 120, 150, 180, 210, 240, 270, 300, 360, minutes or 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 30, 36, 48 or more hours.

118. It is understood that any wash conditions can be used including no wash step. Generally the wash conditions occur by a change in one or more of the other conditions designed to require more specific binding, by for example increasing temperature or decreasing the salt or changing the length of time of hybridization.

119. It is understood that there are a variety of visualization conditions which have different levels of detection capabilities. In general any type of visualization or detection system can be used. For example, radiolabeling or fluorescence labeling can be used and in general fluorescence labeling would be more sensitive, meaning a fewer number of absolute molecules would have to be present to be detected.

120.

c) Sequences

121. There are a variety of sequences related to the intrinsic genes as well as the others disclosed herein and others are herein incorporated by reference in their entireties as well as for individual subsequences contained therein. A specific intrinsic gene set can be found in Table 12.

4. Kits

122. Disclosed are kits comprising nucleic acids which can be used in the methods disclosed herein and, for example, buffers, salts, and other components to be used in the methods disclosed herein. Disclosed are kits for identifying minimal intrinsic gene sets comprising nucleic acids, such as in a microarray. Also disclosed are specific minimal intrinsic genes used for classifying cancer, such as those found in Table 21. As described above, these intrinsic genes can be used in any combination or permutation, and any combination of permutation of these genes can be used in a kit. Also disclosed are kits comprising instructions.

5. Chips and micro arrays

123. Disclosed are chips where at least one address is the sequences or part of the sequences set forth in any of the nucleic acid sequences disclosed herein.

124. Also disclosed are chips where at least one address is a variant of the sequences or part of the sequences set forth in any of the nucleic acid sequences disclosed herein.

6. Computer readable mediums

125. Those of skill in the art understand how to display and express any nucleic acid or protein sequence in any of the variety of ways that exist, each of which is considered herein disclosed. Specifically contemplated herein is the display of these sequences on computer readable mediums, such as, commercially available floppy disks, tapes, chips, hard drives, compact disks, and video disks, or other computer readable mediums. Also disclosed are the binary code representations of the disclosed sequences. Those of skill in the art understand what computer readable mediums. Thus, computer readable mediums on which the nucleic acids or protein sequences are recorded, stored, or saved.

126. Disclosed are computer readable mediums comprising the sequences and information regarding the sequences set forth herein.

D. Methods of making the compositions

127. The compositions disclosed herein and the compositions necessary to perform the disclosed methods can be made using any method known to those of skill in the art for that particular reagent or compound unless otherwise specifically noted.

1. Nucleic acid synthesis

128. For example, the nucleic acids, such as, the oligonucleotides to be used as primers can be made using standard chemical synthesis methods or can be produced using enzymatic methods or any other known method. Such methods can range from standard enzymatic digestion followed by nucleotide fragment isolation (see for example, Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual*, 2nd Edition (Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y., 1989) Chapters 5, 6) to purely synthetic methods, for example, by the cyanoethyl phosphoramidite method using a Milligen or Beckman System 1Plus DNA synthesizer (for example, Model 8700 automated synthesizer of Milligen-Biosearch, Burlington, MA or ABI Model 380B). Synthetic methods useful for making oligonucleotides are also described by Ikuta *et al.*, *Ann. Rev. Biochem.* **53**:323-356 (1984), (phosphotriester and phosphite-triester methods), and Narang *et al.*, *Methods Enzymol.*, 65:610-620 (1980),

(phosphotriester method). Protein nucleic acid molecules can be made using known methods such as those described by Nielsen *et al.*, *Bioconjug. Chem.* **5**:3-7 (1994).

E. Methods of using the compositions

1. Methods of using the compositions as research tools

129. The disclosed compositions can be used in a variety of ways as research tools. The compositions can be used for example as targets in combinatorial chemistry protocols or other screening protocols to isolate molecules that possess desired functional properties related to the disclosed genes.

130. The disclosed compositions can also be used diagnostic tools related to diseases, such as cancers, such as those listed herein.

131. The disclosed compositions can be used as discussed herein as either reagents in micro arrays or as reagents to probe or analyze existing microarrays. The disclosed compositions can be used in any known method for isolating or identifying single nucleotide polymorphisms. The compositions can also be used in any method for determining allelic analysis of for example, the genes disclosed herein. The compositions can also be used in any known method of screening assays, related to chip/micro arrays. The compositions can also be used in any known way of using the computer readable embodiments of the disclosed compositions, for example, to study relatedness or to perform molecular modeling analysis related to the disclosed compositions.

132. Throughout this application, various publications are referenced. The disclosures of these publications in their entireties are hereby incorporated by reference into this application in order to more fully describe the state of the art to which this pertains. The references disclosed are also individually and specifically incorporated by reference herein for the material contained in them that is discussed in the sentence in which the reference is relied upon.

F. Examples

133. The following examples are put forth so as to provide those of ordinary skill in the art with a complete disclosure and description of how the compounds, compositions, articles, devices and/or methods claimed herein are made and evaluated, and are intended to be purely exemplary and are not intended to limit the disclosure. Efforts have been made to ensure accuracy with respect to numbers (e.g., amounts, temperature, etc.), but some errors and deviations should be accounted for. Unless indicated otherwise, parts are parts by weight, temperature is in °C or is at ambient temperature, and pressure is at or near atmospheric.

1. Example 1: Biological Classification of Breast Cancer by Real-Time Quantitative RT-PCR: Comparisons to Microarray and Histopathology

a) Methods

134. *Patient selection.* An ethnically diverse cohort of patients were studied using samples collected from various locations throughout the United States. Tissues analyzed included 117 invasive breast cancers, 1 fibroadenoma, 5 "normal" samples (from reduction mammoplasty), and 3 cells lines. Patients were heterogeneously treated in accordance with the standard of care dictated by their disease stage, ER and HER2 status. Patients were censored for recurrence and/or death for up to 118 months (median 21.5 months). Clinical data presented in supplementary Table 7.

135. *Sample preparation and first strand synthesis for qRT-PCR.* Nucleic acids were extracted from fresh frozen tissue using RNeasy Midi Kit (Qiagen Inc., Valencia, CA). The quality of RNA was assessed using the Agilent 2100 Bioanalyzer with the RNA 6000 Nano LabChip Kit (Agilent Technologies, Palo Alto, CA). All samples used had discernable 18S and 28S ribosomal peaks. First strand cDNA was synthesized from approximately 1.5 mg total RNA using 500 ng Oligo(dT)12-18 and Superscript III reverse transcriptase (1st Strand Kit, Invitrogen, Carlsbad, CA). The reaction was held at 42°C for 50 min followed by a 15-min step at 70°C. The cDNA was washed on a QIAquick PCR purification column and stored at –80°C in TE' (25 mM Tris, 1 mM EDTA) at a concentration of 5 ng/ul (concentration estimated from the starting RNA concentration used in the reverse transcription).

136. *Primer design.* Genbank sequences were downloaded from Evidence viewer (NCBI website) into the Lightcycler Probe Design Software (Roche Applied Science, Indianapolis, IN). All primer sets were designed to have a Tm » 60°C, GC content » 50% and to generate a PCR amplicon <200 bps. Finally, BLAT and BLAST searches were performed on primer pair sequences using the UCSC Genome Bioinformatics (http://genome.ucsc.edu/) and NCBI (http://www.ncbi.nlm.nih.gov/BLAST/) to check for uniqueness. Primer sets and identifiers are provided in supplementary Table 8.

137. *Real-time PCR.* For PCR, each 20 μL reaction included 1X PCR buffer with 3 mM MgCl2 (Idaho Technology Inc., Salt Lake City, UT), 0.2 mM each of dATP, dCTP, and dGTP, 0.1 mM dTTP, 0.3 mM dUTP (Roche, Indianapolis, IN), 10 ng cDNA and 1U Platinum Taq (Invitrogen, Carlsbad, CA). The dsDNA dye SYBR Green I (Molecular Probes, Eugene, OR) was used for all quantification (1/50000 final). PCR amplifications were performed on the Lightcycler (Roche, Indianapolis, IN) using an initial denaturation step (94 °C, 90 sec)

followed by 50 cycles: denaturation (94°C, 3 sec), annealing (58°C, 5 sec with 20°C/s transition), and extension (72°C, 6 sec with 2° C/sec transition). Fluorescence (530 nm) from the dsDNA dye SYBR Green I was acquired each cycle after the extension step. Specificity of PCR was determined by post-amplification melting curve analysis. Reactions were automatically cooled to 60°C at a rate of 3°C/s and slowly heated at 0.1°C/s to 95°C while continuously monitoring fluorescence.

138. *Relative quantification by RT-PCR.* Quantification was performed using the LightCycler 4.0 software. The crossing threshold (Ct) for each reaction was determined using the 2nd derivative maximum method (Wittwer et al. (2004) Washington, DC: ASM Press; Rasmussen (2001) Heidelberg: Springer Verlag. 21-34). Relative copy number was calculated using an external calibration curve to correct for PCR efficiency and a within run calibrator to correct for the variability between run. The calibrator is made from 4 equal parts of RNA from 3 cell lines (MCF7, SKBR3, ME16C) and Universal Human Reference RNA (Stratagene, La Jolla, CA, Cat #740000). Differences in cDNA input were corrected by dividing target copy number by the arithmetic mean of the copy number for 3 housekeeper genes (MRPL19, PSMC4, and PUM1) (Szabo et al. (2004) Genome Biol 5:R59). The normalized relative gene copy number was log2 transformed and analyzed by hierarchical clustering using Cluster (Eisen et al. (1998) Proc Natl Acad Sci U S A 95:14863-14868). The clustering was visualized using Treeview software (Eisen Lab, http:/rana.lbl.gov/EisenSoftware.htm).

139. *Microarray experiments.* The same 126 samples used for qRT-PCR were analyzed by microarray (Agilent Human oligonucleotide). Total RNA was prepared and quality checked as described above. Labeling and hybridization of RNA for microarray was done using the Agilent low RNA input linear amplification kit (http://www.chem.agilent.com/Scripts/PDS.asp?lPage=10003), but with one-half the recommended reagent volumes and using a Qiagen PCR purification kit to clean up the cRNA. Each sample was assayed versus a common reference sample that was a mixture of Stratagene's Human Universal Reference total RNA (100ug) enriched with equal amounts of RNA (0.3 μg each) from MCF7 and ME16C cell lines. Microarray hybridizations were carried out on Agilent Human oligonucleotide microarrays (1A-v1, 1A-v2 and custom designed 1A-v1 based microarrays) using 2 μg each of Cy3-labeled "reference" and Cy5-labeled "experimental" sample. Hybridizations were done using the Agilent hybridization kit and a Robbins Scientific "22k chamber" hybridization oven. The arrays were incubated overnight and then washed once in 2X SSC and 0.0005% triton X-102 (10 min), twice in 0.1XSSC (5

min), and then immersed into Agilent Stabilization and Drying solution for 20 seconds. All microarrays were scanned using an Axon Scanner 4000A. The image files were analyzed with GenePix Pro 4.1 and loaded into the UNC Microarray Database at the University of North Carolina at Chapel Hill (https://genome.unc.edu/) where a lowess normalization procedure was performed to adjust the Cy3 and Cy5 channels (Yang et al. (2002) Nucleic Acids Res 30:e15). All primary microarray data associated with this study are available at the UNC Microarray Database and have been deposited into the GEO (http://www.ncbi.nlm.nih.gov/geo/) under the accession number of GSE1992, series GSM34424-GSM34568.

140. Selecting genes for real-time qRT-PCR. A new "intrinsic" gene set for classifying breast tumors was derived using 45 before and after therapy samples from the combined data sets presented in Sorlie et al. (see Table 9 for the list of 45 pairs). The two-color DNA microarray data sets were downloaded from the internet and the R/G ratio (experimental/reference) for each spot was normalized and log2 transformed. Missing values were imputed using the k-NN imputation algorithm described by Troyanskaya et al. (Troyanskaya et al. (2001) Bioinformatics 17:520-525). The "intrinsic" analysis identified 550 gene elements.

141. Next, a completely independent data set was utilized (van't Veer et al. 2002) to derive an optimized version of the 550 intrinsic gene list. To allow across data set analyses, gene annotation from each dataset was translated to UniGene Cluster IDs (UCID) using the SOURCE database (Diehn et al. (2003) Nucleic Acids Res 31:219-223). Following the alogorithm outlined by Tibshirani and colleagues (Bair et al. (2004) PLoS Biol 2:E108; Bullinger et al. (2004) N Engl J Med 350:1605-1616), the 97 samples from the van't Veer et al. 2002 study were hierarchical clustered using a common set of 350 genes, and assigned an "intrinsic subtype of either Luminal, HER2+/ER-, Basal-like, or Normal-like to each sample. A feature/gene selection was then performed to identify genes that optimally distinguished these 4 classes using a version of the gene selection method first described by Dudoit et al. (Genome Biol 3:RESEARCH0036), where the best class distinguishers are identified according to the ratio of between-group to within-group sums of squares (a type of ANOVA). In addition to statistically selecting "intrinsic" classifiers proliferation genes (e.g., TOP2A, KI-67, PCNA) were also chosen, and other important prognostic markers (e.g., PgR) that have potential for diagnostics. In total, 53 differentially expressed biomarkers were used in the real-time qRT-PCR assay (Table 8).

142. Combining microarray and qRT-PCR datasets. Distance Weighted Discrimination (DWD) was used to identify and correct systematic biases across the microarray and qRT-PCR datasets (Benito et al. (2004) Bioinformatics 20:105-114). Prior to DWD, each dataset was normalized by setting the mean to zero and the variance to one. Normalization was done within each microarray experiment and for genes profiled across many experimental runs for real-time qRT-PCR. After DWD, genes in common between the datasets were clustered using Spearman correlation and average linkage association.

143. Receiver operator curves. In order to determine agreement between protein expression (immunohistochemistry) and gene expression (qRT-PCR), a cut-off for relative gene copy number was selected by minimizing the sum of the observed false positive and false negative errors. That is, minimizing the estimated overall error rate under equal priors for the presence/absence of the protein. The sensitivity and specificity of the resulting classification rule were estimated via bootstrap adjustment for optimism (Efron et al. (1998) CRC Press LLC. p 247 pp).

144. Survival analyses. Survival curves were estimated by the Kaplan-Meier method and compared via a log-rank or stratified log-rank test as appropriate. Standard clinical pathological parameters of age (in years), node status (positive vs. negative), tumor size (cm, as a continuous variable), grade (1-3, as a continuous covariate), and ER status (positive vs. negative) were tested for differences in RFS and OS using Cox proportional hazards regression model. Pairwise log-rank tests were used to test for equality of the hazard functions among the intrinsic classes. Only the classes Luminal, HER2+/ER-, and Basal-like classes were included in the analyses because it was believed the Normal Breast-like subtype is not a pure tumor class and may result from normal breast contamination. Cox regression was used to determine predictors of survival from continuous expression data. All statistical analyses were performed using the R statistical software package (R Foundation for Statistical Computing).

b) Results

145. Recapitulating microarray breast cancer classifications by qRT-PCR. 126 different breast tissue samples (117 invasive, 5 normal, 1 fibroadenoma, and 3 cell lines) were expression profiled using a real-time qRT-PCR assay comprised of 53 biological classifiers and 3 control/housekeepers genes. Genes were statistically selected to optimally identify the 4 main breast tumor intrinsic subtypes, and to create an objective gene expression predictor for cell proliferation and outcome (Ross et al. (2000) Nat Genet 24:227-235).

146. There were 402 genes in common between this microarray dataset and the 550 "intrinsic" genes selected from the Sorlie et al. 2003 study. Two-way hierarchical clustering of the 402 genes in the microarray gave the same tumor subtypes as the minimal 37 "intrinsic" genes assayed by qRT-PCR (Figure 4). The samples were grouped into Luminal, HER2+/ER-, Normal-like, and Basal-like subtypes. Out of 123 breast samples compared across the platforms, 114 (93%) were classified the same. The minimal "intrinsic" gene set identified expression signatures within the 3 different cell lines that were characteristic of each tumor subtype: Luminal (MCF7), HER2+/ER- (SKBR3), and Basal-like (ME16C). The genes EGFR and PgR, which were added for their predictive and prognostic value in breast cancer Nielsen et al. (2004) Clin Cancer Res 10:5367-5374; Makretsov et al. (2004) Clin Cancer Res 10:6143-6151), had opposite expression and were found to associate with either ER-positive tumors (high expression of PgR) or ER-negative tumors (high expression of EGFR) (Fig. 4C).

147. *Proliferation and grade.* Expression of the 14 "proliferation" genes (Fig. 4D) assayed by qRT-PCR showed that Luminal tumors have relatively low replication activity compared to HER2+/ER- and Basal-like tumors. As expected, the Normal-like samples showed the lowest expression of the "proliferation" genes. When correlating (Spearman correlation) the gene expression of all 53 genes with grade, it was found that the top 3 proliferation genes with a positive correlation (i.e., high expression correlates with high grade) were the proliferation genes CENPF (p=2.00E-07), BUB1 (p=6.84E-07), and STK6 (p=2.67E-06) (see supplementary Table 10). Interestingly, all the proliferation genes, except PCNA, were at the top of the list for having a positive correlation to grade. Conversely, the top markers with significant negative correlations with grade (i.e., low expression correlates with high grade) were GATA3 (p=3.53E-07), XBP1 (p=9.64E-06), and ESR1 (p=4.53E-05).

148. *Agreement between immunohistochemistry, qRT-PCR "intrinsic" classifications, and gene expression.* Fifty out of fifty-five (91%) Luminal tumors with IHC data were scored positive for ER. Conversely, 50 out of 56 (89%) tumors classified as HER2+/ER- or Basal-like were negative for ER by IHC. Cluster analysis showed that the Luminal tumors co-express ER and estrogen responsive genes such as LIV1/SLC39A6, X-box binding protein 1 (XBP1), and hepatocyte nuclear factor 3a (HNF3A/FOXA1). The gene with the highest correlation in expression to ESR1 was GATA3 (0.79, 95% CI: 0.71 - 0.85). It was found that the gene expression of ESR1 alone had 88% sensitivity and 85% specificity for calling ER status by IHC, and GATA3 alone showed 79% sensitivity and 88% specificity (Figure 5A). In addition, gene expression of PgR correlated well with PR IHC status (sensitivity=89%,

specificity=82%)(Fig 5B). The data showed a very high correlation in expression between HER2/ERBB2 and GRB7 (0.91, 95% CI: 0.87 - 0.94), which are physically located near one another and are commonly overexpressed and DNA amplified together (Pollack et al. (1999) Nature Genetics 23:41-46; Pollack et al. (2002) Proc Natl Acad Sci U S A 99:12963-12968). However, neither ERBB2 (sensitivity=91%, specificity=54%) nor GRB7 (sensitivity=52%, specificity=78%) gene expression had both high sensitivity and specificity for predicting HER2 status by IHC (Fig 5C).

149. *Reproducibility of qRT-PCR.* The run-to-run variation in Cp (cycle number determined from fluorescence crossing point) for all 56 genes (53 classifiers and 3 housekeepers) was determined from 8 runs. The median CV (standard deviation/mean) for all the genes was 1.15% (0.28%-6.55%) and 51/56 genes (91%) had a CV $\leq$2%. The reproducibility of the classification method is illustrated from the observation that replicates of the same sample (UB57A&B and UB60A&B), cluster directly adjacent to one another. Notably, the replicates were from separate RNA/cDNA preparations done on different pieces of the same tumor.

150. *Survival Predictors.* The clinical significance of individual markers and "intrinsic" subtypes were analyzed using qRT-PCR data. Patients with Luminal tumors showed significantly better outcomes for relapse-free survival (RFS) and overall survival (OS) compared to HER2+/ER- (RFS: p=0.023; OS: p=0.003) and Basal-like (RFS: p=0.065; OS: p=0.002) tumors (Figure 6). This difference in outcome was significant for overall survival even after adjustment for stage (HER2+/ER-: p=0.043; Basal-like: p=0.001). There was no difference in outcome between patients with HER2+/ER- and Basal-like tumors. Analysis of the same cohort using standard clinical pathological information shows that stage, tumor size, node status, and ER status were prognostic for RFS and OS.

151. Using a Cox proportional hazards model to find biomarkers from the qRT-PCR data that predict survival, it was found that high expression of the proliferation genes GTBP4 (p=0.011), HSPA14 (p=0.023), and STK6 (p=0.027) were significant predictors of RFS independent of grade and stage (Figure 7). The only proliferation gene significant for OS after correction for grade and stage was GTBP4 (p=0.011). Overall, the best predictor for both RFS (p=0.004) and OS (p=0.004) independent of grade and stage was SMA3 (Table 10).

152. *Co-clustering qRT-PCR and Microarray Data.* In order to determine if qRT-PCR and microarray data could be analyzed together in a single dataset, DWD was used to combine data for 50 genes and 126 samples profiled on both platforms (252 samples total). Hierarchical

clustering of these data show that 98% (124/126) of the paired samples classified in the same group and 83/126 (66%) clustered directly adjacent to their corresponding partner (Figure 10). Thus, DNA microarray and real-time qRT-PCR can be combined into a seamless dataset without sample segregation based on platform. Overall, the correlation between microarray and qRT-PCR expression data was 0.76 (95% CI: 0.75, 0.77) before DWD and 0.77 (95% CI: 0.76, 0.78) after DWD (Figure 5). The DWD does not significantly effect the correlation but corrects for systematic biases between the platforms.

c) Discussion

153. Gene expression analyses can identify differences in breast cancer biology that are important for prognosis. However, a major challenge in using genomics for diagnostics is finding biomarkers that can be reproducibly measured across different platforms and that provide clinically significant classifications on different patient populations. Using microarray data, 402 "intrinsic" genes were identified that classify breast cancers based on vastly different expression patterns. This "intrinsic" gene set was shown to provide the same classifications when applied to a completely new and ethnically diverse population. Furthermore, the microarray dataset can be minimized to 37 "intrinsic" genes, translated into a real-time qRT-PCR assay, and provide the same classifications as the larger gene set. Molecular classifications using the "intrinsic" qRT-PCR assay agree with standard pathology and are clinically significant for prognosis. Thus, biological classifications based on "intrinsic" genes are robust, reproducible across different platforms, and can be used for breast cancer diagnostics.

154. The greatest contribution genomic assays have made towards clinical diagnostics in breast cancer has been in identifying risk of recurrence in women with early stage disease. For instance, MammaPrint™ is a microarray assay based on the 70 gene prognosis signature originally identified by van't Veer et al. On the test set validation, the 70 gene assay found that individuals with a poor prognostic signature had approximately a 50% chance of remaining free of distant metastasis at 10 years while those with a good-prognostic signature had a 85% chance of remaining free of disease. Another assay with similar utility is Oncotype Dx (Genomic Health Inc) - a real-time qRT-PCR assay that uses 16 classifiers to assess if patients with ER positive tumors are at low, intermediate, or high risk for relapse. While recurrence can be predicted with high and low risk tumors, patients in the intermediate risk group still have variable outcomes and need to be diagnosed more accurately.

155. In general, tumors that have a low risk of early recurrence are low grade and have low expression of proliferation genes. Due to the correlation of proliferation genes with grade and their significance in predicting outcome, a group of 14 proliferation genes were assayed. While the classic proliferation markers TOP2A and MKI67 significantly correlated with grade in the cohort, they were not near the top of the list. Furthermore, PCNA did not significantly correlate with grade (p=0.11) in the cohort. This could result from PCR primer design or differences between RNA and protein stability. Nevertheless, the proliferation gene that was found had the highest correlation to grade was CENPF (mitosin); another commonly used mitotic marker that has been shown to correlate with grade and outcome in breast cancer (Clark et al. (1997) Cancer Res 57:5505-5508). Since tumor grade and the mitotic index have been shown to be important in predicting risk of relapse (Chia et al. (2004) J Clin Oncol 22:1630-1637; Manders et al. (2003) Breast Cancer Res Treat 77:77-84), it is not surprising that 4 (GTBP4, HSPA14, STK6/15, BUB1) out the top 5 predictors for RFS (independent of stage) were proliferation genes. The proliferation gene that was the best predictor of RFS was GTBP4, a GTP-binding protein implicated in chronic renal disease and shown to be upregulated after serum administration (i.e., serum response gene) (Laping et al. (2001) J Am Soc Nephrol 12:883-890). Overall, the best predictor for both RFS (p=0.004) and OS (p=0.004) independent of grade and stage was SMA3. The role of SMA3 in the pathogenesis of breast cancer is still unclear, although it has also been associated with the BCL2 anti-apoptotic pathway (Iwahashi et al. (1997) Nature 390:413-417).

2. Example 2: A New Breast Tumor Intrinsic Gene List Identifies Novel Characteristics that are Conserved Across Microarray Platforms

156. A training set of 105 tumors were used to derive a new breast tumor "intrinsic" gene list and validated it using a combined test set of 315 tumors compiled from three independent microarray studies. An unchanging Single Sample Predictor was also used, and applied to three additional test sets. The Intrinsic/UNC gene set identified a number of findings not seen in previous analyses including 1) significance in multivariate testing, 2) that the proliferation signature is an intrinsic property of tumors, 3) the high expression of many Kallikrein genes in Basal-like tumors, and 4) the expression of the Androgen Receptor within the HER2+/ER- and Luminal tumor subtypes. The Single Sample Predictor that was based upon subtype average profiles, was able to identity groups of patients within a test set of local therapy only patients, and two independent tamoxifen-treated patient sets, which showed significant differences in outcomes. The analyses demonstrates that the "intrinsic" subtypes add

value to the existing repertoire of clinical markers used for breast cancer patients. The computation approach also provides a means for quickly validating gene expression profiles using publicly available data.

157. Breast cancers represent a spectrum of diseases comprised of different tumor subtypes, each with a distinct biology and clinical behavior. Despite this heterogeneity, global analyses of primary breast tumors using microarrays have identified gene expression signatures that characterize many of the essential qualities important for biological and clinical classification. Using cDNA microarrays, five distinct subtypes of breast tumors arising from at least two distinct cell types (basal-like and luminal epithelial cells) were previously identified (Perou et al. 2000; Sorlie et al. 2001; Sorlie et al. 2003). This molecular taxonomy was based upon an "intrinsic" gene set, which was identified using a supervised analysis to select genes that showed little variance within repeated samplings of the same tumor, but which showed high variance across tumors (Perou et al. 2000). An intrinsic gene set reflects the stable biological properties of tumors and typically identifies distinct tumor subtypes that have prognostic significance, even though no knowledge of outcome was used to derive this gene set.

158. 315 breast tumor samples compiled from publicly available microarray data were generated on different microarray platforms. These analyses show for the first time, that the breast tumor intrinsic subtypes are significant predictors of outcome when correcting for standard clinical parameters, and that common patterns of expression and outcome predictions can be identified when comparing data sets generated by independent labs.

a) METHODS

159. Tissue samples, RNA preparations and microarray protocols. 105 fresh frozen breast tumor samples and 9 normal breast tissue samples were used as the training set and were obtained from 4 different sources using IRB approved protocols from each participating institution: the University of North Carolina at Chapel Hill, The University of Utah, Thomas Jefferson University and the University of Chicago. Thus, this sample set represents an ethnically diverse cohort from different geographic regions in the US with the clinical and microarray data for samples provided in Table 11. Patients were heterogeneously treated in accordance with the standard of care dictated by their disease stage, ER and HER2 status. The 105 patient training data set had a median follow up of 19.5 months, while the 315 sample combined test set had a median follow up of 74.5 months. Finally, another 16 tamoxifen-

treated patient tumor samples were included that were used for the Single Sample Predictor additional test set analysis (tamoxifen-treated set #2).

160. Total RNA was purified from each sample using the Qiagen RNeasy Kit according to the manufacturer's protocol (Qiagen, Valencia CA) and using 10-50 milligram of tissue per sample. The integrity of the RNA was determined using the RNA 6000 Nano LabChip Kit and an Agilent 2100 Bioanalyzer (Agilent Technologies, Palo Alto, CA). The total RNA labeling and hybridization protocol used is described in the Agilent low RNA input linear amplification kit (http://www.chem.agilent.com/Scripts/PDS.asp?lPage=10003) with the following modifications: 1) a Qiagen PCR purification kit was used to clean up the cRNA and 2) all reagent volumes were cut in half. Each sample was assayed versus a common reference sample that was a mixture of Stratagene's Human Universal Reference total RNA (Novoradovskaya et al. 2004) (100ug) enriched with equal amounts of RNA (0.3 μg each) from MCF7 and ME16C cell lines. Microarray hybridizations were carried out on Agilent Human oligonucleotide microarrays (1A-v1, 1A-v2 and custom designed 1A-v1 based microarrays) using 2μg of Cy3-labeled Reference and 2μg of Cy5-labeled experimental sample. Hybridizations were done using the Agilent hybridization kit and a Robbins Scientific "22k chamber" hybridization oven. The arrays were incubated overnight and then washed once in 2X SSC and 0.0005% triton X-105 (10 min), twice in 0.1XSSC (5 min), and then immersed into Agilent Stabilization and Drying solution for 20 seconds. All microarrays were scanned using an Axon Scanner GenePix 4000B. The image files were analyzed with GenePix Pro 4.1 and loaded into the UNC Microarray Database at the University of North Carolina at Chapel Hill (https://genome.unc.edu/) where a Lowess normalization procedure was performed to adjust the Cy3 and Cy5 channels(Yang et al. 2002). All primary microarray data associated with this study are available at https://genome.unc.edu/pubsup/breastTumor/ and have been deposited into the GEO (http://www.ncbi.nlm.nih.gov/geo/) under the accession number of GSE1992, series GSM34424-GSM34568.

161. Intrinsic gene set analysis. A new breast tumor intrinsic gene set was derived, called the "Intrinsic/UNC" list using 105 patients (146 total arrays) and 15 repeated tumor samples that were different physical pieces (and RNA preparations) of the same tumor, 9 tumor-metastasis pairs and 2 normal sample pairs (26 paired samples in total, Table 11). This sample size was chosen based upon Basal-like, Luminal A, Luminal B, HER2+/ER-, and Normal-like samples, which occur at a frequency of 15%, 40%, 15%, 20%, and 10%, respectively; and it was estimated that most clinically relevant classes would constitute at least

10% of the affected population, and it was hoped to acquire at least 10 samples from each class in the new data set. Therefore, a sample size of 100 tumors was deemed adequate to identify most classes that might be present in breast cancer patients.

162. The background subtracted, Lowess normalized log2 ratio of Cy5 over Cy3 intensity values were first filtered to select genes that had a signal intensity of at least 30 units above background in both the Cy5 and Cy3 channels. Only genes that met these criteria in at least 70% of the 146 microarrays were included for subsequent analysis. Next, an "intrinsic" analysis was performed as described in Sorlie et al. 2003 (Sorlie et al. 2003) using the 26 paired samples and 86 additional microarrays. An intrinsic analysis identifies genes that have low variability in expression within paired samples and high variability in expression across different tumors; for an intrinsic analysis, each gene receives a score that is the average "within-pair variance" (the average square before/after difference), as well as the "between-subject variance" (the variance of the pair averages across subjects). The ratio D=(within-pair variance)/(between-subject variance) was then computed, and those genes with a small value of D (i.e. cut-off) declared to be "intrinsic". The choice of a value of D was set at one standard deviation below the mean intrinsic score of all genes. This analysis resulted in the selection of 1410 microarray elements representing 1300 genes. In order to obtain an estimate of the number of false-positive intrinsic genes, the sample labels were permuted to generate 26 random pairs and 86 non-paired samples. This permutation was performed 100 times and the intrinsic scores were calculated for each. These permuted scores were used to determine a threshold on the intrinsic score corresponding to a false discovery rate less than 1%. The selected threshold resulted in 1410 microarray features being called significant with a FDR=0.3% and the 90th percentile FDR=0.5%. (See Tusher et al. for a complete description of this calculation (Tusher et al. 2001)).

163. These 1410 microarray elements were then used to perform a two-way average linkage hierarchical cluster analysis using a centered Pearson correlation metric and the program "Cluster" (Eisen et al. 1998), with the data being displayed relative to the median expression for each gene (i.e. median centering of the rows/genes). The cluster results were then visualized using "Treeview".

164. Combined test set analysis. The two-color DNA microarray data sets of Sorlie et al. 2001 and 2003 van't Veer et al. and Sotiriou et al. (Sotiriou et al. 2003) were each downloaded from the internet and pre-processed similarly. Briefly, pre-processing included log2 transformation of the R/G ratio and then Lowess normalization of the data set (Yang et al.

2002). Next, missing values were imputed using the k-NN imputation algorithm described by Troyanskaya et al. (Troyanskaya et al. 2001). Gene annotation from each dataset was translated to UniGene Cluster IDs (UCID) using the SOURCE database (Diehn et al. 2003), which gave a common gene set of approximately 2800 genes that were present across all four data sets. UniGene was chosen because a majority of the identifiers from each dataset could be easily mapped to a UniGene identifier (Build 161). Multiple occurrences of a UCID were collapsed by taking the median value for that ID within each experiment and platform. Next, Distance Weighted Discrimination was performed in a pair-wise fashion by first combining the Sorlie et al. data set with the Sotiriou et al. data set, and then combining this with the van't Veer et al. data to make a single data set. In the final step of pre-processing, each individual experiment (microarray) was normalized by setting the mean to zero and its variance to one. The data for 306 of the 1300 Intrinsic/UNC genes was present in the combined test set and was used in a two-way average linkage hierarchical cluster analysis across the set of 315 microarrays as described above.

165. Single Sample Predictor. The Single Sample Predictor/SSP is based upon the Nearest Centroid method presented in (Hastie et al. 2001). More specifically, the combined test set was utilized, and 306 Intrinsic/UNC gene set hierarchical cluster presented in Figure 14, as the starting point to create five Subtype Mean Centroids. A mean vector (centroid) for each of the five intrinsic subtypes (LumA, LumB, HER2+/ER-, Basal-like and Normal Breast-like) was created by averaging the gene expression profiles for the samples clearly assigned to each group (which limited the analysis to 249 samples total); the hierarchical clustering dendrogram in Figure 14 were used as a guide for deciding those samples to group together. Next, using the 249 samples and 306 genes as a new training set (see Figure 11), the SSP was applied back onto this data set (only the 249 samples) using Spearman correlation (which will calculate a training set error rate) and assigned a sample to the subtype to which it was most similar. This analysis showed 92% concordance with the clustering based subtype assignments.

166. Three additional test data sets were then analyzed: First the 60 sample data set of Ma et al. (Ma et al. 2004) was taken, which is an already pre-processed data set of log2 transformed ratios (GEO GSE1379), and performed a DWD correction using the 278 genes that were in common between the Ma et al. data set and the set of 306 Intrinsic/UNC genes used in the SSP. The SSP was applied to the 60 Ma et al. samples and, using Spearman correlation, each of the 60 samples were assigned to an intrinsic subtype based upon the highest correlation value to a centroid. Next, 220 samples from Chang et al.(Chang et al. 2005)

were analyzed and 16 additional samples from UNC that were not used in the training set. The 220 samples represent an extension of the sample set presented in van't Veer et al.(van 't Veer et al. 2002), and the combination of these two are the data used in van de Vijver et al.(van de Vijver et al. 2002). Each sample was column-standardized and then performed DWD to combine the 249 SSP samples (306 intrinsic genes) with the 220 samples from Chang et al. and the 16 UNC additional test set samples. Next, each sample's correlation to each centroid was calculated using a Spearman correlation and a sample was assigned to the centroid it was closest to, and the test set was then split into a local only therapy test set, and a tamoxifen-treated test set. Finally, the SSP was applied to the 105 sample original training set after DWD normalization.

167. Survival analyses. Univariate Kaplan-Meier analysis using a log-rank test was performed using WinSTAT for excel (R. Fitch Software). Standard clinical pathological parameters of age (in decades), node status (positive vs. negative), tumor size (categorical variable of T1-T4), grade (I vs. II and I vs. III), and ER status (positive vs. negative) were tested for differences in RFS, OS and DSS using a proportional hazards regression model. The likelihood ratio test was used to test for equality of the hazard functions among the intrinsic classes after adjusting for the covariates listed above. For the intrinsic subtype analyses, the coding was such that LumA was the reference group to which the other classes were compared. SAS (SAS Institute Inc., SAS/STAT User's Guide, Version 8, 1999, Cary, NC) was used for proportional hazards modeling.

168. Immunohistochemistry. Five micron sections from formalin-fixed, paraffin-embedded tumors were cut and mounted onto Probe On Plus slides (Fisher Scientific). Following deparaffinization in xylene, slides were rehydrated through a graded series of alcohol and placed in running water. Endogenous peroxidase activity was blocked with 3% hydrogen peroxidase and methanol. Samples were steamed for antigen retrieval with 10 mM citrate buffer (pH 6.0) for 30 min. Following protein block, slides were incubated with biotinylated antibody for the Androgen Receptor (Zymed, 08-1292) and incubated with streptavidin conjugated HRP using Vectastain ABC kit protocol (Vector Laboratories). 3,3'-diaminobenzidine tetrahydrochloride (DAB) chromogen (the substrate) was used for the visualization of the antibody/enzyme complex. Slides were counterstained with hematoxylin (Biomeda-M10) and examined by light microscopy.

b) RESULTS

169. Overview. The goals were to create a new breast tumor intrinsic list and validate this list using multiple test data sets so that new biology could be identified, and the clinical significance of "intrinsic" classifications shown. A new intrinsic list was created using paired samples that were similarly treated (note that these were different "intrinsic" pairs than previously used since they were not before and after therapy pairs). In deriving the "new" list microarrays containing many more thousands of genes than was used before were used. A diagram representing the flow of data sets used here, and the different analysis methods, is presented in Figure 11. First, a new 1300 gene "Intrinsic/UNC" list was created using 26 paired samples and a "training set" of 105 patients. Second, a large "combined test set" of 315 samples was created by combining three publicly available data sets. A reduced version of the Intrinsic/UNC gene set (reduced to an overlapping set of 306 genes) was applied onto this pure test set and show significance in a multivariate analysis. Finally, using the "combined test set", a Single Sample Predictor (SSP) was created from the subtype average profiles (i.e. centroids) and assign subtype designation onto three "additional test sets". Thus, the "combined test set" becomes the training set for the SSP, which is then used to predict subtype, and ultimately outcome, on the "additional test sets".

170. Identification of the Intrinsic/UNC gene set. A new breast tumor intrinsic gene set was created, called the "Intrinsic/UNC" list, using 26 paired samples comprised of 15 paired primary tumors that were different physical pieces (and RNA preparations) of the same tumor, 9 primary tumor-metastasis pairs, and 2 normal breast sample pairs. In total, 105 biologically diverse breast tumor specimens and 9 normal breast samples (146 microarrays, see Table 11) were assayed on Agilent oligo DNA microarrays representing 17,000 genes (GEO accession number GSE1992). This intrinsic analysis identified 1410 microarray elements that represented 1300 genes. When this new gene list was used in a two-way hierarchical clustering analysis on the training set (Figure 12), the experimental sample dendrogram (Figure 12B) showed four groups corresponding to the previously defined HER2+/ER-, Basal-like, Luminal and Normal Breast-like groups (Perou et al. 2000). All 26 tumor pairs were paired in this clustering analysis, including the 5 primary tumor-local metastasis pairs and the 4 distant metastasis pairs (Figure 12); thus, the individual portraits of tumors are maintained even in their metastasis samples (Weigelt et al. 2003).

171. The biology of the intrinsic subtypes is rich and extensive, and the current analysis identified new biologically important features. A HER2+ expression cluster was

observed that contained genes from the 17q11 amplicon including HER2/ERBB2 and GRB7 (Figure 12D). The HER2+ expression subtype (pink dendrogram branch in Figure 12B) was predominantly ER-negative (i.e. HER2+/ER-), but showed expression of the Androgen Receptor (AR) gene. To determine if this finding extended to the protein level, immunohistochemistry for AR was performed, and it was confirmed that the HER2+/ER- and many Luminal tumors, expressed AR at moderate to high levels (Figure 13); in some cases, high nuclear expression was observed (Figure 13B).

172. A Basal-like expression cluster was also present and contained genes characteristic of basal epithelial cells such as SOX9, CK17, c-KIT, FOXC1 and P-Cadherin (Figure 13E). These analyses extend the Basal-like expression profile to contain four Kallikrein genes (KLK5-8), which are a family of serine proteases that have diverse functions and proven utility as biomarkers (e.g. KLK3/PSA); however, it should be noted that KLK3/PSA was not part of the basal profile. Finally, a Luminal/ER+ cluster was present and contained ER, XBP1, FOXA1 and GATA3 (Figure 12C). GATA3 has recently been shown to be somatically mutated in some ER+ breast tumors (Usary et al. 2004), and some of the genes in Figure 12C are GATA3-regulated (FOXA1, TFF3 and AGR2). In addition, the Luminal/ER+ cluster contained many new biologically relevant genes such as AR (Figure 12C), FBP1 (a key enzyme in gluconeogenesis pathway) and BCMP11.

173. The subtype defining genes from this analysis showed similarity to the previous breast tumor intrinsic lists (i.e. Intrinsic/Stanford) described in (Perou et al. 2000; Sorlie et al. 2003), except there was a significant increase in gene numbers likely due to the increased number of genes present on the current microarrays, and another significant difference was that the new Intrinsic/UNC list contained a large proliferation signature (Figure 12F) (Perou et al. 1999; Chung et al. 2002; Whitfield et al. 2002). The inclusion of proliferation genes in the Intrinsic/UNC gene set, but not in the previous Intrinsic/Stanford lists, is likely due to the fact that the Intrinsic/Stanford lists were based upon before and after chemotherapy paired samples of the same tumor, while the Intrinsic/UNC list was based upon identically treated paired samples. This finding suggests that tumor cell proliferation rates did vary before and after chemotherapy, and that proliferation is a reproducible feature of a tumor's expression profile. Thus, the new Intrinsic/UNC list likely encompasses most features of the previous lists, adds new genes to each subtype's defining gene set and adds a biological and clinically relevant feature that is the proliferation signature.

174. Combined test set analysis. Another difference between the intrinsic subtypes found in the 105 sample training data set versus those presented in Sorlie et al. 2001 and 2003 (Sorlie et al. 2001; Sorlie et al. 2003), was that the training set did not have a clear Luminal B (LumB) group as determined by hierarchical clustering analysis. The lack of a LumB group in the training set cluster analysis could be due to few LumB tumors being present in this data set, an artifact of the clustering analysis, or the lack of LumB defining genes in the Intrinsic/UNC gene list. To address this question, a "combined test set" of 315 breast samples was made (311 tumors and 4 normal breast samples) that was a single data set created by combining together the data from Sorlie et al. 2001 and 2003 (cDNA microarrays), van't Veer et al. 2002 (custom Agilent oligo microarrays) and Sotiriou et al. 2003 (cDNA microarrays).

175. A single data table of these three sets was created by first identifying the common genes present across all four microarray data sets (2800 genes). Next, Distance Weighted Discrimination (DWD) was used to combine these three data sets together (Benito et al. 2004); DWD is a multivariate analysis tool that is able to identify systematic biases present in separate data sets and then make a global adjustment to compensate for these biases. Finally, it was determined that 306 of the 1300 unique Intrinsic/UNC genes were present in the combined test set. Figure 14 shows the 315 sample combined test set and the 306 Intrinsic/UNC genes in a two-way hierarchical cluster analysis (see Supplementary Figure 12 for the complete cluster diagram). As expected, this analysis identified the same expression patterns seen in Figure 12 and more. For example, there was a Luminal/ER+ cluster containing ER, GATA3 and GATA3-regulated genes (Figure 14C), a HER2+ cluster (Figure 15D), a Basal-like cluster (Figure 14F) and a prominent proliferation signature (Figure 14). The sample-associated dendrogram (Figure 14B) showed the major subtypes seen in Sorlie et al. 2003 including a LumB group, and a potential new tumor group (Luminal I) characterized by the high expression of Interferon (IFN)-regulated genes (Figure 14E). The IFN-regulated cluster contained STAT1, which is likely the transcription factor that regulates expression of these IFN-regulated genes (Bromberg et al. 1996; Matikainen et al. 1999). The IFN cluster was one of the first expression patterns to be identified in breast tumors (Perou et al. 1999), and since has been linked to positive lymph node metastasis status and a poor prognosis (Huang et al. 2003; Chung et al. 2004). The effectiveness of the DWD normalization is evident upon close examination of the sample associated dendrogram, which shows that every subtype is populated by samples from each data set (i.e. significant inter-data set mixing).

176. Even though there was limited overlap between the new Intrinsic/UNC list and the Intrinsic/Stanford list of Sorlie et al. 2003 (108 genes in common), there was high agreement in sample classification. For example, it was found 85% concordance in subtype assignments for the 416 tumor data set (combined samples from training and combined test set) that were analyzed independently using the Intrinsic/Stanford and Intrinsic/UNC lists, and both lists showed significance in univariate survival analyses (data not shown). This analysis suggests that, even though the exact constituent genes may vary, the different lists are tracking the same phenotypes and the same "portraits" are seen. However, since the Intrinsic/UNC list contained many more genes and a biologically relevant pattern of expression not seen in the Intrinsic/Stanford lists (i.e. proliferation signature), therefore, it can be more biologically representative of breast tumors. The Intrinsic/UNC list can also be more valuable because it provides a larger number of genes for performing across data set analyses and thus, classifications made across different platforms are less susceptible to artifactual groupings as a result of gene attrition.

177. Multivariate analyses. In the training set and combined test set, the standard clinical parameters of ER status, node status, grade, and tumor size were all significant predictors of Relapse-Free Survival (RFS, where an event is either a recurrence or death) using univariate Kaplan-Meier analysis (Figure 15 for combined test set analysis). In addition, the Intrinsic/UNC gene set identified tumor groups/subtypes that were predictive of RFS on both the training (Figure 16A) and combined test set (Figure 16B). As before, the Luminal group had the best outcome and the HER2+/ER- and Basal-like groups had the worst. The Intrinsic/UNC gene list was also predictive of Overall Survival (OS) on the training and combined test set. As previously seen, patients of the LumB classification showed worse outcomes that LumA, despite being clinically ER+ tumors (Figure 16B). Finally, the new class of LumI showed similar outcomes to LumB, and both showed elevated proliferation rates when compared to LumA tumors (Figure 14G).

178. When the five standard clinical parameters were tested on the 315 sample combined test set using a proportional hazards regression model and RFS, OS or Disease-Specific Survival (DSS) as endpoints, tumor size, grade and ER status were the significant predictors with node status being close to significant ($p = 0.06$-0.07); however, node status was still prognostic in a univariate analysis (Figure 15B). The next objective was to test for differences in survival among the intrinsic subtypes on the combined test set after adjusting for the clinical covariates of age, ER, node status, grade and tumor size. The approach used was a

proportional hazards regression model for RFS (or time to distant metastasis for the van't Veer et al. samples), OS and DSS (which was limited to the Sorlie et al. and Sotiriou et al. data sets). P-values of 0.05 (RFS), 0.009 (OS) and 0.04 (DSS) were obtained when the intrinsic subtypes were tested in a model that included the clinical covariates, which showed that the classifications have significantly different hazard functions, and thus, different survival curves after taking into account (or adjusting for) the effects of age, node status, size, grade, and ER status (Table 11, example for RFS). In this analysis, the Basal-like, LumB and HER2+/ER- subtypes were significantly different from the LumA group (the reference group), while LumI was not. Similar findings were also obtained for the other endpoints except for the LumB subtype, which was not significantly different from LumA in OS ($p = 0.36$) or DSS ($p=0.08$).

179. Single Sample Predictions using three additional test sets. A major limitation of using hierarchical clustering as a classifications tool, is its' dependence upon the sample/gene set used for the analysis (Simon et al. 2003). That is, new samples cannot be analyzed prospectively by simply adding them to an existing dataset because it may alter the initial classification of a few previous samples. If an assay is going to be used in the clinical setting, it must be robust and unchanging. To address this concern, a Single Sample Predictor (SSP) was developed using the "combined test set" and its 306 Intrinsic/UNC genes (See Figure 11); the SSP is based upon "Subtype Mean Centroids" and a nearest centroid predictor (Hastie et al. 2001) (see Methods). For the SSP, an intrinsic subtype average profile (centroid) was created for each subtype using the combined test set presented in Figure 14, and then a new sample is individually compared to each centroid and assigned to the subtype/centroid that it is the most similar to using Spearman correlation. Using this method, an intrinsic subtype can be assigned to any sample, from any data set, one at a time.

180. Using the combined test set, five centroids representing the LumA, LumB, Basal-like, HER2+/ER- and Normal Breast-like groups were created). The SSP was tested on three "additional test sets", the first of which was the Ma et al. data set of ER+ patients that were homogenously treated with tamoxifen (Ma et al. 2004). Using the 60 whole tissue samples of Ma et al., the SSP called 2 Basal-like, 2 HER2+/ER-, 12 Normal Breast-like, 34 LumA, and 9 LumB. Since this patient set had RFS data, the SSP classifications were tested in terms of outcomes (the 2 Basal-like and 2 HER2+/ER- samples by SSP analysis were excluded). The SSP assignments were a significant predictor for this group of adjuvant tamoxifen treated patients ($p=0.04$, Figure 16C).

181. Next, the SSP was applied onto a 96 sample test set of local only (surgery) treated patients from Chang et al. (Chang et al. 2005), which showed highly significant results (Figure 16D, p=0.0006). The final additional test set analyzed was a second adjuvant tamoxifen-treated patient set created by combining similarly treated patients from Chang et al. 2005 plus 16 patients from UNC (which were not included within the 105 patient training data set); for the 45 patient tamoxifen treated data set #2, the SSP called 3 Normal-like, 2 Basal-like and 2 HER2+/ER-, and these samples were excluded from the survival analyses. Again, the SSP-based assignments were a statistically significant predictor of outcomes (Figure 16E for tamoxifen-treated set #2, p=0.02). Finally, if the SSP was applied back onto the original training data set of 105 samples, it was noted that 17 tumors were called LumB (Figure 12) and that the survival analysis showed that these tumors did show a poor outcome (Figure 16F, p=0.02). Thus, the SSP that was based upon hundreds of samples, was able to define clinically relevant distinctions that the hierarchical clustering analysis of 105 samples missed, which further demonstrates the usefulness and objectivity of the SSP.

c) DISCUSSION

182. This study identified a number of new biologically relevant "intrinsic" features of breast tumors and methods that are important for the microarray community. These new biological features include the 1) demonstration that proliferation is a stable and intrinsic feature of breast tumors, 2) identification of the high expression of many Kallikrein genes in Basal-like tumors, and 3) demonstration that there are multiple types of "HER2-positive" tumors; the HER2-positive tumors falling into the "HER2+/ER-" intrinsic subtype were also shown to associate with the expression of the Androgen Receptor, while those not falling into this group were present in the LumB or LumI subtypes and usually showed better outcomes relative to the HER2+/ER- tumors. Recent studies in prostate cancer have shown that HER2 signaling enhances AR signaling under low androgen levels (Mellinghoff et al. 2004). When this finding is coupled to the observation that some HER2+/ER- tumors showed nuclear AR expression (Figure 13B), this suggests that active AR signaling may be occurring and that anti-androgen therapy can be helpful in these HER2+ (i.e. amplified) and AR+ patients.

183. Microarray studies are often criticized for a lack of reproducibility and limited validation due to small sample sizes (Simon et al. 2003; Ioannidis 2005). By using DWD, multiple microarray data sets have been comboned together to create a single and large combined test set, and it has been shown that the same "intrinsic" patterns can be identified in different data sets in a coordinated analysis, even though entirely different patient populations

were investigated on different microarray platforms. The analysis of the 315 sample combined test set showed that the "intrinsic" subtypes based upon the Intrinsic/UNC list, were independent prognostic variables, and thus, were providing new clinical information.

184. To be of routine clinical use, a gene expression-based test must be based upon an unchanging assay that is capable of making a prediction on a single sample. Therefore, a Single Sample Predictor/SSP was created that was able to classify samples from three additional test sets of similarly treated patients. In particular, the new Intrinsic/UNC list and the SSP, recapitulated the finding that the intrinsic subtypes are truly prognostic on a test set of local only treated patients (Figure 16D), and it was shown on two additional test sets that LumB patient fair worse than LumA patient in the presence of tamoxifen (Figure 16C and 16E). It should be noted that the distinction of LumA versus LumB closely mirrors the "Recurrence Score" predictor of Paik et al. (Paik et al. 2004), where outcome predictions for tamoxifen-treated ER+ tumors were stratified based mostly on the expression of genes in the HER2-amplicon (HER2 and GRB7), genes of proliferation (STK15 and MYBL2), and genes associated with positive ER status (ESR1 and BCL2). In essence, high expression of HER2-amplicon and/or proliferation genes gives a high Recurrence Score (and correlates with LumB because most HER2+ and ER+ tumors fall into this subtype), while low expression of these genes and high expression of ER status genes gives a low Recurrence Score (and correlates with LumA).

185. This data shows that the breast tumor intrinsic subtypes identified using the Intrinsic/UNC gene list can be generalized to many different patient sets, both treated and untreated. The intrinsic portraits of breast tumors are recognizable patterns of expression that are of biological and clinical value, and the SSP-based classification tool represents an unchanging predictor to be used for individualized medicine.

3. Example 3: Agreement in Breast Cancer Classification between Microarray and qRT-PCR from Fresh-Frozen and Formalin-Fixed Paraffin-Embedded Tissues

186. Microarray analyses of breast cancers have identified different biological groups that are important for prognosis and treatment. In order to transition these classifications into the clinical laboratory, a real-time quantitative (q)RT-PCR assay has been developed for profiling breast tumors from formalin-fixed paraffin-embedded (FFPE) tissues and evaluate its performance relative to fresh-frozen (FF) RNA samples.

187. Microarray data from 124 breast samples were used as a training set for classifying tumors into four different previously defined molecular subtypes of Luminal, HER2+/ER-, Basal-like, and Normal-like. Sample class predictors were developed from hierarchical clustering of microarray data using two different centroid-based algorithms: Prediction Analysis of Microarray and a Single Sample Predictor. The training set data was applied to predicting sample class on an independent test set of 35 breast tumors procured as both fresh-frozen and formalin-fixed, paraffin embedded tissues (70 samples). Classification of the test set samples was determined from microarray data using a large 1300 gene set, and using a minimized version of this gene list (40 genes). The minimized gene set was also used in a real-time qRT-PCR assay to predict sample subtype from the fresh-frozen and formalin-fixed, paraffin embedded tissues. Agreement between primer set performance on fresh-frozen and formalin-fixed, paraffin embedded tissues was evaluated using diagonal bias, diagonal correlation, diagonal standard deviation, concordance correlation coefficient, and subtype assignment.

188. The centroid-based algorithms (Prediction Analysis of Microarray and Single Sample Predictor) had complete agreement in classification from formalin-fixed, paraffin-embedded tissues using qRT-PCR and the minimized 'intrinsic' gene set (40 classifiers). There was 94% (33/35) concordance between the diagnostic algorithms when comparing subtype classification from fresh-frozen tissue using microarray (large and minimized gene set) and qRT-PCR data. By qRT-PCR alone, there was 97% (34/35) concordance between fresh-frozen and formalin-fixed, paraffin embedded tissues using Prediction Analysis of Microarray and 91% (32/35) concordance using Single Sample Predictor. Finally, we used several analytical techniques to assess primer set performance between fresh-frozen and formalin-fixed, paraffin-embedded tissues and found that the ratio of the diagonal standard deviation to the dynamic range was the best method for assessing agreement on a gene-by-gene basis.

189. Determining agreement in classification between platforms and procurement methods requires a variety of methods. It has been shown that centroid-based algorithms are robust classifiers for breast cancer subtype assignment across platforms (microarray and qRT-PCR data) and procurement conditions (fresh-frozen and formalin-fixed, paraffin-embedded tissues). In addition, the standard deviation, dynamic range, and concordance correlation coefficient are important parameters to assess individual primer set performance across procurement methods. The strategy for primer set validation and classification have applications in routine clinical practice for stratifying breast cancers and other tumor types.

190. Expression-based classifications are important for determining risk of relapse and making treatment decisions in breast cancer (Fan et a. N Engl J Med 2006, 355:560-569; Paik et al. N Engl J Med 2004, 351:2817-2826; Perou et al. Nature 2000, 406:747-752; van 't Veer et al. Nature 2002, 415:530-536). Classifications are often developed using microarray data and then further validated on the same or different platforms using minimized gene sets. For instance, van't Veer and van de Vijer used microarray data in training and test sets to validate a 70-gene signature that predicts relapse in early stage ER-positive and ER-negative tumors (van 't Veer et al. Nature 2002, 415:530-536; van de Vijver et al. N Engl J Med 2002, 347:1999-2009). In addition, Paik et al developed a 16-gene classifier that predicts relapse in ER-positive tumors using qRT-PCR on formalin-fixed, paraffin embedded (FFPE) tissues. Furthermore, Perou and Sorlie showed that hierarchical clustering of microarray data separates breast tumors into different 'biological' subtypes (Luminal, HER2+/ER-, Basal-like, and Normal-like) and that these subtypes are prognostic (Sorlie et al. Proc Natl Acad Sci U S A 2001, 98:10869-10874). The biological classification has been validated on multiple patient cohorts using cross-platform microarray analyses and qRT-PCR (Hu et al. BMC Genomics 2006, 7:96; Perreard et al. Breast Cancer Res 2006, 8:R23; Sorlie et al. Proc Natl Acad Sci U S A 2003; 100:8418-8423).

191. Although there are few genes in common between those used to determine the biological subtypes and those used in other classifications for breast cancer prognosis, the different tests identify similar properties that predict tumor behavior (Fan et al. N Engl J Med 2006, 355:560-569). A major difference between the classification for biological subtypes and other classifications for breast cancer is that it is based on hierarchical clustering. The unsupervised nature of hierarchical clustering is effective for discovery (Eisen et al. Proc Natl Acad Sci U S A 1998, 95:14863-14868), but it is not suitable for predicting a new sample's class since dendrogram associations can change when new data is introduced. However, it is possible to classify samples within the framework of hierarchical clustering using centroid-based methods (Tibshirani et al. Proc Natl Acad Sci U S A 2002, 99:6567-6572; Bair et al. PLoS Biol 2004, 2:E108; Bullinger et al. N Engl J Med 2004, 350:1605-1616). For instance, Tibshirani et al has shown that the nearest shrunken centroid method, used in Prediction Analysis of Microarray (PAM), can classify samples as accurately as statistical approaches like artificial neural networks. In addition, Hu et al employed another simple centroid method called Single Sample Predictor (SSP) to classify subtypes of breast cancer (Hu et al. 2006).

a) Materials and Methods

(1) Tissue Procurement and Processing

192. All tissues and data used in this study were collected and handled in compliance with federal and institutional guidelines. Breast samples received in pathology were flash frozen in liquid nitrogen and stored at -80°C. Samples were procured at the University of North Carolina at Chapel Hill, Thomas Jefferson University, University of Chicago, and University of Utah. The 159 breast samples analyzed included a 124-sample microarray training set and a 35-sample test set profiled by microarray and real-time qRT-PCR (FF and FFPE). Total RNA from FF samples was isolated using the RNeasy Midi Kit (Qiagen, Valencia, CA) and treated on-column with DNase I to eliminate contaminating DNA. The RNA was stored at -80°C until used for cDNA synthesis.

193. Each FF sample in the test set was compared to the clinical FFPE tissue block. An H&E slide was used to confirm the presence of >50% tumor and 20 micron cuts were prepared using a microtome. Tissue blocks were 1-5 years in age (i.e. early age FFPE). The FFPE cut was de-paraffinized in Hemo-De (Scientific Safety Solvents) and washed with 100% ethanol. Total RNA was isolated using the High Pure RNA Paraffin Kit (Roche Molecular Biochemicals, Mannheim, Germany). Manufacturer's instructions were followed for RNA extraction except that the reagents were increased 2-fold for the first proteinase K digestion. Samples were treated with TURBO DNA-free (Ambion, #1906) and stored at -80°C until cDNA synthesis.

(2) First-Strand cDNA synthesis

194. cDNA synthesis for each sample was performed in 40µl total volume reaction containing 600ng total RNA. Total RNA was first mixed with 2µl gene specific cocktail containing 55 primers (each anti-sense primer at 1pmol/µl) and 2µl 10 mM dNTP Mix (10mM each dATP, dGTP, dCTP, dTTP at pH7). Reagents were heated at 65°C for 5 minutes in a PTC-100 Thermal Cycler (MJ Research, Inc.) and briefly centrifuged. The following reagents were added to each tube: 8µl 5X First-Strand Buffer, 2µl 0.1M DTT, 2µl RNase Out (Invitrogen), and 2µl SuperScript III polymerase (200units/µl). The reaction was thoroughly mixed by pipetting and incubated at 55°C for 45 minutes followed by 15 minutes at 70°C for enzyme inactivation. Following cDNA synthesis, samples were purified with the QIAquick PCR Purification Kit (Qiagen, Valencia, CA). Samples were adjusted to a final concentration of 1.25ng/µl cDNA with TE (10mM Tris-HCl, pH 8.0, 0.1 mM EDTA).

(3) Primer Design and Optimization

195. Primers were designed using Roche LightCycler Probe Design Software 2.0. Reference gene sequences were obtained through NCBI LocusLink and optimal primer sites were found with the aid of Evidence Viewer (http://www.ncbi.nlm.nih.gov). Primers sets were selected to avoid known insertions/deletions and mismatches while including all isoforms possible. Amplicons were limited to 60-100bp in length due to the degraded condition of the FFPE mRNA. When possible, RNA specific amplicons were localized between exons spanning large introns (>1 kb). Finally, NCBI BLAST was used to verify gene target specificity of each primer set. Primer sequences are presented in Table 1. Primers were synthesized by Operon, Inc. (Huntsville, AL), re-suspended in TE to a final concentration of 60uM, and stored at –80°C. Each new FFPE primer set was assessed for performance through qRT-PCR runs with three serial 10-fold dilutions of reference cDNA in duplicate and two no template control reactions. Primers were verified for use when they fulfilled the following criteria: 1) target Cp < 30 in 10 ng reference cDNA; 2) PCR efficiency >1.75; 3) no primer-dimers in presence of template as determined through post amplification melting curve analysis; and 4) no primer-dimers in negative template control before cycle 40.

(4) Real-Time Quantitative (q)RT-PCR

196. PCR amplification was carried out on the Roche LightCycler 2.0. Each reaction contained 2µl cDNA (2.5ng) and 18µl of PCR master mix with the following final concentration of reagents: 1 U Platinum Taq, 50mM Tris-HCl (pH 9.1), 1.6mM $(NH_4)^2SO_4$, 0.4mg/µl BSA, 4mM $MgCl_2$, 0.2mM dATP, 0.2mM dCTP, 0.2mM dGTP, 0.6mM dUTP, 1/40000 dilution of SYBR Green I dye (Molecular Probes, Eugene, OR, USA), and 0.4µM of both forward and reverse primers for the selected target. The PCR was done with an initial denaturation step at 94°C for 90s and then 50 cycles of denaturation (94°C, 3s), annealing (58°C, 6s), and extension (72°C, 6s). Fluorescence acquisition (530nm) was taken once each cycle at the end of the extension phase. After PCR, a post-amplification melting curve program was initiated by heating to 94°C for 15 s, cooling to 58°C for 15 seconds, and slowly increasing the temperature (0.1°C/s) to 95°C while continuously measuring fluorescence.

197. Each PCR run contained a no template control, a calibrator reference in triplicate, and each sample in duplicate. The calibrator reference sample was comprised of 3 breast cancer cell lines (MCF7, SKBR3, and ME16C2) and Stratagene Universal Human Reference RNA (Stratagene, La Jolla, CA, USA) represented in equal parts. The crossing point (C_p) for each reaction was automatically calculated by the Roche LightCycler Software 4.0. Relative

quantification was done by importing an external efficiency curve (Eff=1.89) and setting the calibrator at 10ng for each gene. In order to correct for differences in sample quality and cDNA input, copy numbers were adjusted to the arithmetic mean of 5 'housekeeper' genes (ACTB, PSMC4, PUM1, MRPL19, SF3A1). Values from replicate samples were averaged and data was log2 transformed.

(5) Microarray

198. All samples were analyzed by DNA microarray (Agilent Human A1, Agilent Human A2, and Agilent custom oligonucleotide microarrays). Labeling and hybridization of RNA for microarray analysis were performed using the Agilent low RNA input linear amplification kit (http://www.chem.agilent.com/Scripts/PDS.asp?lPage=10003) as described in Hu et al (Hu et al. Biotechniques2005, 38:121-124). Each sample was assayed versus a common reference that was a mixture of Stratagene's Human Universal Reference total RNA (Stratagene, La Jolla, CA, USA) enriched with equal amounts of RNA from the MCF7 and ME16C cell lines. Microarray hybridizations were carried out on Agilent Human oligonucleotide microarrays using 2 μg Cy3-labeled 'reference' sample and 2 μg Cy5-labeled 'experimental' sample.

199. All microarrays were scanned using an Axon Scanner 4000B (Axon Instruments Inc, Foster City, CA, USA). The image files were analyzed with GenePix Pro 4.1 (Axon Instruments) and were uploaded into the UNC Microarray Database at the University of North Carolina at Chapel Hill (https://genome.unc.edu/), where a Lowess normalization procedure was performed to adjust the Cy3 and Cy5 channels (Yang et al. Nucleic Acids Res 2002' 30:e15).

(6) Clinical Immunohistochemistry and PCR

200. Samples were scored for protein expression at the time of diagnosis using standard operating procedures established at each institution. Greater than 10% positive staining nuclei was considered positive for the ER and PR. Staining and scoring criteria for HER2 were carried out according to the Dako HercepTest™ (Dako, Carpinteria, CA, USA). Quantitative PCR, used to determine DNA copy number of the ERBB2 gene, was done using a clinical assay from ARUP Laboratories Inc (cat# 00049390, Salt Lake City, UT, USA).

(7) Selecting Genes for Real-Time qRT-PCR

201. The real-time qRT-PCR assay consisted of 5 housekeeper genes (Szabo et al. Genome Biol 2004, 5:R59), 5 proliferation genes for risk stratification of the Luminal (ER-positive) tumors, and 40 'intrinsic' genes important for distinguishing biological subtypes of

breast cancer. The minimal 40 'intrinsic' classifiers were statistically selected from a larger 1300 'intrinsic' gene set previously reported in Hu et al (2006). The larger gene set was minimized as described in Perreard et al (2006). Briefly, a semi-supervised classification method was used in which samples are hierarchical clustered and assigned subtypes based on the sample-associated dendrogram. Samples were designated as Luminal, HER2+/ER–, Basal-like, or Normal-like. The best class distinguishers were identified according to the ratio of between-group to within-group sums of squares. A 10-fold cross-validation was performed using a nearest centroid classifier and testing overlapping gene sets of varying sizes. The smallest gene set which provided the highest class prediction accuracy when compared to the classifications made by the complete microarray-based intrinsic gene set was selected.

(8) Assessing qRT-PCR Agreement between FF and FFPE Tissues

202. Thirty-five matched FF and FFPE samples (70 samples total) were analyzed by qRT-PCR using the same primer sets. Agreement in the quantitative data was determined using diagonal bias (m), diagonal spread (d), diagonal standard deviation (dsd), diagonal correlation (r_d), and concordance correlation coefficient (CCC).

203. In diagonal bias, a best fitting line parallel to the diagonal (slope equals 1) is made from a plot of the qRT-PCR data (FF versus FFPE). Numerically, if (x_i, y_i), $i = 1, \ldots, n$ denote the measurement pairs then the best fitting line parallel to the diagonal is given by the expression:

$$y = x + \bar{y} - \bar{x}$$

where $\bar{x}$ and $\bar{y}$ denote the sample means of the x and y measurements, respectively.

Then diagonal bias is calculated as:

$$m = \frac{\bar{y} - \bar{x}}{\sqrt{2}}$$

The diagonal standard deviation was calculated as follows:

$$s_d = \sqrt{\frac{\sum_{i=1}^{n} d_i^2}{n-1}}$$

Let d represent:

$$d = \frac{\sum_{i=1}^{n} d_i}{n}$$

Diagonal correlation was used to determine the spread of points around the diagonal line:

$$r_d = \frac{2Cov(X,Y)}{Var(X)+Var(Y)}$$

204. This method does not provide information about the extent of deviation but allows measurements with different units to be compared. Further, if we let ρ denote the correlation coefficient and σ_X and σ_Y the respective standard deviations, then

$$r_d = \rho \frac{2}{\frac{\sigma_X}{\sigma_Y} + \frac{\sigma_Y}{\sigma_X}}$$

205. That is, the diagonal correlation penalizes the correction coefficient if there is a scale shift ($\sigma_X \neq \sigma_Y$). The combined effect of the bias and scale shift was measured using the concordance correlation coefficient (CCC) proposed by Lin et al (Lin et al. Biometrics 1989, 45:255-268):

$$CCC = \frac{2Cov(X,Y)}{Var(X)+Var(Y)+(\bar{Y}-\bar{X})^2}$$

(9) Assessing Agreement between Microarray and qRT-PCR for Classification.

206. A breast cancer subtype predictor was developed in PAM (http://www-stat.stanford.edu/~tibs/PAM/) and SSP using 124 breast samples and the 'intrinsic' gene set identified in Hu et al (2006). The training set contained representative samples of Luminal (64 samples), HER2+/ER- (23 samples), Basal-like (28 samples), and Normal-like (9 samples) subtypes. Classification of an independent test set (35 matched FF and FFPE samples) was done using a large (1300 genes) and minimized (40 genes) version of the 'intrinsic' set.

Subtypes were assigned based on Spearman correlation to the centroid. The qRT-PCR data from the test set was merged with the microarray data of the training set prior to classification using distance weighted discrimination (Benito et al. Bioinformatics 2004, 20:105-114). The gold standard for classification of the training and test samples was based on FF tissue RNA and using the classifications obtained when performing hierarchical clustering analysis using the 1300 gene intrinsic gene set from microarray data.

b) Results

(1) Assessment of qRT-PCR Primer Set Performance by Comparing Agreement between FF and FFPE Tissues.

207. The data set of 35 matched FF and FFPE tissues (70 samples) was evaluated for 50 genes using the same PCR conditions. Agreement between FF and FFPE tissues was assessed for diagonal bias (m), diagonal correlation (r_d) diagonal standard deviation (dsd), and concordance correlation coefficient (ccc). Figure 18 shows an agreement plot between FF and FFPE for the estrogen receptor gene (ESR1) after normalization to the 5 housekeepers. The large dynamic range of ESR1 expression provides clear separation of the tumors from both FF and FFPE (Figure 20). ESR1 alone measured from FF tissue has very high sensitivity and specificity using ER status by IHC as the gold standard (Perreard 2006).

208. For each gene, the agreement between FF and FFPE was analyzed using the raw data, housekeeper normalized data, and DWD adjusted normalized data. Scatter plots are provided in Figures 20-23 and values are presented in Table 14. The line graphs in 19 show the effects at each step of data processing. The raw (pre-normalized) data shows a negative bias for all genes likely due to lower RNA quality in the FFPE tissue (Fig 19A). Much of the bias was corrected by normalization to the 'housekeeper' genes and using DWD adjustment. As expected, DWD had a significant effect on bias (m) but did not effect other measurements of agreement (Fig 19B-D).

209. The median biases for the un-normalized, housekeeper normalized, and DWD adjusted normalized data were -1.5 (-3.1 to -0.033), 0.58 (-1.1 to 2) and 0.24 (-0.3 to 1.3), respectively. Normalization to the housekeeper genes had a relatively modest effect on the diagonal standard deviation with a change in the median from 1.1 (0.76-2) to 0.81 (0.38-1.8). While most genes had a similar standard deviation (e.g. ESR1) after applying the housekeepers, other genes such as C10orf7 and COX6C had nearly a 3-fold reduction in standard deviation after normalization.

210. In general, genes with the highest diagonal correlation between FF and FFPE also had the largest dynamic range in expression (e.g., ESR1, TFF3, COX6C, and FBP1). Housekeeper genes and other genes with low variability in expression (IGBP1) had the lowest diagonal correlation since they form more of a cloud than a line around the diagonal. The housekeeper genes all had high agreement in terms of having low variability in expression across samples in the FF and FFPE tissues.

211. The concordance correlation coefficient (CCC) considers both bias and scale shift when determining agreement. The median concordance correlation coefficient between FF and FFPE for the raw data of the 45 genes (housekeepers excluded) was 0.28. Normalization to housekeepers raised the CCC median to 0.48, and adjusting with DWD brought the median to 0.61. Only 27% of the genes had a CCC value greater than 0.5, whereas 47% of the genes were above that value in the normalized data, and 76% were above that when using DWD adjusted normalized data. A comparison of the CCC value to the ratio of the diagonal standard deviation over the dynamic range identified many of the same primer sets as good (or poor) performers from the FFPE derived samples.

(2) Breast Cancer Subtype Classification of Test Set using PAM and SSP.

212. Hierarchical clustering of the 124 sample training set using the "intrinsic" gene set identified in Hu et al shows 4 distinct classes representing Luminal, HER2+/ER-, Basal-like, and Normal-like (Figure 24). Centroid classifiers were developed from the microarray expression data using PAM and SSP (Hu et al. 2006, Tibshirani et al. 2002). Class predictions were made on the test set using microarray (large and minimized 'intrinsic' sets) and qRT-PCR data (15). Each individual microarray (large and minimized) and PCR datasets were DWD merged with the training set prior to subtype class prediction.

213. Agreement in classification between large and minimized microarray gene sets. Thirty-three out of 35 (94%) samples classified the same between PAM and SSP when using the large 'intrinsic' microarray dataset for classification. In both discrepant cases, IHC data agreed with the PAM classification. There was the same agreement (94%) when performing the analysis with the minimized version of the microarray data. Interestingly, there was one sample that was called HER2+/ER- by both PAM and SSP when using the large microarray dataset, but called Basal-like by both methods when using the minimized microarray dataset. Additional analysis of this sample by quantitative PCR showed no DNA amplification of HER2/ERBB2 amplicon.

214. Agreement in classification between FF and FFPE. By qRT-PCR, there was 97% (34/35) concordance between FF and FFPE using PAM, and 91% (32/35) concordance using SSP. There was 94% (33/35) concordance between the diagnostic algorithms from FF tissue and complete agreement in classification from FFPE tissue. Since the FFPE samples were obtained from the clinical block, it is likely that there was a higher tumor percentage in those samples than in the matched FF sample, which could affect the agreement. Indeed, 2 out of the 3 discrepancies in classification made by SSP were when the FF tissue sample was called Normal-like (microarray and PCR) and the FFPE sample was called Luminal (PCR). These samples were ER-positive by IHC and likely Luminal. The only discrepancy in PAM was in a sample classified as Normal-like from FF tissue and Luminal from FFPE.

215. Overall concordance across methods. Overall, PAM diagnosed 33 out of 35 samples (94%) the same across microarray and qRT-PCR, while SSP diagnosed 30 out of 35 samples (86%) the same across platforms and procurement methods. Discrepancies were of several types including Luminal tumors classified as Normal-like, HER2+/ER- tumors classified as Luminal, and Basal-like tumors classified as HER2+/ER-.

c) Discussion

216. The transition of large-scale microarray experiments into a clinical test requires identifying a minimum set of genes for classification, translating the assay from microarray to qRT-PCR for routine diagnostics, and validating the assay using both FF and FFPE specimen types.

217. A previous qRT-PCR assay for identifying biological subtypes was based on an intrinsic gene set derived from first generation microarrays that contained 8,100 genes. In comparison, the current intrinsic set was derived from a different microarray platform (cDNA versus Agilent), contained a larger number of genes (427 vs. 1300), and used pre-treatment samples only (Hu et al. 2006. The overlap in the minimized gene set developed here versus the list in Perreard et al. was 14 out of 40, which is not surprising since there were only 108 genes in common between the larger intrinsic gene sets. It has been shown that the new intrinsic gene set reproducibly identifies the same breast cancer subtypes within independent datasets (i.e. pure training and test sets), and that the biological classification adds significant clinical information when used in a multivariate Cox analysis.

218. It has been shown that the centroid-based method called Single Sample Predictor can use microarray data to classify breast cancers into biological subtypes that predict survival in treated and untreated patients (Hu et al. 2006). Here PAM is directly compared to SSP using

the large microarray dataset applied in Hu et al, and also tested a minimized version using microarray and qRT-PCR data. Both methods performed well.

219. This method of classification is considered semi-supervised since data from hierarchical clustering is initially used to develop a centroid or shrunken centroid from a training set and new samples are then classified based on the distance to the centroid. In this way, the training set is not only necessary for initial discovery and validation but the data continues to be used as a reference base for future classification of new samples. Similarly, the Oncotype Dx assay established cut points for risk of relapse from a training set and this classifier rule is applied to new samples to derive a recurrence score.

220. Determining agreement between methods is a complex issue that requires consideration of several factors before reaching a conclusion. Cronin et al used Pearson correlation to show that the genes with the highest correlation in microarray maintained their association with qRT-PCR. They used short amplicons and control 'housekeeper' genes in the qRT-PCR assay to correct biases between FF and FFPE tissues. Although correlation provides information about the linearity and slope (positive or negative correlation) of the data, it does not indicate the amount of bias, scale shift, or data spread. These additional measurements are helpful in determining whether the discrepancies in the data can be compensated for experimentally (e.g., housekeeper genes) or by software algorithms. For example, when the qRT-PCR data from FF and FFPE were compared, it was found that a significant bias could be corrected by normalization to the housekeepers and applying Distance Weighted Discrimination. Distance Weighted Discrimination corrected systematic biases but did not change other measurements of agreement. After correcting for systematic bias, it is then possible to evaluate variation due to noise that cannot be predicted or controlled.

221. It was found that the most useful analyses for assessing PCR primer set performance across FF and FFPE tissues were the concordance correlation coefficient, the diagonal standard deviation, and the dynamic range. Genes with a large dynamic range often had high correlation and were good classifiers across conditions, even with relatively large diagonal standard deviations. Although genes with a small dynamic range can be good classifiers, the measurement may not be as reproducible if there is a large amount of variation. Thus, it was found that the best assessment of a classifier was using a ratio of the diagonal standard deviation to the dynamic range. This allowed genes with smaller dynamic ranges to be considered as good classifiers, if they also had low diagonal standard deviations. The concordance correlation coefficient and the ratio of the diagonal standard deviation to the

dynamic range selected many of the same genes as having similar performance from the FF and FFPE tissues.

222. Translating an assay from microarray to qRT-PCR provides a second level of gene validation and allows the test to be used on archived FFPE tissue blocks from clinical trials or on samples submitted for routine diagnostics (Paik et al. 2004; Cronin *et al.* Am J Pathol 2004, 164:35-42). qRT-PCR on formalin-fixed paraffin-embedded tissue can be effectively used for gene expression based diagnostics for translation into the clinical laboratory. The FFPE procured RNA provided accurate subtype classifications in breast cancer, and in some instances provided more tumor specific information than the FF derived samples. This study also developed methodologies that have wider application for developing qRT-PCR assays for subtype classification in a wide variety of cancer types. These gene expression based tests can provide powerful new prognostic clinical tools and aid in more appropriate individualized treatment decisions.

223. Table 11. Regression model using RFS and the intrinsic classes from the 315 tumor sample Combined Test Set.

	Hazard Ratio	p-value	95%CI lower	95%CI upper	Param Est	Std Error
age (decade)	1.079	0.2949	0.936133111	1.242912729	0.07573	0.07231
ER	0.692	0.1404	0.42483297	1.128714303	-0.36749	0.24927
Node status	1.35	0.1261	0.919128261	1.981847717	0.29985	0.19601
Grade 1 vs. 2	1.879	0.1376	0.817125651	4.322363677	0.63092	0.42494
Grade 1 vs. 3	2.576	**0.0321**	1.084274609	6.120897891	0.94631	0.44153
size	1.591	**<0.0001**	1.300348623	1.947657951	0.46463	0.10306
LumA vs. Basal-like	2.023	**0.0358**	1.047852886	3.904839964	0.70448	0.33558
LumA vs. HER2+/ER-	3.468	**0.0003**	1.780768834	6.75548522	1.2437	0.34013
LumA vs. LumB	1.923	**0.0284**	1.071712675	3.449405854	0.65373	0.2982
LumA vs. LumI	1.401	0.3669	0.673503019	2.914105175	0.33715	0.37368
LumA vs. Normal-like	1.556	0.3686	0.589038578	4.163947739	0.4486	0.49891

Table 7.

SAMPLES CLINICAL DATA

Sample Name	Age	Race	ER (1=positive; 0=negative); if fmol=10=+ (used fmol for rosetta and singapore) and norway as detailed in PNAS 2003 Table	HER2	PGR	Size (1= <=2cm; 2=>2cm to <=5cm; 3=>5cm; 4=any size with direct extension to chest wall or skin)	Grade	RFS event (0=no relapse, 1=relapsed or died of disease)	RFS months	number of nodes examined	number of nodes positive for tumor	Overall Survival Event (0=alive, 1=DOD or DOC)	Overall survival months	Important Comments
02573-BC-PRIMARY	41	AA	1			3	3	1	10	25	14	0	22	primary for a patient with an associated brain
A1-17-left-breast-T	64	C	0	0		4	3	1	2			1	2	Autopsy Patient Sample
A4-LUL_Lung-Met	44	C	1			4	3	1	22			1	22	Autopsy Patient Sample
A5-Skin#1_Right-Met	85	AA	0			4	3	1	26	14	3	1	26	Autopsy Patient Sample
BC00010	47	C	0			3	2	1	16	21	19	1	16	
BC00014T	69	AA	0			4	3	1	18	40	36	1	23	
BC00024	66	AA	0			3	3	1	3	116	14	1	3	pt was diagnosed with MM at same time as br
BC00029	44	C	0		0		3	0	62	7	3	0	62	lymph node met sample? - no primary tumor i
BC00034	66	AA	0			1	2	0	81			0	81	
BC00036	55	AA	0			2	2	0	10	23	1	0	10	
BC0004	67	C	0			1	2	0	118	20	0	0	118	
BC00041T	46	AA	0	0		2	3	1	13	19	0	1	29	
BC00043T	43	C	0			2	3	0	76	24	0	0	76	
BC00048	43	C	0			2	3	1	48	13	1	0	72	her2 was 1+ on recurrent tumor, not done on i
BC00051	51	C	0			2	2	0	68	12	12	0	68	
BC00052 post chemo	47	AA	0	2		2	3	1	14	13	9	1	18	pt had LABC, had neoadj chemo, this specimt
BC00053	71	AA	0			2	3	1	27	21	7	1	28	
BC00057 post chemo	51	AA	0	3		4	3	1	8	9	9	1	12	pt had IBC, had neoadj chemo, this specimen
BC00064 RECUR	44	C	0	2		1	3	1	10			1	47	pt had local recurrence (this is the sample we
BC00066	43	AA	0	3		3	3	1	18	38	4	1	18	
BC00070	38	AA	0	0		2	2	1	22			1	25	contralateral breast cancer dx 11/15/00, dx wi
BC00071	33	C	0			2	2	1	16	20	4	1	47	
BC00078	68	AA	0	0		3	3	0	12	16	12	1	12	cirrhosis was cause of death
BC00082	64	AA	0	0		2	3	0	27	3	0	1	27	pt admitted with CHF/NQWMI, prob died of ar
BC00085	24	AA	0	1		1	2	0	19			0	19	extensive DCIS w/multiple small foci of invasi
BR00-0344B	65	AA	1	0	0	2	3	1	7	15	2	1	30	
BR00-0365B	43	AA	1	2	1	4	3	0	22	8	6	0	22	
BR00-0387B	57	AA	1	0	1	4	2	1	6	17	10	0	51	
BR00-0504B	68	C	1	0	1	2	1	0	39	15	1	0	39	
BR00-0572B	45	AA	0	3	0	3	3	1	11	31	7	0	42	
BR00-0587B	68	C	1	2	1	2	3	0	37	14	0	0	37	
BR00-284B	63	C	0	3	0	3	3	0	43	6	0	0	43	
BR01-0125B	40	C	1	0	1	3	2	0	33	17	1	0	33	
BR01-0246B	36	Other	1	0	1	2	2	0	31	16	9	0	31	
BR01-0349B	37	C	1	3	0	3	3	1	3	24	22	1	24	
BR94-1083B	48	C	0	3	1	1	3	1	23	19	1	1	47	
BR95-0035B	74	C	0	3	0	2	3	0	105	13	1	0	106	
BR95-0152B	72	C	1	3	0	4	3	1	26	15	0	0	101	
BR95-0184B	74	C	1	3	0	2	3	0	96	20	1	0	96	
BR96-0014B	47	AA	1	3	1	4	1	0	96			0	96	
BR97-0137B	56	Other	0		0	3	3	1	20	21	1	1	21	died of Unconfirmed met ca (symptoms of me
BR98-0161B	57	AA	0	3	0	2	2	1	36	24	0	1	60	
BR98-0281B	44	C	0	3	0	2	3	0	65	14	0	0	65	
BR99-0207B	64	C	1	0	0	2	2	0	57	5	1	0	57	
BR99-0348B	85	AA	1	2	1	2	2	0	32	33	0	0	32	died of other causes (deydration secondary to
HCI00-039														
HCI00-052														
HCI00-098L														
HCI00-192														
HCI00-283														
HCI01-041														
HCI01-155										12	0			
HCI02-235	57	C	0	0	0	2	3			20	0			ER positive tumor (5cm) but no positive node
HCI02-264	50	C	1	1	1	3	0	1	0	15	0	0	20	
MB75	53		1	3	1	2	3	0	20	11	0	0	22	
MB76	57		1	0	1	2	2	0	22	17	0	0	22	Had right breast radical mastectomy in 1979,
MB77	63		1	0	1	2	3	0	22	5	4			
MB78	56		0	2	0	2	3			7	0	0	18	
MB79	63		1	3	1	2	3	0	18	0	0			
MB80	58		1	0	1	2	3			1	1	0	16	Several recurences (cutaneous, gastric)
MB81	64		1	0	1	2	2	1	13	17	0			
MB83	31		0	0	0	2	3			11	2			
MB85	77		1	0	1	2	3			17	7	0	41	Lymph node metastasis - Several recurrences
MB86(LN)	72		0	0	0		3	1	15	1	1			metastasis in small intestine
MB87	73		0	0	0		3			15	14	1	13	lymph node metastasis sample this patient wa
PB120-MET-L	61	AA	0			2	3	1	1	7	7	1	16	This patient was never disease-free and died
PB126	29	AA	0	0	0	4	3	1	1	7	7	1	16	
PB126-MET-LN		AA	0	0	0	4	3	1	1	7	7			

Clinical data (continued)

Sample Name	Age	Race	ER (1=positive; 0=negative); If fmol=10=+ (used fmol for Nesetta and singapore) and norway as detailed in PNAS 2003 Table	HER2	PGR	Size (1= <=2cm; 2= >2cm to <=5cm; 3=>5cm; 4=any size with direct extension to chest wall or skin)	Grade	RFS event (0=no relapse, 1=relapsed or died of disease)	RFS months	number of nodes examined	number of nodes positive for tumor	Overall Survival Event (0=alive, 1=DOD or DOC)	Overall survival months	Important Comments
PB138	58	C	0	0	0	2	2	0	30	0	0	0	30	
PB149	41	C	1	2	1	2	1	0	34	10	0	0	34	
PB152-MET-LN		C	0	1	0									ER, Her2 and PGR are for PB152 but maybe
PB158T	86	AA	1			3	3	0	30	0	0	0	30	
PB184	50	C	1	3	0	1	3	0	29	2	0	0	29	
PB205T	39	C	0	1	0	4	2	0	5	7	1	0	5	
PB244	38	AA	0	3	0	1	3	0	24	12	0	0	24	
PB249	36	C	1	3	1	1	3	0	8	3	3	0	8	
PB255	58	C	1	2	1	2	3	0	4	14	1	0	4	
PB267	44	AA	0	2	0	2	3	0	20	32	1	0	20	
PB271	45	AA	1	3	1	2	3	0	14	12	3	0	14	
PB277	48	C	1	2	1	2	3	0	12	18	9	0	12	
PB284	34	C	1	2	1	1	1			0	0			
PB293	56	C	1	2	1	2	2	0	11	12	0	0	11	
PB297	55	AA	0	1	0	2	3	0	18	0	0	0	18	
PB307	35		1	1	1	3	3	0	9	15	0	0	9	
PB311	48	C	1	0	1	3	3	0	14	12	2	0	14	
PB314	51	C	0	3	0	3	3	0	21	13	8	0	21	
PB334	50	AA	0	0	0	1	3	0	19	0	0	0	19	
PB370	67	C	1	0	1	2	3	0	20	11	2	0	20	
PB375	50	AA	0	1	0	2	3	0	15	3	0	0	15	
PB377	77	C	1	1	0	2	3	0	18	8	0	0	18	there are 2 different tumors within the same br
PB379	55	Other	1	1	1	2	3	0	17	12	4	0	17	
PB388	80	C	1	1	1	2	3	0	16	5	0	0	16	
PB407	56	C	1	0	1	3	3			11	6			
PB413	63	AA	1	0	1	2	2	0	9	9	3	0	9	
PB419	49	C	0	0	0	2	3	0	10	1	0	0	10	
PB432	79		1	1	1	2	3			21	4			
PB441	83	C	1	0	1	1	2	0	9	0	0	0	9	bilateral breast cancer and renal carcinoma
PB455	52	AA	0	3	0	3	2	0	9	8	3	0	9	
PB475	60	C	1	0	1	2	2	0	2	5	0	0	2	
PB479	52	Asian	1	0	1	2	3			19	1			
PB515		AA	0	0	0	3	3			14	2			IDC and DCIS
UB21	77		1	0	1	1	1	0	30	1	0	0	30	
UB22								0	25				25	no malig (fibroadenoma)
UB27	91	C	1	2	1	3	2	0	29	14	2	0	29	
UB28	46	C	0	0	0	1	3	0	30	20	0	0	30	
UB29A	59	C	0	0	0	2	3	0	25	19	0	0	25	
UB37	42	C	0	2	1	1	3	0	25	14	3	0	25	
UB38	50	C	1	0	1	1	1	0	20	13	0	0	20	
UB39	48	C	1	0	0	1	2	0	25	10	0	0	25	
UB43	48	C	1	1	1	1	3	0	19	14	14	0	19	
UB44	50	C	1	0	1	2	2	0	24	3	1	0	24	Had the other breast removed (contained micr
UB45	46	C	1	1	1	2	2	0	21	5	1	0	21	Had a second small tumor (5mm - grade 1 - H
UB55	58	C	1	2	1	1	1	0	22	4	0	0	22	
UB57	60	C	1	0	1	1	2	0	17	2	0	0	17	
UB58	56	C	1	1	1	1	1	0	19	4	1	0	19	Graded 1 on the tissue we received (then got
UB60	72	C	0	3	0	2	3	0	20	13	10	0	20	
UB61	51	C	1	3	0	2	2	0	19	15	9	0	19	
UB62	28	C				1	1	0	9	23	1	0	9	No evidence of malignancy (we had IHC value
UB64	87	C	1	3	1	2	2	0	7	15	0	0	7	No follow-up visit (person out of state)
UB66	88	Other	1	0	1	2	1	0	9	18	0	0	9	(From Price, utah-chest X-ray visit used as La
UB67	80	C	0	0	0	1	3	0	16	15	1	0	16	
UB69	40	C	1	0	0	1	1	0	13	3	0	0	13	(Can't find IHC data in the database to confirm
UB78	41	hisp	1	0	0	4	2	1	0	20	20	0	14	has bone metastasis, in abdomen and pelvis -
UB79	48		1	1	0	2	2	0	2	9	2	0	2	Macro-metastasis in the lymphanodes - Not fo

Table 8. Primer Sets and Gene ID

Gene symbol	Gene name	Gene ID (NCBI)	Forward primer	Reverse primer
Intrinsic gene list				
ACADSB	Acyl-Coenzyme A dehydrogenase, short/branched chain	36	CTA ACA TAC AAT GCT GCT AGG C	CAA TCT TTG CAT CTC GGA AGT
B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	84002	AGA ACT AGG TGG TGT CTA C	GAT TTT CCC TAA CAG GTG C
BF	B factor, properdin	629	CAT GTG TTC AAA GTC AAG GAT A	TGC TTG TGG TAA TCG GT
C5ORF18 (=DP1)	chromosome 5 open reading frame 18	7805	GTG TTC GGT TAT GGA GC	GGT ATC ATC TTC TTT GTT GGG A
CDK2AP1	CDK2-associated protein 1	8099	CGC AGG GAG CAA GAG T	CTT CAA AAC CAA CAA GGC AG
COX6C	cytochrome c oxidase subunit VIc	1345	AGC TTT GTA TAA GTT TCG TGT	CCA GCC TTC CTC ATC TC
CX3CL1	Chemokine (C-X3-C motif) ligand 1	6376	ATG ACA TCA AAG ATA CCT GTA G	GAC CCA TTG CTC CTT CG
CYB5	cytochrome b-5	1528	GCA CCA CAA GGT GTA CG	GCC CGA CAT CCT CAA AG
DSC2 (EST8)	Desmocollin 2	1824	GAA TGT GGA GAC TGA AAG CAA	CAA ATG GAG GAT CAT TCT GAT AGG
EGFR	Epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	1956	AGG ACA GCA TAG ACG ACA C	AGG ATT CTG CAC AGA GCC A
ERBB2	V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	2064	TCC TGT GTG GAC CTG GAT	TGC CGT CGC TTG ATG AG
ESR1	Estrogen receptor 1	2099	CATGATCAGGTCCACCTTCT	AGCAGCATGTCGAAGATCTC
FLJ14525	Hypothetical protein FLJ14525	84886	CCC TTT CTC CTG GGA AAC	GCT TTG GAC AGT GGT CT
FOXA1	Forkhead box A1	3169	GTTAGGAACTGTGAAGATGG	GCCGCTCGTAGTCATG
FZD7	Frizzled homolog 7 (Drosophila)	8324	AGC CAT TTT GTC CTG TTT TC	CCT TCC TCT TCG TTC ACT
GARS	Glycyl-tRNA synthetase	2617	AGG GAC CGT GAC TCA A	AAA CAG AGG ATA CCT GGC
GATA3	GATA binding protein 3	2625	AAC TGT CAG ACC ACC ACA A	GAA GTC CTC CAG TGA GTC AT
GRB7	Growth factor receptor-bound protein 7	2886	TCG ATG CAC ACA CTG GTA T	TTC ACA TCT GCC ACG TAC T
GSTP1	Glutathione S-transferase pi	2950	GGG CTC TAT GGG AAG G	GTT CTG GGA CAG CAG G
HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	3295	TGG GGC TAA GTG GAC TAT	TGC CTT CTG AGG GTC AA
KIAA0310	KIAA0310 gene product	9919	GCC CTT CTA CAA CCC TG	GCT CCA AGT GCA AGT TC
KIT	V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	3815	CAC GCA CCT GCT GAA AT	TCT ACC ACG GGC TTC TGT C
KRT17	Keratin 17	3872	GAG ATT GCC ACC TAC CG	GAG GAG ATG ACC TTG CC
KRT5	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)	3852	GGA GAA GGA GTT GGA CC	CCA CTG CTG CTG GAG TA
NAT1	N-acetyltransferase 1 (arylamine N-acetyltransferase)	9	ACA GCA CTC CAG CCA AA	CTG GTA TGA GCG TCC AAA C
PGR	Progesterone receptor	5241	AGC TCA CAG CGT TTC TAT C	TGT GCA GCA ATA ACT TCA GAC
PLOD1	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	5351	CGT GCC GAC TAT TGA CAT	GTA GCG GAC GAC AAA GG
PTP4A2	protein tyrosine phosphatase type IVA, member 2	8073	TCA AAG ATT CCA ACG GTC ATA G	TCT CAA GTT CCA CTT CCA GTA G
RABEP1	Rabaptin-5	9135	ATG TCA GTG AGC AAG TCC	GCT GGT TAA TGT CTG TCA GT
RARRES3	retinoic acid receptor responder (tazarotene induced) 3	5920	GCT GAG ATA TGG CAA GTC C	CTC CTA ATC GCA AAA GAG C
S100A11	S100 calcium binding protein A8 (calgranulin A)	6282	CAA AAA TCT CCA GCC CTA CA	TAA CCA TCC TTT CCA GCA TAC
SDC2	Syndecan 2 (heparan sulfate proteoglycan 1, cell surface-associated, fibroglycan)	6383	AAA CCA CGA CGC TGA AT	ATT TGT ATC CTC TTC GGC TG
SLC39A6	solute carrier family 39 (zinc transporter), member 6	25800	ACC ACC ATA GTC ATA GCC	CAT ACT TGG ACA ACT GCT TC
SLC7A5	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	8057	AGC GTT TTA CAC CTA TCC C	CCA CGA AGA ACC AGT AGC
SLPI	secretory leukocyte protease inhibitor (antileukoproteinase)	6590	GTG TGG GAA ATC CTG CG	GTG GTG GAG CCA AGT CT
SMA3	SMA3	10571	CCG TAC CTG ATG CAC GAA	GTG CCC GTA GTT GCG ATA
TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP	6890	AAG ACA CTC AAC CAG AAG G	GGT AGA GAA CAA ATG TGA CAA GG
TRIM29	Tripartite motif-containing 29	23650	AAC AAC TAC ACG AAC AGC	ATT CTT CTG GGT GGT CTC
XBP1	X-box binding protein 1	7494	CTG TTG GGC ATT CTG GAC	GGA GGC TGG TAA GGA AGT
Proliferation genes				
BIRC5	baculoviral IAP repeat-containing 5 (survivin)	332	CGA CCC CAT AGA GGA ACA TAA	TTC TTG ACA GAA AGG AAA GCG
BUB1	budding uninhibited by benzimidazoles 1 homolog (yeast)	699	CAC TTG GGA CTG TTG ATG	TGG ATA GGA ACT CAC TGG T
CENPF	Centromere protein F, 350/400ka (mitosin)	1063	CCA CTG AGT CTC GGC AA	ATT TCG TGG TGG GTT CT
CKS2	CDC28 protein kinase regulatory subunit 2	1164	TGG AGG AGA CTT GGT GT	GAA TAT GTG GTT CTG GCT CA
FAM54A (=DUFD1)	family with sequence similarity 54, member A	119115	GTG GAA ATG CAG GAA CTG AA	GCT CGT CAC TCA AGC CAA
GTPBP4	GTP binding protein 4	23560	GGT GTT GAC ATG GAC GAT AA	CTT CCC GCT TTC TTT TCC TA
HSPA14	heat shock 70kDa protein 14	51182	GTT TAG AAG CAA TCA GAG GAC T	CCT CCA CAA AGG ACA ACC
MKI67	Antigen identified by monoclonal antibody Ki-67	4288	TCA GAC TCC ATG TGC CT	CTT CAC TGT CCC TAT GAC TTC
MYBL2	v-myb myeloblastosis viral oncogene homolog (avian)-like 2	4605	CAC ACT GCC CAA GTC TCT A	AAG CTG TTG TCT TCT TTG ATA CC
NEK2	NIMA (never in mitosis gene a)-related kinase 2	4751	AGC TTG GAG ACT TTG GG	GTA ATA AGG TGT GCC AAC AAA T
PCNA	Proliferating cell nuclear antigen	5111	GTC ACA GAC AAG TAA TGT CG	TAC TGA GTG TCA CCG TT
STK6	serine/threonine kinase 6	6790	CTT ACT GTC ATT CGA AGA GAG TT	ATG CAT CCG ACC TTC AAT C
TOP2A	Topoisomerase (DNA) II alpha 170kDa	7153	AAG CAC ATC AGG TGA AAA AT	TAC CAC AGC CAA TGG CA
TTK	TTK protein kinase	7272	ACG GAA TCA AGT CTT CTA GC	TGC CAC TGT TTC TGG TTA C
Housekeeper genes				
MRPL19	Mitochondrial ribosomal protein L19	9801	GGG ATT TGC ATT CAG AGA TCA G	GGA AGG GCA TCT CGT AAG
PSMC4	Proteasome (prosome, macropain) 26S subunit, ATPase, 4	5704	GGC ATG GAC ATC CAG AAG	CCA CGA CCC GGA TGA AT
PUM1	Pumilio homolog 1 (Drosophila)	9698	TGAGGTGTGCACCATGAAC	CAGAATGTGCTTGCCATAGG

Table 9.

45 Paired Samples for Intrinsic Analysis from Sorlie et al. 2003

shaz111.BC.FUMI05.AF
shaz110.BC.FUMI05.BE
shaz105.BC.FUMI06.AF
shaz104.BC.FUMI06.BE
shaz117.BC.FUMI07.AF
shaz116.BC.FUMI07.BE
shby032.BC.FUMI20.AF
shby020.BC.FUMI20.BE
shaz123.BC.FUMI27.AF
shaz122.BC.FUMI27.BE
shaz115.BC.FUMI35.AF
shaz114.BC.FUMI35.BE
shaz127.BC.FUMI37.AF
shaz126.BC.FUMI37.BE
svl012..BC104A.BE
svl013..BC104B.AF
svl005..BC106A.AF
svl006..BC106B.BE
svcc63..BC107A.AF
svcc98..BC107B.BE
svl003..BC108A.BE
svl004..BC108B.AF
svcc77..BC110A.AF
svcc78..BC110B.BE
svcc97..BC112A.AF
svcc53..BC112B.BE
svcc81..BC114A.BE
svcc52..BC114B.AF
svcc64..BC115A.AF
svcc106.BC115B.BE
svcc112.BC118A.AF
svcc134.BC118B.BE
svl015..BC119A.BE
svl014..BC119B.AF
svl027..BC120A.BE
svl028..BC120B.AF
svl017..BC121A.AF
svl016..BC121B.BE
svcc91..BC123A.AF
svcc89..BC123B.BE
svcc111.BC124A.BE
svcc109.BC124B.AF
svl018..BC125A.BE
svl019..BC125B.AF
svcc96..BC2
svcc113.BC2.LN2
svcc93..BC206A.BE
svcc135.BC206B.AF
svcc107.BC208A.BE

Table 9. (cont'd)

svcc125.BC208B.AF
svcc79..BC213A.AF
svcc76..BC213B.BE
svcc103.BC214A.AF
svcc92..BC214B.BE
svl021..BC303A.AF
svl020..BC303B.BE
svcc131.BC305A.BE
svcc58..BC305B.AF
svl032..BC307A.AF
svl103..BC307B.BE
svcc115.BC38
svcc116.BC38.LN38
svcc66..BC402B.AF
svcc83..BC402B.BE
svcc36..BC404A.AF
svl033..BC404B.BE
svl029..BC405A.BE
svl030..BC405B.AF
shby035.BC601A.BE
shby036.BC601B.AF
svl042..BC608A.AF
svl036..BC608B.BE
svl040..BC702A.AF
svl041..BC702B.BE
shby034.BC703A.AF
shby037.BC703B.BE
svl039..BC706A.BE
svl038..BC706B.AF
svcc86..BC708A.AF
svcc104.BC708B.BE
svcc85..BC709A.AF
svcc84..BC709B.BE
svcc101.BC710A.BE
svcc82..BC710B.AF
svcc65..BC711A.AF
svcc120.BC711B.BE
svcc105.BC805A.BE
svcc121.BC805B.AF
svcc126.BC808A.AF
svcc124.BC808A.BE.

Table 10

Gene	OS~Gene	OS~Gene+Grade	OS~Gene+Stage	OS~Gene+Grade+Stage	Prolif. Gene
SMA3	0.0010086	0.00814571	0.000398174	0.00357674	NO
KIT	0.000332738	0.00154407	0.00272027	0.00672142	NO
GTPBP4	0.00445804	0.0307721	0.00150072	0.0112402	YES
COX6C	0.00289023	0.00951953	0.0028745	0.0125619	NO
CX3CL1	0.00217324	0.00425494	0.0181299	0.0152864	NO
KRT17	0.0321012	0.0420179	0.0233713	0.015837	NO
B3GNT5	0.032762	0.117857	0.00427977	0.02214	NO
PLOD	0.00730183	0.0152132	0.052899	0.0406316	NO
SLPI	0.0533249	0.0795638	0.0372877	0.0608959	NO
DSC2	0.0432628	0.19777	0.0199733	0.0720347	NO
GRB7	0.0023925	0.00997476	0.0212037	0.076893	NO
TRIM29	0.0758398	0.0969003	0.10943	0.0808424	NO
STK6	0.0353601	0.192395	0.0169665	0.0990307	YES
BUB1	0.0572953	0.237675	0.0218123	0.123044	YES
NAT1	0.0127223	0.0791954	0.0189787	0.135405	NO
CYB5	0.0557461	0.287241	0.0273843	0.137872	NO
PTP4A2	0.160424	0.0858591	0.342854	0.138471	NO
TTK	0.110921	0.45438	0.0192107	0.143497	YES
HSPA14	0.391113	0.8142	0.0511814	0.144083	YES
GATA3	0.0324598	0.289619	0.0175668	0.157456	NO
ESR1	0.030409	0.145509	0.0405537	0.184542	NO
SLC39A6	0.0733459	0.430962	0.024724	0.207555	NO
ERBB2	0.0459011	0.0828308	0.169867	0.24427	NO
FOXA1	0.110671	0.4427	0.094167	0.330446	NO
EGFR	0.145898	0.183089	0.3197	0.357336	NO
DUFD1	0.378603	0.985614	0.0888335	0.359478	YES
MYBL2	0.0399249	0.176578	0.0716375	0.361422	YES
S100A11	0.34613	0.556875	0.230849	0.363064	NO
XBP1	0.045776	0.268606	0.0926021	0.400871	NO
TOP2A	0.240971	0.655786	0.0969129	0.404568	YES
KIAA0310	0.484382	0.772587	0.342042	0.406749	NO
KRT5	0.985088	0.984712	0.641471	0.409027	NO
BF	0.046196	0.204647	0.105472	0.463932	NO
GSTP1	0.687906	0.677131	0.557251	0.465849	NO
FZD7	0.594194	0.90597	0.384141	0.47759	NO
NEK2	0.46014	0.932809	0.172718	0.500592	YES
TAP1	0.663093	0.482788	0.541857	0.534398	NO
FLJ14525	0.17537	0.17907	0.613531	0.561022	NO
ACADSB	0.0698192	0.387308	0.118621	0.576123	NO
GARS	0.709987	0.923267	0.902252	0.630522	NO
BIRC5	0.397737	0.975853	0.170876	0.632892	YES
HSD17B4	0.206242	0.395994	0.305472	0.635554	NO
MKI67	0.311764	0.709371	0.195635	0.640833	YES
PCNA	0.868635	0.731512	0.557926	0.645851	YES
PGR	0.355079	0.965257	0.181127	0.681739	NO
RABEP1	0.543773	0.963589	0.377702	0.682359	NO
SLC7A6	0.432451	0.689547	0.419107	0.685462	NO
SDC2	0.47607	0.37331	0.914923	0.689713	NO
CKS2	0.936337	0.36756	0.180917	0.763492	YES
DP1	0.149164	0.576409	0.32648	0.839276	NO

CENPF	0.19591	0.730895	0.203913	0.8435	YES
CDK2AP1	0.711736	0.908545	0.835195	0.883836	NO
RARRES3	0.0189691	0.107372	0.398642	0.943889	NO

TABLE 12.

Rank	UGCluster	Symbol	Gene Name
1	Hs.163484	FOXA1	Forkhead box A1 || NM_004496 || 14q12-q13
2	Hs.446352	ERBB2	V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) || NM_001005862 || 17q11.2-q12
3	Hs.496240	AR	Androgen receptor (dihydrotestosterone receptor; testicular feminization; spinal and bulbar muscular atrophy; Kennedy disease) || NM_000044 || Xq11.2-q12
4	Hs.387057	FLJ13710	Hypothetical protein FLJ13710 || BX641106 || 15q23
5	Hs.437638	XBP1	X-box binding protein 1 || AK093842 || 22q12.1
6	Hs.348883	FOXC1	Forkhead box C1 || NM_001453 || 6p25
7	Hs.82961	TFF3	Trefoil factor 3 (intestinal) || BU536516 || 21q22.3
8	Hs.155956	NAT1	N-acetyltransferase 1 (arylamine N-acetyltransferase) || BC013732 || 8p23.1-p21.3
9	Hs.100686	BCMP11	Breast cancer membrane protein 11 || BG540617 || 7p21.1
10	Hs.524134	GATA3	GATA binding protein 3 || NM_001002295 || 10p15
11	Hs.530009	AGR2	Anterior gradient 2 homolog (Xenopus laevis) || BM924878 || 7p21.3
12	Hs.208124	ESR1	Estrogen receptor 1 || NM_000125 || 6q25.1
13	Hs.523468	SCUBE2	Signal peptide, CUB domain, EGF-like 2 || NM_020974 || 11p15.3
14	Hs.469649	BUB1	BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast) || AF053305 || 2q14
15	Hs.79136	SLC39A6	Solute carrier family 39 (zinc transporter), member 6 || NM_012319 || 18q12.2
16	Hs.144197	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase) || NM_003360 || 4q26
17	Hs.27373	LOC40045	Hypothetical gene supported by AK075564; BC060873 || NM_207446 || 15q26.1
18	Hs.414407	KNTC2	Kinetochore associated 2 || NM_006101 || 18p11.32
19	Hs.115838	TMC5	Transmembrane channel-like 5 || AY358155 || 16p12.3
20	Hs.210995	CA12	Carbonic anhydrase XII || NM_001218 || 15q22
21	Hs.532968	DKFZp762	Hypothetical protein DKFZp762E1312 || AK074809 || 2q37.1
22	Hs.514527	BIRC5	Baculoviral IAP repeat-containing 5 (survivin) || NM_001012271 || 17q25
23	Hs.62180	ANLN	Anillin, actin binding protein (scraps homolog, Drosophila) || NM_018685 || 7p15-p14
24	Hs.14559	C10orf3	Chromosome 10 open reading frame 3 || NM_018131 || 10q23.33
25	Hs.76277	C19orf32	Chromosome 19 open reading frame 32 || BC008201 || 19p13.3
26	Hs.194698	CCNB2	Cyclin B2 || AK023404 || 15q22.2
27	Hs.520189	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast) || AL833001 || 6p21.1-p12.1
28	Hs.504301	LOC12022	Transmembrane protein 45B || NM_138788 || 11q24.3
29	Hs.169840	TTK	TTK protein kinase || NM_003318 || 6q13-q21
30	Hs.87417	CTSL2	Cathepsin L2 || BC067289 || 9q22.2
31	Hs.1594	CENPA	Centromere protein A, 17kDa || BM911202 || 2p24-p21
32	Hs.127407	GALNT7	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 (GalNAc-T7) || BC047468 || 4q31.1
33	Hs.260720	DNAJC12	DnaJ (Hsp40) homolog, subfamily C, member 12 || NM_021800 || 10q22.1
34	Hs.102406	MLPH	Melanophilin || AK096789 || 2q37.3
35	Hs.692	TACSTD1	Tumor-associated calcium signal transducer 1 || AK026585 || 2p21
36	Hs.524947	CDC20	CDC20 cell division cycle 20 homolog (S. cerevisiae) || BG256659 || 1p34.1
37	Hs.99949	PIP	Prolactin-induced protein || BF965123 || 7q34
38	Hs.470654	CDCA7	Cell division cycle associated 7 || AL834186 || 2q31
39	Hs.279651	MIA	Melanoma inhibitory activity || BG765502 || 19q13.32-q13.33

40	Hs.205952	LOC201895 || Hypothetical protein LOC201895 || BC047541 || 4p14
41	Hs.267659	VAV3 || Vav 3 oncogene || NM_006113 || 1p13.3
42	Hs.86859	GRB7 || Growth factor receptor-bound protein 7 || NM_005310 || 17q12
43	Hs.93002	UBE2C || Ubiquitin-conjugating enzyme E2C || BC032677 || 20q13.12
44	Hs.271224	PH-4 || Hypoxia-inducible factor prolyl 4-hydroxylase || NM_017732 || 3p21.31
45	Hs.24976	ART3 || ADP-ribosyltransferase 3 || AK129914 || 4p15.1-p14
46	Hs.184339	MELK || Maternal embryonic leucine zipper kinase || NM_014791 || 9p13.2
47	Hs.524571	CDCA8 || Cell division cycle associated 8 || BC000703 || 1p34.3
48	Hs.406050	DNALI1 || Dynein, axonemal, light intermediate polypeptide 1 || AK126963 || 1p35.1
49	Hs.152385	FLJ10980 || Hypothetical protein FLJ10980 || BC040548 || 15q21.2-q21.3
50	Hs.523220	RAD54L || RAD54-like (S. cerevisiae) || NM_003579 || 1p32
51	Hs.406013	KRT18 || Keratin 18 || CR616919 || 12q13
52	Hs.487036	MYO5C || Myosin VC || NM_018728 || 15q21
53	Hs.494496	FBP1 || Fructose-1,6-bisphosphatase 1 || AK223395 || 9q22.3
54	Hs.474217	CDC45L || CDC45 cell division cycle 45-like (S. cerevisiae) || BM478416 || 22q11.21
55	Hs.189119	CXXC5 || CXXC finger 5 || NM_016463 || 5q31.2
56	Hs.284153	FANCA || Fanconi anemia, complementation group A || NM_000135 || 16q24.3
57	Hs.531941	MYB || V-myb myeloblastosis viral oncogene homolog (avian) || AJ606319 || 6q22-q23
58	Hs.549195	OGFRL1 || Opioid growth factor receptor-like 1 || NM_024576 || 6q13
59	Hs.69360	KIF2C || Kinesin family member 2C || NM_006845 || 1p34.1
60	Hs.226390	RRM2 || Ribonucleotide reductase M2 polypeptide || AK123010 || 2p25-p24
61	Hs.250822	STK6 || Serine/threonine kinase 6 || NM_198433 || 20q13.2-q13.3
62	Hs.490655	ARP3BETA || Actin-related protein 3-beta || AB209174 || 7q32-q36
63	Hs.516297	TCF7L1 || Transcription factor 7-like 1 (T-cell specific, HMG-box) || AK128630 || 2p11.2
64	Hs.252387	CELSR1 || Cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila) || AF231024 || 22q13.3
65	Hs.179718	MYBL2 || V-myb myeloblastosis viral oncogene homolog (avian)-like 2 || BX647151 || 20q13.1
66	Hs.201034	NTN4 || Netrin 4 || AF278532 || 12q22-q23
67	Hs.42645	SLC16A6 || Solute carrier family 16 (monocarboxylic acid transporters), member 6 || NM_004694 || 17q24.2
68	Hs.66762	C10orf38 || Chromosome 10 open reading frame 38 || AL050367 || 10p13
69	Hs.231320	GPR160 || G protein-coupled receptor 160 || AJ249248 || 3q26.2-q27
70	Hs.517549	PIB5PA || Phosphatidylinositol (4,5) bisphosphate 5-phosphatase, A || AK092859 || 22q11.2-q13.2
71	Hs.370549	BCL11A || B-cell CLL/lymphoma 11A (zinc finger protein) || NM_022893 || 2p16.1
72	Hs.96055	E2F1 || E2F transcription factor 1 || BC050369 || 20q11.2
73	Hs.505469	RACGAP1 || Rac GTPase activating protein 1 || NM_013277 || 12q13.12
74	Hs.436187	TRIP13 || Thyroid hormone receptor interactor 13 || NM_004237 || 5p15.33
75	Hs.5199	HSPC150 || Ubiquitin-conjugating enzyme E2T (putative) || BF690859 || 1q32.1
76	Hs.529181	CAPN13 || Calpain 13 || BX647678 ||
77	Hs.49433	PTE2B || Peroxisomal acyl-CoA thioesterase 2B || AK055797 || 14q24.3
78	Hs.459362	PRC1 || Protein regulator of cytokinesis 1 || NM_003981 || 15q26.1
79	Hs.485158	SPDEF || SAM pointed domain containing ets transcription factor || BC021299 || 6p21.3

80	Hs.262811	KIAA1324	Maba1 || AB037745 || 1p13.3
81	Hs.213424	SFRP1	Secreted frizzled-related protein 1 || BC036503 || 8p12-p11.1
82	Hs.364544	TM4SF13	Tetraspanin 13 || AK128509 || 7p21.1
83	Hs.533185	MAD2L1	MAD2 mitotic arrest deficient-like 1 (yeast) || BQ215664 || 4q27
84	Hs.153704	NEK2	NIMA (never in mitosis gene a)-related kinase 2 || BC043502 || 1q32.2-q41
85	Hs.105547	NPDC1	Neural proliferation, differentiation and control, 1 || AK054950 || 9q34.3
86	Hs.489353	GPSM2	G-protein signalling modulator 2 (AGS3-like, C. elegans) || NM_013296 || 1p13.3
87	Hs.77695	DLG7	Discs, large homolog 7 (Drosophila) || NM_014750 || 14q22.3
88	Hs.529285	SLC40A1	Solute carrier family 40 (iron-regulated transporter), member 1 || NM_014585 || 2q32
89	Hs.49760	ORC6L	Origin recognition complex, subunit 6 homolog-like (yeast) || NM_014321 || 16q12
90	Hs.498248	EXO1	Exonuclease 1 || NM_130398 || 1q42-q43
91	Hs.73625	KIF20A	Kinesin family member 20A || AK025790 || 5q31
92	Hs.165904	EPN3	Epsin 3 || AK000785 || 17q21.33
93	Hs.350966	PTTG1	Pituitary tumor-transforming 1 || BQ278502 || 5q35.1
94	Hs.199487	RERG	RAS-like, estrogen-regulated, growth inhibitor || BC007997 || 12p12.3
95	Hs.351344	TMEM25	Transmembrane protein 25 || AK124814 || 11q23.3
96	Hs.487296	PHGDH	Phosphoglycerate dehydrogenase || AK093306 || 1p12
97	Hs.396783	SLC9A3R1	Solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1 || BX648303 || 17q25.1
98	Hs.404323	FLJ10156	Family with sequence similarity 64, member A || CR590914 || 17p13.2
99	Hs.269109	SEMA3C	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C || NM_006379 || 7q21-q31
100	Hs.234545	CDCA1	Cell division cycle associated 1 || NM_145697 || 1q23.3

TABLE 13

7P-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
1	Hs.163484	Forkhead box A1	Forkhead box A1 || NM_004496 || 14q12-q13	AGI_HUM1_OLIGO_A_23_P37127		
2	Hs.446352	V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncoger	V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogei	AGI_HUM1_OLIGO_A_23_P89249		
3	Hs.496240	Androgen receptor (dihydrotestosterone receptor; testicular feminization; spinal and bulbar musc	Androgen receptor (dihydrotestosterone receptor; testicular feminization; spinal and bulbar musc	AGI_HUM1_OLIGO_A_23_P113111		
4	Hs.387057	Hypothetical protein FLJ13710	Hypothetical protein FLJ13710 || BX641106 || 15q23	AGI_HUM1_OLIGO_A_23_P148249		
5	Hs.437638	X-box binding protein 1	X-box binding protein 1 || AK093842 || 22q12.1	AGI_HUM1_OLIGO_A_23_P120845		
6	Hs.348883	Forkhead box C1	Forkhead box C1 || NM_001453 || 6p25	AGI_HUM1_OLIGO_A_23_P390504		
7	Hs.82961	Trefoil factor 3 (intestinal)	Trefoil factor 3 (intestinal) || BU536516 || 21q22.3	AGI_HUM1_OLIGO_A_23_P257296		
8	Hs.155956	N-acetyltransferase 1 (arylamine N-acetyltransferase)	N-acetyltransferase 1 (arylamine N-acetyltransferase) || BC013732 || 8p23.1-p21.3	AGI_HUM1_OLIGO_A_23_P85596		
9	Hs.100686	Breast cancer membrane protein 11	Breast cancer membrane protein 11 || BG540617 || 7p21.1	AGI_HUM1_OLIGO_A_23_P42811		
10	Hs.524134	GATA binding protein 3	GATA binding protein 3 || NM_001002295 || 10p15	AGI_HUM1_OLIGO_A_23_P75056		
11	Hs.530009	Anterior gradient 2 homolog (Xenopus laevis)	Anterior gradient 2 homolog (Xenopus laevis) || BM924878 || 7p21.3	AGI_HUM1_OLIGO_A_23_P31407		
12	Hs.208124	Estrogen receptor 1	Estrogen receptor 1 || NM_000125 || 6q25.1	AGI_HUM1_OLIGO_A_23_P309739	AGI_HUM1_OLIGO_A_23_P53308	
13	Hs.523468	Signal peptide, CUB domain, EGF-like 2	Signal peptide, CUB domain, EGF-like 2 || NM_020974 || 11p15.3	AGI_HUM1_OLIGO_A_23_P105144		
14	Hs.469649	BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast)	BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast) || AF053305 || 2q14	AGI_HUM1_OLIGO_A_23_P124417		
15	Hs.79136	Solute carrier family 39 (zinc transporter), member 6	Solute carrier family 39 (zinc transporter), member 6 || NM_012319 || 18q12.2	AGI_HUM1_OLIGO_A_23_P50167		
16	Hs.144197	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase) || NM_003360 || 4q2	AGI_HUM1_OLIGO_A_23_P61346		
17	Hs.27373	Hypothetical gene supported by AK075564; BC060873	Hypothetical gene supported by AK075564; BC060873 || NM_207446 || 15q26.1	AGI_HUM1_OLIGO_A_23_P100001		
18	Hs.414407	Kinetochore associated 2	Kinetochore associated 2 || NM_006101 || 18p11.32	AGI_HUM1_OLIGO_A_23_P50108		
19	Hs.115838	Transmembrane channel-like 5	Transmembrane channel-like 5 || AY358155 || 16p12.3	AGI_HUM1_OLIGO_A_23_P15101		
20	Hs.210995	Carbonic anhydrase XII	Carbonic anhydrase XII || NM_001218 || 15q22	AGI_HUM1_OLIGO_A_23_P151956	AGI_HUM1_OLIGO_A_23_P163336	
21	Hs.532968	Hypothetical protein DKFZp762E1312	Hypothetical protein DKFZp762E1312 || AK074809 || 2q37.1	AGI_HUM1_OLIGO_A_23_P79429		
22	Hs.514527	Baculoviral IAP repeat-containing 5 (survivin)	Baculoviral IAP repeat-containing 5 (survivin) || NM_001012271 || 17q25	AGI_HUM1_OLIGO_A_23_P118815		
23	Hs.62180	Anillin, actin binding protein (scraps homolog, Drosophila)	Anillin, actin binding protein (scraps homolog, Drosophila) || NM_018685 || 7p15-p14	AGI_HUM1_OLIGO_A_23_P157099		
24	Hs.14559	Chromosome 10 open reading frame 3	Chromosome 10 open reading frame 3 || NM_018131 || 10q23.33	AGI_HUM1_OLIGO_A_23_P115872		
25	Hs.76277	Chromosome 19 open reading frame 32	Chromosome 19 open reading frame 32 || BC008201 || 19p13.3	AGI_HUM1_OLIGO_A_23_P90510		
26	Hs.194698	Cyclin B2	Cyclin B2 || AK023404 || 15q22.2	AGI_HUM1_OLIGO_A_23_P65757		
27	Hs.520189	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast	AGI_HUM1_OLIGO_A_23_P155498		
28	Hs.504301	Transmembrane protein 45B	Transmembrane protein 45B || NM_138788 || 11q24.3	AGI_HUM1_OLIGO_A_23_P1682		
29	Hs.169840	TTK protein kinase	TTK protein kinase || NM_003318 || 6q13-q21	AGI_HUM1_OLIGO_A_23_P259586		
30	Hs.87417	Cathepsin L2	Cathepsin L2 || BC067289 || 9q22.2	AGI_HUM1_OLIGO_A_23_P146456		
31	Hs.1594	Centromere protein A, 17kDa	Centromere protein A, 17kDa || BM911202 || 2p24-p21	AGI_HUM1_OLIGO_A_23_P108910		
32	Hs.127407	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 (GalNAc	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 (GalNAc	AGI_HUM1_OLIGO_A_23_P144384		
33	Hs.260720	DnaJ (Hsp40) homolog, subfamily C, member 12	DnaJ (Hsp40) homolog, subfamily C, member 12 || NM_021800 || 10q22.1	AGI_HUM1_OLIGO_A_23_P127220		
34	Hs.102406	Melanophilin	Melanophilin || AK096789 || 2q37.3	AGI_HUM1_OLIGO_A_23_P154400		
35	Hs.692	Tumor-associated calcium signal transducer 1	Tumor-associated calcium signal transducer 1 || AK026585 || 2p21	AGI_HUM1_OLIGO_A_23_P91081		
36	Hs.524947	CDC20 cell division cycle 20 homolog (S. cerevisiae)	CDC20 cell division cycle 20 homolog (S. cerevisiae) || BG256659 || 1p34.1	AGI_HUM1_OLIGO_A_23_P149195		
37	Hs.99949	Prolactin-induced protein	Prolactin-induced protein || BF965123 || 7q34	AGI_HUM1_OLIGO_A_23_P8702		
38	Hs.470654	Cell division cycle associated 7	Cell division cycle associated 7 || AL834186 || 2q31	AGI_HUM1_OLIGO_A_23_P251421		
39	Hs.279651	Melanoma inhibitory activity	Melanoma inhibitory activity || BG765502 || 19q13.32-q13.33	AGI_HUM1_OLIGO_A_23_P4714		
40	Hs.205952	Hypothetical protein LOC201895	Hypothetical protein LOC201895 || BC047541 || 4p14	AGI_HUM1_OLIGO_A_23_P112634		
41	Hs.267659	Vav 3 oncogene	Vav 3 oncogene || NM_006113 || 1p13.3	AGI_HUM1_OLIGO_A_23_P201551		
42	Hs.96859	Growth factor receptor-bound protein 7	Growth factor receptor-bound protein 7 || NM_005310 || 17q12	AGI_HUM1_OLIGO_A_23_P163989		
43	Hs.93002	Ubiquitin-conjugating enzyme E2C	Ubiquitin-conjugating enzyme E2C || BC032677 || 20q13.12	AGI_HUM1_OLIGO_A_23_P143207		
44	Hs.271224	Hypoxia-inducible factor prolyl 4-hydroxylase	Hypoxia-inducible factor prolyl 4-hydroxylase || NM_017732 || 3p21.31	AGI_HUM1_OLIGO_A_23_P113317		
45	Hs.24976	ADP-ribosyltransferase 3	ADP-ribosyltransferase 3 || AK129914 || 4p15.1-p14	AGI_HUM1_OLIGO_A_23_P80918		
46	Hs.184339	Maternal embryonic leucine zipper kinase	Maternal embryonic leucine zipper kinase || NM_014791 || 9p13.2	AGI_HUM1_OLIGO_A_23_P94422		
47	Hs.524571	Cell division cycle associated 8	Cell division cycle associated 8 || BC000703 || 1p34.3	AGI_HUM1_OLIGO_A_23_P375		
48	Hs.406050	Dynein, axonemal, light intermediate polypeptide 1	Dynein, axonemal, light intermediate polypeptide 1 || AK126963 || 1p35.1	AGI_HUM1_OLIGO_A_23_P160377		
49	Hs.152385	Hypothetical protein FLJ10980	Hypothetical protein FLJ10980 || BC040548 || 15q21.2-q21.3	AGI_HUM1_OLIGO_A_23_P99853		
50	Hs.523220	RAD54-like (S. cerevisiae)	RAD54-like (S. cerevisiae) || NM_003579 || 1p32	AGI_HUM1_OLIGO_A_23_P74115		
51	Hs.406013	Keratin 18	Keratin 18 || CR616919 || 12q13	AGI_HUM1_OLIGO_A_23_P122650	AGI_HUM1_OLIGO_A_23_P99324	
52	Hs.487036	Myosin VC	Myosin VC || NM_018728 || 15q21	AGI_HUM1_OLIGO_A_23_P140434		
53	Hs.494496	Fructose-1,6-bisphosphatase 1	Fructose-1,6-bisphosphatase 1 || AK223395 || 9q22.3	AGI_HUM1_OLIGO_A_23_P257111		
54	Hs.474217	CDC45 cell division cycle 45-like (S. cerevisiae)	CDC45 cell division cycle 45-like (S. cerevisiae) || BM478416 || 22q11.21	AGI_HUM1_OLIGO_A_23_P57379		
55	Hs.189119	CXXC finger 5	CXXC finger 5 || NM_016463 || 5q31.2	AGI_HUM1_OLIGO_A_23_P213580		
56	Hs.284153	Fanconi anemia, complementation group A	Fanconi anemia, complementation group A || NM_000135 || 16q24.3	AGI_HUM1_OLIGO_A_23_P206441		
57	Hs.531941	V-myb myeloblastosis viral oncogene homolog (avian)	V-myb myeloblastosis viral oncogene homolog (avian) || AJ606319 || 6q22-q23	AGI_HUM1_OLIGO_A_23_P31073		
58	Hs.549195	Opioid growth factor receptor-like 1	Opioid growth factor receptor-like 1 || NM_024576 || 6q13	AGI_HUM1_OLIGO_A_23_P7791		

7P-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
59	Hs.69360	Kinesin family member 2C	Kinesin family member 2C || NM_006845 || 1p34.1	AGI_HUM1_OLIGO_A_23_P34788		
60	Hs.226390	Ribonucleotide reductase M2 polypeptide	Ribonucleotide reductase M2 polypeptide || AK123010 || 2p25-p24	AGI_HUM1_OLIGO_A_23_P136222		
61	Hs.250822	Serine/threonine kinase 6	Serine/threonine kinase 6 || NM_198433 || 20q13.2-q13.3	AGI_HUM1_OLIGO_A_23_P131866		
62	Hs.490655	Actin-related protein 3-beta	Actin-related protein 3-beta || AB209174 || 7q32-q36	AGI_HUM1_OLIGO_A_23_P123193		
63	Hs.516297	Transcription factor 7-like 1 (T-cell specific, HMG-box)	Transcription factor 7-like 1 (T-cell specific, HMG-box) || AK128630 || 2p11.2	AGI_HUM1_OLIGO_A_23_P142872		
64	Hs.252387	Cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	Cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila) || AF231024	AGI_HUM1_OLIGO_A_23_P132378		
65	Hs.179718	V-myb myeloblastosis viral oncogene homolog (avian)-like 2	V-myb myeloblastosis viral oncogene homolog (avian)-like 2 || BX647151 || 20q13.1	AGI_HUM1_OLIGO_A_23_P143184		
66	Hs.201034	Netrin 4	Netrin 4 || AF278532 || 12q22-q23	AGI_HUM1_OLIGO_A_23_P204630		
67	Hs.42645	Solute carrier family 16 (monocarboxylic acid transporters), member 6	Solute carrier family 16 (monocarboxylic acid transporters), member 6 || NM_004694 || 17q24.2	AGI_HUM1_OLIGO_A_23_P152791		
68	Hs.66762	Chromosome 10 open reading frame 38	Chromosome 10 open reading frame 38 || AL050367 || 10p13	AGI_HUM1_OLIGO_A_23_P44964		
69	Hs.231320	G protein-coupled receptor 160	G protein-coupled receptor 160 || AJ249248 || 3q26.2-q27	AGI_HUM1_OLIGO_A_23_P167005		
70	Hs.517549	Phosphatidylinositol (4,5) bisphosphate 5-phosphatase, A	Phosphatidylinositol (4,5) bisphosphate 5-phosphatase, A || AK092859 || 22q11.2-q13.2	AGI_HUM1_OLIGO_A_23_P91669		
71	Hs.370549	B-cell CLL/lymphoma 11A (zinc finger protein)	B-cell CLL/lymphoma 11A (zinc finger protein) || NM_022893 || 2p16.1	AGI_HUM1_OLIGO_A_23_P218584		
72	Hs.96055	E2F transcription factor 1	E2F transcription factor 1 || BC050369 || 20q11.2	AGI_HUM1_OLIGO_A_23_P80032		
73	Hs.505469	Rac GTPase activating protein 1	Rac GTPase activating protein 1 || NM_013277 || 12q13.12	AGI_HUM1_OLIGO_A_23_P65110		
74	Hs.436187	Thyroid hormone receptor interactor 13	Thyroid hormone receptor interactor 13 || NM_004237 || 5p15.33	AGI_HUM1_OLIGO_A_23_P157607		
75	Hs.5199	Ubiquitin-conjugating enzyme E2T (putative)	Ubiquitin-conjugating enzyme E2T (putative) || BF660859 || 1q32.1	AGI_HUM1_OLIGO_A_23_P115482		
76	Hs.529181	Calpain 13	Calpain 13 || BX647676 ||	AGI_HUM1_OLIGO_A_23_P101972		
77	Hs.49433	Peroxisomal acyl-CoA thioesterase 2B	Peroxisomal acyl-CoA thioesterase 2B || AK055797 || 14q24.3	AGI_HUM1_OLIGO_A_23_P14515		
78	Hs.459362	Protein regulator of cytokinesis 1	Protein regulator of cytokinesis 1 || NM_003981 || 15q26.1	AGI_HUM1_OLIGO_A_23_P206059		
79	Hs.485158	SAM pointed domain containing ets transcription factor	SAM pointed domain containing ets transcription factor || BC021299 || 6p21.3	AGI_HUM1_OLIGO_A_23_P111194		
80	Hs.262811	Maba1	Maba1 || AB037745 || 1p13.3	AGI_HUM1_OLIGO_A_23_P115392		
81	Hs.213424	Secreted frizzled-related protein 1	Secreted frizzled-related protein 1 || BC036503 || 8p12-p11.1	AGI_HUM1_OLIGO_A_23_P10121		
82	Hs.364544	Tetraspanin 13	Tetraspanin 13 || AK126509 || 7p21.1	AGI_HUM1_OLIGO_A_23_P168610		
83	Hs.533185	MAD2 mitotic arrest deficient-like 1 (yeast)	MAD2 mitotic arrest deficient-like 1 (yeast) || BC015664 || 4q27	AGI_HUM1_OLIGO_A_23_P92441		
84	Hs.153704	NIMA (never in mitosis gene a)-related kinase 2	NIMA (never in mitosis gene a)-related kinase 2 || BC043502 || 1q32.2-q41	AGI_HUM1_OLIGO_A_23_P35219		
85	Hs.105547	Neural proliferation, differentiation and control, 1	Neural proliferation, differentiation and control, 1 || AK054950 || 9q34.3	AGI_HUM1_OLIGO_A_23_P146565		
86	Hs.489353	G-protein signalling modulator 2 (AGS3-like, C. elegans)	G-protein signalling modulator 2 (AGS3-like, C. elegans) || NM_013295 || 1p13.3	AGI_HUM1_OLIGO_A_23_P63402		
87	Hs.77695	Discs, large homolog 7 (Drosophila)	Discs, large homolog 7 (Drosophila) || NM_014750 || 14q22.3	AGI_HUM1_OLIGO_A_23_P88331		
88	Hs.529285	Solute carrier family 40 (iron-regulated transporter), member 1	Solute carrier family 40 (iron-regulated transporter), member 1 || NM_014585 || 2q32	AGI_HUM1_OLIGO_A_23_P102391		
89	Hs.49760	Origin recognition complex, subunit 6 homolog-like (yeast)	Origin recognition complex, subunit 6 homolog-like (yeast) || NM_014321 || 16q12	AGI_HUM1_OLIGO_A_23_P100344		
90	Hs.498248	Exonuclease 1	Exonuclease 1 || NM_130398 || 1q42-q43	AGI_HUM1_OLIGO_A_23_P23303		
91	Hs.73625	Kinesin family member 20A	Kinesin family member 20A || AK025790 || 5q31	AGI_HUM1_OLIGO_A_23_P256956		
92	Hs.155904	Epsin 3	Epsin 3 || AK000785 || 17q21.33	AGI_HUM1_OLIGO_A_23_P130027		
93	Hs.350966	Pituitary tumor-transforming 1	Pituitary tumor-transforming 1 || BC027502 || 5q35.1	AGI_HUM1_OLIGO_A_23_P60024	AGI_HUM1_OLIGO_A_23_P7636	
94	Hs.199487	RAS-like, estrogen-regulated, growth inhibitor	RAS-like, estrogen-regulated, growth inhibitor || BC007997 || 12p12.3	AGI_HUM1_OLIGO_A_23_P204296		
95	Hs.351344	Transmembrane protein 25	Transmembrane protein 25 || AK124814 || 11q23.3	AGI_HUM1_OLIGO_A_23_P203115		
96	Hs.487296	Phosphoglycerate dehydrogenase	Phosphoglycerate dehydrogenase || AK093306 || 1p12	AGI_HUM1_OLIGO_A_23_P65780		
97	Hs.396783	Solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1	Solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1 || BX648303 || 17q25	AGI_HUM1_OLIGO_A_23_P152593		
98	Hs.404323	Family with sequence similarity 64, member A	Family with sequence similarity 64, member A || CR590914 || 17p13.2	AGI_HUM1_OLIGO_A_23_P49878		
99	Hs.269109	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C || NI	AGI_HUM1_OLIGO_A_23_P256473		
100	Hs.234545	Cell division cycle associated 1	Cell division cycle associated 1 || NM_145697 || 1q23.3	AGI_HUM1_OLIGO_A_23_P74349		
101	Hs.400556	Breast carcinoma amplified sequence 1	Breast carcinoma amplified sequence 1 || CR749643 || 20q13.2-q13.3	AGI_HUM1_OLIGO_A_23_P17420		
102	Hs.446438	G protein-coupled receptor, family C, group 5, member C	G protein-coupled receptor, family C, group 5, member C || AK131210 || 17q25	AGI_HUM1_OLIGO_A_23_P38167		
103	Hs.516727	RNA-binding protein	RNA-binding protein || BC071585 || 4p13-p12	AGI_HUM1_OLIGO_A_23_P132910		
104	Hs.501309	Cold inducible RNA binding protein	Cold inducible RNA binding protein || AK095781 || 19p13.3	AGI_HUM1_OLIGO_A_23_P142322		
105	Hs.121028	Asp (abnormal spindle)-like, microcephaly associated (Drosophila)	Asp (abnormal spindle)-like, microcephaly associated (Drosophila) || AY357065 || 1q31	AGI_HUM1_OLIGO_A_23_P52017		
106	Hs.421956	Spindle pole body component 25 homolog (S. cerevisiae)	Spindle pole body component 25 homolog (S. cerevisiae) || BC022255 || 2q24.3	AGI_HUM1_OLIGO_A_23_P51085		
107	Hs.155017	Nuclear receptor interacting protein 1	Nuclear receptor interacting protein 1 || NM_003489 || 21q11.2	AGI_HUM1_OLIGO_A_23_P211007		
108	Hs.18268	Adenylate kinase 5	Adenylate kinase 5 || NM_012093 || 1p31	AGI_HUM1_OLIGO_A_23_P200015		
109	Hs.436912	Kinesin family member C1	Kinesin family member C1 || XM_371613 || 6p21.3	AGI_HUM1_OLIGO_A_23_P133954		
110	Hs.226307	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B || AK024854 || 22q13.1-q1	AGI_HUM1_OLIGO_A_23_P109539		
111	Hs.469199	Ring finger protein 103	Ring finger protein 103 || NM_005667 || 2p11.2	AGI_HUM1_OLIGO_A_23_P56709		
112	Hs.13291	Cyclin G2	Cyclin G2 || AK092838 || 4q21.1	AGI_HUM1_OLIGO_A_23_P110122		
113	Hs.444637	Low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	Low density lipoprotein receptor-related protein 8, apolipoprotein e receptor || NM_004631 || 1p3	AGI_HUM1_OLIGO_A_23_P200222		
114	Hs.1892	Phenylethanolamine N-methyltransferase	Phenylethanolamine N-methyltransferase || NM_002686 || 17q21-q22	AGI_HUM1_OLIGO_A_23_P100842		
115	Hs.534367	Frizzled homolog 9 (Drosophila)	Frizzled homolog 9 (Drosophila) || BC026333 || 7q11.23	AGI_HUM1_OLIGO_A_23_P59613		
116	Hs.244580	TPX2, microtubule-associated protein homolog (Xenopus laevis)	TPX2, microtubule-associated protein homolog (Xenopus laevis) || NM_012112 || 20q11.2	AGI_HUM1_OLIGO_A_23_P68610		

TP-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
117	Hs.105687	Similar to common salivary protein 1	Similar to common salivary protein 1 || BU558247 || 16p13.3	AGI_HUM1_OLIGO_A_23_P118203		
118	Hs.254414	Serine-arginine repressor protein (35 kDa)	Serine-arginine repressor protein (35 kDa) || AK027365 || 6q15	AGI_HUM1_OLIGO_A_23_P110901		
119	Hs.479220	Prominin 1	Prominin 1 || AF117225 || 4p15.32	AGI_HUM1_OLIGO_A_23_P258462		
120	Hs.518055	Leucine-rich repeats and immunoglobulin-like domains 1	Leucine-rich repeats and immunoglobulin-like domains 1 || BC071561 || 3p14	AGI_HUM1_OLIGO_A_23_P109836		
121	Hs.129691	Zinc finger protein 552	Zinc finger protein 552 || AK023769 || 19q13.43	AGI_HUM1_OLIGO_A_23_P38824		
122	Hs.492261	Tumor protein p53 inducible nuclear protein 1	Tumor protein p53 inducible nuclear protein 1 || AK125880 || 8q22	AGI_HUM1_OLIGO_A_23_P168882		
123	Hs.473595	Chloride intracellular channel 6	Chloride intracellular channel 6 || AF448439 || 21q22.12	AGI_HUM1_OLIGO_A_23_P132088		
124	Hs.336768	4-aminobutyrate aminotransferase	4-aminobutyrate aminotransferase || NM_020686 || 16p13.2	AGI_HUM1_OLIGO_A_23_P141114	AGI_HUM1_OLIGO_A_23_P152565	
125	Hs.351675	Cytochrome c oxidase subunit VIc	Cytochrome c oxidase subunit VIc || AK128382 || 8q22-q23	AGI_HUM1_OLIGO_A_23_P8900		
126	Hs.335139	Potassium channel tetramerisation domain containing 3	Potassium channel tetramerisation domain containing 3 || NM_016121 || 1q41	AGI_HUM1_OLIGO_A_23_P160406		
127	Hs.10082	Potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	Potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4 || AGI_HUM1_OLIGO_A_23_P67529			
128	Hs.75438	Quinoid dihydropteridine reductase	Quinoid dihydropteridine reductase || AK124952 || 4p15.31	AGI_HUM1_OLIGO_A_23_P133049		
129	Hs.432638	SRY (sex determining region Y)-box 11	SRY (sex determining region Y)-box 11 || AB028641 || 2p25	AGI_HUM1_OLIGO_A_23_P22378		
130	Hs.283749	Angiogenin, ribonuclease, RNase A family, 5	Angiogenin, ribonuclease, RNase A family, 5 || NM_194430 || 14q11.1	AGI_HUM1_OLIGO_A_23_P205531		
131	Hs.79741	Likely ortholog of mouse dilute suppressor	Likely ortholog of mouse dilute suppressor || BC062990 || 2q35	AGI_HUM1_OLIGO_A_23_P109848		
132	Hs.473087	CTP synthase	CTP synthase || BC009408 || 1p34.1	AGI_HUM1_OLIGO_A_23_P21706	AGI_HUM1_OLIGO_A_23_P33103	
133	Hs.444082	Enhancer of zeste homolog 2 (Drosophila)	Enhancer of zeste homolog 2 (Drosophila) || AK023816 || 7q35-q36	AGI_HUM1_OLIGO_A_23_P259641		
134	Hs.11729	Solute carrier family 27 (fatty acid transporter), member 2	Solute carrier family 27 (fatty acid transporter), member 2 || AK223145 || 15q21.2	AGI_HUM1_OLIGO_A_23_P140450		
135	Hs.546241	Complement component 4B	Complement component 4B || BC063289 || 6p21.3	AGI_HUM1_OLIGO_A_23_P42279		
136	Hs.58650	Hedgehog acyltransferase	Hedgehog acyltransferase || AK128135 || 1q32	AGI_HUM1_OLIGO_A_23_P136355		
137	Hs.95612	Desmocollin 2	Desmocollin 2 || NM_004949 || 18q12.1	AGI_HUM1_OLIGO_A_23_P4494		
138	Hs.519057	Neuropeptide Y receptor Y1	Neuropeptide Y receptor Y1 || AB209237 || 4q31.3-q32	AGI_HUM1_OLIGO_A_23_P69699		
139	Hs.517860	Chromosome 3 open reading frame 18	Chromosome 3 open reading frame 18 || AK127002 || 3p21.3	AGI_HUM1_OLIGO_A_23_P155477		
140	Hs.239	Forkhead box M1	Forkhead box M1 || NM_202002 || 12p13	AGI_HUM1_OLIGO_A_23_P151150		
141	Hs.514033	Sperm associated antigen 5	Sperm associated antigen 5 || NM_006461 || 17q11.2	AGI_HUM1_OLIGO_A_23_P88509		
142	Hs.129885	T-box 3 (ulnar mammary syndrome)	T-box 3 (ulnar mammary syndrome) || NM_016569 || 12q24.1	AGI_HUM1_OLIGO_A_23_P204100		
143	Hs.252712	Karyopherin alpha 2 (RAG cohort 1, importin alpha 1)	Karyopherin alpha 2 (RAG cohort 1, importin alpha 1) || BC067848 || 17q23.1-q23.3	AGI_HUM1_OLIGO_A_23_P125265		
144	Hs.458304	Ropporin, rhophilin associated protein 1	Ropporin, rhophilin associated protein 1 || AL133624 || 3q21.1	AGI_HUM1_OLIGO_A_23_P166922		
145	Hs.446554	RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)	RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae) || AL833420 || 15q15.1	AGI_HUM1_OLIGO_A_23_P88731		
146	Hs.283532	Uncharacterized bone marrow protein BM039	Uncharacterized bone marrow protein BM039 || AK023669 || 16q23.2	AGI_HUM1_OLIGO_A_23_P88740		
147	Hs.487045	Superoxide dismutase 2, mitochondrial	Superoxide dismutase 2, mitochondrial || AK097395 || 6q25.3	AGI_HUM1_OLIGO_A_23_P134176		
148	Hs.522665	Melanoma antigen family D, 2	Melanoma antigen family D, 2 || AK092463 || Xp11.2	AGI_HUM1_OLIGO_A_23_P33898		
149	Hs.514146	Titin-cap (telethonin)	Titin-cap (telethonin) || AK096328 || 17q12	AGI_HUM1_OLIGO_A_23_P107051		
150	Hs.23960	Cyclin B1	Cyclin B1 || NM_031966 || 5q12	AGI_HUM1_OLIGO_A_23_P122197		
151	Hs.434604	Similar to ovostatin-2	Similar to ovostatin-2 || XM_495907 || 12p13.31	AGI_HUM1_OLIGO_A_23_P25069		
152	Hs.390788	Protein kinase, X-linked	Protein kinase, X-linked || NM_005044 || Xp22.3	AGI_HUM1_OLIGO_A_23_P217339		
153	Hs.33102	Transcription factor AP-2 beta (activating enhancer binding protein 2 beta)	Transcription factor AP-2 beta (activating enhancer binding protein 2 beta) || NM_003221 || 6p21	AGI_HUM1_OLIGO_A_23_P145104		
154	Hs.473583	Nuclease sensitive element binding protein 1	Nuclease sensitive element binding protein 1 || BF525416 || 1p34	AGI_HUM1_OLIGO_A_23_P34765		
155	Hs.444767	Kinesin family member 13B	Kinesin family member 13B || NM_015254 || 8p12	AGI_HUM1_OLIGO_A_23_P147388	AGI_HUM1_OLIGO_A_23_P95441	
156	Hs.514211	Hypothetical protein MGC4251	Hypothetical protein MGC4251 || BM542308 || 17q21.31	AGI_HUM1_OLIGO_A_23_P15516		
157	Hs.104741	PDZ binding kinase	PDZ binding kinase || NM_018492 || 8p21.2	AGI_HUM1_OLIGO_A_23_P82699		
158	Hs.518997	Hypothetical protein FLJ10901	Hypothetical protein FLJ10901 || AK001763 || 1q32.1	AGI_HUM1_OLIGO_A_23_P1043		
159	Hs.118552	Heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) binding protein 1	Heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) binding protein 1 || NM_017870	AGI_HUM1_OLIGO_A_23_P24716		
160	Hs.2025	Transforming growth factor, beta 3	Transforming growth factor, beta 3 || AK122902 || 14q24	AGI_HUM1_OLIGO_A_23_P88404		
161	Hs.2006	Glutathione S-transferase M3 (brain)	Glutathione S-transferase M3 (brain) || NM_000849 || 1p13.3	AGI_HUM1_OLIGO_A_23_P12343		
162	Hs.368072	Progesterone receptor	Progesterone receptor || NM_000926 || 11q22-q23	AGI_HUM1_OLIGO_A_23_P138938		
163	Hs.413111	Phospholipase C, gamma 2 (phosphatidylinositol-specific)	Phospholipase C, gamma 2 (phosphatidylinositol-specific) || AB208914 || 16q24.1	AGI_HUM1_OLIGO_A_23_P106675		
164	Hs.480837	Inositol polyphosphate-4-phosphatase, type II, 105kDa	Inositol polyphosphate-4-phosphatase, type II, 105kDa || BX649090 || 4q31.21	AGI_HUM1_OLIGO_A_23_P18559		
165	Hs.270845	Kinesin family member 23	Kinesin family member 23 || NM_138555 || 15q23	AGI_HUM1_OLIGO_A_23_P48835		
166	Hs.215766	GTP binding protein 4	GTP binding protein 4 || NM_012341 || 10p15-p14	AGI_HUM1_OLIGO_A_23_P12874		
167	Hs.209983	Stathmin 1/oncoprotein 18	Stathmin 1/oncoprotein 18 || BX647885 || 1p36.1-p35	AGI_HUM1_OLIGO_A_23_P200666		
168	Hs.162807	Trefoil factor 1 (breast cancer, estrogen-inducible sequence expressed in)	Trefoil factor 1 (breast cancer, estrogen-inducible sequence expressed in) || BM923753 || 21q22	AGI_HUM1_OLIGO_A_23_P68759		
169	Hs.532803	Hematological and neurological expressed 1	Hematological and neurological expressed 1 || BC039343 || 17q25.1	AGI_HUM1_OLIGO_A_23_P100632		
170	Hs.233160	Stanniocalcin 2	Stanniocalcin 2 || NM_003714 || 5q35.1	AGI_HUM1_OLIGO_A_23_P110685		
171	Hs.445098	DEP domain containing 1	DEP domain containing 1 || BC065304 || 1p31.2	AGI_HUM1_OLIGO_A_23_P200310		
172	Hs.169348	Bloom syndrome	Bloom syndrome || BC034480 || 15q26.1	AGI_HUM1_OLIGO_A_23_P88530		
173	Hs.515122	Thymidine kinase 1, soluble	Thymidine kinase 1, soluble || BF663703 || 17q23.2-q25.3	AGI_HUM1_OLIGO_A_23_P107421		
174	Hs.29724	Pleckstrin homology domain containing, family F (with FYVE domain) member 2	Pleckstrin homology domain containing, family F (with FYVE domain) member 2 || NM_024613	AGI_HUM1_OLIGO_A_23_P20275		

7P-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID
175	Hs.49143	MKL/myocardin-like 2	MKL/myocardin-like 2 || NM_014048 || 16p13.12	AGI_HUM1_OLIGO_A_23_P54556	
176	Hs.334562	Cell division cycle 2, G1 to S and G2 to M	Cell division cycle 2, G1 to S and G2 to M || CR933728 || 10q21.1	AGI_HUM1_OLIGO_A_23_P138507	
177	Hs.511755	Pituitary tumor-transforming 2	Pituitary tumor-transforming 2 || AF095288 || 4p12	AGI_HUM1_OLIGO_A_23_P18579	
178	Hs.212088	Epoxide hydrolase 2, cytoplasmic	Epoxide hydrolase 2, cytoplasmic || NM_001979 || 8p21-p12	AGI_HUM1_OLIGO_A_23_P8834	
179	Hs.25318	RAB27B, member RAS oncogene family	RAB27B, member RAS oncogene family || AF131784 || 18q21.2	AGI_HUM1_OLIGO_A_23_P107611	
180	Hs.462898	Insulin-like growth factor binding protein 4	Insulin-like growth factor binding protein 4 || NM_001552 || 17q12-q21.1	AGI_HUM1_OLIGO_A_23_P38574	
181	Hs.268728	Tweety homolog 1 (Drosophila)	Tweety homolog 1 (Drosophila) || AK126690 || 19q13.4	AGI_HUM1_OLIGO_A_23_P50815	
182	Hs.258326	BIK protein	BIK protein || NM_016524 || 16p12.3	AGI_HUM1_OLIGO_A_23_P163697	
183	Hs.525419	Epithelial protein lost in neoplasm beta	Epithelial protein lost in neoplasm beta || BX647194 || 12q13	AGI_HUM1_OLIGO_A_23_P151267	
184	Hs.122908	DNA replication factor	DNA replication factor || AB053172 || 16q24.3	AGI_HUM1_OLIGO_A_23_P37704	
185	Hs.12970	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 3	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 3 || D67025 || 17q21.1	AGI_HUM1_OLIGO_A_23_P28785	
186	Hs.417962	Dual specificity phosphatase 4	Dual specificity phosphatase 4 || NM_057158 || 8p12-p11	AGI_HUM1_OLIGO_A_23_P134935	
187	Hs.211511	Hypothetical protein FLJ21127	Hypothetical protein FLJ21127 || AK128417 || 12q24.11	AGI_HUM1_OLIGO_A_23_P75402	
188	Hs.444959	Acyl-Coenzyme A oxidase 2, branched chain	Acyl-Coenzyme A oxidase 2, branched chain || BC033517 || 3p14.3	AGI_HUM1_OLIGO_A_23_P10182	
189	Hs.323583	Hypothetical protein DKFZp434L142	Hypothetical protein DKFZp434L142 || NM_016613 || 4q32.1	AGI_HUM1_OLIGO_A_23_P218928	
190	Hs.119192	H2A histone family, member Z	H2A histone family, member Z || AK056803 || 4q24	AGI_HUM1_OLIGO_A_23_P133147	
191	Hs.95243	Transcription elongation factor A (SII)-like 1	Transcription elongation factor A (SII)-like 1 || BM690957 || Xq22.1	AGI_HUM1_OLIGO_A_23_P73801	
192	Hs.190440	ADP-ribosylation factor-like 6 interacting protein 2	ADP-ribosylation factor-like 6 interacting protein 2 || AK026946 || 2p22.2-p22.1	AGI_HUM1_OLIGO_A_23_P209619	
193	Hs.444915	Solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), mem	Solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), mem	AGI_HUM1_OLIGO_A_23_P216468	
194	Hs.326391	Phytanoyl-CoA dioxygenase domain containing 1	Phytanoyl-CoA dioxygenase domain containing 1 || AK095000 || 9q34.11	AGI_HUM1_OLIGO_A_23_P71997	
195	Hs.443861	SFRS protein kinase 1	SFRS protein kinase 1 || AJ318054 || 6p21.3-p21.2	AGI_HUM1_OLIGO_A_23_P19543	
196	Hs.159142	Lunatic fringe homolog (Drosophila)	Lunatic fringe homolog (Drosophila) || AK056284 || 7p22	AGI_HUM1_OLIGO_A_23_P8452	
197	Hs.272416	SID1 transmembrane family, member 1	SID1 transmembrane family, member 1 || AK000181 || 3q13.2	AGI_HUM1_OLIGO_A_23_P132515	
198	Hs.374613	Inositol 1,4,5-triphosphate receptor, type 1	Inositol 1,4,5-triphosphate receptor, type 1 || D26070 || 3p26-p25	AGI_HUM1_OLIGO_A_23_P92042	
199	Hs.129452	Dachshund homolog 1 (Drosophila)	Dachshund homolog 1 (Drosophila) || NM_080759 || 13q22	AGI_HUM1_OLIGO_A_23_P205134	
200	Hs.489207	Asparagine synthetase	Asparagine synthetase || NM_133436 || 7q21.3	AGI_HUM1_OLIGO_A_23_P145694	
201	Hs.270833	Amphiregulin (schwannoma-derived growth factor)	Amphiregulin (schwannoma-derived growth factor) || AK023449 || 4q13-q21	AGI_HUM1_OLIGO_A_23_P259071	
202	Hs.446680	Retinoic acid induced 2	Retinoic acid induced 2 || BC027937 || Xp22	AGI_HUM1_OLIGO_A_23_P254165	
203	Hs.190284	Smith-Magenis syndrome chromosome region, candidate 6	Smith-Magenis syndrome chromosome region, candidate 6 || AB209609 || 17p11.2	AGI_HUM1_OLIGO_A_23_P129785	
204	Hs.404741	Nuclear factor (erythroid-derived 2)-like 3	Nuclear factor (erythroid-derived 2)-like 3 || NM_004289 || 7p15-p14	AGI_HUM1_OLIGO_A_23_P42718	
205	Hs.444118	MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae)	MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae) || N	AGI_HUM1_OLIGO_A_23_P90612	
206	Hs.527295	Ectonucleotide pyrophosphatase/phosphodiesterase 1	Ectonucleotide pyrophosphatase/phosphodiesterase 1 || NM_006208 || 6q22-q23	AGI_HUM1_OLIGO_A_23_P156880	
207	Hs.98849	Dynein, cytoplasmic, light polypeptide 2B	Dynein, cytoplasmic, light polypeptide 2B || BC035232 || 16q23.3	AGI_HUM1_OLIGO_A_23_P94840	
208	Hs.525198	TAL1 (SCL) interrupting locus	TAL1 (SCL) interrupting locus || NM_003035 || 1q32	AGI_HUM1_OLIGO_A_23_P51966	
209	Hs.471508	Insulin receptor substrate 1	Insulin receptor substrate 1 || NM_005544 || 2q36	AGI_HUM1_OLIGO_A_23_P90649	
210	Hs.435458	SET binding protein 1	SET binding protein 1 || BX640904 || 18q21.1	AGI_HUM1_OLIGO_A_23_P4551	
211	Hs.15929	Chromosome 6 open reading frame 211	Chromosome 6 open reading frame 211 || AK022972 || 6q25.1	AGI_HUM1_OLIGO_A_23_P254472	
212	Hs.525756	Chromosome 15 open reading frame 23	Chromosome 15 open reading frame 23 || CR602848 || 15q15.1	AGI_HUM1_OLIGO_A_23_P140705	
213	Hs.514840	Chitinase 3-like 2	Chitinase 3-like 2 || U58515 || 1p13.3	AGI_HUM1_OLIGO_A_23_P12082	
214	Hs.481307	MLF1 interacting protein	MLF1 interacting protein || AF516710 || 4q35.1	AGI_HUM1_OLIGO_A_23_P254733	
215	Hs.408767	Crystallin, alpha B	Crystallin, alpha B || BU734674 || 11q22.3-q23.1	AGI_HUM1_OLIGO_A_23_P75589	
216	Hs.8878	Kinesin family member 11	Kinesin family member 11 || NM_004523 || 10q24.1	AGI_HUM1_OLIGO_A_23_P52278	
217	Hs.201083	Mal, T-cell differentiation protein 2	Mal, T-cell differentiation protein 2 || AY007723 ||	AGI_HUM1_OLIGO_A_23_P60130	
218	Hs.507669	Hypothetical protein CG003	Hypothetical protein CG003 || U50534 || 13q13.1	AGI_HUM1_OLIGO_A_23_P105862	
219	Hs.118722	Fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	Fucosyltransferase 8 (alpha (1,6) fucosyltransferase) || AJ536056 || 14q24.3	AGI_HUM1_OLIGO_A_23_P14432	
220	Hs.388255	DC13 protein	DC13 protein || AK123983 || 16q23.2	AGI_HUM1_OLIGO_A_23_P106544	
221	Hs.491148	Pericentriolar material 1	Pericentriolar material 1 || NM_006197 || 9p22-p21.3	AGI_HUM1_OLIGO_A_23_P82950	
222	Hs.38972	Tetraspanin 1	Tetraspanin 1 || BC021699 || 1p34.1	AGI_HUM1_OLIGO_A_23_P116894	
223	Hs.494261	Phosphoserine aminotransferase 1	Phosphoserine aminotransferase 1 || NM_058179 || 9q21.2	AGI_HUM1_OLIGO_A_23_P258692	
224	Hs.465413	Cytochrome b-5	Cytochrome b-5 || AB209617 || 18q23	AGI_HUM1_OLIGO_A_23_P101208	
225	Hs.121536	Family with sequence similarity 54, member A	Family with sequence similarity 54, member A || AK125758 || 6q23.3	AGI_HUM1_OLIGO_A_23_P253752	
226	Hs.369762	Thymidylate synthetase	Thymidylate synthetase || BQ056428 || 18p11.32	AGI_HUM1_OLIGO_A_23_P50096:	
227	Hs.386260	Hypothetical protein MGC11242	Hypothetical protein MGC11242 || BC002865 || 17q21.32	AGI_HUM1_OLIGO_A_23_P116894	
228	Hs.19114	High-mobility group box 3	High-mobility group box 3 || BX537505 || Xq28	AGI_HUM1_OLIGO_A_23_P217236	
229	Hs.3041	Uracil-DNA glycosylase 2	Uracil-DNA glycosylase 2 || BC004877 || 5p15.2-p13.1	AGI_HUM1_OLIGO_A_23_P92860	
230	Hs.15250	Peroxisomal D3,D2-enoyl-CoA isomerase	Peroxisomal D3,D2-enoyl-CoA isomerase || AB209917 || 6p24.3	AGI_HUM1_OLIGO_A_23_P156852	
231	Hs.191842	Cadherin 3, type 1, P-cadherin (placental)	Cadherin 3, type 1, P-cadherin (placental) || BC041846 || 16q22.1	AGI_HUM1_OLIGO_A_23_P49155	
232	Hs.491757	V-yes-1 Yamaguchi sarcoma viral related oncogene homolog	V-yes-1 Yamaguchi sarcoma viral related oncogene homolog || BC059394 || 8q13	AGI_HUM1_OLIGO_A_23_P147431	

7P-SAM-Order	CID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
233	Hs.461086	Cadherin 1, type 1, E-cadherin (epithelial)	Cadherin 1, type 1, E-cadherin (epithelial) || NM_004360 || 16q22.1	AGI_HUM1_OLIGO_A_23_P206359		
234	Hs.358684	Chromosome 2 open reading frame 23	Chromosome 2 open reading frame 23 || AK023172 || 2p11.2	AGI_HUM1_OLIGO_A_23_P95285		
235	Hs.89603	Mucin 1, transmembrane	Mucin 1, transmembrane || J05581 || 1q21	AGI_HUM1_OLIGO_A_23_P137856		
236	Hs.473420	BTG family, member 3	BTG family, member 3 || BU730067 || 21q21.1-q21.2	AGI_HUM1_OLIGO_A_23_P80083		
237	Hs.533782	Keratin 8	Keratin 8 || CR607281 || 12q13	AGI_HUM1_OLIGO_A_23_P14072		
238	Hs.518448	Lysosomal-associated membrane protein 3	Lysosomal-associated membrane protein 3 || BC032940 || 3q26.3-q27	AGI_HUM1_OLIGO_A_23_P29773		
239	Hs.507290	Kelch/ankyrin repeat containing cyclin A1 interacting protein	Kelch/ankyrin repeat containing cyclin A1 interacting protein || BC032462 || 1q23.3	AGI_HUM1_OLIGO_A_23_P66100		
240	Hs.445898	V-myb myeloblastosis viral oncogene homolog (avian)-like 1	V-myb myeloblastosis viral oncogene homolog (avian)-like 1 || XM_034274 || 8q22	AGI_HUM1_OLIGO_A_23_P43157		
241	Hs.466354	Protein kinase (cAMP-dependent, catalytic) inhibitor beta	Protein kinase (cAMP-dependent, catalytic) inhibitor beta || CR749456 || 6q22.31	AGI_HUM1_OLIGO_A_23_P145529		
242	Hs.511093	Nucleolar and spindle associated protein 1	Nucleolar and spindle associated protein 1 || AK222819 || 15q15.1	AGI_HUM1_OLIGO_A_23_P206183		
243	Hs.69089	Galactosidase, alpha	Galactosidase, alpha || NM_000169 || Xq22	AGI_HUM1_OLIGO_A_23_P45475		
244	Hs.523966	Tumor protein p53 binding protein, 2	Tumor protein p53 binding protein, 2 || NM_005426 || 1q42.1	AGI_HUM1_OLIGO_A_23_P12523		
245	Hs.546382	Transcription factor CP2-like 2	Transcription factor CP2-like 2 || BC063259 || 2p25.1	AGI_HUM1_OLIGO_A_23_P5882		
246	Hs.487200	SPARC related modular calcium binding 2	SPARC related modular calcium binding 2 || AL833303 || 6q27	AGI_HUM1_OLIGO_A_23_P70307		
247	Hs.519901	Inhibitor of DNA binding 4, dominant negative helix-loop-helix protein	Inhibitor of DNA binding 4, dominant negative helix-loop-helix protein || BM701438 || 6p22-p21	AGI_HUM1_OLIGO_A_23_P59375		
248	Hs.435711	Tripartite motif-containing 2	Tripartite motif-containing 2 || AF220016 || 4q31.3	AGI_HUM1_OLIGO_A_23_P213141		
249	Hs.79361	Kallikrein 6 (neurosin, zyme)	Kallikrein 6 (neurosin, zyme) || NM_002774 || 19q13.3	AGI_HUM1_OLIGO_A_23_P142090		
250	Hs.534313	Early growth response 3	Early growth response 3 || NM_004430 || 9p23-p21	AGI_HUM1_OLIGO_A_23_P216225		
251	Hs.370834	ATPase family, AAA domain containing 2	ATPase family, AAA domain containing 2 || CR749932 || 8q24.13	AGI_HUM1_OLIGO_A_23_P216068		
252	Hs.3346	Family with sequence similarity 83, member A	Family with sequence similarity 83, member A || AB037811 || 1q21.2	AGI_HUM1_OLIGO_A_23_P160546		
253	Hs.432446	Keratin 16 (focal non-epidermolytic palmoplantar keratoderma)	Keratin 16 (focal non-epidermolytic palmoplantar keratoderma) || BC039169 || 17q12-q21	AGI_HUM1_OLIGO_A_23_P38537		
254	Hs.405619	Phosphoribosyl transferase domain containing 1	Phosphoribosyl transferase domain containing 1 || NM_020200 || 10p12.1	AGI_HUM1_OLIGO_A_23_P202004		
255	Hs.145932	Metallothionein-like 5, testis-specific (tesmin)	Metallothionein-like 5, testis-specific (tesmin) || AK122308 || 11q13.2-q13.3	AGI_HUM1_OLIGO_A_23_P161507		
256	Hs.298654	Dual specificity phosphatase 6	Dual specificity phosphatase 6 || BC037236 || 12q22-q23	AGI_HUM1_OLIGO_A_23_P139704		
257	Hs.519162	BTG family, member 2	BTG family, member 2 || NM_006763 || 1q32	AGI_HUM1_OLIGO_A_23_P62901		
258	Hs.81934	Acyl-Coenzyme A dehydrogenase, short/branched chain	Acyl-Coenzyme A dehydrogenase, short/branched chain || NM_001609 || 10q25-q26	AGI_HUM1_OLIGO_A_23_P156570		
259	Hs.27695	Midline 1 (Opitz/BBB syndrome)	Midline 1 (Opitz/BBB syndrome) || AF041210 || Xp22	AGI_HUM1_OLIGO_A_23_P10031	AGI_HUM1_OLIGO_A_23_P170037	AGI_HUM1_OLIGO_A_23_P3285
260	Hs.406515	NAD(P)H dehydrogenase, quinone 1	NAD(P)H dehydrogenase, quinone 1 || NM_000903 || 16q22.1	AGI_HUM1_OLIGO_A_23_P206662		
261	Hs.87247	Harakiri, BCL2 interacting protein (contains only BH3 domain)	Harakiri, BCL2 interacting protein (contains only BH3 domain) || D83699 || 12q24.22	AGI_HUM1_OLIGO_A_23_P25194		
262	Hs.546434	V-set domain containing T cell activation inhibitor 1	V-set domain containing T cell activation inhibitor 1 || BX648021 || 1p13.1	AGI_HUM1_OLIGO_A_23_P518		
263	Hs.9029	Keratin 23 (histone deacetylase inducible)	Keratin 23 (histone deacetylase inducible) || NM_015515 || 17q21.2	AGI_HUM1_OLIGO_A_23_P78246		
264	Hs.71465	Squalene epoxidase	Squalene epoxidase || NM_003129 || 8q24.1	AGI_HUM1_OLIGO_A_23_P146284		
265	Hs.239370	Aldehyde dehydrogenase 6 family, member A1	Aldehyde dehydrogenase 6 family, member A1 || NM_005569 || 14q24.3	AGI_HUM1_OLIGO_A_23_P128967		
266	Hs.523836	Glutathione S-transferase pi	Glutathione S-transferase pi || BM926726 || 11q13	AGI_HUM1_OLIGO_A_23_P202553		
267	Hs.306777	Gasdermin-like	Gasdermin-like || BX647700 || 17q21.1	AGI_HUM1_OLIGO_A_23_P68454		
268	Hs.520942	Claudin 4	Claudin 4 || AK126462 || 7q11.23	AGI_HUM1_OLIGO_A_23_P19944		
269	Hs.111732	Fc fragment of IgG binding protein	Fc fragment of IgG binding protein || NM_003890 || 19q13.1	AGI_HUM1_OLIGO_A_23_P21495	AGI_HUM1_OLIGO_A_23_P32896	
270	Hs.149387	Myosin VI	Myosin VI || NM_004999 || 6q13	AGI_HUM1_OLIGO_A_23_P25952		
271	Hs.87752	Moesin	Moesin || NM_002444 || Xq11.2-q12	AGI_HUM1_OLIGO_A_23_P73589		
272	Hs.85137	Cyclin A2	Cyclin A2 || CR604910 || 4q28-q31	AGI_HUM1_OLIGO_A_23_P58321		
273	Hs.511978	Huntingtin interacting protein K	Huntingtin interacting protein K || AF370428 || 15q15.3	AGI_HUM1_OLIGO_A_23_P117683		
274	Hs.503709	Pro-oncosis receptor inducing membrane injury gene	Pro-oncosis receptor inducing membrane injury gene || AK075420 || 11q22.1	AGI_HUM1_OLIGO_A_23_P202964		
275	Hs.332847	Cysteine-rich motor neuron 1	Cysteine-rich motor neuron 1 || AF167706 || 2p21	AGI_HUM1_OLIGO_A_23_P51105		
276	Hs.197922	Calcium/calmodulin-dependent protein kinase II	Calcium/calmodulin-dependent protein kinase II || CR604926 || 1p36.12	AGI_HUM1_OLIGO_A_23_P11800		
277	Hs.188606	START domain containing 10	START domain containing 10 || AB209473 || 11q13	AGI_HUM1_OLIGO_A_23_P36345		
278	Hs.6147	Tensin like C1 domain containing phosphatase	Tensin like C1 domain containing phosphatase || CR936725 || 12q13.13	AGI_HUM1_OLIGO_A_23_P151297		
279	Hs.367992	Inositol(myo)-1(or 4)-monophosphatase 2	Inositol(myo)-1(or 4)-monophosphatase 2 || BM924655 || 18p11.2	AGI_HUM1_OLIGO_A_23_P56081		
280	Hs.503134	7-dehydrocholesterol reductase	7-dehydrocholesterol reductase || BC000054 || 11q13.2-q13.5	AGI_HUM1_OLIGO_A_23_P24444		
281	Hs.458360	Uridine-cytidine kinase 2	Uridine-cytidine kinase 2 || BX640859 || 1q23	AGI_HUM1_OLIGO_A_23_P3487		
282	Hs.491582	Plasminogen activator, tissue	Plasminogen activator, tissue || BX641021 || 8p12	AGI_HUM1_OLIGO_A_23_P82868		
283	Hs.439760	Cytochrome P450, family 4, subfamily X, polypeptide 1	Cytochrome P450, family 4, subfamily X, polypeptide 1 || NM_178033 || 1p33	AGI_HUM1_OLIGO_A_23_P72411		
284	Hs.74120	Chromosome 10 open reading frame 116	Chromosome 10 open reading frame 116 || AL157440 || 10q23.2	AGI_HUM1_OLIGO_A_23_P161439		
285	Hs.58756	Period homolog 2 (Drosophila)	Period homolog 2 (Drosophila) || NM_022817 || 2q37.3	AGI_HUM1_OLIGO_A_23_P209320		
286	Hs.372924	CAMP responsive element binding protein 3-like 4	CAMP responsive element binding protein 3-like 4 || AY049977 || 1q21.3	AGI_HUM1_OLIGO_A_23_P63232		
287	Hs.508284	F-box and leucine-rich repeat protein 3	F-box and leucine-rich repeat protein 3 || AL833187 || 13q22	AGI_HUM1_OLIGO_A_23_P140069		
288	Hs.35095	Ubiquitin specific protease 1	Ubiquitin specific protease 1 || BC050525 || 1p32.1-p31.3	AGI_HUM1_OLIGO_A_23_P11652		
289	Hs.121520	Amphiphysin induced gene 2	Amphiphysin induced gene 2 || NM_181847 || 12q13.11	AGI_HUM1_OLIGO_A_23_P14063		
290	Hs.173859	Frizzled homolog 7 (Drosophila)	Frizzled homolog 7 (Drosophila) || AB017365 || 2q33	AGI_HUM1_OLIGO_A_23_P209449		

7P-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID
291	Hs.440494	Chemokine-like factor super family 7	Chemokine-like factor super family 7 || AK055554 || 3p23	AGI_HUM1_OLIGO_A_23_P256413	
292	Hs.67726	Macrophage receptor with collagenous structure	Macrophage receptor with collagenous structure || BC016004 || 2q12-q13	AGI_HUM1_OLIGO_A_23_P101992	
293	Hs.200227	FYVE and coiled-coil domain containing 1	FYVE and coiled-coil domain containing 1 || AJ292348 || 3p21.31	AGI_HUM1_OLIGO_A_23_P212339	
294	Hs.28309	UDP-glucose dehydrogenase	UDP-glucose dehydrogenase || AF061016 || 4p15.1	AGI_HUM1_OLIGO_A_23_P167067	
295	Hs.438064	FN5 protein	FN5 protein || AK099204 || 11q13.3-q23.3	AGI_HUM1_OLIGO_A_23_P75430	
296	Hs.466143	Biliverdin reductase A	Biliverdin reductase A || BX647539 || 7p14-cen	AGI_HUM1_OLIGO_A_23_P71148	
297	Hs.370379	Zinc finger protein 462	Zinc finger protein 462 || NM_021224 || 9q31.2	AGI_HUM1_OLIGO_A_23_P60499	
298	Hs.408061	Fatty acid binding protein 5 (psoriasis-associated)	Fatty acid binding protein 5 (psoriasis-associated) || BG282526 || 8q21.13	AGI_HUM1_OLIGO_A_23_P59876	
299	Hs.444924	CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 1	CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 1 || NM_001263 || 4q21.23	AGI_HUM1_OLIGO_A_23_P7245	
300	Hs.505575	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc	AGI_HUM1_OLIGO_A_23_P204133	
301	Hs.89626	Parathyroid hormone-like hormone	Parathyroid hormone-like hormone || J03580 || 12p12.1-p11.2	AGI_HUM1_OLIGO_A_23_P2271	
302	Hs.518475	Replication factor C (activator 1) 4, 37kDa	Replication factor C (activator 1) 4, 37kDa || NM_002916 || 3q27	AGI_HUM1_OLIGO_A_23_P18196	
303	Hs.24529	CHK1 checkpoint homolog (S. pombe)	CHK1 checkpoint homolog (S. pombe) || NM_001274 || 11q24-q24	AGI_HUM1_OLIGO_A_23_P116123	
304	Hs.515258	Growth differentiation factor 15	Growth differentiation factor 15 || BQ883534 || 19p13.1-13.2	AGI_HUM1_OLIGO_A_23_P16523	
305	Hs.103755	Receptor-interacting serine-threonine kinase 2	Receptor-interacting serine-threonine kinase 2 || AY359814 || 8q21	AGI_HUM1_OLIGO_A_23_P252106	
306	Hs.390738	Hypothetical protein FLJ20366	Hypothetical protein FLJ20366 || AB195679 || 8q23.2	AGI_HUM1_OLIGO_A_23_P134734	
307	Hs.369520	Synaptotagmin-like 2	Synaptotagmin-like 2 || AY386362 || 11q14	AGI_HUM1_OLIGO_A_23_P53193	
308	Hs.81131	Guanidinoacetate N-methyltransferase	Guanidinoacetate N-methyltransferase || BM541904 || 19p13.3	AGI_HUM1_OLIGO_A_23_P152066	
309	Hs.199338	GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrome)	GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrome) || M57609 || 7p13	AGI_HUM1_OLIGO_A_23_P108143	
310	Hs.56145	Thymosin-like 8	Thymosin-like 8 || BG471140 || Xq21.33-q22.3	AGI_HUM1_OLIGO_A_23_P111532	
311	Hs.374378	CDC28 protein kinase regulatory subunit 1B	CDC28 protein kinase regulatory subunit 1B || BQ278454 || 1q21.2	AGI_HUM1_OLIGO_A_23_P137179	
312	Hs.145209	Ubiquilin protein ligase E3 component n-recognin 1	Ubiquilin protein ligase E3 component n-recognin 1 || NM_174916 || 15q13	AGI_HUM1_OLIGO_A_23_P45917	
313	Hs.513053	DnaJ (Hsp40) homolog, subfamily A, member 4	DnaJ (Hsp40) homolog, subfamily A, member 4 || NM_018602 || 15q25.1	AGI_HUM1_OLIGO_A_23_P152066	
314	Hs.8739	Signal transducer and activator of transcription 3 interacting protein 1	Signal transducer and activator of transcription 3 interacting protein 1 || AK095780 || 18q12.2	AGI_HUM1_OLIGO_A_23_P206140	
315	Hs.508141	Diaphanous homolog 3 (Drosophila)	Diaphanous homolog 3 (Drosophila) || BC034952 || 13q21.2	AGI_HUM1_OLIGO_A_23_P78438	
316	Hs.511739	SUMO-1 activating enzyme subunit 2	SUMO-1 activating enzyme subunit 2 || AK124730 || 19q12	AGI_HUM1_OLIGO_A_23_P162719	
317	Hs.409662	Collagen, type XIV, alpha 1 (undulin)	Collagen, type XIV, alpha 1 (undulin) || NM_021110 || 8q23	AGI_HUM1_OLIGO_A_23_P209020	
318	Hs.487561	Islet cell autoantigen 1, 69kDa	Islet cell autoantigen 1, 69kDa || CR605198 || 7p22	AGI_HUM1_OLIGO_A_23_P216361	
319	Hs.520973	Heat shock 27kDa protein 1	Heat shock 27kDa protein 1 || BM541936 || 7q11.23	AGI_HUM1_OLIGO_A_23_P215419	
320	Hs.31034	Peroxisomal biogenesis factor 11A	Peroxisomal biogenesis factor 11A || AL360141 || 15q26.1	AGI_HUM1_OLIGO_A_23_P257704	
321	Hs.311609	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 || CR592759 || 19p13.12	AGI_HUM1_OLIGO_A_23_P37560	
322	Hs.232543	Programmed cell death 4 (neoplastic transformation inhibitor)	Programmed cell death 4 (neoplastic transformation inhibitor) || BX537600 || 10q24	AGI_HUM1_OLIGO_A_23_P78664	
323	Hs.512599	Cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	Cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4) || BM719878 || 9p21	AGI_HUM1_OLIGO_A_23_P258862	
324	Hs.272805	HRAS-like suppressor 2	HRAS-like suppressor 2 || AK025029 || 11q12.3	AGI_HUM1_OLIGO_A_23_P43490	
325	Hs.75117	Interleukin enhancer binding factor 2, 45kDa	Interleukin enhancer binding factor 2, 45kDa || BG121872 || 1q21.3	AGI_HUM1_OLIGO_A_23_P105012	
326	Hs.55279	Serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5	Serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5 || BX640597 || 18q21.3	AGI_HUM1_OLIGO_A_23_P257956	
327	Hs.377484	BCL2-associated athanogene	BCL2-associated athanogene || BM799512 || 9p12	AGI_HUM1_OLIGO_A_23_P208126	
328	Hs.75360	Carboxypeptidase E	Carboxypeptidase E || NM_001873 || 4q32.3	AGI_HUM1_OLIGO_A_23_P146634	
329	Hs.83758	CDC28 protein kinase regulatory subunit 2	CDC28 protein kinase regulatory subunit 2 || BQ889843 || 9q22	AGI_HUM1_OLIGO_A_23_P259442	
330	Hs.40403	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1 || BM664781	AGI_HUM1_OLIGO_A_23_P71727	
331	Hs.10649	Chromosome 1 open reading frame 38	Chromosome 1 open reading frame 38 || AK094833 || 1p35.3	AGI_HUM1_OLIGO_A_23_P973	
332	Hs.446192	Contactin associated protein-like 2	Contactin associated protein-like 2 || NM_014141 || 7q35-q36	AGI_HUM1_OLIGO_A_23_P84399	
333	Hs.382202	Chitinase 3-like 1 (cartilage glycoprotein-39)	Chitinase 3-like 1 (cartilage glycoprotein-39) || AB209459 || 1q32.1	AGI_HUM1_OLIGO_A_23_P137672	
334	Hs.108029	SH3 domain binding glutamic acid-rich protein like	SH3 domain binding glutamic acid-rich protein like || AK024892 || Xq13.3	AGI_HUM1_OLIGO_A_23_P148297	
335	Hs.477693	NCK adaptor protein 1	NCK adaptor protein 1 || NM_006153 || 3q21	AGI_HUM1_OLIGO_A_23_P255785	
336	Hs.221941	Cytochrome b reductase 1	Cytochrome b reductase 1 || AL136693 || 2q31.1	AGI_HUM1_OLIGO_A_23_P209564	
337	Hs.504115	Tripartite motif-containing 29	Tripartite motif-containing 29 || BX648072 || 11q22-q23	AGI_HUM1_OLIGO_A_23_P203267	
338	Hs.514470	Solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19	Solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19 || AK097682 || 17q2	AGI_HUM1_OLIGO_A_23_P55036	
339	Hs.75238	Chromatin assembly factor 1, subunit B (p60)	Chromatin assembly factor 1, subunit B (p60) || NM_005441 || 21q22.13	AGI_HUM1_OLIGO_A_23_P57305	
340	Hs.6980	Aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	Aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase) || NM_012067 || 1p35.1	AGI_HUM1_OLIGO_A_23_P103968	
341	Hs.62771	Hypothetical protein FLJ20186	Hypothetical protein FLJ20186 || NM_207514 || 16q24.3	AGI_HUM1_OLIGO_A_23_P88893	
342	Hs.433201	CDK2-associated protein 1	CDK2-associated protein 1 || NM_004642 || 12q24.31	AGI_HUM1_OLIGO_A_23_P139486	
343	Hs.368254	Homogentisate 1,2-dioxygenase (homogentisate oxidase)	Homogentisate 1,2-dioxygenase (homogentisate oxidase) || BC071757 || 3q21-q23	AGI_HUM1_OLIGO_A_23_P250164	
344	Hs.32973	Glycine receptor, beta	Glycine receptor, beta || NM_000824 || 4q31.3	AGI_HUM1_OLIGO_A_23_P213265	
345	Hs.434255	Pleckstrin and Sec7 domain containing 3	Pleckstrin and Sec7 domain containing 3 || NM_015310 || 8pter-p23.3	AGI_HUM1_OLIGO_A_23_P216167	
346	Hs.14623	Interferon, gamma-inducible protein 30	Interferon, gamma-inducible protein 30 || AK123477 || 19p13.1	AGI_HUM1_OLIGO_A_23_P153745	
347	Hs.430324	Annexin A9	Annexin A9 || AJ009985 || 1q21	AGI_HUM1_OLIGO_A_23_P103614	
348	Hs.233952	Proteasome (prosome, macropain) subunit, alpha type, 7	Proteasome (prosome, macropain) subunit, alpha type, 7 || AK127210 || 20q13.33	AGI_HUM1_OLIGO_A_23_P91464	

TF-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
349	Hs.44278	RAB17, member RAS oncogene family	RAB17, member RAS oncogene family || BX647412 || 2q37.3	AGI_HUM1_OLIGO_A_23_P5778		
350	Hs.522500	KIAA0310	KIAA0310 || XM_088459 || 9q34.3	AGI_HUM1_OLIGO_A_23_P251303		
351	Hs.533573	CDC7 cell division cycle 7 (S. cerevisiae)	CDC7 cell division cycle 7 (S. cerevisiae) || AB209337 || 1p22	AGI_HUM1_OLIGO_A_23_P148807		
352	Hs.530024	Chromosome 7 open reading frame 24	Chromosome 7 open reading frame 24 || BF570959 || 7p15-p14	AGI_HUM1_OLIGO_A_23_P42695		
353	Hs.520313	CD164 antigen, sialomucin	CD164 antigen, sialomucin || BC040317 || 6q21	AGI_HUM1_OLIGO_A_23_P254756		
354	Hs.209812	Chromosome 22 open reading frame 18	Chromosome 22 open reading frame 18 || AK123479 || 22q13.2	AGI_HUM1_OLIGO_A_23_P103159		
355	Hs.444751	PDZ domain containing 1	PDZ domain containing 1 || NM_002614 || 1q21	AGI_HUM1_OLIGO_A_23_P52121		
356	Hs.126248	Collagen, type IX, alpha 3	Collagen, type IX, alpha 3 || NM_001853 || 20q13.3	AGI_HUM1_OLIGO_A_23_P40108		
357	Hs.81892	KIAA0101	KIAA0101 || AY358648 || 15q22.31	AGI_HUM1_OLIGO_A_23_P117852		
358	Hs.416358	Sal-like 2 (Drosophila)	Sal-like 2 (Drosophila) || NM_005407 || 14q11.1-q12	AGI_HUM1_OLIGO_A_23_P48585		
359	Hs.508461	Mitogen-activated protein kinase kinase kinase kinase 1	Mitogen-activated protein kinase kinase kinase 1 || XM_042066 || 5q11.2	AGI_HUM1_OLIGO_A_23_P41796		
360	Hs.491172	Neurobeachin	Neurobeachin || NM_015578 || 13q13	AGI_HUM1_OLIGO_A_23_P21128		AGI_HUM1_OLIGO_A_23_P65278
361	Hs.6434	Chromosome 14 open reading frame 132	Chromosome 14 open reading frame 132 || BC043593 || 14q32.2	AGI_HUM1_OLIGO_A_23_P151525		
362	Hs.376984	SRY (sex determining region Y)-box 10	SRY (sex determining region Y)-box 10 || BC018808 || 22q13.1	AGI_HUM1_OLIGO_A_23_P143694		
363	Hs.525205	NDRG family member 2	NDRG family member 2 || AK096999 || 14q11.2	AGI_HUM1_OLIGO_A_23_P37205		
364	Hs.520463	PiggyBac transposable element derived 5	PiggyBac transposable element derived 5 || NM_024554 || 1q42.13	AGI_HUM1_OLIGO_A_23_P126848		
365	Hs.104650	Mago-nashi homolog	Mago-nashi homolog || NM_018048 || 12p13.2	AGI_HUM1_OLIGO_A_23_P2423		
366	Hs.29802	Slit homolog 2 (Drosophila)	Slit homolog 2 (Drosophila) || AF055585 || 4p15.2	AGI_HUM1_OLIGO_A_23_P144348		
367	Hs.84113	Cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)	Cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase) || BQ055337	AGI_HUM1_OLIGO_A_23_P48669		
368	Hs.42650	ZW10 interactor	ZW10 interactor || NM_001005414 || 10q21-q22	AGI_HUM1_OLIGO_A_23_P63789		
369	Hs.512732	Nei endonuclease VIII-like 1 (E. coli)	Nei endonuclease VIII-like 1 (E. coli) || AK128372 || 15q23	AGI_HUM1_OLIGO_A_23_P129157		
370	Hs.525105	SLIT and NTRK-like family, member 6	SLIT and NTRK-like family, member 6 || NM_032229 || 13q31.1	AGI_HUM1_OLIGO_A_23_P65307		
371	Hs.497741	Centromere protein F, 350/400ka (mitosin)	Centromere protein F, 350/400ka (mitosin) || NM_016343 || 1q32-q41	AGI_HUM1_OLIGO_A_23_P401		
372	Hs.404321	Glycyl-tRNA synthetase	Glycyl-tRNA synthetase || NM_002047 || 7p15	AGI_HUM1_OLIGO_A_23_P82361		
373	Hs.546280	Pentraxin-related gene, rapidly induced by IL-1 beta	Pentraxin-related gene, rapidly induced by IL-1 beta || NM_002852 || 3q25	AGI_HUM1_OLIGO_A_23_P121064		
374	Hs.118631	Timeless homolog (Drosophila)	Timeless homolog (Drosophila) || BC050557 || 12q12-q13	AGI_HUM1_OLIGO_A_23_P53276		
375	Hs.279766	Kinesin family member 4A	Kinesin family member 4A || AF071592 || Xq13.1	AGI_HUM1_OLIGO_A_23_P148475		
376	Hs.244723	Cyclin E1	Cyclin E1 || BC035498 || 19q12	AGI_HUM1_OLIGO_A_23_P209200		
377	Hs.505934	CGI-119 protein	CGI-119 protein || AK122285 || 12q14.1-q15	AGI_HUM1_OLIGO_A_23_P13694		
378	Hs.409065	Flap structure-specific endonuclease 1	Flap structure-specific endonuclease 1 || NM_004111 || 11q12	AGI_HUM1_OLIGO_A_23_P87192		
379	Hs.26770	Fatty acid binding protein 7, brain	Fatty acid binding protein 7, brain || AB208815 || 6q22-q23	AGI_HUM1_OLIGO_A_23_P134139		
380	Hs.532265	Gene model 83	Gene model 83 || AK001693 || 8q22.3	AGI_HUM1_OLIGO_A_23_P215875		
381	Hs.155597	D component of complement (adipsin)	D component of complement (adipsin) || BQ712715 || 19p13.3	AGI_HUM1_OLIGO_A_23_P119562		
382	Hs.513141	Isocitrate dehydrogenase 2 (NADP+), mitochondrial	Isocitrate dehydrogenase 2 (NADP+), mitochondrial || AK127371 || 15q26.1	AGI_HUM1_OLIGO_A_23_P129204		
383	Hs.464813	DEK oncogene (DNA binding)	DEK oncogene (DNA binding) || BX641063 || 6p23	AGI_HUM1_OLIGO_A_23_P254702		
384	Hs.30824	Leucine zipper transcription factor-like 1	Leucine zipper transcription factor-like 1 || BC042483 || 3p21.3	AGI_HUM1_OLIGO_A_23_P41049		
385	Hs.472010	Prion protein (p27-30) (Creutzfeld-Jakob disease, Gerstmann-Straussler-Scheinker syndrome, fat	Prion protein (p27-30) (Creutzfeld-Jakob disease, Gerstmann-Strausler-Scheinker syndrome, fat	AGI_HUM1_OLIGO_A_23_P109143		
386	Hs.42151	Histamine N-methyltransferase	Histamine N-methyltransferase || NM_006895 || 2q22.1	AGI_HUM1_OLIGO_A_23_P56734		
387	Hs.368433	Tumor protein D52	Tumor protein D52 || NM_005079 || 8q21	AGI_HUM1_OLIGO_A_23_P216259		
388	Hs.16064	CNKSR family member 3	CNKSR family member 3 || AY328891 || 6q25.2	AGI_HUM1_OLIGO_A_23_P134085		
389	Hs.7879	Interferon-related developmental regulator 1	Interferon-related developmental regulator 1 || NM_001007245 || 7q22-q31	AGI_HUM1_OLIGO_A_23_P251825		
390	Hs.519168	Fibromodulin	Fibromodulin || BC035281 || 1q32	AGI_HUM1_OLIGO_A_23_P114883		
391	Hs.524216	Cell division cycle associated 3	Cell division cycle associated 3 || AK092246 || 12p13	AGI_HUM1_OLIGO_A_23_P162481		
392	Hs.518602	Wolfram syndrome 1 (wolframin)	Wolfram syndrome 1 (wolframin) || BC059213 || 4p16	AGI_HUM1_OLIGO_A_23_P121499		
393	Hs.460693	Glutamic pyruvate transaminase (alanine aminotransferase) 2	Glutamic pyruvate transaminase (alanine aminotransferase) 2 || NM_133443 || 16q12.1	AGI_HUM1_OLIGO_A_23_P37892		
394	Hs.527412	N-acylsphingosine amidohydrolase (acid ceramidase) 1	N-acylsphingosine amidohydrolase (acid ceramidase) 1 || NM_004315 || 8p22-p21.3	AGI_HUM1_OLIGO_A_23_P216325		
395	Hs.131683	Cytoplasmic polyadenylation element binding protein 3	Cytoplasmic polyadenylation element binding protein 3 || NM_014912 || 10q23.32	AGI_HUM1_OLIGO_A_23_P46812		
396	Hs.109425	GDNF family receptor alpha 1	GDNF family receptor alpha 1 || AF038421 || 10q26	AGI_HUM1_OLIGO_A_23_P12686		
397	Hs.153479	Extra spindle poles like 1 (S. cerevisiae)	Extra spindle poles like 1 (S. cerevisiae) || D79987 || 12q	AGI_HUM1_OLIGO_A_23_P32707		
398	Hs.443551	Hypothetical protein FLJ10706	Hypothetical protein FLJ10706 || AK127098 || 1q24.2	AGI_HUM1_OLIGO_A_23_P11862		
399	Hs.458485	Interferon, alpha-inducible protein (clone IFI-15K)	Interferon, alpha-inducible protein (clone IFI-15K) || BQ279255 || 1p36.33	AGI_HUM1_OLIGO_A_23_P811		
400	Hs.370658	Fucosidase, alpha-L- 1, tissue	Fucosidase, alpha-L- 1, tissue || BC017338 || 1p34	AGI_HUM1_OLIGO_A_23_P11543		
401	Hs.405958	CDC6 cell division cycle 6 homolog (S. cerevisiae)	CDC6 cell division cycle 6 homolog (S. cerevisiae) || NM_001254 || 17q21.3	AGI_HUM1_OLIGO_A_23_P49972		
402	Hs.76619	Gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase)	Gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase) || CD359152 || 8q12	AGI_HUM1_OLIGO_A_23_P134910		
403	Hs.446149	Lactate dehydrogenase B	Lactate dehydrogenase B || AB209231 || 12p12.2-p12.1	AGI_HUM1_OLIGO_A_23_P53476		
404	Hs.8237	Cytokine inducible SH2-containing protein	Cytokine inducible SH2-containing protein || NM_013324 || 3p21.3	AGI_HUM1_OLIGO_A_23_P144096		
405	Hs.528721	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E || NM	AGI_HUM1_OLIGO_A_23_P59578		
406	Hs.160562	Insulin-like growth factor 1 (somatomedin C)	Insulin-like growth factor 1 (somatomedin C) || NM_000618 || 12q22-q23	AGI_HUM1_OLIGO_A_23_P13907		

7P-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
407	Hs.552582	Leucine rich repeat containing 17	Leucine rich repeat containing 17 || NM_005824 || 7q22.1	AGI_HUM1_OLIGO_A_23_P253958		
408	Hs.104019	Transforming, acidic coiled-coil containing protein 3	Transforming, acidic coiled-coil containing protein 3 || AJ243997 || 4p16.3	AGI_HUM1_OLIGO_A_23_P212844		
409	Hs.288856	Prefoldin 5	Prefoldin 5 || AK024094 || 12q12	AGI_HUM1_OLIGO_A_23_P128183		
410	Hs.512636	Proline-rich nuclear receptor coactivator 2	Proline-rich nuclear receptor coactivator 2 || BC085018 || 1p35.11	AGI_HUM1_OLIGO_A_23_P103201		
411	Hs.517830	Biotinidase	Biotinidase || NM_000060 || 3p25	AGI_HUM1_OLIGO_A_23_P155348		
412	Hs.504550	RAD51 associated protein 1	RAD51 associated protein 1 || CR625391 || 12p13.2-p13.1	AGI_HUM1_OLIGO_A_23_P99292		
413	Hs.82222	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B || AF	AGI_HUM1_OLIGO_A_23_P132718		
414	Hs.524195	Rho GTPase activating protein 21	Rho GTPase activating protein 21 || AF480466 || 10p12.1	AGI_HUM1_OLIGO_A_23_P115605		
415	Hs.460789	Trinucleotide repeat containing 9	Trinucleotide repeat containing 9 || AK095095 || 16q12.1	AGI_HUM1_OLIGO_A_23_P54681		
416	Hs.81848	RAD21 homolog (S. pombe)	RAD21 homolog (S. pombe) || NM_006265 || 8q24	AGI_HUM1_OLIGO_A_23_P20463		
417	Hs.369042	Hypothetical protein FLJ20605	Hypothetical protein FLJ20605 || AK125512 || 1q41	AGI_HUM1_OLIGO_A_23_P200885		
418	Hs.268698	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like || AK127089 || 6q25.1	AGI_HUM1_OLIGO_A_23_P214907		
419	Hs.155519	MutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)	MutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) || AK223284 || 2p22-p21	AGI_HUM1_OLIGO_A_23_P102471		
420	Hs.279746	Transient receptor potential cation channel, subfamily V, member 2	Transient receptor potential cation channel, subfamily V, member 2 || AK126996 || 17p11.2	AGI_HUM1_OLIGO_A_23_P207911		
421	Hs.184062	Chromosome 20 open reading frame 24	Chromosome 20 open reading frame 24 || BG482041 || 20q11.23	AGI_HUM1_OLIGO_A_23_P102582		
422	Hs.321541	RAB11A, member RAS oncogene family	RAB11A, member RAS oncogene family || BC013348 || 15q21.3-q22.31	AGI_HUM1_OLIGO_A_23_P77142		
423	Hs.3352	Histone deacetylase 2	Histone deacetylase 2 || AB209190 || 6q21	AGI_HUM1_OLIGO_A_23_P122304		
424	Hs.330384	Coronin, actin binding protein, 1C	Coronin, actin binding protein, 1C || NM_014325 || 12q24.1	AGI_HUM1_OLIGO_A_23_P53456		
425	Hs.435730	Iroquois homeobox protein 5	Iroquois homeobox protein 5 || AY335945 || 16q11.2-q13	AGI_HUM1_OLIGO_A_23_P9779		
426	Hs.528763	Small nuclear ribonucleoprotein polypeptide A'	Small nuclear ribonucleoprotein polypeptide A' || AK090986 || 15q26.3	AGI_HUM1_OLIGO_A_23_P14683		
427	Hs.531561	Epithelial membrane protein 2	Epithelial membrane protein 2 || AK096403 || 16p13.2	AGI_HUM1_OLIGO_A_23_P106682		
428	Hs.470477	Protein tyrosine phosphatase type IVA, member 2	Protein tyrosine phosphatase type IVA, member 2 || NM_003479 || 1p35	AGI_HUM1_OLIGO_A_23_P200414		
429	Hs.438720	MCM7 minichromosome maintenance deficient 7 (S. cerevisiae)	MCM7 minichromosome maintenance deficient 7 (S. cerevisiae) || NM_182776 || 7q21.3-q22.1	AGI_HUM1_OLIGO_A_23_P93690		
430	Hs.191179	RAB11 family interacting protein 1 (class I)	RAB11 family interacting protein 1 (class I) || NM_001002814 || 8p11.22	AGI_HUM1_OLIGO_A_23_P31873		
431	Hs.307905	V-rel reticuloendotheliosis viral oncogene homolog B, nuclear factor of kappa light polypeptide g	V-rel reticuloendotheliosis viral oncogene homolog B, nuclear factor of kappa light polypeptide g	AGI_HUM1_OLIGO_A_23_P55706		
432	Hs.123253	SHC SH2-domain binding protein 1	SHC SH2-domain binding protein 1 || NM_024745 || 16q11.2	AGI_HUM1_OLIGO_A_23_P208544		
433	Hs.508950	Transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransfer	Transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransfer	AGI_HUM1_OLIGO_A_23_P65617		
434	Hs.191911	Nuclear factor I/A	Nuclear factor I/A || BX648791 || 1p31.3-p31.2	AGI_HUM1_OLIGO_A_23_P85682		
435	Hs.54470	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8 || NM_000352 || 11p15.1	AGI_HUM1_OLIGO_A_23_P24774		
436	Hs.19545	Frizzled homolog 4 (Drosophila)	Frizzled homolog 4 (Drosophila) || AB032417 || 11q14.2	AGI_HUM1_OLIGO_A_23_P64617		
437	Hs.111554	ADP-ribosylation factor-like 7	ADP-ribosylation factor-like 7 || NM_005737 || 2q37.1	AGI_HUM1_OLIGO_A_23_P251551		
438	Hs.534385	THO complex 4	THO complex 4 || BC279142 || 17q25.3	AGI_HUM1_OLIGO_A_23_P152984		
439	Hs.375707	Coiled-coil-helix-coiled-coil-helix domain containing 5	Coiled-coil-helix-coiled-coil-helix domain containing 5 || AK024631 || 2q13	AGI_HUM1_OLIGO_A_23_P154279		
440	Hs.446850	Chromosome 14 open reading frame 100	Chromosome 14 open reading frame 100 || AK126628 || 14q23.1	AGI_HUM1_OLIGO_A_23_P205580		
441	Hs.89497	Lamin B1	Lamin B1 || BC052851 || 5q23.3-q31.1	AGI_HUM1_OLIGO_A_23_P258493		
442	Hs.444468	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 || AF22	AGI_HUM1_OLIGO_A_23_P26263		
443	Hs.16349	Mitochondrial ribosomal protein L15	Mitochondrial ribosomal protein L15 || BQ278804 || 8q11.2-q13	AGI_HUM1_OLIGO_A_23_P94174		
444	Hs.532491	Cryptochrome 2 (photolyase-like)	Cryptochrome 2 (photolyase-like) || BC035161 || 11p11.2	AGI_HUM1_OLIGO_A_23_P127394	AGI_HUM1_OLIGO_A_23_P138787	
445	Hs.510402	Membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen)	Membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen) || BX537451	AGI_HUM1_OLIGO_A_23_P201758		
446	Hs.524399	Trophinin associated protein (tastin)	Trophinin associated protein (tastin) || AK122056 || 12q13.12	AGI_HUM1_OLIGO_A_23_P150935		
447	Hs.522730	G protein-coupled receptor associated sorting protein 1	G protein-coupled receptor associated sorting protein 1 || NM_014710 || Xq22.1	AGI_HUM1_OLIGO_A_23_P96590		
448	Hs.275464	Kallikrein 10	Kallikrein 10 || AK026045 || 19q13.3-q13.4	AGI_HUM1_OLIGO_A_23_P107911		
449	Hs.123464	Purinergic receptor P2Y, G-protein coupled, 5	Purinergic receptor P2Y, G-protein coupled, 5 || BC045651 || 13q14	AGI_HUM1_OLIGO_A_23_P27505		
450	Hs.534293	Serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	Serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	AGI_HUM1_OLIGO_A_23_P162916		
451	Hs.303476	Flavin containing monooxygenase 5	Flavin containing monooxygenase 5 || NM_001461 || 1q21.1	AGI_HUM1_OLIGO_A_23_P231		
452	Hs.479208	F-box and leucine-rich repeat protein 5	F-box and leucine-rich repeat protein 5 || NM_033535 || 4p15.33	AGI_HUM1_OLIGO_A_23_P213247		
453	Hs.124165	Mitochondrial ribosomal protein S30	Mitochondrial ribosomal protein S30 || BX538300 || 5q11	AGI_HUM1_OLIGO_A_23_P252369		
454	Hs.477481	MCM2 minichromosome maintenance deficient 2, mitotin (S. cerevisiae)	MCM2 minichromosome maintenance deficient 2, mitotin (S. cerevisiae) || NM_004526 || 3q21	AGI_HUM1_OLIGO_A_23_P250801		
455	Hs.510334	Serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	Serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	AGI_HUM1_OLIGO_A_23_P208355		
456	Hs.180535	UNC-112 related protein 2	UNC-112 related protein 2 || BC004347 || 11q13.1	AGI_HUM1_OLIGO_A_23_P64038		
457	Hs.12068	Carnitine acetyltransferase	Carnitine acetyltransferase || NM_000755 || 9q34.1	AGI_HUM1_OLIGO_A_23_P32196		
458	Hs.513726	Guanylate binding protein 5	Guanylate binding protein 5 || AK090479 || 1p22.2	AGI_HUM1_OLIGO_A_23_P74290		
459	Hs.72620	Chromosome 20 open reading frame 28	Chromosome 20 open reading frame 28 || NM_015417 || 20pter-q11.23	AGI_HUM1_OLIGO_A_23_P40280		
460	Hs.36794	Cyclin D-type binding-protein 1	Cyclin D-type binding-protein 1 || CR614852 || 15q14-q15	AGI_HUM1_OLIGO_A_23_P26243		
461	Hs.421907	Glioma tumor suppressor candidate region gene 2	Glioma tumor suppressor candidate region gene 2 || AK024486 || 19q13.3	AGI_HUM1_OLIGO_A_23_P39125		
462	Hs.479754	V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog || BC071593 || 4q11-q12	AGI_HUM1_OLIGO_A_23_P110253		
463	Hs.5719	Chromosome condensation-related SMC-associated protein 1	Chromosome condensation-related SMC-associated protein 1 || D63880 || 12p13.3	AGI_HUM1_OLIGO_A_23_P25293		
464	Hs.278857	Heterogeneous nuclear ribonucleoprotein H2 (H')	Heterogeneous nuclear ribonucleoprotein H2 (H') || CR624721 || Xq22	AGI_HUM1_OLIGO_A_23_P11283		

7p-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
465	Hs.546324	Guanine monphosphate synthetase	Guanine monphosphate synthetase || NM_003875 || 3q24	AGI_HUM1_OLIGO_A_23_P21033		
466	Hs.461647	KIAA0182 protein	KIAA0182 protein || NM_014615 || 16q24.1	AGI_HUM1_OLIGO_A_23_P152415		
467	Hs.433180	DNA replication complex GINS protein PSF2	DNA replication complex GINS protein PSF2 || AK091519 || 16q24.1	AGI_HUM1_OLIGO_A_23_P118246		
468	Hs.483036	Praja 2, RING-H2 motif containing	Praja 2, RING-H2 motif containing || NM_014819 || 5q21.3	AGI_HUM1_OLIGO_A_23_P133470		
469	Hs.449415	Eukaryotic translation initiation factor 2C, 2	Eukaryotic translation initiation factor 2C, 2 || BC054491 || 8q24	AGI_HUM1_OLIGO_A_23_P112159		
470	Hs.272499	Dehydrogenase/reductase (SDR family) member 2	Dehydrogenase/reductase (SDR family) member 2 || AB209853 || 14q11.2	AGI_HUM1_OLIGO_A_23_P48570		
471	Hs.370927	Hypothetical protein PRO1855	Hypothetical protein PRO1855 || AK025328 || 17q21.33	AGI_HUM1_OLIGO_A_23_P207491		
472	Hs.546239	Alpha-2-glycoprotein 1, zinc	Alpha-2-glycoprotein 1, zinc || BC014470 || 7q22.1	AGI_HUM1_OLIGO_A_23_P71270		
473	Hs.101774	Chromosome 20 open reading frame 23	Chromosome 20 open reading frame 23 || AY166853 || 20p11.23	AGI_HUM1_OLIGO_A_23_P17503		
474	Hs.546418	Zinc finger protein 339	Zinc finger protein 339 || AK022284 || 20pter-q11.23	AGI_HUM1_OLIGO_A_23_P143348		
475	Hs.49688	Actin binding LIM protein family, member 3	Actin binding LIM protein family, member 3 || AB020650 || 5q32	AGI_HUM1_OLIGO_A_23_P256204		
476	Hs.188881	Hypothetical protein FLJ34633	Hypothetical protein FLJ34633 || AK091952 || 1p36.11	AGI_HUM1_OLIGO_A_23_P800		
477	Hs.72071	Potassium channel tetramerisation domain containing 9	Potassium channel tetramerisation domain containing 9 || AL117436 || 8p21.1	AGI_HUM1_OLIGO_A_23_P43226		
478	Hs.75668	Hypothetical protein FLJ14490	Hypothetical protein FLJ14490 || AF370364 || 1p34.2	AGI_HUM1_OLIGO_A_23_P154235		
479	Hs.433845	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)	Keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types) || M2	AGI_HUM1_OLIGO_A_23_P218040		
480	Hs.514289	Homeo box B2	Homeo box B2 || NM_002145 || 17q21-q22	AGI_HUM1_OLIGO_A_23_P107283		
481	Hs.438533	Polymerase (DNA directed) iota	Polymerase (DNA directed) iota || BC032617 || 18q21.1	AGI_HUM1_OLIGO_A_23_P4462		
482	Hs.133539	Microtubule associated serine/threonine kinase family member 4	Microtubule associated serine/threonine kinase family member 4 || XM_291141 || 5q12.3	AGI_HUM1_OLIGO_A_23_P110571		
483	Hs.413835	Sin3-associated polypeptide, 30kDa	Sin3-associated polypeptide, 30kDa || BC016757 || 4q34.1	AGI_HUM1_OLIGO_A_23_P121602		
484	Hs.54483	N-myc (and STAT) interactor	N-myc (and STAT) interactor || AK124323 || 2p24.3-q21.3	AGI_HUM1_OLIGO_A_23_P154235		
485	Hs.163617	Claudin 23	Claudin 23 || BC016047 || 8p23.1	AGI_HUM1_OLIGO_A_23_P134854		
486	Hs.173092	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 1	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 1 || AB014602 || 15q22	AGI_HUM1_OLIGO_A_23_P205910		
487	Hs.533977	Thioredoxin interacting protein	Thioredoxin interacting protein || NM_006472 || 1q21.1	AGI_HUM1_OLIGO_A_23_P97700		
488	Hs.446520	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 2 || NM_003046 || 8	AGI_HUM1_OLIGO_A_23_P255837		
489	Hs.406658	Cyclin E2	Cyclin E2 || NM_057749 || 8q22.1	AGI_HUM1_OLIGO_A_23_P215976		
490	Hs.374596	Tumor protein, translationally-controlled 1	Tumor protein, translationally-controlled 1 || BC033621 || 13q12-q14	AGI_HUM1_OLIGO_A_23_P53797		
491	Hs.210532	KIAA0141	KIAA0141 || NM_014773 || 5q31.3	AGI_HUM1_OLIGO_A_23_P213369		
492	Hs.297304	Glycosyltransferase 8 domain containing 1	Glycosyltransferase 8 domain containing 1 || NM_001010983 || 3p21.1	AGI_HUM1_OLIGO_A_23_P132669		
493	Hs.513915	Claudin 7	Claudin 7 || CR594337 || 17p13	AGI_HUM1_OLIGO_A_23_P164283		
494	Hs.334832	NAD(P)H:quinone oxidoreductase type 3, polypeptide A2	NAD(P)H:quinone oxidoreductase type 3, polypeptide A2 || AK123705 || 1p36.13-q41	AGI_HUM1_OLIGO_A_23_P52101		
495	Hs.506761	Solute carrier family 16 (monocarboxylic acid transporters), member 3	Solute carrier family 16 (monocarboxylic acid transporters), member 3 || AK127319 || 17q25	AGI_HUM1_OLIGO_A_23_P147345	AGI_HUM1_OLIGO_A_23_P158725	
496	Hs.86368	Calmegin	Calmegin || AK093096 || 4q28.3-q31.1	AGI_HUM1_OLIGO_A_23_P18684		
497	Hs.251673	DNA (cytosine-5-)-methyltransferase 3 beta	DNA (cytosine-5-)-methyltransferase 3 beta || NM_006892 || 20q11.2	AGI_HUM1_OLIGO_A_23_P28953		
498	Hs.4944	Chromosome 9 open reading frame 58	Chromosome 9 open reading frame 58 || AK126526 || 9q34.13-q34.3	AGI_HUM1_OLIGO_A_23_P94380		
499	Hs.134434	Ovo-like 1(Drosophila)	Ovo-like 1(Drosophila) || BC059408 || 11q13	AGI_HUM1_OLIGO_A_23_P202810		
500	Hs.396393	Ubiquitin-conjugating enzyme E2S	Ubiquitin-conjugating enzyme E2S || BM479313 || 19q13.43	AGI_HUM1_OLIGO_A_23_P55769		
501	Hs.227817	BCL2-related protein A1	BCL2-related protein A1 || BF677029 || 15q24.3	AGI_HUM1_OLIGO_A_23_P151985		
502	Hs.93304	Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) || BC025674 || 6	AGI_HUM1_OLIGO_A_23_P145096		
503	Hs.181326	Myotubularin related protein 2	Myotubularin related protein 2 || NM_201278 || 11q22	AGI_HUM1_OLIGO_A_23_P64018		
504	Hs.62661	Guanylate binding protein 1, interferon-inducible, 67kDa	Guanylate binding protein 1, interferon-inducible, 67kDa || AB208912 || 1p22.2	AGI_HUM1_OLIGO_A_23_P62890		
505	Hs.517582	MCM5 minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)	MCM5 minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae) || AB2096	AGI_HUM1_OLIGO_A_23_P132277		
506	Hs.7946	Mitochondrial tumor suppressor 1	Mitochondrial tumor suppressor 1 || NM_001010927 || 8p22	AGI_HUM1_OLIGO_A_23_P94358		
507	Hs.159799	Thyroid hormone receptor associated protein 2	Thyroid hormone receptor associated protein 2 || NM_015335 || 12q24.21	AGI_HUM1_OLIGO_A_23_P47991		
508	Hs.511668	Vacuolar protein sorting 13C (yeast)	Vacuolar protein sorting 13C (yeast) || AJ608771 || 15q22.2	AGI_HUM1_OLIGO_A_23_P205228		
509	Hs.444448	Potassium channel, subfamily K, member 5	Potassium channel, subfamily K, member 5 || BC060793 || 6p21	AGI_HUM1_OLIGO_A_23_P30728		
510	Hs.480938	LPS-responsive vesicle trafficking, beach and anchor containing	LPS-responsive vesicle trafficking, beach and anchor containing || AF467287 || 4q31.23-q31.3	AGI_HUM1_OLIGO_A_23_P251992		
511	Hs.334370	Brain expressed, X-linked 1	Brain expressed, X-linked 1 || BM804232 || Xq21-q23	AGI_HUM1_OLIGO_A_23_P159952		
512	Hs.253594	Trichorhinophalangeal syndrome I	Trichorhinophalangeal syndrome I || NM_014112 || 8q24.12	AGI_HUM1_OLIGO_A_23_P134755		
513	Hs.533710	Fibronectin leucine rich transmembrane protein 2	Fibronectin leucine rich transmembrane protein 2 || NM_013231 || 14q24-q32	AGI_HUM1_OLIGO_A_23_P89802		
514	Hs.307529	Kinesin family member 15	Kinesin family member 15 || NM_020242 || 3p21.31	AGI_HUM1_OLIGO_A_23_P80902		
515	Hs.116651	Epithelial V-like antigen 1	Epithelial V-like antigen 1 || NM_005797 || 11q24	AGI_HUM1_OLIGO_A_23_P150379		
516	Hs.375957	Integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage ant	Integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage ant	AGI_HUM1_OLIGO_A_23_P211180		
517	Hs.13155	Integrin, beta 5	Integrin, beta 5 || AK091595 || 3q21.2	AGI_HUM1_OLIGO_A_23_P166627		
518	Hs.507798	Lipoma HMGIC fusion partner	Lipoma HMGIC fusion partner || CR749848 || 13q12	AGI_HUM1_OLIGO_A_23_P88069		
519	Hs.109438	Potassium channel tetramerisation domain containing 12	Potassium channel tetramerisation domain containing 12 || AF359381 || 13q22.3	AGI_HUM1_OLIGO_A_23_P128674		
520	Hs.477959	Seven in absentia homolog 2 (Drosophila)	Seven in absentia homolog 2 (Drosophila) || NM_005067 || 3q25	AGI_HUM1_OLIGO_A_23_P69121		
521	Hs.182014	Hematopoietic protein 1	Hematopoietic protein 1 || NM_006337 || 12q13.1	AGI_HUM1_OLIGO_A_23_P128195		
522	Hs.25647	V-fos FBJ murine osteosarcoma viral oncogene homolog	V-fos FBJ murine osteosarcoma viral oncogene homolog || BX647104 || 14q24.3	AGI_HUM1_OLIGO_A_23_P106192		

ZP-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID
523	Hs.146969	Cingulin-like 1	*Cingulin-like 1 || NM_032866 || 15q21.3*	*AGI_HUM1_OLIGO_A_23_P163306*	
524	Hs.112949	Chromosome 1 open reading frame 34	Chromosome 1 open reading frame 34 || AB007921 || 1p32.3	AGI_HUM1_OLIGO_A_23_P160214	
525	Hs.437474	RIO kinase 1 (yeast)	RIO kinase 1 (yeast) || BC006104 || 6p24.3	AGI_HUM1_OLIGO_A_23_P42432	
526	Hs.425427	Hypothetical protein FLJ20425	Hypothetical protein FLJ20425 || AK000432 || 4p16.3	AGI_HUM1_OLIGO_A_23_P41327	
527	Hs.517227	Junctional adhesion molecule 2	Junctional adhesion molecule 2 || NM_021219 || 21q21.2	AGI_HUM1_OLIGO_A_23_P120567	
528	Hs.106880	Bystin-like	Bystin-like || AK095263 || 6p21.1	AGI_HUM1_OLIGO_A_23_P145794	
529	Hs.12813	TCDD-inducible poly(ADP-ribose) polymerase	*TCDD-inducible poly(ADP-ribose) polymerase || CR749647 || 3q25.31*	AGI_HUM1_OLIGO_A_23_P143845	
530	Hs.274313	Insulin-like growth factor binding protein 6	Insulin-like growth factor binding protein 6 || BM913156 || 12q13	AGI_HUM1_OLIGO_A_23_P128520	
531	Hs.325667	Thrombospondin, type I, domain containing 1	Thrombospondin, type I, domain containing 1 || AK096289 || 13q14.3	AGI_HUM1_OLIGO_A_23_P14184	
532	Hs.461571	Ubiquinol-cytochrome c reductase hinge protein	Ubiquinol-cytochrome c reductase hinge protein || BF127835 || 1p34.1	AGI_HUM1_OLIGO_A_23_P200118	
533	Hs.35096	Zinc finger and BTB domain containing 4	Zinc finger and BTB domain containing 4 || BC043352 || 17p13.1	AGI_HUM1_OLIGO_A_23_P100653	
534	Hs.167531	Methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Methylcrotonoyl-Coenzyme A carboxylase 2 (beta) || AK094987 || 5q12-q13	AGI_HUM1_OLIGO_A_23_P18897	
535	Hs.330653	Hypothetical protein FLJ20641	Hypothetical protein FLJ20641 || AK000648 || 12q23.3	AGI_HUM1_OLIGO_A_23_P87769	
536	Hs.494321	ATP/GTP binding protein 1	ATP/GTP binding protein 1 || AB028956 || 9q21.33	AGI_HUM1_OLIGO_A_23_P169277	
537	Hs.440379	Rho GTPase-activating protein	Rho GTPase-activating protein || AL833062 || 11q24-q25	AGI_HUM1_OLIGO_A_23_P161686	
538	Hs.104570	Kallikrein 8 (neuropsin/ovasin)	Kallikrein 8 (neuropsin/ovasin) || BC040887 || 19q13.3-q13.4	AGI_HUM1_OLIGO_A_23_P130694	
539	Hs.495728	Pilrin (iron-binding nuclear protein)	Pilrin (iron-binding nuclear protein) || BX537579 || Xp22.2	AGI_HUM1_OLIGO_A_23_P137035	
540	Hs.275775	Selenoprotein P, plasma, 1	Selenoprotein P, plasma, 1 || BC030009 || 5q31	AGI_HUM1_OLIGO_A_23_P121926	
541	Hs.74034	Caveolin 1, caveolae protein, 22kDa	Caveolin 1, caveolae protein, 22kDa || NM_001753 || 7q31.1	AGI_HUM1_OLIGO_A_23_P134454	
542	Hs.9728	Armadillo repeat containing, X-linked 1	Armadillo repeat containing, X-linked 1 || AB039670 || Xq21.33-q22.2	AGI_HUM1_OLIGO_A_23_P22682	
543	Hs.221889	Cold shock domain protein A	*Cold shock domain protein A || AB209695 || 12p13.1*	AGI_HUM1_OLIGO_A_23_P25229	
544	Hs.422889	Nudix (nucleoside diphosphate linked moiety X)-type motif 6	Nudix (nucleoside diphosphate linked moiety X)-type motif 6 || AB209758 || 4q26	AGI_HUM1_OLIGO_A_23_P155857	
545	Hs.431498	Forkhead box P1	Forkhead box P1 || BX538242 || 3p14.1	AGI_HUM1_OLIGO_A_23_P155257	
546	Hs.171299	Zinc finger and BTB domain containing 16	*Zinc finger and BTB domain containing 16 || AB209916 || 11q23.1*	AGI_HUM1_OLIGO_A_23_P104804	
547	Hs.59554	Sestrin 1	Sestrin 1 || AK127043 || 6q21	AGI_HUM1_OLIGO_A_23_P93562	
548	Hs.533738	Hypothetical protein FLJ21827	Hypothetical protein FLJ21827 || NM_020153 || 11q23.3	AGI_HUM1_OLIGO_A_23_P116202	
549	Hs.501513	Comparative gene identification transcript 37	*Comparative gene identification transcript 37 || NM_016101 || 16q22.1*	AGI_HUM1_OLIGO_A_23_P54834	
550	Hs.188464	Mannosidase, alpha, class 2B, member 2	Mannosidase, alpha, class 2B, member 2 || AB023152 || 4p16.1	AGI_HUM1_OLIGO_A_23_P250372	
551	Hs.24719	Modulator of apoptosis 1	Modulator of apoptosis 1 || NM_022151 || 14q32	AGI_HUM1_OLIGO_A_23_P205389	
552	Hs.33455	*Peptidyl arginine deiminase, type II*	*Peptidyl arginine deiminase, type II || AB023211 || 1p35.2-p35.1*	AGI_HUM1_OLIGO_A_23_P201747	
553	Hs.549109	Protein tyrosine phosphatase, receptor type, T	Protein tyrosine phosphatase, receptor type, T || NM_133170 || 20q12-q13	AGI_HUM1_OLIGO_A_23_P135576	AGI_HUM1_OLIGO_A_23_P146970
554	Hs.330653	Basic helix-loop-helix domain containing, class B, 2	Basic helix-loop-helix domain containing, class B, 2 || NM_003670 || 3p26	AGI_HUM1_OLIGO_A_23_P57836	
555	Hs.108186	Ubiquitin-like, containing PHD and RING finger domains, 1	*Ubiquitin-like, containing PHD and RING finger domains, 1 || AK074377 || 19p13.3*	AGI_HUM1_OLIGO_A_23_P206880	
556	Hs.47166	Chromosome 3 open reading frame 14	Chromosome 3 open reading frame 14 || BM999794 || 3p14.2	AGI_HUM1_OLIGO_A_23_P29555	
557	Hs.293907	Family with sequence similarity 38, member B	*Family with sequence similarity 38, member B || AK056572 || 18p11.22*	AGI_HUM1_OLIGO_A_23_P130376	
558	Hs.83381	Guanine nucleotide binding protein (G protein), gamma 11	Guanine nucleotide binding protein (G protein), gamma 11 || BF971151 || 7q31-q32	AGI_HUM1_OLIGO_A_23_P111701	
559	Hs.447530	Hyaluronan and proteoglycan link protein 3	Hyaluronan and proteoglycan link protein 3 || BC053689 || 15q26.1	AGI_HUM1_OLIGO_A_23_P14754	
560	Hs.6985	Malrilin 3	*Malrilin 3 || NM_002387 || 2p24-p23*	AGI_HUM1_OLIGO_A_23_P102656	
561	Hs.75969	Proline-rich nuclear receptor coactivator 1	Proline-rich nuclear receptor coactivator 1 || NM_006813 || 6q15	AGI_HUM1_OLIGO_A_23_P143074	
562	Hs.477869	Phospholipid scramblase 4	Phospholipid scramblase 4 || BC028354 || 3q24	AGI_HUM1_OLIGO_A_23_P91912	
563	Hs.128165	Hypothetical protein FLJ14966	Hypothetical protein FLJ14966 || AK027872 || 11p15.3	AGI_HUM1_OLIGO_A_23_P2041	
564	Hs.156346	Topoisomerase (DNA) II alpha 170kDa	Topoisomerase (DNA) II alpha 170kDa || NM_001067 || 17q21-q22	AGI_HUM1_OLIGO_A_23_P118834	
565	Hs.108439	Osteoglycin (osteoinductive factor, mimecan)	Osteoglycin (osteoinductive factor, mimecan) || NM_033014 || 9q22	AGI_HUM1_OLIGO_A_23_P82990	
566	Hs.103147	*Sperm protein SSP411*	*Sperm protein SSP411 || AK125807 || 17q21.33*	AGI_HUM1_OLIGO_A_23_P118633	
567	Hs.485540	Primase, polypeptide 2A, 58kDa	Primase, polypeptide 2A, 58kDa || NM_000947 || 6p12-p11.1	AGI_HUM1_OLIGO_A_23_P44139	AGI_HUM1_OLIGO_A_23_P61009
568	Hs.477769	ATPase, Na+/K+ transporting, beta 3 polypeptide	*ATPase, Na+/K+ transporting, beta 3 polypeptide || AK094673 || 3q23*	AGI_HUM1_OLIGO_A_23_P68007	AGI_HUM1_OLIGO_A_23_P6951
569	Hs.518060	ADP-ribosylation-like factor 6 interacting protein 5	*ADP-ribosylation-like factor 6 interacting protein 5 || NM_006407 || 3p14*	AGI_HUM1_OLIGO_A_23_P166640	
570	Hs.550539	NudC domain containing 1	NudC domain containing 1 || BC043406 || 9q23	AGI_HUM1_OLIGO_A_23_P123343	
571	Hs.471405	Tubulin tyrosine ligase-like family, member 4	*Tubulin tyrosine ligase-like family, member 4 || D79995 || 2p24.3-p24.1*	AGI_HUM1_OLIGO_A_23_P142598	
572	Hs.467733	GREB1 protein	GREB1 protein || NM_014668 || 2p25.1	AGI_HUM1_OLIGO_A_23_P108862	
573	Hs.509264	Kelch domain containing 2	Kelch domain containing 2 || AK056298 || 14q21.3	AGI_HUM1_OLIGO_A_23_P54165	
574	Hs.500812	Beta-transducin repeat containing	*Beta-transducin repeat containing || NM_033637 || 10q24.32*	AGI_HUM1_OLIGO_A_23_P35427	AGI_HUM1_OLIGO_A_23_P46819
575	Hs.104320	Golgi autoantigen, golgin subfamily a, 5	Golgi autoantigen, golgin subfamily a, 5 || NM_005113 || 14q32.12-q32.13	AGI_HUM1_OLIGO_A_23_P3193	
576	Hs.87435	Rho guanine exchange factor (GEF) 16	Rho guanine exchange factor (GEF) 16 || CR609468 || 1p36.3	AGI_HUM1_OLIGO_A_23_P114670	
577	Hs.549157	Coenzyme Q4 homolog (yeast)	Coenzyme Q4 homolog (yeast) || AK126853 || 9q34.11	AGI_HUM1_OLIGO_A_23_P112493	
578	Hs.482976	*Hypothetical gene supported by AF038182; BC009203*	*Hypothetical gene supported by AF038182; BC009203 || BC009203 || 5q21.1*	AGI_HUM1_OLIGO_A_23_P122007	
579	Hs.291030	IQ motif containing GTPase activating protein 2	IQ motif containing GTPase activating protein 2 || NM_006633 || 5q13.3	AGI_HUM1_OLIGO_A_23_P2530002	
580	Hs.456267	Immunoglobulin (CD79A) binding protein 1	*Immunoglobulin (CD79A) binding protein 1 || AK054596 || Xq13.1-q13.3*	AGI_HUM1_OLIGO_A_23_P171249	

7P-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
581	Hs.530904	Cysteine and glycine-rich protein 2	Cysteine and glycine-rich protein 2 || AB209321 || 12q21.1	AGI_HUM1_OLIGO_A_23_P44724		
582	Hs.506803	DIP13 beta	DIP13 beta || BX649010 || 12q24.1	AGI_HUM1_OLIGO_A_23_P105747		
583	Hs.30246	Solute carrier family 19 (thiamine transporter), member 2	Solute carrier family 19 (thiamine transporter), member 2 || AJ237724 || 1q23.3	AGI_HUM1_OLIGO_A_23_P160465		
584	Hs.328865	Dynactin 4 (p62)	Dynactin 4 (p62) || AK125973 || 5q31-q32	AGI_HUM1_OLIGO_A_23_P251945		
585	Hs.50915	Kallikrein 5	Kallikrein 5 || AY359010 || 19q13.3-q13.4	AGI_HUM1_OLIGO_A_23_P153475		
586	Hs.483444	Chemokine (C-X-C motif) ligand 14	Chemokine (C-X-C motif) ligand 14 || NM_004887 || 5q31	AGI_HUM1_OLIGO_A_23_P213745		
587	Hs.494337	Golgi phosphoprotein 2	Golgi phosphoprotein 2 || NM_016548 || 9q21.33	AGI_HUM1_OLIGO_A_23_P146506		
588	Hs.62128	Trophoblast glycoprotein	Trophoblast glycoprotein || NM_006670 || 6q14-q15	AGI_HUM1_OLIGO_A_23_P59261		
589	Hs.147433	Proliferating cell nuclear antigen	Proliferating cell nuclear antigen || BE896331 || 20pter-p12	AGI_HUM1_OLIGO_A_23_P28866		
590	Hs.521459	ADAM-like, decysin 1	ADAM-like, decysin 1 || Y13323 || 8p21.2	AGI_HUM1_OLIGO_A_23_P256425		
591	Hs.415762	Lymphocyte antigen 6 complex, locus D	Lymphocyte antigen 6 complex, locus D || BC034542 || 8q24-qter	AGI_HUM1_OLIGO_A_23_P134764		
592	Hs.524161	Ras suppressor protein 1	Ras suppressor protein 1 || NM_012425 || 10p13	AGI_HUM1_OLIGO_A_23_P138417		
593	Hs.18376	Cingulin	Cingulin || AF283462 || 1q21	AGI_HUM1_OLIGO_A_23_P149388		
594	Hs.529798	Basic transcription factor 3	Basic transcription factor 3 || BX537826 || 5q13.2	AGI_HUM1_OLIGO_A_23_P213458		
595	Hs.510262	Membrane targeting (tandem) C2 domain containing 1	Membrane targeting (tandem) C2 domain containing 1 || NM_152332 || 14q32.12	AGI_HUM1_OLIGO_A_23_P88439		
596	Hs.445052	MutS homolog 6 (E. coli)	MutS homolog 6 (E. coli) || BC071594 || 2p16	AGI_HUM1_OLIGO_A_23_P102202		
597	Hs.276905	Microtubule associated serine/threonine kinase-like	Microtubule associated serine/threonine kinase-like || AK123004 || 10p12.1	AGI_HUM1_OLIGO_A_23_P201988		
598	Hs.105940	Jerky homolog-like (mouse)	Jerky homolog-like (mouse) || NM_003772 || 11q21	AGI_HUM1_OLIGO_A_23_P202737		
599	Hs.235774	High mobility group nucleosomal binding domain 4	High mobility group nucleosomal binding domain 4 || NM_006353 || 6p21.3	AGI_HUM1_OLIGO_A_23_P19389		
600	Hs.388733	Polyribonucleotide nucleotidyltransferase 1	Polyribonucleotide nucleotidyltransferase 1 || BC053660 || 2p15	AGI_HUM1_OLIGO_A_23_P154488		
601	Hs.170673	Epidermal retinal dehydrogenase 2	Epidermal retinal dehydrogenase 2 || NM_138969 || 8q12.1	AGI_HUM1_OLIGO_A_23_P257457		
602	Hs.49421	Hypothetical protein FLJ23129	Hypothetical protein FLJ23129 || AK127011 || 1p31.2	AGI_HUM1_OLIGO_A_23_P200670		
603	Hs.297413	Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) || BC00	AGI_HUM1_OLIGO_A_23_P40174		
604	Hs.183109	Monoamine oxidase A	Monoamine oxidase A || NM_000240 || Xp11.4-p11.3	AGI_HUM1_OLIGO_A_23_P83857	AGI_HUM1_OLIGO_A_23_P96410	
605	Hs.494870	B-box and SPRY domain containing	B-box and SPRY domain containing || AK092607 || 9q32	AGI_HUM1_OLIGO_A_23_P71946		
606	Hs.406861	Hydroxysteroid (17-beta) dehydrogenase 4	Hydroxysteroid (17-beta) dehydrogenase 4 || AB209932 || 5q21	AGI_HUM1_OLIGO_A_23_P92954		
607	Hs.466846	Interleukin 13 receptor, alpha 1	Interleukin 13 receptor, alpha 1 || Y10659 || Xq24	AGI_HUM1_OLIGO_A_23_P137196		
608	Hs.239154	Ankyrin repeat, family A (RFXANK-like), 2	Ankyrin repeat, family A (RFXANK-like), 2 || NM_023039 || 5q12-q13	AGI_HUM1_OLIGO_A_23_P159011	AGI_HUM1_OLIGO_A_23_P41634	
609	Hs.2128	Dual specificity phosphatase 5	Dual specificity phosphatase 5 || NM_004419 || 10q25	AGI_HUM1_OLIGO_A_23_P150016		
610	Hs.26010	Phosphofructokinase, platelet	Phosphofructokinase, platelet || AK126153 || 10p15.3-p15.2	AGI_HUM1_OLIGO_A_23_P46928		
611	Hs.508597	Integrin, beta-like 1 (with EGF-like repeat domains)	Integrin, beta-like 1 (with EGF-like repeat domains) || AK095102 || 13q33	AGI_HUM1_OLIGO_A_23_P113777		
612	Hs.435051	Cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	Cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) || NM_001800 || 19p13	AGI_HUM1_OLIGO_A_23_P89941		
613	Hs.288998	S100 calcium binding protein A14	S100 calcium binding protein A14 || BG674028 || 1q21.3	AGI_HUM1_OLIGO_A_23_P124619		
614	Hs.80976	Antigen identified by monoclonal antibody Ki-67	Antigen identified by monoclonal antibody Ki-67 || NM_002417 || 10q25-qter	AGI_HUM1_OLIGO_A_23_P202232		
615	Hs.512144	Chromosome 6 open reading frame 66	Chromosome 6 open reading frame 66 || CD555939 || 6q16.1	AGI_HUM1_OLIGO_A_23_P70617		
616	Hs.82028	Transforming growth factor, beta receptor II (70/80kDa)	Transforming growth factor, beta receptor II (70/80kDa) || BX648313 || 3p22	AGI_HUM1_OLIGO_A_23_P211957		
617	Hs.366189	G-2 and S-phase expressed 1	G-2 and S-phase expressed 1 || NM_016426 || 22q13.2-q13.3	AGI_HUM1_OLIGO_A_23_P57588		
618	Hs.368592	Sortilin-related receptor, L(DLR class) A repeats-containing	Sortilin-related receptor, L(DLR class) A repeats-containing || NM_003105 || 11q23.2-q24.2	AGI_HUM1_OLIGO_A_23_P87049		
619	Hs.495473	Notch homolog 1, translocation-associated (Drosophila)	Notch homolog 1, translocation-associated (Drosophila) || NM_017617 || 9q34.3	AGI_HUM1_OLIGO_A_23_P60393		
620	Hs.381099	Lymphocyte cytosolic protein 1 (L-plastin)	Lymphocyte cytosolic protein 1 (L-plastin) || NM_002298 || 13q14.3	AGI_HUM1_OLIGO_A_23_P204840		
621	Hs.304682	Cystatin C (amyloid angiopathy and cerebral hemorrhage)	Cystatin C (amyloid angiopathy and cerebral hemorrhage) || BX647623 || 20p11.21	AGI_HUM1_OLIGO_A_23_P154745		
622	Hs.840	Indoleamine-pyrrole 2,3 dioxygenase	Indoleamine-pyrrole 2,3 dioxygenase || M34455 || 8p12-p11	AGI_HUM1_OLIGO_A_23_P112026		
623	Hs.66170	SET and MYND domain containing 2	SET and MYND domain containing 2 || BC049367 || 1q41	AGI_HUM1_OLIGO_A_23_P170587		
624	Hs.525157	Tumor necrosis factor (ligand) superfamily, member 13b	Tumor necrosis factor (ligand) superfamily, member 13b || NM_006573 || 13q32-34	AGI_HUM1_OLIGO_A_23_P14174		
625	Hs.389374	Hypothetical protein LOC257106	Hypothetical protein LOC257106 || BX537846 || 1q23.3	AGI_HUM1_OLIGO_A_23_P35045		
626	Hs.173536	Protein kinase D3	Protein kinase D3 || NM_005813 || 2q21	AGI_HUM1_OLIGO_A_23_P108574		
627	Hs.656	Cell division cycle 25C	Cell division cycle 25C || BC039100 || 5q31	AGI_HUM1_OLIGO_A_23_P70249		
628	Hs.466502	Neuroblastoma RAS viral (v-ras) oncogene homolog	Neuroblastoma RAS viral (v-ras) oncogene homolog || X02751 || 1p13.2	AGI_HUM1_OLIGO_A_23_P63189		
629	Hs.375108	CD24 antigen (small cell lung carcinoma cluster 4 antigen)	CD24 antigen (small cell lung carcinoma cluster 4 antigen) || AK125531 || 6q21	AGI_HUM1_OLIGO_A_23_P114457		
630	Hs.473838	Down syndrome critical region gene 2	Down syndrome critical region gene 2 || CR624273 || 21q22.3	AGI_HUM1_OLIGO_A_23_P68717		
631	Hs.153692	Monogenic, audiogenic seizure susceptibility 1 homolog (mouse)	Monogenic, audiogenic seizure susceptibility 1 homolog (mouse) || AF435925 || 5q13	AGI_HUM1_OLIGO_A_23_P19134		
632	Hs.62165	Solute carrier family 9 (sodium/hydrogen exchanger), isoform 6	Solute carrier family 9 (sodium/hydrogen exchanger), isoform 6 || BC035029 || Xq26.3	AGI_HUM1_OLIGO_A_23_P22625		
633	Hs.553497	Phosphatidylinositol glycan, class H	Phosphatidylinositol glycan, class H || BC071849 || 14q11-q24	AGI_HUM1_OLIGO_A_23_P22884		
634	Hs.535901	Block of proliferation 1	Block of proliferation 1 || NM_015201 || 6q24.3	AGI_HUM1_OLIGO_A_23_P43800		
635	Hs.498317	CGI-146 protein	CGI-146 protein || NM_016076 || 1q44	AGI_HUM1_OLIGO_A_23_P201445		
636	Hs.513439	Galactosylceramidase (Krabbe disease)	Galactosylceramidase (Krabbe disease) || NM_000153 || 14q31	AGI_HUM1_OLIGO_A_23_P25964		
637	Hs.17109	Integral membrane protein 2A	Integral membrane protein 2A || AB209310 || Xq13.3-Xq21.2	AGI_HUM1_OLIGO_A_23_P171074		
638	Hs.348920	FSH primary response (LRPR1 homolog, rat) 1	FSH primary response (LRPR1 homolog, rat) 1 || NM_006733 || Xq22.1	AGI_HUM1_OLIGO_A_23_P252292		

TF-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
639	Hs.25338	Protease, serine, 23	Protease, serine, 23 || AL832007 || 11q14.1	AGI_HUM1_OLIGO_A_23_P150789		
640	Hs.531550	Transducer of ERBB2, 1	Transducer of ERBB2, 1 || BC031406 || 17q21	AGI_HUM1_OLIGO_A_23_P164179		
641	Hs.482390	Transforming growth factor, beta receptor III (betaglycan, 300kDa)	Transforming growth factor, beta receptor III (betaglycan, 300kDa) || L07594 || 1p33-p32	AGI_HUM1_OLIGO_A_23_P200780		
642	Hs.72550	Hyaluronan-mediated motility receptor (RHAMM)	Hyaluronan-mediated motility receptor (RHAMM) || AF032862 || 5q33.2-qter	AGI_HUM1_OLIGO_A_23_P70007		
643	Hs.416073	S100 calcium binding protein A8 (calgranulin A)	S100 calcium binding protein A8 (calgranulin A) || BG739729 || 1q21	AGI_HUM1_OLIGO_A_23_P200888		
644	Hs.424786	Tetratricopeptide repeat domain 13	Tetratricopeptide repeat domain 13 || NM_024525 || 1q42.2	AGI_HUM1_OLIGO_A_23_P103864		
645	Hs.534450	ORM1-like 2 (S. cerevisiae)	ORM1-like 2 (S. cerevisiae) || CR621685 || 12q13.2	AGI_HUM1_OLIGO_A_23_P87500		
646	Hs.368431	*Runt-related transcription factor 1; translocated to, 1 (cyclin D-related)*	Runt-related transcription factor 1; translocated to, 1 (cyclin D-related) || NM_004349 || 8q22	AGI_HUM1_OLIGO_A_23_P216307		
647	Hs.462893	Thyroid hormone receptor associated protein 4	Thyroid hormone receptor associated protein 4 || NM_014815 || 17q21.1	AGI_HUM1_OLIGO_A_23_P124760	AGI_HUM1_OLIGO_A_23_P136148	
648	Hs.315137	Alanyl-tRNA synthetase	Alanyl-tRNA synthetase || AK222824 || 16q22	AGI_HUM1_OLIGO_A_23_P89020		
649	Hs.446450	Integral membrane protein 2B	Integral membrane protein 2B || BX537657 || 13q14.3	AGI_HUM1_OLIGO_A_23_P139934		
650	*Hs.506748*	*Hepatoma-derived growth factor (high-mobility group protein 1-like)*	Hepatoma-derived growth factor (high-mobility group protein 1-like) || NM_004494 || 1q21-q23	AGI_HUM1_OLIGO_A_23_P149239		
651	Hs.2316	SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal)	SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal) || NM_0(	AGI_HUM1_OLIGO_A_23_P26843		
652	Hs.18676	Sprouty homolog 2 (Drosophila)	Sprouty homolog 2 (Drosophila) || BX648582 || 13q31.1	AGI_HUM1_OLIGO_A_23_P128698		
653	Hs.172052	Polo-like kinase 4 (Drosophila)	Polo-like kinase 4 (Drosophila) || NM_014264 || 4q27-q28	AGI_HUM1_OLIGO_A_23_P155968		
654	Hs.24950	Regulator of G-protein signalling 5	Regulator of G-protein signalling 5 || NM_003617 || 1q23.1	AGI_HUM1_OLIGO_A_23_P46045	AGI_HUM1_OLIGO_A_23_P51518	
655	Hs.372688	Rho-related BTB domain containing 2	Rho-related BTB domain containing 2 || AB018260 || 8p21.3	AGI_HUM1_OLIGO_A_23_P20423		
656	Hs.504765	Ets variant gene 6 (TEL oncogene)	Ets variant gene 6 (TEL oncogene) || NM_001987 || 12p13	AGI_HUM1_OLIGO_A_23_P105284		
657	Hs.204096	Secretoglobin, family 1D, member 2	Secretoglobin, family 1D, member 2 || AW015055 || 11q13	AGI_HUM1_OLIGO_A_23_P150555		
658	Hs.512973	Butyrate-induced transcript 1	Butyrate-induced transcript 1 || BX648759 || 15q22.2	AGI_HUM1_OLIGO_A_23_P99924		
659	Hs.494648	Testis expressed sequence 10	Testis expressed sequence 10 || AK000294 || 9q31.1	AGI_HUM1_OLIGO_A_23_P112412		
660	Hs.499000	DnaJ (Hsp40) homolog, subfamily C, member 1	DnaJ (Hsp40) homolog, subfamily C, member 1 || CR613772 || 10p12.31	AGI_HUM1_OLIGO_A_23_P127128		
661	*Hs.114062*	*Protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a*	Protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a || AY455942 ||	AGI_HUM1_OLIGO_A_23_P161352		
662	Hs.522054	Synaptotagmin-like 4 (granuphilin-a)	Synaptotagmin-like 4 (granuphilin-a) || AL832596 ||	AGI_HUM1_OLIGO_A_23_P11136		
663	Hs.460095	Chromosome 16 open reading frame 45	Chromosome 16 open reading frame 45 || AK092923 || 16p13.11	AGI_HUM1_OLIGO_A_23_P326319		
664	Hs.161640	Tyrosine aminotransferase	Tyrosine aminotransferase || NM_000353 || 16q22.1	AGI_HUM1_OLIGO_A_23_P206776		
665	*Hs.129758*	*Proline-serine-threonine phosphatase interacting protein 1*	Proline-serine-threonine phosphatase interacting protein 1 || CR593209 || 15q24-q25.1	AGI_HUM1_OLIGO_A_23_P49997		
666	Hs.370359	Nuclear factor I/B	Nuclear factor I/B || BX537698 || 9p24.1	AGI_HUM1_OLIGO_A_23_P216448		
667	Hs.533444	3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase (hydroxymethylglutaricaciduria)	3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase (hydroxymethylglutaricaciduria) || BG03356	AGI_HUM1_OLIGO_A_23_P145		
668	Hs.476052	SNF related kinase	SNF related kinase || CR749621 || 3p22.1	AGI_HUM1_OLIGO_A_23_P211985		
669	Hs.24763	RAN binding protein 1	RAN binding protein 1 || AK094410 || 22q11.21	AGI_HUM1_OLIGO_A_23_P91590		
670	Hs.432548	Chromosome 10 open reading frame 18	Chromosome 10 open reading frame 18 || XM_374765 || 10p15.1	AGI_HUM1_OLIGO_A_23_P24244		
671	Hs.150693	Activated leukocyte cell adhesion molecule	Activated leukocyte cell adhesion molecule || AL833702 || 3q13.1	AGI_HUM1_OLIGO_A_23_P41227		
672	Hs.274329	TP53 activated protein 1	TP53 activated protein 1 || BC068535 || 7q21.1	AGI_HUM1_OLIGO_A_23_P145895		
673	Hs.193491	Tubulin, beta 6	Tubulin, beta 6 || AK092677 || 18p11.21	AGI_HUM1_OLIGO_A_23_P254271		
674	Hs.414489	Potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	Potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3 || BC015947 || 2p24	AGI_HUM1_OLIGO_A_23_P120105		
675	Hs.46720	Transmembrane protease, serine 5 (spinesin)	Transmembrane protease, serine 5 (spinesin) || AF495727 || 11q	AGI_HUM1_OLIGO_A_23_P52797		
676	Hs.549192	Zinc finger, FYVE domain containing 21	Zinc finger, FYVE domain containing 21 || AK055909 || 14q32.33	AGI_HUM1_OLIGO_A_23_P14273		
677	Hs.469030	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclc	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclc	AGI_HUM1_OLIGO_A_23_P120315		
678	Hs.438824	CK2 interacting protein 1; HQ0024c protein	CK2 interacting protein 1; HQ0024c protein || AK125609 || 1q21.2	AGI_HUM1_OLIGO_A_23_P35114		
679	Hs.266728	Hypothetical protein FLJ13639	Hypothetical protein FLJ13639 || AK023701 || 13q14.3	AGI_HUM1_OLIGO_A_23_P205200		
680	*Hs.501574*	*A disintegrin and metalloproteinase domain 8*	A disintegrin and metalloproteinase domain 8 || NM_001109 || 10q26.3	AGI_HUM1_OLIGO_A_23_P115759		
681	Hs.529846	Calcium modulating ligand	Calcium modulating ligand || NM_001745 || 5q23	AGI_HUM1_OLIGO_A_23_P213728		
682	Hs.497159	Chromosome 1 open reading frame 21	Chromosome 1 open reading frame 21 || NM_030806 || 1q25	AGI_HUM1_OLIGO_A_23_P113161		
683	Hs.551530	Trans-prenyltransferase	Trans-prenyltransferase || AB209763 || 10p12.1	AGI_HUM1_OLIGO_A_23_P161152		
684	Hs.492314	Lysosomal associated protein transmembrane 4 beta	Lysosomal associated protein transmembrane 4 beta || BC038117 || 8q22.1	AGI_HUM1_OLIGO_A_23_P59926		
685	Hs.530003	Solute carrier family 2 (facilitated glucose/fructose transporter), member 5	Solute carrier family 2 (facilitated glucose/fructose transporter), member 5 || BC035878 || 1p36.2	AGI_HUM1_OLIGO_A_23_P160159		
686	Hs.60339	N-myristoyltransferase 2	N-myristoyltransferase 2 || NM_004808 || 10p13	AGI_HUM1_OLIGO_A_23_P138686		
687	Hs.36761	HRAS-like suppressor	HRAS-like suppressor || BC005856 || 3q29	AGI_HUM1_OLIGO_A_23_P57658		
688	Hs.442658	Aurora kinase B	Aurora kinase B || CD045340 || 17p13.1	AGI_HUM1_OLIGO_A_23_P130182		
689	Hs.122514	Mitochondrial solute carrier protein	Mitochondrial solute carrier protein || AK127666 || 8p21.2	AGI_HUM1_OLIGO_A_23_P216004		
690	Hs.511151	ORM1-like 3 (S. cerevisiae)	ORM1-like 3 (S. cerevisiae) || AK093065 || 17q12-q21.1	AGI_HUM1_OLIGO_A_23_P129824	AGI_HUM1_OLIGO_A_23_P38190	
691	Hs.520506	F-box protein 5	F-box protein 5 || AK055221 || 6q25-q26	AGI_HUM1_OLIGO_A_23_P8241		
692	Hs.175322	Ubiquitin specific protease 13 (isopeptidase T-3)	Ubiquitin specific protease 13 (isopeptidase T-3) || BC049199 || 3q26.2-q28.3	AGI_HUM1_OLIGO_A_23_P40989		
693	Hs.943	Interleukin 32	CREBBP/EP300 inhibitor 1 || BF569086 || 16p13.3	AGI_HUM1_OLIGO_A_23_P15146		
694	Hs.255973	CREBBP/EP300 Inhibitor 1	Cellular retinoic acid binding protein 1 || NM_014335 || 15q21.1-q21.2	AGI_HUM1_OLIGO_A_23_P54276		
695	Hs.346950	Cellular retinoic acid binding protein 1	Chromatin modifying protein 4C || AK096006 || 15q24	AGI_HUM1_OLIGO_A_23_P117882		
696	Hs.183861	Chromatin modifying protein 4C	Chromatin modifying protein 4C || NM_152284 || 8q21.13	AGI_HUM1_OLIGO_A_23_P43019		

TP-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID
697	Hs.276878	Nucleoporin 93kDa	Nucleoporin 93kDa || AK056637 || 16q13	AGI_HUM1_OLIGO_A_23_P89056	
698	Hs.18616	Leucine zipper protein 5	Leucine zipper protein 5 || BX537845 || 7q36.3	AGI_HUM1_OLIGO_A_23_P168747	
699	Hs.153752	Cell division cycle 25B	Cell division cycle 25B || NM_021874 || 20p13	AGI_HUM1_OLIGO_A_23_P210726	
700	Hs.376996	Hyperparathyroidism 2 (with jaw tumor)	Hyperparathyroidism 2 (with jaw tumor) || NM_024529 || 1q25	AGI_HUM1_OLIGO_A_23_P137731	
701	Hs.493309	KIAA0020	KIAA0020 || AL832245 || 9p24.2	AGI_HUM1_OLIGO_A_23_P20683	
702	Hs.433839	Eukaryotic translation elongation factor 1 alpha 2	Eukaryotic translation elongation factor 1 alpha 2 || AB209064 || 20q13.3	AGI_HUM1_OLIGO_A_23_P258033	
703	Hs.16184	RAD17 homolog (S. pombe)	RAD17 homolog (S. pombe) || AF076838 || 5q13	AGI_HUM1_OLIGO_A_23_P159053	
704	Hs.530331	Pyruvate dehydrogenase (lipoamide) alpha 1	Pyruvate dehydrogenase (lipoamide) alpha 1 || BC036317 || Xp22.2-p22.1	AGI_HUM1_OLIGO_A_23_P251095	
705	Hs.440401	All-trans-13,14-dihydroretinol saturase	All-trans-13,14-dihydroretinol saturase || BC066517 || 2p11.2	AGI_HUM1_OLIGO_A_23_P209946	
706	Hs.79018	Chromatin assembly factor 1, subunit A (p150)	Chromatin assembly factor 1, subunit A (p150) || NM_005483 || 19p13.3	AGI_HUM1_OLIGO_A_23_P208896	
707	Hs.531642	RAB11 family interacting protein 3 (class II)	RAB11 family interacting protein 3 (class II) || BC051360 || 16p13.3	AGI_HUM1_OLIGO_A_23_P108727	
708	Hs.518608	Morf4 family associated protein 1-like 1	Morf4 family associated protein 1-like 1 || AF258591 || 4p16.1	AGI_HUM1_OLIGO_A_23_P133058	
709	Hs.446685	Peroxisomal long-chain acyl-coA thioesterase	Peroxisomal long-chain acyl-coA thioesterase || NM_006821 || 14q24.3	AGI_HUM1_OLIGO_A_23_P3111	
710	Hs.523375	KIAA0514	KIAA0514 || NM_014696 || 10q11.22	AGI_HUM1_OLIGO_A_23_P98115	
711	Hs.301526	Tripartite motif-containing 45	Tripartite motif-containing 45 || AY659488 || 1p13.1	AGI_HUM1_OLIGO_A_23_P160518	
712	Hs.413801	Proteasome (prosome, macropain) activator subunit 4	Proteasome (prosome, macropain) activator subunit 4 || NM_014614 || 2p16.3	AGI_HUM1_OLIGO_A_23_P79628	
713	Hs.481720	Myosin X	Myosin X || ABD18342 || 5p15.1-p14.3	AGI_HUM1_OLIGO_A_23_P7596	
714	Hs.514167	Keratin 19	Keratin 19 || BG292068 || 17q21.2	AGI_HUM1_OLIGO_A_23_P66798	
715	Hs.445890	HSPC163 protein	HSPC163 protein || BX649076 || 1q42.12	AGI_HUM1_OLIGO_A_23_P200507	
716	Hs.34114	ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide	ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide || NM_000702 || 1q21-q23	AGI_HUM1_OLIGO_A_23_P148879	
717	Hs.371021	Lysosomal associated multispanning membrane protein 5	Lysosomal associated multispanning membrane protein 5 || CR607037 || 1p34	AGI_HUM1_OLIGO_A_23_P86283	
718	Hs.188569	Zinc finger, DHHC domain containing 13	Zinc finger, DHHC domain containing 13 || BC036020 || 11p15.1	AGI_HUM1_OLIGO_A_23_P13065	
719	Hs.478150	Programmed cell death 10	Programmed cell death 10 || BC002506 || 3q26.1	AGI_HUM1_OLIGO_A_23_P18325	
720	Hs.434953	High-mobility group box 2	High-mobility group box 2 || CR600021 || 4q31	AGI_HUM1_OLIGO_A_23_P155765	
721	Hs.25640	Claudin 3	Claudin 3 || BM701226 || 7q11.23	AGI_HUM1_OLIGO_A_23_P71017	
722	Hs.35198	Ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	Ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function) || BX647968 || 6p21.1-q AGI_HUM1_OLIGO_A_23_P214244		
723	Hs.280932	Peroxisomal biogenesis factor 7	Peroxisomal biogenesis factor 7 || BC031606 || 6q21-q22.2	AGI_HUM1_OLIGO_A_23_P93543	
724	Hs.292097	SEC15-like 1 (S. cerevisiae)	SEC15-like 1 (S. cerevisiae) || AK126190 || 10q23.33	AGI_HUM1_OLIGO_A_23_P169576	
725	Hs.515100	Peroxisomal biogenesis factor 11 gamma	Peroxisomal biogenesis factor 11 gamma || AK127684 || 19p13.2	AGI_HUM1_OLIGO_A_23_P101410	
726	Hs.520619	Hypothetical protein FLJ20485	Hypothetical protein FLJ20485 || NM_019042 || 7q22.3	AGI_HUM1_OLIGO_A_23_P82478	
727	Hs.269944	Mitochondrial carrier homolog 2 (C. elegans)	Mitochondrial carrier homolog 2 (C. elegans) || AY380792 || 11p11.2	AGI_HUM1_OLIGO_A_23_P64010	
728	Hs.336219	Peroxisome biogenesis factor 13	Peroxisome biogenesis factor 13 || AK093866 || 2p14-p16	AGI_HUM1_OLIGO_A_23_P257131	
729	Hs.127032	Relaxin 2	Relaxin 2 || NM_005059 || 9p24.1	AGI_HUM1_OLIGO_A_23_P216454	
730	Hs.515601	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 6	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 6 || AGI_HUM1_OLIGO_A_23_P208500		
731	Hs.352018	Transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) || BX648013 || 6p21.3	AGI_HUM1_OLIGO_A_23_P59005	
732	Hs.150718	Junctional adhesion molecule 3	Junctional adhesion molecule 3 || NM_032801 || 11q25	AGI_HUM1_OLIGO_A_23_P217998	
733	Hs.486835	Chromosome 6 open reading frame 96	Chromosome 6 open reading frame 96 || AK000634 || 6q25.1	AGI_HUM1_OLIGO_A_23_P70708	
734	Hs.277035	Monoglyceride lipase	Monoglyceride lipase || NM_007283 || 3q21.3	AGI_HUM1_OLIGO_A_23_P80438	
735	Hs.326035	Early growth response 1	Early growth response 1 || NM_001964 || 5q31.1	AGI_HUM1_OLIGO_A_23_P214080	
736	Hs.130759	Phospholipid scramblase 1	Phospholipid scramblase 1 || AB006746 || 3q23	AGI_HUM1_OLIGO_A_23_P69109	
737	Hs.365861	Kelch-like 7 (Drosophila)	Kelch-like 7 (Drosophila) || NM_018846 || 7p15.3	AGI_HUM1_OLIGO_A_23_P215517	
738	Hs.498397	CGI-49 protein	CGI-49 protein || NM_016002 || 1q44	AGI_HUM1_OLIGO_A_23_P62807	
739	Hs.436367	Laminin, alpha 3	Laminin, alpha 3 || NM_198129 || 18q11.2	AGI_HUM1_OLIGO_A_23_P89780	
740	Hs.492555	Enhancer of yellow 2 homolog (Drosophila)	Enhancer of yellow 2 homolog (Drosophila) || AK095651 || 8q23.1	AGI_HUM1_OLIGO_A_23_P82748	
741	Hs.528334	Fatty acid amide hydrolase	Fatty acid amide hydrolase || NM_001441 || 1p35-p34	AGI_HUM1_OLIGO_A_23_P103223	
742	Hs.546386	Carbohydrate (chondroitin 4) sulfotransferase 11	Carbohydrate (chondroitin 4) sulfotransferase 11 || AL833176 || 12q	AGI_HUM1_OLIGO_A_23_P139919	
743	Hs.31439	Serine protease inhibitor, Kunitz type, 2	Serine protease inhibitor, Kunitz type, 2 || AK127479 || 19q13.1	AGI_HUM1_OLIGO_A_23_P27795	
744	Hs.271135	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1 || BF131627 || AGI_HUM1_OLIGO_A_23_P63649		
745	Hs.335614	SEC14-like 2 (S. cerevisiae)	SEC14-like 2 (S. cerevisiae) || AB033012 || 22q12.2	AGI_HUM1_OLIGO_A_23_P17809	
746	Hs.198363	MCM10 minichromosome maintenance deficient 10 (S. cerevisiae)	MCM10 minichromosome maintenance deficient 10 (S. cerevisiae) || AL136840 || 10p13	AGI_HUM1_OLIGO_A_23_P161474	
747	Hs.80342	Keratin 15	Keratin 15 || AK122884 || 17q21.2	AGI_HUM1_OLIGO_A_23_P27133	
748	Hs.224607	Syndecan 1	Syndecan 1 || NM_001006946 || 2p24.1	AGI_HUM1_OLIGO_A_23_P16944	
749	Hs.463421	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3 || NM_020038 || 17q22	AGI_HUM1_OLIGO_A_23_P207507	
750	Hs.110675	Apolipoprotein C-I	Apolipoprotein C-I || AJ249921 || 19q13.2	AGI_HUM1_OLIGO_A_23_P4649	
751	Hs.337295	Stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)	Stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein) || BC039299 || 11q13	AGI_HUM1_OLIGO_A_23_P113078	AGI_HUM1_OLIGO_A_23_P124470
752	Hs.130989	Sodium channel, nonvoltage-gated 1 alpha	Sodium channel, nonvoltage-gated 1 alpha || AK172792 || 12p13	AGI_HUM1_OLIGO_A_23_P128323	
753	Hs.372914	N-myc downstream regulated gene 1	N-myc downstream regulated gene 1 || AK124709 || 8q24.3	AGI_HUM1_OLIGO_A_23_P20494	
754	Hs.59757	Zinc finger protein 281	Zinc finger protein 281 || BC050820 || 1q32.1	AGI_HUM1_OLIGO_A_23_P149615	

7P-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
755	Hs.54697	Cdc42 guanine nucleotide exchange factor (GEF) 9	Cdc42 guanine nucleotide exchange factor (GEF) 9 || NM_015185 || Xq11.2	AGI_HUM1_OLIGO_A_23_P251701		
756	Hs.482625	Cardiomyopathy associated 5	Cardiomyopathy associated 5 || NM_153610 || 5q14.1	AGI_HUM1_OLIGO_A_23_P124946		
757	Hs.94865	TEA domain family member 4	TEA domain family member 4 || NM_003213 || 12p13.2-p13.3	AGI_HUM1_OLIGO_A_23_P32758	AGI_HUM1_OLIGO_A_23_P94795	
758	Hs.435063	Rho GTPase activating protein 22	Rho GTPase activating protein 22 || BC047096 || 10q11.22	AGI_HUM1_OLIGO_A_23_P75310		
759	Hs.524138	Brain-specific angiogenesis inhibitor 2	Brain-specific angiogenesis inhibitor 2 || NM_001703 || 1p35	AGI_HUM1_OLIGO_A_23_P148019		
760	Hs.8859	Calcium activated nucleotidase 1	Calcium activated nucleotidase 1 || NM_138793 || 17q25.3	AGI_HUM1_OLIGO_A_23_P26756		
761	Hs.165195	VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa	VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa || NM_003574 || 18p	AGI_HUM1_OLIGO_A_23_P207957		
762	Hs.3416	Adipose differentiation-related protein	Adipose differentiation-related protein || NM_001122 || 9p22.1	AGI_HUM1_OLIGO_A_23_P134953		
763	Hs.497788	Glutamyl-prolyl-tRNA synthetase	Glutamyl-prolyl-tRNA synthetase || NM_004446 || 1q41-q42	AGI_HUM1_OLIGO_A_23_P97632		
764	Hs.501140	KIAA1598	KIAA1598 || AK091578 || 10q25.3	AGI_HUM1_OLIGO_A_23_P202587		
765	Hs.534395	Plakophilin 3	Plakophilin 3 || NM_007183 || 11p15	AGI_HUM1_OLIGO_A_23_P95810		
766	Hs.29068	Hypothetical protein DKFZp761P0423	Hypothetical protein DKFZp761P0423 || XM_291277 || 8p23.1	AGI_HUM1_OLIGO_A_23_P250212		
767	Hs.187376	Tetratricopeptide repeat domain 10	Tetratricopeptide repeat domain 10 || AK126568 || 13q12.11	AGI_HUM1_OLIGO_A_23_P48339		
768	Hs.530272	Similar to RIKEN cDNA 5730528L13 gene	Similar to RIKEN cDNA 5730528L13 gene || AK092292 || 9q31.1	AGI_HUM1_OLIGO_A_23_P146584		
769	Hs.11463	UMP-CMP kinase	UMP-CMP kinase || AK025268 ||	AGI_HUM1_OLIGO_A_23_P115366		
770	Hs.476415	Adaptor protein containing pH domain, PTB domain and leucine zipper motif 1	Adaptor protein containing pH domain, PTB domain and leucine zipper motif 1 || NM_012096 || 3	AGI_HUM1_OLIGO_A_23_P166663		
771	Hs.522373	Gelsolin (amyloidosis, Finnish type)	Gelsolin (amyloidosis, Finnish type) || AK125819 || 9q33	AGI_HUM1_OLIGO_A_23_P255884		
772	Hs.532359	Ribosomal protein L5	Ribosomal protein L5 || AK095815 || 1p22.1	AGI_HUM1_OLIGO_A_23_P12133		
773	Hs.397638	WD repeat domain 5	WD repeat domain 5 || NM_017588 || 9q34	AGI_HUM1_OLIGO_A_23_P32558		
774	Hs.466507	Liver-specific bHLH-Zip transcription factor	Liver-specific bHLH-Zip transcription factor || AK126834 || 19q13.12	AGI_HUM1_OLIGO_A_23_P142389		
775	Hs.533747	Hypothetical protein MGC13183	Hypothetical protein MGC13183 || AK027638 || 12p13.33	AGI_HUM1_OLIGO_A_23_P99172		
776	Hs.7735	Mitochondrial ribosomal protein L27	Mitochondrial ribosomal protein L27 || NM_148571 || 17q21.3-q22	AGI_HUM1_OLIGO_A_23_P49768		
777	Hs.89404	Msh homeo box homolog 2 (Drosophila)	Msh homeo box homolog 2 (Drosophila) || D89377 || 5q34-q35	AGI_HUM1_OLIGO_A_23_P213910		
778	Hs.518750	OCIA domain containing 1	OCIA domain containing 1 || AK123529 || 4p11	AGI_HUM1_OLIGO_A_23_P213093		
779	Hs.78482	Paralemmin	Paralemmin || NM_002579 || 19p13.3	AGI_HUM1_OLIGO_A_23_P206991		
780	Hs.370457	LETM1 domain containing 1	LETM1 domain containing 1 || AK123080 || 12q13.12	AGI_HUM1_OLIGO_A_23_P117037		
781	Hs.1600	Chaperonin containing TCP1, subunit 5 (epsilon)	Chaperonin containing TCP1, subunit 5 (epsilon) || NM_012073 || 5p15.2	AGI_HUM1_OLIGO_A_23_P257863		
782	Hs.6551	ATPase, H+ transporting, lysosomal accessory protein 1	ATPase, H+ transporting, lysosomal accessory protein 1 || AK090462 || Xq28	AGI_HUM1_OLIGO_A_23_P250462		
783	Hs.211600	Tumor necrosis factor, alpha-induced protein 3	Tumor necrosis factor, alpha-induced protein 3 || BC041790 || 6q23	AGI_HUM1_OLIGO_A_23_P156898		
784	Hs.339811	UDP glycosyltransferase 2 family, polypeptide B11	UDP glycosyltransferase 2 family, polypeptide B11 || AK124272 || 4q13.2	AGI_HUM1_OLIGO_A_23_P212968		
785	Hs.1051	Granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	Granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) || BQ052893 ||	AGI_HUM1_OLIGO_A_23_P117602		
786	Hs.479491	Putative NFkB activating protein 373	Putative NFkB activating protein 373 || BX647545 || 1p31.2	AGI_HUM1_OLIGO_A_23_P200653		
787	Hs.461113	Cirrhosis, autosomal recessive 1A (cirrhin)	Cirrhosis, autosomal recessive 1A (cirrhin) || AB075868 || 16q22.1	AGI_HUM1_OLIGO_A_23_P54626		
788	Hs.57652	Cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila) || AF234897	AGI_HUM1_OLIGO_A_23_P201576		
789	Hs.472847	Chromosome 20 open reading frame 35	Chromosome 20 open reading frame 35 || AL390160 || 20q13.12	AGI_HUM1_OLIGO_A_23_P219986	AGI_HUM1_OLIGO_A_23_P28772	
790	Hs.445758	E2F transcription factor 5, p130-binding	E2F transcription factor 5, p130-binding || AB209185 || 8q21.2	AGI_HUM1_OLIGO_A_23_P31713		
791	Hs.926	Myxovirus (influenza virus) resistance 2 (mouse)	Myxovirus (influenza virus) resistance 2 (mouse) || AK122952 || 21q22.3	AGI_HUM1_OLIGO_A_23_P6263		
792	Hs.549043	Insulin-like growth factor 2 (somatomedin A)	Insulin-like growth factor 2 (somatomedin A) || AK074614 || 11p15.5	AGI_HUM1_OLIGO_A_23_P203458		
793	Hs.492516	Prefoldin 2	Prefoldin 2 || BF203500 || 1q23.3	AGI_HUM1_OLIGO_A_23_P51906		
794	Hs.31564	FRAS1 related extracellular matrix 1	FRAS1 related extracellular matrix 1 || BX648240 || 9p22.3	AGI_HUM1_OLIGO_A_23_P43334		
795	Hs.116935	Zinc finger protein 521	Zinc finger protein 521 || AK027354 || 18q11.2	AGI_HUM1_OLIGO_A_23_P159027		
796	Hs.488173	Hypothetical protein MGC7036	Hypothetical protein MGC7036 || AK054942 || 12q24.31	AGI_HUM1_OLIGO_A_23_P76109		
797	Hs.546467	Epithelial stromal interaction 1 (breast)	Epithelial stromal interaction 1 (breast) || AL831953 || 13q13.3	AGI_HUM1_OLIGO_A_23_P105794		
798	Hs.503860	6-pyruvoyltetrahydropterin synthase	6-pyruvoyltetrahydropterin synthase || BG249563 || 11q22.3-q23.3	AGI_HUM1_OLIGO_A_23_P127579		
799	Hs.75573	Centromere protein E, 312kDa	Centromere protein E, 312kDa || NM_001813 || 4q24-q25	AGI_HUM1_OLIGO_A_23_P253524		
800	Hs.550491	Histone 1, H2ak	Histone 1, H2ak || BC034487 || 6p22-p21.3	AGI_HUM1_OLIGO_A_23_P42220		
801	Hs.47649	Methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	Methylcrotonoyl-Coenzyme A carboxylase 1 (alpha) || BC042453 || 3q27	AGI_HUM1_OLIGO_A_23_P58035		
802	Hs.398157	Polo-like kinase 2 (Drosophila)	Polo-like kinase 2 (Drosophila) || AF059617 || 5q12.1-q13.2	AGI_HUM1_OLIGO_A_23_P30254		
803	Hs.170019	Runt-related transcription factor 3	Runt-related transcription factor 3 || NM_004350 || 1p36	AGI_HUM1_OLIGO_A_23_P51231		
804	Hs.371013	Jumonji domain containing 2B	Jumonji domain containing 2B || AB020683 || 19p13.3	AGI_HUM1_OLIGO_A_23_P165051		
805	Hs.266273	Chromosome 20 open reading frame 172	Chromosome 20 open reading frame 172 || BC026011 || 20q11.23	AGI_HUM1_OLIGO_A_23_P165937		
806	Hs.202453	V-myc myelocytomatosis viral oncogene homolog (avian)	V-myc myelocytomatosis viral oncogene homolog (avian) || NM_002467 || 8q24.12-q24.13	AGI_HUM1_OLIGO_A_23_P215956		
807	Hs.546305	Transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C)	Transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C) || AK057889 || 8q21.11	AGI_HUM1_OLIGO_A_23_P60028		
808	Hs.87016	Hypothetical protein FLJ10647	Hypothetical protein FLJ10647 || BM911450 || 1p34.3	AGI_HUM1_OLIGO_A_23_P62830		
809	Hs.404802	Histone deacetylase 11	Histone deacetylase 11 || AL834223 || 3p25.1	AGI_HUM1_OLIGO_A_23_P155358		
810	Hs.531666	Chemokine (C-X3-C motif) ligand 1	Chemokine (C-X3-C motif) ligand 1 || AB209037 || 16q13	AGI_HUM1_OLIGO_A_23_P37727		
811	Hs.492407	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide ||	AGI_HUM1_OLIGO_A_23_P71290		
812	Hs.410497	Brain protein I3	Brain protein I3 || BU585543 || 7q21.3	AGI_HUM1_OLIGO_A_23_P122915		

ZP-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID
813	Hs.369232	Erythrocyte membrane protein band 4.1 like 5	Erythrocyte membrane protein band 4.1 like 5 || BC054508 || 2q14.2	AGI_HUM1_OLIGO_A_23_P209298	
814	Hs.75367	Src-like-adaptor	Src-like-adaptor || BX647669 || 8q22.3-qter	AGI_HUM1_OLIGO_A_23_P216340	
815	Hs.118681	V-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	V-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) || NM_001982 || 12q13	AGI_HUM1_OLIGO_A_23_P203855	
816	Hs.458276	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon || BC063609	AGI_HUM1_OLIGO_A_23_P30655	
817	Hs.499115	TAR (HIV) RNA binding protein 1	TAR (HIV) RNA binding protein 1 || U38847 || 1q42.3	AGI_HUM1_OLIGO_A_23_P52056	
818	Hs.87889	Dicer1, Dcr-1 homolog (Drosophila)	Dicer1, Dcr-1 homolog (Drosophila) || NM_177438 || 14q32.13	AGI_HUM1_OLIGO_A_23_P37111	
819	Hs.56729	Lymphocyte-specific protein 1	Lymphocyte-specific protein 1 || AK056576 || 11p15.5	AGI_HUM1_OLIGO_A_23_P13382	
820	Hs.317192	DnaJ (Hsp40) homolog, subfamily B, member 11	DnaJ (Hsp40) homolog, subfamily B, member 11 || BC046500 || 3q27.3	AGI_HUM1_OLIGO_A_23_P166899	
821	Hs.4747	Dyskeratosis congenita 1, dyskerin	Dyskeratosis congenita 1, dyskerin || BC009928 || Xq28	AGI_HUM1_OLIGO_A_23_P137143	
822	Hs.192854	Rhotekin	Rhotekin || NM_033046 || 2p13.1	AGI_HUM1_OLIGO_A_23_P120054	
823	Hs.444247	Mal3 and SOK1-related kinase	Mal3 and SOK1-related kinase || BC070056 || Xq26.2	AGI_HUM1_OLIGO_A_23_P21017	
824	Hs.181042	Dmx-like 1	Dmx-like 1 || AJ005821 || 5q22	AGI_HUM1_OLIGO_A_23_P113582	AGI_HUM1_OLIGO_A_23_P250571
825	Hs.171626	S-phase kinase-associated protein 1A (p19A)	S-phase kinase-associated protein 1A (p19A) || NM_006930 || 5q31	AGI_HUM1_OLIGO_A_23_P133424	
826	Hs.517586	Myoglobin	Myoglobin || BF670653 || 22q13.1	AGI_HUM1_OLIGO_A_23_P6433	
827	Hs.406551	Similar to RIKEN cDNA 4921524J17	Similar to RIKEN cDNA 4921524J17 || BX647945 || 16q11.2	AGI_HUM1_OLIGO_A_23_P49279	
828	Hs.272848	Hypothetical protein FLJ21019	Hypothetical protein FLJ21019 || AB208939 || 17q21.2	AGI_HUM1_OLIGO_A_23_P152755	
829	Hs.516633	NCK-associated protein 1	NCK-associated protein 1 || AB011159 || 2q32	AGI_HUM1_OLIGO_A_23_P73239	
830	Hs.333823	Mitochondrial ribosomal protein L13	Mitochondrial ribosomal protein L13 || AK123239 || 8q22.1-q22.3	AGI_HUM1_OLIGO_A_23_P44974	
831	Hs.400095	Heat shock 22kDa protein 8	Heat shock 22kDa protein 8 || NM_014365 || 12q24.23	AGI_HUM1_OLIGO_A_23_P162579	
832	Hs.386470	Neuromedin B	Neuromedin B || BE781314 || 15q22-qter	AGI_HUM1_OLIGO_A_23_P88522	
833	Hs.380403	Polycomb group ring finger 4	Polycomb group ring finger 4 || NM_005189 || 10p11.23	AGI_HUM1_OLIGO_A_23_P115732	
834	Hs.201671	SRY (sex determining region Y)-box 13	SRY (sex determining region Y)-box 13 || NM_005686 || 1q32	AGI_HUM1_OLIGO_A_23_P85703	
835	Hs.333297	Hypothetical protein LOC339745	Hypothetical protein LOC339745 || BC071613 || 2q22.1	AGI_HUM1_OLIGO_A_23_P79681	
836	Hs.241575	N-acetylglucosamine-1-phosphotransferase, gamma subunit	N-acetylglucosamine-1-phosphotransferase, gamma subunit || AK126110 || 16p13.3	AGI_HUM1_OLIGO_A_23_P14886	
837	Hs.526735	Zinc finger, MYND domain containing 10	Zinc finger, MYND domain containing 10 || AB209621 || 3p21.3	AGI_HUM1_OLIGO_A_23_P29663	
838	Hs.149443	Cytochrome b-561 domain containing 2	Cytochrome b-561 domain containing 2 || BX641103 || 3p21.3	AGI_HUM1_OLIGO_A_23_P121326	
839	Hs.260041	O-acetyltransferase	O-acetyltransferase || BC063284 || 7q21.3	AGI_HUM1_OLIGO_A_23_P215607	
840	Hs.276770	CD52 antigen (CAMPATH-1 antigen)	CD52 antigen (CAMPATH-1 antigen) || BU739882 || 1p36	AGI_HUM1_OLIGO_A_23_P85800	
841	Hs.204749	Protein tyrosine phosphatase, non-receptor type 14	Protein tyrosine phosphatase, non-receptor type 14 || NM_005401 || 1q32.2	AGI_HUM1_OLIGO_A_23_P149111	
842	Hs.111903	Fc fragment of IgG, receptor, transporter, alpha	Fc fragment of IgG, receptor, transporter, alpha || AK074734 || 19q13.3	AGI_HUM1_OLIGO_A_23_P55936	
843	Hs.505077	Chromosome 12 open reading frame 11	Chromosome 12 open reading frame 11 || BC003081 || 12p11.23	AGI_HUM1_OLIGO_A_23_P36464	
844	Hs.282984	Dehydrogenase/reductase (SDR family) member 8	Dehydrogenase/reductase (SDR family) member 8 || AY358553 || 4q22.1	AGI_HUM1_OLIGO_A_23_P21644	
845	Hs.283683	Chromosome 8 open reading frame 4	Chromosome 8 open reading frame 4 || CR600720 || 8p11.2	AGI_HUM1_OLIGO_A_23_P253345	
846	Hs.444028	Cytoskeleton associated protein 2	Cytoskeleton associated protein 2 || NM_018204 || 13q14	AGI_HUM1_OLIGO_A_23_P151405	
847	Hs.18442	E-1 enzyme	E-1 enzyme || AF113125 || 4q21.3	AGI_HUM1_OLIGO_A_23_P121806	
848	Hs.127788	Hypothetical protein FLJ12078	Hypothetical protein FLJ12078 || BX536123 || 5q15	AGI_HUM1_OLIGO_A_23_P156067	
849	Hs.11590	Cathepsin F	Cathepsin F || BC013359 || 11q13	AGI_HUM1_OLIGO_A_23_P24433	
850	Hs.26530	Serum deprivation response (phosphatidylserine binding protein)	Serum deprivation response (phosphatidylserine binding protein) || NM_004657 || 2q32-q33	AGI_HUM1_OLIGO_A_23_P72668	
851	Hs.127799	Baculoviral IAP repeat-containing 3	Baculoviral IAP repeat-containing 3 || NM_001165 || 11q22	AGI_HUM1_OLIGO_A_23_P98350	
852	Hs.525709	Hypothetical protein FLJ20607	Hypothetical protein FLJ20607 || BQ935360 || 12q24.22	AGI_HUM1_OLIGO_A_23_P76538	
853	Hs.237856	Solute carrier family 15, member 3	Solute carrier family 15, member 3 || AK127216 || 11q12.2	AGI_HUM1_OLIGO_A_23_P75780	
854	Hs.2785	Keratin 17	Keratin 17 || BX647923 || 17q12-q21	AGI_HUM1_OLIGO_A_23_P98149	
855	Hs.145575	Ubiquitin-like 3	Ubiquitin-like 3 || BC044582 || 13q12-q13	AGI_HUM1_OLIGO_A_23_P140029	
856	Hs.22543	Ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome	Ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome	AGI_HUM1_OLIGO_A_23_P48790	
857	Hs.5210	Glia maturation factor, gamma	Glia maturation factor, gamma || BG259135 || 19q13.2	AGI_HUM1_OLIGO_A_23_P208866	
858	Hs.408557	Elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2 || BC050278 || 6p	AGI_HUM1_OLIGO_A_23_P251606	
859	Hs.389438	KIAA0590 gene product	KIAA0590 gene product || AB209020 || 16p13.3	AGI_HUM1_OLIGO_A_23_P140725	
860	Hs.412019	Chromosome 6 open reading frame 80	Chromosome 6 open reading frame 80 || AK092592 || 6q23.1-q24.1	AGI_HUM1_OLIGO_A_23_P31085	
861	Hs.412842	Chromosome 10 open reading frame 7	Chromosome 10 open reading frame 7 || AK023925 || 10p13	AGI_HUM1_OLIGO_A_23_P150035	
862	Hs.306122	Inositol 1,3,4-triphosphate 5/6 kinase	Inositol 1,3,4-triphosphate 5/6 kinase || AK024867 || 14q31	AGI_HUM1_OLIGO_A_23_P37399	
863	Hs.484738	Myosin regulatory light chain interacting protein	Myosin regulatory light chain interacting protein || NM_013262 || 6p23-p22.3	AGI_HUM1_OLIGO_A_23_P31034	
864	Hs.182385	Hepsin (transmembrane protease, serine 1)	Hepsin (transmembrane protease, serine 1) || AK125670 || 19q11-q13.2	AGI_HUM1_OLIGO_A_23_P101801	
865	Hs.445628	Ribosomal protein S4, X-linked	Ribosomal protein S4, X-linked || BM994563 || Xq13.1	AGI_HUM1_OLIGO_A_23_P125519	
866	Hs.376208	Lymphotoxin beta (TNF superfamily, member 3)	Lymphotoxin beta (TNF superfamily, member 3) || AK095821 || 6p21.3	AGI_HUM1_OLIGO_A_23_P93348	AGI_HUM1_OLIGO_A_23_P157460
867	Hs.435535	Zinc finger protein 395	Zinc finger protein 395 || NM_018660 || 8p21.1	AGI_HUM1_OLIGO_A_23_P146077	
868	Hs.438662	EPS8-like 1	EPS8-like 1 || AF370395 || 19q13.42	AGI_HUM1_OLIGO_A_23_P208779	
869	Hs.103527	SH2 domain protein 2A	SH2 domain protein 2A || NM_003975 || 1q21	AGI_HUM1_OLIGO_A_23_P160618	
870	Hs.122926	Nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	Nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) || NM_000176 || 5q3	AGI_HUM1_OLIGO_A_23_P214059	

7P-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
871	Hs.544577	Glyceraldehyde-3-phosphate dehydrogenase	Glyceraldehyde-3-phosphate dehydrogenase || BF983396 || 12p13	AGI_HUM1_OLIGO_A_23_P13897		
872	Hs.31130	Transmembrane 7 superfamily member 2	Transmembrane 7 superfamily member 2 || AF023676 || 11q13	AGI_HUM1_OLIGO_A_23_P127426		
873	Hs.1908	Proteoglycan 1, secretory granule	Proteoglycan 1, secretory granule || CD356027 || 10q22.1	AGI_HUM1_OLIGO_A_23_P86653		
874	Hs.487471	Hypothetical protein FLJ20171	Hypothetical protein FLJ20171 || BX647570 || 8q22.1	AGI_HUM1_OLIGO_A_23_P259127		
875	Hs.23198	Chromosome 1 open reading frame 31	Chromosome 1 open reading frame 31 || CR602593 || 1q42.2	AGI_HUM1_OLIGO_A_23_P63459		
876	Hs.149305	Hypothetical protein MGC2603	Hypothetical protein MGC2603 || AK024326 || 1p36.11	AGI_HUM1_OLIGO_A_23_P160537		
877	Hs.522891	Chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	Chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1) || BX647204 || 10q11.1	AGI_HUM1_OLIGO_A_23_P202448		
878	Hs.58324	A disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggr	A disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggr	AGI_HUM1_OLIGO_A_23_P40415		
879	Hs.68297	Serine/threonine kinase 17b (apoptosis-inducing)	Serine/threonine kinase 17b (apoptosis-inducing) || BC052561 || 2q32.3	AGI_HUM1_OLIGO_A_23_P154367		
880	Hs.516777	SH3-domain binding protein 4	SH3-domain binding protein 4 || BC057396 || 2q37.1-q37.2	AGI_HUM1_OLIGO_A_23_P79259		
881	Hs.492869	Family with sequence similarity 49, member B	Family with sequence similarity 49, member B || CR749528 || 8q24.21	AGI_HUM1_OLIGO_A_23_P43255		
882	Hs.508148	Abl-interactor 1	Abl-interactor 1 || NM_005470 || 10p11.2	AGI_HUM1_OLIGO_A_23_P126992		
883	Hs.44298	Mitochondrial ribosomal protein S17	Mitochondrial ribosomal protein S17 || AK026553 || 7p11	AGI_HUM1_OLIGO_A_23_P258321		
884	Hs.368610	3'-phosphoadenosine 5'-phosphosulfate synthase 1	3'-phosphoadenosine 5'-phosphosulfate synthase 1 || NM_005443 || 4q24	AGI_HUM1_OLIGO_A_23_P144465		
885	Hs.442657	TBC1 domain family, member 8 (with GRAM domain)	TBC1 domain family, member 8 (with GRAM domain) || AB024057 || 2q11.2	AGI_HUM1_OLIGO_A_23_P253281		
886	Hs.473721	Solute carrier family 2 (facilitated glucose transporter), member 1	Solute carrier family 2 (facilitated glucose transporter), member 1 || NM_006516 || 1p35-p31.3	AGI_HUM1_OLIGO_A_23_P571		
887	Hs.511425	Signal recognition particle 9kDa	Signal recognition particle 9kDa || BC054351 || 1q42.12	AGI_HUM1_OLIGO_A_23_P45928		
888	Hs.515126	Intercellular adhesion molecule 1 (CD54), human rhinovirus receptor	Intercellular adhesion molecule 1 (CD54), human rhinovirus receptor || BC015989 || 19p13.3-p13	AGI_HUM1_OLIGO_A_23_P153320		
889	Hs.9315	Olfactomedin-like 3	Olfactomedin-like 3 || AK076544 || 1p13.2	AGI_HUM1_OLIGO_A_23_P115172		
890	Hs.533736	RNA binding motif protein 7	RNA binding motif protein 7 || AB209753 || 11q23.1-q23.2	AGI_HUM1_OLIGO_A_23_P138975		
891	Hs.532353	F-box protein 16	F-box protein 16 || NM_172366 || 8p21.1	AGI_HUM1_OLIGO_A_23_P36985		
892	Hs.298813	Scavenger receptor class B, member 1	Scavenger receptor class B, member 1 || AB209436 || 12q24.31	AGI_HUM1_OLIGO_A_23_P203900		
893	Hs.110757	DNA segment on chromosome 21 (unique) 2056 expressed sequence	DNA segment on chromosome 21 (unique) 2056 expressed sequence || NM_003683 || 21q22.3	AGI_HUM1_OLIGO_A_23_P80129		
894	Hs.46924	Armadillo repeat containing, X-linked 2	Armadillo repeat containing, X-linked 2 || BC052628 || Xq21.33-q22.2	AGI_HUM1_OLIGO_A_23_P73750		
895	Hs.435560	SCY1-like 3 (S. cerevisiae)	SCY1-like 3 (S. cerevisiae) || BX647352 || 1q24.2	AGI_HUM1_OLIGO_A_23_P74320		
896	Hs.19492	Protocadherin 8	Protocadherin 8 || AF061573 || 13q14.3-q21.1	AGI_HUM1_OLIGO_A_23_P36985		
897	Hs.523852	Cyclin D1 (PRAD1: parathyroid adenomatosis 1)	Cyclin D1 (PRAD1: parathyroid adenomatosis 1) || NM_053056 || 11q13	AGI_HUM1_OLIGO_A_23_P202837		
898	Hs.177576	Hypothetical protein MGC52110	Hypothetical protein MGC52110 || AK128365 ||	AGI_HUM1_OLIGO_A_23_P28507		
899	Hs.549185	PEST-containing nuclear protein	PEST-containing nuclear protein || BX647886 || 3q12.3	AGI_HUM1_OLIGO_A_23_P155332		
900	Hs.459319	Myelin protein zero-like 1	Myelin protein zero-like 1 || NM_003953 || 1q24.2	AGI_HUM1_OLIGO_A_23_P11874	AGI_HUM1_OLIGO_A_23_P476	
901	Hs.514718	Chromosome 18 open reading frame 43	Chromosome 18 open reading frame 43 || CR627465 || 18p11.21	AGI_HUM1_OLIGO_A_23_P38677		
902	Hs.171695	Dual specificity phosphatase 1	Dual specificity phosphatase 1 || AK127679 || 5q34	AGI_HUM1_OLIGO_A_23_P110712		
903	Hs.443057	CD53 antigen	CD53 antigen || BC035456 || 1p13	AGI_HUM1_OLIGO_A_23_P74538		
904	Hs.369779	Sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)	Sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) || NM_012238 || 10	AGI_HUM1_OLIGO_A_23_P96022		
905	Hs.458283	Glutaredoxin 2	Glutaredoxin 2 || BM908128 || 1q31.2-q31.3	AGI_HUM1_OLIGO_A_23_P160503		
906	Hs.519346	Erbb2 interacting protein	Erbb2 interacting protein || NM_018695 || 5q12.3	AGI_HUM1_OLIGO_A_23_P30175		
907	Hs.695	Cystatin B (stefin B)	Cystatin B (stefin B) || CR591371 || 21q22.3	AGI_HUM1_OLIGO_A_23_P154889		
908	Hs.241517	Polymerase (DNA directed), theta	Polymerase (DNA directed), theta || CR936827 || 3q13.33	AGI_HUM1_OLIGO_A_23_P218827		
909	Hs.514681	Mitogen-activated protein kinase kinase kinase 4	Mitogen-activated protein kinase kinase kinase 4 || AK131544 || 17p11.2	AGI_HUM1_OLIGO_A_23_P152667		
910	Hs.369089	Collagen, type IV, alpha 5 (Alport syndrome)	Collagen, type IV, alpha 5 (Alport syndrome) || NM_033380 || Xq22	AGI_HUM1_OLIGO_A_23_P45365		
911	Hs.171426	Nuclear receptor coactivator 7	Nuclear receptor coactivator 7 || AL834442 || 6q22.32	AGI_HUM1_OLIGO_A_23_P156957		
912	Hs.481704	Hypothetical protein FLJ20152	Hypothetical protein FLJ20152 || AL832438 || 5p15.1	AGI_HUM1_OLIGO_A_23_P167599		
913	Hs.146246	Hypothetical protein MGC45780	Hypothetical protein MGC45780 || NM_173833 || 6p21.1	AGI_HUM1_OLIGO_A_23_P94103		
914	Hs.532851	Ribonuclease H2, large subunit	Ribonuclease H2, large subunit || CR619517 || 19p13.13	AGI_HUM1_OLIGO_A_23_P164826		
915	Hs.309813	CGI-12 protein	CGI-12 protein || NM_015942 || 8q22.1	AGI_HUM1_OLIGO_A_23_P43071		
916	Hs.156316	Decorin	Decorin || NM_001920 || 12q13.2	AGI_HUM1_OLIGO_A_23_P64873		
917	Hs.104476	Hypothetical protein MGC17299	Hypothetical protein MGC17299 || BC072393 || 1p34.2	AGI_HUM1_OLIGO_A_23_P115022		
918	Hs.437388	Phosphatidylinositol glycan, class T	Phosphatidylinositol glycan, class T || AK123590 || 20q12-q13.12	AGI_HUM1_OLIGO_A_23_P79942		
919	Hs.246381	CD68 antigen	CD68 antigen || BC015557 || 17p13	AGI_HUM1_OLIGO_A_23_P15394		
920	Hs.2962	S100 calcium binding protein P	S100 calcium binding protein P || CA313584 || 4p16	AGI_HUM1_OLIGO_A_23_P58266		
921	Hs.518805	High mobility group AT-hook 1	High mobility group AT-hook 1 || BC078664 || 6p21	AGI_HUM1_OLIGO_A_23_P42331		
922	Hs.438102	Insulin-like growth factor binding protein 2, 36kDa	Insulin-like growth factor binding protein 2, 36kDa || AB209509 || 2q33-q34	AGI_HUM1_OLIGO_A_23_P119943		
923	Hs.418367	Neuromedin U	Neuromedin U || BF034907 || 4q12	AGI_HUM1_OLIGO_A_23_P69537		
924	Hs.396544	Poly(A) binding protein interacting protein 2	Poly(A) binding protein interacting protein 2 || BC048106 || 5q31.2	AGI_HUM1_OLIGO_A_23_P213754		
925	Hs.530792	GTP cyclohydrolase I feedback regulator	GTP cyclohydrolase I feedback regulator || BC027487 || 15q15	AGI_HUM1_OLIGO_A_23_P77328		
926	Hs.154073	Solute carrier family 35, member B1	Solute carrier family 35, member B1 || AK124975 || 17q21.33	AGI_HUM1_OLIGO_A_23_P89455		
927	Hs.76057	UDP-galactose-4-epimerase	UDP-galactose-4-epimerase || AK057302 || 1p36-p35	AGI_HUM1_OLIGO_A_23_P160148		
928	Hs.211800	Component of oligomeric golgi complex 2	Component of oligomeric golgi complex 2 || AL832190 || 1q42.2	AGI_HUM1_OLIGO_A_23_P160807		

TP-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
929	Hs.470943	Signal transducer and activator of transcription 1, 91kDa	Signal transducer and activator of transcription 1, 91kDa || NM_007315 || 2q32.2	AGI_HUM1_OLIGO_A_23_P56630		
930	Hs.54416	Sine oculis homeobox homolog 1 (Drosophila)	Sine oculis homeobox homolog 1 (Drosophila) || AK093780 || 14q23.1	AGI_HUM1_OLIGO_A_23_P76914		
931	Hs.293077	Choline phosphotransferase 1	Choline phosphotransferase 1 || AK025141 || 12q	AGI_HUM1_OLIGO_A_23_P105571		
932	Hs.435991	Chromosome 4 open reading frame 16	Chromosome 4 open reading frame 16 || BX647702 || 4q25	AGI_HUM1_OLIGO_A_23_P69788		
933	Hs.429566	CCAAT/enhancer binding protein (C/EBP), gamma	CCAAT/enhancer binding protein (C/EBP), gamma || NM_001806 || 19q13.11	AGI_HUM1_OLIGO_A_23_P208801		
934	Hs.513633	G protein-coupled receptor 56	G protein-coupled receptor 56 || NM_201524 || 16q13	AGI_HUM1_OLIGO_A_23_P206280		
935	Hs.46679	CUE domain containing 1	CUE domain containing 1 || CR627470 || 17q23.2	AGI_HUM1_OLIGO_A_23_P116384		
936	Hs.525232	Low density lipoprotein receptor-related protein 10	Low density lipoprotein receptor-related protein 10 || NM_014045 || 14q11.2	AGI_HUM1_OLIGO_A_23_P205493		
937	Hs.504641	CD163 antigen	CD163 antigen || Z22970 || 12p13.3	AGI_HUM1_OLIGO_A_23_P33723		
938	Hs.411641	Eukaryotic translation initiation factor 4E binding protein 1	Eukaryotic translation initiation factor 4E binding protein 1 || BM564526 || 8p12	AGI_HUM1_OLIGO_A_23_P22224		
939	Hs.125474	Leupaxin	Leupaxin || BC034230 || 11q12.1	AGI_HUM1_OLIGO_A_23_P87150		
940	Hs.517307	Myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	Myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse) || AK096355 ||	AGI_HUM1_OLIGO_A_23_P17663		
941	Hs.146602	Low molecular mass ubiquinone-binding protein (9.5kD)	Low molecular mass ubiquinone-binding protein (9.5kD) || BM701597 || 5q31.1	AGI_HUM1_OLIGO_A_23_P213718		
942	Hs.473117	Chromosome 20 open reading frame 17	Chromosome 20 open reading frame 17 || NM_173485 || 20q13.2	AGI_HUM1_OLIGO_A_23_P154627		
943	Hs.124027	Selenophosphate synthetase 1	Selenophosphate synthetase 1 || AK125066 || 10p14	AGI_HUM1_OLIGO_A_23_P150092		
944	Hs.517603	Manic fringe homolog (Drosophila)	Manic fringe homolog (Drosophila) || U94352 || 22q12	AGI_HUM1_OLIGO_A_23_P103100		
945	Hs.15289	HMBA-inducible	HMBA-inducible || ABO21179 || 17q21.31	AGI_HUM1_OLIGO_A_23_P118552		
946	Hs.503721	Dynein, cytoplasmic, heavy polypeptide 2	Dynein, cytoplasmic, heavy polypeptide 2 || XM_370652 || 11q21-q22.1	AGI_HUM1_OLIGO_A_23_P147397		
947	Hs.77628	START domain containing 3	START domain containing 3 || ALB31652 || 17q11-q12	AGI_HUM1_OLIGO_A_23_P118451		
948	Hs.158529	Calsyntenin 2	Calsyntenin 2 || AJ278016 || 3q23-q24	AGI_HUM1_OLIGO_A_23_P212606		
949	Hs.443831	Programmed cell death 5	Programmed cell death 5 || AB209040 || 19q12-q13.1	AGI_HUM1_OLIGO_A_23_P50608		
950	Hs.497183	Influenza virus NS1A binding protein	Influenza virus NS1A binding protein || NM_016389 || 1q25.1-q31.1	AGI_HUM1_OLIGO_A_23_P137514		
951	Hs.480042	Annexin A3	Annexin A3 || AB209868 || 4q13-q22	AGI_HUM1_OLIGO_A_23_P121716		
952	Hs.512680	C-type lectin domain family 11, member A	C-type lectin domain family 11, member A || BM719769 || 19q13.3	AGI_HUM1_OLIGO_A_23_P153487		
953	Hs.357567	Hypothetical protein LOC130576	Hypothetical protein LOC130576 || NM_177964 || 2q23.3	AGI_HUM1_OLIGO_A_23_P79302		
954	Hs.212102	Protein disulfide isomerase-associated 6	Protein disulfide isomerase-associated 6 || AK127433 || 2p25.1	AGI_HUM1_OLIGO_A_23_P56956		
955	Hs.512464	Surfeit 1	Surfeit 1 || BM923055 || 9q34.2	AGI_HUM1_OLIGO_A_23_P20648		
956	Hs.469615	Septin 10	Septin 10 || AB208875 || 2q13	AGI_HUM1_OLIGO_A_23_P43175		
957	Hs.520004	Discoidin domain receptor family, member 1	Discoidin domain receptor family, member 1 || NM_013994 || 6p21.3	AGI_HUM1_OLIGO_A_23_P93311		
958	Hs.126774	RA-regulated nuclear matrix-associated protein	RA-regulated nuclear matrix-associated protein || NM_016448 ||	AGI_HUM1_OLIGO_A_23_P10385	AGI_HUM1_OLIGO_A_23_P84620	
959	Hs.127445	Lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	Lipase A, lysosomal acid, cholesterol esterase (Wolman disease) || AK091558 || 10q23.2-q23.3	AGI_HUM1_OLIGO_A_23_P97865		
960	Hs.414362	Cytochrome b5 reductase b5R.2	Cytochrome b5 reductase b5R.2 || AB209000 || 11p15.4	AGI_HUM1_OLIGO_A_23_P2181		
961	Hs.483136	COMM domain containing 10	COMM domain containing 10 || BC036897 || 5q23.1	AGI_HUM1_OLIGO_A_23_P252403		
962	Hs.243678	SRY (sex determining region Y)-box 8	SRY (sex determining region Y)-box 8 || NM_014587 || 16p13.3	AGI_HUM1_OLIGO_A_23_P66137		
963	Hs.301350	FXYD domain containing ion transport regulator 3	FXYD domain containing ion transport regulator 3 || BF676327 || 19q13.11-q13.12	AGI_HUM1_OLIGO_A_23_P209043		
964	Hs.407135	Adenosine deaminase	Adenosine deaminase || BM809993 || 20q12-q13.11	AGI_HUM1_OLIGO_A_23_P210482		
965	Hs.184523	Serine/threonine kinase 38 like	Serine/threonine kinase 38 like || AB023182 || 12p11.23	AGI_HUM1_OLIGO_A_23_P64743		
966	Hs.134665	Schwannomin interacting protein 1	Schwannomin interacting protein 1 || BX648179 || 3q25.32-q25.33	AGI_HUM1_OLIGO_A_23_P257031		
967	Hs.412836	Factor for adipocyte differentiation 158	Factor for adipocyte differentiation 158 || BC036122 || 1p22.2	AGI_HUM1_OLIGO_A_23_P103773		
968	Hs.502338	Solute carrier family 1 (glial high affinity glutamate transporter), member 2	Solute carrier family 1 (glial high affinity glutamate transporter), member 2 || AY066021 || 11p13-	AGI_HUM1_OLIGO_A_23_P162068		
969	Hs.497599	Tryptophanyl-tRNA synthetase	Tryptophanyl-tRNA synthetase || NM_004184 || 14q32.31	AGI_HUM1_OLIGO_A_23_P65651		
970	Hs.377972	Chromosome 13 open reading frame 21	Chromosome 13 open reading frame 21 || AK123212 || 13q14.11	AGI_HUM1_OLIGO_A_23_P139865		
971	Hs.132340	Chromosome 6 open reading frame 85	Chromosome 6 open reading frame 85 || NM_021945 || 6p25.2	AGI_HUM1_OLIGO_A_23_P7862		
972	Hs.161220	Hypothetical gene CG018	Hypothetical gene CG018 || AL832677 || 13q12-q13	AGI_HUM1_OLIGO_A_23_P76659		
973	Hs.471675	Diacylglycerol kinase, delta 130kDa	Diacylglycerol kinase, delta 130kDa || NM_152879 || 2q37.1	AGI_HUM1_OLIGO_A_23_P210253		
974	Hs.359022	MOB1, Mps One Binder kinase activator-like 2B (yeast)	MOB1, Mps One Binder kinase activator-like 2B (yeast) || NM_024761 || 9p21.2	AGI_HUM1_OLIGO_A_23_P146548		
975	Hs.34871	Zinc finger homeobox 1b	Zinc finger homeobox 1b || NM_014795 || 2q22	AGI_HUM1_OLIGO_A_23_P142560		
976	Hs.166551	Chromosome 5 open reading frame 3	Chromosome 5 open reading frame 3 || CR749447 || 5q31-q33	AGI_HUM1_OLIGO_A_23_P41912		
977	Hs.90073	CSE1 chromosome segregation 1-like (yeast)	CSE1 chromosome segregation 1-like (yeast) || NM_001316 || 20q13	AGI_HUM1_OLIGO_A_23_P17392		
978	Hs.546282	Retinoblastoma binding protein 8	Retinoblastoma binding protein 8 || NM_002894 || 18q11.2	AGI_HUM1_OLIGO_A_23_P252371		
979	Hs.508343	Alpha-methylacyl-CoA racemase	Alpha-methylacyl-CoA racemase || CR616479 || 5p13.2-q11.1	AGI_HUM1_OLIGO_A_23_P110676		
980	Hs.248174	Histone 1, H2ab	Histone 1, H2ab || CK130254 || 6p21.3	AGI_HUM1_OLIGO_A_23_P251633		
981	Hs.69771	B-factor, properdin	B-factor, properdin || NM_001710 || 6p21.3	AGI_HUM1_OLIGO_A_23_P156687		
982	Hs.83383	Peroxiredoxin 4	Peroxiredoxin 4 || BM674523 || Xp22.11	AGI_HUM1_OLIGO_A_23_P114232		
983	Hs.233119	Malic enzyme 2, NAD(+)-dependent, mitochondrial	Malic enzyme 2, NAD(+)-dependent, mitochondrial || NM_002396 || 6p25-p24	AGI_HUM1_OLIGO_A_23_P38748		
984	Hs.89545	Proteasome (prosome, macropain) subunit, beta type, 4	Proteasome (prosome, macropain) subunit, beta type, 4 || CR601408 || 1q21	AGI_HUM1_OLIGO_A_23_P769		
985	Hs.502756	AHNAK nucleoprotein (desmoyokin)	AHNAK nucleoprotein (desmoyokin) || NM_001620 || 11q12.2	AGI_HUM1_OLIGO_A_23_P127789	AGI_HUM1_OLIGO_A_23_P21363	
986	Hs.227067	ATPase family, AAA domain containing 3A	ATPase family, AAA domain containing 3A || AK092833 || 1p36.33	AGI_HUM1_OLIGO_A_23_P201357		

7P-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
987	Hs.497684	Protein phosphatase 2, regulatory subunit B (B56), alpha isoform	Protein phosphatase 2, regulatory subunit B (B56), alpha isoform || NM_006243 || 1q32.2-q32.3	AGI_HUM1_OLIGO_A_23_P256432		
988	Hs.47357	Cholesterol 25-hydroxylase	Cholesterol 25-hydroxylase || NM_003956 || 10q23	AGI_HUM1_OLIGO_A_23_P66470		
989	Hs.412707	Hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)	Hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome) || NM_000194 || Xq26.1	AGI_HUM1_OLIGO_A_23_P11372		
990	Hs.55220	BCL2-associated athanogene 2	BCL2-associated athanogene 2 || AK023735 || 6p12.3-p11.2	AGI_HUM1_OLIGO_A_23_P235363		
991	Hs.22891	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 8 || Y16463 || 14q11	AGI_HUM1_OLIGO_A_23_P205460		
992	Hs.118183	Hypothetical protein FLJ22833	Hypothetical protein FLJ22833 || AL832659 || 2q32.3	AGI_HUM1_OLIGO_A_23_P72897		
993	Hs.17558	Hypothetical protein FLJ90586	Hypothetical protein FLJ90586 || BC035517 || 7q34	AGI_HUM1_OLIGO_A_23_P42908		
994	Hs.75093	Procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1 || NM_000302 || 1p36.3-p36.2	AGI_HUM1_OLIGO_A_23_P137525		
995	Hs.159118	Adenosylmethionine decarboxylase 1	Adenosylmethionine decarboxylase 1 || BC041345 || 6q21-q22	AGI_HUM1_OLIGO_A_23_P214121		
996	Hs.64016	Protein S (alpha)	Protein S (alpha) || M14338 || 3q11.2	AGI_HUM1_OLIGO_A_23_P84510		
997	Hs.3109	Rho GTPase activating protein 4	Rho GTPase activating protein 4 || BC052303 || Xq28	AGI_HUM1_OLIGO_A_23_P159927		
998	Hs.471441	Proteasome (prosome, macropain) subunit, beta type, 2	Proteasome (prosome, macropain) subunit, beta type, 2 || BM545813 || 1p34.2	AGI_HUM1_OLIGO_A_23_P170058		
999	Hs.104315	Soc-2 suppressor of clear homolog (C. elegans)	Soc-2 suppressor of clear homolog (C. elegans) || BC044752 || 10q25	AGI_HUM1_OLIGO_A_23_P202565		AGI_HUM1_OLIGO_A_23_P170337
1000	Hs.77448	Aldehyde dehydrogenase 4 family, member A1	Aldehyde dehydrogenase 4 family, member A1 || NM_003748 || 1p36	AGI_HUM1_OLIGO_A_23_P158945		
1001	Hs.433203	HSPC171 protein	HSPC171 protein || BF204699 || 16q22.1	AGI_HUM1_OLIGO_A_23_P206369		
1002	Hs.524763	Two pore segment channel 1	Two pore segment channel 1 || AB032995 || 12q24.13	AGI_HUM1_OLIGO_A_23_P218086		
1003	Hs.50130	Necdin homolog (mouse)	Necdin homolog (mouse) || NM_002487 || 15q11.2-q12	AGI_HUM1_OLIGO_A_23_P106405		
1004	Hs.345694	Potassium channel modulatory factor 1	Potassium channel modulatory factor 1 || NM_020122 || 2p11.2	AGI_HUM1_OLIGO_A_23_P131475		
1005	Hs.7917	Likely ortholog of mouse hypoxia induced gene 1	Likely ortholog of mouse hypoxia induced gene 1 || AL833541 || 3p22.1	AGI_HUM1_OLIGO_A_23_P40885		
1006	Hs.482363	Solute carrier family 30 (zinc transporter), member 5	Solute carrier family 30 (zinc transporter), member 5 || BX537394 || 5q12.1	AGI_HUM1_OLIGO_A_23_P218988		
1007	Hs.181301	Cathepsin S	Cathepsin S || NM_004079 || 1q21	AGI_HUM1_OLIGO_A_23_P46141		
1008	Hs.126688	Choline dehydrogenase	Choline dehydrogenase || AK055402 || 3p21.1	AGI_HUM1_OLIGO_A_23_P66293		
1009	Hs.361178	Breast carcinoma amplified sequence 4	Breast carcinoma amplified sequence 4 || BC056883 || 20q13.13	AGI_HUM1_OLIGO_A_23_P40209		
1010	Hs.426359	DKFZp564J157 protein	DKFZp564J157 protein || BE906094 || 12q12	AGI_HUM1_OLIGO_A_23_P139575		
1011	Hs.406528	Retinoblastoma 1 (including osteosarcoma)	Retinoblastoma 1 (including osteosarcoma) || L41870 || 13q14.2	AGI_HUM1_OLIGO_A_23_P204850		
1012	Hs.435326	Actin-like 6A	Actin-like 6A || NM_178042 || 3q26.33	AGI_HUM1_OLIGO_A_23_P69249		
1013	Hs.21611	Kinesin family member 3C	Kinesin family member 3C || BX571741 || 2p23	AGI_HUM1_OLIGO_A_23_P120325		
1014	Hs.502004	Related RAS viral (r-ras) oncogene homolog 2	Related RAS viral (r-ras) oncogene homolog 2 || BC026116 || 11p15.2	AGI_HUM1_OLIGO_A_23_P202652		
1015	Hs.281898	Absent in melanoma 2	Absent in melanoma 2 || BC010940 || 1q22	AGI_HUM1_OLIGO_A_23_P12100		
1016	Hs.483473	Chromosome 5 open reading frame 5	Chromosome 5 open reading frame 5 || AF251038 || 5q31	AGI_HUM1_OLIGO_A_23_P136460		
1017	Hs.16362	Pyrimidinergic receptor P2Y, G-protein coupled, 6	Pyrimidinergic receptor P2Y, G-protein coupled, 6 || NM_004154 || 11q13.5	AGI_HUM1_OLIGO_A_23_P64611		
1018	Hs.511067	Hypothetical protein FLJ10579	Hypothetical protein FLJ10579 || AK123282 || 15q15.1	AGI_HUM1_OLIGO_A_23_P152087		
1019	Hs.125867	Ena/Vasp-like	Ena/Vasp-like || AL133642 || 14q32.2	AGI_HUM1_OLIGO_A_23_P129034		
1020	Hs.404088	Sarcoma antigen NY-SAR-48	Sarcoma antigen NY-SAR-48 || AK130803 || 19p13.11	AGI_HUM1_OLIGO_A_23_P141965		
1021	Hs.118554	Lactamase, beta 2	Lactamase, beta 2 || NM_016027 || 8p22-q22.3	AGI_HUM1_OLIGO_A_23_P252711		
1022	Hs.432438	Echinoderm microtubule associated protein like 4	Echinoderm microtubule associated protein like 4 || NM_019063 || 2p22-p21	AGI_HUM1_OLIGO_A_23_P165896		
1023	Hs.517232	Peroxisomal biogenesis factor 19	Peroxisomal biogenesis factor 19 || NM_002857 || 1q22	AGI_HUM1_OLIGO_A_23_P160188		
1024	Hs.128686	Nucleobindin 2	Nucleobindin 2 || AK128739 || 11p15.1-p14	AGI_HUM1_OLIGO_A_23_P13364		
1025	Hs.93832	Putative membrane protein	Putative membrane protein || BF660501 || 1q22-q25	AGI_HUM1_OLIGO_A_23_P46084		
1026	Hs.497200	Phospholipase A2, group IVA (cytosolic, calcium-dependent)	Phospholipase A2, group IVA (cytosolic, calcium-dependent) || M68874 || 1q25	AGI_HUM1_OLIGO_A_23_P11685		
1027	Hs.418123	Cathepsin L	Cathepsin L || AK055599 || 9q21-q22	AGI_HUM1_OLIGO_A_23_P94533		
1028	Hs.465938	Ras-related GTP binding D	Ras-related GTP binding D || AL137502 || 6q15-q16	AGI_HUM1_OLIGO_A_23_P133684		
1029	Hs.280342	Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) || CR7	AGI_HUM1_OLIGO_A_23_P164170		
1030	Hs.1987	CD28 antigen (Tp44)	CD28 antigen (Tp44) || NM_006139 || 2q33	AGI_HUM1_OLIGO_A_23_P91095		
1031	Hs.533628	KIAA0133	KIAA0133 || NM_014777 || 1q42.13	AGI_HUM1_OLIGO_A_23_P74914		
1032	Hs.337594	Serine dehydratase-like	Serine dehydratase-like || BC009849 || 12q24.13	AGI_HUM1_OLIGO_A_23_P53439		
1033	Hs.83169	Matrix metalloproteinase 1 (interstitial collagenase)	Matrix metalloproteinase 1 (interstitial collagenase) || BC013875 || 11q22.3	AGI_HUM1_OLIGO_A_23_P1691		
1034	Hs.470608	Solute carrier family 25 (mitochondrial carrier, Aralar), member 12	Solute carrier family 25 (mitochondrial carrier, Aralar), member 12 || AJ495568 || 2q24	AGI_HUM1_OLIGO_A_23_P142714		
1035	Hs.282326	Down syndrome critical region gene 1	Down syndrome critical region gene 1 || AY329503 || 21q22.1-q22.2	AGI_HUM1_OLIGO_A_23_P166246		
1036	Hs.517581	Heme oxygenase (decycling) 1	Heme oxygenase (decycling) 1 || BG165629 || 22q12	AGI_HUM1_OLIGO_A_23_P120683		
1037	Hs.95351	Lipase, hormone-sensitive	Lipase, hormone-sensitive || BC070041 || 19q13.2	AGI_HUM1_OLIGO_A_23_P38876		
1038	Hs.433512	ARP3 actin-related protein 3 homolog (yeast)	ARP3 actin-related protein 3 homolog (yeast) || BC044590 || 2q14.1	AGI_HUM1_OLIGO_A_23_P108785		
1039	Hs.282156	Dickkopf homolog 3 (Xenopus laevis)	Dickkopf homolog 3 (Xenopus laevis) || NM_015881 || 11p15.2	AGI_HUM1_OLIGO_A_23_P162047		
1040	Hs.439726	Laminin, beta 2 (laminin S)	Laminin, beta 2 (laminin S) || NM_002292 || 3p21	AGI_HUM1_OLIGO_A_23_P21382		
1041	Hs.506325	Nudix (nucleoside diphosphate linked moiety X)-type motif 4	Nudix (nucleoside diphosphate linked moiety X)-type motif 4 || NM_199040 ||	AGI_HUM1_OLIGO_A_23_P23266		
1042	Hs.50984	Sarcoma amplified sequence	Sarcoma amplified sequence || BX647402 || 12q13.3	AGI_HUM1_OLIGO_A_23_P24984		
1043	Hs.476319	Enoyl Coenzyme A hydratase domain containing 2	Enoyl Coenzyme A hydratase domain containing 2 || BX647186 || 1p32.3	AGI_HUM1_OLIGO_A_23_P200203		
1044	Hs.332706	Optineurin	Optineurin || NM_0010082211 || 10p13	AGI_HUM1_OLIGO_A_23_P1461		

ZP-SAM-Order	CLID	Gene Name	Annotation	ProbeID	ProbeID	ProbeID
1045	Hs.105700	Secreted frizzled-related protein 4	Secreted frizzled-related protein 4 || AF026692 || 7p14.1	AGI_HUM1_OLIGO_A_23_P215320		
1046	Hs.26403	Glutathione transferase zeta 1 (maleylacetoacetate isomerase)	Glutathione transferase zeta 1 (maleylacetoacetate isomerase) || AB209360 || 14q24.3	AGI_HUM1_OLIGO_A_23_P106204		
1047	Hs.476365	Sterol carrier protein 2	Sterol carrier protein 2 || AB208789 || 1p32	AGI_HUM1_OLIGO_A_23_P126057		
1048	Hs.533260	KIAA0649	KIAA0649 || NM_014811 || 9q34.3	AGI_HUM1_OLIGO_A_23_P146497		
1049	Hs.435661	Serine palmitoyltransferase, long chain base subunit 2	Serine palmitoyltransferase, long chain base subunit 2 || NM_004863 || 14q24.3-q31	AGI_HUM1_OLIGO_A_23_P3146		
1050	Hs.459952	Stannin	Stannin || NM_003496 || 16p13	AGI_HUM1_OLIGO_A_23_P152160		
1051	Hs.97220	Chondroadherin	Chondroadherin || NM_001267 || 17q21.33	AGI_HUM1_OLIGO_A_23_P26976		
1052	Hs.20013	GCIP-interacting protein p29	GCIP-interacting protein p29 || BC015824 || 1p36.11	AGI_HUM1_OLIGO_A_23_P45755		
1053	Hs.194329	Transcription elongation factor A (SII)-like 4	Transcription elongation factor A (SII)-like 4 || CR594284 || Xq22.2	AGI_HUM1_OLIGO_A_23_P259166		
1054	Hs.495710	Glycoprotein M6B	Glycoprotein M6B || NM_001001995 || Xp22.2	AGI_HUM1_OLIGO_A_23_P85067		
1055	Hs.90753	HIV-1 Tat interactive protein 2, 30kDa	HIV-1 Tat interactive protein 2, 30kDa || NM_006410 || 11p15.1	AGI_HUM1_OLIGO_A_23_P64129		
1056	Hs.411847	Mitogen-activated protein kinase 6	Mitogen-activated protein kinase 6 || NM_002748 || 15q21	AGI_HUM1_OLIGO_A_23_P3204		
1057	Hs.78944	Regulator of G-protein signalling 2, 24kDa	Regulator of G-protein signalling 2, 24kDa || BC042755 || 1q31	AGI_HUM1_OLIGO_A_23_P114947		
1058	Hs.467769	Family with sequence similarity 49, member A	Family with sequence similarity 49, member A || AK055334 || 2p24.3-p24.2	AGI_HUM1_OLIGO_A_23_P21560		
1059	Hs.188634	Sorting nexin 1	Sorting nexin 1 || AB209013 || 15q22.31	AGI_HUM1_OLIGO_A_23_P49033		
1060	Hs.107740	Kruppel-like factor 2 (lung)	Kruppel-like factor 2 (lung) || BM549805 || 19p13.13-p13.11	AGI_HUM1_OLIGO_A_23_P119196		
1061	Hs.534169	Heat shock 70kDa protein 14	Heat shock 70kDa protein 14 || BC026226 || 10p13	AGI_HUM1_OLIGO_A_23_P63829		
1062	Hs.508234	Kruppel-like factor 5 (intestinal)	Kruppel-like factor 5 (intestinal) || AF132818 || 13q22.1	AGI_HUM1_OLIGO_A_23_P53891		
1063	Hs.126065	Cathepsin C	Cathepsin C || BX537913 || 11q14.1-q14.3	AGI_HUM1_OLIGO_A_23_P1552		
1064	Hs.105153	Shugoshin-like 1 (S. pombe)	Shugoshin-like 1 (S. pombe) || AB167578 || 3p24.3	AGI_HUM1_OLIGO_A_23_P29723		
1065	Hs.9088	Ankyrin repeat domain 34	Ankyrin repeat domain 34 || AK094282 || 1q21.1	AGI_HUM1_OLIGO_A_23_P23855		
1066	Hs.530157	FP15737	FP15737 || AF495725 ||	AGI_HUM1_OLIGO_A_23_P250833		
1067	Hs.173288	SH2 domain binding protein 1 (tetratricopeptide repeat containing)	SH2 domain binding protein 1 (tetratricopeptide repeat containing) || BC058914 || 11p15.3	AGI_HUM1_OLIGO_A_23_P127676		
1068	Hs.515785	Biliverdin reductase B (flavin reductase (NADPH))	Biliverdin reductase B (flavin reductase (NADPH)) || BF341546 || 19q13.1-q13.2	AGI_HUM1_OLIGO_A_23_P153351		
1069	Hs.493096	Pre-B-cell leukemia transcription factor 1	Pre-B-cell leukemia transcription factor 1 || CR749446 || 1q23	AGI_HUM1_OLIGO_A_23_P62948		
1070	Hs.8526	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 || NM_006876 || 11q13.2	AGI_HUM1_OLIGO_A_23_P86899		
1071	Hs.497636	Laminin, beta 3	Laminin, beta 3 || NM_001017402 || 1q32	AGI_HUM1_OLIGO_A_23_P86012		
1072	Hs.491351	Clathrin, heavy polypeptide (Hc)	Clathrin, heavy polypeptide (Hc) || NM_004859 || 17q11-qter	AGI_HUM1_OLIGO_A_23_P118543		
1073	Hs.523332	Ornithine aminotransferase (gyrate atrophy)	Ornithine aminotransferase (gyrate atrophy) || AB208817 || 10q26	AGI_HUM1_OLIGO_A_23_P88092		
1074	Hs.477114	Pleckstrin homology-like domain, family B, member 2	Pleckstrin homology-like domain, family B, member 2 || ALB322205 || 3q13.2	AGI_HUM1_OLIGO_A_23_P250063		
1075	Hs.509866	Chromosome 14 open reading frame 58	Chromosome 14 open reading frame 58 || AY260577 || 14q24.3	AGI_HUM1_OLIGO_A_23_P140364		
1076	Hs.75069	Serine hydroxymethyltransferase 2 (mitochondrial)	Serine hydroxymethyltransferase 2 (mitochondrial) || AK055053 || 12q12-q14	AGI_HUM1_OLIGO_A_23_P158239	AGI_HUM1_OLIGO_A_23_P169629	
1077	Hs.523099	Sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 2	Sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 2 || NM_014767 || 10q1	AGI_HUM1_OLIGO_A_23_P161280		
1078	Hs.8036	MBC3205	MBC3205 || AK127147 || 19p13.2	AGI_HUM1_OLIGO_A_23_P90099		
1079	Hs.549198	F-box protein 31	F-box protein 31 || AF318348 || 16q24.2	AGI_HUM1_OLIGO_A_23_P89030		
1080	Hs.532626	MGC16028 similar to RIKEN cDNA 1700019E19 gene	MGC16028 similar to RIKEN cDNA 1700019E19 gene || BU733407 || 14q24.3	AGI_HUM1_OLIGO_A_23_P48728		
1081	Hs.169075	PTK9 protein tyrosine kinase 9	PTK9 protein tyrosine kinase 9 || NM_198974 || 12q12	AGI_HUM1_OLIGO_A_23_P48166		
1082	Hs.495912	Dystrophin (muscular dystrophy, Duchenne and Becker types)	Dystrophin (muscular dystrophy, Duchenne and Becker types) || NM_004010 || Xp21.2	AGI_HUM1_OLIGO_A_23_P113453		
1083	Hs.421724	Cathepsin G	Cathepsin G || BU621869 || 14q11.2	AGI_HUM1_OLIGO_A_23_P140384		
1084	Hs.532815	Elastin microfibril interfacer 2	Elastin microfibril interfacer 2 || AF270513 || 19p11.3	AGI_HUM1_OLIGO_A_23_P27315		
1085	Hs.477921	WW domain containing transcription regulator 1	WW domain containing transcription regulator 1 || AL833852 || 3q23-q24	AGI_HUM1_OLIGO_A_23_P29763		
1086	Hs.520494	Hypothetical protein FLJ14525	Hypothetical protein FLJ14525 || BC056649 || 1q42.13-q43	AGI_HUM1_OLIGO_A_23_P138034		
1087	Hs.31442	RecQ protein-like 4	RecQ protein-like 4 || BC020498 || 8q24.3	AGI_HUM1_OLIGO_A_23_P71558		
1088	Hs.2030	Thrombomodulin	Thrombomodulin || NM_000361 || 20p12-cen	AGI_HUM1_OLIGO_A_23_P91390		
1089	Hs.508480	RAP2A, member of RAS oncogene family	RAP2A, member of RAS oncogene family || NM_021033 || 13q34	AGI_HUM1_OLIGO_A_23_P151384		
1090	Hs.153678	Reproduction 8	Reproduction 8 || NM_005671 || 8p12-p11.2	AGI_HUM1_OLIGO_A_23_P157465		
1091	Hs.319334	Nuclear autoantigenic sperm protein (histone-binding)	Nuclear autoantigenic sperm protein (histone-binding) || AY700118 || 1p34.1	AGI_HUM1_OLIGO_A_23_P34794		
1092	Hs.396358	Hypothetical protein FLJ11273	Hypothetical protein FLJ11273 || NM_018374 || 7p21.3	AGI_HUM1_OLIGO_A_23_P8522		
1093	Hs.514402	Hypothetical protein MGC10986	Hypothetical protein MGC10986 || NM_030576 || 17q23.3	AGI_HUM1_OLIGO_A_23_P26823		
1094	Hs.166950	Ganglioside-induced differentiation-associated protein 1	Ganglioside-induced differentiation-associated protein 1 || AL110252 || 8q21.11	AGI_HUM1_OLIGO_A_23_P216071		
1095	Hs.74576	GDP dissociation inhibitor 1	GDP dissociation inhibitor 1 || AK123405 || Xq28	AGI_HUM1_OLIGO_A_23_P45496		
1096	Hs.310542	Translocase of outer mitochondrial membrane 40 homolog (yeast)	Translocase of outer mitochondrial membrane 40 homolog (yeast) || BC047528 || 19q13	AGI_HUM1_OLIGO_A_23_P153266		
1097	Hs.285976	LAG1 longevity assurance homolog 2 (S. cerevisiae)	LAG1 longevity assurance homolog 2 (S. cerevisiae) || NM_181746 || 1q21.2	AGI_HUM1_OLIGO_A_23_P63009		
1098	Hs.519018	SH3 domain protein D19	SH3 domain protein D19 || BX647422 || 4q31.3	AGI_HUM1_OLIGO_A_23_P33384		
1099	Hs.524464	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2 || CR6	AGI_HUM1_OLIGO_A_23_P87616		
1100	Hs.386554	Solute carrier family 16 (monocarboxylic acid transporters), member 5	Solute carrier family 16 (monocarboxylic acid transporters), member 5 || AK092512 || 17q25.1	AGI_HUM1_OLIGO_A_23_P159125		
1101	Hs.513315	Nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1	Nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1 || BC079535 || 16p13.3	AGI_HUM1_OLIGO_A_23_P49429		
1102	Hs.150595	Cytochrome P450, family 26, subfamily A, polypeptide 1	Cytochrome P450, family 26, subfamily A, polypeptide 1 || AK027560 || 10q23-q24	AGI_HUM1_OLIGO_A_23_P138655		

Table 14

Gene	Diagonal bias Raw	Diagonal corr. Raw	Diagonal spread Raw	Concordance corr. Raw	Diagonal std. dev Raw	Lowe Limits Raw	Upper Limits Raw	Range Raw
ACTB	-1.6	-0.012	0.85	-0.004	1.1	0.026	1.8	6.5
ASF1A	-2.3	0.044	1.1	0.012	1.4	0.0067	1.5	5.9
B3GNT5	-0.51	0.49	0.89	0.45	1.1	0.064	5.7	8.6
BLVRA	-2.1	0.055	1.1	0.021	1.6	0.0054	3	7.8
BTG3	-1.1	0.39	0.84	0.25	1.1	0.038	3.3	7.6
BUB1	-1.5	0.51	0.68	0.23	0.94	0.038	1.5	5.3
C10ORF7	-2.1	0.18	0.86	0.045	1.1	0.015	1.1	5.7
C16ORF45	-2.8	0.31	1.1	0.093	1.5	0.0032	1.3	9.2
CaMKIIN/Alpha	-0.91	0.69	0.68	0.51	0.87	0.075	2.2	8.3
CDH3	-1.5	0.65	0.96	0.45	1.3	0.02	2.9	9.7
CHI3L2	-1.5	0.84	0.91	0.66	1.1	0.024	2	13
COX6C	-2.2	0.59	1	0.28	1.3	0.0081	1.6	10
CSDA	-1.1	0.35	0.92	0.24	1.4	0.022	4.7	6.1
CTPS	-1.8	0.27	0.83	0.096	1.1	0.018	1.6	5.4
ERBB2	-0.65	0.73	0.72	0.64	0.91	0.088	3.2	8.1
ESR1	-1.6	0.9	0.8	0.74	1	0.028	1.6	13
FABP7	-0.9	0.81	1.4	0.78	2	0.0086	20	23
FBP1	-1.8	0.67	0.9	0.37	1.2	0.016	1.6	10
FLJ10980	-2.8	0.42	0.83	0.086	1.1	0.0074	0.54	6.1
FOXC1	-0.034	0.72	0.83	0.72	1.1	0.11	8.9	8.2
FZD7	-0.93	0.3	0.7	0.17	0.92	0.067	2.4	5.8
GATA3	-1.5	0.77	0.88	0.53	1.1	0.026	1.9	11
GRB7	-1.4	0.73	0.7	0.46	0.94	0.042	1.7	8.5
GSTM3	-2.3	0.65	0.86	0.25	1.1	0.012	0.83	9
GSTP1	-0.033	0.51	0.76	0.51	0.97	0.14	6.5	5.1
HIS1	-1.3	0.3	0.75	0.13	0.94	0.046	1.8	6
ID4	-1.1	0.64	0.74	0.44	0.95	0.055	2.3	6.9
IGBP1	-2.5	-0.16	1.1	-0.035	1.5	0.0048	1.4	6.1
INPP4B	-1.5	0.67	0.81	0.4	1.1	0.027	1.8	10
KIT	-1.7	0.28	1.2	0.16	1.7	0.0071	5.5	9.4
KRT17	-0.7	0.66	0.92	0.59	1.2	0.049	5.1	9
MKI67	-1.3	0.48	0.7	0.24	0.92	0.047	1.7	5.7
MRPL19	-0.61	0.0035	0.88	0.0027	1.1	0.062	4.9	4.7
MYBL2	-0.18	0.8	0.57	0.79	0.76	0.19	3.7	5.6

PSMC4_R3	-2.6	-0.061	1	-0.012	1.3	0.0056	1	6.1
PUM1	-2.5	-0.15	0.92	-0.026	1.2	0.0084	0.97	6.2
S100A11	-0.89	0.34	0.86	0.23	1	0.054	3.3	5.8
SEMA3C	-1.1	0.46	0.77	0.29	1.1	0.042	2.7	7.3
SF3A1	-2.3	-0.24	0.93	-0.043	1.2	0.0095	1.1	6
SLC39A6	-1.5	0.76	0.78	0.49	0.99	0.033	1.6	7.8
SLC5A6	-1.3	0.59	0.61	0.27	0.79	0.058	1.3	5.1
STK6	-1.4	0.63	0.63	0.32	0.87	0.046	1.4	5.7
TCEAL1	-1.2	0.47	0.64	0.24	0.85	0.061	1.7	6.1
TFF3	-1.8	0.8	0.89	0.55	1.2	0.016	1.8	10
TMSB10	-2.3	0.21	0.97	0.063	1.3	0.0082	1.4	6
TOP2A	-2	0.53	0.9	0.23	1.2	0.014	1.5	7.3
TP53BP2	-0.93	0.47	0.74	0.3	0.89	0.07	2.3	5.3
VAV3	-3.1	0.48	0.97	0.12	1.3	0.0037	0.6	8.5
WWP1	-1.7	0.55	0.74	0.21	0.94	0.029	1.1	7.1
XBP1	-0.87	0.67	0.81	0.54	1	0.057	3.2	N/A

Diagonal bias Norm	Diagonal corr. Norm	Diagonal spread Norm	Concordance corr. Norm	Diagonal std. dev Norm	Lowe Limits Norm	Upper Limits Norm	Range Norm	Diagonal bias DWD
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-0.41	0.43	0.38	0.31	0.51	0.24	1.8	2.1	0.061
1.5	0.63	0.64	0.26	0.76	0.97	19	4.8	0.24
-0.16	0.46	0.52	0.45	0.83	0.17	4.4	4.6	-0.3
0.91	0.39	0.64	0.24	0.9	0.42	14	6.6	0.47
0.43	0.59	0.56	0.51	0.7	0.39	6	4.4	0.42
-0.14	0.7	0.28	0.67	0.38	0.42	1.8	3.6	0.36
-0.74	0.74	0.59	0.61	0.82	0.097	2.4	6.4	0.079
1.1	0.67	0.6	0.44	0.91	0.51	18	6.5	0.001
0.48	0.82	0.56	0.76	0.72	0.39	6.6	8.4	0.64
0.51	0.8	0.88	0.78	1.2	0.16	17	12	0.95
-0.28	0.93	0.39	0.91	0.48	0.3	1.9	6.4	-0.23
0.79	0.51	0.69	0.39	0.96	0.33	14	7.6	0.12
0.12	0.56	0.47	0.54	0.59	0.35	3.6	3.3	0.3
1.3	0.75	0.71	0.48	0.9	0.64	22	7	0.24
0.52	0.88	0.69	0.86	1.2	0.17	16	9.2	-0.17
1.1	0.74	1.3	0.67	1.8	0.093	97	14	1.3
0.18	0.89	0.41	0.88	0.62	0.36	4	7.3	-0.13
-0.82	0.73	0.51	0.52	0.65	0.12	1.6	4.7	0.26
1.8	0.77	0.58	0.36	0.81	1.2	29	6.2	-0.055
1.1	0.47	0.58	0.21	0.72	0.72	12	4.2	0.13
0.58	0.72	0.84	0.68	1.3	0.14	22	10	0.25
0.65	0.78	0.66	0.69	0.85	0.35	10	6.8	0.49
-0.26	0.74	0.6	0.73	0.97	0.12	5.2	7.4	0.27
2	0.53	0.64	0.13	0.77	1.5	31	4.2	0.014
0.71	0.42	0.56	0.26	0.7	0.5	7.9	3.3	0.1
0.93	0.56	0.8	0.41	1	0.33	19	7.5	0.85
-0.59	0.37	0.44	0.23	0.61	0.17	1.8	3.8	-0.035
0.51	0.86	0.47	0.79	0.64	0.47	5.8	5.8	0.019
0.71	0.66	0.61	0.54	0.86	0.37	11	6	0.65
1.4	0.57	0.91	0.38	1.3	0.32	47	9.2	0.91
0.66	0.41	0.63	0.29	0.78	0.41	8.8	3.4	0.5
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.7	0.65	0.73	0.3	0.95	0.83	34	6.2	0.15

N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.1	0.48	0.57	0.2	0.7	0.78	12	3.3	0.092	
0.97	0.62	0.67	0.43	0.9	0.44	15	6	0.2	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0.51	0.85	0.62	0.8	0.81	0.34	8.1	6	0.2	
0.65	0.56	0.62	0.42	0.77	0.42	8.7	5.6	0.58	
0.53	0.65	0.57	0.55	0.74	0.39	7.2	5.2	0.48	
0.82	0.56	0.61	0.39	0.82	0.44	11	4.9	0.36	
0.18	0.89	0.7	0.89	0.88	0.21	6.7	9.4	-0.025	
-0.34	0.54	0.41	0.46	0.53	0.25	2	2.5	0.18	
-0.5	0.55	0.94	0.52	1.3	0.048	7.7	6.6	0.41	
1.1	0.54	0.55	0.26	0.68	0.75	11	4.6	0.3	
-1.1	0.65	0.62	0.47	1	0.047	2.6	7.8	0.35	
0.26	0.73	0.55	0.7	0.67	0.34	4.9	5.4	0.22	
1.2	0.7	0.71	0.48	1	0.46	23	6.6	-0.1	

Diagonal corr. DWD	Diagonal spread DWD	Concordance corr. DWD	Diagonal std. dev DWD	Lowe Limits DWD	Upper Limits DWD	Range DWD
N/A	N/A	N/A	N/A	N/A	N/A	N/A
0.43	0.38	0.42	0.51	0.39	2.9	2.1
0.63	0.64	0.61	0.76	0.28	5.6	4.8
0.46	0.52	0.43	0.83	0.15	3.8	4.6
0.39	0.64	0.34	0.9	0.27	9.3	6.6
0.59	0.56	0.51	0.7	0.38	5.9	4.4
0.7	0.28	0.55	0.38	0.68	3	3.6
0.74	0.59	0.74	0.82	0.22	5.4	6.4
0.67	0.6	0.67	0.91	0.17	5.9	6.5
0.82	0.56	0.73	0.72	0.45	7.7	8.4
0.8	0.88	0.71	1.2	0.25	26	12
0.93	0.39	0.91	0.48	0.31	2	6.4
0.51	0.69	0.51	0.96	0.17	7.4	7.6
0.56	0.47	0.5	0.59	0.42	4.3	3.3
0.75	0.71	0.73	0.9	0.22	7.4	7
0.88	0.69	0.88	1.2	0.088	8.1	9.2
0.74	1.3	0.65	1.8	0.11	120	14
0.89	0.41	0.88	0.62	0.26	2.9	7.3
0.73	0.51	0.7	0.65	0.36	4.6	4.7
0.77	0.58	0.77	0.81	0.2	4.6	6.2
0.47	0.58	0.47	0.72	0.28	4.7	4.2
0.72	0.84	0.71	1.3	0.1	16	10
0.78	0.66	0.72	0.85	0.3	8.6	6.8
0.74	0.6	0.73	0.97	0.2	8.6	7.4
0.53	0.64	0.53	0.77	0.23	4.5	4.2
0.42	0.56	0.41	0.7	0.28	4.4	3.3
0.56	0.8	0.43	1	0.3	17	7.5
0.37	0.44	0.37	0.61	0.29	3.2	3.8
0.86	0.47	0.86	0.64	0.29	3.6	5.8
0.66	0.61	0.56	0.86	0.35	10	6
0.57	0.91	0.47	1.3	0.2	29	9.2
0.41	0.63	0.33	0.78	0.35	7.5	3.4
N/A	N/A	N/A	N/A	N/A	N/A	N/A
0.65	0.73	0.64	0.95	0.18	7.4	6.2

N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
0.48	0.57	0.7	0.28	4.3	3.3
0.62	0.67	0.9	0.21	7.1	6
N/A	N/A	N/A	N/A	N/A	N/A
0.85	0.62	0.81	0.25	6	6
0.56	0.62	0.77	0.39	8.1	5.6
0.65	0.57	0.74	0.37	6.9	5.2
0.56	0.61	0.82	0.28	7.1	4.9
0.89	0.7	0.88	0.17	5.5	9.4
0.54	0.41	0.53	0.42	3.4	2.5
0.55	0.94	1.3	0.12	19	6.6
0.54	0.55	0.68	0.35	5.1	4.6
0.65	0.62	1	0.19	10	7.8
0.73	0.55	0.67	0.33	4.6	5.4
0.7	0.71	1	0.13	6.5	6.6

Table 15

	Single Sample Predictor				Prediction Analysis for Microarrays				Immunohistochemistry			
Sample	**MA (1393)**	**MA (40)**	**PCR-FF (40)**	**PCR-FFPE (40)**	**MA (1393)**	**MA (40)**	**PCR-FF (40)**	**PCR-FFPE (40)**	**ER**	**PR**	**HER2**	**HER2 DNA PCR**
BR00-0284	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	-	-	+	
BR00-0365	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	+	
BR00-0572	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	-	-	+	↔
BR00-0587	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	+	
BR99-0207	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	-	-	
BR99-0348	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	+	
PB120-LN	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	-	-	-	
PB126	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	-	-	-	
PB149	**LUMINAL**	**NORMAL-LIKE**	**NORMAL-LIKE**	**LUMINAL**	**LUMINAL**	**LUMINAL**	**LUMINAL**	**LUMINAL**	+	+	+	
PB205	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	-	-	+	↔
PB255	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	+	
PB297	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	-	-	-	
PB311	**HER2+/ER-**	**HER2+/ER-**	**HER2+/ER-**	**LUMINAL**	**LUMINAL**	**LUMINAL**	**LUMINAL**	**LUMINAL**	+	+	-	
PB314	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	-	-	+	↑
PB334	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	-	-	-	
PB362	**NORMAL-LIKE**	**NORMAL-LIKE**	**NORMAL-LIKE**	**LUMINAL**	**NORMAL-LIKE**	**NORMAL-LIKE**	**NORMAL-LIKE**	**LUMINAL**	+	+	-	
PB370	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	-	
PB376	**HER2+/ER-**	**BASAL**	**BASAL**	**BASAL**	**HER2+/ER-**	**BASAL**	**BASAL**	**BASAL**	-	-	+	↔
PB413	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	-	
PB441	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	-	
PB455	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	-	-	+	↔
UB29	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	-	-	-	
UB37	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	HER2+/ER-	-	+	+	
UB38	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	-	↑
UB39	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	-	-	
UB43	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	-	↑
UB45	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	-	
UB55	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	+	
UB57	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	-	
UB58	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	-	
UB60	**LUMINAL**	**HER2+/ER-**	**HER2+/ER-**	**HER2+/ER-**	**HER2+/ER-**	**HER2+/ER-**	**HER2+/ER-**	**HER2+/ER-**	-	-	+	↑
UB66	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	+	-	
UB67	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	-	-	-	
UB71	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	BASAL	-	-	-	
UB79	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	+	-	-	

Table 16

MA P3m test (40g x 35s) Gene Scores (threshold = 0)

Offset Quantile	50	**Offset Value**	0.650934012	
	both	**RNG Seed**	420473	
	Prior Distribution (Sample Prior)			
Class	BASAL	HER2	LUMINAL	NORMAL-LIKE
Prob.	0.225806	0.185483871	0.516129032	0.072580645

	gene	BASAL	HER2	LUMINAL	NORMAL-LIKE
1	ERBB2	-0.3895	1.2282	-0.1621	-0.4533
2	KRT17	0.4627	-0.2412	-0.2612	1.12
3	KIT	0.3877	-0.2516	-0.2197	1.0848
4	ESR1	-0.8232	-0.9961	0.8007	-0.3565
5	FOXC1	0.9915	-0.1912	-0.4871	0.9538
6	TFF3	-0.9369	0	0.441	-0.0307
7	B3GNT5	0.9196	0.045	-0.4806	0.2112
8	XBP1	-0.8375	0	0.44	-0.4901
9	GRB7	0	0.8365	-0.2925	0.0187
10	ID4	0.4412	-0.1331	-0.2462	0.8043
11	COX6C	-0.2273	-0.2661	0.3347	-0.762
12	TMSB10	0.2812	0.744	-0.3593	-0.2403
13	GATA3	-0.7118	-0.2662	0.4969	-0.4083
14	SLC39A6	-0.5871	-0.7076	0.6434	-0.7101
15	WWP1	-0.3005	0	0.2562	-0.689
16	FABP7	0.4915	0.1749	-0.4044	0.6688
17	CDH3	0.6578	0.0768	-0.3978	0.3551
18	BTG3	0.6466	0.0631	-0.3522	0.1006
19	CHI3L2	0.6145	-0.072	-0.2852	0.3859
20	GSTP1	0.6044	0	-0.2967	0.1985
21	FBP1	-0.6029	-0.2298	0.4607	-0.5828
22	TP53BP2	0.5756	0.0568	-0.2241	-0.3619
23	C10orf7	0.5399	0.1613	-0.2739	-0.1639
24	SLC5A6	0.3315	0.5335	-0.4014	0.2293
25	FZD7	0.4426	-0.1423	-0.2053	0.5327
26	ASF1A	0.5161	0.1316	-0.2183	-0.409
27	INPP4B	-0.5015	0	0.2227	0
28	FLJ10980	-0.4928	0.0031	0.2695	-0.477
29	CTPS	0.4773	0.2509	-0.3185	0
30	GSTM3	-0.4558	0.0512	0.1822	-0.0945
31	CSDA	0.4181	0.1737	-0.3408	0.4479
32	SEMA3C	-0.4457	-0.1442	0.2904	-0.0793
33	VAV3	-0.4123	-0.0092	0.278	-0.4404
34	S100A11	0.2956	0.3957	-0.2321	-0.2994
35	CaMKIINalpha	-0.3896	0.0698	0.1268	0
36	C16orf45	-0.3465	-0.0975	0.1899	0
37	TCEAL1	-0.3093	-0.2368	0.2565	-0.0257
38	BLVRA	-0.2509	0.1475	0.0522	-0.0533
39	HIS1	-0.1223	-0.1352	0.1643	-0.2116
40	IGBP1	-0.1384	0	0.0446	0.1256

FF PCR test (40g x 35s) Gene Scores (threshold = 0)

Offset Quantile	50	**Offset Value**	0.625782014	
	both	**RNG Seed**	420473	
	Prior Distribution (Sample Prior)			
Class	BASAL	HER2	LUMINAL	NORMAL-LIKE
Prob.	0.257142857	0.2	0.514285714	0.028571429

	gene	BASAL	HER2	LUMINAL	NORMAL-LIKE
1	KIT	0.3675	-0.1395	-0.2345	1.8906
2	ESR1	-1.1883	-1.3459	1.102	0.2805
3	ID4	0.3245	-0.2605	-0.1333	1.3023
4	FOXC1	0.9875	-0.0291	-0.5523	1.2582
5	COX6C	-0.4466	-0.3998	0.4409	-1.1188
6	SLC39A6	-0.6537	-0.959	0.761	-1.1022
7	ERBB2	-0.4563	1.0711	-0.1409	-0.8546
8	FABP7	1.0494	-0.2077	-0.4884	0.7995
9	FZD7	0.2722	-0.2176	-0.1094	1.042
10	CTPS	0.5663	0.2286	-0.3146	-1.0343
11	GRB7	-0.1824	1.0102	-0.2542	-0.8547
12	TFF3	-0.9615	-0.0486	0.5382	-0.6947
13	INPP4B	-0.617	-0.2413	0.3534	0.8813
14	FBP1	-0.7295	-0.1266	0.4627	-0.8762
15	XBP1	-0.7415	0.1957	0.3423	-0.8578
16	B3GNT5	0.8518	-0.0531	-0.4234	0.3263
17	KRT17	0.8451	0.5354	-0.5876	-0.7765
18	GSTM3	-0.4103	-0.109	0.2041	0.7821
19	GATA3	-0.7014	-0.7154	0.6473	-0.3318
20	HIS1	-0.0594	-0.0717	0.0968	-0.7067
21	GSTP1	0.7038	-0.023	-0.3381	-0.0862
22	TP53BP2	0.6448	0.2512	-0.4122	-0.1419
23	CSDA	0.6429	0.2468	-0.4262	0.1579
24	SLC5A6	0.6212	0.2941	-0.4275	0.0468
25	CDH3	0.5387	0.6139	-0.5217	0.2459
26	C16orf45	-0.6045	-0.3263	0.4143	0.2668
27	BTG3	0.5543	0.5727	-0.5099	0.1804
28	FLJ10980	-0.5708	-0.1958	0.3594	0.0384
29	SEMA3C	-0.5628	0.158	0.1883	0.5699
30	TMSB10	0.3611	0.5673	-0.3855	-0.2823
31	S100A11	0.5274	0.452	-0.4164	-0.415
32	C10orf7	0.523	0.1684	-0.3132	-0.2481
33	TCEAL1	-0.4665	-0.2879	0.3164	0.5185
34	CHI3L2	0.5001	-0.2528	-0.142	-0.1756
35	VAV3	-0.3937	-0.0416	0.2301	-0.3076
36	CaMKIINalpha	-0.3558	0.237	0.0826	0.0551
37	WWP1	-0.3116	-0.349	0.2975	-0.1076
38	BLVRA	-0.2769	0.2018	0.0711	-0.2014
39	ASF1A	0.2576	0.1658	-0.202	0.1569
40	IGBP1	-0.0697	-0.0909	0.0723	-0.0384

Table 17

Supplemental Table 4. Raw qRT-PCR (replicates averaged)

FFPE-PCR data 40 classifiers + 5 proliferation genes + 5 Housekeepers

Gene / PCR Sample name Matrix_5HK+prolif_(45g x 35s)	BR00-0284__FFPE	BR00-0365_C__FFPE	BR00-0572_Int-VIM__FFPE	BR00-0587_GATA3__FFPE	BR99-0207_C_Int__FFPE	BR99-0348 GATA3	PB120-MET-LN__FFPE	PB126__FFPE	PB149__FFPE	PB184__FFPE
Intrinsic gene list										
ASF1A_R1	0.6625	0.3485	1.27	0.467	0.28500003	0.3445	1.1800001	0.2085	0.949	0.089
B3GNT5_DR3	0.6835	0.542	6.5550003	0.861	0.838	1.3	8.035	4.3100004	1.75	1.315
BLVRA_R2	2.1100001	2.96	0.6615	3.01	2.69	1.49	2.15	0.1985	2.2150002	0.1285
BTG3_R1	1.905	0.87450004	3.29	0.6385	0.8345	2.31	3.545	2.7350001	1.345	1.28
C10ORF7_R2	0.529	0.37449998	2.585	0.546	0.38050002	0.5325	1.655	0.7095	0.7575	0.195
C16ORF45_R1	1.075	0.574	0.246	3.455	0.23949999	7.4449997	0.69949996	0.18180001	3.5149999	0.376
CaMKIINalpha_R2	0.752	4.35	0.268	1.325	0.8355	4.14	1.0285	0.12450001	3.0700002	4.755
CDH3_R1	0.5675	0.9015	2.31	0.142	0.127	1.08	6.08	4.09	1.185	0.64900005
CHI3L2_R1	3.48	2.3175	268.5	2.575	29.15	14.1	108	643.5	15.1	13.65
COX6C_R2	0.024999999	0.305	0.069	0.29500002	0.4435	0.8325	0.0995	0.016800001	0.056649998	0.01145
CSDA_R1	6.185	2.315	33.75	2.8000002	3.33	4.23	10.95	10.8	10.8	1.725
CTPS_R1	0.2785	0.9785	0.81	0.43150002	0.6375	0.6625	2.96	1.56	0.87549996	0.22049999
ERBB2_R5	3.685	1.195	0.62600005	0.97	1.325	0.899	0.6925	0.5395	0.854	0.885
ESR1_R3	0.2565	5.615	0.053729996	7.625	17.05	6.785	0.149	0.162	3.245	3.15
FABP7_R2	0.002871	0.002871	0.119	0.002871	0.002871	N/A	0.007755	0.952	0.009945	0.00559
FBP1_R1	0.4415	1.0999999	0.014249999	0.498	0.96349996	1.23	0.23699999	0.02985	0.5495	0.303
FLJ10980_R2	1.9100001	0.3215	0.288	3.035	0.651	2.595	0.729	0.1345	1.5799999	0.2995
FOXC1_DR2	5.19	3.595	90.1	1.9200001	1.71	4.99	31.099998	43.2	7.765	3.245
FZD7_DR4	5.795	4.5	18.5	9.715	1.565	6.3500004	4.7	5.33	13.950001	11.75
GATA3_R4	0.2295	1.44	0.143	2.065	4.935	3.57	0.0501	0.2995	1.9649999	1.625
GRB7_DR4	2.66	0.7035	0.2125	0.64750004	0.336	0.906	0.32	1.2950001	0.29	0.6385
GSTM3_R3	0.21149999	0.5825	0.3195	1.2	0.1255	3.355	0.4765	0.08825	0.49	0.6595
GSTP1_R2	5.605	3.7749999	27.95	3.79	4.2200003	15.1	24.2	10.5	12.1	10.5
HIS1_DR1	1.88	3.845	0.988	2.4099998	3.375	6.44	3.335	1.49	5.2200003	1.665
ID4_DR4	9.255	4.7749996	42.9	3.93	4.94	16.35	27.5	9.885	34.9	34.699997
IGBP1_R1	0.656	0.374	0.681	0.8815	0.372	0.538	0.6575	0.1655	0.87049997	0.0765
INPP4B_R1	1.065	1.24	0.15900001	1.034	0.4105	3.315	1.735	0.0367	2.95	1.033
KIT_R4	0.32599998	0.3745	1.0095	0.26200002	0.29000002	1.9300001	1.0475	0.58000004	1.5150001	2.565
KRT17_R6	0.371	0.66550004	2.4850001	0.46100003	0.196	0.517	2.65	5.1099997	2.1399999	1.6
S100A11_R5	0.9425	1.425	1.1700001	0.741	0.3215	1.5899999	1.6500001	2.175	0.9505	1.315
SEMA3C_R1	1.05	1.0295	0.5225	0.427	0.7885	0.7585	0.3755	0.27899998	1.65	2.385
SLC39A6_DR3	0.04795	0.292	0.141	1.74	1.97	0.556	0.08335	0.0515	1.035	0.2585
SLC5A6_DR4	0.5075	1.8900001	6.27	0.4365	0.64199996	2.01	1.605	4.705	1.3	0.8835
TCEAL1_DR3	0.883	2.1750002	1.635	1.433675	2.895	2.75	1.565	0.832	1.38	4.825
TFF3_R2	1.175	35.35	0.5905	2.105	6.05	2.025	0.282	0.337	3.385	0.45200002
TMSB10_R1	1.22	0.467	2.13	0.65999997	0.2365	0.5115	1.265	1.2	0.8215	0.1155
TP53BP2_R1	1.45	2.31	16.1	0.833	0.9485	1.89	6.5600004	6.0649996	2.4099998	1.4200001
VAV3_R1	1.7	7.8900003	1.3599999	6.815	0.12630001	5.2200003	1.2049999	1.3	6.95	2.6999998
WWP1_R2	0.4345	5.695	0.371	0.8155	0.4075	4.515	0.85249996	0.17050001	0.94449997	1.275
XBP1_R2	2.72	6.08	0.3595	4.5950003	3.275	4.95	1.28	0.437	3.055	4.135
Proliferation genes										
BUB1_R3	0.382	0.8695	2.02	0.1995	0.3455	0.403	3.025	1.09	0.1615	0.1083
MKI67_R4	0.2405	0.612	1.175	0.255	0.37449998	0.41000003	1.5999999	1.047	0.29500002	0.15
MYBL2_R7	0.85899997	2	4.79	0.23699999	0.3725	0.39499998	4.725	2.665	0.2715	0.0725
STK6_R5	0.13	0.4505	0.569	0.08515	0.14	0.1275	0.7625	0.4385	0.07080001	0.052500002
TOP2A_R7	0.21700001	0.249	0.2115	0.004185	0.0484	0.11	0.3735	0.2395	0.035949998	0.00465
Housekeeper genes										
ACTB_R2	1.9649999	1.21	0.7185	1.1600001	1.04	1.7	2.415	0.90400004	1.355	0.6815
MRPL19_R2	2.225	3.335	5.575	2.6750002	2.865	2.63	5.02	1.995	2.99	0.4555
PSMC4_R3	0.16499999	0.4955	0.814	0.15	0.225	0.4115	0.5185	0.1325	0.19150001	0.048699997
PUM1_R6	1.24	0.649	1.28	1.17	0.6795	1.0450001	2.03	0.2685	1.74	0.188
SF3A1_R3	1.34	0.747	0.86300004	1.235	0.7705	0.96000004	1.615	0.4105	1.985	0.29549998

WO 2007/061876 PCT/US2006/044737

FF-PCR data 40 classifiers + 5 proliferation genes + 5 Housekeepers

Gene / PCR Sample name Matrix_5HK+prolif_(45g x 35s)	BR00-0284	BR00-0365_C	BR00-0572_Int-VIM	BR00-0587_GATA3	BR99-0207_C_Int	BR99-0348_GATA3	PB120-MET-LN	PB126	PB149	PB184
Intrinsic gene list										
ASF1A_R1	11.95	3.725	1.24	3.255	6.27	4.58	4.0950003	11.049999	1.58	10.450001
B3GNT5_DR3	4.31	1.21	1.625	1.345	1.685	3.3899999	15.4	39.55	1.545	8.085
BLVRA_R2	31.85	18.4	0.39499998	11.1	26.45	16.900002	7.85	8.715	3.94	4.085
BTG3_R1	19.95	2.73	2.355	1.8399999	4.84	10.085	9.49	31.15	2.7849998	10.6
C10ORF7_R2	7.94	3.3600001	9.110001	3.5999998	5.495	4.5950003	5.635	22	2.05	5.385
C16ORF45_R1	*10.15*	*10.165*	0.771	13.15	4.37	152.5	2.71	3.6299999	14.75	9.735
CaMKIINalpha_R2	3.315	6.76	0.31800002	2.595	3.925	12.85	1.625	0.82	4.025	2.42
CDH3_R1	8.6449995	2.5900002	1.0785	0.6365	0.5325	7.52	21.65	154	8.825	14.85
CHI3L2_R1	153.5	6.265	2015	22.95	460.5	162	336.5	6120	71.05	127
COX6C_R2	*0.622*	1.26	0.0402	2.685	*6.88*	9.96	*0.5365*	*0.6795*	0.174	0.4015
CSDA_R1	16.5	4.79	65.2	1.5795	14.299999	10.950001	6.2200003	57.850002	5.625	36.75
CTPS_R1	3.04	2.255	1.155	1.064	4.9750004	5.3450003	9.434999	15.799999	0.9515	10.5
ERBB2_R5	28.05	2.58	0.187	2.16	4.26	4.33	2.1	3.075	1.51	1.26
ESR1_R3	2.345	20.599998	0.06465	88.6	179	44.2	*0.3445*	3.4	9.75	*0.3955*
FABP7_R2	0.01145	0.003852	0.9575	0.0145	0.003852	0.003852	0.01118	2.065	0.09295	1.73
FBP1_R1	13.1	6.59	0.0352	5.035	13.2	10.7	0.7365	0.22049999	1.345	0.8715
FLJ10980_R2	39.5	6.83	1.5450001	25.099998	13.8	50.15	4.06	3.66	12.95	6.295
FOXC1_DR2	17.6	3.085	23	2.24	2.0700002	6.415	36.85	93.6	5.475	55.699997
FZD7_DR4	27.75	14.3	25.75	35.6	6.8050003	25.25	10.049999	24.35	27.55	25.650002
GATA3_R4	3.77	4.345	0.035	15.700001	45.35	29.15	0.05635	2.21	7.025	0.0978
GRB7_DR4	18.45	*1.455*	*0.2145*	*1.48*	*1.465*	*5.4049997*	1.34	5.885	1.225	1.925
GSTM3_R3	5.46	6.51	2.295	21.400002	1.575	54.5	2.2	3.235	2.655	0.4105
GSTP1_R2	20.75	5.175	17.05	4.855	9.645	36.4	31.8	57.5	10.585	35
HIS1_DR1	8.115	5.0550003	1.355	4.2349997	15.5	23.349998	5.455	20	6.66	11.35
ID4_DR4	35.05	25.599998	415	21.099998	17.5	83.8	63	*86.35*	*100.15*	*483*
IGBP1_R1	13.6	5.2250004	0.9165	6.2799997	7.465	8.15	3.31	6.895	3.475	3.27
INPP4B_R1	13.700001	7.125	0.1825	7.315	3.6399999	19.05	5.395	0.9835	10.55	2.145
KIT_R4	2.77	1.26	4.585	1.5150001	1.28	11.45	0.8555	11.3	5.3	6.095
KRT17_R6	3.9899998	1.025	2.4650002	1.915	0.6885	1.175	2.05	*21.75*	6.275	42.25
S100A11_R5	6.285	1.575	0.873	1.9300001	1.33	4.495	5.6	14.475	1.23	3.3899999
SEMA3C_R1	9.975	4.4049997	0.412	1.815	6.5550003	3.33	0.7355	1.155	5.75	1.013
SLC39A6_DR3	0.93050003	0.94200003	0.14199999	9.88	16.45	4.7700005	0.31849998	0.82350004	2.555	0.74600005
SLC5A6_DR4	9.315001	6.525	19.05	1.45	4.105	12.6	5.96	49.449997	3.28	7.6499996
TCEAL1_DR3	11	8.639999	1.325	8.775	13.3	15.200001	6.5299997	5.26	7.635	5.33
TFF3_R2	41.35	171.5	0.36300002	17.05	40.050003	13.55	0.77750003	2.185	9.315001	2.04
TMSB10_R1	18.25	4.76	0.877	2.835	3.715	6.27	10.6	25.55	2.19	8.395
TP53BP2_R1	13.299999	6.4399996	7.745	2.335	5.2749996	9.315001	22.400002	54.2	3.2350001	9.055
VAV3_R1	35.45	87.850006	2.3600001	82.15	3.885	80.4	4.27	73.5	39.65	5.365
WWP1_R2	7.205	42.75	0.736	7.06	5.43	31.8	5.0699997	2.46	3.105	4.27
XBP1_R2	40.8	26.95	*0.151*	40.35	*20.6*	*24.85*	2.165	1.685	9.26	2.76
Proliferation genes										
BUB1_R3	8.014999	3.395	5.755	1.49	2.025	1.695	13	23.1	0.5825	11.1
MKI67_R4	4.6	2.43	1.7850001	1.14	1.94	1.845	6.6	13.6	0.629	12.25
MYBL2_R7	4.6549997	2.645	3.065	0.2655	0.519	0.624	6.415	8.684999	0.2665	7.4849997
STK6_R5	2.4099998	1.895	1.385	0.406	0.8295	0.5585	2.57	6.955	0.1875	4.265
TOP2A_R7	19.2	1.745	1.2	0.62	0.845	0.92649996	2.975	18.4	0.125	5.1800003
Housekeeper genes										
ACTB_R2	15.45	3.37	0.8175	3.9250002	8.645	8.695	7.1499996	12.8	2.355	8.53
MRPL19_R2	14.85	5.37	1.1949999	3.625	7.4849997	6.6400003	10.094999	18	3.0149999	4.635
PSMC4_R3	4.1549997	3.595	1.175	2.45	4.6549997	3.7800002	5.0550003	8.565	0.6475	9.49
PUM1_R6	21.5	10.7	9.18	9.184999	11.4	12.05	11.35	15.049999	7.99	11.799999
SF3A1_R3	17.15	6.55	1.5699999	7.42	12.1	9.525	8.465	11.4	4.915	17.95

PB2057__FFPE	PB255__FFPE	PB297__FFPE	PB311__FFPE	PB314__FFPE	PB334__FFPE	PB362__FFPE	PB370__FFPE	PB376__FFPE	PB379__FFPE	PB413__FFPE	PB441__FFPE	PB455__FFPE	UB29_1C__FFPE
0.33850002	0.537	1.1500001	0.73800004	0.1163	0.519	0.14050001	0.24599999	1.505	0.06535	0.6705	1.78	0.741	1.91
5.635	3.0700002	5.925	1.6500001	1.175	6.14	0.6345	1.28	4.83	6.08	1.985	1.69	2.83	19.4
0.417	1.755	0.668	3.15	1.085	0.99549997	0.5935	0.978	3.045	0.314	2.31	6.69	2.85	2.4050002
4.99	2.51	6.995	1.62	1.15	4.255	1.155	1.0320001	3.26	2.15	1.375	2.32	4.59	7.855
0.72749996	0.764	1.585	1.36	0.3385	2.455	0.176	0.363	1.19	0.291	1.045	0.93850005	0.82	3.38
0.283	2.275	0.354	0.85150003	0.202	0.18180001	0.532	3.01	0.49	0.18180001	1.05	3.155	1.205	0.6935
2.3899999	10.85	2.5900002	6.6499996	3.48	0.544	3.055	2.865	1.04	0.8985	1.6700001	5.34	3.24	2.1
1.0955	1.565	10.549999	2.52	1.56	1.625	0.2105	0.24849999	3.2649999	1.22	0.81299996	0.3085	5.31	11.05
2.745	8.785	7605	156.5	2.79	560	32.3	14.85	22.5	122.5	29	250.5	13.9	943
0.033150002	0.2805	0.10799999	0.65849996	0.01845	0.03415	0.0268	0.06425	0.0315	0.0836	1.165	0.53999996	0.042400002	0.07665
6.27	3.645	7.365	1.87	16.85	1.17	2.6999998	4.65	1.78	3.48	1.935	4.4350004	12.15	
2.21	0.6825	1.665	1.4100001	0.5185	2.3600001	0.2075	0.30900002	1.4300001	0.2015	0.56149995	0.8255	1.84	1.4849999
0.951	1.77	1.395	0.668	0.3315	0.614	1.45	0.49600002	0.39450002	1.135	1.4200001	35.85	1.21	
0.053729996	3.585	0.11965	3.275	0.059699997	0.29500002	6.88	22.2	0.186	0.99399996	33.25	47.7	0.264	0.373
0.00589	0.002871	1.405	0.00842	0.002871	0.17449999	0.002871	0.00526	0.01255	0.002871	0.047399998	0.002871	0.00473	5.95
0.034649998	0.927	2	0.2805	0.1285	0.579	0.1745	0.1050005	0.255	0.40850002	0.7705	0.10349999	2.2	1.1800001
0.35750002	1.23	0.7365	0.05485	0.4885	0.31149998	0.37300003	0.228	1.31	0.5845	0.5395	1.78	3.9650002	1.185
3.755	3.81	63	6.9700003	1.16	49.5	0.31849998	3.2	4.335	3.53	5.625	5.9300003	9.47	0.7655
4.575	14.6	17.9	9.29	3.4250002	15.8	6.075	8.725	5.14	3.04	9.105	13.75	22.849998	98.9
1.615	3.485	0.26749998	1.535	0.2235	0.100150004	1.905	1.745	0.1109	0.407	9.49	4.4	0.5855	18.05
0.782	0.56949997	0.947	0.51600003	9.26	0.1815	0.3505	0.503	0.289	0.2095	0.43449998	0.469	26.45	1.1
0.2165	2	0.2805	1.53	0.07805	0.1745	1.5350001	1.375	0.192	0.4705	0.2195	2.085	3.87	1.12
46.95	17.45	37.1	10.385	3.2649999	34.9	2.655	4.99	30.05	19.849998	27.3	18.45	11.3	0.22749999
6.075	6.975	4.3599997	3.085	1.44	4.455	1.365	5.925	4.985	1.21	4.84	9.36	3.3200002	41.25
6.42	58.15	224.5	15.9	4.585	134	11.950001	14.700001	9.35	8.184999	73.55	12.2	27.4	3.395
0.425	0.745	0.303	0.89100003	0.13550001	0.38599998	0.12449999	0.2935	0.85	0.0676	1.016	3.16	0.85800004	21.4
0.199	3.455	0.363	4.1800003	0.15	0.31599998	2.135	2.81	0.63199997	0.261	1.735	7.83	1.815	0.76699996
0.2065	2.08	10.030001	0.49150002	0.6355	8.475	0.471	1.385	0.72650003	2.27	3.7150002	1.0125	7.17	1.3299999
1.575	1.38	3.2150002	8.245	1.2950001	52.699997	0.491	0.3565	2.65	8.535	2.12	0.5475	1.425	5.14
2.5549998	3.225	4.55	3.1950002	1.1800001	2.605	1.275	1.205	1.1800001	1.425	1.5550001	3.395	4.4	7.2650003
0.396	1.3050001	0.51750004	1.8399999	0.204	0.224	0.71650004	0.7985	1.26	0.465	0.89049995	1.815	1.4649999	11.24
0.0646	0.9415	0.23449999	0.2865	0.041950002	0.09715	0.242	1.075	0.105000004	0.261	0.722	3.405	0.44099998	1.525
6.225	3.095	2.52	1.8499999	2.255	2.59	1.535	1.31	1.575	0.37150002	0.744	1.092	2.0549998	0.155
1.3535	9.842501	1.655	3.1	0.71650004	0.7285	1.665	1.6269999	1.7745001	2.605	8.84	4.875	3.165	6.8199997
0.429	8.31	0.99900004	9.835	0.40350002	0.4305	1.305	7.61	1.485	0.5105	9.565001	44.8	20	2.73
0.774	0.934	1.62	2.2800002	0.212	1.165	0.1115	0.321	1.4	0.1245	0.479	0.627	1.0550001	0.7475
3.22	2.665	27.35	3.1149998	1.81	4.45	3.0149999	2	2.245	1.765	2.58	3.605	7.755	2.33
0.90749997	9.235001	1.99	2.8049998	1.0665	0.597	1.3199999	2.705	3.045	1.0545	3.97	16	2.345	7.135
0.64199996	2.295	1.4	1.245	0.605	0.89849997	1.0550001	1.6949999	0.704	0.6185	1.9	2.885	1.095	2.325
0.5995	12	1.135	12.05	3.495	1.645	2.7849998	9.309999	3.175	9.285	14.1	26.900002	11.45	0.90999997
													2.12
2.7350001	0.87399995	2.3200002	1.115	0.6	1.4449999	0.357	0.24649999	0.7985	0.6455	0.8225	0.4895	0.845	2.155
4.17	0.8835	1.385	1.1	0.594	2.3899999	0.32099998	0.5615	1.65	0.324	0.748	0.4685	0.95449996	1.5550001
10.9	1.48	4.41	1.985	1.2750001	8.16	0.6465	0.7945	1.8	1.1099999	0.667	0.2595	0.724	7.035
3.8	1.105	0.7175	0.449	0.1745	0.822	0.1595	0.131	0.36900002	0.0878	0.26099998	0.167	0.252	1.025
1.095	0.2705	0.9	0.382	1.56	0.7575	0.135	0.004185	0.282	0.0343	0.21000001	0.174	1.15	0.5115
1.555	2.12	2.29	2.665	0.62049997	1.14	0.5445	0.6555	1.16	0.949	1.62	1.96	4.06	4.58
1.985	1.915	4.4849997	4.39	0.91550004	4.205	0.7355	1.1800001	3.0749998	0.56299996	3.21	8.74	3.89	6.3999996
0.24149999	0.2415	0.41750002	0.51100004	0.08335	0.2625	0.055600002	0.1125	0.14	0.142	0.4325	0.7155	0.6185	0.94299996
0.6115	0.62450004	2.275	1.715	0.289	0.8995	0.44050002	0.272	0.85249996	0.244	1.1800001	2.395	1.095	2.27
0.662	0.6185	2.0149999	1.675	0.3095	1.0799999	0.4765	0.379	0.9735	0.4145	0.96099997	1.55	1.15	2.0349998

PB205T	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB379	PB413	PB441	PB455	UB29
3.72	6.285	10.355	5.465	2.085	6.86	2.79	26.5	9.105	2.58	1.74	3.75	0.4525	4.41
4.255	1.96	11.35	1.855	0.935	20.150002	2.495	17.5	10.530001	3.105	0.5425	1.6700001	0.1915	8.92
3.4099998	14.450001	3.1750002	12.9	7.925	8.775	5.4399996	79.7	16.6	9.425	5.41	13.15	2.22	3.21
7.565	6.21	35.75	6.915	16.05	15.645	4.125	31.1	22	3.48	1.94	2.9450002	1.3900001	11.3
3.885	6.5550003	11.700001	8.915001	5.565	32.2	2.56	36.35	12.95	3.4099998	2.725	2.8000002	0.723	7.6
2.145	34.05	4.335	5.965	6.435	3.2199998	10.635	455	5.3599997	3.67	10.13	11.29	6.34	1.9100001
2.795	29.25	7.48	30.7	21.25	2.1000001	4.09	98	4.935	4.49	2.615	3.79	1.655	1.645
3.021	4.5150003	35.75	6.915	16.05	15.645	4.125	38.95	58.1	1.6700001	1.5150001	0.513	1.8	9.87
3.845	123	35450	286	66.25	1815	59.050003	415.5	250.5	680	93.45	382	4.3199997	1560
0.175	5.485	1.035	5.745	0.3565	0.77699995	0.14649999	21.15	0.468	3.28	1.9300001	1.27	0.019749999	0.19
7.975	12.95	39.25	23.55	12.6	43.25	6.4300003	53	10.4	8.645	5.455	4.8500004	1.9849999	29
8.360001	3.51	8.595	6.225	5.680003	14.799999	0.8915	36.6	9.32	1.81	2.3400002	2.325	1.59	2.8449998
0.7705	8.255	2.76	1.2065	35.15	1.0265	0.6115	16.65	3.1100001	1.765	1.0525	1.26	12.014999	0.376
0.193	47.75	0.5525	17.6	1.12	3.505	10.059999	653	0.9755	19	43.55	70.1	0.07635	0.216
0.0303	0.007445	17.95	0.00484	0.004915	1.4	0.0436	0.0431	0.123500004	0.003852	0.08135	0.003852	0.003852	8.945
0.188	7.74	0.3475	2.2	1.78	1.49	0.796	48.6	1.26	6.235	3.205	0.527	0.4035	
2.5149999	32.25	11.9	5.4449997	13.450001	11.25	9.395	103	13.55	20.05	17.1	18.6	2.6599998	4.865
2.345	2.13	98.5	4.685	1.355	57.8	10.6	19.95	3.755	3.4099998	2.83	2.205	1.2195001	45.5
8.014999	25.8	66.85	11.25	18.400002	94.1	34.25	220.5	17.45	4.42	6.455	15.5	3.915	21.2
2.545	21.05	1.56	9.205	5.26	1.37	2.8400002	79	1.92	3.94	12.35	7.575	0.52	1.62
1.255	4.77	3.13	1.97	77.25	4.325	0.729	25.95	2.965	1.96	0.8815	1.0285001	15.549999	0.979
0.814	29.85	4.04	9.365	1.9649999	2.12	9.450001	244	4.285	10.549999	0.4615	6.575	8.035	0.5255
37.4	12.950001	64.5	5.17	2.995	26.9	6.76	70.1	60.3	14.75	14.549999	4.36	2.08	13.6
8.675	22.15	13.55	10.4	9.700001	12.8	3.7649999	88	27	12.1	10.9	17.5	2.375	3.085
6.5550003	220	399.5	19.25	14.950001	159.5	145.5	272.5	11.950001	10.9	179.5	21.5	8.9	32.1
3.365	8.235001	2.185	5.4049997	4.7650003	7.29	3.585	39.6	5.83	4.305	3.46	7.37	0.6545	1.715
0.3255	12.45	1.2650001	14	1.4300001	1.85	10.025	204	2.12	2.895	2.67	11.549999	0.65250003	1.97
0.7635	8.475	38.8	1.235	5.115	66.65	22.75	50.5	4.7200003	2.895	3.205	1.345	2.955	7.755
2.64	1.4200001	5.1049995	7.415	5.5299997	49.75	7.8	20.099998	18.599998	0.20899999	2.045	0.5865	0.333	6.245
4.715	2.6799998	16.55	10.55	7.425	18	1.725	31.5	8.73	1.765	0.5955	3.685	1.0699999	5.205
0.509	4.99	1.3	4.825	2.4	0.6605	4.0699997	54.7	9.065001	0.9805	0.77849996	3.135	0.3435	0.57449996
0.156	9.129999	1.29	0.7575	0.6045	1.225	0.36	29	0.4385	4.215	1.99	4.3599997	0.13	0.1445
7.665	8.02	12.45	6.5950003	12.200001	22.05	3.6	42.75	11.049999	1.7850001	1.635	2.4499998	1.69	11.25
2.1799998	24.55	4.25	7.42	3.06	2.795	8.09	90.1	11.5	9.565001	15.6	5.84	1.56	3.385
2.6	107	2.24	38.6	25.25	1.405	5.42	153.5	5.97	6.0299997	19.45	51.8	17.1	0.4125
6.225	6.855	17.2	13.4	6.4300003	13.1	2.96	54.550003	21.5	2.145	1.395	3.35	1.9399999	5.83
3.355	5.51	77.4	5.5699997	7.455	20.2	3.7450001	29.5	12.55	4.25	2.585	4.7200003	2.645	5.16
13.1	260.5	25.45	66.2	115	22.7	28.3	845	147	131.5	43	84.95	9.174999	20
1.22	10.35	9.105	6.535	4.67	6.6549997	3.8400002	58.95	4.7749996	7.205	4.1549997	7.025	0.4305	1.29
0.7985	34.1	2.6399999	25.349998	11.55	8.73	3.12	122.5	14.6	25.1	7.8	36.6	2.13	1.0235
5.125	2.84	15.85	5.74	3.43	7.3050003	0.62549996	20.5	7.17	2.175	1.25	0.94200003	0.6385	3.23
4.295	2.535	9.2	4.0150003	1.925	10.450001	0.5715	27.05	9.34	0.96500003	1.095	0.7195	0.52	3.105
7.21	1.0139999	5.045	2.78	2.065	6.8050003	0.299	11.450001	4.6949997	1.505	0.3645	0.2335	0.3615	4.385
9.025	5.465	3.795	2.05	1.125	20.2	0.17750001	7.875	3.0749998	0.3655	0.372	0.301	0.176	1.5350001
2.415	2.065	10.200001	2.58	20.05	6.955	0.149	11.9	4.005	0.22850001	0.3885	0.3375	0.867	0.913
5.3900003	10.125	9.82	9.635	7.6	13.65	3.3249998	73.55	10.799999	3.16	1.95	3.39	2.605	5.545
3.975	4.41	6.285	6.2650003	3.405	9.93	2.52	30.150002	8.115	2.05	2.33	3.29	1.1555	2.79
3.7450001	4.1549997	5.28	7.255	4.45	8.76	1.1099999	33.05	4.5550003	3.375	1.0799999	2.775	0.495	1.665
5.445	17.45	25.25	14.450001	12.2	21.55	8.13	113	16.150002	6.075	5.8450003	9.46	1.575	7.6000004
6.425	13	14.65	10.275	4.5649996	14.950001	6.215	69.65	11.5	5.52	2.565	7.7250004	1.125	3.57

UB37_7V__FFPE	UB38_1D__FFPE	UB39_5I__FFPE	UB43_4B__FFPE	UB45_6D__FFPE	UB65_5D__FFPE	UB57_3D__FFPE	UB58_7E__FFPE	UB60_3D__FFPE	UB66_1D__FFPE
0.268	0.9395	1.28	0.1805	0.01845	0.0633	0.15349999	0.164	2.15	0.078
1.79	4.295	1.605	1.2375	1.0455	1.605	0.9	0.865	2.865	0.9555
1.345	4.8900003	4.9	0.66499996	0.00733	0.276	0.488	0.58000004	7.01	0.479
1.965	2.01	1.885	1.0345	3.06	0.83449996	1.345	0.7475	5.375	2.335
0.4855	1.115	1.245	0.3395	0.07805	0.566	0.2845	0.52349997	1.775	0.26999998
0.3085	3.725	1.165	0.18180001	0.18180001	3.04	0.62549996	0.7075	1.6949999	0.18180001
1.007	3.93	9.139999	1.905	1.39	6.495	1.58	2.1	5.5699997	1.175
3.7	1.1949999	3.13	1.425	1.095	0.2495	0.08095	0.5145	4.575	0.273
2.3175	79.75	166.5	42.8	264	42.5	12.275	8.5	43.4	87.35
0.0295	0.3115	0.925	0.225	0.0284	0.02795	0.2615	0.089200005	0.1125	0.2105
2.7849998	8.345	3.82	0.339	0.0174	2.1	3.0149999	1.34	5.42	0.275
0.6025	0.71000004	1.34	0.324	0.023850001	0.2805	0.5095	0.18149999	1.38	0.208
17	1.385	5.105	0.3515	2.185	1.435	0.704	0.7135	23	1.51
0.0881	9.450001	18.7	2.23	17.95	6.3500004	4.625	3.145	0.553	25.3
0.002871	0.01315	0.007065	0.00319	0.002871	0.002871	0.00746	0.002871	0.02895	0.002871
0.0704	1.8199999	2.75	0.57449996	0.11570001	0.5405	0.8655	0.22	1.033	0.2515
0.277	3.4850001	3.005	0.366	0.1621	1.98	0.635	1.89	4.5150003	0.737
2.53	14.450001	9.665	1.14	0.41750002	1.565	2.54	0.9765	9.13	0.875
6.245	14.3	14.6	5.965	14.15	10.3	8.555	4.925	12.95	10.33
0.08505	3.225	15.75	1.795	1.85	3.5949998	5.7349997	1.0450001	0.5345	4.74
9.344999	0.78	3.56	0.2165	2.5500002	0.96599996	0.969	0.294	9.35	1.07
0.4405	0.913	2.3000002	0.093150005	0.03655	3.045	0.1895	1.0699999	0.505	0.988
8.965	30.150002	17.7	7.715	5.705	10.200001	5.09	4.315	50.7	14.549999
2.395	8.17	9.264999	0.5765	0.5145	4.195	2.505	1.625	8.095	1.7850001
32.85	45.800003	20.2	15.25	11	8.375	6.365	7.64	46.35	23.349998
0.27899998	1.89	1.225	0.2175	0.0288	0.112	0.22299999	0.182	2.48	0.312
0.2945	2.5300002	7.245	2.13	1.54	3.6599998	0.5875	1.12	5.3149996	1.54
0.612	6.855	2.995	1.23	0.518	2.355	0.315	1.385	3.9299998	0.47
1.11	2.8400002	8.51	0.7385	0.702	0.486	0.3085	0.94	10.45	0.17639999
2.145	2.265	1.49	1.175	2.385	2.85	0.621	1.1	6.075	1.565
0.7995	2.1399999	3.025	1.79	5.74	2.58	0.8355	1.525	2.6399999	3.565
0.115	1.7950001	2.68	0.25550002	3.5149999	1.7	0.512	0.6955	0.176	0.98599994
1.23	1.705	0.90550005	1.11	3.14	1.29	0.64849997	0.75	5.15	0.8725
1.1800001	5.105	7.74	1.6099999	3.0375	5.79	6.115	1.66	4.285	4.8775
0.4775	41.65	42.9	5.8599997	0.31649998	1.006	62.35	15.55	9.82	12.5
1.115	1.7950001	1.27	0.48049998	0.0396	0.201	0.226	0.44	6.4449997	0.1415
2.5149999	5.1850004	2.92	1.435	2.795	4.475	1.1	1.4300001	8.26	1.455
2.3600001	12.05	4.45	0.235	0.4255	9.110001	1.825	8.945	8.13	0.845
0.4275	2.69	4.27	1.105	0.8405	1.9949999	0.398	0.7585	1.975	1.5450001
1.72	10.6	14.5	2.355	6.675	7.625	10.235001	1.4	8.799999	17.95
0.4795	0.6305	0.92149997	0.682	0.46850002	0.503	0.271	0.252	0.854	0.542
0.33	0.668	0.9235	0.68350005	0.3595	0.5045	0.3265	0.2495	0.66349995	0.4395
1.4549999	0.549	1.15	1.2850001	0.758	1.1800001	0.34100002	0.342	1.0999999	0.2035
0.176	0.24450001	0.521	0.25849998	0.19999999	0.2855	0.117	0.1275	0.286	0.217
0.004185	0.134	0.418	0.113000005	0.004185	0.26749998	0.0674	0.059699997	0.09445	0.004185
1.435	3.125	1.54	2.065	0.5935	1.0215	0.559	0.677	5.24	0.68650005
1.855	5.615	3.125	2.205	0.305	0.5935	1.0799999	0.8175	7.62	-1.255
0.31	-0.75549996	0.729	0.2695	0.04485	0.15200001	0.1285	0.2335	1.145	0.12199994
0.55550003	2.22	1.61	0.5185	0.2659	0.347	0.32349998	0.7125	2.6399999	0.2135
0.4425	2.64	1.4749999	0.72099996	0.184	0.385	0.563	0.35549998	2.435	0.2995

UB37	UB38	UB39	UB43	UB45	UB55	UB57B	UB58	UB60A	UB66
4.67	6.8149996	4.755	2.415	4.88	0.7085	4.63	4.9049997	7.135	8.73
6.73	5.74	2.2649999	1.38	3.185	0.9235	5.5299997	4.9750004	6.18	4.84
16.65	14.2	12.8	21	14.3	3.74	6.0699997	18.75	15.95	85.75
8.59	3.6399999	3.555	4.6400003	13.85	0.347	0.25335	9.76	14.86	19.8
5.08	2.84	4.18	6.99	5.02	1.47	5.1800003	5.8	6.25	20.099998
10.92	28.55	9.175	15.1	166.5	33.85	24.95	17.099998	13.434999	111
5.75	6.805	10.715	3.44	9.42	15.5	5.8450003	20.7	14.299999	1.0799999
26.45	2.49	3.645	8.559999	5.7	0.347	0.25335	9.76	14.86	3.09
6.54	574.5	415	73.45	500	183.5	101.7	66.4	106.6	48.65
0.6685	1.895	3.9899998	2.805	1.705	0.1645	7.7200003	1.075	0.42650002	5.72
11.15	8.715	6.595	6.5950003	10.55	2.01	10.9	12.75	9.34	3.08
5.945	3.145	5.7799997	5.135	4.455	0.975	3.9499998	3.37	3.7	2.705
50.6	2.3400002	4.705	2.185	5.525	0.97099996	0.985	4.02	36.050003	1.53
0.7985	55.1	48.5	14.15	65.95	23.55	58	33.65	3.01	234.5
0.003852	0.005975	0.00428	0.007535	0.00972	0.003852	0.00513	0.01087	0.07665	0.003852
0.82299995	6.6249996	7.0550003	5.21	4.31	1.89	8.059999	4.1800003	2.645	9.959999
8.94	41	24.05	14.75	53.75	10.65	14.200001	28.8	25	106.5
3.61	4.205	3.135	1.7349999	1.63	1.2195001	4.6400003	3.3049998	7.68	2.74
31.900002	16.85	15.799999	17.55	31.099998	9.97	22	57.15	19.1	73.8
0.754	23.900002	33.4	9.94	11.305	7.775	38.35	20.45	1.175	18.7
57.6	1.665	7.2349997	1.335	11.200001	0.9325	2.33	4.38	20.900002	5.295
4.365	5.1850004	14.35	3.08	3.5100002	11.35	3.2150002	18.900002	1.235	19.85
15.45	23.2	5.67	8.46	4.7650003	2.195	4.215	16.3	18.1	25.75
10.6	22.650002	26.849998	9.235001	19.05	4.91	17.9	22.2	13.05	10.75
224.5	43.45	36.55	37.9	30.25	3.5749998	19.2	56.35	84.3	130.5
4.3500004	11.2	7.34	4.9700003	17.55	3.295	9.139999	7.4049997	8.24	45.15
2.9	12.15	14.299999	6.585	28.8	6.475	3.435	13.85	9.48	40
4.32	5.625	2.3200002	3.59	3.8650002	1.815	2.1799998	9.805	10.9	5.495
2.3449998	0.799	10.25	4.88	2.7649999	0.1795	0.376	12.049999	9.94	0.116
6.9049997	4.0699997	1.5150001	3.9899998	12.7	2.73	2.2350001	10.645	9.365	6.165
6.21	5.5299997	5.19	7.24	27.75	2.525	2.505	7.3999996	5.2200003	18.7
0.62049997	5.755	7.7349997	1.78	10.75	3.4499998	4.355	12.9	0.5205	5.875
7.04	3.25	1.855	4.735	11.1	1.51	1.5699999	7.1099997	8.485001	5.4049997
5.98	21.599998	16.45	6.6499996	14	5.3999996	21.650002	9.585	8.275	54.05
4.575	390.5	187.5	140.5	38.75	5.4449997	458.5	385.5	67.100006	220.5
15.8	8.555	4.065	14.5	8.035	1.065	3.24	6.7	12.6	12.1
12.8	18.4	4.2200003	5.025	12.65	3.22	2.935	7.835	11.15	4.9700003
81.2	108	60.2	84.649994	224.5	104	76.45	264.5	64.85	62.449997
5.325	13.7	14.15	6.91	16.65	4.025	3.745	10.2	6.5150003	27.85
7.725	31.75	16.5	9.025	26.150002	5.285	39.75	8.51	13.35 N/A	
3.225	1.02	1.6500001	0.978	8.175	1.235	1.19	3.3200002	3	4.495
2.225	1.25	1.315	0.7865	1.335	0.84749997	0.963	3.26	2.82	3.5549998
2.985	0.3015	0.50699997	0.86950004	0.784	0.8625	0.269	0.998	1.245	0.3635
1.0799999	0.538	1.035	0.5625	0.6925	0.54700005	0.4525	1.26	1.115	1.36
0.6055	0.4745	1.017	0.228	0.6175	0.5415	0.4925	2	0.57449996	2.6750002
12.1	5.6949997	3.5900002	15.21	10.95	3.095	5.365	12.049999	9.275	18.35
7.635	6.955	2.615	2.925	3.44	1.575	3.675	5.6	3.76	4.26
7.415	4.03	2.99	3.565	5.665	1.905	5.23	5.555	5.505	11.1
10.25	7.8199997	11.45	7.495	16	5.45	11.25	17.25	11.35	33.75
8.355	10.264999	4.85	9.545	13.55	2.4	15.15	11.275	8.85	32.949997

Table 18.

TABLE 18

Sample		9830-0100	BC00030-I	030222-MI	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-MI	BC00036T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
Symbol	NAME	-0.5095	-1.6805	-0.6795	0.3315	0.8155	-1.4065	0.7935	-0.5685	0.6935	-2.1725	-2.6325	-0.4235	-1.3755	0.0915	-1.6875	-1.4115	-1.5255	-0.0815	-1.1825	-1.1375	-1.0425	2.2065	-0.7095	-2.5035	-1.6045	-1.9585	-1.2015	-2.7995
		-0.05	-0.181	-0.033	0.629	0.397	0.378	-0.092	0.038	-0.464	-0.516	-0.217	0.043	-0.394	-0.373	0.551	-0.494	0.475	-0.916	-0.757	0.912	0.514	-0.494	0.425	-0.226	-0.11	-0.04	-0.112	-0.488
ABAT	882378 || A	3.772	-0.14	0.339	2.224	2.212	2.822	3.35	1.599	0.818	0.426	1.156	1.242	2.857	2.312	1.242	0.663	1.019	-1.327	0.539	2.232	0.228	0.912	-1.948	-1.067	-2.652	0.034	-2.63	-2.675
ABC1	896882 || A	1.9595	1.0445	0.2205	-1.4215	1.7615	0.2765	0.6815	1.4915	0.8115	-0.8035	0.5125	0.5665	1.8355	0.2735	3.9385	1.4875	0.9995	0.8985	3.0575	3.4395	0.0085	-0.6405	-0.7425	-0.7475	-0.5085	0.3315	-0.9375	-0.8865
ABCC11	897819 || A	-0.4705	-0.8825	-1.2975	-0.9205	0.6255	1.9945	-1.3925	0.7995	0.8925	0.9165	-1.5215	-0.3195	-0.3145	2.2665	-0.6205	-1.2925	-1.7375	-0.0075	0.8325	-0.7645	0.6135	-1.1225	-0.0895	-0.1375	1.3175	0.4485	-0.9195	0.0215
ABCC3	895262 || A	-0.105	-0.065	-0.812	-0.916	-1.204	-0.62	-1.293	-0.236	-0.152	0.534	0.82	0.348	0.726	-0.002	0.447	0.835	0.014	0.938	-0.077	-0.051	-0.367	0.814	-0.01	-0.282	0.127	-0.376	0.016	0.629
ACAS2L	895930 || A	-0.0055	0.2625	-0.7405	-0.3895	0.0415	-0.5675	1.0675	-0.5905	0.8495	1.2635	1.0695	1.4025	0.6525	0.8795	0.8525	-0.1335	0.2035	-1.6665	0.5365	-0.1325	0.1145	0.1055	0.0225	0.9775	1.0075	-0.5575	0.7145	-0.1395
ACAT1	886983 || A	0.55	0.175	-0.154	2.796	0.389	1.202	2.132	0.333	-1.467	1.064	0.361	2.28	-0.777	-1.348	2.927	2.213	0.491	-0.959	0.311	-2.136	-1.311	-1.139	-1.558	-2.476	-2.318	-1.98	-2.613	-0.576
ACAT2	691319 || A	0.2215	0.3765	-0.2855	-0.3005	-0.3835	0.0105	0.6455	-0.8195	-0.1275	1.2845	0.4195	0.6025	-0.0395	1.7215	-0.9085	-0.6975	-0.7845	0.2555	-0.2105	-0.8285	0.7875	0.1845	0.0525	-0.0495	0.8115	0.0915	-0.0895	0.6335
ACOX2	694388 || A	-0.1305	-0.2105	-0.8885	0.2615	0.1765	-0.9445	1.3655	-0.1835	0.3805	0.5875	-0.3345	-0.4025	-1.0605	-0.9865	-0.2235	0.0135	0.6795	0.3535	-1.0925	-1.0385	-0.4855	-0.9395	-0.9275	-1.1365	-0.9245	-0.2325	-0.9085	-0.7635
ACOX3	690904 || A	-0.3555	0.1535	0.1205	0.0665	-0.0795	-0.1055	-0.4935	0.2945	-0.0215	-0.4225	0.3185	-0.4235	0.6025	-0.0695	2.0445	3.0745	-0.4995	0.9435	-0.6445	-0.0935	-0.2295	0.9205	0.0565	3.0245	5.3295	0.3435	-0.1395	0.3785
ACSL3	690853 || A	-0.201	0.64	0.581	0.596	0.211	0.641	1.616	0.812	0.343	-0.088	0.297	0.845	0.5	0.793	0.615	1.342	0.876	0.317	1.081	1.55	0.509	-0.009	0.766	1.409	1.176	0.591	0.48	-0.149
ACTA1	692913 || A	0.0845	0.0475	0.6265	0.3445	0.0135	-0.1045	0.0645	0.1305	-0.0125	0.0705	0.0925	0.4305	0.3795	0.0085	0.0365	-0.1655	-0.3235	0.2965	0.4775	0.2835	-0.1935	0.1935	0.0555	-0.0905	-0.1915	0.3885	0.0085	-0.2275
ACTB	695048 || A	0.8695	0.4595	0.9445	0.6535	-0.2335	0.3325	1.1315	1.1675	0.1255	1.1715	1.1025	1.9415	-0.3485	-0.5925	-0.5655	-0.7535	-0.5595	0.2525	2.8695	1.6785	1.9915	-0.6305	-0.8245	-0.0665	-0.0235	0.3105	-1.3595	-0.5625
ADAM33	682670 || A	2.645	0.828	-0.705	-1.38	-0.124	-1.094	-0.126	-0.773	-0.955	2.281	0.63	2.35	-0.445	1.306	0.055	1.407	0.848	-0.258	0.013	2.414	-0.29	2.252	-0.757	0.867	0.867	-0.608	1.602	-1.214
ADAMDEC	687861 || A	0.6435	0.1905	-1.2665	0.4745	1.3535	-0.0075	0.6195	-0.4395	-0.6205	0.2145	-0.0995	-0.0975	-0.5045	-0.7075	1.0875	-0.7585	0.1655	-0.3495	-0.4885	0.7475	-0.6135	-0.0565	-0.1565	-0.4505	-0.6395	-0.4775	-0.1595	-0.4865
ADPN	684643 || A	0.9815	1.3475	-0.2075	-0.5925	0.7585	1.9165	0.3245	1.1835	0.3165	1.6535	0.0305	-0.3295	-0.2655	-0.8655	0.8415	0.9215	-0.5285	-0.7305	0.4675	-0.3485	1.1905	0.3065	1.7605	-1.3205	1.0255	1.0815	-1.0635	-0.7495
ADPRHL1	681147 || A	0.4665	1.6055	0.3295	-0.3275	-0.4815	1.8365	-3.5785	-0.5715	2.1695	-3.1775	1.2055	2.1805	-0.0185	-3.1885	-1.3935	0.2395	-0.2705	-0.6545	-0.5285	1.7955	1.3805	-1.5725	0.4555	-3.3185	-3.1775	-3.4775	-3.5805	-4.3805
ADRA2C	696663 || A	2.3895	3.0755	2.2775	1.7755	0.8405	-0.7785	-0.1535	0.7935	-0.1795	0.0595	0.2895	0.7475	-0.4115	1.8975	-0.5395	1.1175	0.6985	-0.7265	-0.6195	-0.1905	-0.3905	1.2435	1.3755	-0.2485	-1.1515	4.1065	-0.1795	-0.4475
AGR2	696132 || A	0.1785	0.0105	-0.1255	0.1805	-0.0275	-0.2905	-0.2575	-0.1765	-0.1375	-0.1585	-0.2735	-0.1195	0.1475	-0.8305	-0.2505	-0.4705	-0.4115	-0.5875	-0.4275	-0.0785	-0.1915	-0.1735	-0.0545	-0.5375	0.2355	0.1545	-0.2055	-0.3555
AGT	685839 || A	0.015	0.033	-0.945	0.5	0.393	-0.239	0.298	-0.002	-0.889	-0.382	-0.469	-0.443	-0.055	0.348	-0.378	-0.221	-0.126	-0.447	0.185	0.306	0.219	-0.167	-0.299	-0.358	0.406	-0.444	-0.121	-0.776
AGTR1	683209 || A	1.552	-0.448	0.657	-0.288	-0.177	-0.21	-0.696	-0.068	-0.742	-1.281	-0.365	0.175	0.399	0.079	-0.499	0.254	-0.213	-1.042	0.792	1.45	-0.476	1.176	-0.42	0.423	1.057	-0.921	-1.031	-0.003
AHCYL1	681920 || A	-0.131	1.771	0.287	-1.823	-0.283	-0.574	-0.31	-0.209	-0.302	0.519	0.493	0.753	-0.204	-1.614	-0.575	0.068	-0.222	-0.474	0.939	0.536	0.428	0.222	0.114	0.42	-0.752	-0.438	1.604	-0.147
AHNAK	696607 || A	-0.082	-1.061	-0.591	-0.613	-0.365	0.85	0.428	-1.087	-0.549	-0.012	0.757	1.3	1.521	0.574	0.479	-0.046	-0.225	0.491	0.291	0.817	1.443	0.982	-0.589	0.315	-0.382	-0.711	-1.048	0.755
AHR	687282 || A	-0.1435	0.3885	0.2065	0.5205	-0.4885	-0.4255	0.5055	-0.4295	-0.0025	0.8225	0.4205	0.6315	-0.0065	0.6065	0.3435	-0.0675	0.5055	-0.0125	-0.2825	-0.0285	-0.2165	-0.1485	-0.0225	0.8095	-0.4815	-0.0435	0.7155	0.1185
AIM1	692581 || A	-0.1825	0.6765	-1.1285	-1.2245	-1.7625	-0.1085	-0.6725	-0.2045	0.1285	0.3735	0.3035	-0.1055	-0.6255	-0.8865	0.4615	-0.3385	-0.3235	-0.0405	0.0005	-0.1525	0.0995	-0.6025	-0.6595	0.0325	-0.4975	-1.0075	0.5665	-0.0765
AK2	686272 || A	1.9165	0.5665	-0.6075	0.3015	0.9475	-0.4015	-0.2035	-0.2515	-0.1375	-1.9485	0.0455	-0.1975	-1.5195	-0.7885	-0.6925	-0.0625	-0.3545	-0.7765	-1.5025	0.0325	2.7525	0.4295	2.5265	-0.7615	-0.2115	0.0575	1.5055	-1.2615
AK3L1	689094 || A	-0.425	-0.4	-0.085	-0.28	-0.931	-0.237	-0.267	-1.018	-1.429	1.095	0.139	0	-0.125	-0.938	1.266	-0.98	0.458	-1.442	-0.326	0.225	0.349	0.097	0.282	-0.025	0.527	-0.026	-0.702	0.328
AK5	686669 || A	0.535	1.48	-0.684	0.748	1.32	0.01	1.325	0.245	0.193	1.742	0.003	-0.23	0.367	2.019	-0.208	0.473	0.378	0.035	0.659	0.521	0.138	-0.094	-0.001	-0.279	0.276	-0.188	-0.182	0.171
AKAP1	689352 || A	-0.2025	0.0795	-0.7775	0.8115	-0.0155	0.1485	-0.4315	-0.2045	-0.4545	-0.2715	0.3355	1.0475	0.1625	0.0315	-0.5135	-0.3275	-0.4715	-0.2795	-0.8625	-1.0775	-0.3795	-1.0515	0.1545	-1.0475	-0.3455	-0.6205	-0.4575	-0.1855
AKR1A1	681581 || A	0.241	0.323	-0.135	-1.025	-0.257	-0.658	-0.906	-0.312	-0.289	0.488	0.25	-0.038	0.131	-0.963	0.349	-0.323	0.171	0.193	0.133	0.013	-0.795	-0.227	-0.252	-0.599	-0.323	-0.964	-0.722	0.377
AKR7A3	685301 || A	-0.4895	0.0315	0.2185	0.7475	-0.2965	-0.3795	-0.5815	0.0925	0.0815	0.5575	0.4975	0.8645	0.4425	0.2995	0.3135	0.1615	0.0885	-0.0985	-0.2365	-0.2745	-0.1965	0.6615	-0.6875	-0.7455	-0.3005	-0.3815	0.0555	-0.0505
ALG5	688179 || A	0.3415	1.6285	-0.5685	-0.0015	0.1625	0.5525	0.5745	0.2825	0.9065	0.4475	-0.0195	0.6355	-0.7725	0.0775	-0.7945	0.1155	-1.5935	-0.6835	-1.6985	0.5485	-2.0455	0.5455	-0.7925	-0.2505	-1.4335	-0.0025	-0.2475	0.3975
ALG8	681787 || A	0.2665	0.4655	-0.1575	-0.5545	-1.2255	-0.1925	-1.1205	0.5165	0.0975	-0.4685	-0.1225	-0.3265	0.0225	0.1335	-0.3255	0.1505	-0.2285	-0.6965	-0.0855	0.6035	0.4325	0.2955	0.1395	-0.0715	0.5875	1.2565	0.1325	0.3825
AMFR	693971 || A	-0.511	-0.665	-0.114	0.31	0.244	0.202	0.396	0.281	-0.612	0.195	-0.294	0.112	-0.23	0.402	-0.575	-0.515	-0.084	-0.423	0.134	-0.118	0.121	-0.29	-0.542	-0.995	-0.26	-0.958	-0.327	-0.174
AMPD2	683330 || A	-0.045	1.018	1.288	0.702	0.333	1.083	0.158	0.452	0.195	1.123	-0.694	0.598	-0.477	1.077	-0.63	0.554	1.315	0.811	0.313	1.618	2.645	-0.619	0.599	-0.381	0.207	-0.965	1.102	-0.613
ANAPC11	684913 || A	-0.005	0.016	3.151	-0.918	-0.734	0.656	0.319	0.47	0.723	0.636	-0.439	-0.955	0.314	-0.513	-0.491	-0.67	0.288	0.812	0.059	0.446	0.416	0.087	0.427	0.701	-0.079	0.335	1.362	-0.464
ANKRD22	691041 || A	0.753	0.253	0.996	-1.219	-0.504	0.784	1.738	0.023	0.68	0.42	1.274	-0.298	0.968	0.337	0.869	0.475	1.568	0.626	-0.187	0.355	-0.431	-0.118	-0.177	1.795	0.929	0.251	1.194	0.941
ANKRD27	693340 || A	-0.207	-0.334	-0.138	-0.315	1.894	-0.226	0.292	0.096	-0.047	-0.025	-0.069	-0.282	-0.519	0.093	-0.136	0.275	-0.348	0.813	0.013	-0.935	-0.4	-0.235	-0.352	-0.273	-0.56	-0.171	0.172	0.415
ANLN	687252 || A	0.302	0.266	-2.803	-3.609	0.88	-1.558	-0.014	-0.678	0.013	-0.929	0.341	0.115	-1.055	-1.403	0.597	1.624	1.917	1.563	0.688	2.149	-1.643	-1.285	1.113	1.052	1.312	-0.388	-0.683	-0.333
ANP32A	688123 || A	0.378	-0.261	0.3	-0.127	-0.6	-0.08	0.631	1.193	0.575	0.146	-0.106	-0.001	-0.801	-0.127	-0.673	-0.208	-0.721	1.278	-0.545	-0.803	0.171	0.529	-0.43	-0.796	-0.642	-0.365	-1.222	-1.048
ANXA3	688113 || A	-0.6625	0.6235	0.4135	0.2625	1.1665	1.1965	-2.4855	0.6475	1.1075	0.9525	1.1965	0.9395	0.0295	-0.3065	-2.3705	0.2345	1.3975	-0.4445	0.6655	-2.7005	-0.2735	-1.0915	0.0375	1.1555	2.0795	0.9615	0.7885	-1.2355
APBB2	688899 || A	0.0885	-1.0895	-0.9315	-0.5125	-0.3645	-0.6335	-1.2525	0.5375	-0.4225	-1.2845	1.7825	0.8615	3.8095	-0.9965	-0.8395	1.1125	1.0585	-0.8835	-1.2655	0.7845	-0.0885	1.0555	-0.7925	2.2355	4.2455	2.3765	0.6595	-0.7425
APOBEC3	691683 || A	0.081	-0.17	-1.946	2.077	2.145	0.699	1.299	0.168	0.402	0.922	-0.017	-0.358	1.329	0.017	0.017	0.106	-1.026	0.404	-0.046	-0.928	0.163	0.299	-1.579	-4.107	-3.671	-4.555	-5.258	-4.762
AQP5	681185 || A	-1.299	-1.163	2.285	-1.098	1.943	-1.872	-0.41	2.715	2.218	-1.37	-0.312	2.048	-2.128	-1.634	-1.659	-0.984	1.498	-1.455	-1.024	-0.07	0.924	-0.412	-1.35	-1.705	-0.879	-0.442	-1.109	-1.012
AR	693649 || A	0.1315	-0.2875	0.1375	-0.2635	0.1185	0.6735	1.6955	0.0475	1.0695	-0.3335	0.2885	0.1695	-0.2215	-0.0785	-0.0955	0.6065	-0.1615	0.3535	0.1815	0.1625	-0.3495	-0.1435	0.2135	0.3125	-0.3315	0.7385	-0.1005	-0.1305
AREG	696677 || A	-0.242	-0.227	-0.218	0.662	0.27	-0.19	-0.385	0.197	0.364	-0.761	-0.217	0.595	-0.56	0.149	-0.069	-0.045	-0.517	0.541	0.9	0.1	0.981	0.294	-0.52	-0.504	0.496	-0.067	-0.923	-1.634
ARF1	694438 || A	-0.8245	0.4335	0.2795	0.1245	0.3235	-0.0755	0.8945	0.2025	-0.1595	-0.6715	-0.2395	-0.2445	0.0735	-0.4435	-0.6595	-0.2585	0.1745	0.7945	-0.1985	-0.4785	-0.1495	0.4755	-0.1825	-0.0405	-0.1125	-1.2075	-0.1585	0.0105
ARHGDIB	694908 || A	0.301	0.771	-1.254	-0.431	-0.021	0.488	0.709	-0.23	-0.014	-0.454	-0.136	-0.508	-0.409	-0.342	-0.424	-0.479	0.633	0.217	-0.299	0.638	-0.268	-0.397	-1.179	0.927	1.256	0.616	1.416	0.672
ARL6IP	688270 || A	-0.1305	-0.2925	-2.1655	-1.0395	-0.0285	-0.6195	-0.6465	0.1155	0.0345	-2.1145	-0.6505	-0.3965	-1.7195	-1.5595	0.1105	-0.4275	-0.8685	0.5385	-0.3755	-1.5465	-0.5005	-0.4825	-0.2675	-1.1665	-1.0105	-0.3595	0.2715	-0.7695
ARL6IP2	684285 || A	-1.827	-0.834	-1.105	-0.24	-1.665	-0.459	-1.208	-1.19	0.489	-2.471	-1.06	0.963	-2.344	-2.291	-1.633	-1.629	-1.229	-1.523	-0.953	0.411	-0.697	-0.301	-2.272	-2.107	1.31	-0.81	-0.9	1.198
ARMCX2	682195 || A	-2.066	-0.877	-0.799	-0.328	-1.791	-0.519	-1.404	-1.037	0.388	-2.501	-0.94	0.947	-2.527	-2.293	-1.73	-1.715	-1.433	-1.471	-2.19	0.31	-0.564	-0.184	-1.724	-2.173	1.057	-0.266	-1.053	1.077
ARNT2	685876 || A	-0.541	0.364	-0.89	-0.688	-0.13	-0.409	0.052	-0.637	-0.39	-0.075	-0.141	-0.8	-0.551	-0.659	-0.344	-0.958	0.389	-0.176	-0.522	-0.369	0.068	0.158	-0.138	0.074	0.836	0.811	1.419	2.864
ARNT2	686537 || A	0.7375	0.6945	-0.7115	-2.0905	0.3105	-0.1355	1.6295	-0.3595	-0.2625	0.6295	0.3385	0.1295	-0.2275	1.2885	0.3085	0.8635	1.9545	-0.0635	0.7395	2.3055	0.7655	-0.1135	1.1555	1.2485	0.7895	0.4345	0.3205	-0.1185
ARP3BET/	696804 || A	0.5475	-0.1245	0.1025	0.6525	0.3145	0.7465	0.6275	0.1985	0.4855	-0.3055	0.4705	0.5015	0.4465	-0.3185	-0.1415	0.2195	0.7395	0.3365	0.5585	0.4195	-0.0045	-0.3625	-0.3065	-0.1335	-0.2905	-0.0115	0.2665	0.0095
ARPC1B	696647 || A	0.005	1.368	-0.072	0.205	0.208	-0.009	-0.696	0.56	2.425	-0.276	0.588	0.891	-0.684	-0.221	-0.005	-0.056	1.658	1.781	-0.706	0.005	0.013	-0.195	-0.093	-0.242	0.014	-0.106	0.079	0.162
ARPC5L	690357 || A	0.2155	0.5505	-1.3205	-0.5885	0.5365	0.6595	0.1685	-0.3135	0.2695	0.2245	0.4475	0.5505	1.6455	0.1205	0.4735	0.3555	-0.2515	0.0895	0.4575	-0.6585	-0.1585	0.0205	-0.6505	0.2045	-0.1275	-1.3225	0.4605	1.3115
ASB9	685235 || A	-0.51	-0.214	-0.691	-0.303	0.202	-0.266	0.488	-0.05	0.406	-0.312	0.266	0.085	-0.834	-0.531	-0.386	-0.163	-0.593	0.13	-0.272	-0.217	1.156	-0.353	0.65	0.257	0.075	-0.606	0.167	0.014
ASF1A	692334 || A	-0.0705	-0.1875	-0.4975	-1.1675	-0.5815	1.8525	1.3615	-1.1525	0.2445	0.2685	0.3175	-0.3775	0.8185	0.5665	0.2135	-0.3115	0.7185	0.2195	0.0595	1.0835	-0.3635	0.3225	-0.3625	0.3995	-0.3225	-0.6575	0.6725	0.9825
ASH2L	696184 || A	-0.533	-0.541	0.43	-0.505	-0.448	0.692	0.909	0.263	0.647	-0.293	0.704	-0.083	0.603	-0.652	1.196	-0.096	-0.304	0.582	1.812	-0.08	-0.058	-0.082	0.575	1.13	0.702	0.374	1.65	1.142
ASK	686686 || A	1.482	1.229	-0.467	1.731	1.675	-0.755	1.828	0.143	0.35	0.302	1.9	1.129	0.969	0.745	0.963	0.818	1.671	-0.458	0.37	0.86	0.193	0.27	0.189	1.803	0.573	0.753	1.411	-0.343
ASPM	695669 || A	-1.1945	0.4045	-0.1055	-0.9855	-0.7245	0.3295	0.5415	-0.3855	-0.6335	0.8275	1.0805	0.8545	0.8925	-0.5315	1.2925	0.4465	0.6805	0.7935	0.0385	-0.6595	-0.4785	-0.0055	-0.5765	0.6005	0.6855	-0.4455	0.5245	0.1745
ASS	695913 || A	0.6245	-0.2225	0.7225	-0.0315	-0.6315	1.0545	-0.1795	0.1495	0.7125	0.0525	0.1485	1.1645	1.1935	0.6885	-1.0685	-0.1085	-0.7015	-0.2325	0.0475	0.7025	0.7065	1.6405	0.3465	0.5005	0.6305	-0.0555	-0.4225	0.5555
ATAD2	682321 || A	0.1635	1.2935	-1.1955	0.3145	-1.1645	0.3505	0.6695	0.4375	-0.4935	0.5785	-0.0005	-0.4115	0.0585	-0.0015	-0.5555	0.5965	0.0825	-0.4585	0.1115	-0.6035	1.0605	0.4415	-0.4535	0.7665	0.4775	-0.8045	0.2015	0.8635
ATF5	684294 || A	0.331	0.311	0.19	-0.465	1.446	-0.003	-0.914	0.167	0.355	-0.122	-0.306	-0.739	0.042	2.159	-0.098	0.005	0.175	1.016	0.238	0.222	0.188	-0.81	-0.295	-0.949	-0.523	-1.052	-0.351	0.334
ATF7IP2	681599 || A	-0.341	-0.269	1.73	-0.014	-1.083	1.886	-0.494	-0.659	-0.33	0.668	-0.258	-0.393	2.402	3.37	2.208	-0.131	0.503	0.109	0.022	-0.283	0.124	-0.044	-0.872	-0.182	0.093	-0.677	-0.008	0.88
ATP2B1	685531 || A	0.112	0.198	-0.367	0.499	-0.194	0.077	0.607	-0.03	0.285	1.111	-0.001	-0.25	0.039	0.648	-0.704	0.132	0.34	0.021	0.133	-0.446	-0.115	-0.58	-0.146	-0.571	0.245	-0.711	-0.194	0.774
ATP5G1	695474 || A	0.2195	-0.0175	0.4455	0.7695	0.1105	0.1695	0.4535	0.0285	0.3955	-0.2625	-0.1735	0.3645	-0.0275	0.3155	-0.6485	-0.0725	-0.1255	0.4565	0.4215	0.3675	0.0345	0.4125	-0.8165	-0.5585	0.1935	-0.0245	-1.3935	-0.9785
ATP5O	696801 || A	0.434	1.187	-0.383	0.448	3.429	0.136	1.751	-0.732	-0.393	3.44	-0.059	-0.947	2.315	0.25	-0.178	0.012	1.823	-0.33	-0.223	2.595	-0.355	0.877	0.851	-0.616	0.477	0.278	1.039	1.333
ATP6AP1	681830 || A	-0.313	-0.719	-0.242	0.125	-0.566	-0.682	-0.102	-0.919	0.492	0.321	-0.889	-0.443	-0.594	0.012	-0.175	0.744	0.642	0.936	0.142	0.615	0.785	0.196	-1.176	0.723	0.069	-0.47	0.347	1.293
ATP6V0A4	681594 || A	0.554	-0.278	0.069	0.411	0.71	0.492	0.576	-0.147	0.535	-0.988	-0.239	-0.027	-0.293	-1.209	-0.544	0.187	0.262	0.157	-0.029	-0.332	-0.513	-0.63	-0.897	-1.531	-0.827	-0.53	-0.918	-1.082
ATP6V1B2	682368 || A	0.2615	0.1885	0.8955	0.6075	-0.9775	-0.5295	0.6015	-0.4775	-0.2265	0.4415	-0.1195	-0.4335	0.1485	0.3705	0.4625	0.3695	-0.2555	0.0825	0.0515	-0.4505	-0.4975	0.2255	-0.0525	-0.5925	-0.9535	-0.2395	-0.8745	-0.9835
ATP6V1G1	696310 || A	-0.215	0.314	-0.37	-0.403	-0.681	-0.374	-0.58	0.388	-0.381	0.248	0.188	0.221	-0.942	-0.639	0.35	0.198	-0.155	0.062	-0.192	-0.11	-0.081	-0.673	-0.202	-0.214	0.041	-0.926	-0.061	0.013
ATPIF1	692140 || A	0.3145	2.1245	0.0405	-1.2405	1.0305	2.2175	2.6805	0.0915	-0.9345	-1.0185	0.5045	-1.1865	-1.7585	0.1065	-1.4125	0.9525	2.4165	-0.7305	0.2235	1.3765	0.1535	-1.1085	0.1135	1.1645	1.3135	1.0085	2.6845	1.6445
ATXN10	685606 || A	0.199	0.761	0.464	0.835	-0.076	-0.699	1.026	0.516	-0.336	1.044	0.209	0.047	1.047	0.961	-0.163	0.861	1.143	-0.044	2.387	1.126	-0.146	-0.032	0.588	0.9	1.217	0.963	-1.084	1.688

WO 2007/061876 PCT/US2006/044737

Table 18.

Sample		9830-0100	BC00030-I	030222-M	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-M	BC00036T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
B3GNT5	683718 || E	-0.5685	-1.0445	-0.1135	-1.3505	-1.7265	-1.3115	-1.6705	-0.7725	1.2015	-0.5455	-0.1555	-0.1775	0.2515	-0.3895	-0.4415	-0.7885	-0.0675	-1.7215	-0.3055	-0.3825	-0.5175	-0.8145	-0.6355	0.2105	-0.6835	-0.7355	-1.0185	0.5885
BACE2	697028 || E	-0.2655	0.0235	-0.1575	-0.2465	-0.3605	-0.1045	0.1915	-0.0035	0.1775	-0.0025	0.4855	0.3125	-0.5275	-0.2375	-0.1295	-0.2345	-0.4525	-0.2015	-0.1585	-0.4685	0.2705	-0.2155	0.0835	0.1625	-0.5415	-1.0705	0.2165	-0.1685
BAG1	689260 || E	-1.2455	-0.2735	1.2455	-0.0585	-0.6645	-0.9545	-0.4275	-0.5745	-0.4345	-0.9515	-0.6265	-0.4105	-0.6585	-0.4435	-0.4875	0.8535	-0.7845	0.0845	-0.9445	-0.3515	-0.3345	1.0085	-0.2935	-0.1745	-0.9555	0.1965	-0.7785	-1.0395
BAG4	689163 || E	0.0355	0.0695	-0.4175	2.0025	0.7375	-0.7625	2.6145	-1.3745	-1.7975	-0.4595	0.6875	2.0585	-0.4705	-0.9155	-0.5545	0.0945	1.3285	2.4205	0.0685	-0.3765	0.0065	1.0475	3.1725	-0.7755	-0.4655	0.4625	-0.4395	0.1115
BAI2	684125 || E	0.029	-0.587	1.755	0.281	-0.401	1.202	-0.048	-0.127	1.35	-0.006	-0.198	0.7	0.072	0.716	0.735	0.476	0.955	0.481	1.097	0.317	-0.781	-0.185	1.825	-0.534	-2.096	-0.549	-0.923	-1.179
BAMBI	686435 || E	-0.437	-0.56	-0.062	0.026	-0.212	-0.324	-0.004	-0.155	-0.251	-0.192	-0.023	0.883	-0.202	0.099	0.097	-0.295	-0.332	0.664	-0.228	1.239	1.274	0.17	-0.298	0.339	-0.004	-0.022	1.192	0.728
BCAS1	686280 || E	-2.071	-0.359	-2.156	-5.219	-4.77	-2.498	-4.815	0.013	2.455	-3.577	1.407	2.285	-5.273	-4.89	-5.037	-1.439	-3.415	-1.884	-4.811	-4.156	0.597	-0.219	-0.751	-3.978	-3.106	-5.163	-4.834	-4.534
BCL2L14	686643 || E	1.2645	0.6255	0.3455	0.9805	-1.2415	-1.0805	-1.1445	-0.6245	-1.0065	-0.8595	-0.8725	0.0355	-1.4975	-1.0985	-1.0325	-1.0665	-1.0205	-0.5475	-1.1015	-0.5195	-0.1925	2.3625	-0.7935	-0.5165	-1.1255	-0.4125	1.2295	-0.2195
BCMP11	688987 || E	1.153	0.615	-0.584	-0.514	-2.108	-2.227	-0.793	-1.418	-0.949	-1.312	-0.385	-0.037	-1.781	-2.357	-0.628	-0.814	-0.773	-0.028	-0.668	-0.533	-0.728	0.901	-1.182	-0.013	-1.002	-0.455	1.746	-0.336
BEX1	681657 || E	1.5445	-0.4645	0.1205	-0.7885	-1.9045	-3.5685	-0.4435	-0.7025	2.4265	-3.2015	0.1085	1.8695	2.0805	-1.8365	-3.2075	0.3035	-2.2165	-0.6235	-0.5005	0.5475	-0.2325	-0.0025	0.5875	-0.9635	-0.7045	-1.4275	-0.0735	-1.2635
BEX2	687414 || E	0.9675	0.1335	-0.2635	-0.1875	0.4835	0.6765	0.4315	1.0585	0.7355	1.4335	0.3925	0.7445	-0.1655	0.7265	1.1515	-0.1005	1.2735	0.1915	0.8395	0.2955	0.1115	0.6095	1.4195	-0.2415	0.0715	0.5395	-0.2975	0.4705
BF	686693 || E	0.628	0.191	-0.305	0.942	1.431	1.167	0.354	0.104	-0.031	1.153	-0.327	0.225	0.352	-0.046	0.313	-0.32	-0.072	-0.204	0.066	0.14	0.053	-0.421	-0.621	-0.421	1.751	-0.415	-0.327	-0.573
BFSP1	681068 || E	-0.802	0.408	-0.528	-0.812	-0.696	0.015	-0.942	-0.015	0.233	-0.247	-0.501	-0.814	0.205	-0.693	-0.094	0.56	0.231	0.173	0.414	-0.059	0.162	0.143	-0.319	0.947	0.487	0.331	0.053	1.39
BIK	686391 || E	-0.903	-0.618	-0.033	0.298	-0.027	1.212	1.107	-0.06	-0.669	0.899	1.195	0.46	1.767	4.825	1.494	0.027	0.6	-0.048	-0.216	0.537	0.349	-0.336	0.579	1.428	0.811	-0.027	0.879	1.352
BIRC2	685336 || E	-0.3815	-0.3055	0.1845	0.6485	0.2365	0.0455	-0.1005	0.0075	0.2825	0.3315	0.5325	0.2585	-0.2855	-0.2465	1.1945	0.5085	2.6535	-0.1015	-0.6225	0.5405	-0.0345	-0.2415	0.4905	-0.1375	-0.3975	-0.4855	0.2165	0.8555
BIRC5	687015 || E	0.5625	0.5345	-0.9255	-1.1575	0.5645	-0.0985	-0.6705	0.2585	-0.1225	0.4795	-0.6795	-1.4585	-0.3455	-0.2655	0.4625	0.4535	-0.0615	-0.2725	-0.2585	-0.6195	-1.5195	-0.3485	-0.6555	0.5385	-0.7335	0.1155	0.3545	0.6135
Bit1	685275 || E	-0.2095	0.5585	-0.2975	0.7965	-0.4965	0.1665	0.7255	-0.2185	0.2755	0.3805	-0.0145	0.5065	0.4025	1.1105	0.3645	0.4505	0.5875	-0.1445	0.2035	0.2085	-0.3495	0.1855	0.8295	-0.8725	-0.5165	-0.7545	-1.0575	-0.1565
BIVM	691115 || E	-0.017	-0.131	0.47	-0.596	-0.583	0.442	0.293	-0.366	-0.03	1.043	0.488	0.201	0.145	-0.742	0.429	0.017	0.8	1.061	-0.655	-0.332	-0.36	-0.129	0.602	0.896	0.666	-0.03	1.471	1.491
BLVRA	695027 || E	-0.092	2.438	-0.88	0.85	-0.773	3.058	1.226	-0.046	-0.122	2.628	2.203	1.556	-1.913	1.868	-0.166	-0.269	2.684	0.462	0.453	-1.323	2.564	-0.442	0.526	0.081	-0.001	1.944	1.048	0.312
BM039	692354 || E	1.537	-0.405	-0.693	-0.314	-0.121	-0.107	0.027	-0.709	-0.68	-0.366	-0.123	-0.588	0.173	-0.038	-0.265	-0.175	-0.731	-0.672	-0.024	-0.222	0.414	-0.164	0.232	0.648	0.294	0.556	-0.268	0.027
BMP7	697100 || E	-0.846	-0.404	-0.774	-1.014	-0.956	-0.431	0.406	-0.946	-0.16	1.731	-0.765	-0.984	-0.162	0.426	-0.042	1.192	0.122	0.093	-0.647	0.175	0.31	-0.064	-0.121	0.503	0.364	-0.354	0.566	0.586
BOC	694925 || E	-0.0585	-0.5495	-1.2075	0.0975	0.1505	0.4915	0.2065	-0.4045	0.9875	0.4255	-0.1885	0.4805	-0.7565	-0.8585	-1.0285	-0.3435	-0.9195	0.1385	-0.2735	-0.0385	2.2555	-0.6485	0.3795	-0.0475	0.2205	-0.6605	-0.0145	0.3325
BRCA1	691229 || E	-0.3655	0.0825	0.3265	-1.0515	-0.5145	-0.0915	1.1215	0.2325	-0.1095	-0.4755	0.1305	-0.4005	-0.0605	0.5335	-0.2905	-0.0005	0.5195	0.2405	-0.0385	0.9915	-0.0495	-0.1855	0.4055	-0.1805	0.4585	0.6665	0.1305	0.4125
BRF2	697749 || E	0.871	-0.737	0.046	1.268	0.471	0.593	0.294	-0.537	0.257	0.99	0.693	1.287	2.325	0.709	-0.221	0.159	-0.039	-1.105	-0.507	0.6	-0.227	-0.056	-0.8	1.206	0.602	0.04	0.163	0.617
BRI3	694633 || E	0.555	-0.087	1.11	0.73	-0.612	-0.375	0.089	-1.21	-0.664	0.091	-0.727	0.544	0.55	-0.288	-0.348	0.045	1.437	-0.59	-0.788	-0.328	0.258	-0.162	0.54	-0.287	-0.981	0.545	-0.458	-1.656
BRI3BP	685224 || E	-0.624	-0.201	-0.21	0.268	-1.232	-0.897	-1.448	0.031	0.099	0.011	-0.593	-0.69	-0.787	-0.873	-0.41	-0.844	-0.687	-0.393	-0.721	-1.016	-0.593	-0.567	-0.985	-0.755	-0.598	-1.379	-0.681	-0.261
BSPRY	689357 || E	0.0415	1.5225	0.1285	-0.3165	-1.6545	-0.7595	0.8815	0.6015	0.0755	0.9035	-0.3675	-0.0785	-0.6465	0.3515	-0.1125	0.9295	0.8945	-0.7275	0.6145	0.1925	0.1535	-0.4415	-1.5275	0.4575	0.2775	0.6305	1.0105	1.9135
BTF3	688148 || E	-0.6285	0.3355	0.3045	-1.3585	-0.8285	-0.2745	-0.2685	0.6445	0.0345	-0.7285	-0.0015	0.7095	0.4355	-0.0555	-0.3415	-0.0855	-0.5335	1.1335	0.7045	0.2995	1.0825	0.1405	0.8985	0.1945	0.9665	0.5465	-0.3715	-0.4225
BTG3	691935 || E	-0.365	0.327	-0.042	-0.439	0.033	0.873	1.175	0.16	0.398	0.03	0.691	0.15	0.37	-0.233	0.479	0.04	0.309	0.729	0.023	0.302	-0.315	-0.296	-0.123	1.161	0.684	-0.023	1.12	1.015
BTN2A2	685872 || E	-0.274	0.085	-0.411	-0.313	0.804	-0.002	-0.182	0.062	0.208	-0.451	0.786	0.544	0.224	-0.831	0.23	-0.318	0.146	0.619	-0.194	-1.05	-0.659	-1.062	-0.196	-0.785	-0.984	-1.405	-0.912	0.225
BUB1	682711 || E	0.2205	-0.3895	-0.1835	-0.5245	-0.0025	0.1425	0.0315	-0.5285	0.4765	0.6745	1.3815	1.1065	2.3185	0.7135	0.8805	-0.2185	-0.6245	-0.7375	-0.2855	-0.1995	0.0045	0.0045	0.1925	0.6405	0.5415	-0.0995	0.6425	1.9845
BUB3	683752 || E	0.604	0.309	0.609	0.826	0.684	0.528	0.303	0.065	-0.693	1.617	0.648	0.07	0.853	1.049	0.773	0.172	0.382	-0.217	0.191	0.755	0.439	-0.281	0.645	0.776	0.938	0.968	-0.401	-0.034
BXDC1	686690 || E	-0.48	0.59	0.16	-0.093	0.213	-0.244	-0.233	0.268	0.191	-0.395	0.585	0.279	0.22	-0.378	-0.33	0.283	0.911	0.286	0.076	-0.201	-0.616	-0.657	-0.254	-1.097	-0.71	-1.31	-0.717	0.055
BZRP	682338 || E	0.983	-1.723	-0.717	0.474	-0.428	-0.968	-1.701	-1.09	-1.238	-2.113	-1.293	-0.239	-0.986	-0.667	-2.974	-0.931	-1.91	-2.421	-1.883	-0.372	0.717	-0.054	0.011	-1.255	0.33	-2.514	-2.938	-0.968
BZW1	689146 || E	-0.0335	1.2015	0.1285	-0.2885	-0.1555	-0.1645	0.0825	0.1165	0.0985	0.3505	-0.0175	-0.6135	-0.5295	-0.6035	0.0395	-0.4825	0.6315	-0.4055	-0.0005	-0.6215	0.5445	0.1585	0.1335	0.4605	1.3195	1.9555	1.4955	2.1045
C10orf116	694348 || C	0.2745	-0.3065	-0.9885	0.4545	-0.1075	0.0645	-0.1285	0.0755	0.6555	-0.5475	-0.4425	-0.1105	0.0465	-0.3075	0.3075	-0.7675	-0.8785	-0.5745	0.1805	-0.7935	-0.0195	-0.9235	-0.1635	-0.3105	0.3905	-0.6965	-0.1795	-0.4635
C10orf38	696429 || C	0.618	0.804	-0.866	-1.245	0.507	0.17	0.782	0.197	-0.339	0.525	-0.024	-1.003	0.445	0.508	-0.663	0.852	1.325	-0.414	0.981	1.7	1.443	-0.428	1.73	-0.742	-0.038	-0.099	-0.692	2.081
C10orf4	682455 || C	0.2345	0.1745	-0.0105	-0.0715	0.0695	0.2345	0.2445	0.1905	0.0995	0.8965	0.0815	-0.0615	0.6695	-0.0795	0.0385	0.2275	0.7195	-0.3955	-0.1175	0.5955	-0.4925	0.6155	1.0575	0.4475	1.0585	0.4005	1.3595	2.0395
C10orf45	696197 || C	-0.7515	-0.5105	1.1385	-0.3445	-0.3145	-0.4915	-0.4825	-0.2045	1.0775	-0.5135	0.0455	0.6455	-0.3585	-0.3785	1.3455	0.4795	-0.4965	0.5395	-0.4585	-0.9485	1.8445	0.8555	1.3515	-0.4095	0.8925	-0.5235	-0.4755	-0.6725
C10orf7	688194 || C	-0.0655	0.4125	-0.3405	-0.2385	0.3215	0.1765	-0.1655	1.0595	1.2485	-0.0945	0.3625	0.5985	0.3765	0.3415	-0.0585	0.5345	-0.2395	-0.7465	0.2745	1.1595	0.1815	0.0135	-0.0065	-0.2095	0.3565	0.4825	-0.0415	-0.0605
C10orf82	693231 || C	0.287	0.126	0.34	0.097	0.48	0.912	-0.474	-0.324	0.509	0.52	0.401	-0.399	0.258	-0.733	0.322	-0.125	0.128	-0.068	-0.4	0.721	0.569	-0.003	-0.071	1.271	2.306	1.292	2.001	1.339
C11orf24	694704 || C	-0.0155	-0.5055	-0.9155	0.2975	-1.5045	-0.7875	-0.9455	0.0455	-0.3345	-0.9185	0.1375	0.5695	0.6025	-0.9855	-0.3805	0.2235	-0.8415	-0.7255	-0.5855	0.5155	0.0005	-0.4155	-0.9345	-0.5875	-0.5595	0.1185	-0.5845	-0.2455
C12orf14	692853 || C	-0.123	0.862	-0.531	0.048	0.434	0.772	0.359	-0.017	0.13	0.963	0.373	-0.197	0.976	-0.662	0.291	0.249	0.748	0.178	0.312	1.062	-0.123	-0.243	0.309	0.548	0.513	0.017	1.372	0.63
C13orf21	697705 || C	0.031	-0.066	0.042	0.729	-0.548	-0.567	-0.261	-0.057	0.089	0.042	0.325	0.389	0.117	-0.265	0.687	-0.421	0.579	-0.003	-0.117	0.027	-0.026	-0.012	1.993	0.415	-0.113	-0.301	-0.628	-0.348
C13orf23	691314 || C	0.14	0.25	-0.353	0.498	0.55	0.525	1.001	-0.195	0.586	0.647	0.091	0.382	0.823	0.211	0.172	-0.321	-1.055	-0.475	-0.531	-0.289	-0.5	-0.398	-0.504	0.784	0.078	-0.773	0.301	0.863
C14orf94	694116 || C	1.24	-0.015	-0.606	0.478	1.85	-0.32	1.18	0.01	-0.3	-1.25	-0.24	0.08	-0.95	-0.39	0.01	0.73	-0.76	-0.78	-0.64	-0.53	-0.52	-0.295	-0.44	-0.91	-0.32	-0.626	-1.603	-0.913
C15orf23	681265 || C	2.7625	2.4115	3.2855	1.9845	2.2195	3.0525	0.1345	3.0745	3.2415	1.6805	1.4315	1.0895	2.1045	2.9915	1.9315	2.1555	0.9135	2.8775	3.1125	1.9005	0.1875	-0.4815	1.3735	0.0245	0.9945	0.8055	-0.6005	-0.6975
C16orf45	772706 || C	-1.154	0.036	-0.39	-1.131	0.055	-0.547	0.095	1.327	-0.369	-1.605	-1.012	-1.779	-0.454	-0.665	0.738	0.678	-0.631	0.943	-0.048	-0.426	1.365	0.12	-0.133	-0.173	0.155	0.05	-1.74	-0.975
C17orf37	666313 || C	0.057	-0.098	-0.393	-0.75	0.261	-0.04	0.772	0.492	0.735	0.29	0.188	0.274	-0.027	0.483	-0.577	0.158	0.481	0.141	0.27	0.305	0.112	-0.448	0.462	-0.268	-0.134	0.005	-0.29	0.408
C18orf1	684420 || C	0.996	-0.157	0.596	1.401	1.409	0.568	2.104	-0.616	-1.054	2.063	0.044	0.643	0.137	2.592	0.056	0.265	0.949	-0.818	0.133	-1.39	-0.008	0.707	0.645	-1.458	-1.669	-1.088	-1.424	-1.985
C19orf10	687290 || C	0.1065	-0.6025	1.0405	-0.8055	-0.9125	-0.4695	-0.4965	0.2205	0.2055	-0.4515	-0.7985	-1.2595	-0.1535	-0.2305	-0.0755	0.2655	1.5485	0.6055	-0.9045	2.1415	-0.3325	-0.0645	0.6215	0.2895	-0.4105	-0.5515	-0.2285	-0.7195
C19orf32	697502 || C	0.2585	-1.0655	-0.9795	0.9875	-1.2715	-0.4515	-0.5085	-1.2115	-2.2845	-0.3505	-1.0205	-0.0205	-2.0645	-0.0775	-2.3205	-1.9915	-1.4365	-1.7495	-0.0335	0.1485	0.1465	-1.6635	-2.3225	-0.9735	0.4945	-0.2215	-1.2125	-1.9405
C19orf33	693018 || C	-0.15	-0.333	-0.24	0.059	-2.564	-1.674	1.715	-1.8	-0.682	-0.145	1.245	0.7	-1.536	0.18	-2.027	-0.544	0.628	0.021	-0.125	-0.887	-0.164	1.374	1.302	-1.034	-2.064	-0.734	-0.898	-2.037
C1orf24	689493 || C	0.182	1.01	-1.229	1.172	0.388	0.296	0.545	0.867	1.136	-0.797	-0.653	0.333	-0.754	-1.201	-0.301	0.335	-0.86	-1.138	1.203	1.246	0.774	-0.313	-0.538	-1.001	-0.131	-0.325	-1.576	-1.513
C1orf34	694666 || C	0.0215	-0.4085	0.0155	0.8105	-0.2275	0.5205	1.1225	0.3705	0.3285	-0.8245	-0.0165	0.3735	-0.2345	1.0995	0.0665	-0.0955	-0.4235	0.2625	0.7325	-0.1325	1.2215	0.1025	0.0215	0.2055	-0.2675	-0.4845	-0.8095	-0.8725
C20orf103	695553 || C	0.7795	-1.4625	-1.0885	-0.8345	-0.0005	0.1305	0.7455	-0.6765	1.4135	0.3665	-0.2215	-0.3655	-1.6395	-0.8135	-0.2255	0.0115	-0.5225	-0.5075	0.2575	-0.6845	-0.4585	0.2895	-0.1665	-0.5285	-1.7285	-0.5835	-1.9355	0.0585
C20orf149	691605 || C	0.853	-0.494	0.134	-0.043	1.542	0.978	1.576	1.125	0.359	0.769	-0.017	-0.567	1.411	2.501	-0.117	0.814	0.207	1.233	0.761	-0.686	0.252	0.144	0.5	-0.755	-0.549	-0.106	-1.01	-0.072
C20orf23	697640 || C	-0.589	-0.992	-0.657	-0.484	-1.359	-1.431	-1.168	-1.219	-1.073	-1.119	-0.625	-0.373	-0.905	-0.69	-0.955	-0.778	-0.028	-1.003	-1.014	-0.562	-0.556	-0.143	-0.255	0.268	0.352	-0.255	-0.759	0.191
C20orf3	685459 || C	0.054	-0.37	-0.202	-0.132	0.339	0.004	-0.227	-0.407	-0.367	0.275	0.045	-0.015	-0.286	0.407	-0.225	-0.161	0.074	0.272	0.123	-0.345	-0.148	-0.156	0.127	0.175	0.096	-0.275	0.074	0.281
C20orf35	693279 || C	-0.228	-0.665	0.065	-0.893	0.071	0.621	-0.352	0.122	-0.011	-0.144	0.199	-0.153	0.468	-0.003	-0.125	-0.096	-0.334	-0.307	0.613	-0.398	0.05	-0.033	-1.13	0.483	-0.866	0.465	0.212	0.975
C20orf43	687406 || C	0.1735	-0.1855	-0.3215	0.6825	0.5005	0.3895	0.9645	-0.1195	0.2005	0.4965	0.1465	0.3495	0.3845	0.5655	0.0445	0.3295	0.4755	0.3155	0.0205	-1.1555	-0.1255	-0.4395	-0.2195	-0.2415	-0.0255	0.0475	0.5585	0.6995
C20orf6	688651 || C	-0.287	-0.39	0.254	0.681	-0.296	0.109	-0.089	-0.202	0.167	1.39	0.16	0.688	-0.167	0.807	0.056	-0.373	-0.361	-0.4	-0.058	0.557	0.549	-0.275	-0.353	1.058	0.837	0.223	0.76	0.126
C21orf45	681352 || C	-0.895	0.146	-0.087	0.24	-0.769	-0.038	-0.66	-0.272	0.077	0.18	0.809	0.646	-0.328	0.132	0.026	-0.325	-0.159	-0.139	-0.418	-0.135	0.389	0.159	-0.242	0.842	1.147	0.374	1.669	2.236
C22orf18	681943 || C	-0.429	0.044	0.279	-0.034	-0.026	-0.747	-0.149	-0.713	-0.227	-0.413	-0.002	0.248	-0.314	0.25	-0.318	-0.021	-0.166	-0.256	-0.168	-0.484	0.203	-0.185	0.489	-0.35	0.486	0.018	-0.62	0.456
C2F	687401 || C	1.533	0.661	-0.308	1.474	-0.451	-1.385	0.269	-0.668	-0.325	-1.057	0.719	1.419	2.242	-0.433	-0.856	-0.068	-1.577	-1.52	-0.128	-0.723	0.399	1.105	-0.116	-1.397	-0.259	-0.335	-0.521	-0.021
C2orf17	693373 || C	-1.382	0.959	-0.091	0.064	-0.404	1.022	-0.042	1.746	1.189	-0.235	0.328	0.13	0.184	-0.068	0.717	1.191	0.557	1.124	-0.088	-0.075	-0.235	-0.266	0.398	0.124	-0.408	-0.602	-0.068	-0.629
C4A	689714 || C	0.138	-0.071	-0.081	-0.143	-1.171	-0.102	0.08	-0.191	0.103	0.929	-0.057	0.769	-0.867	0.58	0.194	-0.56	-0.43	-0.49	-0.215	-0.344	0.199	0.459	-0.1	0.392	1.101	0.486	0.155	0.808
C5orf13	694921 || C	0.183	-0.193	-0.398	-0.18	-0.173	0.016	-0.009	-0.306	-0.071	-0.308	0.021	-0.18	-0.45	0.506	0.165	0.381	-0.14	0.691	-0.095	-0.21	0.232	-0.374	0.454	0.262	0.249	-0.471	0.201	0.112
C6orf108	694989 || C	0.672	0.185	-0.806	-0.564	-0.034	-0.318	-1.549	-0.392	0.232	0.071	0.444	0.431	-1.595	0.793	0.274	0.47	-0.098	-0.511	0.065	-0.663	0.079	-0.036	0.332	0.009	-0.534	-0.22	0.13	1.022
C6orf166	694215 || C	0.426	-0.828	-0.465	-1.185	-0.193	-0.516	-0.779	-0.89	0.436	-0.466	-0.084	0.673	-1.441	-0.4	-1.317	-0.77	-0.803	-0.395	-0.702	-1.819	0.908	0.879	-0.471	-1.624	-0.871	-2.471	-1.752	-0.975
C6orf192	691969 || C	0.0585	-0.4965	0.0765	0.5635	0.0785	-0.0565	-0.0725	-0.1965	-0.2035	0.3825	0.0185	0.2845	0.3795	3.7255	0.3635	-0.0075	-0.5315	-0.3165	0.0975	0.0385	0.1815	0.0225	0.1065	0.1475	0.5225	-0.4335	0.1805	0.3175
C8orf211	692990 || C	1.42	1.704	0.754	1.873	1.675	2.109	1.779	1.038	0.593	0.119	0.123	-0.008	1.661	0.463	0.935	1.497	1.274	1.538	1.113	-0.177	0.721	1.178	0.877	0.227	0.535	-0.625	-0.528	-0.356
C6orf49	692808 || C	0.0945	0.6835	-0.3765	1.0585	0.5415	1.3895	1.4395	1.3425	0.2375	0.8195	1.6045	1.8655	1.5315	0.9905	0.9225	1.0215	1.1425	0.7235	1.5345	0.3075	-0.0385	0.2425	0.5975	-1.5095	-0.6775	0.2585	0.2375	0.0075
C6orf65	693055 || C	0.3765	-0.8045	-0.2635	-0.9055	-0.0165	-0.1435	-0.7395	-0.3395	0.3845	0.1595	-0.6425	-0.9335	-0.3485	-1.2485	-0.5705	-0.6635	-0.8965	-0.8465	-0.5955	0.4975	0.4055	-0.1955	-0.0045	-0.5215	-0.0155	0.3915	-0.4055	-0.0135
C7orf24	685020 || C	-0.53	-0.955	-0.433	-1.023	-2.253	-1.173	-0.811	-1.167	-0.398	-1.437	-0.596	-1.514	-1.035	-1.227	-0.514	-0.014	-0.506	-0.15	-1.23	-1.287	-0.973	1.767	0.173	-0.248	-0.594	-0.707	-1.881	-0.917

WO 2007/061876 PCT/US2006/044737

Table 18.

Sample		9830-0100	BC00030-I	030222-MI	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-MI	BC00035T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
C9orf10	682761 || C	1.365	-0.831	-0.372	1.942	2.64	1.542	1.766	-1.027	-0.759	0.041	-0.027	-1.595	1.471	0.887	-1.045	0.299	0.495	0.706	0.631	0.691	0.376	-0.697	-1.183	0.708	1.097	2.189	-0.017	0.771
C9orf121	692685 || C	0.616	-0.29	0.34	0.792	1.046	0.257	0.651	0.018	0.647	-0.342	0.183	0.442	0.758	0.439	0.079	0.174	-0.073	-0.266	0.351	0.468	0.332	-0.008	0.059	0.45	0.17	0.27	0.501	-0.132
C9orf58	686494 || C	1.3005	0.0785	-0.0175	0.7095	-0.3485	-0.4165	-0.1985	-0.1585	-0.4015	0.2155	0.3245	0.2975	-0.7565	-0.5135	0.0325	-0.3045	-0.4195	0.1145	-0.2615	0.3715	-0.2215	-0.3705	-0.6655	-0.1285	0.1155	0.7305	-0.1335	0.1275
C9orf86	685307 || C	-1.75	-2.57	1.137	-0.865	-1.463	-1.189	-1.69	-1.177	0.531	-2.375	0.377	0.714	0.944	0.666	-1.184	-0.645	-1.713	-1.637	-1.2	-2.231	1.149	1.051	-0.015	-1.974	-1.532	-2.584	-1.887	-0.317
C9orf9	696998 || C	0.258	-0.9	0.006	1.132	0.093	0.108	-0.756	-0.314	-0.592	0.388	2.001	1.632	-0.105	-0.26	-0.211	-0.008	-0.83	-1.979	-0.176	-2.288	0.955	-0.396	-0.789	-0.028	0.767	1.498	-0.688	0.116
CA12	697341 || C	0.427	-1.141	-0.732	1.265	-0.005	0.178	-0.708	-0.327	-0.699	0.532	1.867	1.936	0.066	-0.328	-0.482	-0.075	-0.71	-2.088	-0.049	-2.571	0.937	-0.851	-1.181	-0.039	0.853	1.056	-0.967	0.283
CA8	681755 || C	0.715	0.235	-0.551	0.297	-0.029	0.077	-0.374	-0.253	-0.096	-0.209	-0.227	-0.134	-0.38	-0.386	-0.365	-0.481	-0.042	-0.299	-0.317	0.101	-0.088	-0.094	0.141	-0.295	-0.01	-0.15	-0.251	-0.276
CA8	683844 || C	-0.1125	0.3715	0.2765	0.1405	-0.1835	0.1005	0.0745	-0.0655	-0.0775	0.4525	-0.2295	-0.1195	-0.0325	0.0505	-0.0305	-0.1145	-0.0025	0.0625	0.1945	0.0525	-0.1555	-0.1455	-0.0725	0.2035	-0.0015	-0.1785	0.4235	0.9165
CACNA1G	687482 || C	0.387	-0.246	1.214	-0.509	0.197	-0.055	-0.702	0.178	0.268	0.146	-0.032	-0.272	-0.006	0.186	-0.018	0.326	-0.568	0.33	-0.121	-0.015	0.955	0.193	1.105	0.099	0.198	1.528	-0.098	0.133
CALCA	686738 || C	3.671	2.462	-0.282	2.786	2.447	0.878	2.577	-0.609	-0.62	3.713	2.297	0.752	3.207	2.938	1.953	2.575	1.252	-0.159	0.309	4.64	-0.138	0.404	-0.261	2.175	4.141	0.272	-0.394	1.961
CALML4	685502 || C	0.2085	-0.5895	0.7675	-1.8235	-0.1315	0.5885	0.2005	0.4975	-0.2925	-1.9155	0.0315	-0.2495	1.0825	-1.2085	1.2595	0.8315	-0.4015	-0.1135	-0.4395	1.0935	-0.0065	0.9135	-0.0455	-1.0115	-1.7705	0.1515	-1.4875	-1.0905
CALML5	686121 || C	-0.5635	-0.4685	-0.1765	-0.3345	0.1155	-1.1455	-0.4575	-0.2035	0.4265	-0.6605	-0.3105	0.8985	0.5615	-0.9415	-0.3005	-0.1555	-1.0295	-0.1715	0.3175	-0.9305	-0.0265	0.6545	0.3625	0.2295	0.8795	-0.1195	-0.2085	-1.2885
CaMKIINal	691045 || C	0.126	-0.199	-0.711	-0.539	0.005	0.311	0.341	-0.266	0.089	-0.566	-0.163	-0.34	-0.09	-1.751	0.435	-0.009	-0.107	0.487	0.097	-0.128	0.182	-0.295	0.003	-0.051	0.037	-0.381	-0.426	-0.014
CAP2	693946 || C	3.134	2.973	-0.147	2.402	2.164	1.06	2.149	-0.555	-0.751	2.018	1.135	1.076	1.29	1.447	0.707	1.191	0.068	0.305	-0.662	0.295	1.705	-0.619	-0.079	-1.275	2.044	-0.395	-0.981	-0.899
CAP350	695521 || C	0.5325	0.2225	-0.2365	-0.2565	-0.1975	-0.9115	-0.3355	-0.4905	-0.3745	-0.9445	0.0855	-0.7115	-0.3015	-0.1745	-0.2005	-0.1275	-0.0175	-0.2405	-0.1475	-1.5235	0.3375	0.0175	-0.4415	0.2895	-0.2275	0.0705	0.3495	-0.3055
CAPN13	691887 || C	0.722	0.088	-0.574	0.555	1.571	1.075	0.82	0.025	-0.967	0.459	0.004	0.53	2.618	2.04	-0.421	0.577	-0.219	-0.4	-0.459	0.657	0.724	1.412	-0.929	0.427	1.677	-0.317	-0.613	-0.608
CAPN6	697168 || C	-0.0965	-0.3055	-0.2465	0.3985	-0.3625	-0.0335	0.1455	-0.2945	-0.1715	0.0765	-0.3665	-0.1455	-0.0675	-0.1185	-0.5075	-0.4805	-0.2945	-0.1735	-0.4315	-0.1575	-0.4155	-0.2365	0.0185	-0.4835	-0.3245	-0.3645	-0.1025	-0.1975
CARD14	681056 || C	-0.2555	0.6565	0.4995	-0.6515	-1.4495	-0.6955	-1.2705	0.3305	-0.4015	-0.1225	0.8775	1.0945	-1.1575	0.2515	-0.4945	0.6285	0.0835	0.4495	0.7795	0.8805	0.9645	-0.8645	-0.4115	-0.2795	0.1065	-0.4205	0.7375	0.2055
CART	687059 || C	0.0735	-0.0875	0.0855	-0.4685	0.5065	0.9585	0.4525	0.2215	0.1625	-0.9645	-0.1625	-0.4565	0.4595	0.6625	-0.0245	0.4455	0.4215	0.9755	0.7055	0.5155	0.2645	-0.3285	-0.3225	0.4975	0.0405	-0.7875	-0.4765	0.0005
CASP1	682686 || C	-0.232	-0.08	0.308	-1.294	-0.408	0.069	0.331	0.157	0.232	-0.782	0.278	0.792	0.083	-0.114	0.279	0.481	-0.004	0.45	0.002	-0.302	-0.164	-0.787	0.063	-0.469	-0.873	-0.852	-0.198	-1.309
CASP3	696606 || C	0.796	0.089	0.711	0.173	-0.113	-0.012	0.509	0.54	0.026	0.392	-0.13	0	0.194	0.292	0.026	0.127	-0.161	0.016	-0.215	0.119	0.242	-0.085	-0.218	-0.058	0.168	0.282	-0.239	-0.345
CASP7	693491 || C	-0.0155	-0.1005	-0.6775	-1.2095	-0.3555	-0.9955	1.1245	0.0545	-0.3955	-0.6155	0.3145	0.3605	-0.6455	0.6545	-1.1855	0.4445	-0.9755	-0.3755	1.6145	-0.7155	0.0445	-1.3815	1.0945	0.4745	0.6745	1.3885	0.8115	2.1025
CBLN1	685274 || C	-0.099	-0.175	0.523	1.324	-1.004	-0.456	0.577	0.115	0.624	1.104	0.971	1.079	2.137	2.73	-0.179	0.393	1.013	-0.211	2.208	-0.424	-0.538	-1.142	0.482	0.306	0.245	0.949	-0.862	2.381
CBR1	764397 || C	-0.3425	0.6785	0.0615	1.6155	0.6495	1.4775	-0.7035	-0.1495	-0.4615	1.3975	1.0655	0.0355	0.9455	0.3515	0.6085	0.9285	0.6945	1.3285	0.0905	-0.2565	-0.3815	-0.1935	0.6465	-0.2035	-0.7625	-0.9205	-0.7145	0.6895
CBR3	683488 || C	0.032	-0.072	0.164	0.549	-0.17	-0.017	-0.27	0.124	0.066	-0.181	-0.079	0.345	0.2	-0.014	-0.148	-0.262	-0.413	-0.317	-0.109	0.009	0.267	0.046	-0.009	0.09	0.394	0.256	-0.157	-0.572
CBR4	697391 || C	1.8695	-0.3265	-2.1065	-1.1565	-0.3865	-1.0655	1.0425	-0.9105	-2.1275	0.6045	-0.4085	-1.4715	1.9425	-0.8345	-1.7525	-0.0155	0.3785	-1.5715	2.2445	-2.2745	-0.1625	0.8635	1.2355	0.2965	-1.9265	2.2625	3.0925	-1.9395
CCL24	681864 || C	-0.633	0.098	0.28	-0.566	-0.249	0.059	0.485	-0.182	0.225	0.557	1.197	-0.136	0.864	0.98	0.903	0.541	0.665	0.624	-0.173	0.204	-0.719	-0.046	0.123	1.39	-0.024	0.077	1.731	2.269
CCL26	685513 || C	-0.235	-0.501	0.311	-1.816	-0.732	-0.352	-2.304	-1.14	0.231	-0.533	0.503	0.398	-1.81	-1.501	-0.986	-0.161	-0.69	-0.729	-0.187	0.516	-0.864	-0.562	-1.636	0.607	1.136	-0.115	-0.301	2.303
CCNB2	694924 || C	0.4495	0.2225	0.0605	0.3415	-0.0805	0.8405	0.1515	0.1995	0.7795	0.5255	1.2875	0.7365	0.5295	0.3365	-0.0005	-0.4105	0.5085	0.1865	-0.1895	0.2965	0.2405	0.2985	0.5395	1.0035	0.0335	0.1215	2.2875	0.4045
CCND1	689117 || C	-1.144	-0.474	-0.791	-0.583	0.543	1.297	-1.084	-0.216	-0.489	-1.916	-0.287	-1.312	-0.178	-2.337	-0.409	0.404	-0.532	0.806	-0.487	-0.119	0.035	-0.886	0.075	-1.016	-0.908	-1.004	-1.413	-1.468
CCNE1	685647 || C	-0.2285	0.2205	0.1655	0.4825	-0.3925	-0.7775	-1.1825	0.3305	0.2945	-0.4395	0.0375	0.1595	-0.0515	-0.6725	-0.4225	-0.5475	-0.1355	-0.0695	-0.3545	-1.2955	-0.0285	-0.8555	-1.4365	-0.7415	-0.5785	-1.1275	-0.9235	-0.8625
CCNG2	686672 || C	-0.248	-0.176	0.33	-0.382	0.554	-0.357	0.65	-0.129	-0.479	0.656	0.272	0.023	0.228	0.428	0.056	0.051	0.257	1.749	2.785	1.74	0.562	0.256	-0.238	0.531	-0.937	0.041	-0.445	-1.144
CCNH	688140 || C	-0.1215	0.1865	-0.6375	-0.2135	-0.5155	0.2285	-0.3885	0.2475	-0.8235	0.5245	0.7055	0.9255	-0.4785	0.8405	-0.2585	-0.5165	-0.1535	1.2705	1.9935	0.6815	2.9465	0.3295	0.2185	0.6545	0.1695	0.5175	-1.0265	-0.3875
CD38	691273 || C	-0.1005	-0.1935	0.3735	0.6435	-0.1075	-0.1735	-0.1025	-0.1225	-0.2195	-0.1785	-0.3115	0.7975	0.0475	-0.1885	-0.0455	-0.2305	-0.5145	1.4185	1.5995	1.4385	0.4255	0.0055	-0.0335	0.0875	0.2325	0.3395	-0.4115	-0.7035
CD3D	696702 || C	-0.6935	0.0645	-0.0915	-0.5115	0.1545	-0.5235	0.0565	-0.2035	0.3455	-0.0145	0.3285	-0.2945	-0.6535	0.1095	0.0885	0.2835	1.1215	0.4475	0.2255	0.3635	-0.2325	-0.4585	-0.3285	-0.1355	0.5385	0.4435	-0.0215	0.3675
CD4	691128 || C	0.3495	0.1885	0.3845	-0.3595	-0.0985	-1.0355	-1.1165	-0.1405	-0.4875	-0.2705	-0.6125	-1.0145	-1.1775	0.3265	-0.0705	0.9355	1.8385	-0.7135	-0.0515	-1.1525	-0.3365	-0.7985	0.3425	1.0575	0.2505	-0.0105	0.1485	1.5125
CD58	695421 || C	-0.273	-0.188	0.252	0.005	-0.296	0.13	0.896	-0.51	0.296	1.047	0.948	0.541	0.696	0.103	0.649	0.528	0.502	0.715	-0.475	-0.659	-0.817	-0.354	-1.274	1.547	-0.436	-0.845	0.804	1.139
CD59	682450 || C	-0.2165	1.0205	1.5625	0.1635	-0.5285	3.1745	0.4445	-0.9575	-0.4115	0.8245	2.4035	1.8155	4.8535	1.9705	0.3605	-0.1615	-0.0085	-0.1235	0.8055	0.0715	0.0385	-0.3855	1.2935	0.6575	0.6475	-0.0485	0.6775	0.8055
CDC2	694849 || C	-0.5315	0.1645	-0.2055	-0.9135	-0.6545	0.3845	0.5745	0.0615	0.6705	-0.2835	0.6645	0.2805	-0.1375	-0.8165	0.6555	-0.6705	0.0935	-0.0965	-0.1455	-0.2045	0.0155	-0.3605	-0.1485	1.0605	0.2755	0.4995	1.7235	1.2845
CDC6	693742 || C	-1.1505	-0.7325	0.6905	0.0925	-0.2705	0.6295	0.2765	-0.2455	0.3345	0.6335	1.4045	0.8165	1.7345	0.9365	0.5685	0.6875	1.6065	0.5875	0.0005	0.6555	-0.0225	0.0205	-0.0215	1.7015	1.1475	-0.0855	1.6745	1.5615
CDCA1	693999 || C	-0.7	1.176	0.11	-0.378	-0.451	0.847	-0.41	0.332	-0.205	-0.623	0.253	-0.135	0.659	-0.038	-0.048	0.604	0.652	0.304	0.92	0.02	0.852	0.31	-0.231	0.503	1.072	1.104	1.146	1.379
CDCA5	696784 || C	0.758	0.681	0.454	0.211	1.273	1.238	0.703	0.87	1.056	0.143	0.193	-0.477	1.05	1.131	0.291	1.037	0.752	2.127	-0.487	0.866	-0.276	0.558	-0.386	-0.008	-0.065	-0.358	0.048	0.065
CDCA7	686991 || C	1.4155	1.6745	-0.5475	-0.7295	-1.0065	-0.8805	-0.4085	-0.3315	-0.6915	-0.5645	1.0435	-0.3705	1.0205	-0.1145	-0.0505	1.9225	1.7915	-0.0345	-0.8565	1.3305	0.3135	-0.5095	1.0275	2.3115	1.5355	0.9675	1.4235	-0.3275
CDH1	693949 || C	-0.388	-0.558	-0.2	0.321	0.283	0.584	0.49	-0.306	0.118	-0.293	-0.099	0.1	0.69	1.835	-0.598	0.046	-0.283	-0.526	0.031	0.22	0.056	-0.022	-0.376	1.297	0.77	-0.361	0.639	0.374
CDH3	689567 || C	-0.4545	0.4625	1.2815	1.4645	0.2375	0.3905	-0.1785	-0.0085	0.1065	0.7235	1.0855	0.0765	0.6785	-0.0885	-0.4015	0.1705	-0.1495	-0.5355	-0.1195	0.1785	0.2245	1.1175	-0.3015	1.0655	-0.0625	0.6675	2.6355	-0.3645
CDK2	690323 || C	-0.0605	-0.3135	0.4175	-0.0895	-0.3325	0.4395	0.9015	-0.0285	-0.4695	-0.0585	-0.1845	0.3065	0.7205	-0.1755	-0.8135	-0.1545	0.0635	0.2375	-0.3035	-0.3465	-0.1755	-0.0035	0.7175	0.9955	0.1915	0.8285	-0.3505	2.3945
CDKN2A	692881 || C	0.5045	0.8065	-0.1365	-0.3415	0.2365	0.3405	0.7235	0.1145	0.0125	0.9335	0.5215	0.7625	0.5015	0.3425	0.8845	0.1655	1.1505	0.6155	-0.0005	0.3705	-0.5425	-0.6765	-0.3715	0.8135	-0.2585	-0.3665	0.2725	-0.1895
CDKN2D	682687 || C	0.04	0.865	-0.507	0.169	-0.406	0.862	-0.153	-0.222	0.011	-0.043	0.307	0.845	0.549	0.278	1.224	-0.395	-0.625	0.556	0.341	0.328	0.076	-0.222	-0.679	1.456	1.418	-0.214	1.379	0.83
CDKN3	684517 || C	0.176	-0.018	3.456	0.088	-0.451	0.18	0.11	0.51	0.485	0.99	-0.375	-0.055	-0.316	-0.23	-0.618	-0.473	0.653	-0.654	0.187	-0.137	0.218	-0.095	0.126	1.004	-0.119	0.45	0.818	0.113
CDT1	686706 || C	-0.5925	-0.2885	-0.6205	-0.8615	-0.0435	-1.5655	-1.5805	0.3495	0.1025	-1.0635	-0.4555	-0.2045	0.3615	-2.0595	-1.3285	-1.0795	-1.4505	-1.7235	-0.9955	0.2655	0.2085	0.7335	-0.5065	-1.2055	-0.0095	-0.8385	-0.6885	-1.1065
CEBPG	688002 || C	0.012	0.001	-0.169	-0.162	0.189	1.273	0.875	0.23	-0.255	0.296	0.281	-0.298	-0.001	0.452	0.375	-0.584	0.979	0.637	0.161	0.278	-0.398	-0.43	0.295	0.975	0.255	0.434	1.543	0.729
CELSR1	686084 || C	-0.275	-0.326	0.334	-0.336	-0.317	0.809	-0.007	0.34	0.3	0.342	0.569	-0.036	-0.091	0.032	0.424	0.269	0.16	0.555	-0.369	-0.729	-0.221	-0.226	0.175	0.189	0.045	0.544	1.154	0.864
CENPA	697624 || C	-0.558	-0.616	0.504	-0.897	-0.496	1.007	1.17	-0.199	0.269	-0.96	1.494	-0.235	0.291	-0.145	1.468	0.782	0.158	1.141	-0.661	-0.138	-0.33	-0.072	0.468	1.274	0.579	0.873	1.936	1.177
CENPE	683395 || C	0.189	0.016	0.042	0.143	0.203	0.165	0.216	-0.436	0.434	-0.521	-0.128	0.227	0.358	0.649	-0.578	-0.193	-0.42	-0.642	-0.183	0.08	0.02	0.156	-0.727	0.596	0.622	0.659	0.157	0.368
CENPF	691312 || C	0.8725	-0.0915	0.4715	-0.2785	-0.1615	0.1575	-0.0465	-0.0305	-0.1645	-0.1585	-0.6985	0.0015	-0.4265	-0.5665	-0.1365	0.1765	-0.5815	-0.2955	0.1675	0.0485	0.2265	0.2205	-0.1815	0.2105	-0.3735	-0.1405	-0.5655	-0.4635
CENTG3	687661 || C	-0.5605	-0.1175	-0.2755	0.3435	-1.0535	-0.3215	-1.0985	-0.2635	0.2435	0.3255	-0.0935	0.0485	-0.5905	-1.3155	-0.9245	-0.4905	-0.3325	0.0085	-0.9805	-1.4885	-0.8885	-0.8915	-0.9515	-1.0025	-1.1225	-1.4925	-0.7985	-0.6005
CES2	697031 || C	-0.567	-0.047	1.681	-0.523	-1.025	-0.651	-0.237	0.317	-0.049	-0.686	-0.31	-0.098	0.494	0.876	0.758	-0.54	-0.319	-0.287	-0.466	-0.809	0.797	0.283	0.544	0.915	-1.167	0.669	0.081	2.897
CETN3	692233 || C	-0.6295	0.8705	-0.4275	-0.7475	-0.4135	0.0395	0.0575	0.0795	-0.7825	1.4795	0.9975	0.6535	0.7625	-0.9995	-0.1235	0.3485	0.8535	0.0985	-0.0035	-0.0705	0.0425	0.2765	-0.2615	0.2015	0.0075	0.5535	0.4435	0.6505
CGA	693621 || C	-0.5765	-0.1205	-0.8595	-0.7145	-0.7415	-0.5225	-0.1505	-0.1595	-0.5845	-0.0155	1.2595	1.4525	-0.3575	-0.3565	1.7155	-0.5945	1.0585	0.8095	-0.0655	0.2925	-0.0445	-0.8375	-0.6375	-0.1965	0.0295	-1.2765	-0.2555	0.9935
CGI-12	683023 || C	-1.0805	-0.7155	-0.7945	-1.9195	-0.4965	-0.7065	1.3625	-1.3055	0.4785	-2.0495	2.7955	1.2055	0.2055	-1.0645	2.1415	1.0435	-1.2905	-0.0335	0.2365	-0.0105	-0.0675	0.4555	1.1545	-1.2735	-0.5815	-0.3485	0.0175	0.6885
CGI-48	693157 || C	-0.011	-0.467	-0.598	-2.814	-1.313	0.844	0.241	-1.056	-0.259	-1.507	-1.216	-0.979	-1.511	-1.48	-2.534	-1.769	-1.09	-0.145	-1.603	0.252	0.337	0.454	0.288	-0.501	0.653	-0.575	0.205	-0.28
CGI-49	684734 || C	0.127	-0.956	-1.754	0.498	-0.056	-0.291	-0.013	-0.043	0.269	-0.481	-1.526	-0.78	-0.545	0.654	-2.397	-0.374	-0.109	-1.57	0.884	0.041	-0.285	-1.094	-0.256	-1.329	0.362	-1.025	-1.77	1.151
CGN	688407 || C	-0.787	0.023	0.053	0.433	-0.683	0.009	1.757	-1.084	-0.28	0.007	0.42	1.103	1.067	1.521	-0.071	0.115	0.013	0.092	0.385	-1.219	-0.287	-0.367	0.779	0.637	-0.058	-0.267	0.083	1.323
CGNL1	690560 || C	0.4595	1.3725	0.0535	1.9195	-1.4505	0.2355	1.5355	-0.2945	-0.1565	1.1615	0.7945	0.3785	1.8875	0.4675	0.9165	0.3735	-0.1605	-0.7935	0.3835	0.6165	-0.0355	-0.3335	0.9225	1.1695	-0.0005	0.5445	-0.2285	0.6105
CHAF1B	682830 || C	0.015	0.536	-0.016	0.407	0.076	-0.106	1.99	-0.507	-0.267	0.659	0.908	0.709	0.297	0.603	0.354	0.263	0.189	0.027	-0.155	0.879	0.008	0.139	0.219	0.391	-0.179	-0.281	0.14	0.558
CHC1	682220 || C	-0.13	-0.758	-0.072	0.843	0.156	0.424	0.286	-0.357	0.134	-0.043	0.147	0.394	-0.132	-0.273	-0.142	-0.589	-0.361	-0.702	-0.522	-0.134	-0.374	-0.503	-0.344	-0.4	-0.291	-0.82	-0.825	-0.065
CHCHD2	681919 || C	2.046	0.35	0.607	0.917	-0.728	-1.16	-0.515	-0.401	-1.28	-0.073	0.609	0.001	-0.831	-0.09	-0.702	0.7	0.329	0.381	-0.75	1.587	0.106	-0.104	-1.22	2.679	4.198	3.578	1.671	2.403
CHCHD5	686549 || C	0.965	-1.242	-0.8	1.03	1.455	-1.85	-1.335	-1.583	-0.67	-0.273	-0.793	2.245	-0.958	-1.079	-1.992	-1.296	2.005	-1.188	-1.267	-0.212	-0.209	0.109	0.88	0.814	2.243	2.173	3.265	2.419
CHI3L1	689913 || C	-0.358	0.12	-0.037	0.709	-0.384	0.073	0.379	0.192	0.08	0.557	-0.042	-0.232	0.306	1.987	-0.66	0.395	-0.288	-0.453	0.322	-0.087	0.433	1.169	-0.589	0.583	0.222	0.039	0.316	-0.767
CHI3L2	683767 || C	-0.046	0.127	0.517	0.306	-0.514	-0.028	-0.333	0.636	-0.06	0.25	0.068	0.29	-0.202	0.061	-0.092	-0.199	-0.29	-0.134	0.264	0.654	0.139	0.248	-0.093	1.22	2.056	1.376	0.94	1.008
CHKA	689809 || C	0.168	0.026	-0.404	-0.244	-0.18	-0.246	-0.286	-0.141	-0.804	-0.059	0.159	-0.092	-0.343	0.115	-0.271	-0.14	-0.438	-0.315	-0.199	-0.522	0.403	0.682	0.36	-0.26	0.63	0.132	0.73	3.484
CHODL	694845 || C	-0.0965	0.0215	0.5575	0.1065	0.0665	-0.1015	-0.3335	0.3295	-0.0295	-0.4055	-0.2255	0.0885	-0.2195	0.0045	-0.1325	0.0185	-0.2585	-0.1465	0.0665	0.2075	0.2735	0.1515	0.0365	-0.0835	0.1235	0.2395	-0.1805	-0.3215
CHRDL2	686365 || C	0.128	-0.007	-0.479	0.11	2.673	-0.534	-0.467	0.07	0.398	0.205	-0.612	-0.463	-0.816	-0.724	0.244	-0.589	0.412	-0.445	-0.285	0.156	0.117	-0.313	-0.627	-1.229	-0.401	-0.911	-1.005	-0.602
CHST2	691695 || C	-0.5235	-0.4145	-0.0705	0.1125	-0.0385	0.0815	-0.5245	-0.0735	0.0845	-0.5255	0.1015	0.2535	0.2115	-0.4125	-0.0485	-0.2695	-0.6975	-0.0865	-0.1795	-0.0275	0.0755	-0.5215	0.0195	-0.3395	0.0635	-0.3095	-0.7505	0.0025
CHURC1	684314 || C	-0.079	-0.047	0.097	0.066	-0.322	-0.131	-0.658	0.246	-0.478	-0.472	-0.571	-0.656	-1.168	-0.145	0.362	-0.707	-0.014	0.148	0.206	-0.688	-0.214	-0.416	-0.698	-1.224	-0.597	-1.266	-1.023	-0.742

WO 2007/061876 PCT/US2006/044737

Table 18.

Sample		9830-0100	BC00030-I	030222-MI	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-MI	BC00036T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
CIR	699941	0.7195	0.4865	-0.2215	-0.1875	-0.1865	0.4075	-0.0205	0.2135	0.0655	0.4515	-0.1315	0.0875	-0.7095	-0.1795	0.0225	0.4525	0.1655	0.1035	0.0665	0.6615	0.1895	-0.3365	-0.3025	-0.5075	0.1395	-0.6115	-0.2555	-0.2125
CIRBP	685402	-0.6645	0.2975	-0.6285	-0.2975	-0.0745	1.8015	0.6945	0.0405	-0.4225	-1.0735	-0.9735	-0.6355	-1.2675	-0.8515	-0.9015	-0.5565	0.0115	0.1975	-0.1365	-0.0005	0.7725	-0.9755	-1.0615	-0.8935	-0.2905	-0.7965	-0.3095	0.7525
CKLF	688221	-0.0975	-0.7155	-0.8565	-1.4195	-1.8315	0.1895	-0.7525	-0.7815	-0.7185	-0.9655	-1.2285	-1.0235	-1.2815	0.1185	-0.6575	-0.7765	-0.8355	-0.4605	0.1735	0.8475	1.0575	-0.2755	-0.9255	0.7335	0.8405	0.9155	1.4415	1.1805
CKLFSF6	681860	1.3035	-1.0225	1.1645	0.9485	-1.7255	-1.3985	0.1685	-1.1435	1.4975	2.1175	0.9215	0.5465	2.0835	0.5105	1.8415	1.3965	0.9795	-0.6805	0.2205	1.2895	-1.5405	0.9965	0.6105	0.3565	-1.9255	0.1075	0.7515	-1.4615
CKLFSF7	694344	-0.077	-0.037	0.063	-0.614	-0.472	-0.133	1.32	-0.235	-0.239	0.028	0.73	0.473	0.513	-0.538	-0.021	0.063	0.515	-0.085	-0.295	-0.54	-0.423	-0.468	0.089	0.458	0.54	-0.059	0.965	0.956
CKMT1	692149	-0.677	-0.556	-0.337	-1.021	-0.529	-0.599	0.435	-0.688	0.14	0.692	0.182	-0.454	0.018	-0.334	0.422	-0.514	0.295	0.464	-0.983	-0.133	-0.471	0.296	-0.417	0.334	-0.51	0.204	1.331	1.437
CKS1B	696332	-0.167	0.388	-0.092	0.613	0.354	0.46	0.139	0.616	-0.086	1.165	0.223	0.259	-0.516	0.262	-0.436	-0.538	0.27	1.333	-0.522	0.586	-0.31	-0.225	-0.535	0.079	-0.138	0.36	-0.391	-0.002
CKS2	691352	-0.0435	0.0585	-0.5705	-0.7165	0.4855	0.5755	1.7275	-0.1725	-0.6545	-0.8525	-0.7725	-0.6925	0.1545	-0.0495	-0.7535	0.5895	-0.3815	0.0775	0.6875	0.2915	-0.6345	-0.7195	-0.9705	2.0115	0.3585	-0.3485	0.2085	-1.6315
CL640	695108	1.0735	0.5095	-1.6155	0.7055	0.2495	-0.6035	1.9485	-0.4155	-0.6115	-0.0855	0.2145	0.9575	1.4335	1.1655	-0.0645	-0.6575	-0.1305	-0.5825	1.4345	2.9535	-1.0945	0.3985	-0.0045	0.8015	0.9305	0.7705	0.9795	-0.9855
CLDN23	683062	0.6115	0.7795	1.2845	0.1165	-0.2665	0.4745	1.9105	0.6235	-0.3215	-1.3605	-0.4215	0.1135	-0.1765	0.2795	-0.7285	-0.3805	1.5375	-0.6755	0.3125	2.3165	-0.6275	-0.0905	0.2095	0.4305	0.7675	0.4395	0.1255	-0.8045
CLDN3	688923	2.5335	1.3595	-0.8155	-0.7345	0.2795	-0.1395	2.1315	-1.3055	-0.8595	2.7505	-0.3095	-0.5855	0.4095	1.3235	-0.4385	0.5165	0.9695	-0.4835	-0.5515	-0.4035	0.8355	0.2405	-0.9345	-0.7465	0.1855	0.4445	-0.6035	1.8085
CLDN4	681712	1.535	-0.72	-1.502	2.397	-0.245	-0.971	-0.532	-0.845	-2.388	0.194	-0.369	1.057	4.464	-0.523	-1.598	0.395	0.289	-0.687	-0.788	-0.939	-2.065	-0.907	0.044	-0.148	-1.612	-1.596	-0.443	-1.342
CLDN8	695858	0.0025	-0.3435	-1.3775	-0.5515	-0.8655	-0.8195	-1.0155	-0.2925	-0.3035	0.3685	-0.1855	-0.0545	-0.8275	-0.5765	0.1275	-0.8065	-0.5585	-0.6705	-0.5945	1.0435	-0.2545	0.5795	0.6505	-0.8405	-0.8265	-1.3525	0.8775	-0.2355
CLGN	691474	-0.9005	0.2585	0.9825	-0.7445	-0.7015	-0.0715	-0.8505	-0.1205	0.0325	-0.1425	0.4235	0.0585	0.2485	-0.2365	0.3275	0.0635	-0.1945	0.6445	-0.1515	-0.3065	0.2625	0.1395	-0.5265	0.6555	-0.0345	0.0005	0.7535	0.6005
CLIC6	692133	-0.221	0.502	0.073	0.205	0.501	0.043	0.351	0.654	-0.003	-0.481	-0.119	-0.438	-1.103	-0.202	0.385	0.88	2.441	1.254	-0.251	0.825	-0.193	-0.78	0.29	-0.841	-0.742	-0.909	-0.806	-0.119
CLNS1A	693088	2.3125	0.0355	-0.0485	2.5055	3.4035	-1.9115	0.8515	-1.2235	-1.7475	-3.5145	-0.3345	0.3505	0.2225	2.3665	-1.2525	-0.0465	-0.9355	0.1465	0.0035	-0.9625	-0.0235	-1.8495	0.2315	-0.6355	-1.4935	0.5485	0.3515	-0.8895
CLTC	694429	0.035	1.177	-0.28	-0.667	-0.435	0.027	-0.922	-0.097	0.343	0.681	0.256	-0.262	-0.929	-0.615	-0.259	-0.799	0.211	-0.075	-0.162	0.302	-0.194	0.163	-0.245	-0.038	1.021	2.962	1.293	1.163
CLU	691706	0.02	0.8	0.41	-0.73	-0.539	0.436	-0.095	-0.213	-0.358	1.101	1.047	0.12	1.003	-1.403	0.144	0.591	0.566	0.252	0.223	-0.105	-0.289	0.21	-0.077	0.113	0.693	0.21	0.37	0.95
CMAS	682207	0.3445	1.2805	-0.0595	0.2315	-0.2675	-0.2945	-0.5605	0.0145	0.2715	1.0235	0.2375	-0.0725	0.2255	0.1165	1.6485	0.5895	1.1225	0.2995	-0.3065	0.4805	-0.9145	-0.2665	-0.8165	-1.0335	-0.6555	-1.0825	-1.1365	-0.2455
CML66	682090	-0.671	0.017	-0.405	-0.282	-0.604	1.48	0.165	-0.57	-0.455	0.133	-0.443	-0.083	-0.6	-0.238	2.029	-0.209	0.303	-0.285	-0.358	-0.091	0.931	-0.128	-0.654	0.404	0.001	-0.736	0.718	1.034
CNIH	685679	-0.02	-0.011	-0.216	0.634	0.848	0.172	-0.201	0.484	0.351	-0.158	1.004	0.501	0.331	0.035	-0.078	0.159	-0.195	0.227	-0.148	-0.081	0.362	0.273	-0.42	0.077	-0.195	2.641	-0.277	-0.232
CNOT10	686504	-0.3765	-0.6875	-0.1175	0.2775	0.7385	0.3575	0.3995	0.1725	-0.1755	-0.2775	-0.3935	-0.5575	-0.1665	-0.9395	-0.2485	-0.0485	-0.5035	0.9695	-0.0465	-0.3445	1.0015	-0.5555	-0.7105	-0.3445	-0.4015	-0.2405	0.7855	-0.0865
CNOT2	686501	0.42	-0.043	0.301	0.636	0.446	1.072	0.35	0.756	0.026	0.556	-0.304	-0.281	0.389	0.49	-0.378	0.462	-0.126	-0.391	-0.12	-0.698	0.068	-0.086	-0.338	-0.158	-0.02	0.025	-0.339	-0.169
CNOT7	687730	3.441	0.476	2.882	2.967	0.208	3.282	4	2.737	2.296	1.069	2.595	2.394	5.416	3.324	3.257	1.851	1.343	1.934	1.583	3.178	2.903	2.864	1.704	-1.405	-2.269	-1.917	1.734	-1.555
CNP	684683	-0.3325	-0.8595	-0.6025	-0.2885	-0.2405	-0.4685	-0.8385	-0.2675	-0.3205	0.3945	-0.7025	-0.5755	0.0285	0.0745	-0.8785	-0.5975	-0.7295	-0.2135	-0.6465	0.2265	-0.0015	0.1135	-0.0555	0.0425	0.0585	-0.4565	-0.7025	0.0575
CNTNAP2	687882	-0.109	0.137	0.307	0.739	-0.118	-0.081	-0.365	0.061	0.185	0.342	0.059	-0.166	0.343	0.102	0.35	0.178	-0.08	0.074	0.045	-0.264	-0.175	0.174	1.69	0.313	0.101	0.075	0.191	-0.013
COASY	694546	-1.3905	0.4265	-1.6775	-0.0785	-2.2585	-0.8795	0.3285	0.5095	-0.9625	-2.1305	-0.0005	-0.5485	-0.5625	-0.6665	-0.7045	0.0005	-1.1735	0.1625	-1.2015	-0.2505	0.4695	0.4595	-0.4135	1.3315	1.4065	2.3475	0.3325	0.3795
COL11A2	696658	-0.858	-0.671	-0.401	-0.046	-0.094	0.196	-0.578	0.352	0.349	-1.366	-0.085	-0.274	-1.298	-1.712	-0.427	0.027	-1.052	1.577	-1.026	-0.982	-0.291	-0.002	-1.253	-0.584	-0.457	-1.064	0.482	-1.229
COL27A1	690790	-0.393	-0.227	1.204	1.548	0.524	0.041	-1.195	-0.411	-0.062	-0.203	0.225	1.777	0.066	-0.517	0.363	0.363	0.122	0.253	-0.504	-0.392	-0.266	0.422	-0.525	0.35	0.312	0.056	-0.39	-0.204
COL4A5	695636	0.5015	-0.9715	-1.9415	1.0515	0.2785	-1.1695	1.2815	-0.0375	-0.7135	1.0325	0.1085	0.7725	0.7465	0.3815	-0.4055	0.6265	0.0655	-1.5615	0.4355	-1.1625	-0.7525	-0.1555	-1.0435	1.0545	1.3775	0.5335	1.4965	0.9915
COL9A1	688215	-0.2	0.542	0.061	-0.403	-0.748	-0.714	-0.643	0.486	0.168	-0.465	0.702	0.475	-0.031	-0.655	0.029	-0.159	0.2	1.377	0.192	-0.779	-0.341	-0.368	-0.191	-1.174	-0.769	-1.252	-1.256	-0.769
COL9A3	694474	-0.208	0.811	-0.492	-0.213	0.023	0.261	-0.388	0.637	-0.141	0.465	1.207	1.505	0.658	0.25	-0.638	0.039	0.44	-0.526	0.166	0.085	0.61	-0.023	0.638	-0.038	0.845	0.671	0.117	0.298
COMMD1(	685920	-0.3545	0.1925	0.6675	1.1275	0.3645	-0.4015	-0.0665	0.3255	0.2395	-0.1755	0.2435	0.2425	0.0445	0.0055	-0.0095	-0.0635	-0.2495	-0.0935	0.2965	-0.3025	-0.0385	0.4575	0.1505	0.1465	0.0635	0.2215	0.3485	0.0495
COMMD5	683292	-0.3275	-0.2915	0.8305	0.8505	-0.5055	-0.4855	0.9675	0.7275	0.4305	-0.8275	0.0355	-0.0705	0.9835	-0.1655	0.1405	0.4045	-0.1645	0.2855	-0.1485	0.1675	0.1795	1.6875	0.1825	-0.1915	-0.2125	-0.0965	-0.3305	-0.6005
COPS7B	686043	0.04	-0.276	0.692	0.554	0.278	-0.085	0.402	-0.462	-0.36	0.168	0.217	-0.178	0.144	-0.028	0.19	0.179	0.082	0.431	0.774	-0.103	-0.231	0.285	0.058	0.106	-0.315	0.108	-0.327	1.539
CORO6	691905	0.1185	-0.3305	0.6705	0.4255	-0.2515	0.3125	0.2705	-0.2905	0.4105	1.0615	0.0005	0.6425	-0.4495	0.4555	-0.4525	-0.2605	-0.0275	-0.2995	-0.5265	0.2155	-0.4165	-0.6895	0.1085	0.0255	0.0595	-0.1635	0.0575	-0.4315
CORT	688126	0.008	-0.106	-0.118	-0.755	-0.592	-0.468	-0.489	0.014	0.247	0.809	0.641	0.247	0.309	-0.214	0.997	0.025	0.416	0.21	0.04	0.449	-0.358	-0.201	-0.239	-0.426	-0.262	-0.619	0.008	1.178
COX17	696533	0.111	-0.132	0.043	-0.006	-0.428	-0.464	-0.565	0.036	0.305	0.86	0.687	0.455	0.527	-0.237	1.104	0.068	0.468	0.244	-0.006	0.468	-0.38	-0.198	-0.139	-0.483	-0.227	-0.4	-0.047	1.09
COX5A	690776	-0.327	-0.658	0.431	0.416	0.415	0.274	-0.084	0.214	-0.415	0.57	-0.211	0.07	-0.368	-0.341	-0.253	-0.509	0.18	-0.184	-0.657	-0.123	-0.569	-0.105	-0.46	-0.392	-0.395	-0.959	-0.548	0.226
COX5A	693143	-0.7105	-0.7875	-0.3155	-0.4775	-1.3315	0.3775	-0.3655	-0.9595	-0.8305	0.8685	0.1875	1.1625	0.5795	-0.7425	-0.1915	-0.7325	-0.4395	-0.7065	-1.2855	-1.1295	0.8365	-0.5355	-0.7655	-1.2795	0.0045	-0.0045	-1.2715	-0.4755
COX6A1	690854	0.3025	-0.3745	-0.6765	-0.7255	0.1835	-0.1935	0.6755	-0.5615	-0.4615	0.5035	0.2265	0.7125	0.2365	0.7445	0.3715	0.3205	-0.1635	0.2395	-0.3425	-0.1035	-0.5715	-0.3785	0.1445	-0.2785	0.0095	-1.2665	-0.2675	0.4335
COX6C	685569	3.5955	6.2025	-0.4325	1.6165	0.9995	-1.4075	-0.8555	-1.2165	-0.4025	-1.4125	5.4565	3.4315	3.2515	-0.0435	-0.8745	4.9935	3.9155	1.7165	0.6965	5.3795	1.7255	4.8815	4.0795	3.4905	1.3745	5.0655	0.9805	2.4685
COX7A2	697312	1.856	0.013	0.005	-0.343	-0.752	-0.21	0.99	-0.329	-0.841	-0.909	0.745	0.031	0.843	0.578	1.161	0.93	0.234	-0.898	-0.307	0.229	0.339	0.691	-0.646	0.391	-0.405	0.469	0.514	0.31
CP	683747	0.2815	-0.2295	1.3065	2.6975	-0.5115	-0.5115	-0.2745	-0.0685	1.6945	-0.4695	-0.1875	-0.5305	-0.1135	-0.6175	-0.6375	-0.4665	-0.7945	-0.2005	-0.3445	-0.4695	-0.3295	0.1295	-0.7175	-0.4675	-0.2535	-0.5145	-0.3985	-1.0505
CPAMD8	690973	-0.044	-0.466	-1.102	0.179	-0.242	-0.226	0.776	-0.468	0.791	0.224	-0.618	-0.43	-0.085	-0.414	-0.572	-0.685	-0.724	-0.136	0.169	-0.539	-0.069	-0.15	-0.423	-0.035	-0.034	-0.802	-0.831	-1.22
CPB1	697093	1.3635	0.3435	-0.3955	-0.0115	-0.2265	-1.2245	0.2905	-0.5005	-0.1415	0.6815	-0.4525	-0.1665	-1.2275	0.2405	0.0145	0.2525	0.3005	-0.4375	0.4655	0.0615	-0.5435	0.0435	-0.2965	-0.7175	-1.1755	-0.5925	-2.2235	-1.9745
CPEB3	683341	-0.167	-0.377	-0.385	0.344	0.481	1.121	0.231	0.069	0.132	-0.293	0.418	0.476	0.157	0.453	0.384	-0.318	0.422	0.612	-0.138	0.384	-0.219	-0.323	-0.065	0.328	0.543	0.138	0.926	0.346
CPEB4	681364	-0.406	-0.584	0.197	-0.671	-0.285	-0.803	-0.948	-0.374	-0.001	0.127	0.862	0.262	-0.679	-0.752	-0.617	-0.434	-0.763	-0.534	-0.32	1.269	-0.781	-0.033	-0.216	-0.018	2.417	1.634	1.337	-0.112
CPSF3	690199	0.9835	-0.3805	-0.4715	0.6385	0.1505	0.3805	1.7075	0.1605	1.3555	-0.2065	0.2255	0.6985	0.8535	0.0595	1.2405	0.6475	-0.2195	0.4665	0.9685	-1.2435	0.0825	0.6355	0.9275	-1.2905	-1.5895	-0.5325	-1.2765	-2.4455
CRABP1	694973	-1.015	-2.352	0.68	0.904	-0.103	-2.098	-2.9	0.071	0.736	0.331	0.429	-0.327	1.469	-1.706	0.98	0.121	-2.329	0.236	-1.788	0.242	-0.84	0.452	-0.417	-0.706	-0.997	-1.462	-3.239	-2.566
CREB3L4	690183	-0.399	0.158	1.173	0.368	0.054	-0.11	-0.489	0.466	0.961	0.102	0.899	1.707	-0.065	0.931	0.796	0.383	-0.429	-0.056	-0.503	1.021	-0.262	0.151	-0.131	0.681	0.02	1.642	-0.136	-0.349
CRIP1	686560	1.226	0.289	-0.397	-0.089	0.023	0.297	0.181	-0.148	-1.16	-0.021	-0.507	-0.242	-0.177	-0.202	-0.148	-0.667	0.786	-0.516	0.351	0.668	0.03	0.364	-0.574	-1.011	-0.612	-0.462	-1.215	-0.914
CRYBB2	683857	-0.495	0.213	0.59	-1.334	0.16	-1.489	-1.154	-0.66	-0.985	-0.954	-0.883	-1.201	-0.669	-1.033	-0.207	-0.429	0.95	-0.216	-0.207	-1.623	-1.055	0.965	-0.462	-0.364	-0.023	-0.414	-0.491	-0.652
CRYL1	692598	0.21	0.924	0.331	-1.097	1.399	-0.669	-1.152	0.385	-0.273	0.589	-0.048	-0.53	0.09	0.875	0.987	-0.266	0.15	-0.443	0.042	0.931	-0.113	0.374	1.302	1.058	1.494	1.495	1.844	1.216
CRYZ	683831	-0.2245	0.0745	-0.3665	0.1555	-0.1425	0.4045	0.4465	0.1755	0.3915	0.8845	1.0315	0.3265	0.9685	0.1065	0.7275	-0.0035	0.1355	0.4575	0.0805	-0.2995	-0.1225	0.0285	-0.2345	0.4535	-0.0345	-0.3725	1.1765	0.8435
CSDA	681102	-0.0625	0.0845	-0.3535	0.1515	-0.0665	-0.1895	-0.2195	-0.1385	-0.1745	-0.2165	-0.1725	0.3085	0.0765	0.4535	0.0585	-0.2185	-0.2495	0.5535	0.8985	1.4995	0.5625	-0.0925	-0.3965	0.2905	0.3255	0.2635	-0.0585	0.3195
CSE1L	693508	0.0855	-0.0495	0.7185	1.0055	-0.0925	-0.0365	-0.7195	0.4825	-0.0775	-0.9675	-0.7155	0.2215	-1.2475	-0.7495	0.7165	0.7435	-0.4755	-0.4285	0.1775	-0.0115	0.2525	-0.4455	0.0375	0.4345	2.0495	-0.8615	-0.9395	-0.1405
CSK	693320	0.1495	0.7065	0.2335	0.3885	-0.0745	-0.6325	-1.2625	1.6515	0.6255	-1.4435	0.5655	-0.4785	0.4805	-1.0815	-0.2795	1.7555	0.3575	-0.5455	0.2355	-0.0715	0.5545	-0.9625	-0.3325	-0.1025	0.5555	-0.3215	1.4965	-0.0385
CSRP1	681588	0.5135	0.9015	1.6915	-0.9585	1.4945	1.3655	-0.2075	1.2565	2.4505	1.5055	1.4265	1.3975	0.6335	1.3705	-0.1525	1.5395	1.2175	-0.3705	0.3285	3.5225	-0.0805	0.3335	1.0115	-1.1035	1.8375	-0.4085	0.4815	-0.7365
CSRP2	691158	0.879	0.58	-0.547	-0.221	-0.07	0.118	1.948	-0.228	-0.391	0.978	0.375	0.011	0.675	2.248	-0.432	0.725	1.837	0.696	0.236	1.504	-0.511	0.222	0.885	1.21	0.948	1.313	1.311	0.666
CST6	688329	-0.4725	1.1435	0.5325	0.5195	0.2805	0.2785	0.1635	0.1325	-0.7165	5.7045	-0.5005	1.0815	-0.2615	1.2385	0.2935	0.8085	0.4195	-0.2675	0.4125	-0.8425	-0.8185	-0.6565	-0.1115	0.6935	2.3765	2.8145	0.4495	2.4665
CSTB	688630	0.008	-0.038	-0.054	0.28	0.579	0.076	0.448	0.001	0.397	-0.852	0.145	-0.093	0.303	-1.427	-0.35	-0.468	-0.971	-0.14	-0.451	-0.434	-0.079	0.473	0.257	-0.081	0.2	-0.493	0.092	0.254
CTAG1B	685110	-0.4885	0.1735	0.7645	-0.6545	0.8185	0.1285	0.7315	0.6395	0.1845	-0.3955	-0.0205	-1.2015	0.7485	0.0605	0.6815	0.3555	0.3525	1.3095	-0.3145	-0.4555	-0.4755	0.0685	0.2425	0.0655	0.3485	-0.6465	-0.7955	-0.5745
CTBP2	690880	0.392	0.034	0.427	-0.517	0.117	0.019	0.158	0.016	-0.576	-1.84	-0.071	-0.648	0.018	-0.627	-0.659	-0.529	-0.974	1.201	-0.687	-1.452	-0.301	-0.897	-0.709	-1.28	-0.682	-1.127	-2.166	-1.46
CTNNA1	682257	0.17	-0.596	0.314	1.14	-0.227	-0.843	-0.235	-0.048	0.604	-1.168	-0.302	0.192	-0.816	-0.545	-0.374	0.132	0.068	-0.115	1.034	-0.205	-0.107	0.216	-0.236	-0.829	0.456	0.685	-0.769	1.069
CTNNAL1	683652	0.3915	0.6545	0.5585	-0.0315	0.6465	0.9995	0.4025	0.2635	0.2625	1.0665	0.4515	0.1445	0.3375	-0.1855	0.6425	0.5805	0.2615	-0.4935	-0.1875	0.2235	0.1755	0.5625	0.0005	0.9715	1.2865	0.4365	1.2785	1.2075
CTNND2	692813	0.228	-0.072	1.124	-1.08	0.159	0.177	-0.165	-0.124	0.273	0.895	-0.023	0.004	0.928	1.058	-0.565	-0.195	1.028	0.498	-0.124	1.738	-0.478	-0.532	0.09	0.122	1.683	-0.355	1.076	2.281
CTPS	688832	-0.003	0.314	0.202	-2.189	-0.325	0.066	-0.219	0.464	-0.958	1.028	0.143	0.757	-0.591	1.304	-0.354	-0.347	0.318	1.403	2.268	1.985	0.7	-0.601	-0.219	-0.427	-0.141	0.001	-1.324	-0.809
CTSL2	696809	-0.1905	0.6305	0.2365	0.7625	0.4065	0.7125	-0.5995	-0.0255	1.1185	-0.5935	0.6605	1.3635	-0.0055	0.1185	0.1395	0.3635	0.7965	0.4205	0.0455	0.6955	-0.8325	-0.1515	1.2255	0.6165	-0.2775	-0.3775	0.2005	0.1575
CTSS	688045	1.91	1.337	4.048	-0.722	-1	-1.81	-0.61	-0.73	-1.2	-0.45	1.57	0.749	-1.93	-2.08	0.99	0.99	-1	1.92	-1.01	2.33	1.14	0.281	-2.29	0.01	1.65	1.639	1.438	1.588
CTTN	690610	-0.2625	0.9685	-1.5365	-1.4365	-1.3185	1.5635	1.5915	-1.1225	-0.7825	2.4675	0.7195	-0.1335	0.9275	-0.5795	-0.1595	-0.7105	0.0585	1.6945	2.1175	3.0205	3.2275	0.9995	-0.5735	1.2055	-0.0445	0.6295	-1.8815	-0.6155
CX3CL1	762475	0.4075	-0.1855	-0.1545	0.3415	1.1925	0.6255	0.6465	-0.4855	0.6405	0.2895	0.3565	0.0395	-0.6305	0.5675	-0.3105	-0.3315	-0.3365	0.3295	0.0175	0.7275	-0.5925	-0.5085	-0.2105	-0.8965	-0.3745	-0.4635	0.7245	-0.7435
CXCL9	694763	0.0145	-1.2435	-0.5195	1.9915	1.3475	1.7325	-0.2595	0.2205	0.5755	-0.6915	-0.7025	-0.1605	0.2635	-1.7955	0.5045	0.6655	-2.5645	1.7675	-0.9175	-0.9815	-0.7585	0.5115	-0.2045	-1.0575	-0.0585	1.4495	-0.2635	1.0025
CXorf39	682198	1.241	0.217	0.116	-0.768	1.349	-0.911	-0.225	0.018	-0.199	2.018	1.049	0.407	0.112	0.567	-0.72	0.003	0.491	0.08	-0.548	-0.314	0.576	0.941	1.436	-1.328	-1.216	-2.039	-1.42	0.29
CXXC4	684240	1.371	-0.018	-0.267	0.343	0.288	2.047	0.281	0.016	-0.208	1.63	-0.081	-0.3	0.76	0.887	0.435	0.118	1.769	0.343	2.469	1.737	-0.247	0.654	1.088	-0.019	-0.857	-0.269	-0.531	-0.332

Table 18.

Sample		9830-0100	BC00030-I	030222-Mé	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-Mé	BC00036T	BR01-012:	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108:	UB49	BC00070	UB-116	PB377	BR97-013:	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
CYB5	690446 || C	0.1995	0.6615	-0.6215	0.3385	-0.5625	0.0025	-0.1965	0.8995	-0.5915	1.5615	1.6705	2.0105	1.3255	0.2775	-0.4565	0.0785	0.3155	-0.5505	0.1635	-0.6405	-0.0385	0.0665	0.3835	-0.0025	0.9155	0.9205	0.4825	0.7905
CYB561	683687 || C	-0.088	0.627	-0.96	0.845	-0.9	-0.017	-1.163	0.427	-0.83	0.08	0.266	1.345	1.068	0.55	-0.722	-0.189	-0.344	-1.383	0.298	-0.456	1.065	0.845	-0.414	0.289	0.914	1.508	-0.39	-0.212
CYC1	683057 || C	-0.06	-0.144	0.469	0.165	-0.207	0.007	0.118	-0.005	-0.141	-0.027	0.093	0.228	0.315	-0.07	0.107	0.204	0.062	-0.029	0.046	0.341	-0.18	0.216	0.141	0.18	0.119	0.06	0.052	-0.258
CYHR1	697209 || C	1.3475	3.7785	0.4365	0.3355	2.5955	-1.0835	2.9685	-1.3115	-1.3535	-1.2585	1.5785	0.4745	-0.9185	-1.1265	-0.7625	2.9915	1.4355	2.0665	-0.5665	0.6305	-0.5095	-0.0925	-0.8055	-1.0945	-0.7725	-0.4645	-0.6245	-1.0875
CYP2A13	689236 || C	0.166	-0.067	0.66	0.065	0.211	-0.307	-0.113	0.183	-0.473	0.94	0.211	-0.051	-0.038	-0.16	0.474	0.285	-0.471	-0.19	0.051	0.232	0.384	-0.176	-0.539	0.519	1.011	0.742	0.125	1.142
CYP4X1	681940 || C	-0.8385	-1.6235	-0.9715	-0.2275	-1.2475	0.3725	-2.3075	0.0595	0.3955	-1.9985	-0.7035	-0.3515	-2.1085	-1.9245	-1.3735	-1.7525	-1.7265	-1.7675	-2.6395	-2.5195	0.4925	-1.8735	-1.5975	-1.9895	-2.1265	-1.9835	-1.0535	-0.3605
D15Wsu75	684616 || C	-0.6585	-0.8495	-0.5905	0.0125	-0.9725	0.0995	-1.1005	-0.1665	0.0285	-0.9465	-0.6985	-0.3345	-0.9705	-0.9895	-0.8325	-0.8575	-1.0705	-1.0825	-1.1205	-0.9605	0.5255	-1.0485	-0.9045	-0.8325	-0.6245	-1.0215	-0.5515	0.2495
DACH1	692996 || C	-0.22	-1.529	-0.825	-0.171	-1.798	0.721	-2.258	0.24	0.128	-1.562	-0.768	-0.097	-2.042	-2.03	-1.797	-2.048	-1.991	-2.02	-2.476	-2.209	1.095	-1.559	-1.582	-2.605	-1.618	-2.155	-0.971	-0.135
DACH1	694269 || C	-0.458	-0.311	-0.136	-0.43	-0.311	0.228	0.619	-0.268	-0.013	-0.698	0.124	-0.106	0.12	-0.211	0.609	-0.07	0.118	-0.183	0.393	0.115	0.281	0.362	0.269	0.516	0.184	0.829	0.212	0.028
DACH1	697247 || C	-0.124	-0.56	0.493	-0.912	0.27	-0.418	-0.157	-0.134	0.085	0.349	-0.094	-0.239	-0.106	-0.268	0.112	0.399	0.763	0.947	1.526	0.464	0.479	0.132	0.357	0.563	0.374	0.449	-0.092	-0.249
DAP3	689542 || C	-0.5145	-0.2455	0.6405	0.0145	-0.0865	-0.3775	-0.4455	0.1655	-0.2445	-0.8285	-0.2285	-0.2185	-0.8585	-0.8155	-0.9195	-0.2525	-0.0015	-0.0035	0.1435	-0.5695	0.0345	-0.3845	-0.2065	-1.1035	-0.5295	-0.6505	-1.3425	-0.7805
DAPP1	681676 || C	1.057	-0.308	-0.456	1.397	1.047	0.048	2.174	-0.682	-0.251	2.06	1.022	1.029	1.15	2.749	-0.056	0.787	1.815	0.145	0.506	0.342	-0.308	0.083	0.545	1.089	1.061	-0.17	-1.534	-1.15
DAZAP2	686305 || C	1.595	0.763	0.487	0.244	0.558	1.858	0.117	0.785	0.41	-0.502	0.012	-0.263	0.277	-0.536	0.399	0.788	0.41	0.062	1.722	-0.546	0.579	-0.107	0.113	0.569	0.846	-0.01	0.741	0.411
DBI	687444 || C	0.5735	0.1525	0.7255	-0.9655	0.4035	0.3515	0.0485	0.2435	-0.5235	0.3055	0.3435	0.1575	0.1075	0.1055	0.8345	0.4085	0.2785	0.7665	0.1665	0.4265	-0.2095	0.0105	-0.3225	0.6285	0.3335	-0.1435	0.5935	0.7455
DBN1	685238 || C	-0.343	0.067	-0.807	-0.639	-0.592	0.312	-0.092	-0.258	-0.312	0.692	0.555	0.708	0.593	-0.058	-0.678	0.119	0.252	-0.436	0.516	0.338	0.391	-0.175	-0.431	0.772	1.688	0.842	0.477	1.117
DC13	693725 || C	-0.2175	0.2775	-0.9715	-0.1065	-0.1555	0.6075	0.7455	0.1655	0.2065	0.2505	0.7375	1.1155	-1.0705	0.0885	0.3245	-0.0065	-0.2875	0.5195	0.1125	0.1065	1.1795	0.0035	0.7995	0.3665	0.2675	-0.4235	0.5535	0.0085
DCPS	683883 || C	-0.3585	0.7205	-1.3255	0.4215	0.7855	-0.4745	-0.5485	1.4485	0.5485	0.6165	0.3325	-0.0015	0.7615	-0.0705	0.1905	0.7475	0.0905	-0.2455	-0.2575	-0.4735	-0.0775	-0.3985	-0.3655	1.0645	-0.0435	-0.4085	-0.4565	-0.4065
DDHD2	683946 || C	-0.4655	-0.2345	-0.2455	-0.1475	0.5945	0.3235	0.0035	0.1345	0.2635	0.6555	0.6745	0.4135	0.6615	0.8105	0.1635	-0.2985	0.6845	-0.1415	-0.0135	0.3005	0.1995	-0.2695	0.6525	0.2965	0.0065	0.4885	0.2125	2.8425
DDX17	694961 || C	-0.9225	-0.0105	0.0915	-0.7445	0.5895	0.8605	0.2905	0.0395	-1.2385	0.0595	-0.0725	-0.7215	1.5125	0.5305	0.2005	0.0425	0.5465	0.5375	0.2935	-0.4105	-0.0175	0.6245	0.9395	-0.2035	-0.3625	-0.6755	-0.1995	-0.1935
DDX39	681363 || C	-1.358	-0.375	1.149	0.453	-1.382	-1.253	-0.037	0.784	2.001	-1.473	1.202	1.764	0.415	0.115	0.279	0.55	-0.027	-0.843	0.221	-1.337	0.103	-0.644	-0.759	0.093	0.085	0.006	0.624	0.308
DDX48	696965 || C	-0.2255	-0.4285	-0.5175	0.2765	-1.6635	-0.6825	0.0985	-0.0715	-0.4245	0.3765	-0.6555	-0.4285	-0.2655	0.7965	-0.6485	-0.5775	-0.8545	-0.0355	0.5955	0.6965	1.9405	0.3945	0.3185	1.0915	1.1435	0.5205	-1.2085	0.1005
DDX58	691620 || C	-0.3355	0.2455	0.2765	-1.8015	-0.4455	-0.5945	-0.5435	0.0875	-0.2495	0.0995	0.2755	-0.9305	-0.1245	-0.6495	-0.1685	0.0715	-0.0155	0.8765	0.0155	-0.6605	-0.1305	-0.4435	0.1165	1.0005	0.3815	-0.2505	-0.0485	0.5465
DEF8	682749 || C	0.653	0.605	0.255	0.893	0.815	-0.493	0.598	-0.094	1.676	0.948	0.907	0.649	0.501	2.921	0.38	0.846	0.673	0.585	0.693	2.08	-0.277	0.502	-0.43	0.761	1.798	0.566	1.583	0.321
DEK	688515 || C	-0.64	0.563	-0.441	0.563	0.279	-0.288	-0.942	0.984	1.046	-0.294	-0.538	-0.476	-0.974	-0.714	-0.221	-0.533	0.811	0.173	0.379	0.365	-0.657	-1.021	-0.353	-0.804	-0.65	-1.269	-1.204	-0.243
DHCR7	694109 || C	1.791	1.326	-0.778	1.752	1.797	-0.533	1.916	-0.042	0.451	0.443	2.121	1.293	1.228	0.854	1.202	0.946	2.077	-0.459	0.452	1.147	0.33	0.101	0.215	2.027	0.804	0.647	1.529	-0.145
DHRS7	682438 || C	-0.5335	-0.8465	-0.2215	-0.0185	-1.3305	-1.3355	-0.2235	-1.3765	0.2575	0.6575	-0.1685	-0.4935	-0.1495	-0.0295	0.1215	0.4575	0.2815	0.1335	-1.1255	0.1595	0.7325	0.5835	-1.0665	0.8935	-0.2595	-1.1085	0.1705	1.0205
DHX57	686263 || E	3.8465	-1.7435	-0.9675	2.8735	2.7995	-0.0875	3.5935	0.9625	0.5315	3.4515	-0.8985	0.3795	4.8185	3.4675	1.0235	0.5875	1.1405	-1.3415	3.1205	-0.3165	0.9485	1.0285	0.1055	-1.0385	-1.2095	-0.7685	-1.4805	-2.0885
DIRC1	691337 || E	0.011	0.251	0.259	-0.09	1.304	0.414	-0.876	-0.578	-0.218	-0.232	0.131	0.291	0.069	0.134	0.482	0.572	-0.264	0.206	-0.351	0.382	-0.072	0.284	0.16	0.82	-0.379	-0.137	0.532	0.962
dJ222E13	689427 || c	0.605	-0.791	0.393	0.12	0.572	-0.193	-0.321	-0.116	-1.015	-0.012	-0.288	-0.599	-1.239	-0.279	-0.46	0.795	-0.057	-0.259	0.098	0.614	0.759	-0.37	-0.12	0.199	1.055	2.277	2.418	2.325
DKFZp434	689930 || C	0.88	0.446	0.234	1.331	0.768	0.736	1.765	0.612	0.537	0.8	0.391	0.926	1.319	0.781	0.876	0.819	0.33	-0.152	1.319	1.68	-0.068	-0.246	0.808	0.447	1.466	0.037	0.314	1.469
DKFZp434	689808 || C	-0.3465	0.3175	0.0565	0.4375	-0.4525	1.0225	1.2755	0.0885	0.2525	0.7345	0.6965	0.8045	1.5765	0.4685	0.3855	0.2305	0.2685	0.1985	-0.3075	0.0285	0.6685	0.0915	0.7115	0.7805	0.8545	0.2115	1.5875	1.2805
DKFZP434	681071 || C	-0.279	0.015	0.85	-0.05	-0.922	-0.203	0.143	-0.016	-0.36	-0.292	-0.518	0.161	-1.376	-0.328	-0.578	-0.108	-0.02	-0.5	0.324	0.085	-0.339	-0.003	-0.606	-0.43	-0.32	-0.228	-0.361	-1.243
DKFZp434	683495 || C	-0.2915	-0.5685	0.1035	0.3495	0.3885	-0.1035	-0.4365	0.1905	0.3505	-0.5215	-0.1365	0.3455	-0.6065	0.1755	-0.4415	-0.0315	0.0835	0.0025	0.1405	-0.3585	0.2545	0.2485	-0.2555	-0.7715	-0.5985	-0.3005	-0.6855	-0.9155
DKFZP564	684976 || C	0.0385	0.4505	-0.4015	0.7885	1.2535	-0.0875	0.0625	0.0415	-0.1355	0.7835	-0.2265	0.3735	0.2715	-0.4835	-0.2215	-0.0835	-0.5225	-0.7045	-0.0915	-0.1925	-0.0725	0.9605	0.3995	-0.0665	0.6605	-0.2445	0.1445	0.2825
DKFZp564	697724 || C	-0.442	0.518	0.994	-0.763	-0.029	1.027	-0.089	0.875	-0.746	2.398	1.239	0.779	0.907	-1.37	0.668	-0.007	0.489	-0.105	-0.089	-0.327	-0.103	0.26	-0.451	0.017	1.121	0.824	0.142	-0.542
DKFZP564	683668 || C	-0.0815	-0.0235	0.4605	-0.0105	-0.5305	0.2485	0.4375	-0.3415	-0.2495	-0.0095	-0.5785	-0.5345	-0.2075	-1.3195	-0.6705	-0.0575	1.2495	0.3085	0.1935	-0.1735	-0.0025	-1.1545	-0.4945	-0.9045	-0.5675	-0.7055	-0.7945	0.9055
DKFZP564	688875 || C	-0.196	0.014	-0.374	0.317	-0.292	-0.15	-0.471	-0.029	0.346	0.605	0.729	0.624	0.224	-0.124	0.654	0.468	0.486	1.209	0.256	-0.771	-0.466	-0.149	-0.335	0.035	-0.392	-0.539	-0.208	0.044
DKFZP564	682674 || C	-1.13	-1.071	-0.176	-0.813	0.665	-0.163	0.514	-0.68	-1.002	-0.819	-0.536	-1.874	-0.021	-0.204	-0.012	-0.278	-0.936	0.44	0.48	0.038	0.148	-0.158	-0.494	0.458	-0.909	0.092	0.51	-0.184
DKFZp586	695204 || C	0.4465	-0.1975	0.6115	4.5745	1.2495	0.0395	2.3505	-0.4195	-0.6035	-0.1195	0.1565	1.0855	0.4535	0.5995	-0.3075	0.5065	0.1955	-0.4055	-0.2285	-2.1615	-0.2125	5.5645	0.2445	0.2585	-0.9105	1.0145	-0.2015	0.3765
DKFZp761	681665 || C	-0.281	-0.029	0.722	0.338	-0.091	-0.091	-0.415	0.123	-0.23	-0.093	0.099	-0.115	0.149	0.05	0.049	0.024	-0.142	-0.087	-0.192	0.043	0.143	0.021	0.195	0.302	0.306	0.818	-0.045	-0.027
DLK1	685295 || E	0.571	0.56	-0.163	0.352	0.017	-0.107	1.008	0.504	0.721	1.243	0.131	0.402	0.902	0.335	0.59	0.785	0.069	0.626	0.078	-0.37	0.629	-0.002	-0.618	-1.074	-1.23	0.002	-1.723	-0.197
DLX5	682457 || E	0.1075	-0.0675	-0.0085	0.9675	1.1675	0.5025	1.2825	1.2505	0.4495	1.3665	-0.1605	0.1805	1.1015	-0.1625	0.2465	-0.3965	-0.8785	0.3555	-0.1085	1.3875	-0.3855	0.2975	0.0315	-0.5405	0.2145	-0.0675	-0.1515	0.3575
DNAJA4	681226 || C	-0.6685	-1.7405	-1.8585	-0.1515	0.0165	-1.7565	-2.3355	-0.9655	1.0675	-3.1535	1.2805	0.4075	-1.5585	-2.3685	-2.2005	-1.1945	-2.2525	-1.8005	-3.0405	-2.7835	-2.2175	-1.9785	-1.6455	-2.1615	-1.1935	-2.8855	-0.0165	-1.7045
DNAJC1	692749 || C	0.295	0.468	-1.195	0.18	2.458	0.826	-0.311	0.525	-1.197	1.322	1.205	0.732	1.438	-0.291	1.3	-0.894	1.639	0.758	0.171	1.285	-0.002	-0.233	-0.204	0.06	-1.424	0.227	-0.194	0.926
DNAJC12	696427 || C	-1.516	-1.728	0.258	-0.927	-3.152	0.661	-1.705	-0.835	-1.722	-2.681	1.198	0.623	-2.858	-2.929	-2.408	-0.086	-2.584	-0.3	-2.576	-1.247	-0.182	0.04	0.717	-2.926	0.417	-2.879	1.399	-1.481
DNAJD1	690353 || C	-0.578	-0.62	-0.565	-0.618	0.031	0.18	0.694	-0.399	-0.003	-0.11	0.095	-0.45	0.073	0.885	-0.014	-0.081	0.162	0.231	-0.171	0.04	0.468	0.595	0.187	0.402	-0.127	-0.125	-0.076	1.913
DNALI1	695070 || E	1.764	-0.01	-0.007	-0.598	0.171	0.031	0.598	0.438	0.474	0.548	-0.066	-0.656	-0.506	-0.232	1.074	0.754	-0.305	0.816	0.646	-0.593	-0.056	0.223	2.147	0.122	1.317	-0.424	-0.145	0.235
DNMT1	681126 || C	0.6215	0.5395	0.5915	0.5745	-1.3745	-1.1245	-0.4845	0.1135	-0.2665	1.9935	-0.0205	-0.2455	-0.2735	-0.5325	-0.7275	0.4065	0.1755	-0.2415	0.4655	0.5825	0.6965	0.2115	-0.5815	-0.0495	0.9455	0.6065	-1.1025	-0.0715
DQX1	697175 || C	-0.1585	0.0745	0.4045	1.2115	-1.0995	0.4265	0.2765	-0.3635	-0.6895	0.8735	0.1785	0.1105	-0.5945	-0.0855	-0.0735	-0.3425	0.1055	-0.0455	0.3345	-0.0005	0.4605	0.0685	0.3845	0.0285	-0.3955	-0.1805	-0.0815	0.2715
DSCR1	690387 || C	-0.2585	-0.1145	0.4065	-0.9095	0.8415	-0.1485	-0.6625	-0.3085	-0.2005	0.0275	0.0995	-1.2625	-0.7465	-2.8665	-0.1525	-0.0235	1.3595	-0.1585	-0.5565	-0.1815	0.3955	0.0235	0.4005	1.1685	2.5665	-0.2535	1.5845	2.7575
DSCR1L2	685798 || C	-0.0075	-0.1355	-0.2255	-0.2935	0.0835	0.2415	0.9645	-0.2305	-0.1095	0.6995	0.4905	0.5725	0.4225	0.1685	0.1165	0.0675	0.3255	-0.0885	-0.0715	-0.3025	0.0215	-0.1445	0.5965	0.3155	0.3215	-0.3635	0.5935	0.6605
DSP	695661 || E	0.8735	0.3675	-0.0175	-0.4305	-1.3225	0.0755	0.8295	-0.5765	-0.1305	-0.2585	-0.3165	0.2475	-0.6465	-0.1525	0.0335	-0.0395	-0.1135	-1.5015	-0.6065	0.5935	0.1945	-0.0225	0.7725	-0.0825	0.6135	0.4935	-0.3795	0.6345
DTYMK	692933 || E	-0.1125	-0.3925	0.9095	1.3925	0.6085	0.8845	1.7295	0.8465	1.9005	0.7785	-0.1565	1.0135	0.8825	-0.1595	0.6635	0.1725	-0.4105	0.6445	1.1905	0.0025	0.4955	-0.2105	-0.7945	-0.3185	-0.4755	-0.3985	0.0625	-0.2835
DUSP23	691997 || C	1.9165	0.4485	0.3775	1.7455	2.3335	0.6285	1.3855	0.8345	0.2835	-0.9865	-0.7605	0.3785	-0.4345	2.6585	0.5335	1.2485	-0.0415	-0.3425	0.5655	0.3635	0.1065	-0.7795	-1.8665	-1.7595	0.5365	-0.6335	0.2595	-1.3285
DUSP4	693976 || C	0.3635	0.9045	1.0155	0.2105	0.5425	-0.1685	0.5905	-0.5665	-0.4135	0.4285	0.2085	0.0375	0.2115	-0.0825	-0.7375	-0.4095	-0.5075	-0.8355	-0.1985	-0.0835	-0.0775	0.5475	0.2415	-0.0875	0.6875	0.9645	-0.0885	0.0385
DUSP6	693200 || C	-0.442	0.111	0.273	0.01	0.183	0.152	-0.053	-0.001	0.209	0.296	-0.018	0.374	0.194	0.168	0.098	0.04	-0.064	0.89	0.051	0.439	-0.082	0.237	-0.156	-0.017	-0.037	-0.047	0.117	-0.009
DVL1	682613 || C	0.125	-0.565	-0.159	0.898	-0.189	0.401	-0.706	0.366	0.123	-0.03	-0.262	0.523	-1.229	-0.771	-0.246	-0.743	-1.172	-0.577	0.372	0.183	0.178	0.36	1.111	-0.154	2.04	-0.7	0.308	1.064
DXYS155E	694208 || C	-0.273	0.729	1.463	-0.318	-0.156	0.724	0.018	-0.232	-0.549	0.795	1.242	0.846	1.199	-0.184	0.192	0.859	0.386	0.488	-0.018	-0.398	0.025	0.021	-0.109	0.513	0.497	0.595	0.223	0.772
DYRK4	697043 || E	1.3125	-0.4335	-0.8525	1.6315	1.4595	1.6605	1.2925	-0.0025	0.5675	1.0185	0.3585	-0.6595	1.3755	1.1615	-0.6705	-0.4635	-0.1665	0.6575	1.6535	0.3315	0.2775	0.3935	-0.4155	-0.4425	-0.2355	-0.3355	-0.5785	-0.4405
e(y)2	695983 || e	-0.119	-0.344	1.755	0.585	-0.292	2.709	-0.232	0.213	0.137	0.008	-0.495	-0.128	1.705	2.868	1.46	-0.353	0.698	0.258	0.099	-0.011	0.189	0.053	0.039	-0.224	0.207	-0.234	-0.218	0.225
EAF2	690585 || E	0.2235	1.3685	-0.5685	-0.6415	-1.7505	-0.6265	-1.5615	-0.5945	-1.5435	-0.0155	-0.5005	-1.8675	-0.8255	-1.5965	-1.7795	-0.0085	0.9975	-0.7135	-0.2615	-0.7965	-0.2635	-1.0715	0.1995	-0.7565	-0.7195	-1.2415	-0.1255	1.9245
EAP30	695304 || E	0.1695	-0.5715	-2.6135	-0.6145	-0.8135	-1.4415	0.4245	-1.5335	-1.4535	1.0095	-0.4155	0.5405	0.6125	0.0425	-0.9325	-0.5725	0.4025	-1.7735	-0.7045	1.0085	0.1785	0.7645	1.6535	-0.4825	0.4985	-0.8965	0.2925	2.8675
ECHDC1	695068 || E	0.5455	0.6295	0.1265	-0.3375	-0.2745	-0.1805	1.2225	0.5995	0.5555	-1.7095	-0.0565	0.7335	0.0425	-0.6275	-0.5065	-0.4685	0.7535	0.8385	0.9955	-0.8785	-0.2485	-0.0295	-0.1645	-0.4865	-0.8005	-0.8605	-0.5535	-1.3715
ECHDC3	693484 || E	-0.2565	-0.1685	-0.7125	0.8405	-0.2825	0.9365	-0.6435	-0.3405	-0.1385	-1.1185	-0.8395	-0.5095	-1.1305	-0.2255	-0.5065	-0.7685	-1.2055	-0.1115	-0.8285	1.3245	-0.0615	-0.0265	0.1225	-1.1885	0.0135	-0.9525	-0.9375	-0.6235
EEF1A2	696775 || E	0.511	0.529	-0.778	0.47	1.52	1.208	1.83	-0.041	-0.082	-1.257	-0.187	0.254	0.426	0.125	0.034	0.485	0.201	-0.123	0.312	0.706	-0.103	0.128	-0.036	0.549	0.509	0.676	1.096	0.516
EFHC1	694066 || E	0.3145	0.4175	-0.5015	-0.1145	0.6585	-0.3265	0.2665	0.0115	0.8605	0.2595	0.0655	-0.0765	-0.4355	-1.1775	-1.7375	0.1535	0.4495	0.1115	-0.6995	0.4155	-0.9485	-0.2025	0.2035	0.3135	-0.0005	-0.1955	0.0255	0.2135
EFNA4	687429 || E	-0.1465	0.9485	-0.0215	0.0355	0.7235	0.9525	-0.3525	0.5855	0.0055	0.7075	1.2805	1.4145	1.1835	-0.2915	-0.3945	0.2245	0.0225	-0.2915	0.4075	0.0555	0.4335	0.3535	0.4155	-0.3185	1.0285	0.9695	1.0285	0.6905
EFS	685583 || E	0.0155	0.6305	0.1325	-0.2785	-0.4015	-0.5845	-0.2345	-0.1915	0.0085	-0.5095	-0.7755	-0.8295	-0.0765	-0.1175	-0.6355	-0.3625	-0.2905	-0.0805	0.0255	-0.0545	-0.2915	-0.0995	-0.1435	-0.1935	0.5805	-0.0765	0.0325	0.0215
EIF2C2	696794 || E	-0.6555	0.0315	0.8085	1.2985	0.2105	0.1285	0.2055	0.0295	0.7115	1.8005	1.3045	1.1015	0.2775	0.5125	0.4115	0.7815	0.6045	-0.2245	0.2505	0.3305	1.0995	0.0635	1.1485	1.1735	0.0825	0.2035	1.3205	0.3845
EIF2C4	689728 || E	0.629	0.462	0.497	0.422	0.271	0.636	1.253	0.104	0.249	0.221	-0.014	0.288	-0.053	0.533	-0.497	0.313	0.189	-0.141	0.292	0.642	0.718	-0.099	0.142	0.612	0.461	0.898	1.002	-0.153
EIF4EBP1	683217 || E	0.5725	0.3475	0.0135	0.0575	-0.6345	0.1965	0.4235	-0.1845	-0.1645	-0.3275	0.2635	-0.1195	0.4235	-0.0395	0.0675	0.5495	-0.1275	0.1225	-0.0665	0.2585	0.4265	0.0975	-0.7935	-0.4225	0.0885	0.2585	-0.3825	-0.1725
EIF4G1	692045 || E	-0.047	0.237	-0.85	-0.503	-1.345	0.045	-0.444	-0.193	-0.241	0.019	-0.549	-0.261	-1.577	-0.643	-1.171	-0.081	-0.149	-0.842	0.039	0.408	0.163	-0.555	-0.628	0.184	0.892	-0.208	-0.554	1.61
EIF4G3	683768 || E	-0.411	0.484	1.126	-0.541	-0.162	-0.272	0.001	0.318	0.824	1.178	0.271	0.374	0.14	0.962	0.439	0.984	-0.029	1.7	0.712	0.499	0.112	-0.811	0.113	-0.808	-0.736	-0.873	-1.474	-0.492
ELAC1	695486 || E	0.613	-0.402	0.309	1.707	-0.11	-0.155	0.561	-0.442	0.308	2.112	-0.485	-0.574	1.081	-0.359	1.294	0.677	-0.837	0.424	1.017	-0.457	0.285	0.273	0.699	-0.631	0.37	0.402	-1.04	-0.288
ELL2	684068 || E	0.7395	0.0865	-0.5445	-1.5725	0.8685	-0.1195	0.8575	-0.8165	-0.8085	-0.4945	-0.4615	-0.0475	0.2205	0.9695	-0.7485	0.0215	-0.4595	-1.0995	-0.3365	1.0275	0.1585	1.1605	-0.8475	-1.2855	-0.9465	-1.5865	-1.9215	-1.7635

Table 18.

Sample		9830-0100	BC00030-I	030222-Mi	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-Mi	BC00036T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
ELL3	695507 || E	-0.2385	1.2305	0.0655	-0.0135	-0.5265	0.2325	-0.0005	0.1415	0.0915	0.5365	1.0595	1.1735	-0.2195	-0.0585	-0.3235	0.0685	0.6345	0.0115	0.1635	0.3935	-0.0995	-0.3735	-0.1965	4.4775	3.2295	3.1445	-0.4485	-0.1135
ELOVL5	694593 || E	0.4445	0.5845	0.2055	0.3445	0.8915	1.1825	0.9925	0.7185	0.3855	-0.1425	0.2085	-0.3825	-0.5325	-1.4985	1.3025	0.8985	0.4055	0.9335	-0.0465	0.1585	0.3765	-0.6145	1.2525	-1.1025	-1.0695	0.3765	-0.7855	-0.8525
EN1	689084 || E	-0.2475	-0.9355	-1.4835	-0.0285	-0.0305	-0.8285	0.7475	-1.3565	-0.7255	0.5405	-0.9595	-0.7905	-0.5895	-0.0005	-2.0265	-0.6405	-0.7385	0.7505	-0.8695	-0.9985	-0.0475	-0.8775	-0.9885	-0.4895	0.0365	-0.2795	-0.1605	-1.5025
ENAH	682255 || E	0.7035	0.1845	0.0035	-0.2265	-0.0825	0.7845	-0.2085	1.0475	0.5095	-0.8235	-0.7365	-0.4055	-0.3805	-0.4055	-0.5905	-0.0175	-0.4735	0.0495	0.4185	-0.3725	0.6135	-0.2555	-0.1815	-1.8365	-0.3735	-1.5245	-1.8475	-1.6715
EPHX2	683128 || E	-0.489	-0.912	3.181	1.237	0.331	1.638	1.757	0.416	-0.012	0.012	-0.005	2.073	0.218	-1.276	0.968	0.1	0.012	0.039	1.565	0.725	0.594	-1.165	-1.018	-1.544	-0.475	-1.058	-0.417	0.196
EPLIN	687810 || E	-0.2605	-0.3905	-1.1085	0.0115	0.4505	-0.1425	0.8035	0.6705	-1.0105	-0.7695	-0.7425	-0.6045	-0.0725	-0.5665	-0.3385	-0.6665	-0.1535	1.9785	-0.3345	1.2165	-0.8035	-0.4075	0.6655	-0.9465	-0.5595	-0.7625	-0.9805	-0.3925
EPN3	691782 || E	4.1095	3.2945	3.8875	3.5725	3.7015	3.8695	-0.0005	3.0645	4.6425	2.4935	2.4535	1.6025	4.2895	3.6325	3.2715	2.9985	1.6495	3.3615	3.8275	3.8615	0.0895	-0.6745	2.5115	0.3585	1.4835	-0.3285	-0.5695	-1.2005
EPOR	684991 || E	0.089	0.413	0.095	0.221	-0.088	0.253	1.513	-0.076	0.595	-0.174	0.339	-0.327	0.843	1.248	-0.451	0.845	0.663	0.663	0.815	0.988	-0.238	0.373	1.722	0.547	-0.054	0.621	1.215	0.347
ERBB2	688427 || E	-2.7985	-1.5665	-1.6605	-1.2655	-3.6665	-5.0595	-3.8875	-4.3535	1.4745	-4.8575	-2.5675	-0.8885	-4.8715	-3.9865	-4.0815	-4.3555	-4.1285	-2.6465	-3.5125	-4.0715	1.4085	0.0535	-1.4095	-4.4805	-2.9085	-2.6985	-3.0415	-2.0275
ERP70	696259 || E	1.194	0.715	-1.633	-0.224	-0.004	0.825	1.103	0.023	0.258	1.766	0.953	0.036	0.199	1.313	0.625	1.274	1.634	1.217	1.243	0.943	-0.391	-0.035	0.913	-0.602	0.063	-0.01	-0.221	0.718
ESR1	765041 || E	0.0615	0.3955	-0.2255	-0.4475	-0.1005	0.3045	-0.3015	-0.0765	-0.4485	-0.6655	-0.0935	-0.2135	0.4455	0.3685	-0.3305	-0.0755	-0.1695	-0.3675	-0.1855	0.9155	0.7595	0.3895	0.2405	0.6125	1.7435	0.9445	1.1485	1.4735
ETFA	693087 || E	0.3185	0.4725	0.2195	-0.2685	1.0335	1.8915	1.0785	-0.5995	-0.4775	0.3455	0.3915	0.7615	1.6945	0.4715	0.0405	0.2335	0.9255	-0.6775	0.8265	0.9735	1.2585	0.6255	1.0215	0.6615	0.2905	0.5565	-0.1105	0.8825
ETV6	697286 || E	-0.9385	-0.0635	-0.2835	-0.4435	-0.3285	1.2485	1.4465	-0.0835	0.4445	1.4315	0.8395	0.4265	0.4945	0.2965	1.2315	0.3635	0.3115	0.9415	-0.0535	0.0905	-0.1305	-0.3135	0.0005	0.7355	0.6345	0.0165	1.3365	0.7865
EVER1	688220 || E	-0.5115	-0.5225	0.5495	-0.0205	0.2015	0.4655	-0.5845	0.3655	-0.0475	0.1645	0.3505	0.5355	-0.0145	0.0575	0.2905	0.2195	0.2455	0.5475	-0.1405	-0.3185	0.2145	-0.6875	-0.2125	-0.0785	0.3705	-0.7875	-0.3975	0.4475
EXO1	689742 || E	-0.2435	0.3145	-0.1765	-0.7345	-0.3745	0.8525	0.4215	0.6995	0.5725	-0.0405	-0.4645	-0.9805	0.6285	0.1315	-0.0845	0.4115	-0.3495	0.0875	0.3805	0.3405	0.1665	-0.6825	-0.0705	-0.4055	-0.3025	-0.1765	0.5465	0.4485
EXOSC9	691275 || E	0.126	-0.32	-0.027	-0.47	0.928	1.04	1.204	0.524	0.226	0.293	-0.046	-0.372	0.335	0.107	0.436	-0.275	0.701	0.171	0.367	0.004	-0.229	0.462	-0.003	0.545	-0.208	-0.291	1.659	0.389
EXT2	693031 || E	-0.045	-0.128	0.528	0.466	-2.128	-0.228	0.218	-1.088	-0.528	-0.771	-1.449	-0.677	-0.308	-0.592	0.935	-0.288	0.004	0.15	-0.098	0.014	-0.316	-0.682	-1.212	-0.999	0.078	-0.725	-0.359	-1.431
EZH2	689533 || E	-0.1805	-0.3665	0.4455	0.6355	0.2115	-0.0625	0.3615	-0.5375	-0.1195	-0.3415	0.4595	-0.2815	0.2045	0.4325	0.4195	0.3025	0.3705	0.2625	-0.3785	-0.3085	-0.2585	0.1695	0.0735	0.2685	-0.0395	0.3525	-0.0465	-0.2025
F11R	684061 || F	3.114	0.141	0.537	1.347	1.669	-0.907	1.769	0.745	1.14	1.456	0.221	1.281	2.14	0.624	2.199	1.669	0.675	1.65	1.529	2.374	-0.179	0.231	1.004	-0.023	-0.615	-1.305	1.084	-0.795
F9	682839 || F	0.509	0.515	1.053	5.872	3.834	-0.07	7.018	-0.17	0.149	1.054	-0.76	1.565	5.001	6.69	-0.224	0.014	0.683	-1.17	-0.234	-1.293	-1.048	-0.428	-0.033	0.671	1.571	-0.141	-0.311	1.039
FA2H	688063 || F	0.284	0.221	0.328	-0.293	0.548	1.23	0.108	0.438	0.174	-0.615	0.282	0.138	-0.545	-0.364	-0.183	0.322	-0.213	-0.035	0.115	0.475	0.124	0.302	1.72	-0.697	-0.007	-0.362	0.467	0.025
FABP7	694559 || F	-0.657	-0.173	-0.085	-0.519	0.273	0.116	-0.484	0.494	-0.455	1.137	-0.277	-0.048	-0.443	-0.764	-0.205	-0.287	0.203	-0.315	-0.054	-0.369	-0.825	0.32	0.478	-1.142	0.183	-0.883	0.063	0.063
FADD	686191 || F	0.09	0.499	-0.353	0.775	-0.769	0.031	0.275	-0.708	-0.452	0.33	0.326	0.283	0.363	0.787	0.23	0.342	1.039	-0.396	0.614	-0.197	-0.244	-0.389	0.074	1.32	0.393	0.277	-0.551	0.629
FAHD1	688442 || F	0.09	0.207	-0.09	0.084	0.092	0.277	0.384	-0.514	0.048	1.104	0.318	0.144	0.356	-0.719	0.307	0.297	-0.227	-0.593	-0.788	-0.803	-0.033	0.075	0.471	0.705	1.339	1.006	-0.058	0.297
FAHD2A	687880 || F	0.236	0.564	-0.614	0.618	0.382	0.018	0.51	0.092	-0.15	0.019	0.051	0.728	-0.485	1.162	0.062	0.095	0.078	0.447	-0.049	0.421	0.067	0.171	-0.292	0.073	0.495	0.218	-0.11	-0.053
FAM36A	683002 || F	-0.9485	-0.8185	-0.5445	2.8825	-1.3815	-0.5805	1.7565	-0.2435	-0.2585	-0.8475	-0.6255	-1.4235	-0.0705	2.1155	0.0055	-0.5955	-0.8005	3.3235	3.8525	-0.5415	0.1285	0.6375	-0.0165	0.0785	-0.3815	-0.6115	-0.1715	-1.0745
FAM3A	695471 || F	0.1405	0.7015	0.4825	-1.2535	-0.9305	0.5345	0.3295	0.6855	0.7405	0.7725	0.1785	-0.2655	-0.0255	-0.1095	0.0095	0.7075	1.6825	0.1725	1.4815	1.4795	-0.0785	-0.3455	-0.1685	-0.3425	0.3815	0.1275	-0.3095	0.4055
FAM3B	685659 || F	-0.619	-0.503	-0.844	-0.181	-0.351	-0.414	0.558	-0.748	0.265	-0.362	-0.283	0.835	0.345	0.118	-0.286	-0.409	-0.708	1.24	1.743	1.656	0.133	-0.415	-0.182	0.147	-0.876	0.276	-1.171	-1.223
FAM3C	681623 || F	-0.414	0.937	0.425	-0.783	-0.456	0.024	0.732	1.477	-1.313	-0.099	1.559	0.711	0.839	-0.159	-0.961	0.695	1.374	0.346	0.787	-0.318	0.058	-0.005	-0.212	-0.774	-0.211	0.243	-0.313	-0.206
FAM46C	685310 || F	-0.444	-0.053	-0.589	-0.976	-0.23	0.562	1.322	-0.12	0.43	1.563	1.396	1.107	0.375	0.794	0.385	0.182	1.905	0.248	0.144	0.004	-0.164	-0.238	0.644	0.695	0.155	-0.729	1.379	3.002
FAM49B	692836 || F	0.343	0.697	-0.493	-0.083	-0.701	0.917	1.194	-0.321	-0.454	0.038	0.292	0.527	1.649	0.579	0.455	-0.104	-0.631	0.421	0.159	1.679	1.148	0.577	0.124	2.22	1.373	0.477	1.767	1.187
FAM54A	690964 || F	-0.451	-0.424	-0.508	-0.507	-0.573	-0.171	0.83	-0.251	-0.422	0.139	0.506	-0.493	1.008	0.152	0.339	-0.137	-0.583	-0.405	0.411	-0.769	0.104	0.079	0.048	1.58	1.262	-0.026	-0.143	1.513
FANCA	685878 || F	-0.1955	-0.2375	1.1855	-0.2345	-1.0065	0.1505	-0.8055	-0.1645	0.0325	-0.5655	0.0235	0.0865	0.3505	-0.3285	0.0015	-0.2155	-0.6505	-0.5995	-0.4925	-0.5325	0.2255	1.0085	-0.8525	1.0875	1.0635	-0.4555	2.1975	0.1315
FANCE	692746 || F	0.3725	-1.4485	-0.3515	-0.5535	-1.2115	-1.7555	-0.2015	-1.3565	0.3395	-1.7975	-1.9285	-0.3255	0.8825	-0.0245	-2.3515	-1.5255	-1.5845	0.7395	-0.0875	0.3105	0.0215	-0.3955	-0.6575	-2.4715	-0.2465	-1.1685	-2.9815	-2.8425
FBL	682815 || F	0	0.245	-0.062	0.303	0.204	-0.081	-0.127	-0.057	0.17	-0.207	-0.139	-0.073	-0.134	0.038	-0.366	-0.024	-0.268	0.298	0.173	-0.233	0.279	0.656	-0.013	0.498	0.031	-0.19	-0.629	0.324
FBP1	687231 || F	-0.881	0.039	-0.169	-0.403	0.964	0.044	-0.019	0.918	0.009	0.118	0.783	0.515	0.083	0.194	0.683	1.556	1.628	1.847	0.742	1.075	-0.009	-0.081	1.14	0.337	0.305	0.258	0.403	-0.362
FBS1	683642 || F	-0.1825	-0.8015	0.1515	0.8765	0.8315	0.0765	0.7035	0.1125	-0.1205	-0.5585	-0.4065	0.1825	-0.0455	0.3915	-0.1715	-0.5865	-0.6965	0.0165	-0.5005	-0.3085	-0.1415	-0.8205	-0.1235	0.1185	-0.0495	-0.2535	0.6425	0.3755
FBXL20	696291 || F	-0.415	-0.399	-0.017	-0.078	0.079	-0.022	0.194	0.097	-0.47	-0.303	-0.478	0.023	2.085	-0.011	0.77	-0.813	-0.923	-1.366	-0.773	0.204	0.074	0.077	0.224	-0.569	-0.012	-0.366	-0.491	-0.021
FBXO25	682373 || F	0.059	0.547	0.529	-0.314	0.705	-0.17	-0.189	0.49	0.469	0.258	0.332	0.033	0.142	-0.023	0.111	0.608	0.045	0.172	0.401	-0.235	-0.197	-0.258	-0.131	-0.319	0.011	-0.155	0.272	0.035
FDXR	696354 || F	2.368	-0.412	0.846	1.552	2.322	0.106	1.582	0.895	1.003	0.059	-0.491	-0.543	-0.525	0.595	-0.643	-0.45	0.82	0.561	1.306	2.243	-0.345	-0.454	-0.243	-0.505	-0.4	0.039	1.775	-0.033
FEM1B	687319 || F	0.91	1.32	-0.315	2.169	1.307	1.173	1.193	0.081	0.849	-1.014	-0.211	0.007	0.328	-0.523	-0.026	0.229	-0.159	1.533	0.628	1.077	-1.318	-0.034	-2.078	-1.481	-1.164	1.569	-1.386	-2.514
FGF12	686589 || F	1.8085	1.6245	-0.0145	0.3995	1.6455	0.7375	0.8415	0.5585	0.5195	0.2995	0.5135	0.8575	1.0435	2.0185	1.5085	1.3065	1.0925	0.2395	0.5755	1.0415	0.5975	0.6265	-0.0715	0.0925	0.3695	0.0495	-0.6685	-1.1345
FGF13	696768 || F	0.914	-0.431	-0.539	-0.207	0.232	-0.485	0.047	-0.259	0.891	-0.297	0.669	-0.046	-0.12	0.403	0.359	0.35	-0.448	1.56	2.128	1.361	0.492	-0.187	-0.926	0.123	-0.541	-0.039	-0.989	-0.578
FHOD1	693587 || F	0.3405	-0.1195	1.0785	0.1825	-0.2395	0.0845	0.9435	0.2625	0.8665	0.4855	0.3005	-0.0335	-0.2095	-0.1215	0.5545	-0.2585	0.4295	0.4365	0.6265	1.2685	0.3095	-0.1215	0.3605	-0.4175	0.1655	-0.2015	-0.8475	-0.1025
FKBP11	684453 || F	-0.2655	-0.5835	-1.1625	-0.0385	-1.0505	-1.1385	-0.0625	-1.3885	0.3785	0.3325	0.0545	0.4565	-0.3065	-0.4395	-0.2975	-0.4925	-0.0005	-1.1725	0.0425	0.0075	0.0005	0.0105	-0.4585	-1.5935	-0.5485	-1.6775	-1.0915	-0.9255
FLJ10094	684307 || F	0.629	0.563	-0.211	0.005	-0.388	0.152	-0.343	0.637	-0.005	-0.784	-0.447	-0.929	-0.789	-0.595	-0.484	-0.367	-0.699	-0.573	-0.518	-0.738	0.336	-0.356	-0.245	-0.844	-0.3	-0.079	-0.399	-0.086
FLJ10116	682368 || F	-0.3945	0.5165	0.0065	-0.7705	-0.3335	-0.0285	0.2065	0.4745	-0.5295	0.6585	1.3485	1.4965	0.6285	-0.3795	2.0945	0.4115	0.6315	0.3065	-0.0245	-0.3575	-0.1855	-0.1955	-0.1105	0.5315	0.7495	0.3915	-0.0905	0.5185
FLJ10159	685392 || F	0.669	0.103	0.271	1.066	-0.473	0.332	0.826	0.317	0.033	0.019	-0.695	-0.343	-0.144	-0.073	-0.837	-0.164	-1.234	-0.473	-0.182	-0.325	0.454	-0.055	0.157	0.134	-0.364	0.597	-0.428	0.165
FLJ10204	688075 || F	-0.343	-0.157	-0.346	-0.451	0.38	0.543	0.26	0.055	0.794	0.519	-0.451	-0.284	-0.204	0.558	-0.034	-0.472	0.398	0.359	-0.13	0.329	-0.332	0.322	0.029	0.534	0.685	-0.305	1.412	2.133
FLJ10276	694528 || F	0.9795	-0.0585	-1.3165	1.7775	-1.0455	1.8645	1.8975	0.3745	-0.6685	0.7655	-1.0345	-0.8325	-1.5685	-0.2645	-0.4405	-0.7035	0.0005	-0.8135	-0.5975	-1.4975	0.4365	-0.0015	-1.2095	-1.3985	-0.9175	2.3355	-0.1545	-0.1045
FLJ10292	686908 || F	0.7355	-0.6165	-1.0185	1.8705	1.7875	1.0065	0.1085	-1.1615	-0.1925	-0.4775	0.1035	0.4315	2.4205	-0.0315	-0.8055	-0.2935	0.3815	-0.0765	0.2145	-0.1575	-0.1865	-0.3425	0.8565	-0.3295	0.2005	1.3815	0.3965	0.7285
FLJ10324	693717 || F	-0.6415	-0.6235	-0.2595	0.2905	-0.4355	0.1435	1.2075	-0.0665	0.0135	-0.1645	0.6635	0.8705	0.6955	0.1825	1.3535	0.0595	0.0885	-0.1135	-0.0025	-0.4045	-0.1465	0.0305	0.5325	0.5205	0.3975	-0.3315	1.7685	0.7205
FLJ10700	687078 || F	-0.164	-0.423	-0.537	0.508	0.906	0.274	0.466	-0.128	0.332	-0.376	-0.86	-0.69	-0.413	-0.555	-0.787	-0.628	-0.95	0.014	-0.31	-0.069	0.3	-0.436	-0.608	-0.437	0.129	-0.355	0.639	0.165
FLJ10706	693300 || F	1.895	0.74	0.468	0.147	2.364	1.734	2.842	-0.018	0.103	0.288	1.061	1.35	0.817	1.34	1.613	1.859	1.704	0.678	1.344	2.277	1.002	-0.042	-0.501	2.103	2.808	1.655	1.05	1.433
FLJ10871	694856 || F	-0.283	0.545	0.067	0.805	0.459	0.514	-0.823	-0.611	-0.493	-1.747	-0.206	0.099	0.069	-0.583	-0.739	0.329	0.184	-0.369	-1.213	0.962	-0.059	-0.056	-0.348	0.616	0.637	0.034	0.404	-0.517
FLJ10901	684051 || F	0.6345	-0.4395	0.4245	0.5195	2.7455	-0.4775	0.6715	-0.4885	0.1985	0.2865	-0.5605	-0.2725	0.2405	-0.4385	0.1045	0.7695	-0.3655	-0.2465	0.2215	0.1665	-0.3665	0.8625	-0.5935	-1.5725	-1.6865	-1.5445	-3.0435	-1.6105
FLJ10918	695840 || F	0.108	1.441	0.332	-0.84	-0.687	-0.132	0.015	-0.554	-0.635	-0.784	-0.258	-0.154	-0.254	-0.095	-0.386	0.028	0.054	-0.441	0.13	0.304	-0.928	0.079	0.26	0.114	-0.833	-0.235	0.507	-0.401
FLJ10980	684797 || F	-0.5265	-0.4925	-0.0035	-0.0625	-0.3215	-0.8615	-0.1645	-0.0805	0.3565	-0.0855	-0.5065	-0.5985	-0.9405	-0.4265	-0.1965	-0.3735	-0.0075	-0.0505	-0.6455	-0.6235	-0.7105	0.1205	-0.3465	-0.6435	-0.0665	-0.1615	0.9275	0.7115
FLJ11017	682528 || F	0.4225	1.1295	-0.1535	0.3595	-0.3205	0.6995	0.4325	0.4045	0.1685	1.7745	1.3605	0.7125	0.4955	1.1275	0.1345	0.9835	1.5375	0.2265	0.0575	-0.0515	0.0625	1.3695	0.7115	0.1425	-0.0515	-1.0915	-0.9515	-0.0965
FLJ11088	689859 || F	0.1705	0.4955	-0.3305	-0.0625	-0.3185	0.1665	-0.5775	-0.0015	-0.9055	-0.2555	-0.6025	-0.9215	0.4325	-0.3215	-0.0735	-0.5085	-0.4325	0.4745	-0.4205	-0.1325	0.4825	0.1725	0.3995	0.7275	0.1705	0.9375	-0.1655	0.1775
FLJ11151	695880 || F	0.0135	-0.3665	0.2905	0.3095	0.4385	-0.2775	-0.3965	-0.7735	-0.0535	-1.1345	-0.0135	0.6725	-0.3745	-0.5355	0.1665	-0.1475	-0.3025	-0.4485	-1.4565	-0.3515	-0.7145	0.3155	0.2115	0.7645	-0.1705	-0.5505	-1.0665	-0.4865
FLJ11267	688538 || F	-0.0405	-0.1405	0.2505	-0.8625	-0.2655	0.1995	-0.3885	-0.0225	0.5125	-0.3065	0.2525	0.4655	-0.1075	0.2535	-0.1745	-0.0165	-0.5215	0.1195	-0.0875	0.2005	0.3355	-0.0955	0.3525	-0.5705	-0.4905	-0.0395	-0.1385	0.5775
FLJ11280	697294 || F	0.6765	0.4065	-0.6235	-0.6905	0.0475	0.5715	0.0365	0.0125	-0.4455	0.3015	-0.5915	-0.6695	-0.1275	0.0855	0.1525	0.0905	-0.5435	0.1605	-0.0835	1.2185	0.7745	0.4725	-0.0855	-0.0695	0.9745	0.0125	0.6755	0.3485
FLJ11506	691255 || F	-0.4415	0.6425	-0.8415	0.3615	-0.9585	0.4875	0.0315	0.8235	-0.3465	-1.3045	0.0225	-0.1715	1.9905	-0.3545	-0.6895	-0.0415	-0.8595	2.1725	0.1075	-1.5805	-0.1745	1.4635	-0.3675	-0.5855	-0.4705	-0.0885	0.7185	0.3335
FLJ12270	690555 || F	-1.7535	-1.1605	0.1635	0.8855	-0.1385	0.7085	0.1485	0.5685	0.0985	-0.8855	1.6355	1.8305	-0.7475	-0.9485	-0.5225	-1.1015	-0.9075	-0.8685	-0.4735	-1.8815	0.6545	0.4505	0.0235	-0.5825	-0.8925	0.6425	0.8445	0.7015
FLJ12844	693818 || F	-0.4655	-0.4255	0.7285	0.1795	-0.0405	-0.5405	-0.3495	-0.4895	-0.4275	-0.3865	1.1885	0.1235	0.3835	0.0545	-0.1625	-0.2335	-0.0965	0.6255	-0.3945	0.1855	-0.3445	0.0435	0.2045	0.0075	-0.2875	0.0235	0.8275	0.8485
FLJ12650	690008 || F	1.0735	-1.1135	-0.2965	-0.7875	2.0425	0.6995	0.0605	-0.0845	0.5515	0.3855	0.1655	-0.5385	-0.0065	0.5055	-0.0785	-0.1315	0.0385	0.1565	-0.2585	-0.3615	0.1335	0.1145	0.1615	0.6825	0.3725	0.5185	0.5515	0.3805
FLJ12684	685216 || F	0.9885	0.7895	0.7695	1.4115	2.0015	1.2325	-0.1145	0.3675	0.4405	1.4025	0.0225	0.4115	0.9545	1.0795	0.1185	-0.4835	0.8525	-0.4915	0.3055	0.3545	-0.0745	0.3185	0.0305	0.2845	0.4975	-0.2555	0.2775	0.1645
FLJ12735	697973 || F	-0.079	0.199	-2.48	0.512	-0.468	0.237	0.82	-0.99	-0.837	-0.786	-0.209	-0.769	-0.315	-0.021	-1.246	-0.796	-1.816	-0.26	-0.08	-0.866	-0.204	-0.264	-1.429	-0.706	-0.412	-0.819	0.404	-0.13
FLJ12750	685380 || F	-0.94	-1.424	-0.517	-1.979	-0.9	-2.948	-1.803	-1.416	0.588	-2.556	-1.171	-0.144	-1.851	-2.027	-0.4	-0.757	-1.95	-0.361	-2.202	-0.977	-1.421	0.653	-1.189	-1.623	-2.698	-3.697	-2.052	-2.338
FLJ12895	683723 || F	-0.3805	-0.5855	2.3085	0.1075	-0.4665	2.8775	-0.0005	-0.3155	0.2005	-0.6285	-0.7115	-1.1655	2.3455	3.3535	1.3655	-0.0835	0.5705	0.8275	-0.0735	-0.3535	0.3175	0.2415	-0.3775	0.3295	0.2465	-0.2855	0.0275	0.1915
FLJ13710	693274 || F	0.2385	0.1955	-0.1395	-0.3805	0.4955	0.0335	1.4815	-0.6745	0.2775	0.4725	0.3865	0.3715	-0.2835	0.1265	0.1005	0.0875	1.3565	1.0515	-0.6475	-0.0745	-0.5705	-0.5355	-0.3015	0.5795	-0.0135	-0.2815	0.4025	2.0485
FLJ13855	681758 || F	-0.467	-0.156	0.407	0.26	-0.62	-0.284	-0.157	-0.117	-0.402	-0.519	-0.295	-0.283	-0.02	0.19	0.44	0.334	-0.887	-0.606	-0.408	0.302	0.141	0.562	0.089	0.949	1.099	1.133	0.9	0.245
FLJ13912	696739 || F	-0.274	-1.149	0.501	-0.06	0.75	0.826	-0.129	0.429	0.743	-0.906	0.471	0.945	-0.043	-0.635	0.7	-0.208	-0.803	0.659	-0.892	-0.121	-0.21	-0.235	0.003	1.625	0.196	-0.212	2.165	0.036
FLJ14124	691127 || F	-0.005	-0.446	-0.216	0.663	0.122	0.845	0.505	-0.213	0.274	-0.001	0.053	0.216	-0.078	0.198	-0.134	-0.237	0.494	0.554	0.411	0.229	-0.399	-0.091	-0.135	0.556	0.326	0.011	0.798	0.775

Table 18.

Sample		9830-0100	BC00030-I	030222-MI	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-MI	BC00036T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
FLJ14627	681398 || F	-0.1055	2.0265	0.7145	0.4355	-0.0555	-0.0645	5.1925	0.0315	-0.0885	-0.1775	0.0145	0.0865	0.0295	0.0505	-0.1355	-0.1085	0.6765	-0.2385	-0.3045	0.2025	-0.1295	0.2355	0.0005	-0.3925	-0.1675	0.2475	-0.1255	-0.2255
FLJ14686	696627 || F	-0.515	0.117	0.494	-0.279	-1.245	-0.625	-0.545	0.427	0.594	-0.598	0.428	1.081	-0.498	-0.818	-0.673	0.124	-0.277	1.568	0.398	0.014	1.008	-1.009	-0.412	-0.223	-0.588	-0.138	-0.593	-0.213
FLJ14904	687755 || F	0.042	-1.23	-0.423	0.155	-0.239	-1.481	-2.484	-1.371	1.901	-1.311	-1.394	-0.666	-2.16	-2.17	-1.225	-1.78	-1.478	-1.089	-2.302	-2.128	-0.286	-0.748	-0.827	-1.295	-1.077	-0.934	-2.089	-1.4
FLJ20035	699171 || F	-0.775	0.168	1.057	-0.049	-0.347	0.543	0.538	0.119	-0.223	0.954	1.67	1.301	0.269	0.572	-0.013	-0.044	0.937	2.123	0.732	0.997	-0.483	-0.157	0.081	0.257	-0.12	-0.253	0.357	-0.127
FLJ20152	694420 || F	-0.198	-0.448	-0.561	0.132	-0.121	-0.013	-0.063	0.013	0.157	0.267	0.379	0.425	0.565	0.303	-0.187	-0.489	-0.341	-0.949	-0.519	-0.447	0.823	0.499	0.1	0.323	0.392	0.587	0.164	2.361
FLJ20171	695239 || F	0.76	-0.046	-0.148	-0.97	-0.608	0.759	0.869	0.237	-0.989	-0.238	0.158	-0.289	0.818	-0.818	-0.747	-0.382	-0.252	0.075	-0.153	-0.39	0.393	-0.181	-0.451	-1.482	-0.82	-0.721	-1.233	-0.377
FLJ20244	684905 || F	0.026	-0.019	-0.282	1.071	0.554	0.545	0.703	0.051	-0.215	-0.606	-1.404	-0.231	-0.283	0.151	-1.578	-0.389	-1.189	0.395	-0.902	-1.151	1.497	-0.844	-0.318	-1.69	0.051	-0.782	-1.237	-0.313
FLJ20273	683092 || F	-0.393	0.105	-0.199	-0.293	0.62	0.205	-0.013	-0.295	0.014	-0.067	1.237	1.079	0.098	0.262	0.264	0.369	0.137	0.21	-0.028	0.157	-0.002	0.018	-0.228	0.058	-0.618	-0.128	-0.13	-0.006
FLJ20315	689446 || F	-0.063	-0.771	-0.258	-0.095	-0.134	-0.244	-0.169	-0.697	-0.156	1.024	0.674	0.837	0.244	0.728	0.927	0.118	-0.007	0.196	-0.261	-0.152	-0.65	0.081	0.007	-0.001	-0.529	0.277	0.687	1.668
FLJ20323	697352 || F	0.0295	0.7265	-0.3365	-0.6995	0.2765	0.8805	0.5735	-0.2445	-0.1255	1.4305	0.6925	0.0035	1.0315	-1.0985	-0.1195	0.1255	0.1465	2.0875	0.4885	0.3865	-0.0225	-0.1615	0.2945	-0.1445	0.0495	0.4955	-0.0555	-0.2155
FLJ20516	688282 || F	-0.427	-0.303	-1.257	-1.103	-0.642	-0.266	-0.391	-0.22	-0.116	-0.652	-0.499	-0.695	-0.687	-0.918	-0.716	-0.379	-0.356	0.381	0.82	0.242	1.63	0.227	-0.65	-0.302	0.171	0.253	0.69	-0.346
FLJ20530	681463 || F	0.591	-0.263	0.168	-0.371	0.251	0.325	0.325	0.256	-0.34	0.159	-0.362	-0.19	0.641	0.586	0.773	0.5	0.611	0.656	0.218	0.494	0.039	0.237	-0.096	0.216	-0.266	-0.118	0.083	0.357
FLJ20696	684792 || F	-0.8795	-0.6755	0.8155	-0.0425	0.0475	0.4885	-0.4275	0.7905	-1.1425	0.6445	0.8105	1.0335	1.1905	-0.8755	-0.7105	0.7365	-0.4815	0.4755	0.1895	-1.1495	0.0265	-0.4275	0.0915	-0.0565	0.5555	0.5895	-0.0815	0.2585
FLJ20718	692255 || F	0.258	0.219	-0.292	0.055	-0.273	0.206	-0.533	-0.153	-0.031	-0.094	0.873	1.752	0.765	-0.44	-0.615	0.002	-0.248	-0.085	-0.016	-0.744	0.901	0.265	0.219	0.208	1.117	0.663	0.285	0.466
FLJ20772	688898 || F	-0.2815	-0.5555	-0.0045	-0.0755	-0.1245	0.1805	0.2665	-0.5775	-0.2475	-0.8015	-0.8445	-0.7975	-0.2255	-0.0635	-0.7285	-0.1895	-0.5725	-0.8695	-0.8905	0.0405	0.6505	-0.0785	-0.5985	-0.1085	0.1925	-0.4045	0.3925	0.1595
FLJ20989	695210 || F	0.9205	0.1615	-1.2595	-1.0985	-0.2535	-0.5195	0.5855	-0.5005	0.2025	-0.1275	-0.8295	-0.5205	-0.8765	-1.2345	-0.9635	-0.8915	-0.6775	-0.5095	-0.9915	-0.8725	0.4555	0.3135	-0.6145	-1.4825	-0.2855	-1.3035	-0.4445	-0.7785
FLJ21019	689334 || F	0.5525	-0.0935	0.4785	1.6365	1.1045	1.3095	-0.4285	0.1765	0.7265	-1.2565	0.1195	0.7525	0.0075	-0.8775	0.2405	0.9115	-0.0135	0.5225	-0.2075	-0.6155	0.0695	-0.3785	-0.3605	-1.3345	-0.3795	-2.1285	0.5615	0.5845
FLJ21062	695900 || F	-1.2415	-0.3225	-0.1205	0.1245	0.6325	0.2495	0.6705	-2.2095	0.0365	-0.4295	-1.5455	-2.2935	-0.5235	-0.8425	-1.3625	-1.6995	-1.6315	1.1455	-0.9965	-0.1455	0.5985	0.0945	-0.4385	-1.2295	-0.3315	0.3665	0.5375	-0.6005
FLJ21159	688476 || F	0.1335	-0.5335	-1.5665	1.3215	-0.2525	-0.0375	0.6915	-0.1575	-0.6015	1.1075	-0.2705	0.1735	-0.1395	1.0115	-0.0495	0.3615	0.3145	-0.4485	-0.0105	-0.2695	-0.1555	0.5295	-0.1765	-0.1145	-0.3085	-1.4435	0.0085	-0.7405
FLJ21616	696280 || F	-0.241	0.016	-1.608	1.023	-0.274	0.464	1.665	1.017	-0.064	2.165	0.687	1.573	1.011	2.819	-0.059	0.676	-1.103	-0.653	0.941	-0.597	-0.964	0.889	-0.417	-0.938	-1.18	-0.607	-2.533	-1.694
FLJ21827	683572 || F	-0.5085	0.7245	-0.7565	-0.3145	-0.1285	0.6245	-0.8745	0.5765	0.4975	0.8495	0.3965	0.2895	0.0715	-0.1475	0.3835	0.5815	0.4475	1.9935	0.9145	0.0315	-0.1055	0.2095	-0.7145	-0.8015	-0.7525	-1.4055	-0.4535	-0.9175
FLJ21963	688108 || F	-0.521	-0.509	0.051	0.122	-0.237	-0.213	0.119	-0.673	-0.513	0.297	0.216	0.598	-0.091	1.122	-0.078	1.327	-0.295	-0.243	1.117	-0.12	-0.496	-0.512	-1.14	-0.31	-0.254	-0.641	-0.269	0.153
FLJ22104	690673 || F	0.7245	0.0295	-0.5865	-0.5365	-0.6965	0.2285	0.6735	-0.2905	-0.2385	0.2685	0.3545	0.4795	0.7215	1.2085	-0.1795	-0.5675	0.2525	0.5885	0.6625	1.2575	1.6655	0.2925	0.2215	0.5805	0.8855	0.5645	-0.3505	-0.3295
FLJ22222	694558 || F	-0.651	0.107	0.272	0.29	-0.477	-0.013	-0.759	0.078	0.63	-0.396	-0.464	-0.176	0.203	1.371	-0.107	0.325	0.373	0.58	0.239	-0.257	0.35	0.164	-0.464	-0.23	-0.469	-0.346	-0.081	-1.227
FLJ22573	683583 || F	0.0395	-0.2745	-0.2115	-1.1355	1.4505	2.0365	1.6045	0.3415	1.4655	-0.0225	-0.6275	-0.6845	-0.8515	-0.2865	-0.8965	-0.2105	0.0075	-0.6875	-0.4505	0.7905	-1.3385	-0.5355	-0.3825	-1.2945	-0.9575	-0.3245	0.4415	-1.0725
FLJ22794	692448 || F	-0.512	1.013	-0.39	-0.032	-0.05	-0.036	-0.163	-0.091	-0.359	0.347	0.005	0.089	-0.29	-0.812	-0.326	-0.31	-0.155	0.276	0.434	-0.274	0.092	0.388	-0.583	-0.596	0.448	-0.395	1.358	0.681
FLJ23188	692984 || F	-0.5915	1.9035	1.3045	1.1335	-0.6195	2.0905	-0.1035	-0.0855	0.4885	2.4465	-0.0665	1.0455	-0.3215	-0.4395	-0.1805	0.7715	0.3775	-0.0375	-0.6165	1.1685	0.1515	-0.2485	-0.2235	-0.2385	1.3165	0.1165	-0.4015	2.2415
FLJ23441	696416 || F	-1.204	-1.596	-0.129	1.353	0.478	-1.286	-0.211	-0.115	-0.652	-1.351	0.729	1.596	0.307	0.944	-0.698	-0.291	-1.21	-0.432	-0.805	-0.275	-1.178	0.095	-0.56	-0.514	-1.123	-0.267	-0.724	1.013
FLJ25471	695557 || F	-0.382	-0.715	-1.075	-1.101	-0.556	-0.018	0.074	-0.784	-0.356	-0.065	-0.567	-0.788	-0.145	2.843	-0.485	-0.102	0.382	-0.08	-0.579	0.063	0.222	0.091	-0.259	0.323	0.96	-0.975	0.184	0.002
FLJ31204	683963 || F	-0.9455	-0.0405	0.5375	0.0135	0.0225	-0.3825	0.3545	0.0215	0.2265	-0.4745	0.5085	-0.4405	0.2795	0.5935	0.4215	0.3765	0.3235	0.4745	0.3895	-0.7515	-0.7695	0.4885	0.2835	0.6035	2.1885	0.8525	-0.0875	2.1635
FLJ31795	688302 || F	0.0205	-0.1685	-0.0435	-0.3695	-0.3085	-0.1825	-0.3235	-0.3665	-0.4685	-0.1555	0.0925	0.3765	0.7895	1.2765	-0.7995	-0.3915	-0.9025	-0.3865	0.6345	1.7915	2.2565	0.6635	-0.0755	0.6765	0.9825	1.4025	-0.6925	-0.3845
FLJ32542	690691 || F	0.0815	-1.3845	-1.4975	0.6015	0.2675	0.2465	-1.5155	-0.4285	0.8435	-1.9195	-0.2155	-0.2405	-2.2155	-1.7165	-1.9515	-1.4185	-2.3275	0.2275	-0.1375	-2.1665	-1.1835	-1.4715	-1.2385	-2.7855	-2.1465	-2.3855	-1.3825	-0.5265
FLJ37970	697729 || F	-0.515	-1.794	-2.303	-2.778	-2.233	-1.067	0.674	-1.198	-0.393	-3.219	-0.849	0.894	0.493	-2.523	-0.601	0.942	-2.797	-1.027	2.126	-2.475	-1.808	0.744	2.369	2.163	1.882	0.208	-0.161	-0.151
FLJ39370	694709 || F	-0.5175	0.0775	-0.7755	0.1025	-0.0305	-0.3975	0.3855	-0.0085	-0.5475	-0.4435	-0.2635	0.1585	0.0415	0.2795	-0.2375	-0.2015	0.1105	0.1825	1.5515	-0.3935	0.3025	0.2435	-0.5725	-0.3355	-0.2035	-1.0545	-0.4045	-0.3155
FLJ90586	685670 || F	0.8545	1.5425	0.5515	0.1625	-0.2145	-0.8425	0.0485	-0.1375	-0.0925	1.4205	0.0735	-0.1945	-0.6245	0.2715	-0.1315	2.0035	0.3435	0.3545	0.6135	1.3655	-0.9245	0.6145	-0.0665	0.7105	0.5165	0.6255	0.7845	1.7145
FN3KRP	685326 || F	-0.333	-0.376	-0.896	0.354	0.002	0.307	0.391	-1.119	0.469	-0.218	0.154	0.184	0.427	-0.606	-0.286	-0.057	-0.878	0.107	-0.543	-1.145	-1.363	-0.208	-0.45	-8.002	-4.471	-4.046	-4.336	-6.126
FOLR1	697855 || F	0.0005	0.5165	0.6465	0.2275	0.9005	-1.3195	-1.4495	-0.6495	-0.9985	-1.4695	-0.7195	-0.0005	-1.6095	-0.5095	-0.6295	-0.0795	1.3005	-1.0995	-0.8095	-0.3095	0.3305	0.2115	-0.8095	3.1605	2.5705	2.7605	4.0265	3.4705
FOXA1	692889 || F	-0.3385	0.3195	-0.1205	0.9985	-0.2185	0.4875	-0.1365	0.3895	0.6275	-0.7945	0.1065	0.6345	-0.0365	-0.6555	-0.4075	0.1535	-0.3195	-0.1735	-0.3675	-0.5375	0.4645	-0.1885	-0.4995	-0.4985	-0.3045	-0.3025	-1.1425	-0.3645
FOXC1	772435 || F	0.271	0.904	0.059	1.454	0.726	2.004	1.73	0.458	0.469	-0.844	1.367	0.804	0.449	-0.048	0.2	0.775	1.861	0.026	0.483	1.393	0.736	-0.393	-0.155	-0.258	0.282	0.33	1.251	0.311
FOXP1	692043 || F	0.2095	0.3285	-0.0755	0.7455	-0.3905	-0.2235	0.1035	0.4675	-0.0925	-0.4965	-0.5285	-0.4125	-0.7275	-0.4245	0.0895	-0.1905	-0.2265	-0.2425	-0.3555	0.2045	0.6375	0.3905	-0.3535	-0.3325	-0.1085	-0.5845	0.3255	0.6155
FREQ	683314 || F	0.2025	0.7695	-0.1035	-0.1835	0.4515	-0.4365	-0.4195	-0.7795	0.1315	-0.4105	-0.1395	0.2455	-0.6005	-0.6005	0.3875	0.3015	0.5835	-0.0305	0.0115	-0.3405	-0.4485	0.0055	-0.4775	0.5865	0.0665	-0.3305	0.4885	0.0115
FTO	693312 || F	-0.0325	0.3075	-0.6405	0.0325	-0.7265	-0.1685	0.7495	-0.2465	-0.5085	0.0315	-0.6745	-0.1625	-0.6225	0.7975	-0.7815	-0.5465	-0.4515	0.2355	1.0645	0.7295	0.1645	-0.9795	-0.6005	-1.6395	-0.4865	-0.6345	-0.3865	-0.7405
FUBP1	690423 || F	-0.7805	-0.2355	-0.7095	-0.3235	0.9045	-0.4455	-0.2825	0.4805	0.7205	-1.3585	-0.8385	-1.0465	-0.0355	-0.6475	-0.9025	0.0025	-0.9125	-0.2655	0.2445	-0.5915	0.3055	0.0155	-0.0535	-1.2645	-1.2565	-1.3345	-0.8245	-1.5415
FUCA1	691254 || F	0.021	0.63	-0.318	0.433	-1.073	-0.545	-0.48	0.284	-0.363	-0.441	0.258	-0.26	-1.156	0.094	-0.275	0.941	-0.73	-0.069	-0.259	0.26	0.744	-0.895	-0.755	0.88	0.147	1.076	0.782	0.298
FUT8	695197 || F	-0.3065	0.5145	0.2175	0.4915	-0.8845	0.1765	0.3975	-0.6445	-0.4515	0.2065	-0.7795	-0.1495	-0.2845	-0.1655	-0.2295	-0.0555	0.5315	-0.1945	0.1635	0.1325	-0.1875	-0.1675	0.1485	-0.6585	-0.5295	-1.4325	-0.9455	-0.3555
FXYD6	687048 || F	0.841	0.617	-0.294	0.09	-0.896	1.264	-0.451	-0.18	-0.293	-1.388	0.428	-1.132	-0.766	-0.342	-0.036	0.169	-0.104	-0.359	0.486	-1.334	-0.304	0.226	0.633	-0.014	-0.514	0.119	-0.975	1.843
FYCO1	691750 || F	0.294	0.765	-1.38	-0.448	-0.822	0	-0.272	0.666	-0.03	-1.561	-0.541	-1.177	-2.072	-0.999	-0.119	0.496	-0.076	-0.136	-0.369	-0.284	-0.031	0.319	-1.064	-1.111	1.343	1.058	1.001	2.263
FZD10	686248 || F	-0.4155	0.3385	0.4545	0.3505	-0.0345	-0.1625	0.7895	0.2445	-0.5585	0.1575	-0.3545	0.2645	-0.2855	0.0055	-0.2595	0.0625	0.3735	0.0175	0.6295	-0.3445	-0.5405	-0.2655	-0.0545	1.4135	0.3445	2.3645	1.0725	1.5165
FZD7	691443 || F	-1.3965	-0.0965	3.0495	2.7575	-0.0205	-0.8455	-0.8125	2.4325	3.3105	-1.0305	1.3845	1.9755	0.0145	1.3195	0.3485	1.8775	-0.3015	-0.2015	-0.4195	0.3815	0.9805	-0.7515	0.2885	1.5455	0.8055	1.5035	0.0275	1.7515
FZD9	691926 || F	0.5475	-0.0755	2.6905	0.7275	-0.1085	-1.0435	-0.5545	1.2875	1.7735	-1.0245	1.5045	1.7545	-0.8785	1.0895	0.3075	1.5735	0.0965	-0.4065	-0.0975	-0.1195	1.0175	-0.4945	0.1625	1.2955	-0.5495	1.5995	0.1535	0.5025
G1P2	694822 || C	-0.7785	-0.0195	-0.1485	-0.4345	-0.3345	-0.1945	-0.9085	0.2455	0.2845	-0.1265	0.2125	-0.5535	-0.3245	0.0415	1.2005	0.0865	0.7265	-0.1485	0.1615	-0.7565	-0.0735	-0.3845	-0.1285	0.1045	-0.6145	-0.6205	1.0285	0.8985
G1P3	693731 || C	0.263	0.253	0.229	-0.282	-0.066	-0.291	-0.563	-0.13	-0.244	-0.489	-0.797	-1.112	-0.989	-0.594	-0.039	0.499	-0.202	1.093	-0.325	-0.038	-0.054	-0.411	-0.666	0.009	-0.063	-0.514	-0.98	-0.195
GA17	696445 || C	-0.7955	-0.5895	-0.0245	0.4785	-0.0345	0.8365	0.4595	-0.6175	-0.8135	0.8685	1.2585	1.2545	0.7175	0.6325	1.1735	-0.0345	0.3945	1.4695	-0.6735	-0.2535	-0.7045	-1.6385	-0.4725	0.2835	0.0785	-0.4955	1.3075	1.3185
GABARAP	683657 || C	1.4945	0.5355	-0.5355	1.5685	0.3785	0.4975	1.6285	0.2185	0.8085	1.2255	0.5755	1.2365	0.2565	1.3655	0.5865	0.4585	0.1905	0.2845	0.6265	0.3495	0.4015	0.9845	0.7975	-0.3915	-0.6905	-0.2025	0.2785	-1.0915
GAJ	696722 || C	2.6505	2.8795	0.7425	2.7345	3.3665	1.7195	2.3125	0.8115	-0.7745	-0.9175	2.8145	1.1365	3.7625	0.5075	2.8635	2.8795	2.0345	1.6615	-0.7705	2.3845	-0.6745	-0.8575	-0.7235	-0.4905	-0.0285	3.1335	2.1555	0.9255
GALE	681740 || C	-0.103	0.222	0.778	0.373	-0.549	0.615	0.379	-0.043	0.286	-0.263	0.484	0.87	-0.076	0.822	0.588	0.925	0.269	0.84	0.385	1.205	-0.033	0.648	0.724	0.6	-0.117	0.715	0.51	0.493
GALNT14	693376 || C	0.3485	0.6135	1.4215	2.1575	0.6805	1.0145	-0.0535	0.7515	1.0015	-2.0585	-0.4355	-0.7195	0.1135	-0.7675	0.1935	-0.0885	0.4575	1.4415	-0.0985	0.1615	-0.8305	-0.2745	-0.9015	-1.8665	-2.4925	-1.1955	-1.4675	-0.9155
GALNT2	692425 || C	-1.4405	-1.3875	0.2545	1.6345	-0.6805	-2.4295	-1.4585	-0.7915	-0.8045	-1.6585	-0.7365	-0.6845	-1.6345	1.9915	0.5515	-0.5265	-0.4885	-0.2705	-0.4515	-1.7535	-0.4735	0.0405	0.9205	-0.5235	-0.4025	-0.0065	-1.7675	-1.5115
GALNT7	684872 || C	-0.364	0.596	0.341	-0.077	0.084	-0.469	-0.404	0.567	0.029	-0.249	0.329	0.765	-0.008	0.701	0.137	-0.307	0.279	0.085	0.266	0.637	-0.178	0.118	0.18	0.737	1.455	0.044	1.399	2.323
GAMT	697658 || C	-0.257	0.27	0.45	0.516	0.071	1.152	0.458	0.971	1.447	1.458	1.187	1.285	0.774	0.119	0.395	0.689	0.955	-0.102	0.081	0.119	0.099	-0.175	0.499	0.812	0.62	0.563	1.074	0.583
GAPD	696932 || C	-0.006	0.608	-0.575	-0.596	0.218	0.292	0.784	-0.146	0.357	1.553	-0.317	-0.775	0.699	0.652	-0.09	0.009	0.808	0.223	-0.167	-1.022	0.276	0.058	0.164	0.517	0.757	0.107	0.996	0.948
GARS	693904 || C	-1.816	-2.068	-0.601	-0.845	-0.235	0.125	-1.562	-0.882	0.685	-2.62	-0.77	0.454	-0.494	-2.642	-0.12	-0.998	-3.279	-0.591	-1.702	-1.874	0.21	-0.268	0.035	-2.663	-3.054	-2.15	-0.817	-1.135
GART	683079 || C	0.7865	-0.1615	0.4265	1.4615	-1.0635	-1.7285	0.3395	0.7075	-0.3845	2.1145	-0.3935	-0.3165	-1.4805	2.0455	-2.0845	0.6015	1.1645	-1.5475	-0.0925	1.2955	-0.0915	1.0095	-0.2635	-1.8305	-1.2115	-1.2865	-0.6435	0.4665
GATA3	696046 || C	0.3695	-0.1995	0.0815	0.4585	0.3685	0.0765	0.7635	0.0535	0.0575	-0.5235	0.7675	0.4475	0.4185	1.0305	0.5825	0.5215	0.8575	-0.2345	0.2975	0.6035	0.1855	0.4135	1.4715	0.9545	0.9515	1.5485	0.3225	-0.3765
GATM	685950 || C	-0.548	-0.381	-0.569	-1.28	-1.729	-0.531	-1.23	-0.008	-0.106	0.978	-1.017	-0.765	-0.319	-0.784	-0.527	0.166	0.51	-0.821	-0.624	-1.532	2.171	0.445	-0.69	-0.206	-0.532	-0.912	0.141	0.462
GBA	691089 || C	0.128	0.418	-0.438	0.286	-0.28	0.301	0.26	0.117	-0.21	0.593	0.448	0.134	0.126	0.653	0.592	0.541	1.256	0.462	0.176	0.526	0.335	-0.187	1.208	0.495	0.633	-0.211	0.888	2.064
GDAP1	689715 || C	0.213	0.145	0.232	0.676	-0.154	0.233	0.018	0.66	1.339	0.55	0.073	0.18	-0.174	0.461	0.048	-0.178	-0.903	-0.428	-0.178	0.762	0.565	-0.082	-0.123	0.364	0.85	0.415	0.068	-0.259
GDI2	686228 || C	-0.1865	-0.9765	-1.2875	-0.3205	-0.6345	-0.3635	0.3935	-0.2875	0.6705	-0.3355	-0.4545	-0.0605	0.2175	-0.3935	-0.0595	-0.6085	-1.3745	0.0775	-0.3705	-0.6675	0.1785	0.0315	-0.6045	0.0065	-0.4625	-1.0685	-0.7985	1.0275
GGA1	683921 || C	-0.6995	0.5615	-0.1915	0.1155	0.0005	0.6445	0.3545	-0.1625	0.5705	-1.2485	-0.9155	-0.1625	-0.4395	-1.7665	-0.4125	-1.1125	-0.4145	0.8285	1.1745	0.4515	0.6245	0.2215	0.2085	-1.2035	-1.2055	-0.3585	-1.1055	-0.5335
GKAP1	682770 || C	0.5125	0.7785	-0.1205	0.4845	0.2245	0.5945	-0.2145	0.5625	0.3955	-0.3155	-0.1745	-0.3745	-0.1525	0.4485	-0.2025	0.6765	-0.2335	0.5875	0.2075	1.4995	0.5115	0.0355	-0.0665	0.4025	0.6375	0.0215	0.2585	0.0685
GLCCI1	689758 || C	-0.0025	0.4095	-0.7305	0.8295	-1.3345	-0.5535	-0.9525	-0.0415	0.4375	-0.6625	-0.3785	-0.2815	0.2875	-0.0955	0.4045	-0.5825	-0.5345	-1.1595	-0.0545	-0.4415	0.3545	-0.0175	0.3695	0.1795	0.8825	-0.1745	0.1805	-0.6765
GLG1	681938 || C	-0.404	0.552	0.309	-1.298	0.104	0.197	0.421	0.8	0.163	1.794	0.337	-0.333	0.429	0.601	-0.063	1.188	1.494	0.457	0.62	-0.523	-0.515	-0.297	0.535	0.649	-0.116	-0.104	0.324	0.387
GLTSCR2	686786 || C	-0.266	0.812	1.446	-1.166	-1.17	-1.048	-0.2	0.156	0.465	-1.626	-0.182	0.442	0.123	-1.233	0.551	0.667	-0.95	0.288	-0.018	0.147	0.212	0.403	0.459	-0.706	-1.427	0.126	-0.358	-0.473
GNB4	697071 || C	0.061	-0.306	2.29	0.266	-0.351	0.063	-0.001	0.078	0.001	-0.077	-0.236	0.053	0.444	-0.091	-0.165	-0.321	-0.452	-0.276	-0.428	-0.037	0.418	0.308	0.439	0.319	-0.091	0.106	0.491	-0.334
GOLPH2	689832 || C	0.8845	0.5505	0.0385	0.6475	0.3275	1.5155	2.2925	0.6145	0.2955	-0.5185	0.9205	0.2815	2.3895	0.4475	0.2895	0.5735	0.8975	0.6835	0.1615	1.2725	0.4965	0.3605	0.1415	0.9605	0.7235	0.5775	1.2825	1.1295

Table 18.

Sample		9830-0100	BC00030-I	030222-ME	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-Mi	BC00036T	BR01-0123	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-1085	UB49	BC00070	UB-116	PB377	BR97-0137	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
GPATC1	687697	-0.0515	1.0565	0.0595	-0.8145	0.0545	0.6355	-0.1765	0.4825	0.0845	-1.9405	-0.8295	-1.7545	-0.8945	-0.6055	-0.9175	-0.5345	-1.7635	0.4625	-0.7605	-0.1585	-0.1655	0.2725	-2.1075	0.3545	1.4365	2.0005	1.2805	1.4725
GPC2	692352	-0.1575	0.5545	1.0635	0.2295	-0.1615	0.2455	1.2635	0.2885	0.8465	-0.5825	-0.0815	0.2845	2.5855	-1.3945	-0.4135	0.4255	-0.0665	-0.0045	-0.2255	-0.8355	-0.0095	-0.1595	-0.2425	-1.3895	-2.6785	-1.2355	-1.6415	-2.1995
GPR125	694724	0.274	0.814	1.734	0.484	0.99	0.304	-0.169	0.319	1.474	-0.555	-0.046	0.019	0.315	-0.387	0.684	1.368	0.305	1.065	-0.11	1.005	0.504	0.151	0.328	1.268	0.611	0.726	0.538	0.675
GPR160	682327	-0.0045	0.2895	-0.0575	1.1245	-0.0695	3.1685	1.5525	0.7045	0.2805	-1.1475	-0.1645	0.6225	2.6135	0.6435	1.5435	0.0985	0.2875	-0.7225	0.4635	-1.9715	0.2755	0.1755	-0.7685	-0.6905	-1.2035	-0.5385	-1.3985	-0.0915
GPR56	688865	-0.1725	0.0965	-0.0185	-0.4845	-0.4345	0.1995	0.6025	0.2175	0.1755	-1.6285	0.4235	0.1345	-0.5485	-0.0695	0.0035	0.4995	0.4255	0.1465	-0.0445	-0.0245	0.5495	-0.2345	0.0145	0.7625	0.1835	1.1375	-0.0855	-0.0255
GPRC5C	696709	-0.3645	0.6205	-0.6625	-0.7455	-0.6855	0.2915	1.2235	-0.0175	-0.1905	0.3645	-0.0465	-0.7835	0.5815	0.5325	0.1685	0.1595	0.9115	-0.2165	0.2225	0.4965	-0.0135	-0.6925	0.1075	1.4935	1.6025	-0.0275	1.3205	1.6405
GPSM1	682325	-0.192	-0.74	-0.638	-0.017	-0.748	-0.952	-0.37	-0.541	0.581	0.835	-0.3	-0.247	-0.523	-0.596	-0.422	0.096	-0.267	-0.137	-1.199	0.327	0.879	0.342	-0.803	0.555	-0.218	-0.667	0.354	0.668
GPSM2	690902	1.122	0.861	0.702	-0.412	-0.182	0.923	1.598	-0.812	-0.38	2.504	0.853	0.673	0.855	1.091	-0.155	-0.581	1.081	1.006	0.567	0.518	-0.198	1.152	0.372	1.51	-0.044	0.523	1.333	1.162
GPT	693608	-0.8305	1.4965	-0.5025	-1.1885	-0.6385	1.1185	0.0765	1.6475	0.5865	0.0465	0.2715	-1.0535	-0.8215	-0.3225	-0.1695	0.6885	0.7925	0.4775	0.0015	-0.2205	-0.0325	-0.2205	-0.3075	0.3115	0.0825	0.9025	0.9725	1.6545
GPT2	689304	-0.241	0.355	-1.603	3.521	-0.67	-0.437	2.191	1.743	1.458	-1.13	1.88	2.115	-1.931	-0.728	-1.499	-0.008	-0.795	-0.938	-1.065	-0.067	0.585	0.103	-0.707	1.663	0.792	2.945	1.166	-0.281
GPX7	694626	1.15	2.607	2.658	2.303	2.18	2.734	0.006	1.95	2.164	0.67	0.923	1.112	2.326	1.391	1.539	1.743	0.639	2.116	1.951	1.834	-0.049	-0.058	0.37	0.365	1.04	0.65	-0.071	-0.553
GRB14	691136	0.7105	0.8275	0.1355	0.7695	-1.1605	-0.6165	-0.0155	0.5735	0.1995	0.3225	-0.3935	0.7325	-1.1365	-1.0465	-0.2315	-0.7665	0.5845	-0.1375	0.1635	-0.7415	0.6055	-0.7085	-0.5145	-1.1215	-0.3585	-0.2175	0.4535	-1.1805
GRB7	691667	1.7495	1.9905	2.0995	1.5095	-0.1385	2.4525	-0.1425	3.7255	-0.4985	0.0405	0.8235	1.3655	2.0195	1.9695	0.2575	1.5355	0.1655	0.2685	2.2155	2.5235	1.0175	0.3005	1.1765	0.6405	1.0495	1.5635	0.5045	-0.5985
GSC	684798	0.376	0.497	-0.108	-1.021	0.06	0.638	0.036	0.155	0.467	0.408	0.043	0.231	-0.282	-0.35	-0.42	0.235	0.154	-0.482	0.191	1.13	0.125	-0.042	0.002	-0.05	0.553	0.023	0.626	-0.13
GSDML	684490	0.048	0.057	0.031	0.098	-0.157	0.205	-0.592	-0.058	-0.253	0.154	-0.305	0.27	0.331	0.37	0.127	0.714	0.001	0.039	-0.647	0.162	-0.261	-0.152	-0.224	0.079	1.38	0.899	0.518	0.061
GSK3B	682653	1.121	-0.527	-0.437	-0.186	-0.643	-0.374	0.389	-0.662	-0.418	0.003	-0.706	-0.055	-0.734	1.037	-0.674	-0.288	-0.122	-0.666	-0.071	0.329	0.193	-0.19	-0.071	0.273	-0.003	-0.208	-0.793	-0.914
GSTA1	690111	0.8975	-0.3075	-2.3485	0.7815	2.2325	-0.8485	-2.9985	0.1025	-0.6025	0.6445	0.8275	1.0695	1.2965	1.5315	-0.2785	-0.6525	0.3465	-1.5175	1.4165	-0.0655	0.9455	0.5305	1.0875	-2.6435	-1.8755	-1.9985	-1.1605	-2.8685
GSTK1	691113	1.083	0.224	-1.818	-1.387	-0.883	0.928	0.455	-0.512	-1.204	-1.594	0.891	0.017	0.819	0.106	0.422	-0.011	-1.447	-1.265	-0.599	-0.369	-0.288	-0.588	-1.125	1.407	1.386	0.936	1.452	2.168
GSTM3	686813	0.2485	0.2175	-0.2995	1.4785	0.8385	-2.2375	-1.4625	-0.2145	-1.9945	-2.0195	-0.1845	0.5325	-1.7025	0.5705	0.4805	-0.2495	0.6635	-1.6665	0.3515	-0.6925	-0.0625	-0.1845	-1.1605	0.2645	0.8485	0.0565	-1.5725	-0.4675
GSTP1	690952	-0.934	0.467	0.584	-1.223	-0.947	-0.37	-0.654	0.999	0.295	-1.059	0.148	-0.453	-0.32	-0.168	-0.242	1.053	0.754	-0.441	-1.57	0.523	-0.173	1.348	-0.599	-0.153	0.884	-0.66	-0.094	-0.847
GSTT1	684076	0.2265	0.2875	-0.1375	-0.4695	0.9085	0.4355	-0.5345	-0.3065	-0.3835	0.3275	-0.0845	-0.2445	0.3105	-0.9675	0.6125	-0.2715	0.5755	0.0445	-0.4195	-0.0485	-0.0285	-0.7055	-0.3145	-0.2495	0.5225	0.5065	0.2275	1.3595
GSTT2	685053	-0.3725	-0.1935	-0.6785	-0.4595	0.2725	-0.1925	0.9475	-0.2355	-0.0995	-1.1935	-0.6595	-0.7405	-0.3305	-0.3625	-0.6685	-0.4805	-0.2885	0.4315	-0.1885	0.2575	-0.1675	0.1815	0.4495	-0.2165	0.0325	0.6505	0.1005	0.3325
GTF2F2	697621	-0.067	0.34	-0.411	-0.938	0.64	0.261	-0.382	-0.07	0.005	0.33	-0.061	-0.572	0.024	-0.663	0.848	-0.338	0.739	0.145	0.008	0.478	0.214	0.168	-0.428	-0.515	0.168	-0.307	-0.478	0.878
GTF2I	692303	0.2765	-0.4145	-0.3495	0.1105	-0.0455	0.3715	-0.0165	-0.0255	-0.0625	0.3735	0.1675	0.6185	0.7205	0.1445	-0.8085	-0.8365	-0.9525	-1.2155	-0.8315	-0.1325	0.5265	-0.2155	1.2495	-0.1585	0.0285	0.8495	0.2455	1.6225
GTF3A	693886	-0.123	-0.531	0.411	-0.269	-0.013	0.939	0.502	-0.035	-0.191	1.548	0.587	0.472	0.947	-0.008	0.408	0.08	0.998	0.007	-0.004	1.304	-0.204	0.434	1.117	0.365	1.21	0.325	2.321	0.639
GTPBP3	682310	-1.425	0.651	0.676	1.228	-1.438	-1.219	0.547	0.677	0.824	-0.626	0.053	1.297	-0.567	-0.515	0.488	0.808	-0.363	-0.002	0.634	1.43	-0.177	-0.728	-0.026	1.708	0.677	0.594	-2.919	-1.558
GTPBP4	689649	-0.633	0.352	0.195	0.131	0.09	0.75	1.166	0.265	-0.318	-0.424	0.156	-0.214	0.728	0.301	-0.301	0.4	0.364	0.694	0.197	-0.044	-0.267	0.043	0.041	-0.172	-0.299	-0.139	0.858	0.325
H1F0	692476	-0.5015	0.1155	0.6305	-0.0325	0.8035	0.2115	-0.3675	0.4355	0.0725	-0.0695	0.2695	0.4635	0.4005	-0.0975	-0.4925	-0.1705	-0.2355	0.4525	-0.0315	0.3115	0.2265	-0.2025	-0.0995	0.0105	0.8845	-0.0815	0.1145	-0.6135
H2AFV	695317	-0.2655	-0.4325	0.3275	0.4805	-0.5185	0.5615	0.3255	0.4775	-0.8435	0.7585	0.4165	0.0935	-0.1985	0.1145	0.0545	0.4265	0.3145	1.8445	0.3765	-0.5215	-0.7665	-0.8655	-0.0835	-0.2205	-0.2345	-0.2105	1.1385	0.3315
H2AFY	696406	0.2725	0.6015	-0.1305	1.6735	1.5515	0.7905	1.2085	0.4755	1.9565	-0.6175	-0.6935	-0.7775	-0.2775	-0.7705	0.2575	0.3665	0.6375	1.1685	0.5725	0.3165	-0.3305	-0.3655	-1.7385	0.5935	-0.5635	0.6845	1.0175	-0.1715
H2AFZ	683032	-1.1405	0.2505	0.0125	-1.0075	-0.2325	0.2265	-0.1665	0.0135	-0.9145	-1.1005	-0.3675	-0.6115	-0.4325	-0.5725	-0.2785	3.2795	0.7515	0.3805	0.2515	0.9405	-0.1815	-1.0035	-0.9335	-0.4915	-0.2265	-1.2215	-0.4985	0.1155
H2BFS	685337	-0.3415	0.3895	-0.2925	-0.8255	-0.6745	-0.0615	0.0965	-0.3475	0.4695	0.7765	0.4315	-0.0265	0.1845	0.1225	-0.1375	-0.0725	0.8305	0.2075	0.3405	0.5155	0.0085	-0.0265	-0.3995	0.8865	-0.1155	-0.5765	-0.0105	-0.4075
H3F3B	690295	-0.047	-0.183	0.135	-0.363	-0.702	0.124	0.714	-0.413	-0.014	0.61	-0.438	0.291	-0.213	0.664	-0.28	-0.124	-0.098	-0.011	-0.372	-0.032	-0.045	0.454	0.475	0.182	0.412	-0.049	-0.641	0.288
H41	682811	-0.0475	0.1965	0.3215	-0.0995	0.1015	-0.1275	0.2955	0.8055	-0.2345	-0.2865	-0.3205	-0.1375	-0.6075	0.4605	-0.4105	0.0475	-0.2235	-0.0895	0.1215	-1.3425	0.0585	0.0765	-0.1635	0.3355	-0.4795	0.5365	0.2645	-0.4135
HAGH	696380	0.177	0.157	-0.053	0.645	-0.736	-0.397	0.238	-0.009	-0.366	-0.389	0.316	0.007	0.1	0.714	0.101	-0.027	0.993	0.309	-0.02	-0.117	-0.463	0.262	-0.338	-0.293	-0.55	-1.11	0.257	-0.48
HBG1	688388	-0.5635	0.2405	0.3645	-0.1595	-0.4695	0.8555	0.7415	1.4065	0.0855	1.3305	1.1245	0.8395	1.1805	0.6185	1.0545	-0.1475	-0.1225	0.6305	-0.2075	-0.6165	0.1315	-0.2925	0.3585	1.4655	0.9265	0.5325	1.7655	1.1795
HBLD1	697677	0.227	0.568	0.911	-0.932	-1.236	-0.6	-0.21	0.117	0.511	-0.262	1.114	1.405	0.114	-0.629	-0.396	0.164	-0.11	1.719	0.732	-0.162	1.471	-0.229	0.554	0.884	0.609	0.293	0.153	0.641
HCAP-G	691867	0.4605	0.7915	-0.7425	-0.8035	1.0675	0.9535	0.5565	0.5245	0.6185	0.1685	0.6675	-0.0335	2.2845	0.3205	0.4805	0.7785	0.0785	0.0245	0.1205	-0.1775	0.0905	0.1105	0.4195	0.8115	0.6465	-0.6595	1.5665	2.2445
HCP5	695382	0.856	0.156	-0.493	-0.857	-0.522	-0.198	-0.081	-0.149	-0.162	0.012	-0.038	-0.549	-0.079	0.264	-0.091	0.435	-0.058	-0.389	-0.177	-0.479	1.323	1.056	-0.602	-0.052	-0.006	-0.48	-0.578	-0.413
HDAC2	697848	-0.175	-0.02	-0.135	-0.597	-0.911	0.384	0.041	-0.075	-0.2	-0.488	-0.915	-0.815	-0.721	-0.376	-0.793	-1.341	-0.725	-0.16	-0.182	-0.375	-0.408	0.022	-0.375	-1.592	-0.091	-0.095	-0.019	-0.224
HDC	688061	-0.0095	-0.1585	0.9645	0.2555	0.0615	-0.0875	-0.2735	-0.0075	-0.1455	-0.1355	0.1965	0.5855	0.5055	-0.2305	0.0395	-0.1995	-0.2645	-0.0475	0.2015	0.2855	-0.0645	0.1285	-0.0005	-0.2385	-0.0255	0.3245	-0.0435	-0.3655
HEBP1	697035	1.1	-0.989	-0.251	0.654	0.521	-0.026	1.121	-1.771	0.107	-0.479	-0.274	1.102	0.149	0.291	-1.451	-0.711	-0.627	-0.855	-0.246	0.469	0.484	0.091	-0.048	-0.733	0.596	0.602	0.437	-0.407
HIPK2	691802	-0.243	-0.667	-0.622	-0.307	-0.305	-0.11	-0.368	-0.557	-0.37	-0.036	-0.702	-0.508	-0.483	-0.126	0.068	0.447	-0.674	0.64	-0.709	0.621	-0.441	-0.905	-0.04	-0.439	-0.579	-1.716	-0.54	-0.752
HIPK2	694742	0.3475	-0.1135	0.7955	2.2905	2.2295	1.1325	2.0965	1.0365	2.0965	-1.2435	-1.3505	-1.0085	-0.6145	-0.3985	1.1605	0.8165	1.2075	0.8455	-0.0335	1.2355	-0.8805	-0.5815	-1.7375	0.5815	-0.9005	1.3295	-0.0565	-0.6855
HIS1	694010	0.2145	0.3015	-0.1375	1.6125	1.7345	0.6315	1.5165	0.6015	1.6285	-0.7215	-1.0625	-1.0035	-0.5055	-1.1045	0.1345	0.0975	0.3075	1.0115	0.5135	0.4215	-0.1005	-0.5285	-1.6035	0.6355	-0.5415	1.1685	0.4955	-0.6585
HIST1H2A	684611	0.285	0.241	-0.068	1.732	1.441	0.596	1.638	0.705	1.926	-0.83	-1.203	-1.202	-0.465	-1.046	0.152	0.16	0.298	1.141	0.498	0.374	-0.139	-0.174	-1.558	0.994	-0.642	1.18	0.5	-0.788
HIST1H2B	697885	0.1215	0.1555	0.0705	1.6495	1.4055	0.4395	1.5135	0.8295	1.7615	-1.0315	-1.0155	-1.3175	-0.4135	-0.9775	0.1675	0.1775	0.3125	1.2095	0.5745	0.3705	-0.1915	-0.0455	-1.5695	0.9075	-0.6735	1.2975	0.3705	-0.8985
HIST1H2B	681566	0.351	0.348	-0.081	1.551	1.559	0.594	1.483	0.88	1.961	-0.901	-1.183	-1.059	-0.568	-0.91	0.053	0.118	0.231	1.056	0.511	0.234	-0.058	-0.269	-1.821	0.871	-0.478	1.173	0.38	-0.783
HIST1H2B	695646	-0.9155	0.4935	-0.2815	-0.8325	0.2105	0.1485	-0.8085	0.0295	-0.8445	-0.8725	-0.5215	-0.4845	-0.7455	-1.1825	-0.4385	2.9215	0.2965	-0.1605	0.1705	0.6945	-0.3725	-0.9955	-0.8915	-1.2715	-0.5045	-1.1985	-0.4775	0.1225
HIST1H2B	683833	0.3055	-0.4585	0.4975	1.0095	0.1525	0.3215	0.7885	0.2275	0.5905	0.9875	0.8015	0.7785	0.6785	1.7225	0.3185	0.6275	0.0025	0.3725	1.3885	0.0685	0.2275	0.7535	0.7965	0.6315	-0.0675	0.4945	0.0925	0.6715
HIST1H3C	693912	-0.0385	0.5265	-0.2245	0.0575	0.2015	1.1655	0.9235	0.4015	-0.2915	1.1505	0.0155	0.2895	0.9525	0.7875	0.2735	0.1025	1.0635	0.9085	1.4605	0.6725	0.7765	-0.3555	-0.6075	0.2025	0.3915	0.0135	1.0335	-0.0175
HM13	695097	-1.0405	0.3725	1.0975	0.7755	1.1365	1.5135	0.8355	0.9835	-0.4575	0.5985	1.3765	0.6595	3.7065	0.5565	2.9975	0.7985	1.5675	0.5025	1.0555	2.3355	0.1575	0.1025	0.3625	0.1415	-0.5225	-0.4575	1.4425	-0.0465
HMGB3	690648	-0.7315	0.2045	0.0035	-0.3225	0.2265	0.2815	0.0675	-0.0355	0.0875	-0.3965	0.4825	-0.1675	0.5725	0.0835	0.5315	0.2175	0.5355	1.0725	-0.3035	0.2345	-0.2785	-0.4495	0.3815	0.3935	0.1525	-0.5375	0.4975	-0.0215
HN1	689578	-0.764	-0.115	0.487	-0.75	-0.758	-0.841	-0.985	0.12	-0.325	-0.579	0.277	0.534	-0.676	-0.582	0.026	-0.16	-0.468	0.475	-0.269	-0.332	-0.347	-0.558	-0.74	-0.319	-0.776	-1.049	-0.199	0.419
HNRPA3P	687868	1.0505	0.5365	-0.0875	-0.6775	-0.8235	1.5115	-0.5585	-0.0325	-0.0795	0.5975	-0.2085	-0.6565	-0.3485	-0.4885	-0.2875	-0.2445	-0.3385	-0.1045	0.3565	-0.0285	0.4495	-0.2635	-0.0895	-0.2715	-0.1025	1.1695	-0.6635	-0.6735
HNRPDL	689713	1.45	0.401	-1.5	-0.674	-2.93	-0.579	-0.319	0.048	-0.303	-0.283	-0.604	-1.573	-0.648	-0.92	-0.583	-0.009	-0.524	-1.492	0.629	0.024	0.644	-0.703	-0.151	-0.033	0.277	1.379	-1.977	-0.651
HOXA5	682213	0.3945	0.5205	-2.0465	0.5995	-1.2745	2.9585	1.1465	0.7905	0.9225	0.4445	-0.0715	0.9085	-1.6205	-2.4375	-0.9435	-1.3385	0.1905	1.2635	-0.3665	0.0085	0.7495	-0.9495	-1.1495	-1.1735	-1.1195	-1.4145	-3.5655	-2.4485
HOXA7	693224	-0.6055	0.1185	0.7145	0.0575	0.0795	4.0675	0.3525	0.3775	0.5695	-0.7295	0.1945	0.7555	-0.3535	-0.0625	0.2425	0.5055	1.0875	1.3125	-0.9375	-0.3015	1.3215	0.0705	0.2035	-0.0155	-0.8545	-0.1095	-0.2165	-0.7255
HOXB2	695779	0.4935	-0.2565	-0.6115	0.5955	-0.1975	4.3155	-0.7505	0.4885	0.9625	-0.5235	0.0095	0.7595	-0.7945	-1.2075	-1.0785	-0.7235	1.4435	1.0795	-0.2345	0.1585	1.0035	-1.2055	0.2015	0.6215	0.3845	0.4105	-1.2275	-1.0765
HOXB6	688928	0.5545	-0.0005	2.2125	2.5515	1.2015	0.7075	0.0375	0.2305	0.5195	-0.0015	1.6395	2.1535	3.1405	-0.2155	0.5745	1.0765	-0.0435	0.2535	-0.4695	0.1715	2.0005	-0.5645	0.3815	0.8625	0.7765	0.2225	0.5365	-0.0285
HOXB7	687026	-0.2545	0.0525	0.7105	0.4605	1.5335	0.7825	0.8385	0.7655	1.3715	-0.0795	1.1065	1.3295	0.2945	-0.1545	0.8845	0.6095	0.1455	0.9475	0.6675	-0.2065	2.1665	0.0815	0.6615	0.3205	-0.1825	0.4825	0.8165	-0.1205
HOXC10	688125	-0.431	-0.243	0.515	1.179	1.389	0.874	-0.878	0.511	0.157	-0.821	0.054	0.689	1.725	-1.267	0.263	0.306	-0.122	0.07	0.113	-0.02	0.643	-0.414	1.033	0.593	-0.195	0.05	-0.654	0.076
HOXC13	688022	-0.5565	-0.5195	-0.7215	-0.1975	-1.4625	-1.2795	-0.1025	-1.5305	0.3015	0.4955	-0.4245	-0.5525	-0.2685	-0.3585	0.1755	0.2435	0.2355	-0.2175	-0.8255	0.1925	0.8375	0.1985	-2.0275	0.6875	-0.0725	-1.8795	0.1925	0.9535
HOXC9	686974	-0.193	0.034	-0.694	-0.658	-0.315	0.671	-0.257	-0.409	-0.648	0.146	-0.555	-0.284	-0.842	-0.35	-0.445	-0.416	0.275	-0.639	-0.231	-0.749	1.404	-0.737	-0.856	-0.732	-0.419	-0.876	-0.032	0.933
HOXD3	688881	-0.7255	0.3285	-0.8215	-0.4915	0.0925	-0.1165	0.1745	-0.1345	0.4685	-0.3545	-0.3285	-0.5815	-0.5145	-0.5445	-1.0695	-0.4535	0.3025	0.4355	0.0235	0.0275	0.4135	-0.0715	-0.3105	0.2105	-0.9315	-0.3215	0.0485	-0.5315
HPCL2	693166	0.086	1.059	-0.141	1.41	-0.382	2.598	1.655	0.366	0.955	3.24	1.44	0.801	-0.297	0.225	-0.058	0.882	1.943	-0.258	0.188	0.767	1.484	0.144	0.603	0.787	-1.32	1.304	1.68	-0.376
HPS3	684956	1.0185	0.5705	-0.3435	0.2355	0.9925	-0.2865	1.2055	0.3785	0.2085	0.7635	0.4625	0.2315	-0.1385	-0.0365	0.3685	0.4695	1.3045	0.3525	0.7265	0.5945	0.0005	-0.3975	-0.0505	-0.1735	0.5985	-1.1425	-0.0925	-0.4025
HRASLS	689305	-0.1735	-0.3255	-0.7835	-0.7425	-0.4905	0.5565	0.0305	-0.0305	-0.7255	1.3705	0.2735	0.7635	1.0085	-0.7255	0.0885	0.0325	-0.3605	0.1945	-0.4435	-0.1145	0.1575	0.1645	-0.6855	-0.5055	-0.4165	0.7015	0.3495	0.0815
HRB	692071	3.958	1.43	1.507	1.214	2.313	-0.312	1.631	0.146	0.345	2.123	1.055	2.184	2.208	0.982	1.562	0.881	0.585	2.764	3.596	1.45	-0.643	0.208	0.232	1.364	4.31	1.674	2.926	0.194
HRSP12	681060	-0.063	0.914	-0.813	0.015	-0.188	0.466	-0.307	1.23	-0.328	0.909	1.209	1.154	0.579	-0.334	-1.013	-0.094	0.547	-0.71	0.311	-0.114	0.777	0.489	0.444	0.311	1.225	1.058	0.288	0.888
HSD17B2	692999	0.4035	-0.0285	-0.0005	0.0425	-0.1145	0.7605	0.8125	0.0025	0.1075	0.8445	-0.0515	0.0005	0.4825	0.2395	-0.1355	-0.2765	0.6345	-0.3525	0.0785	0.7455	-0.2045	0.3845	0.4895	0.3155	0.3865	0.1115	1.2305	2.2535
HSF1	694939	0.2855	-0.7595	1.3035	1.5075	0.9475	-0.9395	1.1515	0.0805	2.5425	-1.5385	-1.2435	-0.4465	-1.3335	0.5425	-1.3215	-0.4565	-0.4965	0.3985	-1.0165	-0.4345	-0.6425	-0.1695	-0.7925	0.3855	1.0105	0.3765	-0.6365	0.0795
HSPA14	694810	1.047	0.596	1.078	1.67	1.363	1.52	1.145	0.956	1.122	-0.122	-0.03	0.158	1.947	2.006	0.549	1.584	0.332	2.123	1.598	1.297	0.579	0.432	0.03	-0.226	-0.079	1.442	0.889	0.162
HSPA2	696880	-0.3265	0.0935	0.3515	-0.0835	-0.4115	0.1575	0.8825	-0.5625	-0.2325	0.4495	-0.2465	0.0455	-0.2815	0.6345	-0.4195	0.0215	-0.2635	-0.4265	-0.1465	-0.0935	-0.2425	-0.1645	-1.2125	-0.4585	-0.4925	-0.6045	-0.2495	0.0375
HSPA5BP	693776	-0.361	0.626	-0.197	-0.166	-0.412	-0.177	-1.059	-0.022	0.333	0.393	0.779	0.025	-0.453	-0.509	0.406	0.553	0.766	1.907	0.485	-0.326	-0.359	0.179	-0.278	0.465	0.151	-0.362	0.515	0.379

Table 18.

Sample		9830-0100	BC00030-I	030222-MI	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-MI	BC00035T	BR01-0123	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
HSPC016	686206	-0.271	0.086	-0.264	0.441	-0.649	0.214	-1.113	0.236	0.065	0.333	-0.083	-0.22	-0.128	-0.678	0.248	0.186	-0.057	0.149	0.228	0.014	-0.043	0.249	-0.453	0.386	0.394	-0.112	0.208	0.527
HSPC138	696535	0.104	-1.226	-0.059	-0.656	0.422	0.974	0.915	-0.087	0.406	-0.456	0.868	0.403	0.402	0.28	1.19	0.434	0.461	0.464	-0.649	-0.248	-0.362	-0.339	-0.515	0.312	0.61	0.095	0.346	0.891
HSPC148	687677	-0.4145	-0.2895	1.1105	-0.3935	0.0545	1.3315	1.5085	0.2905	0.9365	-0.1915	1.4785	0.8575	0.3105	-0.7535	1.3355	0.7275	0.6985	1.7415	0.2155	0.3685	-0.0755	0.0015	0.6925	-0.0445	-0.2115	0.0235	0.9535	-0.0015
HSPC150	692010	-0.0335	-0.3625	-0.2275	0.0105	-0.5085	0.3435	0.7395	-0.6975	-0.0985	0.7065	-1.0135	-0.8545	-0.1625	0.4795	-0.0275	-0.3305	-0.2315	0.3765	-0.1425	0.5155	-0.1115	-0.1655	-0.1585	-0.4955	0.1615	0.2625	-0.3595	0.8355
HSPC163	691987	-0.161	-0.413	0.798	-1.325	-0.71	-0.754	-0.935	-0.21	-0.691	-0.016	0.131	-0.674	-0.921	-1.067	0.373	-0.116	-0.618	-0.827	-0.622	-0.784	-0.207	0.081	-0.079	-0.042	0.966	1.132	1.452	2.279
HSPC268	693184	-0.067	0.287	-0.232	-1.433	0.307	0.206	0.149	-0.22	-0.523	0.708	0.53	0.835	-1.065	0.336	0.17	0.291	0.834	0.934	0.207	0.396	-0.229	-0.883	0.519	0.395	-0.369	0.361	0.775	1.084
HSU79274	693843	0.154	0.755	0.829	0.347	-0.168	0.227	1.084	-0.061	-0.168	0.529	0.574	0.516	0.79	0.085	0.083	0.985	0.585	0.341	0.349	0.458	0.151	-0.102	0.008	0.267	1.13	0.042	0.362	0.488
HTATIP2	693716	-0.721	-0.908	0.259	0.541	0.469	0.577	0.425	-0.124	-0.846	0.83	0.202	0.061	2.822	0.028	2.19	-0.309	0.006	-0.459	0.381	1.11	-0.25	0.116	-0.25	-0.539	-0.481	-1.211	-0.125	-0.432
ICMT	681046	0.618	1.238	-0.312	0.205	-2.053	-1.232	-0.248	-0.159	-0.827	0.761	-0.41	-1.402	-1.674	-2.139	-1.253	-0.231	0.318	-1.843	-0.647	0.044	0.088	1.085	-1.582	1.521	2.884	1.875	2.31	0.162
ICT1	683297	0.849	1.117	0.319	1	1.774	0.816	1.426	0.537	0.223	0.904	0.963	0.882	1.301	1.128	0.96	1.354	0.68	-0.044	0.897	3.035	1.483	-0.075	0.992	0.313	0.516	-0.12	0.247	0.646
ID4	685578	-0.1035	0.4815	0.5695	-0.3845	-0.2995	0.5685	0.6565	-0.1745	0.1925	-0.3765	-0.6675	-0.4165	-1.1385	0.0385	0.1195	-0.4475	-0.0985	-0.3975	0.0675	0.4015	0.4365	-0.9015	-0.7665	-0.9605	-0.0245	-0.7885	-1.0015	-0.3725
IDH2	681706	-0.919	0.368	1.189	0.422	0.079	0.506	-0.015	1.024	-0.428	0.734	1.016	0.923	0.751	1.783	-0.036	0.366	0.467	0.658	1.152	1.875	0.721	-0.1	0.801	-0.068	0.637	0.511	-1.781	-0.492
IDS	696420	-0.3285	0.1165	1.5775	1.2285	-0.7755	-0.6355	-1.1525	1.9455	1.6355	-0.9615	0.4075	1.5655	-0.2725	0.2065	0.1255	1.1695	-0.4275	-0.6475	0.0015	0.0675	1.4665	-0.4505	-0.6115	0.4205	0.2475	0.8075	0.1765	0.0465
IFI30	695270	-0.4495	0.1615	0.8685	0.1875	-0.9515	-0.4995	-0.5015	0.6465	1.3875	-0.7615	0.2695	0.5095	-0.4845	-0.6355	-0.2345	0.3035	-0.4535	0.3865	0.1335	-0.1015	0.4665	-0.6965	-0.3085	-0.0065	-0.6115	-0.1385	0.4135	-0.1285
IFI44	681212	-0.0145	-0.3625	1.7325	0.0095	-1.1655	-1.0755	-1.4015	1.0245	1.1485	-1.1655	0.3715	0.7285	-0.5295	-1.0105	-0.0975	0.6385	-0.6825	0.3695	-0.1145	-0.4195	0.5275	-0.0545	-0.3835	0.6885	-0.1835	0.4665	-0.8975	-0.5765
IFIT5	684503	-0.1845	-0.0015	-0.7755	0.5085	-0.0795	0.2305	0.0575	0.1975	0.1815	-0.0415	-0.2605	-0.3105	-0.8305	-0.4805	0.3065	-0.6815	-0.2815	-0.5915	0.0585	-0.0845	-0.0975	-0.0985	-0.4235	-0.4705	-1.0465	-0.8125	-0.4575	-0.3965
IFITM1	690866	-0.1295	-0.4755	-0.8485	-0.2585	0.0915	-0.3855	0.2035	-0.2245	-0.3715	0.2585	-0.2755	0.3325	-0.4865	-0.6705	-0.6225	-0.0415	-0.7705	-0.2995	0.1755	-0.3315	-0.0475	-0.0995	-0.1295	-0.8515	-0.0745	-0.4875	-0.3905	-0.1575
IGBP1	697647	-1.1085	-0.3715	0.2285	0.7035	1.2755	-0.6445	-1.6905	-0.0795	0.9975	-3.2035	0.4255	1.0745	0.1955	-2.0795	-1.5925	-0.9475	-2.8775	-0.1335	-1.9675	-0.7535	0.7545	0.9295	0.3255	-2.2925	-1.1285	-1.6495	-1.7075	-2.2705
IGFALS	692644	0.2735	-0.0635	-0.1035	-0.5025	1.0345	0.1285	-0.4395	-0.3935	-0.2325	0.8605	-0.2215	0.6535	-0.0005	0.4875	1.1665	0.0395	-0.3075	2.2825	2.2955	2.5295	1.3315	-0.2015	-0.2125	0.2275	0.4875	0.0905	-0.4585	-0.4225
IGFBP2	689980	0.4005	0.0865	-0.0105	-0.6395	0.4215	0.0575	-0.3465	-0.3055	-0.3035	0.7705	-0.1175	0.7745	-0.2005	0.3705	0.7555	-0.0915	-0.0005	1.6135	2.1705	2.6525	1.3385	-0.0885	0.0555	-0.2465	0.1145	-0.1395	-0.2485	-0.2695
IGHG1	682030	0.2385	1.0085	-2.0475	-2.4645	-1.8445	-0.5605	0.9165	-2.4315	-1.4565	-0.8625	-0.9345	-0.5895	-0.3885	0.5335	-0.8435	-1.6215	-0.4995	1.9135	3.9695	1.9275	0.4585	1.9055	-1.0715	-0.6645	-2.1675	-0.3015	-1.6325	-1.9315
IGHG1	696457	-0.791	0.101	-1.085	-1.297	-0.801	0.178	1.137	-1.186	-0.724	1.229	-0.268	0.951	-0.203	-0.453	-0.21	-0.369	-1.426	3.139	3.131	3.203	0.859	1.984	-0.746	0.432	-0.647	-1.116	-1.122	-1.257
IGJ	687674	-0.829	0.14	-2.268	0.134	1.153	-0.268	1.087	-1.199	-1.773	-0.452	-0.629	0.983	-0.7	0.017	0.68	-0.425	-1.02	1.509	2.315	1.859	0.069	-0.673	-0.399	-0.848	-0.047	-1.154	-1.692	-1.758
IGKC	690921	-0.139	0.371	-0.263	0.362	-0.301	0.078	-0.211	-0.812	-0.525	0.644	-0.393	1.045	-0.36	-0.611	-0.373	-0.551	-0.714	1.713	2.732	2.12	0.322	-0.358	-0.29	-0.801	-0.078	-0.281	-0.594	-0.456
IGKC	691031	-0.957	-0.034	-1.581	0.092	0.779	-0.562	0.196	-0.807	-0.748	0.041	-0.261	1.806	-1.002	0.561	0.033	-0.666	-1.036	1.324	4.315	3.788	0.318	-0.27	-0.036	0.583	-0.658	-0.286	-1.233	-1.487
IGLC2	682716	0.8155	0.6445	0.4925	0.8185	-0.1645	0.4285	0.6475	0.2975	0.1685	-0.1825	1.5175	1.4805	0.2655	1.3485	0.2005	1.2485	0.5295	0.3965	0.3535	1.8375	-0.0835	-0.2915	0.1595	-0.6495	-0.7045	-0.5575	-1.2085	-0.7925
IGLL1	691836	1.3175	-0.1425	0.0525	-0.3055	-0.6975	-0.2225	-0.2555	-0.3125	-0.3405	-0.3685	0.2965	-0.6985	-0.1445	0.1765	0.1635	0.1485	1.0445	-0.1925	-0.3385	0.1745	0.2255	-0.0995	0.0405	0.8045	4.6325	-0.1485	-0.1685	0.2195
IL13RA1	697838	0.814	-0.349	-0.268	0.589	0.245	-0.167	-0.393	-0.067	0.06	-0.133	0.017	-0.033	-0.134	0.025	-0.2	-0.405	-0.411	-0.074	0.386	0.139	0.871	0.245	-0.007	-0.3	1.726	0.037	-0.209	1.654
IL17B	685612	0.0395	-1.1795	-0.4735	-1.3675	-1.4635	-1.2715	-2.2415	-1.6725	-0.0145	-1.1195	-1.1215	-0.4665	-1.7185	-0.9165	-1.4105	-0.6335	-1.1695	-1.0495	-0.6935	-0.6585	0.3315	-0.1575	-0.1895	-1.6455	-1.4415	-1.0005	-1.9295	-1.2345
IL23A	690046	-0.1095	0.2495	0.0425	-0.0975	0.4975	0.0625	0.6155	0.1565	-0.0415	-0.5955	0.3945	0.2495	-0.0955	-0.2925	0.2335	-0.1335	0.0045	-0.0345	-0.0505	-0.0845	-0.2345	0.1775	0.5825	0.4445	0.3655	0.4255	0.9015	0.5095
IL6ST	690686	0.5775	0.2385	-0.5855	-0.6035	-0.4525	-0.4775	0.9825	-0.4245	-0.6105	0.8505	1.3655	0.8415	0.4985	1.3265	-0.4105	0.6435	0.6985	-1.0025	-1.1295	-0.2735	0.3915	0.5845	0.7035	2.7245	0.3125	1.2465	1.0865	1.4485
ILF2	681204	-0.055	-0.232	-0.131	-0.008	0.233	0.11	0.008	-0.342	-0.666	-0.356	-0.302	0.072	-0.012	0.291	-0.34	-0.21	0.402	0.77	-0.069	-0.345	-0.75	-0.359	-0.356	-0.413	-0.505	-0.791	-0.37	0.216
IMPA2	690416	1.1075	1.0415	-1.2335	-1.0975	0.3795	-0.7635	1.0365	0.7995	-1.2975	1.6185	1.4355	0.2465	-1.5755	0.4045	-0.0805	0.7685	1.1005	-2.2795	0.4895	2.1145	-0.8805	-0.4895	0.8625	1.8845	0.0685	0.4365	0.4995	3.0795
ING1L	681976	0.598	-0.874	-0.481	-0.935	0.575	0.425	0.22	-0.457	-0.191	-1.251	-0.183	0.443	0.242	-1.364	-1.086	0.211	-0.531	1.244	-0.403	0.658	0.114	0.058	-0.023	-1.876	-1.459	-1.689	-2.772	-1.896
INHBB	695995	-0.3405	-0.2575	1.9825	0.2045	-0.3985	1.1165	-0.2295	2.1765	3.2855	0.0555	0.5625	2.3565	-0.0615	0.1675	-0.1265	-0.5025	0.0015	-0.3025	0.3075	-0.0455	0.2215	0.2545	0.1075	0.2325	0.6465	-0.3335	-0.1115	0.1015
INPP4B	685012	-0.3965	0.3025	-1.3845	-0.5185	-1.8855	-0.3325	0.2395	0.0035	0.2675	-1.8425	-0.1365	0.4355	-0.3375	-1.3015	-0.3865	0.5595	0.2935	-1.3745	-0.0985	-0.0585	-0.0035	0.9155	1.7055	-0.2965	0.5475	0.5365	0.9465	-0.1185
INSM1	693435	1.807	0.307	-0.106	0.481	0.938	0.672	0.904	0.201	-0.062	-0.413	0.487	0.722	1.121	-0.764	-0.256	0.551	0.012	-0.229	0.139	0.756	-0.439	0.474	0.838	-0.731	-0.077	0.128	-0.325	0.222
IQCA	692963	0.397	0.907	-1.909	1.395	0.01	-0.297	0.609	0.96	-0.795	0.601	0.003	0.202	0.679	0.461	-1.248	-0.418	-0.448	-0.148	0.307	-0.076	-0.017	0.347	-0.452	-2.536	-1.344	-1.484	-1.787	-2.472
IQCE	687430	-0.442	-0.28	-0.483	-0.262	0.555	-0.035	0.605	-0.987	-0.131	0.217	0.37	0.243	0.218	0.446	0.198	0.256	0.002	0.951	2.298	1.137	0.991	0.29	0.712	1.021	-0.198	0.727	-0.353	0.265
IQGAP2	697172	-0.5085	-0.0325	-0.3675	0.2005	0.5585	0.1745	1.1395	-0.2935	-0.6905	0.5365	0.2545	0.3415	0.2795	0.1135	-0.0425	-0.1975	-0.3325	2.1845	2.6245	2.5675	2.2115	-0.0975	-0.3625	0.8695	0.3875	0.9435	-0.2895	-0.6045
IRF4	690581	3.0015	2.5245	-0.0855	2.5045	-2.2345	2.1385	-0.5515	0.8705	1.8365	2.4685	-1.3975	-0.7185	2.4685	-2.0175	1.1145	-0.2955	2.1855	-0.5405	0.6025	-2.6615	0.6505	-0.6545	-1.2775	-1.8435	2.7385	-0.7295	2.8515	3.0585
IRTA2	686673	-0.699	-0.914	1.184	0.419	0.109	-1.047	0.091	0.608	1.283	-0.048	0.942	1.307	1.59	0.484	0.473	-0.165	0.219	0.873	1.122	0.625	1.588	-0.792	0.323	0.249	0.039	0.491	-0.684	2.44
IRX4	682616	0.1515	0.0205	-0.1105	0.8115	-0.6805	-0.9475	-0.4745	0.5285	1.0685	-0.7005	0.3035	1.0735	-0.4675	0.0515	-0.3045	0.3815	-0.1515	0.6025	0.3415	-0.0195	0.6185	-0.1865	-0.1735	0.7295	-0.2475	0.6895	-0.2545	0.3525
ISG20	689588	-0.045	0.108	-1.098	0.51	0.797	0.359	-0.046	-1.27	-1.06	0.461	-1.103	-0.81	-1.04	-0.449	0.561	4.497	1.548	-0.234	-0.239	0.473	-0.526	-0.995	0.522	0.837	-0.22	-1.205	-2.303	0.45
ISGF3G	684521	-0.599	-0.214	-0.989	0.052	2.62	-0.001	-1.119	-0.175	-0.275	-0.849	-1.973	-0.856	-2.209	-2.039	-1.143	-0.953	-0.763	-0.106	-0.573	-1.188	1.909	-0.601	-1.396	-2.538	-1.218	-1.936	-2.062	-0.542
ITGB4	692936	-0.113	-0.323	-0.069	0.54	0.209	0.012	-0.926	0.004	0.293	-0.467	-0.413	-0.771	1.099	-0.335	-0.285	-0.442	-0.631	0.057	-0.248	0.391	0.623	0.011	1.477	0.839	2.818	0.64	0.495	2.023
ITPR1	690279	-2.01	-3.582	-1.452	0.636	-3.219	0.114	-0.843	-0.552	0.089	-2.405	-1.197	0.445	-0.185	-2.875	0.705	-0.838	-3.826	0.53	-0.108	-2.394	0.157	0.163	-0.006	-0.28	-2.491	0.101	-1.132	-2.445
JARID1A	694283	0.673	0.007	-1.088	-1.197	0.27	0.496	0.088	0.166	0.189	0.037	0.7	0.4	-0.01	-0.169	0.557	-0.154	0.144	0.01	0.058	-0.417	-0.179	0.318	0.983	0.206	0.965	-0.272	0.577	0.153
KARCA1	692006	-0.21	0.021	0.661	-0.095	0.069	-0.396	0.27	0.201	-0.314	-0.003	0.178	0.238	0.319	0.283	0.218	0.16	0.129	0.232	0.274	-0.444	-0.034	0.092	0.123	0.216	-0.32	0.162	0.202	-0.396
KATNA1	692605	0.2335	0.3525	-0.2765	-0.2625	-0.5325	0.1935	0.8275	0.3685	0.0755	-0.0855	-0.3975	-0.6535	-0.1345	-0.4135	0.9855	0.1085	0.2985	-0.3805	-0.6765	0.4525	0.0455	0.2085	0.0605	-0.0205	-0.0695	0.2685	0.1145	0.0225
KCNC2	686570	0.043	-0.232	0.607	-0.063	-0.086	0.138	-0.074	0.032	-0.148	0.356	-0.5	-0.002	0.506	0.117	-0.345	-0.316	-0.802	0.323	0.636	0.912	-0.209	0.026	-0.198	-0.295	-0.357	0.149	-0.252	-0.245
KCND2	683134	1.423	0.907	-1.181	-0.315	0.916	-0.558	-0.79	-0.845	-0.094	-0.101	0.298	0.607	0.987	-0.066	0.622	-0.625	0.338	-1.051	0.094	1.692	0.669	0.207	-0.542	0.945	2.988	1.849	2.583	0.335
KCNK4	691761	0.111	1.142	0.475	0.415	0.795	-0.151	1.606	0.525	1.169	1.107	2.15	1.119	-0.493	-0.031	0.01	0.404	1.911	1.132	0.708	1.974	-0.511	-0.436	-0.349	-0.301	-0.937	-0.577	1.505	-1.425
KCNN4	692275	1.4125	-0.4895	-1.2055	-0.2815	0.8175	-0.3085	0.8495	-0.9585	-0.5255	0.6305	0.4085	0.3915	0.8905	-0.1335	-0.5885	-0.1215	-0.6275	-0.6505	-1.0185	0.6665	0.3625	-0.0885	0.3755	0.3285	1.3435	1.6875	-0.4495	1.8065
KCNS3	681093	-0.2175	-1.1895	-0.3655	-1.8155	-1.3705	0.8215	-0.0855	0.2015	0.8315	-0.4465	-0.1645	-1.1475	-0.7545	-1.0615	0.5945	-0.0125	-1.4505	-0.9625	-0.5325	-0.1885	0.0445	0.0895	0.4195	-1.3615	-0.7355	-0.3505	-1.2375	-0.7375
KCTD15	689199	2.233	1.26	-0.079	1.047	0.015	0.506	1.575	0.964	1.643	0.711	0.806	0.945	0.24	-0.132	0.426	1.277	0.639	-0.651	0.843	0.807	-0.5	0.027	0.822	0.101	-0.893	0.409	0.612	-0.264
KCTD3	686312	-0.802	0.207	-0.201	-0.698	-0.463	0.269	0.065	-0.282	0.184	0.635	1.229	0.443	0.872	-0.111	0.824	0.011	-0.154	-0.054	-0.125	-0.324	0.256	-0.04	-0.35	0.736	-0.054	0.646	1.545	0.765
KDELR2	697248	-0.91	-0.707	0.406	-0.137	-1.003	0.315	0.233	-0.31	0.153	0.869	0.663	0.237	1.124	1.044	1.153	0.358	0.638	0.577	-0.276	-0.688	-0.587	-0.271	0.276	-0.32	-0.981	-1.137	0.002	0.687
KIAA0020	696703	0.424	0.194	-0.045	1.039	1.169	0.25	0.757	0.306	-0.388	0.459	0.229	0.511	1.262	0.674	0.858	-0.102	-0.138	-0.701	0.005	-0.569	0.459	0.113	-0.041	0.146	0.881	0.328	0.148	0.322
KIAA0101	691153	0.6725	0.6715	-0.5975	0.6645	2.0505	1.6975	1.2835	0.8595	1.3405	-0.1585	-0.4685	-0.3935	0.8575	1.0915	0.8765	0.2915	-0.5085	1.4355	0.1525	1.1755	0.2895	0.9485	-0.4405	-0.0075	0.1655	-0.9665	-0.3575	-1.3235
KIAA0153	694689	-0.4955	0.0215	1.0645	-0.8385	-0.5535	-0.0345	-0.1125	0.9155	-0.6105	-0.4255	1.3225	0.5865	0.1695	-0.9195	0.6125	0.2425	0.1505	0.4485	0.3575	-0.7815	-0.1065	0.0955	-0.0015	-0.5045	0.1215	0.0685	-0.8315	-0.6145
KIAA0182	691550	0.2735	0.6735	0.0055	0.9585	0.0925	0.4345	1.3075	-0.0235	0.7655	0.2085	1.1315	0.6935	0.9225	0.7025	0.7645	0.6565	0.9715	0.3245	0.2155	1.1715	-0.0665	0.5315	0.2275	0.4455	0.2335	-0.3075	0.8795	0.5455
KIAA0196	685973	0.5195	0.7405	-0.0275	0.3535	0.7015	0.2895	1.3765	0.2965	0.8745	0.7245	-0.1875	-0.4215	0.3445	0.1645	-0.4375	-0.0655	-0.2925	0.2515	0.3495	0.1665	0.1065	0.9335	-0.1365	-0.5185	0.1045	-0.0245	-0.9495	-0.3995
KIAA0241	692587	-0.415	0.352	-0.938	-1.035	0.657	-0.156	0.107	-0.282	-0.28	0.255	-0.37	-0.659	-0.008	0.152	-0.16	0.068	0.175	0.025	0.506	-0.292	0.104	-0.023	0.184	-0.064	-0.008	-0.653	0.184	0.431
KIAA0251	682227	0.1705	-0.0425	0.3845	1.8105	0.2425	0.7655	0.0145	-0.0495	0.3065	-0.2195	0.2675	0.3465	0.4005	-0.0635	-0.2345	0.0715	0.0175	0.3425	-0.1025	0.6585	0.3085	-0.6365	-0.3875	0.3535	0.2525	0.1395	-0.0345	0.0745
KIAA0274	683166	0.356	0.021	-0.243	0.254	-3.305	-0.162	-0.354	-0.114	-1.105	-1.676	-1.319	-0.972	-1.031	-2.89	-0.836	-0.682	-1.113	-0.819	-0.11	-0.544	0.564	-0.348	-0.716	-2.925	0.43	0.041	-0.727	-0.002
KIAA0515	688133	-0.2465	0.0915	-0.8705	-1.4525	1.4405	-0.1535	0.0165	-0.2885	0.7015	-0.0635	0.3925	-0.0945	-0.1355	-0.4715	-0.4445	0.0205	0.3675	0.5025	0.5435	0.7585	1.2835	-0.0205	-0.8985	0.9125	0.0415	0.1525	0.8775	0.2815
KIAA0582	697645	2.2655	1.1585	-0.5235	0.3595	0.0685	0.5905	1.2685	-0.7185	0.3285	-0.0555	0.0035	0.6755	0.5715	-0.5785	0.2455	-0.1845	-0.9445	0.2485	0.3715	1.7785	-0.0285	-0.3765	0.4905	-0.0035	0.3005	-0.3685	-1.1765	-0.9115
KIAA0650	684609	-0.4895	0.2435	-0.0535	0.5935	-1.2135	-0.0855	-1.0835	-0.1425	-0.1335	1.6215	-0.3295	-0.2455	-0.0385	-0.2615	0.0645	1.1665	0.6665	-0.3645	0.6595	0.7925	-0.4255	0.1145	-0.0285	0.5925	1.3995	-0.2015	-0.4585	1.1335
KIAA0703	684139	-0.473	0.343	-2.261	-0.779	0.038	0.887	0.101	1.214	-0.533	-1.983	-0.319	-0.43	0.824	-0.751	-0.684	0.002	-1.199	-0.89	0.478	0.111	0.326	0.987	1.11	-0.189	0.601	0.489	0.071	1.147
KIAA0830	692561	1.0795	-0.3275	-1.7895	1.5125	0.8325	-0.0515	0.3935	-1.0875	0.7635	-0.9595	-0.5725	0.4285	0.8005	1.0925	-1.8265	-1.0765	-0.3535	-0.4575	-0.9995	-0.0545	0.1755	0.0195	-0.1575	-2.9265	-0.8985	-0.2925	-1.3405	-2.8245
KIAA0980	686300	0.9675	0.0185	0.3045	0.3885	-0.0345	-0.2945	0.2215	0.0755	0.3825	0.6785	0.0605	0.1695	1.5525	1.3475	-0.9895	-0.0165	0.5385	0.2535	0.1965	1.2005	-0.6595	-0.2785	0.4965	-1.0655	-1.1735	-0.0915	-0.7605	-0.4275
KIAA1324	690969	-0.23	1.556	-0.121	0.235	1.074	-0.381	0.489	-0.145	0.303	-0.74	-0.123	-0.297	-0.28	0.342	-0.204	-0.299	-0.157	-0.39	-0.166	0.809	0.489	0.345	-0.318	-0.788	-0.606	-0.294	0.066	-0.15
KIAA1363	696389	0.152	-1.18	0.935	0.388	1.229	0.833	1.403	-1.184	0.095	-1.387	-1.147	-0.334	-0.059	-0.003	-1.14	-0.523	-1.385	0.548	-0.125	-0.521	-0.438	-1.008	-1.108	-1.615	-1.146	-1.387	-0.696	-0.634
KIAA1683	684555	-1.2465	-0.1645	-0.4835	-0.6345	-0.5795	-0.2025	1.1555	0.4245	0.5925	0.4905	0.2905	-0.0015	1.2865	0.1165	0.5965	0.2155	-0.0955	0.8615	-1.4445	-0.4405	0.0695	-0.0665	-0.2515	0.6065	-0.5055	-0.1385	0.5985	0.6985

Table 18.

Sample		9830-0100	BC00030-I	030222-M	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-M	BC00035T	BR01-0123	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-1085	UB49	BC00070	UB-116	PB377	BR97-0137	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
KIF13B	689768 || P	0.0705	-0.3995	-0.4865	0.2645	0.2555	-0.2985	-0.0985	-0.5595	-0.1485	0.3975	-0.3245	-0.2525	0.1545	-0.7605	-0.2315	0.2695	0.3605	-0.4805	-0.4285	0.5405	-0.1075	0.2545	0.8455	0.2155	0.6545	0.1695	1.1715	1.7345
KIF24	692033 || P	-0.0475	-0.5205	0.8865	0.4405	-0.0955	0.0455	0.1445	0.0595	-0.0495	-0.1245	-0.3835	0.1925	0.1505	-0.0905	0.1505	-0.0695	-0.2865	0.2825	0.4425	-0.1565	0.3445	0.2695	0.0605	-0.1155	0.1385	0.0765	-0.2045	-0.3685
KIN	687329 || P	-0.1375	0.2835	-2.2545	-2.1685	-0.9355	-1.4505	-1.7115	0.1415	-0.5845	-0.5205	0.0005	0.1005	-0.8055	-2.3375	-1.1305	-0.5445	-1.4175	-1.7205	-0.8375	0.0265	0.2595	0.9255	1.2005	0.1135	0.4955	2.1445	3.1315	3.9855
KIRREL3	693623 || P	1.4145	2.6135	-0.2295	-0.2225	-0.7995	-0.4695	-0.3845	-0.2755	-0.5335	-0.6735	-0.1245	-0.4355	0.3065	-0.5005	-0.6545	-0.4495	2.4355	-0.5995	-0.2175	1.0415	0.3125	0.7775	-0.7755	1.4965	2.5425	-0.4555	2.2755	-0.4305
KIT	692519 || P	1.4705	3.7875	1.1255	0.1185	-0.6915	-1.5775	2.0695	0.0085	-1.9145	-1.7715	-0.5295	-0.6925	-1.2925	-0.5505	-0.2825	-0.4755	5.2335	-1.1995	-0.9515	1.1045	-0.6705	1.4815	-1.3335	1.5805	3.3525	-1.5145	4.6975	0.6325
KLK5	693542 || P	1.984	1.136	-0.605	-0.482	-0.782	-0.445	1.852	-0.598	-0.587	-0.743	-0.116	-0.415	-0.181	-0.295	-0.293	-0.288	0.213	-0.573	-1.019	1.703	0.603	0.757	-0.648	0.967	3.593	-0.558	2.628	0.22
KLK6	684796 || P	1.407	0.358	0.171	-0.107	-0.314	-0.932	0.702	-0.569	-0.811	-1.117	0.488	-0.439	-1.015	-1.459	-0.548	-0.503	3.767	-0.897	-0.789	0.241	-0.297	0.088	-0.278	1.491	2.727	0.162	2.758	-0.394
KLK7	695767 || P	0.321	-0.58	-0.059	-0.792	-0.237	0.125	0.081	0.182	0.514	0.799	0.735	0.282	0.261	0.078	0.294	-0.078	1.652	0.86	-0.24	0.015	0.447	-0.341	-0.259	1.55	0.557	1.232	1.854	1.059
KLK8	688892 || P	-0.4155	0.1135	0.2815	-0.6155	-0.4775	1.2375	0.7005	0.3435	0.2225	0.1455	0.5245	-0.2325	-0.0875	1.1525	0.6655	0.8235	0.2005	0.6035	0.0425	1.5315	0.0025	-0.1745	0.7925	0.4825	-0.0025	-0.2115	0.7915	0.5535
KNTC2	694720 || P	-0.508	2.27	1.272	0.831	0.518	-0.043	3.528	0.335	0.148	2.184	1.644	1.889	1.716	0.15	2.049	3.055	0.643	0.581	0.594	1.372	-1.089	0.634	0.637	1.08	-0.465	-0.212	1.3	2.048
KPNA2	689153 || P	-0.0205	-0.2545	-1.1115	-1.4335	-0.0055	-0.5575	0.4915	-0.3605	-0.7405	-0.3225	-0.8065	-1.2615	-1.1765	-0.1635	-0.5075	0.0375	-0.0655	-0.4125	2.2135	-0.0725	-0.3835	-0.3865	1.9885	-0.2625	-0.3375	-0.5425	-0.8205	-0.1565
KREMEN2	687365 || P	2.0475	-0.4125	-0.6665	-0.8665	-1.2185	-0.3305	-0.8525	-1.3935	-1.2725	-1.1425	-0.8175	-0.4995	-1.0445	0.0745	-1.0195	-0.3455	0.4545	-1.0305	1.2985	0.5035	0.6045	1.9055	0.7365	1.4075	3.1975	-1.4105	-0.0745	-0.3165
KRT10	694359 || P	1.8385	-0.5915	-0.2215	-0.9515	-1.2535	-0.4065	-1.2505	-1.4765	-1.9135	-1.4225	-1.3805	-0.9985	-1.1235	0.2855	-1.3685	-0.4535	0.0355	-1.5685	1.3475	0.6025	0.5775	2.3085	0.6285	1.9465	3.2955	-0.9035	-0.1915	-0.9345
KRT13	696433 || P	1.257	0.619	-1.153	-2.243	-1.556	-2.427	-1.577	-0.298	-1.345	-1.056	-0.372	-2.097	-0.178	-0.854	0.305	0.79	1.274	-1.455	-1.415	1	0.651	-0.89	-1.392	4.039	3.936	-1.357	2.29	2.203
KRT15	694764 || P	-0.675	-0.77	1.028	0.42	0.313	0.799	-0.252	0.169	1.359	0.111	0.75	0.864	0.598	0.405	-0.12	-0.218	0.355	0.286	1.935	-0.049	-0.12	0.312	-0.249	-0.542	-0.267	-1.296	0.466	-1.273
KRT17	690706 || P	1.2475	1.3025	-0.5705	-1.8585	-2.4415	-3.3465	-1.8185	-2.4195	-3.1105	-3.3015	-0.4985	-0.4495	-2.5715	-1.5615	1.0525	-0.4335	-1.1875	-2.1235	3.1265	4.2695	0.6325	0.3815	4.5035	2.1735	4.1285	1.4425	1.8065	-1.6325
KRT18	689283 || P	2.21	0.392	-2.773	-2.703	-0.883	-2.294	-2.283	0.374	-2.294	-2.243	-0.961	-2.643	-1.318	-2.174	-0.858	0.334	2.024	-2.602	-3.098	1.536	1.845	-1.187	-2.511	0.523	4.02	0.215	1.885	3.309
KRT23	689763 || P	-0.0305	-0.1625	0.2455	-0.0805	-0.2805	-0.1885	0.1005	-0.1845	-0.2345	0.1475	-0.0335	-0.0625	0.1715	0.1595	-0.0845	0.0065	-0.0465	0.0015	-0.4835	-0.3345	-0.0385	-0.0465	-0.1425	0.2695	-0.2745	0.1485	-0.1015	0.0585
KRT6B	696954 || P	-0.015	-0.143	0.303	0.334	-0.079	0.082	0.047	0.024	-0.111	0.062	-0.168	0.319	-0.278	-0.123	-0.244	-0.124	-0.158	-0.08	0.089	0.211	-0.087	0.359	0.21	-0.095	-0.637	-0.019	-0.08	0.373
KRTAP3-3	684073 || P	0.2315	-0.7065	-0.3845	-1.5675	-0.5955	-1.4175	-1.6955	-0.8495	-0.5805	-1.5635	-1.0005	-2.1295	-0.4225	-1.1045	-1.0765	-0.9255	0.2125	-1.3315	-1.0005	-2.3315	0.1545	-0.2245	-0.9495	-1.1715	0.9675	-1.7395	-1.5895	-1.2495
KRTHA7	683234 || P	1.0245	-0.0485	-0.6505	-2.5425	0.2345	0.0445	-1.1555	-0.5455	1.8045	-2.2655	-0.6055	-0.6685	-0.4655	-1.4055	-0.5355	0.2545	1.2345	-1.7655	-2.9055	0.1045	-0.1655	-0.0425	0.2845	0.9045	3.7845	-0.8475	-1.6665	1.4475
LAMA3	689785 || L	0.5	-0.502	-0.13	-0.771	1.328	0.308	1.524	-0.026	0.762	-1.282	-0.029	0.622	-0.256	-0.123	0.273	-0.171	-0.416	0.543	-0.424	-0.743	-0.123	0.135	0.164	-0.233	-0.476	0.429	-0.938	-0.422
LAMB3	764691 || L	0.088	-0.208	0.064	-0.407	0.093	0.054	0.747	-0.254	-0.389	0.577	-0.261	0.216	0.099	0.512	0.494	-0.218	-0.295	0.488	1.844	2.164	1.148	-0.12	-0.145	-0.011	-0.483	-0.134	-0.242	-0.481
LASS2	695705 || L	0.0995	0.5735	-0.5545	-0.6905	-1.2105	1.1405	2.3665	-0.1505	-0.2075	-0.7435	0.2805	0.0085	-1.3655	0.2795	0.0025	0.3505	0.9425	0.2795	0.4435	-0.5985	0.5385	-0.2825	-0.5555	0.7345	0.5685	0.1795	0.0265	0.4235
LAX	682590 || L	-0.1245	-1.6795	-1.2305	0.4275	-1.9145	-0.9105	-0.1695	-1.2775	1.1175	1.2895	-0.8015	-0.1355	-0.7535	-0.4945	-0.7915	1.0295	0.3475	0.6135	-0.7575	1.1145	1.5795	0.8235	-1.5035	1.3875	0.1165	-1.6825	0.8535	1.9295
LBR	681309 || L	-0.0345	1.6895	-0.6025	-0.6925	-1.6975	0.3125	-1.5175	1.1585	-0.2835	-0.2845	1.2995	-0.9945	-0.8485	-0.8035	1.0975	-0.1105	-1.3975	0.3195	0.0575	-0.6825	0.2665	0.0975	-1.2155	-0.1145	1.8345	2.8125	2.7095	1.6395
LCE1B	693796 || L	0.1125	0.2555	-0.0015	-0.4835	0.9975	0.2695	-0.1595	0.6155	-0.6415	-0.3295	-0.0585	0.1035	-1.3885	-1.5635	0.0045	-0.1585	-0.4615	0.0175	0.1535	-0.4095	-0.1845	-0.7415	-0.9695	-0.6535	0.1065	-1.0985	-0.4965	-0.0155
LDHB	683774 || L	-0.353	-0.365	-0.379	0.098	-0.598	-0.393	-0.765	-0.238	0.053	0.636	-0.336	-0.939	-0.661	-0.64	0.369	-0.441	-0.563	-0.361	-0.073	-0.78	0.272	-0.003	-0.374	-0.068	0.052	-0.213	-0.386	-0.328
LDOC1L	692299 || L	2.896	0.203	-0.988	2.649	0.007	1.902	0.767	1.797	2.76	-0.143	-0.569	0.51	0.255	-0.268	-1.159	0.013	0.451	1.356	-1.143	0.195	-0.316	-0.704	-1.001	-1.425	-0.333	-0.894	-1.173	-1.723
LETMD1	682701 || L	0.9575	0.3575	-1.2555	-1.6695	-1.6415	0.0125	-0.0125	-0.9015	-1.0675	0.1525	1.2125	-0.1095	-1.0325	0.0335	0.3435	-0.3725	-0.8095	0.7545	1.6595	-0.9375	2.9945	1.2535	0.5375	-0.2055	0.9435	0.9595	-0.1955	-0.8445
LFNG	663275 || L	0.306	-0.235	-0.638	-0.529	0.11	-0.022	0.416	-0.079	-0.048	0.084	-0.888	-0.616	-1.796	-0.673	0.629	-0.321	-0.628	-0.807	-0.556	-0.427	0.094	0.1	0.761	-0.183	0.455	0.422	-0.106	-0.177
LGALS2	696910 || L	0.714	-0.466	0.112	0.092	1.385	1.045	-0.101	0.256	0.137	0.459	-0.051	-0.448	0.473	-0.314	-0.276	-0.954	-0.049	0.096	-0.156	0.165	-0.7	-0.398	-0.609	-0.717	-1.094	-1.553	-0.624	-0.969
LGTN	694133 || L	-0.592	-1.426	0.378	0.006	-0.344	-0.857	-0.547	-0.638	-0.758	-1.82	-1.351	-1.634	-0.142	-1.309	-1.755	-0.043	-1.545	-0.639	-1.423	-0.49	0.136	0.385	0.768	-0.589	0.661	0.393	-1.194	-1.13
LNX	686768 || L	-0.4465	-0.1225	-0.9415	-0.6895	0.2435	-0.2615	0.0855	-0.7025	-0.2765	-0.4245	-0.6995	-0.2925	-1.6095	-1.5185	-0.8295	-0.8525	-1.2535	0.5955	-0.4945	0.5835	-0.8065	-0.7135	-1.0845	-1.1155	-0.2075	0.6525	-0.3785	0.0175
LOC112478	687612 || L	-0.452	0.603	-0.124	0.859	1.236	0.7	1.215	1.333	-0.049	0.191	0.757	1.186	1.065	0.275	-0.005	-0.248	-0.237	0.243	0.114	-0.977	-0.135	-0.096	0.092	-0.382	-1.056	-0.687	0.571	-1.245
LOC114924	691604 || L	-0.366	-0.329	-1.188	0.593	0.611	0.417	1.005	-0.422	-1.403	-0.657	-0.239	-0.369	-0.02	-0.541	-0.442	0.357	0.181	-0.191	-0.57	0.147	0.309	-0.277	-0.271	-0.958	-1.259	-1.264	0.695	-0.185
LOC114979	691287 || L	-0.1265	-0.1705	0.1055	0.0505	-0.4855	-0.1735	0.0355	-0.3505	-0.6555	-0.4035	0.0695	0.0395	0.1865	0.0735	-0.3145	-0.2085	-0.1825	-0.0085	-0.1885	0.3205	0.1225	-0.1845	-0.5595	0.1395	-0.0935	-0.2165	-0.2755	-0.4195
LOC116218	686452 || L	2.8975	-0.3805	1.5915	2.6325	1.5635	1.7225	3.4515	1.3425	0.8055	-1.4805	1.2015	0.7425	2.9965	2.6265	2.6015	2.8805	1.9075	2.7855	2.6845	2.7675	-0.8565	-0.9595	1.8445	-0.3815	-1.7465	-0.6635	-0.9475	-1.8225
LOC116448	695259 || L	1.3565	-0.9535	-1.2735	0.0865	-1.2525	-1.1255	-1.1415	-2.0435	-0.8195	0.3335	0.2035	0.2355	0.1025	0.1345	-0.0075	0.0905	-0.8805	-0.9505	-0.4485	-1.2535	-1.2705	0.1675	-0.7355	-2.6935	-2.9725	-1.7585	-2.9455	-2.5515
LOC120226	693599 || L	-0.4095	-0.1165	-0.2185	0.7555	0.4785	0.1065	-0.2135	0.2165	-0.3525	0.0775	-0.1405	0.2925	-0.0735	0.1625	0.0255	-0.2755	-0.3145	-0.0515	-0.1655	0.0065	0.2225	0.4885	0.1305	-0.0445	0.2615	0.0545	-0.8945	-0.2805
LOC124226	694408 || L	0.4945	0.9305	-0.3245	0.0285	-0.6035	0.1515	0.6965	0.1305	0.2085	0.0005	-1.0235	-1.1885	0.7245	1.0465	-0.6585	-0.1805	-0.3555	-0.4785	-0.4485	0.5805	0.9765	1.2195	0.4155	0.0435	-0.2565	-0.1015	-0.0345	-0.1065
LOC14654	687013 || L	0.011	0.449	0.095	-0.458	-0.258	0.531	0.459	1.184	-0.51	0.15	0.036	0.148	-0.058	-0.531	-0.119	-0.479	0.068	1.124	-0.21	-1.077	-0.641	-0.05	-0.06	-2.168	-1.492	-1.289	-2.918	-1.552
LOC15506	683455 || L	1.255	-0.259	0.414	0.37	-0.2	-0.341	0.104	0.216	0.417	2.065	0.409	0.192	-0.519	-0.102	-0.519	-0.247	-0.62	-0.631	0.234	-0.61	-1.03	1.624	-0.219	-0.474	0.198	0.634	-0.173	0.188
LOC20189	694158 || L	-0.1835	2.2055	-0.5895	1.8995	-0.9365	-0.6885	1.1955	-0.7865	3.5895	-0.9325	-0.3405	-1.3055	-0.6215	-0.2795	-1.0105	0.3745	0.4015	-0.4935	1.6585	1.5395	-0.4945	2.4935	-0.9815	-1.0495	-0.9855	1.6055	3.8655	-0.6155
LOC25398	689291 || L	0.687	0.313	1.085	1.549	1.139	0.323	-0.084	0.657	0.625	-0.103	-0.385	0.32	0.348	0.553	0.204	0.437	-0.002	0.529	-0.55	0.673	0.418	0.27	-0.267	0.429	0.432	0.992	0.188	0.156
LOC33990	685185 || L	0.81	-0.338	0.173	0.809	1.288	-0.357	0.028	0.115	0.775	-0.556	-0.254	0.238	0.801	0.703	-0.08	-0.392	-0.855	-0.819	-0.432	1.858	1.116	-0.088	0.149	-1.94	0.079	-0.862	-1.685	-1.355
LOC34817	686995 || L	-0.3385	1.6555	0.0765	0.3015	0.8275	-1.5685	0.0715	-0.4595	0.2475	-0.4345	-0.2805	-0.6445	-1.8615	-1.0585	-0.4105	0.3245	-0.7105	0.1145	-0.4145	1.2405	-0.2115	0.3015	-0.9385	0.6265	0.9685	1.7565	0.2585	0.1355
LOC40045	683489 || L	-0.017	1.31	-0.5	-0.99	-0.087	0.6	-0.207	1.429	1.759	0.328	1.68	0.91	-0.517	-0.302	0.679	1.949	2.153	0.645	-0.204	0.155	-0.38	-0.2	0.223	-0.304	-0.894	-0.71	0.96	-0.81
LOC44089	696169 || L	-0.492	0.526	-0.055	-0.446	-0.627	1.05	0.539	-0.087	-0.813	1.481	0.684	0.487	0.742	-0.415	-0.01	0.596	0.935	0.66	0.617	-0.367	-0.131	0.145	-0.056	0.248	0.055	0.301	-0.266	-0.162
LOC49386	684635 || L	-0.754	-0.962	-1.821	-0.289	-1.815	-0.988	-1.114	-0.731	-0.886	-1.398	-0.905	0.561	-1.644	-1.002	-1.047	-0.335	-0.592	-1.201	-0.95	-0.291	-0.498	0.003	0.497	-0.791	0.057	-0.687	-0.454	-0.69
LOC51123	697781 || L	-0.552	-0.564	-0.809	-0.216	-0.627	0.146	0.006	0.028	-0.227	-0.078	0.251	-0.083	-1.197	0.387	0.516	-0.155	-0.385	0.306	0.332	0.023	0.32	-0.139	0.502	-0.472	-0.307	-0.766	-0.895	-0.018
LOC51181	695670 || L	0.9125	0.9375	0.8365	0.3565	0.4595	-0.5945	-0.9955	-0.1165	0.2925	-1.1185	-0.8275	0.4985	0.0275	0.1225	0.2605	0.5825	0.0845	0.9835	-0.0645	0.6855	0.0275	0.6805	1.2785	-1.0355	-1.1625	-0.9765	-0.5225	-1.7305
LOC51321	694469 || L	-0.7785	-0.2625	1.0255	-0.4785	-0.3255	1.1255	-0.0795	-1.0175	-0.9295	-1.2235	0.3645	-0.0165	-0.3435	-0.6585	-0.5635	-0.9915	0.0125	0.3425	1.0155	-0.7675	0.4465	0.0695	-1.0835	-0.6705	-0.4045	-0.1795	-0.5505	-0.4655
LOC51760	694904 || L	-0.3685	0.5385	-1.1135	0.2445	2.1625	1.1935	0.3635	0.2365	-0.1155	3.9865	1.1845	-0.3985	-0.3135	0.4505	0.4935	-0.2855	2.4365	0.1765	0.0975	-1.0585	-0.8545	-0.1575	0.5135	1.2715	1.1995	0.4365	2.4715	0.1035
LOC81558	682974 || L	-0.398	-0.376	-0.888	0.396	-0.729	-0.731	-0.626	-0.141	-0.123	-1.569	0.232	0.016	-0.684	-2.071	-2.05	-0.931	-0.372	0.428	-1.692	-3.262	-1.013	1.119	-0.683	-1.39	-1.453	-0.95	-0.811	-1.057
LOC81569	695594 || L	0.8165	0.5565	0.0155	0.2115	-0.3925	0.2365	-0.7875	-0.5555	-0.3135	1.3425	0.5605	1.0685	0.2175	-0.2085	-0.0055	0.3745	-0.5785	0.8555	1.3465	0.4225	-0.1475	0.3945	0.4805	-0.0285	0.5095	-0.7405	-1.9405	0.4375
LOC90355	690384 || L	0.225	0.506	-0.066	0.405	0.152	0.836	1.545	-0.083	0.143	0.418	0.298	0.605	-0.121	0.008	0.64	-0.768	-0.195	0.309	-0.682	0.597	-0.649	0.023	-0.548	-0.481	-1.07	0.629	-0.215	-0.265
LOC90701	691788 || L	-0.01	0.685	-1.352	-2.952	-0.418	-1.754	0.656	1.084	-0.909	1.167	0.648	0.828	0.058	-0.032	-0.095	-1.696	0.938	0.758	1.331	1.085	1.765	0.427	-1.714	-1.374	-0.109	-1.158	0.028	0.022
LONP	694535 || L	-0.3675	-0.1375	0.0755	-0.1105	-0.1655	0.5335	-0.6515	-0.4035	-0.3445	0.0315	-0.4535	-0.3195	0.7585	-0.4505	-0.1795	-0.0535	0.9335	0.9795	0.1575	-0.0765	0.0025	-0.4715	-0.8065	-0.6935	-0.0365	-1.4625	-0.4475	-0.5755
LRAP	694401 || L	-0.4585	0.2255	0.4135	-0.2355	-0.4825	0.2455	-0.2285	-0.5525	-0.2495	-1.3425	-0.7105	-0.6035	-0.7875	-0.4765	-0.9945	-0.2095	-0.0935	-0.5965	-0.3655	0.2075	-0.2515	0.3325	-0.4055	-1.9975	-0.4155	-1.2375	-1.2325	-0.2155
LRBA	689006 || L	0.1775	-0.4015	-0.1365	-0.0885	-0.3715	0.1335	-0.7845	-0.3635	0.1435	-1.6025	-1.3225	-0.9955	-0.4275	-1.5095	-0.9305	-1.2755	-1.5025	-1.0525	-0.6585	0.0725	-0.1185	0.2155	0.0415	-0.8185	1.4275	1.1855	1.0115	2.0635
LRIG1	696908 || L	1.5155	0.7295	0.8325	0.0895	0.3935	0.2295	0.9405	-0.4315	-0.5945	1.4255	2.1925	1.0445	0.8785	0.0545	1.1495	1.2455	-0.4265	-0.6675	1.8825	0.9135	0.7715	0.2405	-0.4085	0.0505	0.8295	1.1125	2.2415	1.6535
LRP6	688139 || L	-0.12	0.83	-0.539	0.363	0.455	0.749	0.016	1.465	2.508	-1.323	0.071	-0.641	-1.211	-0.854	0.545	0.318	-0.124	-0.438	-0.622	-0.292	1.271	0.887	0.143	-0.967	-0.695	-0.085	0.483	-1.556
LRP8	684430 || L	0.047	-0.451	-0.359	0.465	0.068	-0.264	-0.782	-0.405	-0.562	0.144	0.662	-0.157	-0.108	-0.985	-0.261	0.175	-0.55	0.079	-0.363	-0.466	-0.166	-0.061	0.176	-1.416	-0.631	-0.663	-0.981	-0.017
LRRC17	689237 || L	-0.3775	-0.2005	-0.1875	-0.0655	0.5685	-0.0215	0.5845	-0.1945	0.4205	0.3535	0.7915	0.5705	-0.1895	-0.3945	0.4205	0.1755	-0.2715	0.4905	-0.0425	0.0635	1.4145	-0.1765	0.7405	0.5625	-0.3585	-0.7975	0.3215	0.1015
LRRC2	695221 || L	-0.4015	-0.1315	-0.2055	-0.5895	-0.2545	0.3175	0.5715	-0.1755	-0.0575	0.2645	0.0855	0.1335	0.6735	0.2945	0.4645	-0.1785	0.3085	-0.1155	0.0295	0.2505	0.0665	-0.0115	-0.1205	-0.5205	-0.2205	-0.3435	0.5465	0.9585
LSM1	693186 || L	1.3535	-0.1325	-2.3325	-0.6065	-1.6415	0.4695	-0.0875	-1.5255	-1.3125	0.7455	0.5595	0.6215	-0.0775	0.6725	-0.6245	-0.8785	-0.7205	0.0555	1.5645	1.6705	3.4265	0.9745	0.1985	1.1635	3.1105	1.6345	-1.2445	0.1705
LSM8	689434 || L	0.416	2.5	-0.115	0.138	-0.009	0.072	-0.136	0.068	-0.04	2.031	0.187	0.46	-0.017	-0.019	0.222	0.144	0.881	0.167	-0.415	1.829	0.162	-0.362	-0.219	1.485	2.181	-0.44	3.505	3.973
LTB	695788 || L	0.173	0.607	-0.128	-0.998	-1.033	-0.185	-0.104	0.795	-0.169	0.528	-0.449	-0.922	-0.434	-0.117	-0.797	-0.145	1.557	-0.49	1.055	1.543	1.047	-0.708	-0.673	0.011	0.864	2.218	-0.891	-0.388
LY6D	688248 || L	-0.795	-0.404	0.169	-0.771	-0.305	0.525	-0.205	0.005	-0.835	0.635	1.225	0.236	0.015	-1.105	0.275	0.415	0.125	1.535	-0.085	-1.035	-0.495	-1.027	-0.535	-0.175	-0.435	-1.484	1.288	1.971
LYN	690653 || L	-0.212	-0.465	-0.018	0.063	0.053	-0.18	-0.645	-0.166	0.124	0.239	-0.267	-0.028	-0.286	-0.791	0.156	-0.032	-0.192	0.301	-0.049	0.28	-0.126	-0.345	-0.834	0.548	0.532	1.394	1.188	-0.551
MAD2L1	684649 || M	-0.135	2.022	-0.122	-0.003	0.967	-0.006	-0.009	0.357	-0.241	2.129	-0.145	-0.11	-0.011	2.719	0.668	0.833	0.377	1.321	-0.072	0.761	-0.33	-0.296	0.372	1.269	0.2	0.092	2.716	0.003
MADP-1	687178 || M	-0.8795	3.4025	1.0175	-0.2995	0.3045	-0.4445	0.1185	0.4265	0.1725	3.4485	0.2125	-0.5895	0.3105	3.9755	0.1365	0.2625	0.2305	0.2525	-0.2205	2.1735	-0.5475	0.1435	0.1885	2.3875	-0.8285	0.9235	4.3895	-0.2305
MAGEA12	696395 || M	0.171	2.81	0.47	0.03	-0.182	-0.189	0.07	0.171	-0.166	2.814	-0.441	-0.14	-0.503	3.16	-0.112	-0.203	-0.1	-0.175	-0.006	1.385	-0.568	-0.01	0.234	1.944	0.562	0.47	3.51	0.22
MAGEA2	696763 || M	-0.7075	3.0785	1.0315	-0.5915	-0.7845	0.2565	-0.6435	0.2045	0.3995	3.4295	0.8905	-0.5795	0.3575	3.9705	0.8945	0.7715	1.1545	2.2035	-0.5595	1.9875	-0.6625	0.4445	0.7425	3.1155	3.7905	-0.2125	5.3005	-0.7795

WO 2007/061876 PCT/US2006/044737

Table 18.

Sample		9830-0100	BC00030-I	030222-MI	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-MI	BC00035T	BR01-0123	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-1083	UB48	BC00070	UB-116	PB377	BR97-0137	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
MAGEA3	669205 || A	-0.2665	0.3505	-0.4595	-0.9265	-0.4875	-0.0825	-0.3395	0.1825	0.2405	-0.9105	-0.4895	-0.4855	0.2475	0.0215	0.7895	0.7385	0.0755	0.2845	-0.3315	-0.5765	0.9305	0.1765	0.0275	1.1645	0.3675	-0.4815	2.7015	1.3195
MAGEA4	690918 || A	0.818	0.682	-0.467	-0.988	-0.787	-0.203	-0.425	-0.788	-0.93	0.541	1.157	-0.269	0.088	0.104	0.125	-0.454	0.36	-0.277	-0.982	-1.111	0.654	-0.075	-1.007	0.671	1.452	0.065	1.583	-0.166
MAGEO4	683069 || A	-0.0495	0.0495	-0.2295	-0.1545	-0.0445	-0.2105	-0.2645	-0.2445	-0.5165	0.2225	-0.1205	-0.6995	0.2625	0.0115	0.1635	0.3855	-0.1625	-0.0135	0.0815	0.9295	0.5315	0.9385	-0.0605	0.1385	0.0945	-0.7935	-0.2115	-0.6755
MAGI1	688247 || A	0.5315	0.9875	2.1345	-1.7875	-0.0765	0.2455	0.5815	0.4955	-1.4895	2.0425	2.9365	2.1215	0.9245	-1.0695	0.4585	0.9595	0.5935	0.9155	0.6605	-0.5685	-0.8855	-0.2395	-0.4585	-1.0415	-0.4285	-0.1895	-1.4495	-2.8025
MAGI-3	692638 || A	0.281	0.043	0.058	0.174	0.003	0.497	0.72	0.192	0.403	0.222	0.268	-0.515	1.202	0.771	-0.536	-0.292	-0.243	-0.206	0.823	1.064	0.907	0.423	0.517	-0.437	0.476	0.889	-0.68	1.487
MAL2	683958 || A	-0.041	-1.084	-1.272	0.802	-1.409	-1.451	1.01	-0.944	1.083	-0.074	1.053	0.73	0.637	-0.924	-0.24	0.773	-0.508	0.562	-1.623	0.582	0.087	-0.698	-0.456	0.585	-0.816	0.224	-1.022	1.786
MAN2B1	690298 || A	2.5065	-0.2125	-0.0435	-0.3535	0.0825	0.5715	0.3855	-0.6775	-0.8785	0.9455	-0.1215	0.9155	-0.2805	0.1585	-0.9465	-0.9745	-0.3675	0.9945	-0.4275	3.9315	0.1225	-0.5595	0.8175	1.3515	3.5975	0.1025	1.1975	0.8155
MAPK8IP2	693222 || A	0.9145	0.5355	-0.8425	3.0705	-0.4555	0.5615	3.2375	2.2235	-0.7665	0.3385	2.0015	1.5955	-0.5235	0.5555	2.6395	-0.5235	0.5605	0.7845	1.5345	0.3995	2.2415	-0.1745	0.1065	0.4895	-0.9065	0.4855	-1.0165	-0.5355
MARCO	691594 || A	1.113	-0.227	0.982	1.615	0.026	-0.46	1.547	0.969	1.938	-0.489	1.174	0.398	1.478	-0.144	-0.982	1.33	1.43	0.848	0.276	-2.178	-1.437	0.164	-1.117	-0.564	-0.605	-0.068	-0.415	-0.599
MARLIN1	687609 || A	-0.763	-0.114	-0.463	-0.384	0.188	0.435	0.206	-0.524	0.562	0.37	0.341	0.154	0.055	0.287	-0.224	0.054	0.285	0.186	-0.31	-0.038	-0.192	-0.211	-0.088	0.811	0.228	-0.011	0.843	0.495
MASS1	687008 || A	-0.3725	-0.4365	0.2245	0.0835	-0.4305	0.6385	0.2825	-0.2225	0.0615	0.0305	0.0885	0.1945	0.4935	1.5945	0.2045	0.2245	-0.4185	0.8355	-0.2445	0.6575	0.0015	-0.1505	-0.1985	0.9155	0.7925	-0.3235	0.3075	0.8025
MCM2	694711 || A	2.4185	2.2155	-0.7305	-1.7145	-1.5055	-0.9265	-1.3075	-1.4375	-1.6885	-0.6505	0.3865	1.7315	2.9855	-1.0195	-0.2065	0.5815	0.4135	-1.3875	1.9735	1.6215	-0.2425	2.1275	-0.0195	0.5845	-0.1625	-0.2125	1.8455	0.5815
MCM3	696856 || A	0.099	0.282	1.001	0.546	1.359	-0.05	0.743	-1.127	-1.58	-0.083	0.568	1.88	0.811	0.684	0.259	0.133	-0.221	-0.022	-1.392	-0.019	-1.417	1.628	0.334	-0.557	0.171	-0.792	-2.273	-0.603
MESP1	697846 || A	-1.1635	1.5935	-1.3085	-0.5375	-0.9435	0.6015	0.3755	1.5885	1.2185	-0.4545	0.2945	-1.8055	-0.3875	-0.4975	0.7995	1.3745	0.7475	-0.0775	-0.2005	0.8175	0.4415	0.0275	-0.0015	0.4595	-0.1625	0.7695	0.4435	-0.6775
METRN	691541 || A	-0.2785	0.2755	0.1315	-0.3725	0.0595	-0.3065	-0.3245	0.0735	-0.0985	-0.4715	0.1835	-0.3305	0.1645	0.2465	0.3275	0.4385	0.3525	0.2305	-0.3465	-0.3065	-0.4855	-0.2255	-0.1525	0.6105	1.3495	0.6275	0.2235	0.1635
MFAP2	682204 || A	1.785	0.211	0.475	0.151	0.366	0.952	0.916	-0.296	0.336	-0.015	-0.217	0.118	-0.13	0.461	0.44	0.337	0.576	-0.166	1.175	0.427	0.928	-0.079	0.269	1.399	0.621	0.308	0.15	-0.111
MFGE8	695022 || A	1.4515	0.1875	0.3535	0.2375	0.0015	0.7645	0.8795	-0.1595	0.3065	0.3865	0.3685	0.6695	0.9095	0.3215	0.3725	0.4955	-0.1475	-0.7105	0.1775	0.4415	0.0955	-0.0625	0.2115	0.5375	0.4075	-0.0685	0.6115	0.6685
MGAT4B	687726 || A	0.284	0.223	-0.062	0.92	-0.208	1.582	0.297	0.614	-0.061	-0.154	-0.312	0.481	0.056	0.182	-0.149	0.385	-0.317	0.435	0.67	1.343	1.61	0.196	-0.001	0.486	0.412	0.734	-0.372	-0.276
MGC1091	690398 || A	0.3345	-0.0065	0.0785	1.4465	-0.6245	2.3105	2.4155	-0.9415	-0.1505	0.2385	0.6485	1.6275	0.8665	0.6405	0.9235	0.5435	1.8125	0.2675	-0.0525	-0.1385	1.0905	-0.0235	0.5175	-0.6405	-1.6555	-0.4115	-1.2365	-2.7635
MGC1098	687879 || A	0.1375	-0.7125	-1.3375	0.0445	0.0535	0.7615	0.8315	0.0085	0.2405	-0.0085	0.1005	0.4975	-0.0135	1.3185	-1.3425	-0.9815	0.0265	0.2755	-0.5355	-0.5545	-0.1025	-0.0645	-0.0635	0.0405	0.3145	-0.4735	-0.4155	4.5525
MGC1124	680903 || A	-0.44	-0.294	-0.184	0.133	-0.69	0.347	-0.296	-0.143	-0.588	-0.386	0.224	0.128	0.425	-0.505	-0.326	0.369	0.002	-0.2	0.165	-0.067	0.082	0.202	-0.363	0.476	0.47	-0.17	0.393	1.129
MGC1127	697307 || A	-0.152	-0.334	0.076	0.292	0.002	0.373	0.053	0.155	0.217	-0.002	-0.062	-0.346	0.833	-0.073	-0.622	-0.902	-0.247	-0.426	-0.441	-0.162	0.447	0.334	1.373	0.424	3.035	0.159	1.9	2.769
MGC1312	695012 || A	-0.249	-0.56	0.663	0.992	-0.538	0.165	0.468	-0.119	0.623	0.048	0.33	0.51	0.427	0.312	0.012	-0.348	0.362	0.233	0.171	-0.407	0.017	0.267	-0.053	-0.502	-0.012	-0.255	-0.387	-1.466
MGC1318	687992 || A	-0.005	-0.636	0.004	0.907	-0.512	0.207	0.076	-0.349	-0.208	0.521	-0.16	-0.024	0.04	-0.225	-0.315	0.223	-0.028	0.057	-0.16	-0.055	0.359	-0.255	0.154	-0.431	0.015	-0.537	-0.367	-0.182
MGC1414	691067 || A	0.2015	-0.0005	0.3065	-0.0085	0.6465	0.2815	-0.4745	0.2115	0.1445	0.4415	1.6255	2.4065	0.6685	-0.0775	0.4315	0.0295	0.4485	-0.1675	-0.1155	-0.3035	-0.0985	-0.2045	-0.3235	0.0585	-0.1335	0.0555	0.3135	0.8095
MGC1428	695016 || A	-0.629	-0.659	-0.852	-0.08	0.12	1.024	0.534	-0.107	0.009	0.14	0.104	-0.142	-0.606	-0.757	-0.94	-0.626	-0.553	-0.268	0.469	0.486	0.184	-0.512	0.36	-0.946	-0.228	-0.768	-0.179	-0.728
MGC1481	693346 || A	-0.363	-0.055	0.227	-0.086	-0.009	-0.346	0.245	0.073	-0.471	0.549	-0.198	0.863	0.116	-0.105	-0.43	0.171	-0.224	-0.04	0.524	2.37	0.572	0.066	-0.495	0.764	1.616	0.182	1.196	2.813
MGC1560	681291 || A	-0.1165	0.3185	-0.0095	-0.7935	0.0425	0.0895	-0.2335	0.3515	-0.0395	-0.0635	-0.1645	-0.0245	0.0905	0.0635	0.1195	0.1465	0.0775	0.4105	-0.0035	0.0275	0.5405	0.0415	-0.3575	0.0925	0.6195	-0.1645	0.2835	-0.1795
MGC1663	695059 || A	-0.055	0.236	-0.534	0.535	0.517	0.854	0.58	0.089	0.347	0.325	0.617	0.754	0.709	0.496	-0.236	-0.781	-0.188	-0.123	-0.258	-0.145	0.166	-0.48	0.477	-0.328	0.093	-0.267	0.459	0.632
MGC1673	684966 || A	-0.285	1.028	-0.276	-0.183	-0.087	0.045	0.209	0.966	0.969	0.203	0.798	0.134	0.522	-0.071	0.932	1.703	1.072	0.193	-0.336	1.644	-0.203	-0.268	-0.048	0.852	2.488	1.642	1.989	2.285
MGC2053	692614 || A	-0.488	-0.726	-0.7	0.003	0.33	-0.473	-1.194	-1.318	0.943	-1.24	-0.743	-1.287	-0.65	-1.535	0.211	-0.357	-0.112	0.848	-1.398	-1.062	-0.842	-0.611	0.024	-1.242	-0.233	-1.311	-0.452	0.23
MGC2398	684508 || A	-0.247	0.756	-0.229	0.103	-0.255	0.582	-0.939	0.285	1.02	1.009	0.357	-0.08	0.654	0.005	1.035	0.969	0.849	0.137	1.167	-0.006	-0.264	0.625	-0.157	0.753	0.076	-0.308	1.563	2.178
MGC2610	685994 || A	1.659	-0.215	-1.034	-0.62	0.874	0.166	-0.158	-1.318	-0.77	0.989	-0.516	0.641	-0.67	0.815	0.162	-0.643	-0.595	1.928	2.242	1.829	0.854	-0.52	-0.072	0.048	0.466	-0.514	-0.509	-0.821
MGC2714	681884 || A	-0.279	0.288	-1.072	-0.484	1.34	0.362	-0.094	-0.59	-0.707	0.921	-0.144	0.56	-0.423	-0.004	0.046	-0.664	-0.379	2.501	2.804	3.467	0.377	-0.624	-0.276	0.306	-0.128	-0.495	-0.615	-0.58
MGC2716	682082 || A	0.0145	-0.0305	-1.2165	-0.2605	1.3405	0.2475	0.1985	-0.6975	-0.9645	0.6175	-0.5555	0.7505	-0.0705	0.2315	0.7955	-0.5285	-0.3925	2.4405	2.7465	3.4535	0.0995	-0.4795	-0.0135	0.2615	-0.1855	-0.3515	-0.6405	-0.6875
MGC2716	685085 || A	-0.2655	-0.4225	-0.8765	-0.7085	-0.0005	0.0525	0.4395	-0.8685	-0.6975	1.5615	-0.5395	0.8035	-0.5795	-0.1075	0.1955	-0.7445	-0.6545	1.9825	2.9235	3.6155	0.7685	-0.3215	-0.3265	-0.3795	0.0615	-0.4085	-0.5095	-0.9815
MGC2716	687819 || A	-0.793	0.121	-0.731	-0.368	1.765	0.274	0.208	-0.687	-0.925	1.024	-0.517	0.613	-0.266	0.994	0.022	-0.255	-0.455	2.156	3.026	2.809	0.403	-0.592	-0.165	0.391	-0.022	-0.096	-0.457	-0.188
MGC2716	694146 || A	-0.6505	-0.3665	0.0065	-1.3375	-0.1005	0.5745	0.2375	-0.1645	0.2665	-1.1195	0.4325	-0.0845	-0.6925	-1.2775	0.5575	0.2055	-0.2965	-0.2645	-0.7315	-0.3725	-0.2085	-0.3045	0.1975	0.0375	0.6635	0.6765	0.4325	0.6315
MGC2716	695966 || A	-0.132	0.148	-0.431	0.218	-0.745	-0.053	-0.219	-1.147	-0.858	-0.075	-0.675	-0.401	-0.799	-0.003	-0.768	-0.598	-0.471	-1.052	-0.061	0.044	-0.177	-0.578	-0.014	-1.435	-0.364	-1.087	-1.2	0.204
MGC2987	692023 || A	-0.504	0.197	-0.791	-0.385	-0.417	0.081	0.307	-1.037	-0.387	-0.342	0.265	-0.312	-0.857	0.529	-0.443	-0.217	-0.205	0.166	-1.053	-0.801	0.493	0.29	0.746	0.336	1.611	0.818	0.868	0.998
MGC3212	693269 || A	1.309	0.422	-1.023	-0.597	-0.842	-0.873	-0.598	-1.309	-0.856	-0.124	-0.395	-0.473	-1.21	-0.834	-0.844	-0.742	-0.972	-1.179	0.22	2.502	1.266	-0.379	-0.916	1.858	2.474	0.283	1.552	0.812
MGC3321	692025 || A	0.3445	-0.5755	-0.3655	-0.3385	-0.3575	0.4825	0.2595	0.4715	0.5845	1.0865	0.6115	0.4465	0.6375	1.3565	0.3045	-0.2015	0.3795	-0.2785	0.8525	1.4825	0.9045	-0.2065	0.3385	2.5505	1.7175	0.5775	0.9405	-0.0475
MGC3464	692812 || A	-0.7695	-0.4155	-0.3765	-0.6195	-0.0135	-0.7655	0.8735	-0.3205	-0.4955	-0.7785	-0.4695	-0.5545	0.6825	-0.7435	0.6015	-0.1735	-0.7785	3.0285	-0.5435	-0.2545	0.2225	0.5945	0.4985	1.0385	0.8225	0.9745	-0.5805	-0.2445
MGC3492	691559 || A	-0.944	-0.453	-1.288	-1.962	-0.636	-0.403	-1.609	-0.897	-1.292	-0.198	-1.881	-1.299	-1.824	-1.636	-0.692	-0.789	-1.994	-1.823	-1.031	-0.287	0.341	0.137	-1.619	-0.157	0.658	-0.747	-0.162	-0.543
MGC4021	695104 || A	0.136	-0.072	0.128	-0.348	0.031	0.384	0.208	-0.624	-0.071	1.018	0.668	0.409	-0.03	-0.734	-0.15	-0.271	1.249	-0.944	-0.852	0.046	-0.35	-0.516	0.032	0.318	0.57	0.022	1.48	1.109
MGC4251	693489 || A	-0.4395	-0.5775	-0.2965	1.0105	-0.2785	0.0635	-0.0355	-0.7575	-0.0925	-0.0785	0.4565	0.7345	0.6805	0.5045	-0.0995	-0.0335	-0.8005	-0.3195	0.1885	-1.1015	0.1145	1.0775	0.3425	0.3515	-0.4255	0.0745	-0.5025	-0.0235
MGC4308	691305 || A	0.597	1.661	-1.196	2.389	-1.596	-0.05	0.005	0.489	-0.625	-1.13	-0.325	1.261	-0.037	-1.147	-0.808	0.558	-1.013	-1.472	-0.686	-1.169	-0.432	0.453	-0.423	0.025	1.25	-0.462	-1.404	-1.057
MGC4606	683786 || A	0.6405	0.0445	-1.9155	-0.4655	-1.8215	-2.2415	-1.8825	-0.3875	-2.0475	-1.9345	-1.2285	-1.9055	-1.4885	-1.7315	-1.4705	-1.0345	-2.1725	-1.7705	-1.6665	0.2385	0.1295	-0.0855	-1.8215	2.2165	4.9365	3.1845	1.8445	0.6345
MGC4659	684418 || A	0.403	1.217	-0.925	-0.481	-0.829	0.126	-0.593	-0.097	-0.457	-0.609	0.546	-0.659	-1.639	-0.916	0.681	0.724	0.897	0.078	1.036	1.35	0.581	0.929	-0.111	0.218	1.942	-0.258	0.509	0.27
MIA	695303 || A	0.3105	1.3785	-0.6665	-0.6815	-0.9745	0.0605	-0.4015	-0.0865	-0.9365	-0.8845	0.9465	-1.0605	-1.3915	-0.4195	1.0665	0.9995	1.4545	0.5825	1.4915	1.6845	0.7465	1.0345	-0.6005	0.5655	2.3355	-0.2335	1.0355	0.5515
MID1	687747 || A	0.2395	1.4235	-1.3875	-0.6885	-0.9275	-0.1385	-1.0855	-0.8515	-1.3905	-1.3215	1.0095	-1.3295	-1.6515	-1.4235	1.4195	1.4675	1.6785	0.7595	1.1415	1.0755	0.4625	1.4255	0.0035	0.5895	1.8835	-0.0535	0.7595	0.9935
MID1	690115 || A	-0.413	-1.28	0.494	0.045	0.038	1.259	0.708	0.088	-0.339	1.042	0.147	-0.131	0.594	1.199	0.99	0.494	1.47	1.105	-0.269	-0.315	-0.399	-0.145	0.398	0.949	0.272	-1.086	0.58	0.953
MID1	690599 || A	0.5205	0.1275	-0.1845	1.2865	2.3805	1.8095	1.3535	0.7695	1.7315	-0.3165	1.1995	0.6205	1.6145	-0.1815	0.6775	0.2335	0.5325	2.1025	-0.1135	1.8665	-0.2135	-0.0355	-0.1685	0.8465	0.6785	-0.3745	-0.3695	0.0145
MLF1IP	684863 || A	-1.5875	1.5085	-0.5135	-1.0995	-1.7235	0.0735	1.8125	1.9775	2.3345	0.6535	0.9165	0.0675	0.4635	2.6335	3.8625	3.1125	2.2685	5.4875	-0.4655	2.7555	-0.1765	0.4295	2.6945	3.1145	3.0935	1.6985	2.1675	1.5905
MLSTD1	686505 || A	1.883	0.754	-0.655	-1.942	-2.156	-0.737	-0.806	-0.318	-1.126	-2.36	-0.981	-0.905	-2.27	-2.236	-1.126	-0.974	-0.796	-2.247	-2.939	2.44	1.1	0.027	-2.492	1.305	2.778	-0.845	1.23	1.686
MMP1	697289 || A	0.149	1.034	0.316	0.591	-0.628	0.342	-0.502	0.116	0.075	0.519	-0.226	-0.329	0.186	-0.049	0.426	0.185	0.247	0.258	-0.324	-0.531	-0.837	-0.042	-0.448	-0.512	-0.473	-0.832	-0.358	-0.321
MMP7	697274 || A	-0.5835	-0.5785	0.2065	0.0165	0.0015	0.4685	-0.5605	-0.2415	0.0065	0.7835	-0.0005	-0.1375	0.3625	0.7915	-0.0815	0.0335	-0.0855	-0.3515	-0.0455	-0.0425	0.0055	-0.1285	0.3755	0.4735	0.7615	-0.2745	0.4815	0.7795
MNAT1	687038 || A	-0.5745	0.5325	0.0385	-0.2455	-0.2365	0.1205	-0.6255	0.3405	-0.3305	1.3335	1.2825	1.4575	1.2615	-0.6045	0.1425	0.1815	1.8915	-0.1865	0.6335	0.3415	-0.0085	0.5085	0.3045	-0.1165	0.3405	1.1505	0.6345	1.3095
MRPL14	686347 || A	-0.777	-0.313	2.533	1.222	0.267	0.926	-0.266	0.099	-0.011	-0.065	1.072	1.652	1.577	0.079	0.657	-0.378	0.573	0.18	1.24	0.596	0.339	-0.364	-0.365	-0.257	0.338	-0.502	-0.168	0.607
MRPL15	693549 || A	-0.1505	-0.1755	-0.7155	-0.1075	-0.1115	0.2265	-0.2715	-0.2545	-0.2575	1.1595	0.1015	0.1215	-0.6525	-0.2565	-0.0585	-0.6125	-0.2575	-0.6615	-0.1995	-0.7995	-0.2955	-0.4505	0.1345	-0.3255	-0.1505	-0.5385	-0.5445	0.2725
MRPL27	697164 || A	0.0725	-0.0755	0.1305	0.9835	-0.2815	0.4045	0.1425	0.2795	0.2395	0.0625	-0.3125	-0.1175	-0.3515	-0.0815	-0.0765	-0.4645	-0.7715	-0.8275	-0.2035	-0.5885	-0.3615	-0.2715	0.2065	-1.0245	-0.2255	-0.7455	-0.0905	-0.2805
MRPL34	688498 || A	-0.568	-0.356	0.936	-0.405	-0.764	-0.017	-0.797	-0.453	4.992	1.953	1.248	0.571	-0.031	1.043	-0.26	-0.239	0.001	0.551	2.533	1.668	-0.087	-0.245	1.863	-0.527	0.042	-0.491	-0.242	-0.307
MRPL43	683308 || A	-0.5005	0.2185	-0.0185	0.4625	-0.4735	-0.2495	-0.4205	-0.1295	0.0445	0.1845	0.5905	0.6295	0.1115	0.0865	0.1765	0.3565	0.1895	-0.0405	-0.1865	0.4155	0.0515	-0.0025	-0.3765	0.0485	0.3245	-0.1945	0.6405	0.6505
MRPL45	687058 || A	-0.306	-0.469	-0.396	-0.196	0.324	0.079	0.391	-0.027	-0.351	-0.557	0.628	0.143	-0.142	-0.186	1.114	0.14	0.132	0.146	-0.332	-0.278	-0.328	-0.183	0.203	0.304	0.195	-0.075	0.595	0.653
MRPL48	683204 || A	-0.2705	-0.6325	-1.1235	0.1165	0.0985	0.5115	0.4365	-0.5025	0.3495	-0.1575	0.1375	0.4405	-0.2475	-0.5115	0.5685	-0.0905	0.0235	-0.0525	-0.4795	-0.0665	-0.2475	-0.2625	0.0965	-0.5245	-0.0695	-0.4485	0.2325	0.4765
MRPL9	682558 || A	0.3075	0.4345	-0.1505	1.0215	-0.2505	-0.1835	0.6455	0.3515	0.0005	0.2935	0.2865	0.3235	0.5025	0.5375	0.1475	-0.1675	-0.2575	-0.6635	-0.0195	0.3095	-0.0675	-0.0855	0.1055	0.1325	0.8535	-0.4685	1.2995	0.6015
MRPS14	691200 || A	0.244	-0.166	-0.069	0.903	0.231	0.817	0.953	-0.573	0.485	1.045	0.507	0.774	0.813	-0.113	0.598	-0.044	0.033	-0.577	-0.012	0.6	-0.314	-0.231	0.067	0.777	-0.033	0.078	0.755	1.139
MRPS15	686445 || A	-0.165	0.063	-0.299	0.38	0.137	0.814	0.665	0.09	0.119	0.153	0.363	0.308	0.115	-0.048	0.05	-0.05	0.421	-0.396	0.064	0.405	-0.177	-0.22	-0.171	-0.289	0.185	-0.313	0.56	1.018
MRPS17	695189 || A	-0.144	0.499	0.304	1.914	0.202	2.604	0.651	-0.257	-0.107	2.316	0.387	0.489	0.955	0.344	0.435	-0.01	1.001	-1.006	0.137	0.361	1.247	-0.219	-0.097	-0.365	0.37	0.579	1.219	1.959
MRPS24	681503 || A	-0.1635	0.2635	-0.6605	-0.3235	-0.1065	0.2765	-0.4265	-0.0345	-0.3715	0.5375	-0.1585	-0.7145	-0.1925	-1.3195	0.2515	-0.3085	0.1995	0.1895	0.2025	-0.0165	-0.0195	-0.4185	-0.2115	-0.4715	0.0015	-0.9365	-0.1075	0.1005
MRPS25	695169 || A	0.2	0.475	-0.476	0.03	0.244	0.378	1.753	0.865	0.075	1.156	-0.439	-0.423	0.287	1.444	-0.67	0.563	0.058	0.34	0.744	-0.653	0.232	0.047	-0.051	-0.552	-0.396	-0.603	-0.441	0.699
MRPS31	689671 || A	0.684	-0.228	0.145	-0.244	-0.023	0.103	0.197	0.373	-0.274	0.061	-0.316	0.115	-0.518	-0.375	-0.37	-0.316	-0.468	-0.126	1.767	0.507	2.765	0.06	-0.061	-0.307	-0.176	0.205	-0.475	-0.308
MRPS5	692172 || A	-0.2645	-0.1495	-1.0275	-0.7185	-0.1075	0.6705	0.6325	-0.1695	0.3025	0.1495	-0.2895	-0.6295	-0.2355	-0.1455	-0.0335	-0.3625	0.3955	0.9645	0.4385	-0.0625	-0.4665	-0.5365	-1.0005	0.3205	0.4455	-0.3045	0.7675	0.1585
MS4A1	690488 || A	0.0755	-0.1195	-0.4395	-0.3155	-0.5045	0.0185	0.3615	-0.5625	0.3195	0.7515	-0.1005	-0.0985	-0.0535	-0.2945	-0.3235	-0.0095	-0.0905	-0.0275	-0.4735	-0.7825	-0.4525	-0.3305	-0.7935	-0.1765	-0.4195	-0.6775	0.3255	-0.5075
MSH2	686029 || A	1.704	-0.992	-0.057	0.629	1.371	0.638	3.082	0.206	-0.366	-0.18	-0.278	-0.667	-0.183	1.266	0.152	-0.429	0.275	-1.127	-0.501	1.622	-1.183	-0.147	-0.207	-1.227	-0.492	0.702	-0.096	1.273

Table 18.

Sample		9830-0100	BC00030-I	030222-MI	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-MI	BC00036T	BR01-0123	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-1083	UB49	BC00070	UB-116	PB377	BR97-0137	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
MSH3	692736	1.009	0.872	-0.643	1.122	1.307	0.291	0.498	0.1	1.028	0.637	-0.755	-1.349	0.151	-0.261	-0.495	-0.321	0.533	0.973	-0.344	0.784	0.193	0.032	-0.767	-0.271	-0.04	-0.033	0.259	-0.981
MSMB	695442	-0.255	-0.252	-0.19	-0.027	0.276	1.17	1.039	-0.175	0.764	-0.313	0.483	0.232	0.225	0.359	0.313	-0.347	0.378	0.87	0.192	0.092	-0.344	-0.214	0.008	-0.05	-0.555	-0.014	0.283	-0.148
MTA1	690961	0.8185	2.2125	-0.7145	1.0115	2.1295	0.4555	0.8115	-0.8715	-0.2725	0.8895	0.0655	-0.0025	0.7935	0.7215	0.1425	-0.1815	0.4315	-0.2265	0.0375	-0.2655	-0.0375	-0.2875	-0.5825	-0.9115	-0.8465	-0.7875	0.1955	-0.7355
MTA3	684982	-0.145	0.125	-0.433	-0.243	-0.611	-0.449	0.468	0.189	-0.077	0.119	-0.519	-0.339	-0.096	0.571	-0.515	0.155	-0.504	0.485	0.312	-0.544	-0.036	0.008	0.183	0.797	0.816	0.194	0.319	1.778
MTAC2D1	669442	-0.064	-0.045	-0.132	-0.546	1.469	-0.52	-0.501	-0.014	-0.44	0.649	0.029	-0.363	0.277	0.044	0.513	-0.234	0.668	-0.058	-0.265	0.229	-0.377	0.176	-0.416	-0.051	0.098	-0.203	0.052	0.271
MTCH1	694039	-0.2295	0.6335	-0.3385	-0.4565	-0.6875	0.2535	-1.0475	0.7295	0.2925	0.7185	0.0215	-0.1605	-0.7095	-1.4275	0.4335	0.0535	0.6425	0.2055	0.6965	0.2835	-0.4635	0.3055	0.2125	0.5135	0.7995	0.1205	0.5525	1.0845
MTHFD1	693532	1.8905	0.2195	0.5655	1.5345	-1.3975	-1.4555	1.6995	-3.3585	0.0935	-1.3795	-0.6465	0.6665	1.2305	-1.2305	-0.1505	-0.5315	-0.3355	-1.8225	-0.9415	-0.0295	-0.1525	0.5545	0.3685	-0.0235	-1.4595	-0.3385	-2.9845	-3.5585
MTMR2	683517	2.0805	0.4085	-0.2195	0.9415	-0.4975	-0.1445	1.6785	0.0175	-0.3325	-1.3975	-0.7885	0.5895	-0.5385	0.6995	-0.7225	-0.1515	0.1575	-0.4255	0.6575	2.0435	0.3075	-0.6645	-0.0805	0.3305	-0.1965	0.5535	0.1965	-0.7885
MUC1	691634	0.324	0.237	-1.224	0.069	0.632	0.248	0.409	0.138	-0.683	-0.583	-1.131	-0.621	0.259	0.684	-0.035	-0.229	-0.97	-0.84	-0.34	0.055	0.413	0.011	1.009	0.063	1.237	0.446	-0.318	-0.994
MUC20	691484	0.334	0.064	-0.413	0.182	0.251	-0.26	-0.361	-0.232	-0.155	0.093	0.249	-0.357	-0.582	-1.037	-0.048	-0.499	-0.545	0.029	-0.711	-0.336	-0.54	-0.426	0.421	-0.372	-0.137	-0.021	-0.061	-0.324
MUM1	684755	-1.885	-1.595	-2.007	-0.219	0.324	-2.08	-1.043	-1.814	0.095	-2.708	-0.65	-0.253	-0.733	-1.192	-1.391	-0.628	-0.848	-1.309	-1.781	-3.066	-0.037	1.041	-0.746	-3.004	-2.36	-3.151	-2.338	-1.158
MXI1	692501	-0.88	-0.202	0.548	-0.552	-2.756	-1.183	0.248	-0.521	-0.961	-0.682	-0.993	-0.422	-1.852	-0.023	-1.546	-1.075	0.126	-0.764	-0.437	-0.697	0.812	0.968	-0.359	2.691	1.692	2.658	-0.372	-0.362
MYB	693882	-0.538	-0.182	0.479	-0.031	-0.242	0.927	1.691	-0.004	0.271	0.563	1.498	0.712	0.78	1.081	0.218	0.219	1.148	0.396	0.444	0.244	0.312	0.451	0.004	1.669	0.208	0.252	2.04	0.746
MYBL1	685207	0.674	0.165	0.726	0.586	2.076	1.472	1.09	0.75	1.082	0.855	0.175	-0.723	1.023	0.785	0.485	0.776	1.016	0.103	0.49	0.626	0.104	-0.294	0.424	0.789	0.648	1.333	0.741	1.294
MYBL2	683074	0.318	0.109	-1.046	-0.529	0.449	-0.161	0.071	-0.462	-0.469	-1.168	0.248	0.169	0.28	-0.208	-0.331	-0.147	-1.01	1.24	-0.408	-0.446	-0.569	0.357	0.954	-1.675	-1.45	-1.161	-1.225	-0.883
MYO10	682216	-0.4655	-0.2655	-0.7005	-0.0015	0.0525	0.5515	-0.5925	-0.1555	0.2135	-0.4775	-0.6535	-0.1875	-0.4345	-1.5355	-0.4895	-0.4915	-1.3985	0.1295	-0.3365	0.2085	1.2135	-0.3485	-0.2405	-0.1635	-0.0335	0.3105	0.0275	0.3715
MYO6	685880	0.6975	1.5725	-1.3015	-1.1875	-1.9935	2.2625	0.6065	1.0865	-1.9405	0.6965	0.8155	1.2105	-0.0325	0.4325	-1.6085	0.4005	-2.6165	1.2755	-0.3285	-2.1835	0.7895	1.3945	0.5815	1.1455	-1.5925	2.3795	-1.6635	-1.5855
MYST3	772896	-0.1665	-0.0825	0.2555	0.2645	-0.2515	-0.2465	-0.0545	-0.3395	-0.1955	-0.0895	0.0375	0.2125	0.0615	0.0455	0.0165	0.1095	-0.1155	-0.2085	-0.2425	0.0185	0.7385	0.1035	0.1925	0.2845	-0.1015	0.3435	0.1125	-0.1285
NALP2	692203	0.4635	-0.1725	0.2335	-0.2205	0.0865	-0.0315	-0.0075	0.9475	1.7715	0.5005	0.4135	0.2475	0.8475	0.6815	0.7205	0.4695	0.0015	0.9385	0.4985	0.1795	0.0955	-0.0375	-0.0535	-0.5235	-0.7385	-0.4965	-0.9625	-0.1835
NALP6	684014	-0.4005	0.4335	-0.5715	0.5955	0.8265	0.4355	0.2185	0.3735	-0.4925	0.5045	-0.0665	-0.1205	0.7295	0.9325	0.0815	1.1715	0.4515	-0.2505	0.9775	0.3065	0.3845	0.1255	-0.0555	0.2745	0.4605	-0.5305	0.4885	0.4915
NANS	697330	0.041	-0.429	-0.06	0.708	0.542	-0.144	1.499	0.095	-0.006	-0.191	-0.191	0.006	-0.58	-0.162	-0.552	-0.256	-0.592	0.099	-0.244	-0.227	0.672	-0.203	-0.281	-0.36	-0.723	-0.494	-0.547	-0.678
NARF	687321	-1.312	0.125	-0.092	0.172	0.892	-1.523	-0.9	-0.755	-0.15	-0.6	0.079	0.017	-1.369	-0.84	0.898	0.637	-0.113	0.201	-0.371	-1.044	-0.185	0.54	0.004	1.779	0.481	0.08	0.139	2.197
NAT2	697768	-0.6375	-0.8275	-0.3595	-0.3035	-0.0555	-0.5895	0.0355	0.2655	0.3505	-0.6405	-0.1675	0.2125	0.3615	-0.4655	0.1215	0.1245	-0.2715	0.1675	-0.3355	-0.0965	0.3925	0.2715	0.8235	1.0365	0.4665	0.0105	-0.3775	0.4855
NAV2	685130	-0.627	-0.524	1.544	-0.729	-0.708	2.418	0.006	-0.091	-0.327	-0.761	-1.159	-0.851	1.403	2.864	1.216	-0.816	0.168	0.254	0.087	-0.642	0.28	-0.325	-1.325	-0.995	-0.786	-1.195	-1.645	-0.556
NDE1	690898	0.9225	0.1485	-0.5605	0.3565	-1.7635	0.0825	-0.5515	-0.8665	0.6105	0.0215	-0.6985	-0.0895	-1.0375	0.5795	-2.0445	-0.9705	-0.5605	-0.4495	-0.2685	-1.3495	0.4985	0.3475	-0.7315	0.9055	1.2995	1.9795	0.0195	0.5325
NDP52	684577	-0.01	-1.121	-0.037	-0.194	-0.128	-0.164	0.165	0.268	0.033	0.161	-0.401	0.036	-0.399	-0.205	-0.122	-1.025	-1.212	-0.191	-0.777	-0.6	-0.427	-0.513	0.292	-1.005	-0.595	-0.145	-0.468	-0.305
NDRG2	686705	0.456	0.337	-0.196	0.928	-0.907	-0.155	0.128	-0.521	0.365	0.918	0.216	-0.029	0.371	0.647	0.789	-0.121	0.382	-0.043	-0.296	-0.057	-0.093	0.015	-0.274	-0.876	-0.462	-0.737	-0.599	-1.294
NDUFA7	682916	0.1015	-0.0085	0.4615	0.5275	-0.2785	0.2475	0.4035	0.1805	0.0825	0.5055	0.0855	0.4665	0.2695	0.4105	-0.1385	-0.3315	-0.1985	-0.3805	-0.2045	-0.3785	-0.0325	0.2095	0.3015	-0.6385	0.3155	-0.3895	-0.5005	0.3635
NDUFB1	685310	0.105	-0.448	0.129	-0.401	-0.623	0.036	0.293	-0.455	0.148	0.378	-0.001	-0.195	0.295	0.777	-0.182	0.495	0.71	0.276	-0.178	0.245	-0.096	-0.571	0.02	-0.469	0.236	-0.283	-0.028	0.625
NDUFB10	681833	0.339	0.177	-0.29	-0.121	-0.73	-0.132	0.706	0.041	0.097	0.514	-0.185	-0.118	0.356	-0.599	-0.671	0.268	0.058	-0.569	-0.162	-0.363	0.088	-0.854	-0.247	-0.463	-0.324	-0.692	0.32	-0.704
NDUFB2	688062	-0.5675	-0.6805	0.0315	-0.6935	-0.7185	-0.3845	-0.1035	-0.4615	0.0215	0.1535	0.2925	0.0305	0.5765	-0.5245	0.3095	-0.1615	0.0235	-0.0145	-0.1935	-1.2625	-0.5385	-0.6425	-0.8315	-0.1245	-0.7035	-0.7145	0.0305	0.5235
NDUFB5	686352	-0.7405	0.1805	1.1845	0.7345	-0.6695	0.2165	-0.1685	0.6205	-0.4585	0.1175	0.7055	0.4685	0.7655	0.9605	0.3305	1.1145	0.5675	0.7815	0.0495	-0.5055	-0.6275	0.5715	-0.6405	-0.4195	-0.7535	-0.9995	0.2035	0.0625
NDUFB6	688628	-0.2535	-0.2575	0.0175	0.6865	-0.3125	0.0285	1.5105	-0.5855	-0.1665	1.7305	0.9245	0.8475	0.6585	0.1675	0.1185	0.3385	0.1585	-0.0475	0.3525	1.8545	-1.2105	0.3645	0.4205	0.5945	0.4595	-0.1505	0.7015	1.2095
NDUFC2	696213	-0.7135	-0.0675	-0.2395	-0.9495	-0.4635	0.1695	0.8375	-0.3365	0.0955	-1.1175	0.9685	0.0285	-0.0775	-0.9565	0.6975	0.3355	0.1415	0.8875	-0.9045	-0.0775	-0.4665	-0.4605	0.5435	1.7725	0.6635	0.0745	1.5305	1.0215
NEBL	690781	1.016	0.872	0.995	0.979	0.431	0.461	0.961	0.21	0.033	1.034	0.58	0.544	0.681	0.742	-0.088	0.607	0.841	0.979	0.524	0.53	0.547	0.416	0.194	-0.21	0.08	0.268	-0.047	-0.816
NEK2	695375	-0.964	-0.991	1.216	-1.42	-1.715	-1.025	-0.406	-0.896	-0.711	-0.672	-0.705	-1.957	-0.803	-1.493	0.887	-0.343	-0.917	0.521	0.37	-0.362	2.263	1.427	-0.8	-0.353	-0.795	-0.856	1.709	-0.681
NEK6	695042	-0.6155	-1.0125	-0.5375	0.0145	-0.9765	-0.8135	0.2735	-0.8105	0.9645	0.4145	-0.4815	-0.1945	-0.4225	-0.8555	-0.2185	0.0015	0.1225	-0.4085	-0.9205	0.0735	0.7015	0.1315	-1.4655	0.1935	-0.2785	-1.4825	-0.0815	0.7275
NELL2	688574	-0.0905	0.9545	-1.3055	-1.4555	0.1105	0.5055	0.3925	0.0015	0.0955	0.3375	1.2645	-0.0555	-1.0285	0.5245	-0.6935	0.1025	-0.1745	0.0975	0.5795	1.0425	0.8115	-0.0955	1.3345	-0.2035	0.3035	2.1145	1.1245	0.7045
NEURL	681900	1.235	1.31	0.366	0.581	2	0.537	1.152	0.033	-0.228	0.031	0.699	0.293	-0.237	-0.775	0.149	0.338	0.799	-1.197	-0.158	-0.158	0.425	0.537	0.583	-2.873	-0.053	-0.508	0.027	-2.53
NFE2L3	683131	0.9415	0.6445	-0.1885	-1.4125	-0.2255	-0.0125	-0.3385	-0.3485	0.3535	1.0485	-0.1275	-0.4275	-0.1905	-1.1685	0.3975	0.3225	-1.5845	-0.5985	0.5495	0.5235	0.4865	-0.4385	0.4865	0.6495	1.1085	0.8475	1.5335	-0.5685
NFIA	692198	0.04	-0.616	-0.044	0	-0.045	-0.34	0.308	-0.119	-0.271	-0.628	-0.318	0.171	-1.044	-0.278	-0.889	-0.139	-0.631	0.165	-0.555	0.357	0.573	0.104	-0.53	-1.444	0.065	-0.005	-0.888	-0.075
NFIB	681629	0.3585	0.8645	0.2605	-0.1225	-0.3285	0.2925	-0.3325	-0.5225	0.1475	-0.2115	-0.4725	-0.9975	-0.9355	-1.0685	0.1615	-0.0595	-0.0625	0.8355	-0.0315	-0.1215	-0.3585	-0.3475	-0.4025	-0.4165	-0.2695	-0.5515	-1.0645	-0.4075
NINJ1	684190	0.0575	-0.1545	2.3915	0.8485	0.2015	0.1105	0.0815	0.0785	-0.0685	-0.0945	0.1565	0.4815	0.0815	-0.2485	-0.0965	0.0635	-0.1755	0.1525	0.0355	-0.0015	0.0605	0.0695	0.1605	-0.0545	0.4955	-0.1025	0.1845	0.2225
NIPSNAP3	697441	-0.4515	-0.1965	-0.4585	0.1655	-0.2595	-0.2195	-0.2905	-0.3465	0.0855	0.1705	2.0885	2.0705	0.2595	-0.1135	2.4165	0.0805	1.4135	0.1765	-0.4905	0.7585	0.2285	-0.3095	-0.3765	0.2455	0.2145	-0.2035	0.3075	1.1625
NKX6-2	682635	-0.4505	-0.0515	-0.6875	0.0775	-0.3505	-0.4325	-0.4505	-0.1265	0.3645	-0.0935	1.9625	1.6605	-0.2125	-0.3985	2.4485	-0.1515	1.2035	-0.2975	-0.5075	0.8395	0.2435	-0.4775	-0.4575	-0.2035	0.3435	-0.5345	-0.1325	1.4105
NME1	689970	-0.046	-0.421	0.229	0.646	-1.158	-0.287	-0.298	-0.428	0.014	-1.008	-0.39	-0.014	0.021	0.391	0.014	-0.538	-1.912	-0.812	-0.265	-0.881	0.574	1.251	-0.082	-0.964	-0.666	-0.063	-0.931	-1.215
NME2	681665	-1.3505	-1.2715	-0.6415	-2.3075	-1.7405	-1.5795	-0.5445	-0.8675	-0.6025	-0.4555	-0.9345	-0.9595	-1.2395	-0.5435	-2.0465	-1.5725	0.7825	-0.6435	-0.7395	1.0395	-0.6575	-1.9035	-0.8775	-1.1975	0.3335	-1.1435	-3.0515	-0.2295
NME3	682225	0.1065	0.2905	0.1205	-0.1995	-0.2585	-0.3725	-0.1825	0.1575	0.3555	-0.0485	0.9975	1.1905	0.6595	0.0875	0.4695	0.4915	0.9485	0.9565	0.2455	-0.2115	-0.0545	-0.4795	-0.2665	-0.1605	-0.3835	0.1005	0.0605	0.7605
NMES1	689620	0.296	0.215	-0.471	-0.706	1.208	0.573	0.005	-0.003	-0.55	0.079	-0.019	-0.346	-0.461	0.003	0.268	0.183	0.127	0.71	-0.194	0.626	0.373	-0.166	-0.155	0.375	0.242	-0.372	0.814	0.772
NMI	690834	0.0315	-0.3615	0.6035	-0.7005	0.2455	0.1175	-0.2275	-0.0065	-0.2645	0.1005	0.4525	0.2485	0.7635	0.0075	0.5935	-0.1655	-0.2875	0.3165	-0.1555	-0.7915	-0.3165	-0.0695	0.1365	-0.1095	0.0275	-0.1875	-0.0215	0.7725
NOC4	691497	0.2115	0.1515	0.0805	-0.2115	0.3245	0.1795	-0.0745	-0.3545	-0.4675	0.7345	-0.1065	0.2145	-0.1775	0.8095	0.6685	-0.0955	-0.2925	1.7035	2.4715	1.8045	1.4315	-0.2895	0.0375	-0.1495	0.0585	-0.0815	-0.3625	-0.3645
NOLC1	689311	-0.3775	0.2755	0.2915	-0.8525	-1.0325	0.2065	-1.0055	0.6675	-0.5545	0.4425	0.5825	-0.1185	0.0045	-0.8805	-0.0065	0.8625	0.8045	0.6815	0.2585	0.1035	0.2035	0.1175	-0.1395	0.5565	0.3065	-0.0355	-0.0725	1.1255
NotFound	681142	0.0375	-0.4585	-0.4325	-0.1325	-0.2205	-0.2185	-0.3745	-0.2305	-0.1635	0.1965	0.1485	-0.0135	-0.0965	-0.0575	0.2535	0.4235	-0.4065	-0.1905	0.1055	0.1615	-0.3455	-0.0865	0.1195	-0.6785	-0.2535	-0.4745	-0.1235	1.0615
NotFound	681155	-0.408	-0.324	0.167	0.519	0.387	-0.027	0.482	-0.542	-0.523	0.433	-0.179	0.781	0.222	0.62	0.154	-0.185	-0.387	1.307	1.724	2.171	0.154	0.107	-0.02	-0.127	0.051	0.197	-0.234	0.037
NotFound	681349	0.655	-1.414	1.525	1.431	0.064	0.357	1.61	-0.372	0.618	1.262	-0.166	-0.338	-0.852	2.019	-0.448	-1.318	0.715	0.259	-2.491	-1.814	-0.661	-0.851	0.048	-2.108	-1.047	-2.425	-0.901	0.457
NotFound	681357	0.788	0.201	-0.395	-0.607	1.667	0.243	0.242	-0.145	-0.618	0.479	-0.205	-0.084	-0.475	-0.319	-0.604	-0.786	-0.706	0.866	1.739	1.179	2.505	-0.155	-0.211	-0.241	0.189	-0.252	-0.705	-0.33
NotFound	681576	0.4065	0.5355	0.0335	0.1295	-1.1455	-0.3065	-0.2645	0.6375	-0.3625	1.2155	0.0385	0.0135	-0.6725	0.1395	-1.0305	-0.1235	0.5865	0.6465	0.5915	1.2925	1.3565	-0.8655	-0.7315	-0.1965	-0.2005	0.8275	1.0265	0.6485
NotFound	681608	0.986	-0.257	-0.188	-0.502	-0.325	-0.879	-1.121	-0.695	-0.682	-1.13	0.55	-0.538	-0.697	-1.072	-0.838	-0.469	-0.933	-0.807	-0.716	0.478	1.334	0.211	-0.809	1.056	3.687	0.903	-0.53	-0.412
NotFound	681958	0.2555	-0.6305	2.0015	2.2595	2.3725	0.8545	1.9565	1.2025	2.9965	-1.6195	-0.6905	-1.7885	-0.1705	-0.0105	0.1235	1.0655	1.2665	0.9775	1.2575	0.9315	0.2545	-0.4315	-1.4055	0.3995	0.6165	-0.0475	0.2835	-0.7085
NotFound	682219	-0.143	-0.191	-0.104	0.3	0.336	1.002	-0.274	0.317	-0.462	-0.531	0.012	-0.265	-0.515	-0.788	0.17	0.14	0.029	0.88	0.365	0.116	0.981	-0.803	0.315	-0.208	1.505	-0.076	0.732	1.17
NotFound	682298	1.3885	0.5555	-0.1065	0.1955	0.1395	0.0325	0.5335	-1.0095	0.1455	0.2685	0.2085	-0.1165	0.6495	1.2725	-0.4335	-0.0975	-0.1175	-0.1805	0.7295	0.7395	-0.2525	0.3625	0.9825	1.2705	0.8485	1.4185	0.9095	1.2495
NotFound	682699	-0.6355	0.0365	-1.9685	-0.2125	0.5405	0.6365	0.1165	-1.7805	-1.1775	1.3585	-0.4375	0.6095	-0.3535	-0.2135	0.0885	0.2015	-1.0625	1.5475	1.4685	3.4105	0.4875	-0.4685	-0.2715	-0.6885	-0.4465	-0.2815	-1.7015	-1.2435
NotFound	683354	-0.0485	-0.6845	-0.2805	0.1425	-0.1585	-0.3185	0.1965	-0.5115	0.5125	-0.3995	-0.3295	0.3355	1.0425	0.4905	-0.1415	-0.3285	-0.3325	-0.3125	0.2245	0.7535	0.9515	0.1835	0.1515	0.5555	0.9355	0.8005	0.4005	0.4465
NotFound	683540	0.0535	-0.0445	0.5595	0.4415	-0.0065	0.1085	-0.1285	0.2285	0.2215	-0.0115	-0.1635	0.1075	-0.1055	-0.1795	-0.0785	-0.0835	-0.2455	-0.1115	-0.1465	-0.0575	0.0385	0.1205	0.0205	0.1215	0.0695	0.3345	-0.0015	-0.4995
NotFound	683552	-1.029	-1.22	-1.392	0.331	-2.66	-1.536	-0.253	-1.736	0.196	-2.27	-2.81	-0.188	-0.26	-1.977	-1.678	-1.695	-3.072	-2.676	-1.452	-0.935	-0.216	0.268	-1.344	-0.624	-0.165	1.295	-0.731	-0.889
NotFound	683689	0.599	-0.061	-0.481	0.648	0.772	0.488	0.754	-0.031	0.293	-0.021	-0.158	0.49	0.146	0.885	0.042	-0.188	-0.309	0.208	0.002	-0.266	0.038	-0.371	-0.089	-0.272	-0.169	-0.512	-0.534	0.447
NotFound	684000	-0.518	-0.761	1.089	0.45	0.295	0.926	-0.26	0.211	1.499	0.004	0.703	0.881	0.459	0.006	-0.436	-0.51	0.07	0.038	1.94	-0.091	-0.13	0.308	-0.289	-1.04	-0.348	-1.504	0.415	-1.246
NotFound	684333	-0.4575	-0.4425	0.1955	0.5785	-0.7035	-0.0135	-0.2405	-0.4555	1.1675	-0.9225	-0.4285	0.2665	-0.2385	-0.3595	0.1155	-0.0635	-1.1185	-0.1625	-0.0585	-0.6465	-0.0565	0.0365	0.1145	-0.7065	0.3045	-0.5035	-1.4645	-2.2385
NotFound	684481	1.051	-0.675	1.338	1.777	-0.799	-0.601	0.476	1.381	-0.496	-0.097	-1.139	-0.984	-0.159	0.058	0.506	0.009	-0.77	1.016	-0.257	1.647	0.337	-0.218	1.025	0.361	0.361	-0.05	-0.15	-0.588
NotFound	685169	0.019	-0.252	-0.649	-0.12	-0.766	0.008	-0.57	-0.481	0.295	0.065	0.85	0.28	-0.308	-0.151	0.497	-0.028	0.268	-0.018	-0.47	-0.356	-0.008	-0.492	-0.498	-0.118	0.385	-0.236	0.121	0.068
NotFound	685265	0.1675	0.7315	0.0185	0.1165	0.2965	0.2705	0.8965	-0.4245	-0.4885	0.6545	0.0115	0.0675	0.2415	0.9935	-0.4405	0.1735	-0.3375	-0.0205	-0.1805	0.0515	0.0245	-0.0005	0.0605	-0.3875	-0.6415	-0.1415	0.3475	0.4525
NotFound	685572	1.7495	-1.6445	-1.2095	-0.1585	2.0965	-2.2095	-0.6855	-1.8835	-2.0385	-1.3855	-1.8295	-1.5095	-2.1565	0.0135	-1.6705	-1.6275	-1.2735	-1.0185	-1.7165	-1.9215	-0.4415	-0.3075	-1.5405	-1.6005	-0.3215	-1.5445	-2.1695	0.5015
NotFound	685625	-0.151	-0.476	-0.705	0.888	0.079	-0.063	-0.934	0.023	0.035	-0.621	-0.426	0.223	-0.501	-0.101	-0.548	-0.624	-0.788	-0.769	-0.011	-0.278	0.469	-0.209	-0.726	-0.872	0.171	-0.5	-0.467	-0.575
NotFound	685756	0.8845	1.0525	-0.3265	0.3945	0.4465	0.6295	-0.1625	0.2805	0.2595	0.2375	-0.2075	0.0045	-1.2175	-0.0305	-0.4925	0.2035	0.6395	-0.0735	-0.4385	-0.0295	0.2265	-0.7285	-1.1045	0.5395	2.1255	0.0005	1.1105	0.0375
NotFound	685823	-0.926	-1.383	-0.67	0.294	1.711	-0.627	0.705	-0.051	0.933	-0.946	-0.371	0.948	-1.144	-1.515	-1.266	-1.238	-1.161	0.039	-0.835	-0.702	1.098	-0.876	-1.012	-1.542	-1.644	-1.428	-1.479	-1.568

WO 2007/061876 PCT/US2006/044737

Table 18.

Sample		9830-0100	BC00030-I	030222-MI	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-MI	BC00036T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
NotFound	686027	0.103	0.425	-0.429	1.479	1.135	0.54	1.516	0.887	1.962	-0.816	-0.841	-1.024	-0.166	-0.999	0.435	0.474	0.502	1.576	0.613	0.346	-0.067	-0.077	-1.753	1.063	-0.589	1.363	0.506	-0.663
NotFound	686055	-0.0985	2.0985	0.8205	-1.5295	1.4725	0.9585	0.6005	1.0075	-1.5755	1.9245	2.5755	2.0685	1.0945	-0.6685	-0.0355	0.8085	1.9915	0.3815	-0.9185	0.0515	0.3655	1.2845	-0.4845	-0.8915	0.2935	1.3635	1.2545	1.1665
NotFound	686477	-0.001	0.16	-0.197	-1.217	-0.751	0.609	-0.111	-0.255	0.688	0.84	0.302	-0.294	0.119	-0.83	0.573	-0.29	-0.424	-0.4	-0.276	0.355	0.424	-0.174	0.536	-0.158	0.676	0.753	0.842	0.424
NotFound	686759	0.4595	0.2645	0.2945	1.6135	1.5185	0.6845	1.4555	0.7625	1.9155	-0.8395	-1.0005	-1.2535	-0.3925	-0.8915	0.1835	0.1665	0.5035	1.1955	0.6055	0.4405	-0.2215	-0.0485	-1.7695	1.0195	-0.6095	1.1275	0.6305	-0.9245
NotFound	686948	1.1	1.431	1.009	0.907	1.446	0.614	-0.68	0.162	3.058	-0.598	0.232	1.198	-0.814	0.148	0.325	-0.507	0.183	-0.268	-0.41	0.476	-0.682	-0.506	0.159	2.905	-0.655	2.493	-0.044	0.448
NotFound	687368	-0.518	0.147	-0.532	0.406	-1.126	-0.69	-1.759	0.285	0.228	0.412	-0.535	-0.051	-0.918	-1.445	-0.426	-1.144	-0.749	-0.505	-0.484	-1.124	-0.646	-0.675	-1.204	-1.123	-0.837	-1.63	-0.882	-0.335
NotFound	687761	-0.3525	0.1425	-0.4205	-0.4605	1.1165	0.3405	0.0665	-0.2745	-0.4235	1.3255	0.1895	0.7525	0.0045	0.3725	0.5645	0.0045	0.0145	2.4185	2.5625	2.8135	1.3395	-0.3295	-0.2215	0.2785	0.2435	-0.1395	-0.4255	-0.7675
NotFound	688033	-0.3795	-1.1875	0.3955	0.7505	-0.2175	0.9965	-0.0765	0.1185	1.1715	-1.8005	-0.9785	-1.5675	-1.3855	-1.4895	0.2645	1.5355	0.3475	0.3855	0.5405	1.6805	-1.3475	-0.4645	-1.2055	0.2315	-1.6815	0.4405	0.1345	-0.3725
NotFound	688163	-0.4345	1.2695	1.2815	2.1845	2.2165	1.6955	0.9325	1.6545	2.2015	-1.0685	-0.9925	-1.0875	-1.1195	-0.1865	0.2605	1.3405	0.8145	0.8615	1.2205	0.5675	-0.4235	-0.3315	-1.3585	0.2255	-0.9855	0.9225	0.4445	-0.2335
NotFound	688284	0.2165	0.5045	0.3805	1.8605	2.1205	0.5805	1.0215	0.4315	2.2435	-0.7645	-0.8665	-1.0335	-0.7105	-0.9305	0.3075	0.3185	0.7675	1.2345	0.3645	0.2905	-0.4135	-0.2885	-1.2805	0.5545	-0.5555	0.5225	0.7565	-0.2905
NotFound	688843	-1.0795	-1.1715	-0.2125	1.7535	0.8325	-0.3665	0.7425	-0.7925	1.2525	0.5975	-0.4055	0.0185	-0.5445	-1.7685	-0.7035	-0.6895	-0.7745	-0.3455	-0.2745	-0.6515	-0.5405	-0.4355	-0.0965	-1.1755	-0.2405	-0.3025	0.3095	-0.5845
NotFound	688964	-0.047	-0.262	0.078	1.812	1.422	0.599	1.286	0.324	1.443	-0.269	-0.98	-0.81	-0.652	-1.026	0.33	0.215	0.538	0.254	-0.038	0.874	-0.158	-0.27	-1.081	0.412	-0.437	0.917	0.009	0.182
NotFound	688988	-0.2855	0.2225	0.0015	0.5235	1.5675	-0.2585	0.6835	0.3975	1.4815	-2.1765	-2.5585	-2.6305	-1.9025	-1.9325	-0.2135	0.3685	0.3505	0.8915	0.0435	-0.1615	-0.0015	-0.4915	-1.8545	0.3255	-1.0425	0.8775	-0.4585	-0.4485
NotFound	689368	-0.5995	0.2425	1.0815	-0.6825	0.2875	0.2235	0.1445	-0.0095	0.0585	0.0645	0.8885	0.6895	0.9055	0.4465	1.1685	1.0035	0.4945	0.7355	-0.4105	0.0905	-0.0045	-0.2175	0.2085	0.8275	0.8495	0.3735	0.2235	0.4025
NotFound	689732	0.5015	-0.6005	1.2935	2.6375	2.2455	1.3855	2.4365	0.8555	2.5405	-2.2445	-1.7705	-1.4065	-0.7385	0.2645	1.1285	1.2305	1.6905	0.6245	-0.0095	1.3955	-0.9435	-0.8675	-2.2055	0.4175	-1.3285	1.3485	0.0325	-0.8545
NotFound	690073	0.6195	0.5895	0.9835	-0.6095	1.1685	0.2175	0.0335	0.2925	0.3695	0.0205	-0.6565	-1.7245	-0.8825	-0.0425	-0.1685	-0.0815	-0.1155	-0.3545	0.6405	1.3075	-0.0195	0.0465	1.3525	-1.3535	-0.7135	-0.5815	-0.2995	-0.9795
NotFound	690533	-0.746	-0.106	-0.523	-1.55	-0.998	-0.485	-0.693	-0.031	-0.111	-0.23	-0.586	-1.026	-1.185	-0.266	-0.639	-0.889	-1.004	0.155	-0.49	0.81	-0.812	-0.018	-0.537	1.212	4.54	2.402	3.058	3.715
NotFound	690571	0.023	-0.055	0.146	0.129	0.032	-0.25	-0.005	0.141	-0.442	0.167	0.089	0.053	-0.039	0.023	-0.149	-0.178	-0.079	-0.029	-0.124	0.083	-0.206	-0.078	0.12	0.113	0.1	0.004	-0.074	-0.004
NotFound	690663	-0.111	-0.323	-0.37	-0.244	-0.522	0.251	0.697	-0.774	-0.369	-0.247	-0.14	0.33	0.041	-0.007	0.056	-0.04	-0.399	2.2	3.204	2.95	0.539	0.251	-0.377	-0.011	0.395	0.072	-0.445	-0.308
NotFound	691307	0.4935	0.4105	0.0595	1.9315	1.4245	0.7345	1.4545	0.5855	1.7655	-0.3275	-0.6245	-0.6045	-0.1175	-0.8815	0.1425	0.1015	0.4475	0.9205	0.4015	0.4765	-0.3355	-0.0865	-1.2815	0.7785	-0.4565	1.0515	0.6815	-0.4305
NotFound	691444	-0.4585	-0.4855	-0.4435	-0.5595	-0.6395	-0.4035	0.1155	0.4545	-0.2925	0.5615	-0.3425	-0.2405	-0.9275	-0.8135	-0.0145	-0.2755	0.1775	-0.4185	-0.8035	0.5195	-0.3175	-0.1275	0.5895	1.5015	-0.2535	-0.0925	-0.1925	1.5825
NotFound	691485	-0.007	-0.167	0.524	0.487	0.485	0.063	-0.013	-0.012	-0.209	-0.17	0.044	0.618	0.193	0.192	0.02	0.075	-0.235	0.685	0.746	0.664	0.14	0.143	-0.511	0.153	0.17	0.469	-0.175	-0.413
NotFound	691652	-0.7255	-0.0145	0.3315	-0.4445	0.2245	0.1455	0.4415	0.4465	-0.1365	0.0505	-0.0555	-0.3515	1.3605	0.3215	0.1005	0.3575	-0.0765	0.2025	-0.0405	0.3135	0.1005	0.1645	-0.0965	0.6115	-0.4785	0.4395	0.3425	-0.2925
NotFound	691783	0.1155	0.5225	0.1745	0.2195	-0.0885	0.4815	0.6135	-0.4265	0.6785	-1.0585	-0.3595	-0.3705	-0.6205	-0.5255	-0.2895	-0.1035	-0.6975	-0.3585	-0.0165	-0.3955	0.6505	0.0065	-0.8955	0.1495	1.1585	0.7335	0.3355	-0.3345
NotFound	692077	-0.0025	0.1425	-1.2305	-0.9705	0.7215	0.2805	-0.6815	0.0415	-0.3485	-0.8205	-0.7545	-1.1465	-0.4025	-0.2945	-0.0095	-0.2525	-0.4835	0.4635	-0.2475	0.1395	-0.1935	0.4535	-0.2265	0.8655	1.2765	0.8215	1.0095	0.9085
NotFound	692188	0.1475	0.2495	0.1315	1.1715	0.5395	0.0205	0.5375	-0.0605	0.2395	0.5105	0.5945	0.8415	0.3025	1.3575	1.5255	0.4035	0.4205	-0.0785	-0.3485	0.0075	0.1305	0.2255	0.2465	-0.5945	0.5655	-0.2405	0.0135	0.2185
NotFound	692466	0.154	-0.026	-0.067	-0.037	1.009	0.543	-0.191	-0.923	-0.104	0.684	-0.434	-0.785	-0.05	-0.558	-1.081	-0.64	-0.169	0.743	-0.186	-0.19	-0.606	-0.132	0.041	-0.047	0.133	-0.773	0.087	0.434
NotFound	692727	0.567	0.096	-0.048	0.723	-0.511	-0.897	1.819	0.163	-0.051	0.699	0.523	0.351	-0.092	0.851	-0.17	-0.311	-0.407	0.73	-0.008	-0.931	1.011	0.204	1.353	-0.387	-0.552	-0.16	-1.02	4.405
NotFound	692860	0.3445	-0.9745	1.6195	1.6405	0.5985	0.6795	1.2225	-0.1435	0.7675	1.2075	-0.2915	-0.0995	-0.6105	1.6125	-0.4475	-1.1955	0.6535	0.2625	-1.4045	-1.3845	-0.4945	-0.8805	-0.2625	-1.9215	-0.9325	-1.7735	-0.7805	0.4665
NotFound	692931	0.0675	-0.4785	-0.6035	0.9825	-0.8295	0.1985	-0.8395	0.0225	-0.4785	-0.2615	0.8465	1.1135	0.2385	0.3835	0.4215	-0.6475	0.0285	0.3195	-0.3395	0.0795	-0.1185	0.0055	0.3025	-1.3005	-0.2685	-0.7425	-0.6275	2.5525
NotFound	693121	0.5545	-0.6505	-0.4635	1.4525	-0.0925	-0.0875	1.0005	-0.4705	0.8965	-2.3485	-1.1575	-0.3575	0.3455	-0.9025	-0.7795	-0.5065	-1.3155	-0.9695	-0.4165	0.9765	-0.5345	0.2705	-0.1305	-2.1445	-0.7135	-0.8185	-1.2765	-1.6415
NotFound	693387	-0.4615	0.8375	-0.7055	-0.7515	-0.2065	-0.6775	1.1705	-0.5635	-0.5275	0.3595	-0.5085	-1.0205	1.5755	-1.0265	-0.5645	0.2125	0.3545	-0.2105	0.1335	-0.1355	0.4505	-0.5045	-0.1705	0.5055	-0.6755	-0.6535	-0.0875	-0.7765
NotFound	693511	-0.782	-0.127	-2.53	-1.278	-1.036	-2.489	-2.119	-1.273	-1.353	2.198	0.01	1.205	-2.841	-3.244	-1.956	-2.041	-1.34	-3.321	-2.604	-0.599	-0.275	0.387	1.24	0.775	0.833	0.677	0.362	-1.162
NotFound	693741	1.605	0.244	-0.554	-0.805	-1.287	-0.736	-0.034	-0.847	0.395	-0.839	-0.389	-0.577	-0.572	-0.519	-0.26	-0.18	0.394	-0.179	-1.057	1.027	2.123	-0.181	-0.607	-0.683	0.943	0.335	-0.917	0.209
NotFound	694011	-0.3015	0.0215	0.4655	0.0195	-0.0195	-0.1105	0.0215	0.0605	-0.1345	0.0805	-0.0135	0.0015	-0.1985	-0.0705	-0.0205	-0.0035	-0.0405	0.3795	0.8415	0.5595	-0.0385	0.0875	0.0045	-0.2205	-0.1585	0.2755	0.0065	-0.5955
NotFound	694287	1.034	1.527	-0.465	-0.246	1.065	2.073	0.401	1.668	0.392	1.928	0.416	-0.014	-0.281	-1.093	1.254	1.372	-0.454	-1.038	0.226	-0.558	1.122	0.522	1.999	-1.752	0.832	1.036	-1.288	-1.055
NotFound	694458	-0.962	0.436	-0.14	-0.264	0.013	0.211	-0.58	-0.009	-0.696	-0.795	-0.461	-0.486	-0.676	-0.815	-0.23	3.003	0.475	-0.022	0.21	0.748	-0.283	-0.815	-0.832	-0.574	-0.356	-0.817	-0.304	0.27
NotFound	695199	0.3795	0.0985	2.3805	0.1095	-0.5565	0.9245	-0.6455	1.8125	1.7535	-0.0905	-0.4925	-0.2185	-0.7025	-0.0355	-0.7055	-0.7035	-0.6295	-0.6295	-0.5525	-0.3105	2.7915	2.1265	-1.1275	0.0085	0.4505	0.2775	0.6275	-0.2845
NotFound	695260	0.173	0.148	-0.485	0.289	-0.243	0.207	-0.333	-0.089	-0.008	0.43	-0.2	0.19	-0.078	-0.091	-0.046	0.068	-0.113	-0.367	0.275	-0.106	0.167	-0.242	0.123	-0.059	-0.58	0.101	-0.066	-0.055
NotFound	695667	-0.648	1.472	1.42	2.551	2.675	2.046	1.265	2.232	2.617	-1.715	-1.604	-1.475	-1.496	-0.311	0.01	1.431	0.72	0.934	1.429	0.765	-0.444	-0.34	-2.161	-0.105	-1.107	0.907	0.572	-0.457
NotFound	696120	1.7505	-0.5195	-1.1485	1.5185	-0.7335	0.9795	0.4805	-0.1405	2.1995	-0.7195	0.4005	1.2235	0.4845	0.5185	-0.2045	1.0225	0.1785	0.8635	0.4185	0.2335	-0.2155	1.2125	-0.7925	0.0525	-0.8825	-0.8025	-0.5505	-0.2655
NotFound	696388	0.343	-0.39	0.196	-0.257	-1.044	-0.801	-0.146	-0.512	-0.664	-0.681	-0.314	-0.115	-0.443	-0.499	-0.752	0.201	-0.857	-0.059	0.3	0.066	-0.103	0.113	0.015	-0.148	-0.73	-0.632	-0.585	-0.266
NotFound	696612	0.2905	-0.1645	1.0595	0.5895	0.7725	0.4035	0.4325	0.5645	-0.1465	0.7425	0.8705	1.0205	0.6905	0.4825	-0.2045	0.0025	-0.4555	1.2075	-0.0495	-0.0015	0.4265	0.2455	0.8505	0.5375	-0.0255	0.4285	0.8545	0.8845
NotFound	696792	-0.0675	0.0255	0.6595	0.3365	0.1215	-0.0685	-0.2715	0.4815	-0.1365	-0.0185	0.1135	0.3225	0.3345	0.4975	0.3415	0.3075	0.2635	0.6375	0.1585	0.6105	0.1315	0.2525	0.2895	0.4665	1.3655	0.2385	-0.3415	-0.8885
NotFound	697127	0.135	0.223	0.19	1.64	1.555	0.461	1.498	0.742	1.81	-0.814	-0.939	-1.254	-0.227	-1.09	0.317	0.264	0.387	1.153	0.475	0.329	-0.209	-0.105	-1.478	1.005	-0.713	1.391	0.352	-0.682
NotFound	697197	-0.2235	-0.3175	0.0025	-0.2905	0.3185	0.4785	0.3835	0.0465	0.2035	-0.9045	0.6955	0.2755	0.0335	0.2255	0.5495	-0.0645	0.3825	0.5535	-0.0685	-0.2665	0.1245	-0.3235	0.3135	0.4025	0.2815	0.4715	0.4755	0.4235
NotFound	697297	0.696	-0.069	0.963	0.72	-0.392	-0.35	0.561	-0.353	1.31	-0.678	-0.186	-0.387	0.817	-0.09	0.256	0.014	-0.366	0.452	-0.569	-0.316	0.33	0.383	-1.237	-0.699	-0.54	-0.261	-1.958	-2.034
NotFound	697403	-0.534	-0.117	-0.619	-0.247	-0.642	-0.495	0.767	-0.466	-0.678	-0.679	-0.464	0.006	-0.699	3.384	-0.444	-0.263	0.75	0.275	-0.292	-0.254	0.088	0.044	-0.335	-0.188	-0.176	-0.813	-0.287	-0.678
NPDC1	682819	-0.4265	0.0615	0.4795	0.6255	0.3095	-0.1215	0.1325	-0.1555	-0.0055	-0.2175	0.2845	0.3995	0.1835	0.4555	0.2885	0.1895	0.1395	0.1885	0.0355	-0.1795	-0.2615	-0.7885	0.1225	0.3725	-0.4595	0.3715	0.1805	0.1575
NPEPPS	687914	0.87	-0.699	-0.298	0.08	-0.081	0.482	0.852	-0.686	0.421	-0.934	-0.581	0.205	-0.28	-0.041	-0.704	0.262	-0.204	-0.14	0.898	-0.887	0.172	-0.916	0.327	-1.09	0.42	-0.622	-0.924	-0.467
NPY	683068	-0.689	-0.266	-0.076	-0.106	-0.997	0.297	-0.978	0.088	0.557	-0.692	0.269	-0.056	-0.478	1.182	-0.419	0.381	0.737	0.551	0.641	0.408	-0.443	0.034	0.327	-0.427	0.273	1.834	0.914	0.684
NQO3A2	697754	-0.199	0.091	-1.165	-0.313	0.363	-0.087	0.288	0.351	-0.222	-0.957	-2.016	-1.958	-0.622	-1.387	-0.887	-0.265	-0.402	-0.774	0.233	-1.118	0.343	-0.53	-2.325	-2.88	-1.513	-1.795	-1.427	-0.743
NRAS	695502	1.071	0.857	1.31	-2.162	-0.395	-2.05	-2.07	0.441	0.73	-0.313	0.073	-0.227	0.06	-3.289	-1.014	0.273	-1.048	0.895	-0.819	0.708	-1.427	0.493	1.043	-2.846	-1.99	-0.369	-0.873	-2.999
NRIP1	684742	-0.1305	-0.5985	-1.3865	1.0815	-0.2595	-0.1695	-0.1595	-1.3335	1.0895	0.8465	-0.4255	0.3435	0.0075	2.1905	-0.5295	0.1425	-0.6655	-0.5945	-0.0075	-0.9975	-1.0955	-0.3935	-0.2245	-0.4715	-1.4645	-0.9895	-0.4045	0.1275
NTN4	686487	-0.5385	0.0365	0.0665	-0.2695	0.1905	-0.6275	0.2345	-0.1275	-0.1165	0.6785	0.2375	0.1875	0.6605	-0.0005	0.4465	0.2885	1.1505	-0.2675	-0.4175	0.2825	-0.7255	0.6715	1.5475	0.4035	0.9645	0.4395	1.4905	1.7715
NUCB2	681359	-0.7685	-0.9395	-0.5815	-1.3575	-1.1575	-0.6095	-1.0265	-0.5485	-0.5545	0.3245	-0.7305	-0.4235	-1.7285	-0.6735	-0.9845	-0.9935	-0.5365	-1.1255	-0.4445	-1.5945	-0.4915	-0.0455	-0.4295	-1.3625	-0.6095	-0.9535	0.1785	-0.1135
NUDT5	695606	-0.607	0.143	0.137	-0.743	0.7	0.056	-0.744	0.668	-0.338	0.11	0.138	0.185	-0.299	-0.631	0.027	-0.526	1.348	-0.021	-0.545	0.269	-0.225	-1.204	0.351	0.586	0.012	-0.221	0.249	0.535
NUDT6	685517	-0.347	1.607	-0.244	-0.046	-0.324	0.386	-0.269	-0.018	-0.002	-0.279	0.008	0.062	-0.204	0.409	0.303	0.064	0.054	0.17	-0.364	0.337	0.312	0.198	-0.218	1.044	0.489	-0.311	0.269	0.828
OCIAD2	695560	-0.4645	0.0345	0.0765	-0.6945	-0.8095	-0.1695	-0.1395	-0.3155	-0.7145	0.1565	0.6225	1.2665	0.2825	0.6255	-1.3065	-0.3785	-1.2515	-0.8365	-1.0945	-0.3425	0.4065	-0.0415	1.7025	0.5385	0.6825	4.5575	0.9075	0.4005
OFD1	683518	-0.4355	-1.1555	-3.3235	0.8935	-2.3235	-1.6035	-1.1595	0.8985	-0.1315	0.9085	1.7145	2.4325	-1.8155	0.2415	-1.8865	0.3575	-0.5205	-1.4645	-0.8655	-0.5335	0.4915	1.0225	-0.3195	0.3655	1.9925	2.2295	0.0095	0.4855
OGFRL1	689994	1.272	2.174	1.933	1.379	0.007	2.298	-0.288	2.539	-0.029	-0.781	0.379	1.174	1.273	2.355	0.252	1.764	0.081	-0.182	2.546	1.173	0.112	-0.124	0.556	-0.242	0.103	0	-0.402	-0.84
OPLAH	694256	1.6235	1.0125	0.1945	-0.0825	-0.7585	-0.3205	-0.1155	0.5625	0.6545	1.3905	0.9175	-0.5555	0.6175	0.4785	-0.1475	0.4975	0.4445	-0.0555	1.0815	1.8395	1.4235	0.1235	3.1285	1.1025	0.9665	1.4505	0.7925	0.8615
ORMDL3	683021	0.041	-0.489	-0.068	0.57	-1.375	0.643	-0.288	-0.428	0.506	-0.911	-0.106	-0.634	-1.169	1.301	-0.569	-0.07	-0.221	-0.757	0.619	-0.035	0.16	-0.077	-0.379	-0.621	-1.424	-1.269	0.184	-1.532
OSBPL3	691049	0.002	0.158	0.215	-0.247	0.315	-0.544	0.131	0.148	-0.117	0.73	0.531	0.184	0.108	0.669	0.157	0.349	1.088	0.288	0.575	0.42	-0.2	-0.251	0.162	0.006	-0.29	0.149	-0.991	0.582
OSR2	681734	0.1455	-0.2715	-0.5635	0.5385	-0.2815	0.8785	0.7565	-0.2965	-0.2165	0.9415	-0.3395	0.4465	0.0275	-0.2765	-0.0825	-0.2145	-0.6175	0.5485	1.1415	2.0045	0.2595	-0.0625	-0.3395	-0.1155	-0.1435	-0.0975	-0.4485	-0.4165
OSTF1	684940	-0.448	0.477	1.801	1.814	-0.567	0.318	0.603	-0.711	0.392	0.756	1.424	1.324	1.996	1.657	0.054	1.011	0.282	-0.345	0.949	0.973	2.151	-0.051	0.615	-1.202	-0.657	-1.89	0.232	1.325
P2RX1	681440	-0.2955	-0.4465	-0.5315	2.2485	0.6075	-0.5835	0.4175	-0.7125	0.1005	1.0055	-0.5005	0.6415	0.3575	0.4455	0.4025	-0.3125	-0.9045	1.5315	3.1245	1.6355	0.1475	-0.1625	0.2745	0.1785	-0.6185	-0.1575	-1.1185	-1.1615
P2RY2	696219	1.562	1.4	-0.129	0.992	1.649	0.165	-0.071	-0.533	-0.12	-0.381	0.106	0.691	0.484	0.788	1.732	0.208	-0.182	-0.57	0.804	1.249	0.22	0.355	0.015	0.358	1.25	1.659	0.194	-0.301
PACAP	697667	0.182	0.237	0.122	-0.289	0.043	-0.149	-0.258	-0.038	-0.377	-0.108	-0.097	0.019	0.702	-0.718	-0.023	0.367	0.153	0.763	-0.184	0.622	0.518	0.422	-1.12	0.172	-0.014	-0.197	-0.715	0.023
PADI2	688464	2.8815	1.4605	-0.7235	1.6095	1.4155	1.1825	1.4975	1.0765	0.9235	3.1595	2.4215	2.1705	0.8995	1.7285	0.1715	2.1535	0.4475	-0.5895	1.8695	0.4305	0.0615	0.3205	2.1785	1.6575	0.1455	-0.7175	0.6345	-1.0225
PAPD5	688131	0.116	-0.529	1.106	0.435	0.262	0.505	-0.135	-0.038	-0.004	-0.379	-0.023	0.512	0.775	-0.357	0.065	-0.031	-0.578	-0.073	0.004	0.577	-0.004	0.423	0.285	0.067	-0.169	0.37	-0.104	0.038
PAPSS2	688187	-0.056	-0.57	-0.495	0.322	0.021	1.123	0.897	-0.266	0.352	-0.49	0.205	-0.248	0.001	-0.302	0.314	0.258	-0.566	0.233	-0.017	-0.315	0.137	0.117	0.575	0.033	0.173	0.71	0.567	0.233
PARD6A	692612	-0.101	0.864	0.651	-0.236	0.001	-0.341	-0.505	0.502	1.217	0.107	0.367	1.234	-0.606	-0.63	-0.851	0.53	0.312	0.58	0.223	0.393	0.734	-0.643	-0.873	0.175	-0.29	-0.606	-0.215	-0.658
PARP1	683432	0.155	-0.396	-0.995	-1.075	-0.381	0.34	0.49	-0.441	0.127	-0.041	-0.514	-0.785	-0.106	-0.119	-0.456	-0.696	-0.174	-0.018	-0.254	0.169	0.019	-0.25	-0.282	0.172	0.147	-0.377	0.178	-0.164
PARP9	695188	-0.5125	1.0395	-0.0845	0.7195	-0.6785	-0.1085	1.0775	0.3915	-0.0465	-0.4545	-1.0195	-0.6645	0.4565	-0.1535	-0.0065	0.4005	0.5625	1.2075	0.6985	0.1385	0.3075	-0.2265	-0.7565	-0.4305	-0.4165	-0.8225	-1.2335	-0.8235

Table 18.

Sample Class		9830-0100 HER2	BC00030-I HER2	030222-M HER2	030064-BC HER2	030521-BC HER2	9819-0003 HER2	BC00051 HER2	BC00063 HER2	BC00087 HER2	9819-0003 HER2	020573-BC HER2	020577-M HER2	BC00036T HER2	BR01-012: HER2	BC00055 HER2	BC00071 HER2	BC00074 HER2	BC00097 HER2	BC00010 HER2	UB-117 HER2	UB-118 HER2	BR94-108 HER2	UB49 HER2	BC00070 BASAL	UB-116 BASAL	PB377 BASAL	BR97-013 BASAL	PB419 BASAL
PAXIP1L	684116 || F	0.5915	0.8055	-0.2365	1.0625	0.5515	0.2685	1.1115	-0.0925	-0.2485	0.0345	-0.5815	-0.6025	0.2345	0.4635	-0.0885	0.0875	-0.0345	0.0275	-0.1275	-0.1275	-0.0655	-0.5885	0.1435	0.1925	0.2085	0.9225	0.4495	1.1205
PBX3	692245 || F	0.0605	0.3345	-0.2455	1.2485	1.5745	-0.4165	0.4835	0.6555	-0.0925	-0.5085	-0.7855	-0.3645	-0.0105	-0.0545	0.1765	0.4405	0.2565	0.1095	-0.0455	-0.2545	0.6675	-0.3345	-0.6445	-0.5785	-0.1735	0.1715	0.1795	1.8175
PCDHB11	681640 || F	1.929	2.36	-1.17	-0.024	-0.534	1.823	3.342	0.697	-0.928	1.106	-1.078	-1.453	1.542	1.812	-1.098	-0.979	0.651	-1.555	1.045	0.963	-0.407	-0.67	0.467	1.191	1.104	2.001	-1.68	2.548
PCDHB16	697521 || F	-0.468	-0.807	-1.383	-0.561	0.054	-0.201	0.088	-0.635	-0.027	-0.883	-0.791	-1.382	-0.508	-0.618	-0.312	-0.482	-0.795	0.761	-0.426	-0.638	0.943	-0.928	-0.943	-0.672	-0.377	-1.227	0.107	-0.831
PCDHB2	684692 || F	-0.3005	-0.2715	-0.1435	-0.8915	-0.3515	0.3245	0.4485	0.3915	0.0495	0.6385	-0.0195	-0.0355	0.2005	0.2315	0.1215	-0.1145	0.2405	0.3355	0.5275	-0.4245	-0.1345	0.1275	-0.1475	0.3025	-0.0825	-0.5305	-0.0445	0.6095
PCM1	685108 || F	-0.1735	-0.0865	0.4725	0.5305	-0.1965	0.1015	0.2705	-0.0455	-0.1685	0.5415	0.1445	0.7335	-0.0825	0.4565	-0.1335	-0.0705	-0.1075	0.7295	1.2855	0.9905	1.7315	0.1325	0.1175	0.7985	1.1605	0.6005	-0.1255	-0.1425
PCNA	683820 || F	-0.252	0.368	0.189	-1.111	-0.188	-0.201	-0.111	-0.52	-0.199	0.577	0.161	-0.311	0.408	-1.117	-0.964	0.473	0.818	0.304	-0.252	-0.017	-0.144	-0.845	-1.099	0.663	-0.584	-1.542	0.247	-0.577
PDCD1	687555 || F	-0.0195	-1.2955	-1.6935	-0.0305	-0.0735	-0.7095	-0.7205	-0.1015	1.2705	-0.8225	-0.6505	-1.2335	-0.2285	0.0095	-1.2285	-1.7615	-1.6745	-1.3545	-1.0325	-1.5115	0.6585	0.0395	0.2315	0.4385	-0.1725	0.0535	-0.5495	-0.6955
PDCD10	694505 || F	-0.01	-0.141	3.7	0.156	-0.49	0.443	0.194	0.476	0.142	0.817	0.13	0.038	0.353	-0.183	0.428	-0.336	1.176	0.373	-0.3	-0.331	0.21	0.067	0.431	0.727	-0.746	-0.206	1.384	0.443
PDCD4	692083 || F	0.4025	0.1455	0.0275	0.7215	0.3625	0.8135	0.5585	0.4845	-0.0715	1.2275	0.3165	0.2015	0.0045	0.5515	0.0135	-0.3095	-0.8135	0.0525	0.4445	0.2705	-0.2725	0.0245	-0.5525	-1.4725	-0.2685	-0.1675	-0.0325	0.4135
PDCD5	682521 || F	-0.3725	-1.0585	-0.4455	0.9265	-0.6455	-0.7665	-0.5295	0.5655	0.7435	-0.6615	0.2635	0.6675	-1.2425	1.6585	0.3475	0.3175	0.5665	0.8675	1.3575	0.9155	-1.1665	-0.3215	0.7365	-0.3415	0.0475	0.7575	-1.0825	-0.7945
PDCD8	697693 || F	0.0075	-0.1755	-0.0135	0.4115	-0.4435	0.6815	0.3275	0.1055	-0.0465	0.3145	0.3825	0.2405	0.6815	0.7845	0.3475	-0.0115	0.5585	-0.2575	0.3665	0.3185	0.0345	0.4245	-0.1615	0.1415	0.4815	-0.0765	0.8285	-0.0075
PDE4DIP	689720 || F	0.7315	-1.5565	0.1275	1.2675	0.3245	1.0055	0.8745	0.4525	0.2935	-0.3825	-0.2535	0.1725	0.6585	0.1035	-0.2935	-0.3525	-2.1485	0.1485	0.1765	-1.5485	0.0605	0.3775	-0.0895	-1.6445	-0.3805	-1.8745	-0.0275	-1.1485
PDHA1	684251 || F	-1.618	-0.022	-1.096	1.701	1.006	0.519	0.058	3.173	-1.605	-2.293	1.37	0.28	-2.104	-1.29	-1.108	-0.452	0.88	0.767	-1.27	1.023	-2.392	-1.092	-0.468	1.959	0.952	1.538	0.953	0.022
PECI	689878 || F	0.0915	-0.0975	0.0785	-0.3275	-0.6825	-0.6925	-0.6365	-0.3115	-0.5115	0.1625	-1.0755	-0.7905	-0.7305	-0.5585	-0.2795	-1.0475	-0.4705	-0.7395	-0.4665	-1.3675	-0.3625	-0.5825	-1.1055	-2.0215	-1.1605	-1.8565	-1.7365	0.5205
PEG10	687554 || F	1.2945	1.2655	-1.2295	-0.4265	1.1865	0.2795	1.0245	-0.7245	-0.0825	0.5595	0.2915	0.3845	0.1565	1.4935	-0.0605	0.5495	2.8335	0.4005	-0.5125	-0.4095	-0.8125	-0.3095	0.4125	0.7615	0.4895	-0.7765	0.6285	0.8015
PER2	688213 || F	0.527	-0.62	-0.408	-1.085	-0.45	0.594	1.178	-0.321	0.005	-0.375	-0.155	-0.416	0.24	0.252	0.158	-0.593	0.262	-0.005	-0.248	1.513	0.165	0.358	0.064	0.138	0.332	-0.216	0.071	0.187
PERP	683121 || F	-0.7555	0.4425	-1.0415	-1.4725	-0.6255	-0.4715	-0.1415	-0.4205	-0.1775	-1.0165	-0.6485	-0.8915	-0.0025	-0.7025	-0.2705	-0.1205	-0.2535	-0.2705	-0.4165	-0.5165	0.1795	0.2605	-0.8655	0.3525	-0.4825	0.0715	-0.4465	-0.3175
PEX1	686946 || F	-0.029	0.24	0.322	-0.05	0.609	0.214	0.088	0.14	0.612	-0.218	0.433	0.581	-0.115	-0.491	0.568	-0.211	0.528	-0.383	-0.26	0.142	-0.091	-0.111	0.394	0.083	0.323	0.577	0.751	0.878
PFAAP5	683100 || F	0.0055	-0.1965	-0.5295	-0.0055	-0.1665	-1.0345	-0.2165	-0.9125	0.4815	0.8505	-0.6565	-0.7175	-1.0365	0.2325	-0.6525	0.6455	0.1125	0.1445	-0.6895	0.8625	1.2045	0.8195	-0.9655	0.9525	0.1535	-0.9805	0.6435	1.3965
PFDN2	687458 || F	-0.302	-0.137	0.402	-0.899	-0.277	-0.372	-0.452	0.724	-0.822	-0.436	-0.095	-0.151	-0.874	0.251	-0.23	0.245	-0.022	0.883	-0.224	-0.725	-0.23	-0.521	-0.035	-0.674	-0.117	-0.153	-0.352	0.099
PGM1	681276 || F	-0.5265	0.2805	-0.1225	-0.1035	-0.5635	0.1455	-0.1875	0.3335	0.6775	-0.2745	0.1085	0.2595	0.3075	-0.0225	0.3015	0.1385	-0.4665	0.2965	0.2885	-0.2195	-0.5185	-0.8775	-0.5755	-0.2365	-0.2245	-0.9605	0.0905	-0.1205
PGR1	689407 || F	-0.6715	0.0165	-0.0095	0.6115	0.3135	0.5505	0.2075	0.1605	0.8015	0.2245	2.0145	2.2325	0.4005	1.5395	-0.8665	-0.1715	0.7755	-0.3915	0.0275	-0.7515	-0.9015	0.1065	-1.0305	1.0185	1.0835	2.1435	2.1085	2.5735
PHAX	692593 || F	0.021	0.559	-1.288	-1.06	0.391	0.794	1.11	-0.445	-0.665	0.148	0.243	0.697	-0.729	0.661	-0.765	-0.313	1.464	-0.78	-0.149	0.823	-0.893	0.536	1.689	-0.527	0.404	0.988	0.89	2.212
PHGDH	682626 || F	-0.5355	-0.8025	1.0465	-0.6335	-1.9675	0.4365	-1.8215	1.2795	1.8755	-1.0665	0.4815	0.4375	1.4035	-1.5485	-0.3355	-0.3285	-2.0545	-0.5795	-0.4095	-0.3845	1.4455	0.5545	0.0095	-1.4985	-1.2425	-1.6165	-0.9895	-2.2325
PHYH	689499 || F	0.1245	-0.0305	-0.4935	-0.8805	-0.6005	-0.2385	0.6705	-0.2595	0.4025	-0.4315	-0.4005	0.0695	-0.1915	0.5305	-1.1405	-0.4185	-0.2585	-0.5185	-0.6135	-0.3245	0.1285	-0.1265	-0.5505	-0.7275	-0.1745	-1.0015	-0.9435	0.1585
PIB5PA	691558 || F	0.1295	-0.2185	0.0835	-0.4485	0.2025	-0.5205	1.1335	-0.5265	-0.7755	-0.3445	-0.3435	0.8695	0.3605	0.3845	-0.4065	-0.7305	-0.7855	1.0925	2.7205	2.3865	0.6155	0.0015	-0.0765	0.1755	0.1405	0.5505	-0.0905	-0.5495
PIGT	688448 || F	0.342	-0.331	-0.272	-0.112	1.487	-0.269	-0.837	0.054	0.107	0.22	-0.423	0.261	1.403	0.313	-0.291	-0.428	-0.897	-0.607	-0.072	-0.088	0.077	-0.082	-0.711	-0.323	0.077	0.059	-0.319	-0.564
PIM2	697074 || F	0.0965	0.6395	-0.5045	0.5945	0.8295	0.0855	1.4195	0.1595	-0.0435	0.4705	0.8055	1.0355	0.2925	2.0115	0.4205	2.9235	0.5665	0.0865	0.4595	0.8105	0.4235	0.3135	0.4115	-0.1725	-0.3735	-0.3685	-0.2075	2.0465
PISD	696850 || F	0.583	1.615	-1.745	0.118	0.645	-1.191	1.898	-0.735	-0.184	1.216	0.085	1.537	2.071	-0.043	-1.881	0.604	3.012	-1.441	-0.088	-1.144	-1.751	0.627	-0.692	-1.746	-1.991	-1.695	-1.082	-2.164
PITPNC1	694234 || F	-0.3855	1.8015	0.4405	-0.0785	-1.0535	0.3815	1.0065	0.0025	0.1645	1.3905	0.5635	1.1985	1.0365	0.5245	0.5735	-0.2285	-0.1025	-0.4095	0.1165	-0.1215	-0.2915	0.2845	0.1815	0.7485	0.3805	-0.3445	0.3375	1.2055
PKIB	681591 || F	0.542	-0.121	-0.078	0.984	0.095	0.367	-0.356	-0.701	-0.156	0.235	-0.426	0.009	0.577	0.157	-0.29	-0.581	-1.012	-0.434	0.629	0.565	0.329	-0.223	-0.155	-0.784	-0.334	-0.591	-0.664	-0.07
PKMYT1	686037 || F	-0.088	-0.174	-0.021	0.388	-0.917	-0.15	-0.324	0.717	0.183	-0.231	-0.018	0.513	-0.828	0.001	-0.001	-0.142	-0.732	0.451	0.869	-0.158	1.997	0.618	-0.245	0.277	-0.622	0.425	-0.949	0.013
PLA2G4B	695710 || F	1.2575	-0.1605	-0.2695	0.9905	1.0385	0.0195	1.5615	-0.1465	0.6915	-0.1245	-0.3065	-0.9125	1.0925	-0.2205	-0.2255	0.1325	-0.7835	-1.2235	0.5925	0.1935	0.2145	-0.1035	-0.2215	0.9815	0.6815	0.1955	-0.6655	-0.3755
PLAC8	692243 || F	-0.034	-0.13	-0.07	-0.03	0.164	0.282	0.315	-0.167	-0.055	0.436	-0.261	0.27	0.047	1.558	0.718	0.535	-0.41	0.423	0.231	0.453	-0.026	0.26	-0.214	1.346	-0.526	0.58	0.58	0.53
PLCB1	681242 || F	-0.2405	-0.0145	-0.9515	0.8795	1.9745	0.3555	0.3855	0.2295	-0.3675	0.8755	0.2495	-0.1175	0.8685	0.9795	0.1795	0.3735	1.3815	-0.1995	0.1855	0.8775	-0.7075	-1.0565	0.0865	-0.2055	1.3575	-0.1535	-0.2105	0.5085
PLCXD1	686574 || F	-0.214	1.717	0.123	0.993	0.335	0.044	0.977	0.938	0.001	0.342	0.531	-0.032	0.824	2.16	-0.001	0.963	0.308	0.065	-0.114	0.672	0.357	0.334	-0.575	1.431	2.098	1.448	1.085	0.518
PLEK2	686964 || F	0.3205	0.2695	0.1675	-0.6655	-0.1595	0.6755	1.1175	-0.2045	0.6705	0.5415	0.1755	-0.4675	0.0595	-0.2755	0.5405	0.7775	0.4245	0.0245	0.1565	0.4365	-0.0015	-0.0495	-0.0375	0.3185	0.3415	0.5825	0.2755	0.3505
PLOD	690311 || F	1.3265	0.3835	1.2905	-0.1285	-0.1075	-0.3215	0.0345	0.1075	-0.1665	0.3255	0.0855	0.3615	-0.5245	-0.0355	-0.1235	-0.0705	-0.0785	-0.0285	0.2975	-0.6195	-0.3215	0.2295	0.1175	-0.2725	-0.3575	-0.0595	-0.0035	-0.5325
PNAS-4	695276 || F	2.2795	0.8475	-1.1065	1.7165	-1.4675	0.1795	1.7945	-0.1975	-0.1835	-0.3115	-0.7845	0.0385	-1.3255	-0.0745	-0.0045	0.4645	2.3275	0.3365	0.8925	-0.3415	2.3585	0.1265	-0.0265	-0.0145	0.6475	2.8705	-0.0965	0.6765
PNLIPRP2	692823 || F	-0.7225	-0.0575	-0.4155	0.1785	0.2395	0.7785	0.1815	-0.6105	0.3385	-0.6475	1.2125	0.9835	-0.5265	-1.1995	-0.6545	-0.3965	-0.8775	0.7495	-0.3925	-0.5825	0.0985	-0.7275	0.0645	-0.2215	0.0485	0.6245	-0.0675	0.1615
PNMA3	695191 || F	-0.1565	-0.0895	0.0745	-0.2365	0.6525	-0.2875	-0.0905	-0.0015	0.2855	0.1735	0.1515	0.2985	-0.6545	-0.5025	0.3555	0.0615	0.1545	-0.6055	-0.1595	0.3705	0.0765	-0.4945	-0.4155	0.2865	0.7185	0.6575	1.7145	0.5535
POLB	688899 || F	-0.147	-0.311	0.629	0.627	0.029	0.551	1.15	0	0.292	0.065	-0.166	-0.15	0.341	0.14	-0.31	-0.002	0.029	-0.613	-0.185	0.134	0.945	-0.063	-0.058	0.105	-0.04	0.66	0.785	-0.319
POLR2F	695452 || F	0.7415	0.3745	-0.4355	0.1125	-0.1625	0.1715	-0.1625	0.4205	-0.1945	-0.1795	-0.2745	0.2955	0.0865	0.1365	-0.2995	-0.2725	-0.8045	0.0005	0.1185	1.1575	0.1025	-0.5435	-0.4355	0.3955	0.0965	0.8935	-0.2835	-0.2505
POLR2H	692429 || F	0.3705	-0.0175	-0.5545	0.1725	-0.2915	0.2395	0.0775	-0.0545	0.0835	0.4265	0.8405	0.3595	-0.2805	0.2335	-0.1555	-0.3115	0.5985	0.6085	0.1095	0.1615	0.3335	-0.3475	-0.0025	-0.0275	-0.2845	-0.8485	1.2895	-0.2325
POMC	683917 || F	0.113	-0.606	0.265	-0.1	0.403	0.517	1.459	-0.517	0.195	0.422	0.173	0.001	0.334	0.238	-0.401	-0.829	0.064	-0.01	-0.086	0.547	-0.251	0.236	0.377	-0.474	-0.001	-0.013	0.345	0.787
POP4	687322 || F	0.148	0.066	-0.063	0.49	0.693	0.202	0.19	0.62	-0.275	-0.905	-0.224	-0.617	0.324	-0.061	-0.141	0.086	-0.824	-0.537	-0.189	0.256	0.487	0.306	0.161	0.155	0.928	0.067	-0.352	-0.024
POP7	688981 || F	-0.042	0.078	0.534	-0.466	0.124	0.81	-0.116	0.609	0.514	-0.678	-0.131	-0.451	0.019	0.283	-0.157	0.265	-0.098	0.093	0.078	0.601	0.298	0.237	1.228	-0.284	0.558	-0.303	0	-0.103
PP1057	694894 || F	-0.0785	0.4135	-0.6525	0.1135	0.4515	0.0615	0.6445	-0.4715	1.2805	0.4885	-0.2875	0.0615	-0.0175	0.5175	0.8305	0.1925	-0.1605	0.8255	0.0465	0.0145	-0.0455	-0.4195	0.5205	0.4705	0.2035	-0.5605	-0.3705	0.0175
PPFIA1	684365 || F	-0.033	0.063	-0.154	0.583	-0.055	0.383	0.58	0.618	-0.078	0.473	0.343	0.6	-0.351	0.936	-0.449	0.263	0	0.012	0.4	0.075	0.065	0.176	0.273	-0.149	-0.015	0.507	-0.325	-0.445
PPFIBP2	688244 || F	-0.3265	-0.3025	0.0805	-0.3445	-0.0035	-0.0125	-0.3875	-0.4155	0.2275	-0.0475	-0.2625	-0.5035	0.1725	-0.2585	-0.1365	-0.1735	0.2215	-0.1105	-0.1585	0.2175	0.1805	-0.1035	-0.8845	-0.0045	-0.0925	0.6175	1.8715	-0.1915
PPGB	696506 || F	0.4535	-0.0015	-0.1855	0.4995	-0.3365	-0.5475	0.9165	-0.5215	-0.1505	1.8685	1.0425	1.9175	0.2945	1.4575	-0.1845	-0.7045	0.2965	-0.8915	0.2025	-0.1455	-0.4885	-0.3985	-0.6075	0.5245	0.0865	-0.5945	0.2015	-0.0645
PPHLN1	681157 || F	0.0335	-0.2925	0.0845	0.5915	-0.6625	-0.2345	-0.4805	0.3155	0.0575	0.4025	0.2435	0.5015	0.0585	-0.1585	0.1445	0.0495	-0.2005	0.0685	-0.0045	-0.5205	0.2745	-0.4535	-0.3175	0.3475	0.7775	-0.1155	0.0915	0.9815
PPIF	685607 || F	0.0815	-0.1045	-0.7215	0.7825	-0.4065	-0.0035	0.6055	-0.5465	0.2395	-0.9315	0.0425	0.2755	-0.0245	0.3385	0.5105	-0.8825	-0.2615	-0.2895	-0.1485	-0.1445	0.3485	0.3905	-0.2495	0.2855	0.1905	0.4605	0.0145	0.5855
PPIL1	693349 || F	-0.5505	0.6935	-0.9275	-0.2625	-0.2165	-0.3075	-0.2595	0.0385	-0.8365	-0.2775	1.2405	1.6435	1.8865	0.2905	-1.0975	0.0825	0.5455	-1.0135	-0.0045	-0.4335	1.0945	0.6615	0.4775	0.3555	0.7455	1.8755	0.3545	1.1075
PPOX	688128 || F	-1.343	0.195	-0.175	-0.077	1.056	1.572	-0.574	-0.484	0.81	-1.769	-0.595	-0.246	-0.56	-1.839	-1.175	-0.648	-0.742	-0.637	-1.962	-1.096	-1.8	0.01	-0.561	-1.72	-1.352	-0.404	0.067	-0.716
PPP1R16A	684680 || F	0.464	0.085	-0.066	0.56	0.828	0.448	0.75	0.004	0.355	0	-0.001	0.449	0.547	1.103	0.198	-0.112	-0.22	0.428	0.164	-0.209	-0.076	-0.039	0.109	0.066	-0.222	-0.234	-0.681	0.4
PPP1R3C	688073 || F	0.291	-0.768	-1.053	0.02	-0.21	-0.174	0.809	-0.774	-0.15	-1.427	-0.101	0.623	-0.201	-0.607	0.046	-0.188	-0.761	0.069	-0.05	-0.633	-0.19	-0.427	-0.209	-0.714	-0.45	0.726	-1.197	-1.295
PPP2R2D	689931 || F	-0.9285	1.3255	0.5405	-0.4605	1.2045	0.8835	-0.3695	0.2265	-0.2485	0.8425	1.5205	4.0025	-1.1015	-0.3685	1.4795	3.4585	1.9665	1.5725	2.4535	0.3525	-0.9745	0.0205	1.7675	2.1765	4.2195	2.3965	2.3155	0.1255
PPP2R5A	686848 || F	0.025	-0.284	0.28	-0.076	-0.763	0.294	0.273	0.012	0.469	-0.078	0.236	0.16	0.335	-0.117	0.099	-0.337	-0.456	0.011	-0.196	0.434	0.071	-0.37	-0.028	0.56	0.57	-0.016	0.49	0.962
PRAME	690640 || F	-0.0515	-0.0465	-0.3555	-0.0665	0.2885	0.8685	0.3765	-0.2575	-0.0395	0.4075	0.1815	-0.0575	0.3965	0.4705	0.3575	-0.0475	-0.0185	0.1335	-0.0675	0.9835	1.4585	-0.0625	0.4075	1.3705	0.5265	-0.1395	0.7895	0.8735
PRC1	685404 || F	0.59	0.589	0.246	0.004	-0.004	-0.329	-0.01	0.261	-0.051	-0.458	-0.07	-0.445	-0.43	-0.186	-0.252	-0.209	0.188	0.068	0.589	-0.204	0.53	-0.035	-0.132	-0.149	-0.59	-0.487	0.06	-0.36
PRIM2A	687823 || F	-0.0705	-0.3115	1.2345	0.2435	0.0165	-0.4075	-0.5055	-0.2335	-1.3025	-0.2735	0.7275	0.5945	-0.6715	0.4385	-0.0685	0.0175	0.0835	1.3085	1.8415	0.1705	2.4615	0.5085	-0.2795	0.6545	0.0885	0.5265	-1.3085	-0.5055
PRKACB	696518 || F	0.32	-0.159	-0.244	-0.732	0.193	0.401	-0.521	-0.276	0.302	-0.186	-0.872	-1.332	1.327	-1.355	-0.932	-0.784	0.025	1.156	-0.784	0.369	0.693	-0.438	-0.254	-0.149	0.22	0.207	0.699	-0.313
PRKCB1	694132 || F	-0.496	0.065	-0.322	-0.948	-0.749	-0.19	-0.114	0.361	0.107	-0.514	0.233	-0.37	0.257	0.285	0.003	0.294	-0.071	-0.467	0.189	-0.211	0.087	0.088	-0.278	0.032	0.052	-0.027	0.45	0.251
PRKCI	686943 || F	-0.484	-0.429	-0.348	0.779	-0.05	0.268	-0.302	-0.246	0.947	0.695	-0.049	0.311	1.2	-0.483	0.121	0.002	-0.473	-0.002	-0.404	0.267	0.539	0.742	1.297	1.405	2.6	0.642	0.943	1.37
PRKRIR	684358 || F	-0.0165	0.4155	-0.4095	-0.2175	0.4825	0.9635	-0.5215	0.0205	0.3345	-0.2895	0.0025	-0.3445	0.0035	-0.3165	0.6715	-0.2165	-0.2805	-0.3645	0.4945	0.2535	0.9765	0.1715	-0.0025	2.0225	0.9645	1.2035	1.3495	1.9285
PRKWNK1	683385 || F	0.2655	0.7425	-1.4835	-1.3055	-2.1655	-0.8705	-0.4815	0.4665	-0.5665	0.1135	-0.6045	-1.1085	-2.5305	-1.0325	-0.6335	0.0765	0.4045	-0.5765	0.6555	-0.4455	0.0555	-1.1435	-1.5365	-0.3305	0.3845	0.0375	-0.7875	-0.0085
PRKX	686136 || F	-0.202	-0.178	0.805	0.278	-0.06	-0.239	0.591	-0.023	-0.513	-0.115	-0.249	-0.002	0.031	-0.051	-0.075	-0.149	-0.258	0.988	3.008	1.832	0.128	0.318	-0.063	-0.288	-0.025	0.22	0.247	-0.249
PRNP	692320 || F	-0.0855	0.4075	-0.3805	-0.4455	0.2065	0.4845	0.4995	-0.3375	-0.7485	0.4435	-0.0015	-0.2695	0.0815	-0.0215	-0.2975	0.1785	0.8665	0.0765	0.0025	0.2465	-0.4855	-0.4535	0.8205	-0.3115	0.5455	-0.4445	1.0105	2.4845
PROL5	684331 || F	-0.4415	0.1315	-1.0645	-0.2795	-0.5475	0.5275	0.5215	0.1675	-0.7285	-0.4835	-0.9445	-0.9075	0.1695	-0.6805	-0.0035	0.7275	-0.2315	-0.3125	0.0365	0.8305	0.0245	-0.0505	-0.1895	-0.0905	-0.1685	-0.3365	-0.8175	-0.3225
PRPF18	685943 || F	-0.6845	0.0585	0.1835	-0.5325	-1.4745	-0.2825	-0.4795	-0.0245	0.3035	-0.0465	-0.4845	-0.7945	0.3185	0.3335	0.1185	-0.4995	0.3275	-0.6095	0.1715	-1.3825	-0.5905	0.0905	0.0925	1.3505	-0.6155	0.0165	0.2085	0.4915
PRPSAP1	681061 || F	0.0735	0.9865	-1.7905	-0.8375	-1.5815	-2.2165	-2.0135	-1.9385	0.6815	1.8185	-0.2145	-0.2665	-2.2375	-1.1275	0.2115	-0.7005	-1.2795	-0.3905	0.1575	0.0555	-0.6465	-0.1415	0.1275	0.1775	-0.5495	-1.5285	0.5945	-1.9625
PRSS12	692634 || F	0.1875	-1.4585	-0.5205	0.5625	1.5785	-0.2695	0.4825	0.1105	-0.0295	-0.9165	-1.2675	-1.5225	-0.1845	-0.7105	-1.1675	-0.6315	-0.7185	-0.6375	-1.0385	0.0825	-0.4775	-0.7955	-0.8545	-2.2555	-0.8165	0.5305	-0.7945	-0.0675
PRSS16	695121 || F	0.2465	0.3475	-0.2735	0.2275	0.5765	0.7635	-0.4785	-0.1385	0.6035	0.8045	0.3995	0.3105	0.7535	0.8395	0.4295	-0.0475	1.1705	0.7605	0.1075	-0.0835	-0.3455	-0.0365	-0.8445	-0.2735	-0.7455	-0.4035	0.1915	0.6735

WO 2007/061876 PCT/US2006/044737

Table 18.

Sample		9830-0100	BC00030-I	030222-ME	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-ME	BC00036T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
PSD3	688328 || F	-0.0505	-0.0655	-0.0815	0.4595	0.0915	0.8105	0.5735	0.3425	0.0655	0.6205	0.7555	0.3655	0.3595	0.6905	0.2505	0.2565	0.3485	0.4215	0.1485	0.3195	1.1065	-0.2285	0.3355	0.2325	0.2795	-0.0575	0.7535	0.6775
PSMA3	682239 || F	-0.323	0.148	-0.211	0.478	0.059	1.223	-0.263	0.233	-0.399	0.233	0.202	0.243	0.077	1.238	0.718	-0.053	0.001	0.093	1.824	2.179	0.244	-0.001	0.788	0.158	0.235	-0.313	-0.398	0.065
PSMA7	694665 || F	-0.335	0.701	-0.611	0.284	0.312	0.728	-0.897	0.264	0.229	0.486	0.568	0.557	0.071	-0.689	-0.075	0.298	0.908	0.417	0.223	-0.172	-0.599	-0.348	-0.46	-1.103	-1.041	-1.012	-0.567	-0.092
PSMC5	687471 || F	-0.0205	-0.4485	-0.1195	0.0455	1.0185	1.3285	0.4475	0.2195	-0.5335	0.8935	-0.7205	-0.6225	-0.3175	2.8215	0.3445	3.0805	-0.1615	0.3955	-0.0285	-0.0815	-0.1275	-0.0635	-0.1635	-0.6175	-0.2985	-0.6475	-0.8355	1.0635
PSMC6	693728 || F	-0.577	0.079	0.067	-0.473	-0.192	0.915	-0.051	0.027	0.249	0.68	0.674	0.146	0.336	1.67	0.923	3.274	0.626	0.675	0.31	0.713	-0.254	-0.159	-0.002	0.002	-0.655	-1.018	0.074	0.399
PSMD12	697390 || F	1.9495	3.1405	2.4045	2.3415	-0.1685	3.5965	-0.3925	3.0655	-0.3275	-0.0295	1.3465	2.4315	2.8335	2.9205	1.1775	1.8825	0.6035	-0.4495	3.7685	-0.3485	0.3155	-0.4995	1.2245	-0.4485	0.5695	0.5085	-0.0055	0.2875
PSMD12	697530 || F	-0.5175	1.8355	-1.6195	0.3915	0.6445	0.2795	0.6625	-0.2305	0.1355	-0.3655	1.8295	1.3915	1.4445	1.2155	1.7605	-1.2435	0.0105	0.6955	1.0145	1.1425	-1.4735	0.2845	-0.7885	1.0895	-2.0025	0.0145	-0.2685	-0.3455
PSMD3	681750 || F	-0.4635	0.0615	-1.4125	-0.5175	-1.0655	-0.3355	-0.8915	-0.1545	0.1315	0.5595	-0.5895	-1.1905	0.6825	-0.3645	0.3865	-0.2995	-0.1105	-0.1665	0.4835	-0.6255	-0.5135	0.2705	0.0245	0.9375	-0.0565	-0.0235	0.1455	0.1185
PSPH	685810 || F	1.143	0.091	-0.387	-1.058	-1.072	-0.344	-0.112	0.312	-0.077	-0.427	-0.286	-0.795	-0.677	-0.723	-0.366	-0.692	-0.494	-0.533	-0.127	1.774	0.249	0.684	0.792	-0.653	0.665	-0.549	-0.765	-1.601
PTD012	684256 || F	-0.272	0.537	-0.247	-0.091	1.101	-0.204	-0.258	0.593	1.959	-0.376	-0.275	-0.188	-0.226	-0.007	-0.134	0.019	0.126	-0.158	-0.434	0.113	-0.356	-0.1	-0.091	-0.232	-0.313	-0.295	0.337	-0.01
PTGER3	685654 || F	0.825	0.338	0.929	0.805	-0.187	0.361	0.942	-0.465	0.609	0.995	0.337	1.015	-0.953	1.443	-0.316	-0.312	0.54	0.108	-0.01	0.257	-0.571	-0.044	0.188	-0.159	-1.002	-0.581	-0.888	-0.625
PTHLH	683001 || F	0.3525	0.1185	-1.2615	-0.2145	-0.2395	0.2005	-0.3715	-0.0485	0.3415	0.0435	-0.1125	-0.3745	-0.0065	-0.7115	-0.2275	-0.3235	-0.6775	-0.1225	0.2805	-0.2425	0.6515	-0.3635	-0.0965	0.3285	0.4885	0.0225	-0.0655	0.4455
PTK6	690829 || F	-0.513	-0.145	0.096	-0.142	-0.014	-0.104	-0.027	0.243	-0.133	0.115	0.074	-0.196	-0.208	0.785	-0.178	0.23	0.164	0.599	1.328	0.78	1.378	0.315	0.073	0.389	0.462	0.709	-0.381	0.169
PTPN4	693676 || F	0.495	0.407	0.123	1.474	0.8	0.481	0.603	-0.271	-0.151	0.254	-0.147	0.23	0.475	0.44	-0.699	-0.166	-0.865	-0.4	-0.357	0.9	-0.65	-0.019	-0.168	0.34	1.94	0.944	1.079	0.503
PTPN7	687685 || F	0.145	-0.125	0.122	0.317	-0.009	-0.28	-0.346	0.17	1.579	-0.196	-0.078	1.588	-0.592	-0.172	-0.156	-0.102	-0.235	0.511	-0.227	-0.991	0.169	0.21	0.155	-0.277	-0.568	-0.084	0.965	-0.729
PTPRF	684441 || F	-0.114	-0.189	0.135	0.081	0.387	-0.502	0.898	-0.297	-0.473	-1.154	0.518	-0.265	-0.009	-0.192	-0.054	-0.262	-0.241	-0.158	-0.425	-0.559	0.075	1.023	-0.207	-0.082	-0.4	-0.072	-0.257	-0.584
PTPRN2	685456 || F	-0.5455	0.0355	-0.5735	-0.6025	-0.3325	0.1215	-0.7645	0.4305	0.1975	0.5995	0.5185	0.3975	0.3385	-0.6125	-0.3205	0.7875	0.6885	0.0135	-0.3265	0.1835	-0.4805	-0.1995	-0.3875	0.5815	0.3575	0.3905	-0.0255	1.0335
PTPRT	694229 || F	0.0075	-0.1605	0.4015	-0.0415	-0.5835	0.1365	0.4965	0.1225	0.5605	0.3185	0.5395	0.4825	0.3715	1.3045	-0.1855	0.2225	0.4985	0.3235	-0.4105	-0.4985	-0.1995	-0.3535	-0.5085	2.1785	0.8015	0.0905	1.4185	0.8455
PTS	691288 || F	-0.485	0.767	-0.342	0.293	-0.551	1.005	0.578	0.053	0.554	0.153	0.483	0.565	0.277	-0.057	-0.356	0.292	-0.395	0.878	0.161	-0.338	-0.485	-0.533	-0.155	-0.358	-0.154	-0.608	1.038	0.782
PTTG1	687187 || F	-0.1485	-0.4255	-0.4315	0.0235	0.5385	0.0005	0.5875	-0.8325	-1.2305	-0.7505	-0.5215	0.2205	0.0585	-0.4485	-0.2675	-0.4515	-0.5845	-0.0785	-0.9415	-0.6435	-0.5555	-0.0645	-0.5615	-0.1145	0.6085	-0.8995	0.4015	0.5985
PURB	697166 || F	0.0155	-1.4665	-0.5705	-0.1265	1.0995	0.4475	-0.6115	-0.3095	0.0195	0.2455	0.3705	-0.2305	-0.5125	1.0485	-0.7295	-0.2615	-1.6065	-0.2505	-0.8545	1.0335	1.6315	0.4875	1.5595	-0.9775	-0.1875	-0.3755	-1.9585	-0.7575
PXMP2	694802 || F	0.0615	0.5735	-0.4005	0.3775	-0.0765	0.6835	1.3635	0.2695	0.6255	1.2605	0.7285	0.8965	0.4035	1.6155	0.0125	-0.0765	0.8965	0.0175	0.8065	-0.2435	0.0825	0.5515	0.1055	0.0215	-0.3895	0.0585	-0.2045	-0.5635
PYCARD	696817 || F	-0.213	-0.293	0.044	0.41	-0.87	-0.388	-0.21	0.963	-0.089	0.067	0.118	1.109	-0.272	0.85	-0.647	0.024	-0.221	-1.019	-0.689	-0.957	-0.284	-1.168	0.115	-1.322	-0.88	-0.613	-0.742	0.002
PYCR1	683284 || F	1.072	1.288	0.114	0.95	1.598	1.782	1.132	0.587	1.33	1.085	1.005	0.893	1.395	2.382	1.116	0.978	0.745	0.716	1.852	0.171	0.203	1.067	0.496	0.243	-0.804	0.056	0.517	-1.106
QDPR	695556 || C	0.3775	-0.6065	-0.1095	-0.9975	-0.1405	0.6405	-0.4495	-0.5175	0.8125	-1.6785	0.8345	1.1365	-0.3795	-0.5265	-0.6735	-0.2495	-0.8785	-0.0535	-0.9555	-0.3845	0.1795	-0.4095	0.5455	-0.5825	0.1285	0.4745	-0.5795	0.3535
QPRT	681328 || C	0.215	0.188	0.301	-0.384	-0.314	0.046	0.826	-1.217	1.472	-1.038	-0.16	0.113	-1.202	-1.172	-2.179	-1.146	-0.898	-0.158	-0.263	0.54	1.533	-0.813	0.507	-1.907	-1.874	-1.363	-0.67	-1.669
QSCN6	691861 || C	1.5345	0.5785	-0.7575	3.8625	0.3105	1.9365	1.0655	-1.2545	1.1075	0.1835	1.2275	1.4415	1.1335	0.6175	-1.3875	-0.0805	0.9365	1.3025	0.0005	0.3525	0.5045	1.0025	2.1075	-0.7585	-0.6975	0.3545	0.2375	0.0495
RAB11FIP	697353 || F	0.116	-0.17	0.007	0.331	-0.006	-0.356	-0.562	-0.443	0.135	-0.281	-0.042	0.612	-0.342	-0.133	-0.197	-0.281	-0.075	0.016	-0.443	0.11	0.001	0.083	0.595	0.121	0.136	0.359	0.266	-1.245
RAB11FIP	692380 || F	0.164	0.041	-0.088	1.407	0.847	-0.316	0.123	-0.108	1.325	0.65	0.176	1.081	-0.189	0.289	-0.124	0.68	0.487	0.175	0.744	1.303	0.088	-0.734	-0.308	0.999	0.12	-0.514	-0.171	0.126
RAB13	681521 || F	0.044	-0.007	0.219	-0.528	-0.196	0.508	-0.568	0.132	-0.048	-0.066	-0.133	-0.096	-0.375	-0.395	-0.349	-0.26	-0.345	-0.09	0.373	-0.28	0.144	0.095	-0.334	-0.226	-0.632	-0.241	0.709	-0.47
RAB27A	689787 || F	-1.091	-0.829	0.763	-1.344	-0.006	-0.642	-1.631	0.011	-0.705	-1.881	0.001	-0.66	2.124	-0.672	-1.237	-0.412	-0.973	-0.433	-0.964	0.273	-0.816	0.081	1.365	0.022	0.248	0.217	-0.205	0.085
RAB30	690906 || F	-0.1635	-0.2755	-0.1995	1.0755	0.9595	0.5115	0.4605	-0.2515	0.1485	0.2305	0.4515	0.5105	0.6735	0.9755	-0.2105	-0.0045	0.5815	0.3505	-0.0685	0.7475	-0.1055	0.0385	0.4515	0.7675	0.5285	-0.3715	0.2225	0.9485
RAB34	687074 || F	-1.414	-0.438	0.104	-0.108	0.214	-0.7	-0.358	-0.453	0.318	-0.406	0.205	0.125	-0.505	0.06	-0.091	0.217	0.108	0.679	0.389	-0.516	0.958	-0.181	0.006	0.371	-0.607	-0.32	-0.006	0.235
RAB35	689469 || F	0.139	-0.088	-0.505	0.203	0.103	-0.125	0.414	-0.059	-0.081	-0.155	0.136	0.308	0.037	0.304	0.041	-0.075	-0.064	0.038	-0.192	-0.079	-0.019	-0.277	-0.913	-0.041	0.227	-0.435	-0.041	0.399
RAB39B	696999 || F	1.0775	-0.8905	-0.6715	-0.4965	0.9245	-0.2285	0.4295	0.0235	-0.2875	-0.3205	0.6625	0.4105	0.2535	1.9245	-0.4835	0.1365	0.3425	0.2645	-0.7755	0.3905	-0.1495	0.3455	-0.5435	0.4555	-0.0915	3.6985	0.0105	-0.5415
RAB3A	686794 || F	0.379	0.009	0.143	-0.127	-1.708	1.052	-0.288	-1.455	-0.462	1.334	-0.156	-0.66	-0.172	-0.701	-0.825	-0.54	-0.301	1.189	-0.058	-2.329	0.249	1.833	2.468	-1.115	0.697	-0.009	1.315	0.77
RAB3IP	690420 || F	0.127	-0.33	-0.159	-0.3	-0.624	0.22	-0.508	-0.363	-0.327	-0.38	-0.512	-0.284	-0.606	0.266	-0.327	0.015	-0.354	-0.291	0.824	-0.001	0.99	-0.692	-0.214	-0.028	0.692	0.072	0.033	-0.081
RABEP1	687547 || F	-0.716	-0.771	-0.244	-0.496	-0.678	0.413	0.744	-0.359	0.055	0.501	0.576	-0.278	0.323	-0.138	0.42	0.596	0.695	0.824	0.026	-0.473	-0.026	-0.358	-0.554	1.076	0.37	-0.661	0.656	0.731
RABGAP1	694298 || F	-0.4415	-0.1595	-0.6845	-0.0925	-0.8625	-0.1585	-0.8915	0.1175	0.0925	0.8225	-0.5875	-0.3675	-0.6135	-0.7695	-0.3045	-0.4765	-0.4635	0.0275	-0.0035	-0.4135	-0.1075	-0.6225	-0.4625	-0.7125	-0.1315	-1.0455	-0.5165	-0.1955
RACGAP1	690792 || F	-0.6465	-0.5965	-0.5255	0.3605	-0.2785	0.0855	0.2085	-0.0555	0.0385	1.3285	0.4125	0.8915	1.5655	-0.0355	0.6215	-0.2065	-0.3245	0.2465	0.4535	0.5535	-0.4955	0.6875	0.3255	0.9785	0.2145	-0.4065	0.0585	1.1375
RAD17	691218 || F	-1.743	-0.086	0.027	-0.703	-0.17	0.171	-0.284	0.061	0.316	-0.179	0.328	-0.085	-0.343	-0.135	0.02	-0.141	1.82	0.721	0.088	-0.152	-0.287	-0.225	0.037	1.424	2.031	-0.367	1.336	1.238
RAD51	692122 || F	-0.092	0.185	0.177	0.092	0.491	0.126	0.213	0.126	0.372	0.103	-0.338	0.137	-0.03	0.173	-0.095	-0.016	-0.209	0.091	0.029	-0.049	0.074	0.11	0.342	-0.069	1.925	0.255	0.298	0.731
RAD51AP	687081 || F	-0.7965	0.0795	0.0995	0.7485	0.5275	0.6835	0.7915	0.4475	-0.2065	0.5935	0.2875	0.4165	1.0225	0.7905	-0.0005	-0.4955	-0.6515	-0.6825	-0.3205	-0.5575	0.1775	0.2735	-0.3885	1.1655	1.0885	0.1325	1.8255	1.4395
RAD52	693390 || F	-0.012	-1.076	0.164	-0.046	-0.138	0.468	0.54	-0.629	0.6	-0.991	0.091	0.344	-0.11	-0.095	0.47	0.098	-0.184	0.414	-1.357	-0.544	-0.464	-0.556	-0.494	0.079	0.554	0.004	0.094	0.144
RAD54L	690991 || F	-0.1635	-0.0785	0.3895	-0.2445	0.1575	0.3195	0.2185	0.1515	0.8525	0.2735	0.4335	0.4555	1.3985	0.0505	0.1915	0.1775	0.5875	-0.2875	-0.0555	0.4585	0.3905	-0.1515	-0.2735	0.9835	0.8175	0.5505	1.0685	1.8145
RAMP	696334 || F	4.7555	1.9635	-0.4315	0.6145	-1.5935	-0.8515	0.0585	-0.6075	-1.3715	1.8075	1.5815	2.3825	-1.4245	-1.7225	-1.4525	-0.7995	1.6185	-1.0485	1.8465	3.3925	1.7985	-1.5385	-0.3535	0.7615	0.7815	2.5335	2.7945	1.4045
RANBP1	696056 || F	-0.6385	1.5445	-0.4205	-0.1125	-0.4815	-0.0245	0.0375	-0.0045	0.2125	-0.7885	-0.5735	-0.9705	-0.0855	-0.1465	-0.3525	0.2645	0.2315	0.5905	-0.0905	0.2345	0.0415	0.0795	-0.7975	0.7525	0.0995	-0.6585	-0.1825	0.7265
RARRES1	696860 || F	-0.193	-0.985	-1.279	-1.273	-0.198	-0.98	-0.946	-0.618	0.385	-0.35	-0.962	-0.216	-1.201	-1.47	-1.607	-1.387	-0.733	-1.288	-1.318	-0.745	-0.688	0.312	-1.176	-1.05	-0.503	0.496	-1.569	0.339
RBBP7	695677 || F	-0.1385	0.0695	-0.2585	-0.1885	0.4475	0.2605	0.7035	-0.2065	0.1845	-1.0655	0.5275	0.3155	0.4095	0.1515	0.3945	0.2405	0.1555	0.0375	-0.0965	-0.0815	-0.0285	0.1205	-0.1715	0.6395	0.2795	-0.0215	1.3355	0.7995
RBBP8	690099 || F	-0.0025	-0.1635	0.2025	-0.3475	0.6525	-0.2265	-0.3025	0.1895	-0.3545	0.7225	-0.0605	0.1735	-0.7825	-0.1655	0.3075	0.1955	0.6505	-0.0745	-0.3105	0.1875	-0.1025	-0.2295	-0.8375	0.0075	0.2745	-0.5625	-0.0875	-0.0955
RBM8A	681239 || F	2.219	-0.398	0.109	1.721	-0.692	-0.694	-0.844	0.262	0.28	3.582	2.227	3.516	1.794	1.803	-0.177	2.259	2.317	-0.561	1.082	-0.221	-0.092	0.269	-0.621	0.158	0.001	-0.349	-0.374	-0.164
RBX1	685240 || F	-0.63	0.221	-0.261	1.42	-0.327	0.162	-0.622	0.549	0.443	0.547	-0.084	0.103	-0.541	-0.097	0.213	-0.518	-0.205	-0.114	0.004	-0.008	-0.096	0.16	-0.291	0.677	1.229	-0.335	1.264	2.261
RDHE2	695028 || F	0.034	-0.313	0.081	-0.847	-0.411	-0.518	-0.47	-0.012	0.067	0.292	-0.312	-0.27	-0.322	-0.162	0.264	0.016	0.009	0.36	-0.264	0.009	-0.032	-0.08	-0.03	-1.332	-0.267	-1.002	-0.701	0.485
REA	691904 || F	-0.312	-0.149	0.458	0.388	0.229	0.167	0.156	-0.101	-0.17	0.073	0.229	-0.028	0.009	0.081	0.201	0.137	0.197	0.408	0.022	0.578	-0.087	0.183	0.189	0.309	-0.049	0.264	0.017	0.009
REC14	685901 || F	0.5635	0.0045	0.1795	-0.2895	-0.4755	-0.1225	0.0735	0.1945	0.7055	-0.5575	-0.2405	0.2885	0.0905	-0.1285	-1.0455	-0.2985	-0.6835	-0.4245	0.6305	0.5365	0.6075	-0.1475	0.0495	0.3435	1.5045	0.7235	0.4785	0.6985
REG1A	695196 || F	-0.185	-0.631	0.472	0.275	0.57	0.597	0.525	-0.14	0.277	-0.094	0.148	0.086	-0.277	0.266	0.043	0.025	0.19	-0.132	0.482	0.001	0.145	0.274	-0.111	-0.283	-0.499	-0.13	0.067	-0.125
RELB	684812 || F	0.546	0.139	-0.489	-0.009	0.205	0.125	0.197	-0.285	2.812	-0.436	-0.374	-0.121	-0.247	-0.657	-0.606	-0.748	-0.194	-0.004	-0.408	-1.523	-0.292	0.201	-0.607	-0.688	-0.121	-0.638	-0.658	-0.455
REPIN1	683066 || F	-0.509	-0.605	-0.227	-0.729	-0.658	-1.096	-0.902	-0.445	0.484	-1.018	-0.27	-0.288	-0.728	-0.691	-0.938	-1.134	-1.146	-0.549	-0.701	-0.248	-0.002	0.618	-0.809	-0.93	-0.239	-0.031	1.415	0.494
REPS2	687793 || F	-0.1215	-0.0255	0.0545	0.1525	-0.3035	0.2815	-0.3405	-0.0975	0.0885	0.6635	0.1295	0.0035	0.9165	-0.4005	-0.2745	0.0055	0.5805	-0.0025	-0.0905	-0.0655	0.3915	-0.5285	-0.2765	0.6005	0.8105	-0.0795	1.4855	0.0275
RERG	687590 || F	-0.5725	-0.4335	-0.1625	-0.2175	0.0435	-0.4275	0.6155	-0.4075	0.2715	-0.2915	0.0035	-1.1075	-0.6405	0.2095	0.6645	-0.5325	-0.3125	-0.2665	0.2885	0.0645	0.6265	-0.3095	-0.1965	0.2545	0.1795	0.4185	-0.6455	-1.1615
RFC4	684079 || F	1.3935	1.3145	0.4105	-0.3635	0.5825	-0.0045	2.0745	-0.3255	-0.7415	0.3155	0.1355	0.0605	0.0175	0.5325	-0.4805	0.5405	0.7645	-0.2715	0.3615	1.6685	-0.1055	0.0175	0.4025	0.5655	0.9615	-0.1085	0.9535	0.8965
RGS10	695917 || F	-0.0465	-0.2475	-0.0815	1.1485	1.0745	0.1005	0.6765	0.1705	-0.0105	1.5315	0.6135	0.3465	0.0075	0.2255	-0.3085	-0.1555	-0.1055	0.2215	-0.6995	-0.3195	-0.6645	-0.6365	-0.2725	-0.1485	0.0695	-0.5085	-0.3895	-1.1485
RHBDL2	684395 || F	-0.698	-0.065	0.455	0.268	-1.968	0.338	0.325	-0.009	0.013	-0.183	-0.152	-0.331	-0.681	0.574	0.262	0.496	-0.324	0.27	-0.427	-0.491	-0.263	-0.238	0.626	-0.422	-0.449	-0.054	-0.307	0.867
RIBC2	696320 || F	-0.271	-0.45	0.604	-0.164	0.372	0.731	1.142	-0.025	-0.014	-0.069	1.015	0.639	0.298	0.404	1.165	1.115	0.662	1.24	0.451	0.285	0.082	-0.194	1.181	0.898	0.435	0.588	0.542	0.401
RIC-8	690624 || F	-1.04	-0.42	-0.8	-0.83	-0.899	-0.585	-0.374	-0.48	-0.567	-0.592	-0.556	0.73	-0.637	-0.944	0.072	-0.885	-0.852	-0.077	-0.385	-0.344	-0.551	-0.089	-0.044	-0.501	-0.759	-0.795	0.458	-0.285
RIT1	693292 || F	0.279	0.062	-0.329	0.403	0.919	0	0.278	0.28	0.338	-0.442	-0.313	-0.106	0.007	-0.085	-0.223	-0.605	0.164	-0.138	-0.033	0.343	0.089	0.175	-0.038	0.158	0.108	-0.281	0.191	-0.092
RLN2	688741 || F	1.561	-0.391	-0.438	-0.635	2.406	0.6	-0.017	0.069	0.266	0.107	0.122	-0.155	-0.785	0.156	-0.813	-0.713	0.229	-0.656	-0.319	0.077	0.236	0.17	0.217	-1.786	-0.389	-0.058	-0.902	-0.173
RNF10	696512 || F	0.1345	0.5895	0.0015	-0.2125	-0.0025	0.1895	0.2225	-0.1085	0.3265	0.6715	-0.1255	-0.2335	-1.1865	-0.2215	-0.7855	-0.0335	0.7025	-0.3985	-0.2185	0.3475	0.2795	-0.1955	-0.3765	0.5835	-0.0605	-0.3895	0.4375	-0.4815
RNF135	691324 || F	0.5915	-0.0965	-0.3465	0.4105	-0.0135	-0.3335	-0.4175	-0.4455	0.0185	-0.5445	0.0815	-0.0195	-0.2995	0.1095	-0.2935	-0.1865	-0.0595	0.8795	-0.6785	-0.9155	-0.1305	1.0825	-0.0985	3.6025	3.5915	2.3045	1.4655	1.2005
RNF7	691075 || F	-0.019	-0.305	-0.383	0.566	-0.153	0.311	0.64	-0.416	-0.388	0.015	0.411	0.804	-0.051	0.484	0.304	-0.029	0.017	0.068	-0.354	0.22	-0.494	-0.371	-0.386	-0.445	-0.692	-0.72	0.069	0.293
ROPN1	692734 || F	0.8075	3.1995	1.4465	-0.5585	0.1565	-0.8185	-0.9205	-0.3415	-2.0685	-1.0175	2.9085	3.9335	0.2515	-0.7905	-1.0475	2.5695	-0.5925	1.5295	-0.7745	-1.3965	-0.6795	-0.0985	-0.7985	0.0735	-1.3055	2.9705	1.8325	0.7815
RPA3	684912 || F	-0.0605	0.5585	-0.1855	1.0005	-1.3925	-0.2595	-0.2365	0.1665	-0.1325	0.0085	0.3055	0.0195	-0.1335	-0.4575	0.1035	-0.2405	-0.4175	-0.1545	-0.0395	-0.3905	0.4255	-0.1965	-0.2485	-0.5055	0.1335	-0.3085	0.0795	-0.2015
RPESP	690228 || F	0.091	0.536	-0.311	0.276	-0.432	0.089	-0.549	-0.158	-0.628	-0.393	0.746	0.196	1.607	-0.059	0.673	-0.278	-0.51	0.172	-0.422	0.192	0.411	0.279	0.709	0.711	1.184	-0.304	1.31	-0.295
RPL11	684149 || F	0.07	0.332	1.866	0.427	-0.693	-0.434	-0.63	0	0.47	0.149	0.585	-0.002	0.465	-0.425	-0.244	-0.55	-0.374	-0.755	-0.315	-0.585	0.318	0.647	0.057	-0.221	0.414	-0.348	0.479	-0.576
RPL13	690460 || F	-0.5	0.576	0.133	0.211	-1.005	0.534	-0.624	0.02	-1.248	0.251	-0.539	-1.097	-1.006	-0.937	0.696	-0.624	0.394	0.014	-0.441	-0.93	-0.414	-0.329	-0.419	-0.859	-0.567	-0.067	-0.826	0.052

WO 2007/061876 PCT/US2006/044737

Table 18.

Sample		9830-0100	BC00030-I	030222-M	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-M	BC00036T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
RPL13A	697951 || F	0.3335	0.6945	-0.0685	0.5175	0.0965	0.0145	-0.6175	0.6215	-0.0555	1.1905	1.3535	0.9085	0.3015	-0.2655	0.5445	-0.6665	-0.1075	-0.6605	-0.0355	-0.3925	0.2165	-0.0485	0.7205	-0.3085	0.1335	-0.1625	0.0945	0.3495
RPL15	682985 || F	-0.732	0.041	-0.936	-0.333	0.572	-0.63	-0.511	0.043	-0.501	0.849	0.838	0.381	-0.687	-0.478	0.685	2.385	0.824	1.538	1.359	1.256	0.279	-0.068	0.382	-0.361	0.846	0.334	-0.327	-0.536
RPL18A	683895 || F	-0.038	0.363	-0.621	-0.667	-0.13	-0.223	-0.819	0.039	-0.712	0.203	0.534	-0.293	0.017	-0.73	0.837	-0.159	0.517	0.171	0.096	-0.426	0.183	-0.013	-0.436	-0.109	0.31	-0.484	-0.485	0.185
RPL19	688555 || F	-0.016	-0.755	0.311	1.442	0.837	-0.636	-0.804	-0.133	0.041	0.157	0.677	0.308	1.343	-0.11	0.611	-0.525	0.091	-0.423	0.155	-0.163	0.272	-0.358	0.445	-0.126	0.214	-0.292	-0.779	-0.738
RPL23A	681568 || F	-0.429	0.45	-0.594	-0.202	-1.751	-0.183	-0.866	0.378	-0.051	0.099	0.322	-0.77	-0.718	-1.153	0.219	-0.567	-0.31	-0.345	-0.244	-0.362	0.191	-0.303	0.358	0.148	0.447	-0.851	0.058	-0.676
RPL23A	692544 || F	-0.4255	0.5205	-0.2785	1.1335	-1.3275	-0.1405	-0.5895	0.1995	-0.0475	0.7435	0.2205	0.2715	-0.3845	-0.1715	0.0235	-0.6445	0.0815	-0.7745	-0.0885	-0.3015	-0.3595	0.1315	-0.4515	0.0285	-0.0175	-0.4195	-0.0825	-0.6025
RPL26L1	685938 || F	-0.0455	-0.1255	-0.1745	1.2015	-0.5925	0.0295	-0.0495	0.3875	0.5525	0.5155	0.5265	0.1325	0.9985	-0.2475	0.4735	-0.5395	-0.3515	-0.8135	-0.4155	-0.7585	0.4675	-0.1695	0.2025	-0.0065	0.6425	0.6495	0.1235	-1.0535
RPL29	690810 || F	-0.0935	-0.1475	-0.1005	0.9365	-0.5205	0.0915	-0.7275	0.2625	0.1775	0.3045	0.4215	0.5535	-0.4575	-0.0115	0.3505	-0.3935	-0.1165	-0.5255	-0.0115	0.1285	0.0215	-0.2515	-0.2595	-0.7605	-0.1765	-0.1405	-0.0455	-0.5915
RPL36	687324 || F	-0.2585	0.1805	1.1995	-0.6705	-1.2095	-0.3815	-0.9455	0.0645	0.1475	0.1125	0.2535	-0.5295	0.5795	0.0755	0.6865	-0.1625	-0.0155	-0.6605	-0.4345	0.2465	0.3665	1.3355	0.1755	0.7365	0.7875	-0.7815	0.9985	-0.4605
RPL36AL	693407 || F	-0.4335	-0.0185	0.5555	0.2395	0.1605	-0.1975	0.0705	-0.0035	0.0275	0.1855	0.7875	0.0505	-0.0245	0.6925	0.7555	0.6595	0.6055	0.5085	-0.3335	-0.4875	-0.3395	0.5925	0.4915	0.9835	-1.0775	0.8775	0.0765	0.0515
RPS16	687942 || F	-0.5765	-0.0035	-0.6985	-0.8135	-0.7525	-0.5015	-0.4545	0.2995	0.0295	-0.3365	0.1165	-0.2205	-0.8345	-0.6505	0.0585	0.0735	-0.4915	-0.2215	-0.1565	-0.1965	-0.1545	-0.7615	-0.3745	-0.1915	-0.4835	-0.2595	0.2495	-0.4215
RPS4Y1	683806 || F	0.8125	0.7705	0.0495	0.3055	-0.5585	-0.0475	1.2185	-0.2755	-0.5025	1.8755	0.3735	0.2615	-0.5725	1.9285	0.2875	0.0705	1.0005	0.2795	0.5935	1.2335	0.0035	-0.7325	0.1375	1.4515	0.0505	0.6155	1.2865	-0.6055
RRAGA	688744 || F	-0.733	-0.563	0.407	-0.14	-0.743	-0.065	0.164	-0.438	-0.061	-0.001	0.076	0.055	0.215	0	0.541	-0.149	-0.405	0.304	-1.013	-0.726	-0.27	-0.672	-0.09	-0.337	-0.205	-0.34	0.112	1.317
RRAGD	691801 || F	-0.565	0.356	0.006	1.562	0.513	1.406	1.66	0.585	0.21	0.902	0.996	0.155	1.023	1.74	1.42	0.5	1.475	0.797	0.484	0.511	-0.006	-0.619	-0.403	1.167	-0.055	-0.746	1.39	0.27
RRM1	684258 || F	-0.128	-0.274	-0.178	-1.138	-0.345	0.222	0.624	-0.578	0.002	-0.045	0.134	0.07	0.624	0.311	0.085	-0.07	0.091	-0.334	0.008	0.7	0.009	-0.194	-0.184	-0.306	0.176	-0.581	-0.035	0.264
RRM2	694252 || F	0.264	0.598	-0.278	-1.173	-2.626	-1.944	-1.618	-0.183	-1.108	-1.85	-0.318	-0.446	-2.004	-0.447	0.56	-0.578	-0.886	0.102	0.341	0.126	0.242	-0.752	-0.583	-0.094	0.833	0.884	-0.457	1.247
RSAFD1	687475 || F	-0.0775	0.0685	0.2155	0.0955	0.0175	-0.0425	0.0715	0.5635	-0.0685	0.5155	0.0665	0.1255	-0.8635	-0.0265	0.4695	0.4375	0.7475	0.0185	0.0935	0.8645	0.1095	0.3595	1.3605	0.5815	1.9435	0.6865	0.5375	0.4705
RSNL2	692893 || F	0.3795	0.4395	-0.4885	-0.4315	0.1885	0.1815	-0.1655	0.0755	-0.5305	0.6785	0.8465	1.1145	0.8205	-0.3845	-0.0925	0.0335	-0.2835	0.1575	0.4365	0.4825	0.3745	0.0705	0.7615	0.1895	0.5765	-0.7865	0.6575	1.3085
RSU1	682633 || F	0.232	0.427	0.683	0.185	0.312	0.804	1.425	0.72	0.837	-0.394	-0.349	-0.173	-0.068	0.215	0.316	0.457	0.956	0.524	0.436	1.449	0.278	0.005	0.868	0.406	-0.123	0.557	0.078	-0.264
RTN4IP1	696006 || F	-0.116	0.584	-0.781	-3.141	0.662	1.268	-0.516	0.615	1.99	-0.118	0.813	0.84	2.158	-2.192	2.599	0.41	1.524	-0.928	0.541	1.648	1.678	0.307	1.004	0.969	1.279	-1.044	-0.428	-0.196
S100A11	688967 || S	-0.045	0.572	-1.098	-1.177	1.165	1.112	-0.76	1.127	1.465	-1.106	0.588	0.717	0.66	-2.068	1.856	0.499	0.832	-0.195	0.625	0.658	0	-0.025	0.531	-0.928	0.66	-0.569	0.46	0.022
S100A14	689448 || S	4.6545	2.2655	-0.0375	-1.6505	3.9905	-0.1525	4.2675	0.1345	-1.5505	2.1545	2.8125	2.8405	4.7405	3.5225	4.2355	3.8895	4.1255	1.0375	3.1655	4.3925	0.3905	-0.9835	1.6315	3.4835	1.1415	-0.6255	2.8845	2.0445
S100A16	682683 || S	0.0415	0.2115	0.4875	0.4885	-0.5505	0.3715	0.0075	0.4735	0.1845	0.1655	-0.0415	0.0795	0.6715	0.5945	-0.1595	0.2275	0.3425	-0.1485	0.2465	-0.3175	0.1325	-0.0345	0.3415	0.5975	0.2225	-0.3685	0.9275	0.0125
S100A9	681875 || S	-0.854	-0.474	-0.451	-0.391	-0.944	-0.274	-1.049	-0.275	-0.067	-1.912	0.02	0.647	-0.322	-0.68	0.287	0.226	-0.707	0.415	-0.078	-0.185	-0.656	0.281	-0.185	-0.675	-0.499	-0.232	-0.168	-0.478
SAE1	695822 || S	0.0665	-0.2695	0.1375	0.8855	-0.0835	0.3785	0.2175	0.2815	1.3005	0.2485	0.6355	1.0365	0.8035	0.2105	-0.1815	-0.4555	-0.3115	-0.5335	-0.0465	0.0475	-0.5475	-0.3875	-0.2495	0.0585	-0.3705	-0.4195	0.0005	-0.0695
SALL2	696484 || S	-0.014	0.291	0.222	0.749	1.244	-0.655	0.04	0.417	0.644	0.314	0.152	0.833	0.39	0.321	-0.349	-0.006	0.76	-0.046	0.188	-0.335	-1.143	-0.503	-0.455	-0.725	-0.726	-0.872	-0.777	-0.835
SARA1	690066 || S	-0.4555	0.4225	0.5025	0.2735	-0.4705	0.3765	-0.3735	0.1855	-0.0685	-0.2695	-0.2475	-0.3805	-0.1655	0.4075	0.0015	-0.0405	-0.2505	0.2315	-0.1705	-0.6155	-0.0275	-0.0385	-0.2945	-0.5055	-0.8085	-0.1665	-0.7115	-1.1415
SARA2	688945 || S	-0.309	1.039	0.685	0.19	0.015	0.572	-0.34	0.611	0.087	1.805	0.928	0.84	-0.403	-0.283	-0.457	0.447	0.437	-0.327	-0.692	0.655	-0.083	0.118	0.642	0.446	1.038	0.715	0.77	0.369
SAS	697574 || S	-0.227	-0.128	-0.354	0.362	-1.248	-0.169	0.368	0.279	-0.051	-0.557	-0.682	0.391	-1.235	-1.145	-0.966	-0.877	-0.635	-0.768	0.463	-1.164	1.052	0.652	0.393	0.012	-1.023	-0.913	-0.778	-0.288
SCIN	696329 || S	0.5845	0.6895	-0.2295	-0.7145	-0.9055	0.1005	0.4805	0.1755	-0.7425	0.6955	-0.0145	-0.3405	-0.0675	0.5195	-0.1645	-0.4795	0.0125	-0.4185	0.3025	1.6195	0.6265	-0.4845	-0.1615	-0.0125	-0.0205	0.1685	-0.2995	-0.5845
SCML1	683929 || S	-0.124	0.594	-1.102	0.086	-0.248	0.39	-0.542	0.523	-0.852	0.482	0.734	1.019	0.804	-0.623	-1.543	-0.509	-0.062	-0.725	0.119	-0.36	0.196	0.035	0.604	0.324	1.511	1.448	0.575	0.695
SCPEP1	689318 || S	1.2005	1.5205	0.8645	0.1585	1.0125	1.5475	1.7755	1.3665	1.1225	1.6215	1.7625	0.6695	1.4125	0.9495	0.8895	1.3085	1.5535	1.5235	1.8135	2.1395	0.2925	-0.3105	0.7535	0.6435	0.4515	0.8265	1.6165	1.4795
SCRIB	687588 || S	0.721	1.517	0.519	0.573	0.808	0.036	0.091	0.182	0.118	-0.197	0.163	0.774	0.003	0.27	-1.288	0.266	-0.496	-0.51	0.467	0.62	0.858	-0.645	0.912	0.421	0.313	0.812	0.267	0.573
SDC1	681259 || S	0.189	0.151	-0.724	-0.706	-0.708	0.303	-0.091	-0.049	-0.089	0.429	0.184	-0.318	-0.418	-0.122	0.642	0.047	0.059	0.081	-0.112	-0.199	-0.151	-0.015	0.485	0.128	0.585	0.479	-0.078	0.101
SDC3	693165 || S	0.5685	0.6135	0.1005	0.8955	-0.0425	0.0745	0.6985	-0.0835	0.4565	1.0015	0.4645	0.5525	0.5515	0.1845	-0.0645	-0.0275	2.1385	-0.1015	0.1345	1.0085	-0.1645	-0.0945	0.7325	-0.9205	-0.2285	0.0365	0.3975	1.1585
SDCCAG8	690950 || S	0.4875	0.9615	0.0225	0.4695	-0.5855	-0.1745	0.7375	-0.0265	-0.5855	0.4945	-0.0875	-0.1545	0.7975	0.8335	0.8225	0.0955	-0.0745	-0.1745	0.2485	0.7385	0.4985	0.2155	0.9935	1.0145	0.2655	0.5085	-0.1225	-0.2475
SEC61G	693650 || S	-0.502	0.074	-0.183	0.095	-0.431	0.73	-0.182	-0.389	0.097	-0.047	0.026	0.671	-0.467	-0.342	-0.037	-0.344	-0.779	0.557	0.02	-0.26	-0.103	-0.999	-0.348	-0.5	-0.21	-1.08	0.05	-0.09
SECP43	694767 || S	-0.0575	-0.6595	-0.2305	0.5905	-0.8695	-1.2125	0.0715	-0.2435	0.1625	-1.3755	-1.0175	-0.1825	-0.2605	-0.5825	-0.9895	-0.7975	-0.7865	-0.9055	-1.0265	-0.5025	-0.5575	-0.3845	0.5915	-0.1965	-0.7105	-0.6095	-0.0085	-1.0975
SEDLP	693304 || S	0.229	0.026	-0.776	-2.005	0.64	-0.606	0.016	-0.264	1.161	-1.678	-0.657	-1.906	-1.804	-1.877	-0.881	-0.736	0.872	0.727	-0.025	1.035	-1.096	-0.257	-1.003	-2.655	-2.5	-2.651	-1.149	-1.826
SEMA3B	696622 || S	0.8775	0.4615	0.1715	1.3045	-0.7785	0.2105	0.9465	0.4525	0.3295	-0.1325	-0.3335	0.5735	0.4035	-0.4665	-0.6495	0.5575	0.2595	-0.9645	0.2245	-0.1745	0.3295	-0.5115	0.6515	0.4205	0.4015	0.6385	0.4355	-1.2665
SEMA3C	691613 || S	0.4255	0.6885	-1.5615	0.4425	0.1965	-0.4005	-0.1535	-0.4645	0.0185	0.3145	-0.5055	-0.3315	-0.1535	-0.7995	-1.7715	-0.6915	-0.3225	-0.6525	0.0665	-0.0655	0.2775	-0.3915	-0.2535	-1.2585	-0.7115	-0.3465	-0.4605	-0.4985
SEPW1	683289 || S	-0.455	-0.474	-0.933	-0.852	-0.273	-1.287	-1.448	-0.611	0.301	-0.409	-0.662	0.293	-1.085	-1.329	-1.314	-1.088	-1.019	-1.355	-1.388	-1.514	-0.991	1.023	-1.179	-0.971	-0.112	-1.08	-0.752	-1.364
SERP1	690913 || S	-0.9925	-0.3255	0.2175	-1.1685	-0.1985	-0.6595	-0.2535	-0.0425	-0.2555	-0.8955	0.8255	-0.0735	-0.3035	-0.0655	0.1625	0.2105	1.5575	0.0985	-0.4145	-1.5995	-0.7705	0.0075	0.0045	2.6335	0.9655	0.0335	0.1995	2.6965
SERPINA8	692607 || S	1.412	0.43	-1.635	-0.987	-3.053	-1.967	-2.287	-1.04	-1.3	-1.907	-0.88	-0.316	-1.397	-2.535	-1.372	-1.309	-1.48	-2.617	0.66	-1.18	1.454	0.526	-1.612	2.256	2.855	3.872	-0.331	0.879
SERPINB8	683845 || S	0.679	-0.437	-0.719	1.593	0.492	0.799	-0.965	1	-0.098	0.289	-0.384	-0.093	-0.103	0.36	-0.214	-0.223	-0.404	0.078	0.429	-1.22	0.083	0.174	-0.004	0.179	-0.083	-0.527	0.273	-0.2
SFRP1	690138 || S	-0.373	0.928	-1.699	-0.051	-0.078	0.366	0.046	0.966	1.023	-0.393	-0.218	-0.68	-0.82	-0.048	0.626	0.795	0.731	0.129	-0.236	0.293	0.053	-0.803	0.176	-0.607	0.374	-0.118	1.238	-0.417
SFRS6	689301 || S	-0.1625	0.6985	-0.2005	-1.5645	-1.0135	-0.3915	-1.6315	0.7635	-0.1595	-1.0955	0.7295	0.2735	-1.7025	-1.8265	-0.3585	0.1415	0.6005	-0.0715	-0.0185	1.3535	-0.3865	-0.9525	-0.4045	0.8485	0.8405	-0.1625	-0.2255	-0.4925
SGCD	694781 || S	-0.3115	-0.2785	-0.3075	-0.4205	0.8025	1.2085	-0.7225	0.2055	1.1645	-0.1545	-0.3155	-0.6645	-2.2385	-1.0725	0.0395	-0.0265	0.0885	1.3385	-0.4185	-1.1515	0.3695	0.0265	-0.8815	-1.2415	-1.0685	-1.4085	-2.6085	-1.1565
SGCE	685105 || S	0.001	-0.271	0.143	-0.594	0.044	0.316	0.755	-0.406	0.107	0.535	0.114	-0.177	0.434	0.981	0.173	-0.3	0.955	0.256	-0.135	0.902	-0.044	0.127	0.268	0.192	-0.165	0.122	0.487	0.888
SH3BGRL	694455 || S	-1.165	-1.321	-0.678	0.933	-0.565	1.187	0.049	-0.118	0.333	-2.058	-0.493	0.74	-0.909	-0.621	0.057	0.071	-1.12	-0.218	1.005	-1.551	0.061	-0.365	-0.058	-0.368	-0.644	-0.87	-0.826	-0.408
SHFM1	683462 || S	0.0375	-0.1985	-0.0825	0.9615	0.2115	0.1805	0.0195	0.0665	0.0785	0.2995	0.2305	0.7665	0.4505	-0.0065	0.3105	-0.5165	-0.5365	-0.2075	0.4175	0.5015	0.2475	-0.1125	0.0525	0.0915	0.3675	0.3015	-0.0905	-0.8095
SIAT7B	695595 || S	0.101	-0.123	0.152	0.258	-0.533	0.104	0.083	-0.053	-0.776	0.566	0.165	0.654	-0.071	0.019	-0.48	-0.622	-0.72	0.366	1.502	1.068	2.408	0.437	0.306	0.333	0.251	0.969	-0.658	-0.373
SIGLEC12	690532 || S	0.064	-0.444	-0.254	0.778	-0.092	0.004	-0.376	-0.198	0.388	0.694	0.349	0.722	0.191	-0.004	-0.445	-0.766	-0.824	-0.642	-0.622	0.343	0.055	-0.051	0.331	-0.499	0.416	-0.059	0.131	2.202
SIT	692124 || S	-0.4805	-0.0375	0.3205	-0.3025	0.0545	-0.4335	-0.4315	-0.1945	-0.1475	-1.1355	-0.1225	0.2225	-0.1715	0.2035	-0.6885	-0.0785	0.1335	0.6635	-0.6235	-1.1235	-0.6255	-0.7845	-0.7345	-0.7485	-0.6645	-0.9995	-0.7765	-0.3045
SITPEC	681337 || S	0.5115	-0.2855	-0.0275	-0.4765	-0.1275	-0.0255	0.9015	-0.2785	0.2175	-0.3115	-0.5135	0.0025	0.1785	0.7235	-0.2915	-0.5475	-0.3315	-0.2745	-0.0125	1.1015	0.3505	0.5695	0.2085	0.0965	0.5545	0.5925	-0.1145	0.4315
SKP1A	684965 || S	0.0715	-0.3965	-1.4065	2.7885	-0.9215	0.2745	2.6035	0.0055	1.3485	-0.5035	-0.1365	-1.4695	2.5495	2.9755	-0.0285	0.4315	0.1235	-0.2035	1.0365	-0.2715	-0.0415	0.3035	-0.3125	0.5745	0.1695	1.5055	-0.0255	0.2085
SLC12A9	696704 || S	-0.838	-1.002	0.988	-1.743	-1.383	-0.653	-0.702	-0.022	0.27	-1.156	-1.133	0.54	-1.625	1.455	1.015	0.263	-1.758	-0.434	-0.509	0.441	0.294	-0.327	-0.429	-1.366	-0.324	-1.511	-1.06	-1.527
SLC13A3	689746 || S	-0.3295	-0.6725	-0.9555	-0.2445	0.2495	-0.5685	2.4055	-0.1735	1.1365	-1.0435	-0.8805	0.1565	-1.3815	-0.2295	-1.2875	-0.7495	-0.8175	-1.3745	-0.3645	-1.2025	-0.1925	0.1585	-1.4955	-2.6955	-1.1185	-1.4165	-0.8325	-1.1845
SLC16A6	687056 || S	0.862	0.288	0.178	0.629	1.938	-0.598	2.698	-0.525	-0.603	-1.689	1.681	2.575	1.85	0.215	0.172	0.186	-0.443	-0.254	0.089	0.944	-1.472	-0.238	-0.356	-0.972	-1.876	-0.337	0.597	-0.896
SLC19A2	693146 || S	-0.7255	-1.6595	0.1605	0.8045	-0.6465	-1.0995	-0.3355	-0.4215	0.4485	1.7575	-0.7085	-0.2685	-0.9935	0.5125	-1.2145	-0.7035	0.9125	0.0925	-0.6485	-0.3655	0.0755	0.1965	0.6015	-1.3075	-2.0705	-0.7025	0.0485	-0.8435
SLC1A1	692391 || S	-1.0105	-0.6005	0.8165	-1.5795	-1.9725	-1.1795	0.1955	1.2425	-0.2375	-1.6565	-0.4585	-1.8395	-0.5535	-0.4775	1.0095	1.0325	-0.5065	1.4135	1.6065	-0.1835	0.5855	-0.1185	1.2295	-0.4235	0.1585	1.5835	-0.8245	0.7405
SLC1A2	690726 || S	-0.0185	0.4315	-0.6935	0.3915	0.2085	0.0615	0.3065	-0.2035	0.1215	-0.9125	-0.2875	-0.6145	1.1515	0.2495	-0.1065	-0.3585	-0.5765	0.3115	0.0415	-0.1195	-0.1065	0.4185	-0.3655	-0.5335	-0.3835	0.5035	0.3685	1.0425
SLC24A3	689570 || S	0.295	-0.464	-0.013	0.589	0.498	0.51	0.024	-0.33	-0.277	0.408	-1.146	-0.63	0.45	0.734	-0.233	-0.142	0.822	0.512	-0.281	-0.291	-0.815	-0.669	0.295	-0.031	0.34	-1.629	-1.124	0.142
SLC25A29	692129 || S	0.144	0.266	0.371	-0.295	0.094	0.279	0.734	0.359	0.235	0.73	0.928	0.585	-0.455	0.865	1.092	0.211	0.135	0.804	0.795	0.363	-0.388	-0.57	-0.98	-0.623	-0.071	-0.635	-0.312	0.445
SLC25A4	684980 || S	0.617	-1.022	-0.239	-1.825	-0.549	-1.255	-1.218	-0.718	-0.599	-0.06	-0.177	2.505	-1.095	1.539	-1.128	-0.73	-1.553	-0.941	-0.496	0.139	-0.929	-1.011	-0.833	-0.638	-0.787	-1.464	-0.769	-1.27
SLC25A5	681570 || S	-0.3305	-0.3205	0.0825	-0.5605	-0.8605	1.0765	0.3995	-0.5785	-0.0875	1.8155	0.1265	0.3655	-0.9465	-0.3065	0.1625	-1.1015	-0.7635	-1.6185	-0.2195	-0.9235	-0.2525	0.0665	-0.3505	-0.2755	0.0545	-0.0875	1.0855	-0.2565
SLC27A2	686936 || S	-0.631	-0.166	0.44	0.042	0.111	1.788	-0.141	0.123	-0.292	-0.545	0.233	-0.403	0.109	0.183	0.288	0.12	0.231	1.488	-0.077	-0.539	-0.542	0.148	1.351	1.422	-0.375	0.071	0.275	0.142
SLC27A5	692266 || S	0.313	0.593	0.344	0.148	-1.306	-0.212	-0.061	0.639	-0.471	-0.008	1.616	1.914	0.767	0.27	-0.96	0.385	1.061	-0.467	0.4	0.026	0.427	0.918	0.47	0.177	0.941	1.634	0.451	-0.208
SLC30A8	695934 || S	-0.2385	-1.3815	-1.6545	-3.6195	0.6065	-0.8515	-1.8075	-0.3815	0.2945	-1.7545	0.5365	-2.1175	-2.1985	-2.8695	-1.8625	-1.7145	-2.2025	-0.4345	-1.9705	-1.7305	0.3425	-0.9885	-0.9685	-2.9085	-0.5665	-0.7885	-3.2985	-0.5485
SLC39A4	684775 || S	0.955	0.566	-0.057	-1.56	-0.631	-0.418	0.356	-1.172	-1.27	-0.022	0.905	-0.56	-1.009	-1.35	0.022	0.362	0.526	0.126	0.207	1.118	0.402	2.146	0.183	-3.228	-1.299	-1.12	-2.303	-2.804
SLC39A6	690413 || S	0.2445	1.0765	-0.0005	-0.0105	0.0965	-0.0805	0.7555	-0.3055	-0.0745	-0.1035	-0.2185	-0.1605	-0.3115	-0.1275	-0.4425	-0.5205	0.1405	1.2495	-0.3605	-0.2515	-0.2665	-0.0975	0.3205	0.7665	0.6785	0.7145	0.3495	0.0005
SLC40A1	695691 || S	0.5125	0.1985	0.2435	0.7725	1.0555	1.0845	1.3375	-0.3205	0.0185	0.2755	0.8955	1.0725	0.7495	1.0195	0.9535	0.2205	0.4685	0.2945	1.4075	1.1945	0.4665	0.2395	0.8095	-0.2285	0.2605	1.7035	1.8935	1.0705
SLC41A3	682343 || S	-0.568	-0.229	0.27	2.27	-0.181	-0.058	-0.218	-0.331	-0.188	1.277	0.391	-0.64	0.137	0.254	0.31	0.083	0.107	0.031	-0.264	-0.462	1.91	0.531	0.163	0.385	-0.21	0.131	0.279	0.044
SLC5A6	688366 || S	-0.8145	-0.3095	-0.5475	0.5755	0.6955	1.6215	0.5515	0.7185	-0.5305	0.3025	-0.0685	1.1315	3.1815	0.1185	1.3625	-0.3665	-0.7765	-0.2175	0.4345	0.7455	0.5975	0.1995	0.2885	-1.8305	-1.0085	-1.6325	-0.5145	-0.7075

Table 18.

Sample Class		9830-0100 HER2	BC00030-I HER2	030222-ME HER2	030064-BC HER2	030521-BC HER2	9819-0003 HER2	BC00051 HER2	BC00063 HER2	BC00087 HER2	9819-0003 HER2	020573-BC HER2	020577-ME HER2	BC00036T HER2	BR01-0123 HER2	BC00055 HER2	BC00071 HER2	BC00074 HER2	BC00097 HER2	BC00010 HER2	UB-117 HER2	UB-118 HER2	BR94-108: HER2	UB49 HER2	BC00070 BASAL	UB-116 BASAL	PB377 BASAL	BR97-013: BASAL	PB419 BASAL
SLC6A4	691977 || S	-1.3965	0.9595	0.6985	-2.5365	-1.0235	-1.9985	-3.7105	-1.0625	5.6475	-0.9505	-0.2165	1.0685	-3.0775	-3.0425	-2.5505	-1.1215	0.9385	1.9775	-3.6645	0.4465	2.1045	-0.7635	-1.4775	-0.9395	-1.1635	1.8345	1.4645	-2.4235
SLC9A3R1	682747 || S	-0.6455	0.9145	0.1415	-1.2015	2.7135	1.4805	0.3905	1.2825	0.5485	0.5175	-0.2215	-0.4105	0.8465	-1.0915	0.2805	0.6485	0.7125	-0.1655	-0.0285	-0.4415	0.1335	-0.6335	-0.5205	-0.0905	-2.0455	-1.6005	-0.5975	-0.9165
SLITRK6	685643 || S	-0.265	0.089	0.038	-0.961	0.235	0.654	-0.452	0.008	0.173	0.56	0.391	0.083	-0.104	-0.341	0.218	0.349	0.155	0.349	0.252	0.439	-0.124	-0.258	1.101	0.298	0.699	-0.729	0.193	0.861
SMA3	687200 || S	-0.486	0.771	-0.612	-0.377	-0.551	0.702	-0.595	-0.067	0.024	-1.466	-0.02	-0.532	-0.899	-0.437	0.042	0.252	-0.274	0.08	0.537	1.199	0.506	0.135	0.066	0.514	0.287	1.532	1.698	1.387
SMAD2	696467 || S	-0.257	-0.176	-0.32	-0.267	-0.438	-0.356	0.636	-0.132	0.089	-0.393	0.731	0.511	0.394	-0.039	0.228	0.088	0.1	-0.155	-0.208	-0.688	-0.066	-0.412	-0.349	0.349	-0.591	-0.077	1.378	0.703
SMO	688958 || S	-0.346	-0.082	0.355	0.355	0.762	-0.045	0.007	-0.309	0.025	-0.505	0.048	0.398	0.415	0.197	0.092	0.149	0.102	0.085	0.753	-0.301	-0.193	-0.2	-0.004	0.207	-0.308	0.079	-0.189	-0.082
SMU1	689287 || S	-0.32	-0.345	-0.03	-0.517	0.014	0.813	0.327	0.352	0.174	0.368	0.319	0.374	0.39	0.635	0.324	0.012	0.178	0.219	0.767	-0.099	0.089	0.237	-0.1	0.415	-0.088	-0.056	0.056	0.588
SNRPB2	696839 || S	-0.4315	-0.0035	0.1425	1.3335	0.5505	0.0175	0.3445	-0.1525	0.7745	0.0725	0.3695	0.7255	2.1465	0.7495	0.0745	0.3295	-0.1205	-0.1205	0.1055	-0.3835	0.1025	-0.3355	-0.5495	0.4565	0.3265	0.2325	0.3865	-0.1955
SNRPD1	695576 || S	-0.161	-0.341	0.055	-0.195	0.87	1.073	0.495	0.095	-0.208	0.067	0.386	0.238	-0.236	0.43	0.315	-0.019	0.953	0.592	-0.181	0.23	-0.282	-0.607	0.011	-0.079	-0.252	-0.421	0.727	0.52
SNRPD3	692062 || S	-0.1555	0.2145	-0.0025	-1.6355	-1.1155	-0.4615	-1.5105	0.1365	-0.1865	-1.4845	-0.5985	-1.0305	-0.4185	-1.0435	-0.3045	0.0905	0.0545	-1.1415	-1.4645	-1.3255	-0.4815	-0.1275	0.2595	-0.8305	0.2655	-0.9065	-0.5245	-0.3455
SNRPG	684507 || S	0.7915	0.7055	-0.2275	-0.7455	-0.6655	0.0305	-0.0115	0.0115	-0.1205	1.0355	1.5955	1.3665	0.8595	1.5695	0.1445	0.2455	1.0685	1.5385	0.7565	1.2035	1.3085	-0.0995	1.7145	1.8895	0.8455	0.2565	0.2945	2.6865
SNX7	685968 || S	-0.6845	-0.3265	-0.8685	0.0555	0.0475	-0.1565	-0.2985	0.0525	0.2845	0.2145	0.0435	-0.0745	-0.1285	-0.1925	-0.0245	-0.2615	-0.6215	-0.8345	-0.1765	-0.5115	-0.1675	-0.0785	0.2065	-0.3745	-0.3565	0.0635	-0.4475	-0.4785
SOD2	684100 || S	-0.4155	0.8805	-0.3515	0.9995	0.7365	1.2735	-0.1375	0.3975	0.2565	-1.1195	0.4835	0.0085	1.4555	-0.5135	0.0495	0.4075	-0.8035	-0.3275	0.0505	-0.0565	0.2385	-0.1315	0.2315	0.9905	1.2125	0.9905	0.5745	1.0875
SORCS1	690320 || S	-0.008	0.231	0.023	0.481	0.82	0.312	-0.939	-0.374	0.066	-0.997	0.008	0.05	-0.977	-1.184	0.621	-0.571	0.46	0.03	-0.921	-0.652	-0.442	0.401	0.8	0.272	-0.755	0.119	1.148	0.422
SOX4	686301 || S	-0.4325	0.6875	-1.6775	0.8975	-2.5275	1.7555	-1.6415	-0.5225	0.0285	-2.1545	-0.4555	0.5395	-1.5155	-0.0595	-1.6095	0.1175	-0.8005	-0.1235	-0.9495	-0.5315	-0.8875	0.6035	-1.0455	-0.4105	-0.5845	-0.0555	-0.2035	-0.2405
SOX9	681418 || S	0.396	-1.044	0.331	1.215	0.37	0.112	0.799	-0.879	0.461	0.326	0.767	0.205	3.284	0.985	0.503	-0.443	0.438	0.693	0.334	0.045	0.506	-0.366	0.797	1.241	0.553	0.414	0.988	0.573
SPAG16	687462 || S	0.0325	0.1835	-0.4805	-1.0475	-0.4825	-0.0885	-1.0265	-0.1585	-0.2975	0.6465	0.4165	-0.1695	0.5175	-0.5315	0.3995	0.4615	0.7075	0.3895	0.1205	0.7275	-0.2625	-0.1075	0.0295	-0.5705	-0.0415	-0.5415	-0.0545	0.5105
SPAG5	686120 || S	0.0305	-0.4715	-0.9045	0.5605	0.2985	0.0975	-0.1235	-0.6135	0.2275	0.1245	-0.3445	-0.7745	-0.5405	0.4265	-0.5655	-0.5125	-0.8485	-0.0545	-0.9285	0.0125	1.2135	0.3215	1.2065	-0.0185	0.0035	-0.4375	0.2405	-0.3485
SPC18	695899 || S	0.344	-0.211	0.013	-0.852	-0.146	0.527	0.239	0.28	-0.212	-0.637	-0.422	-1.169	-0.87	-0.78	-0.307	0.558	-0.216	-0.481	-0.538	0.975	-0.233	0.033	0.456	-0.703	0.658	-0.284	0.537	0.504
SPFH2	686593 || S	-0.081	-0.139	0.588	-0.138	0.038	0.13	0.006	0.04	0.188	0.404	-0.143	-0.157	0.499	-0.489	-0.622	-0.416	-0.378	-0.098	-0.192	-0.267	-0.244	-0.122	-0.628	0.742	0.705	-0.347	0.436	1.709
SPG3A	685052 || S	0.375	1.414	1.129	-1.52	-0.375	-0.395	0.965	0.795	0.485	0.835	1.425	2.013	1.345	-0.125	1.505	1.475	0.655	1.945	0.485	-0.505	0.255	1.147	-0.595	-0.195	1.035	1.496	-0.344	-0.638
SPPL3	684761 || S	0.39	-0.16	1.151	0.546	0.606	-0.695	0.525	-0.288	-0.15	1.489	0.524	0.228	0.453	0.698	0.924	0.936	0.936	-0.03	1.192	0.748	0.026	-0.488	0.637	-0.654	-0.389	-0.752	-2.067	-1.703
SQLE	765400 || S	-0.125	0.717	1.346	1.335	1.246	-0.027	0.505	0.351	-0.238	1.005	-0.107	-0.342	0.325	1.944	0.579	0.308	-0.155	-0.826	-0.072	0.042	-0.535	-0.033	0.279	0.539	-1.539	-1.704	-1.084	-2.022
SQRDL	693902 || S	-0.2835	0.6205	0.1235	-0.5275	0.0165	-0.7665	-0.7515	-0.1765	-0.4965	0.2335	-0.5535	-1.1285	-1.4375	-1.0565	-0.3525	-0.6045	-0.0025	-0.4265	-0.1315	0.0385	-0.2235	-0.2715	-0.2725	-0.8795	-0.5605	-0.5675	-0.8605	0.1715
SREBF1	697860 || S	0.1915	0.2345	0.6515	0.5505	-0.3195	0.3365	0.8015	0.2325	0.0605	0.6855	0.4495	0.1715	0.5095	-0.1795	0.7665	0.5445	0.1845	0.9225	0.8965	-0.4605	0.4145	0.2325	0.1955	1.0805	0.2715	0.1825	0.6455	1.1305
SRI	696971 || S	0.2135	0.0135	0.4955	-0.2915	1.5355	-0.2455	0.4315	0.0365	1.2265	-0.7475	-0.9695	-1.2535	-0.1105	-1.3265	-0.6775	-0.4145	-1.0525	-0.4145	-0.1925	-0.3915	-0.1655	-0.1785	-0.7315	-1.1695	0.3605	-0.5845	-1.0585	-0.3635
SRPK1	697017 || S	0.0715	0.0505	-0.2205	1.1565	0.2295	-0.1625	0.0445	0.1335	0.1495	0.1415	-0.0435	0.0495	-0.4285	0.6015	0.5685	-0.2235	0.4085	0.7215	1.5935	1.0645	-0.4125	0.3165	-0.5035	-0.7645	-0.3925	-0.2555	-0.7265	0.0135
SSFA2	692106 || S	-0.2365	0.7005	0.6475	-0.5715	0.3415	0.1705	0.3335	0.5515	0.0805	0.1925	0.3505	-0.1255	-0.2645	-0.6365	-0.3815	0.3485	0.5675	0.4345	-0.3365	-0.3135	-0.2805	-0.4855	-0.0665	-1.2685	-0.6265	-0.6875	-0.4585	0.0525
SSR4	686717 || S	0.3695	0.2545	-0.5305	-0.4685	-0.2605	0.1685	-0.5395	-0.7065	-0.5395	-0.2065	0.1375	-0.0065	-0.2685	0.1805	-0.5025	-0.5185	-0.7645	-0.5015	0.3465	0.8175	0.0815	-0.1805	-0.2815	0.1765	0.2785	-0.0945	-0.6015	0.4885
STARD3NI	686038 || S	-1.2535	0.7565	0.8915	-0.2325	-0.5605	-0.4205	-0.0875	1.1835	1.4155	-0.0275	0.7755	1.4845	-0.6245	-1.0175	-0.3235	0.6225	0.3085	2.3655	1.3205	1.1365	1.2845	-0.5725	-0.6345	0.8845	-0.2875	-0.1625	-0.6595	-0.0885
STARD7	681306 || S	-1.4935	-0.1955	-0.9455	-1.5375	-1.7125	-1.6065	-1.4515	-1.2815	-0.9395	0.5795	-0.4655	0.6885	-1.1565	-1.3045	-1.7505	-1.5225	0.1185	-1.8385	-1.7145	-1.9145	-0.9615	1.9895	0.1985	0.0805	0.2525	-0.6405	-0.7985	-0.9175
STAT1	681492 || S	-0.1325	0.4915	0.4435	-1.2465	0.1225	-0.2955	-0.1835	-0.0325	-0.1445	-0.6695	-0.3415	-0.2775	0.2565	-0.8325	0.0355	-0.0715	0.8855	0.3835	-0.1815	0.3725	0.0465	-0.7855	-0.9015	1.3905	0.2835	-0.2915	-0.2215	0.4075
STC2	689625 || S	-0.3485	-0.0675	-0.1485	-0.1395	-0.4975	0.4115	0.4915	0.0565	0.0015	0.5945	0.9905	0.3935	0.9285	0.5635	0.3195	0.3635	0.5075	0.3225	0.4365	0.1105	-0.0745	0.0755	0.0615	1.2305	0.0555	-0.0015	1.0765	1.0425
STK24	688430 || S	-0.6895	0.5955	0.0885	-0.2545	1.0875	0.1355	0.7795	0.2005	-0.9945	-0.6715	0.1315	-0.3905	0.0995	0.3175	0.1665	0.9025	0.6735	1.2085	0.4835	-0.7495	-0.4565	-0.1755	0.4225	1.0675	-0.0565	-0.2085	1.1825	0.3955
STK8	685902 || S	0.185	0.884	0.607	1.482	1.131	1.457	1.53	2.69	1.089	0.076	0.575	0.631	0.682	0.453	0.858	0.394	1.067	-0.082	0	1.142	-0.143	0.391	0.395	0.195	-0.233	0.311	0.654	0.227
STMN1	682764 || S	0.3205	0.8045	1.6575	0.3915	1.7495	0.6595	0.3255	0.0685	0.6855	-0.1405	0.3435	0.4785	0.6875	1.2885	0.4285	1.2115	2.0465	1.0585	0.7325	0.4575	-0.1875	0.5195	-0.0275	0.5455	0.2085	0.3145	0.8015	0.5955
STX1A	691816 || S	0.3775	0.5175	-0.8945	-0.4705	-0.2055	0.7125	0.1015	0.1275	0.6565	1.4965	1.0295	1.2295	0.4765	0.4215	1.0135	0.7455	0.9485	0.1835	0.6465	0.7585	-0.7445	-0.1935	0.9855	-0.0905	-0.6345	-0.5825	-0.0285	0.3325
STX3A	691051 || S	0.0525	0.1625	-0.8705	-0.8485	0.2805	0.1295	-0.6645	-0.1345	-0.2605	0.5775	0.2385	0.2185	0.7565	-0.9045	0.5815	-0.3335	0.4535	-0.2265	-0.4865	0.0035	-0.0045	-0.5805	0.1065	0.6715	0.6875	0.5405	0.2035	0.3465
STYX	685620 || S	-0.7345	0.3005	-0.1295	-0.2785	-0.2095	0.4025	-0.3385	-0.7695	-0.6205	0.6185	-0.2535	-0.4315	0.0845	-0.3035	0.3255	-0.0575	0.2865	0.2655	-0.5515	0.1895	0.1425	0.0765	-0.2215	-0.7305	-0.0755	-0.0025	-0.6545	0.1315
SUGT1	693218 || S	-0.834	-0.202	-0.301	-0.473	0.471	0.199	0.443	0.252	-0.367	-0.653	0.058	-0.261	2.806	-1.092	1.997	0.181	-0.325	0.328	0.301	0.667	-0.03	-0.385	-0.557	0.245	-0.336	-0.536	-0.102	0.116
SUMF1	695843 || S	-0.2575	0.4765	-0.4565	-0.1595	0.3815	0.3795	0.6065	-0.1185	-0.2975	0.7195	0.0575	0.2995	0.3725	-0.4285	0.3185	0.1955	1.0685	-0.2835	0.0945	0.4815	-0.4005	0.1795	0.7415	-0.3965	0.3855	-0.9475	1.7435	3.1965
SUMO2	689403 || S	-0.1635	2.1985	0.2185	-0.2345	0.6195	0.2045	0.1385	0.2085	-0.0025	0.5725	1.0845	1.5235	0.1965	0.8885	0.9615	0.3965	0.6065	0.5645	0.0765	0.1465	-0.7445	0.5305	-0.4145	0.3515	-1.2335	-0.6525	0.3465	1.4775
SUV39H2	681342 || S	-0.9575	-1.9485	-0.8515	-0.1035	-3.1915	-0.4165	-0.3245	-1.2055	-0.0175	1.6735	0.4685	0.1145	-0.1695	0.1105	-0.9365	0.4015	-0.0095	1.4255	0.1215	-0.3765	0.7715	0.4085	-0.2885	-0.1145	0.5355	0.5855	0.5335	-2.5135
SYAP1	681813 || S	0.1525	0.5155	1.1875	0.7005	-1.0335	-0.6705	0.1045	0.4455	2.1945	2.1335	1.2555	1.5805	-0.2475	0.3895	0.9375	0.4495	1.8075	-0.2745	0.9065	-0.5315	0.1635	0.4845	0.3585	0.7685	-0.4555	0.9055	0.0695	-0.5915
SYCP2	689491 || S	0.466	0.589	-1.023	0.037	0.334	-0.3	1.029	0.957	0.647	-1.092	0.058	-0.403	-1.681	-0.077	-1.243	0.027	0.651	0.535	-0.438	1.683	-0.052	-0.227	-1.17	-1.243	-0.513	-1.523	-1.575	-2.5
SYNGR1	686385 || S	0.2375	-0.7715	-0.2525	-0.5125	0.1255	-0.0345	0.1255	-0.2355	0.1265	0.0175	-0.2615	-0.4305	-0.3385	-1.4365	-0.0785	-0.6765	0.3905	0.3165	0.0045	-0.3995	-0.5595	-0.4355	-0.4185	-0.7085	-0.0485	-0.0045	-0.4095	-0.5325
SYTL2	692920 || S	-0.0665	-0.3815	-0.2645	-0.6845	0.0965	0.0105	1.0635	-0.4145	-0.0005	-0.4675	-0.1035	0.1895	-0.2395	-0.1905	-0.0515	-0.3415	0.3635	0.5125	-0.1655	0.8745	-0.1365	0.0355	0.3725	-0.0345	0.1665	0.0395	0.3135	0.2935
TAF1B	681153 || T	-0.3425	0.1795	-0.7165	-1.0065	-0.6575	0.2885	1.2685	-0.4795	0.2255	-1.1465	-1.1395	-1.0805	-1.2125	-0.9235	-0.2815	-0.7885	-0.6205	-0.7435	-0.1495	0.0885	0.5095	0.5505	-0.0225	0.5785	0.2185	0.9855	0.0665	0.1095
TAF6	687144 || T	-0.048	0.034	0.54	-0.158	1.391	1.117	-0.442	0.63	1.01	1.265	1.194	1.093	0.636	0.327	0.328	0.636	1.063	0.866	1.216	0.218	-0.177	-0.201	0.477	1.204	0.187	0.257	0.712	0.209
TARBP1	697518 || T	-0.436	0.165	1.615	0.005	-0.674	-0.194	-0.696	1.322	-1.483	0.869	0.989	1.325	0.242	-1.066	2.039	0.494	0.191	-0.027	-0.029	-1.442	-0.711	-0.055	-0.461	0.242	0.415	0.255	-0.005	0.655
TARS	686090 || T	-0.2135	0.2995	-0.3475	-0.2595	-0.5095	-0.1255	0.3695	0.2705	0.9525	-0.0985	-1.0115	-1.0865	-0.2985	-0.3275	-0.1915	-0.1825	-0.2105	0.3395	0.4905	-0.2035	-0.0535	-0.4795	-0.2865	-0.6345	0.2945	-0.5405	-1.2255	-0.8375
TATDN1	692820 || T	0.1365	0.2255	0.0755	-0.3405	0.3985	0.3235	0.0205	0.1765	-1.0155	0.6335	-0.0775	-0.3385	-1.0075	0.2205	-0.4695	-0.5615	-0.6685	0.6385	0.0235	-0.6375	-0.1295	-0.2545	-0.1685	-0.6385	0.0905	0.8165	-0.2905	0.9085
TBC1D12	689394 || T	-0.8105	-0.1095	0.6865	0.3115	-1.8245	-0.2475	-0.0895	-0.5635	3.3995	1.3075	0.0605	-0.1145	-1.3515	2.9645	-0.4015	-0.0805	0.1725	-0.1155	2.2445	2.2855	0.2145	1.2515	1.6095	1.0945	0.3935	1.9105	0.3485	-0.5495
TBC1D14	683294 || T	-0.161	0.172	0.368	-0.056	-0.921	-0.183	-0.682	-0.185	0.108	1.034	-0.094	-0.004	0.149	0.057	-0.505	-0.32	-0.093	0.349	-0.492	-0.681	-0.268	-0.347	-0.338	-0.035	-0.526	-0.244	0.043	0.314
TBC1D3	684780 || T	-0.5225	1.4885	1.3875	2.3275	-2.1755	1.8015	-1.1105	1.5195	0.5195	1.0045	-1.1045	-1.8945	-1.8015	-1.6925	-0.7765	0.6395	1.3065	-1.3115	-1.3885	1.4345	1.9725	0.6365	1.1395	-0.7785	1.2225	1.5925	-2.0115	1.0455
TBCA	689449 || T	-0.892	-1.082	0.235	-0.137	-0.895	-1.29	-0.606	0.366	1.255	-1.837	-0.907	0.128	-1.612	-2.243	-1.242	-1.168	-2.522	0.106	-1.982	-1.505	-0.217	0.681	-0.698	-1.102	-1.629	-0.11	-3.885	-3.505
TBX1	682010 || T	2.6305	1.7445	2.3055	3.6835	4.3915	1.8925	0.2415	3.5095	2.6395	1.2835	0.6945	1.5905	3.7395	-0.1235	1.9255	1.4535	0.4595	0.7815	1.8355	2.0535	0.0545	-0.0375	1.2945	-0.0485	-0.0005	0.3275	0.1735	0.0005
TBX3	687903 || T	-0.071	-0.638	-0.146	-0.245	-0.38	-0.625	-0.579	-0.335	-0.232	-0.762	-0.02	0.028	-0.739	-0.382	-0.022	-0.004	-0.467	0.062	-0.46	-0.845	-0.539	-0.395	-0.404	-0.491	-0.83	-0.56	-1.088	-0.898
TCAP	680995 || T	-0.121	-0.757	-0.379	-0.485	-1.01	-1.324	-0.725	-0.022	-0.028	-2.491	0.257	1.272	-1.166	-0.731	0.506	0.261	-0.579	0.329	-0.439	-0.164	-0.384	-0.797	-0.128	-0.86	-1.014	-0.952	-0.732	-1.645
TCEAL1	688759 || T	-0.2185	0.0035	-0.5845	-0.0765	-0.5935	-0.4405	-0.2555	-0.0035	0.1015	-0.6675	-0.0295	0.8485	-0.8135	-0.2855	0.0775	-0.3235	-0.8845	0.4015	-0.0945	-0.3565	-0.2075	-0.7375	-0.4965	-0.8205	-0.3995	-0.8515	0.0485	-1.0045
TCEAL3	691252 || T	0.608	1.041	-1.488	-0.512	0.148	0.784	0.451	0.876	0.641	-0.535	1.458	1.104	1.886	0.878	-0.721	-0.161	0.67	-0.244	0.442	0.128	0.68	1.448	1.813	0.726	0.827	1.68	0.359	-0.347
TCEAL4	687353 || T	0.005	0.263	0.107	0.487	1.547	1.945	1.411	0.466	0.158	0.197	0.325	-0.222	0.342	-0.066	0.317	-0.208	0.263	-0.234	0.658	0.536	0.318	0.047	0.827	-0.041	-0.297	0.16	1.152	0.31
TCF15	685545 || T	-0.555	0.041	-0.066	-0.657	0.293	-0.154	-0.102	0.233	0.348	-0.922	-0.277	-0.315	-0.349	-1.175	0.802	-0.121	-0.449	-0.071	-0.452	-0.174	-0.469	-0.372	-0.438	0.321	1.006	0.036	0.705	0.182
TCF3	689758 || T	-0.26	-0.564	0.674	-0.704	-0.32	-0.486	0.354	-0.146	0.389	-0.629	-0.058	-0.132	-0.43	-0.516	0.119	0.245	-0.274	0.268	-0.134	0.214	-0.001	-0.373	-0.188	0.463	-0.38	-0.306	-0.565	-0.253
TCF7L2	688358 || T	-0.2585	-0.2575	0.5095	0.2635	0.5135	-0.0365	0.3095	-0.1235	-0.2435	-0.3565	0.2895	-0.1915	0.3815	1.1395	-0.2355	-0.1095	-0.3055	0.1115	-0.3005	-0.4595	0.8205	0.7755	0.4225	0.3595	-0.1315	-0.5145	0.0085	0.2115
TDRD7	695761 || T	1.8725	0.0235	1.2305	1.0235	1.2645	1.6625	1.0595	0.2565	1.0195	1.4565	0.7765	0.1745	2.5655	1.0415	0.7225	0.7575	-1.9235	-0.1755	1.0895	1.3765	1.6255	0.8485	1.3975	-3.9835	-2.7455	-3.4215	0.0505	-1.5145
TESK2	686924 || T	-0.064	0.413	-2.102	-1.955	-1.906	-2.156	-1.313	-2.051	-0.169	1.253	-1.047	-2.195	-1.966	-1.473	-1.868	-2.108	-0.214	-1.647	-2.253	-1.34	-0.035	0.973	-2.221	1.659	0.715	-0.445	0.812	1.521
TFAP2B	686514 || T	0.085	0.703	-0.539	-0.023	0.518	0.165	1.725	0.183	0.687	0.681	0.095	-0.639	0.527	0.129	-0.216	-0.367	0.933	0.204	0.468	1.538	-1.077	-0.189	-0.2	-0.185	-0.169	1.355	0.659	0.524
TFCP2L1	685915 || T	-0.5755	-0.9215	-0.2785	-0.7435	-0.7155	-0.8425	0.0075	-0.0905	2.7855	-1.1645	-0.1355	0.1105	-0.2875	0.1305	-0.8425	-0.3435	-0.6275	-0.2385	-0.5835	-0.6965	-0.3485	0.6345	-0.6235	0.1555	-1.1295	-0.0075	-0.6355	-0.8735
TFCP2L2	697960 || T	-0.5895	-3.6035	2.2445	0.3505	-1.9415	0.3315	2.6425	0.9165	3.1585	-2.8305	-0.3925	0.9725	-1.1665	2.5465	-1.5415	-0.7635	-1.3275	-0.1375	-1.0235	-3.6485	0.2975	0.7415	-0.6825	-3.1555	-2.8865	-3.0255	-4.0875	-3.8965
TFF1	688687 || T	-0.8535	0.9425	1.1765	-0.9485	0.9585	0.2215	-0.1465	0.9855	0.1435	1.2285	1.1085	0.2925	0.5325	0.5305	-0.0195	0.5095	0.7695	0.8015	1.0345	1.5675	0.7565	0.2225	-0.2885	0.3545	-0.2365	-0.3235	1.2815	-0.1425
TFF3	695605 || T	0.639	-0.254	-1.05	-0.974	-0.952	-1.623	-0.663	-0.644	-0.738	-0.461	-0.695	-0.788	-1.111	-0.816	-0.922	-0.874	-0.981	-0.941	-0.15	-1.213	0.015	0.925	-0.528	0.44	0.906	-1.175	-0.995	-0.721
TFRC	693432 || T	-0.1875	-0.2145	-0.4635	-0.1665	0.5805	0.3115	-0.7885	0.0865	-0.1955	-0.1105	-0.5525	-0.7855	-0.5995	-0.7885	-0.5905	-0.2535	-0.1595	-0.2975	0.0495	-0.6925	-0.0755	0.3985	-0.5765	-0.2425	0.1735	-0.3815	0.6405	0.2885
TGFBR3	690641 || T	-0.06	-0.16	-0.732	-0.012	0.298	-0.04	1.176	-0.439	0.402	-0.607	-0.41	-0.69	0.378	0.11	-0.226	-0.16	-0.157	-0.098	0.53	0.93	-0.657	-0.029	0.054	-0.382	-0.346	-0.373	0.396	0.278

Table 18.

Sample		9830-0100	BC00030-I	030222-MI	030064-BC	030521-BC	9819-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-MI	BC00036T	BR01-012	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-108	UB49	BC00070	UB-116	PB377	BR97-013	PB419
Class		HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
THY28	687185	-0.3165	-0.3755	-0.5795	0.0265	-1.8235	-1.0875	-1.6845	-0.7755	-0.1665	-0.7245	0.0735	-0.5665	0.4065	-1.5885	0.3815	-1.0695	-1.1385	-0.8745	0.0675	-1.1025	0.0145	-0.2565	-1.4555	-0.9775	-0.2375	-1.0005	-0.8265	-0.8165
TIF1	682191	-0.445	-0.415	-0.02	-0.485	-0.233	-0.134	0.179	-0.554	0.013	0.129	-0.814	-0.873	-0.37	-0.665	-0.732	-0.343	-0.186	-0.309	-0.874	-1.081	-0.16	-0.239	-0.662	-0.371	-0.959	-0.441	-0.355	-0.448
TIGA1	689331	-0.44	-0.417	-0.074	0.349	-0.21	0.568	0.264	-0.027	-0.216	0.72	0.392	0.55	0.682	0.098	-0.538	-0.059	0.366	0.41	-0.408	0.391	0.273	0.393	-0.305	0.034	-0.043	-0.293	0.816	0.299
TIM14	681121	-0.0105	0.0925	-0.1685	0.3485	-0.3105	0.1255	-0.6455	0.1645	0.2235	0.3325	0.0575	-0.3295	0.4445	-0.2535	1.0585	-0.1795	0.0055	-0.5555	-0.0945	-0.0205	-0.4255	0.0025	-0.6415	-0.4945	-0.0665	-0.3025	-0.3185	0.3765
TIMELESS	689106	-0.4875	0.3285	-0.1675	-0.3775	-0.4815	-0.4265	-1.1355	0.0885	0.0235	0.5315	0.1495	0.3025	-0.2555	-1.1345	-0.2045	-0.5325	-0.1625	-0.2675	-0.6305	-0.8575	-0.3595	-0.7695	-1.0595	-0.5965	-0.8355	-1.1685	-0.0345	-0.4935
TIMM9	684722	0.113	-0.29	-1.008	-0.141	-0.916	3.892	-0.075	-0.85	-0.361	-1.159	-1.452	-1.004	-1.474	-1.57	-1.024	-0.661	-0.963	-0.203	-0.542	0.766	-0.383	-0.383	-0.718	1.313	-0.766	0.038	1.201	-0.871
TINP1	688051	-0.7115	-0.5025	0.0595	0.5115	0.0035	0.4215	1.5915	-0.0265	-0.5085	0.8095	0.1555	0.1625	1.1745	0.5585	0.9515	-0.0325	0.5985	-0.6505	0.0695	0.8425	-0.1975	0.0575	1.5985	-0.2355	-0.2015	-1.3105	0.3235	0.1015
TIP120I	686908	-0.029	-0.41	-0.483	-0.988	-1.571	0.321	-0.65	-0.54	-0.307	-1.515	-0.721	0.097	-0.358	0.474	-0.299	-0.678	-1.078	-0.165	-0.363	0.52	0.073	-0.01	0.519	0.379	0.116	-0.321	0.616	-1.601
TK1	688069	0.892	-0.589	-0.268	-0.198	-0.657	-0.83	-0.003	-0.413	-0.294	-0.753	-0.587	-0.041	-1.229	-0.98	-0.097	-0.629	-0.821	-0.323	-0.536	1.204	1.133	-0.54	0.055	-0.17	1.49	1.093	-0.074	-0.73
TLE2	690798	0.08	0.019	-1.025	-0.937	0.364	2.124	-1.169	0.004	0.623	0.147	-1.212	-0.624	-1.685	-0.456	-0.541	-0.132	-0.181	0.387	0.219	-1.48	-0.554	-0.96	-1.032	-0.853	0.334	0.049	-0.438	1.644
TLR5	682772	-1.469	0.968	-0.172	-0.726	-0.105	0.833	-0.899	0.057	0.886	0.024	0.398	0.647	0.272	-0.841	-0.41	0.284	0.034	0.392	0.126	-0.084	0.361	-0.517	-0.416	-0.724	-2.017	-0.663	-1.121	-1.502
TM4SF12	689572	-0.483	-0.661	-0.081	-1.014	0.353	0.045	-0.441	-0.221	-0.055	0.301	0.05	0.105	-0.747	-0.328	-0.108	0.404	0.415	0.649	-0.001	1.794	-0.56	-0.92	-0.074	-0.25	-0.072	-0.91	-0.209	-0.105
TM4SF13	696352	-1.01	-0.996	-1.042	0.082	-0.758	-0.059	0.452	-0.801	0.048	0.57	-0.961	-0.19	0.124	-0.138	-1.61	0.015	-1.326	-0.964	-0.014	-0.621	-0.347	0.208	-0.584	-1.555	-1.194	-1.211	-0.603	-1.396
TMEM14A	683793	-0.0355	-0.0655	-0.4215	0.6425	0.0765	-0.0055	0.0765	0.2045	0.7595	0.0385	0.0995	0.2365	-0.3155	-0.3965	-0.2385	-0.1035	-0.0295	-0.2975	-0.1875	-0.0825	-0.1355	-0.3105	-0.8245	-0.5555	-0.1815	-0.2625	0.0915	-0.2675
TMEM25	697985	-0.2025	-0.7665	-0.4795	-0.1515	-0.1825	-0.3425	-0.1665	-0.5635	-0.4205	-0.8765	0.1375	-0.6075	0.7415	0.4155	0.2755	-0.0405	-0.2025	-0.3255	-0.5935	-1.1815	0.1745	0.3345	-0.4845	0.3835	1.2655	1.9745	-0.4085	3.4595
TMEM4	695931	0.494	0.551	-0.223	1.823	0.752	1.407	2.278	1.14	1.064	0.407	0.809	0.711	0.479	1.781	0.249	1.507	1.996	1.625	0.999	2.024	0.421	0.131	1.004	1.217	0.803	0.311	0.913	-0.597
TMPRSS5	689589	-0.011	1.6	0.1	0.68	0.045	1.107	1.827	1.038	-0.308	0.803	1.663	0.26	-0.907	0.288	0.407	0.145	0.223	0.493	1.599	-0.393	-0.149	-0.26	0.296	0.847	-0.104	0.71	2.87	0.55
TMSB10	695386	-0.989	-0.485	-0.69	-0.044	1.275	-0.15	0.742	-1.612	-0.856	0.168	0.099	-0.022	-0.211	0.297	0.416	-0.117	-0.459	2.271	3.572	1.82	0.033	0.691	0.133	0.213	-1.629	0.022	-1.274	-1.236
TMSNB	681721	-0.3705	0.5735	-0.1605	-0.5485	0.5805	-0.7715	-0.2915	0.9305	0.1405	-0.6035	0.2545	0.2235	-0.2335	-0.0305	0.3085	0.7565	0.6135	0.6585	0.5485	1.3245	0.1165	-0.5375	0.1365	0.2775	-0.0525	0.6275	0.9455	0.5485
TNFRSF1	681592	0.516	0.475	0.573	-0.582	1.021	-0.485	-0.459	0.777	0.014	-0.497	0.235	-0.094	-0.689	0.216	0.159	0.605	0.35	0.407	0.105	1.77	0.596	-0.837	0.298	0.172	0.598	0.655	0.84	0.341
TNFRSF2	689952	-0.6075	1.1245	-0.9545	-0.8305	0.3145	0.8015	1.4465	1.5355	1.9205	0.5935	-0.3105	-0.9835	-0.0085	0.4755	0.6415	0.7205	1.5025	0.6225	0.0645	1.1145	0.8365	0.6885	1.0595	0.1815	0.2745	0.0235	-1.1855	-0.7585
TNFRSF2	692465	4.5275	0.8535	-0.3135	3.8485	-0.4785	-0.7805	3.1885	-0.5515	0.2865	3.2465	1.8805	2.7455	1.9335	3.3595	-0.1965	2.3975	1.9675	0.3135	1.7475	1.9755	1.1645	1.5235	-1.2635	0.9085	-0.1255	-0.9725	0.2365	0.6425
TNFSF4	694020	0.4285	0.3205	0.7155	0.6635	1.6865	0.2815	0.7485	0.2925	0.5275	-0.0545	0.1515	0.7325	-0.0015	-0.1875	-0.6785	0.0205	0.1545	0.2035	0.0395	0.3895	0.1455	-0.1485	0.0015	-0.3795	-0.7925	0.1735	-0.2565	0.1955
TNFSF7	684958	0.5085	-0.8915	-0.6475	0.3485	0.3435	1.1235	1.3165	-0.5725	-1.0925	0.0685	0.5055	-0.0395	0.2215	0.0615	-0.6825	0.3015	1.2565	-0.2555	-0.2765	0.7705	-0.0475	-0.5675	0.9735	-0.1415	-0.2125	1.3085	0.6905	0.3125
TNIK	695447	0.7165	0.6615	-0.2495	-1.1195	-0.6505	-0.4455	-0.1065	-0.4125	-0.6635	-0.6445	-0.1255	-1.1935	-0.1685	0.9855	-0.1165	0.6195	-0.2035	0.0115	0.0805	0.8525	0.1405	0.5115	0.0485	2.7655	2.0585	0.1095	1.0335	0.0315
TNNC2	687349	-1.016	-0.009	-0.05	0.162	-0.177	-0.322	2.336	0.685	-0.666	-0.428	-0.479	-0.323	0.332	-0.412	-0.473	-0.098	-0.353	1.98	0.767	-1.359	-0.747	-0.473	0.266	0.589	-1.154	0.17	0.304	0.001
TNNI2	687679	-0.661	-0.485	-0.503	1.17	-0.7	-0.518	0.087	-1.32	-0.147	-0.006	-0.193	0.964	0.675	0.024	1.664	-0.94	-0.494	-0.314	1.032	-0.846	0.975	-0.217	-0.494	-0.695	-1.277	-0.82	-1.471	0.41
TNNI3	695629	-0.5055	-0.9235	-0.6855	-0.5875	-0.3565	-0.5845	0.4575	-0.1905	-0.4465	0.0915	-0.2085	-1.0235	0.7245	-1.3285	2.8585	-0.5075	2.2035	1.1765	-1.6035	-0.3515	-0.3265	-0.6735	-0.6405	-0.6035	-0.9755	-1.4635	-0.9365	-1.2685
TOB1	683402	0.2765	0.1565	-0.7765	0.3365	-0.6545	-0.0315	-0.2025	-0.0575	-0.4625	-0.0375	0.0455	0.1405	-0.6815	-0.2025	0.0935	-0.2355	-0.5865	-0.4985	-0.3075	-0.5885	0.2065	-0.2305	0.9225	-0.9495	0.0635	-0.4285	-0.3525	-0.2625
TOM1L1	685320	-0.3295	1.1905	-1.3165	-0.3965	-0.3285	0.1085	-0.7425	-0.1165	-0.4535	0.6885	1.2455	0.8555	0.9895	0.1265	-0.2805	-0.4485	0.0575	-1.0555	-0.6965	-0.1295	0.4525	0.2865	0.3405	0.9845	1.9695	1.9095	0.8405	1.0705
TOMM7	683060	-1.0405	-0.1855	1.2045	-0.8175	-0.6555	0.0655	0.1835	-0.3145	-0.0695	-0.6135	-0.3995	-0.6585	-0.1475	-0.8205	-0.0995	-0.4595	-0.1405	0.5015	0.1465	-0.5635	0.5915	-0.7425	0.9225	1.1385	0.9375	-0.3365	0.6515	0.9885
TOP1MT	693021	-0.361	0.498	-0.148	-0.64	-0.24	1.201	1.1	-0.359	-0.421	-0.125	-0.025	-0.442	-0.33	-0.812	0.438	-0.124	0.334	0.184	-0.108	-0.254	-0.338	-0.395	-0.163	0.049	-0.685	-0.749	0.349	1.239
TOP2A	690278	-0.3165	0.0675	-0.2815	-0.7685	-0.5685	0.1485	0.0615	-0.0575	-0.1015	0.7865	-0.2505	-0.4795	-0.3205	-0.7085	-0.6225	-0.3235	0.2095	-0.2165	-0.0935	0.8075	0.1055	-0.2325	-0.1675	0.4145	0.2865	-0.0405	0.1555	-0.1335
TOP2B	687326	-0.991	-1.654	0.617	-0.485	-0.555	0.771	0.492	-0.325	-0.154	0.067	0.001	-0.368	0.452	-1.062	0.335	-0.141	-0.142	1.502	-0.385	-0.639	-0.95	-1.006	-0.798	0.477	-0.628	-0.848	1.167	1.083
TOPBP1	697492	0.8365	-0.9665	-1.0925	1.0825	1.3945	0.5965	3.0405	-1.0845	-1.0555	-0.2625	-0.1075	0.3885	0.8355	1.8175	0.5935	-0.6855	0.6275	-0.4565	-0.4865	1.4995	-0.0475	0.0895	0.2425	-0.5915	-0.5355	-0.8445	-0.9475	0.2525
TOPK	684492	-0.4015	1.1375	-0.3415	-0.6055	-0.1925	1.2345	1.8185	-0.1175	0.4665	-0.8125	0.2505	-0.2355	-0.6235	-2.0705	0.1095	0.8205	0.4845	0.3925	0.3755	-0.3245	-0.4295	-0.0235	-0.0295	0.8725	0.0185	0.9995	0.6705	0.2355
TP53AP1	688947	-0.2125	-0.3295	-0.0785	0.4155	0.7415	0.3215	0.4135	-0.2285	-0.1175	-0.8275	0.0725	0.2445	0.5965	-1.0965	-0.7265	-0.1915	-0.7525	1.8325	0.8345	0.1215	0.6045	-0.3215	0.2215	-0.6895	-0.7835	-0.3305	-1.8125	-1.5945
TP53BP2	681831	0.2295	0.2115	-0.6405	-0.5385	-0.2695	-0.2085	-0.7105	-1.0545	-0.7695	2.0675	1.4115	1.8445	-3.4235	-0.2805	-0.1655	0.2635	-0.1385	-1.3555	-0.3665	-0.5055	0.7585	1.4695	1.0895	-0.4745	-0.8425	-1.6475	0.7335	-0.4095
TP53INP1	686814	-0.3115	0.0515	0.4105	0.2245	0.4575	0.0105	0.1525	-0.0155	0.0615	2.0305	0.8635	0.1355	0.7885	-0.5935	1.0425	0.8975	1.3255	0.4435	-0.0435	0.1595	-0.5985	0.9245	0.2435	0.3965	-0.0005	-0.0295	1.4275	1.4165
TPD52L1	684176	0.462	0.159	-1.695	-0.431	-1.468	0.332	0.238	-0.467	-0.501	0.541	0.388	-0.13	-0.676	0.462	-0.059	-0.674	-0.225	0.698	1.04	1.332	2.333	0.188	-0.259	0.793	0.729	0.621	-1.775	-0.869
TPRT	695363	0.4265	-0.7915	1.4675	2.7685	2.8385	1.9715	0.4605	0.0655	0.1975	-0.2305	0.5635	0.6265	2.6435	0.8455	-0.3535	-0.7765	-0.0325	-0.3245	0.9505	-0.0725	0.0905	-0.2825	0.6545	-0.6735	0.5455	1.8765	0.3175	-0.1735
TRA@	696810	-0.015	-0.464	-0.213	0.089	-0.412	0.042	-0.242	-0.101	0.04	-0.05	0.063	0.035	0.431	0.334	-0.561	0.697	0.122	-0.079	-0.021	-0.097	-0.114	0.535	0.069	-0.508	0.183	-0.372	-0.287	-0.69
TRAF4	695150	-0.454	-0.155	0.581	1.105	0.001	-0.076	-0.178	0.039	-0.081	-0.073	-0.63	0.892	-0.556	-0.531	-0.715	-0.878	-0.632	-0.026	-0.22	-0.424	-0.56	-0.218	-0.44	-1.038	-0.175	-0.372	-0.145	-0.45
TRAPPC4	682554	0.232	-0.182	0.192	-0.044	-0.662	-0.625	-0.801	-0.493	-0.227	-0.458	-0.447	-0.265	-0.344	-0.575	-0.484	-0.629	-0.557	-0.137	-0.348	0.114	-0.374	2.008	1.142	0.265	2.318	1.935	0.537	-0.041
TRH	688633	-0.3705	0.0485	-0.0495	-0.3035	-1.1565	-0.2195	-0.6845	-0.4535	-1.2765	0.3455	0.0665	-1.1095	-1.3515	-1.2635	0.4725	0.2055	0.8665	-0.1385	-0.1545	0.5335	-0.8915	-0.6355	-0.7335	1.2305	1.6885	1.1285	0.3365	0.1505
TRIM17	684736	0.1455	0.9685	0.3835	-1.1755	-0.9865	-0.8045	0.0765	-0.2205	0.0285	0.5235	0.2255	0.4775	-0.7605	-0.2305	-0.2785	0.5915	0.8625	0.0065	-0.1985	0.0085	-0.8355	-0.1785	-0.0405	-0.4305	-0.6935	0.3885	-0.9905	-0.0755
TRIM2	682053	-0.3595	1.1495	-1.0695	-0.3445	-0.7985	-0.3215	-0.3835	-0.5245	-0.6375	0.5315	0.5075	0.1875	2.8275	-0.9485	-0.6065	-0.7295	0.1295	0.6295	2.1335	-0.0555	0.6385	-0.4165	0.4325	-0.3495	-0.1835	-0.1125	-0.0505	-0.4205
TRIM6	682620	-1.503	-1.122	0.559	-1.482	-1.762	-0.524	-3.944	-0.903	-0.367	0.193	-2.704	-0.385	-1.638	-4.8	0.435	-0.651	-1.672	-0.589	-0.815	-1.546	-0.311	0.428	0.172	0.683	0.231	-0.512	-1.351	-0.939
TRIP3	696359	-0.2905	-0.3555	-0.6245	-0.5255	0.1805	0.0335	-0.1345	-0.4315	0.1625	0.1365	-0.6735	-0.4395	-0.4585	-0.1865	-0.3295	-0.3905	-0.4415	0.0885	-0.4865	-0.8415	-0.4455	-0.6285	-0.1725	-0.0565	-0.4905	-0.4205	0.0865	0.3645
TRPS1	683107	0.1575	-0.4235	-0.2875	-1.0335	-0.2475	0.5165	-0.8945	-0.1445	0.0475	-0.1645	-0.6195	-1.3595	-0.5205	-1.0085	0.0095	-0.6005	0.0375	-0.1205	-0.6645	-0.0675	-0.0805	0.5855	-0.1985	-0.6975	-0.1875	-0.3885	-0.3065	-0.9535
TSG101	685765	0.0755	-0.0835	-0.6745	0.7715	0.1215	0.0205	-0.3985	-0.5475	0.3485	-0.8925	-0.1585	0.5805	0.7105	-1.2195	-0.1675	-0.6665	-1.4265	-1.0685	-0.2535	0.5035	0.9365	0.5835	-1.0065	-1.3515	0.1075	-0.3605	0.1465	0.8995
TTC10	687943	0.0935	-0.0815	-0.3825	-1.1545	-0.2705	0.3145	0.8615	0.0445	0.4025	1.0665	0.9285	0.2115	0.5705	-0.0425	0.3945	-0.1305	-0.0715	0.5375	-0.0035	-0.2565	-0.6225	0.0405	0.2105	1.0305	0.7855	-0.5065	1.9295	0.9165
TTC12	682598	0.481	0.595	0.174	-0.135	0.096	-0.485	0.096	-0.176	-0.157	-0.3	0.468	-0.1	0.01	0.548	0.374	0.331	1.059	0.283	-0.138	-0.077	0.294	0.115	0.573	1.15	1.851	0.891	1.931	1.473
TTK	691976	0.4525	-0.6155	0.5725	2.2125	-0.1395	-0.4475	0.9995	-0.9255	-0.7795	-0.3455	0.1835	0.7445	0.6265	0.6395	-0.2205	0.0035	0.5875	0.9545	0.3265	1.2345	-0.4035	0.6555	0.5415	2.5775	4.0775	4.3015	4.0985	4.7735
TTLL4	685109	1.455	1.21	2.045	0.672	0.564	-0.197	-0.165	0.688	0.042	-0.78	0.955	0.167	2.726	0.307	1.523	1.977	1.767	2.628	-1.134	1.623	-0.638	0.162	1.675	1.197	0.06	0.713	2.057	1.391
TTYH1	686941	0.5625	-0.5155	-0.9085	0.6395	-0.3795	0.2395	-0.2245	-0.1745	1.4795	-0.5585	-0.1635	-0.6565	0.6725	0.4955	-0.5915	-0.2945	-0.7825	-0.6565	-0.6305	0.7385	0.5395	0.5725	1.9065	1.3665	2.1835	0.5945	0.9945	0.6065
TUBB3	685420	0.6095	-0.2575	0.4995	1.0185	0.4915	0.6605	0.3755	-0.1605	0.6845	-0.5445	0.1385	-0.1235	-0.2715	0.0955	0.3305	0.1765	0.1525	0.3705	-0.3595	0.3745	-0.2435	-1.0505	-0.6245	-0.0315	-0.1505	-0.0615	0.0385	-0.1115
TULP3	684931	-0.335	-0.805	-0.321	-1.464	-1.205	-0.005	-0.065	-0.055	0.095	0.125	-0.005	-0.484	-0.035	0.285	0.425	0.085	2.405	0.325	0.035	0.265	0.105	-0.188	-0.595	1.475	0.745	0.552	0.943	0.192
TXN	687357	-0.198	-0.236	-0.353	0.286	0.08	0.468	-0.109	-0.014	-0.304	-0.167	-0.642	-0.733	0.183	3.82	-0.663	-0.384	-0.656	-0.64	-0.441	0.282	0.881	0.628	-0.175	0.035	1.454	-0.23	0.586	0.378
TYMS	763590	0.0765	1.1495	0.0005	-1.3135	1.1995	-0.3665	0.9455	-0.1165	-0.8635	-0.4465	0.6995	-0.5955	-0.0005	-0.6315	0.3385	1.1675	1.0805	1.1045	0.0445	0.6165	-0.1345	0.1525	1.0405	-0.0395	0.0895	0.1325	0.0145	0.9415
U5-116KD	696228	-0.3285	-0.7625	-0.4585	-0.0155	0.2315	0.2655	0.2385	-0.1955	0.2655	0.5035	0.0315	0.3635	0.0595	0.4575	-0.2925	-0.3645	0.2425	0.1425	-0.5885	-0.5185	-0.1575	0.4435	-0.1535	-0.7515	-0.7835	-0.6455	-0.0935	2.2035
UBE2E3	682401	-0.113	0.451	-0.655	0.142	1.26	0.322	0.433	-0.393	-0.023	0.392	0.016	0.315	0.647	0.869	-0.169	-0.148	-0.266	-0.226	0.024	-0.055	0.303	0.461	0.17	0.078	0.811	-0.238	-0.048	0.028
UBL5	688745	1.0255	0.5855	1.7265	2.6805	0.4325	0.5395	0.0385	0.6045	0.7015	-1.0595	-0.2685	0.1975	-1.1905	-0.2235	0.1435	1.2645	1.0165	0.5755	0.5815	0.3275	1.6685	-0.5745	-0.0805	2.1685	0.1665	3.0275	3.1445	0.9765
UBN1	687671	1.1	0.165	-0.059	0.067	1.548	-0.11	-0.404	-0.326	-0.01	1.237	1.317	1.019	0.601	-0.391	0.785	-0.429	1.201	0.034	-0.167	0.201	-0.942	-0.355	-0.527	-0.154	0.417	-0.276	-0.126	1.37
UCHL1	688791	1.094	-0.71	1.265	0.522	-1.069	-0.242	-0.873	-0.899	-0.535	-1.171	-1.149	-1.368	-0.329	-0.416	-1.388	-1.181	-0.598	-1.277	-0.205	-0.834	0.577	-0.525	-0.527	-1.827	-0.7	-1.009	-1.981	-0.039
UCHL3	695206	0.483	0.683	0.068	0.774	-0.172	0.432	0.993	0.258	0.466	1.084	1.643	0.682	0.992	1.623	0.668	0.288	0.409	0.429	0.499	0.623	-0.712	-0.425	-0.217	0.45	-0.152	0.109	0.415	0.935
UGCG	682939	4.5175	-0.3235	-0.0465	5.5375	1.0295	0.3475	6.0285	0.8215	-0.0445	5.2465	1.9165	1.4085	5.7965	5.2245	-0.1685	4.4025	2.2645	2.6275	3.2125	3.8925	-1.1675	0.5735	0.0555	-0.4645	-1.6485	0.1545	-0.5675	-0.8105
UGCGL1	688132	-0.3205	-0.3035	0.2375	-0.4715	0.3055	-0.0735	0.2655	-0.4345	-0.5375	0.1835	-0.1335	-0.1045	0.7655	0.0685	-0.0105	3.3685	0.8255	0.2035	0.8365	3.1955	1.1735	-0.0375	0.9275	1.3445	1.4005	0.6175	0.7905	0.3235
UGT2B7	689581	0.0505	-0.3075	0.5035	0.6575	-0.0035	0.9225	1.0455	-0.6725	-0.2445	0.3225	0.3675	0.9485	0.2085	0.9965	-0.2165	0.1805	0.6925	0.3755	0.1955	1.5225	-0.0855	-0.0645	0.6285	0.6025	0.5925	-0.2485	-0.4485	0.1205
UNC13D	693680	-0.486	0.063	-0.094	-0.59	-0.523	-0.911	-0.07	0.343	-0.789	0.6	-0.192	-0.121	-1.217	-0.701	0.134	-0.075	-0.283	-0.16	-0.477	-0.776	-0.104	-0.762	0.021	-0.492	-0.828	-0.389	-0.516	0.016
VAMP8	685078	-0.104	0.537	-0.21	-0.697	-0.341	-0.124	0.368	0.027	-0.073	0.173	0.016	0.294	-0.545	1.171	-0.48	0.49	0.139	0.284	1.142	1.162	1.496	-0.35	0.099	-0.047	0.663	0.175	-0.885	-0.329
VAPA	686453	-0.5735	0.4505	-0.3095	1.0655	0.3285	-1.0805	0.2825	-1.0665	-2.7185	-1.8625	-0.1265	-0.2775	-0.5925	-0.8415	-0.7465	0.0395	0.3535	-0.3745	-1.3225	-1.9745	0.3165	0.6265	-0.6035	-2.1145	-2.4415	-3.0925	-1.8925	-0.5355
VAV1	693880	0.418	-0.683	0.114	1.214	-0.216	-0.052	3.352	1.302	-0.68	0.491	-0.824	-0.926	-0.521	4.904	-0.624	-0.739	-0.983	-0.104	0.362	-0.235	-0.71	0.52	0.643	0.701	0.428	0.469	0.261	1.338
VAV3	695745	-0.265	-0.443	0.329	-0.142	0.229	-0.091	-0.098	0.291	0.004	0.316	0.942	1.032	-0.117	0.096	0.553	0.075	0.069	0.413	-0.015	-0.756	-0.602	-0.718	-0.348	0.79	-0.136	-0.972	-0.141	0.257
VCX3	688317	0.469	0.008	-0.02	0.234	-0.193	-0.069	-0.428	1.761	0.114	0.162	-0.332	-0.049	-0.394	-0.28	0.059	0.152	-0.476	1.346	-0.291	0.084	-0.063	-0.035	-0.045	0.004	-0.248	0.002	-0.241	-0.376

Table 18.

Sample	9830-0100	BC000301	030222-Mf	030864-BC	030521-BC	8919-0003	BC00051	BC00063	BC00087	9819-0003	020573-BC	020577-Mf	BC00036T	BR01-0120	BC00055	BC00071	BC00074	BC00097	BC00010	UB-117	UB-118	BR94-1083	UB49	BC00070	UB-116	PB377	BR97-0131	PB419
Class	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	HER2	BASAL	BASAL	BASAL	BASAL	BASAL
VDAC2 661367 | \	1.0085	0.8055	0.2435	-0.1605	-0.2915	0.8685	-0.0915	-0.4415	-0.2015	0.1985	-0.2315	-1.1655	0.5985	0.2085	0.0385	-0.0915	0.1285	-0.1515	1.0385	3.0385	-0.1315	0.2605	0.9485	2.5885	3.4885	1.1985	1.7075	0.8535
VEST1 685356 | \	-0.309	-0.344	0.508	1.11	-0.251	0	-0.187	-0.02	0.02	0.015	0.516	0.575	0.837	-0.07	0.669	-0.141	-0.041	-0.027	-0.279	-0.42	0.287	0.143	0.465	0.409	0.413	0.587	0.152	-0.426
VGLL1 763309 | \	1.1175	0.1685	-0.3685	0.3005	-1.0615	-0.7915	-0.6585	0.2795	-0.1075	-0.8085	-0.3345	-0.9715	-0.2095	-1.2215	-0.9065	-0.6795	-0.4605	-0.5735	-0.6435	0.4025	0.0395	-0.4425	-0.0365	-0.0365	1.3305	0.9775	-0.2505	0.3485
VMD2L2 896188 | \	0.234	0.469	0.969	0.866	0.112	0.155	-0.659	-0.113	0.081	0.416	0.081	0.356	0.566	0.811	0.166	1.591	-0.094	-0.003	-0.422	0.843	0.675	0.571	-0.259	0.574	0.459	0.121	-0.231	-0.63
VSX1 992722 | \	-0.069	-0.016	0.951	-0.46	0.125	1.178	0.962	0.714	0.47	-0.113	-0.169	-0.497	0.009	0.035	0.288	0.711	0.658	0.12	1.097	0.297	0.188	0.312	-0.145	0.168	-0.394	-0.056	-0.31	-0.222	-0.583
WARP 883039 | \	-0.336	0.321	-0.707	-0.224	-1.124	-0.298	-0.001	-0.329	-0.637	-0.676	-0.268	-0.45	0.035	0.288	-0.382	0.658	-0.387	0.028	-0.002	-0.439	-0.105	0.356	-0.539	0.243	-0.092	0.16	0.216	-0.078
WDR28 881481 | \	-0.3385	-0.6025	-1.4515	-0.8425	0.0675	0.2665	-0.2165	-0.4165	0.5415	-0.9115	0.4225	0.8415	-1.0615	-1.6525	-0.2695	-0.6525	-1.3945	-0.3685	-0.5485	-0.2065	1.4595	-0.3435	0.1615	0.3145	-0.0615	-0.7605	-0.5845	-0.5415
WDR6 893627 | \	-0.828	0.288	-0.796	-0.446	-0.793	-0.117	-0.769	-0.812	0.229	0.019	-1.316	-0.108	-0.917	1.38	-0.378	-0.462	0.337	-0.543	-0.517	0.378	-0.279	-0.416	-0.274	0.003	0.179	0.277	-0.197	1.153
WHSC1L1 885912 | \	-0.009	0.579	-0.01	0.653	0.161	-0.489	-0.259	0.051	-0.419	-0.469	0.171	0.205	-0.199	-0.389	0.661	-0.209	-0.309	0.021	0.071	1.341	0.491	0.178	-0.209	1.671	4.401	2.45	1.001	0.124
WNT3 889424 | \	0.7475	0.0065	0.3825	0.8565	0.6375	1.0415	0.8395	0.8165	0.3845	1.1625	0.5765	0.3795	0.4685	-0.1715	-0.6045	0.1655	0.2505	0.0815	0.2425	-0.1705	-0.5525	-0.5065	0.2385	0.0155	0.1965	-0.4595	-0.6965	-0.2015
WNT6 763326 | \	-0.3525	0.4705	0.4195	-1.0945	-0.6965	-0.5445	-0.1975	-0.7035	-1.0865	-0.2975	0.5015	-0.0285	0.4115	-0.8465	-0.5535	0.1125	-0.9035	-0.2555	-0.1685	1.0325	0.8195	0.5725	-0.4615	-0.4065	0.6275	-2.1105	-1.3525
WSB2 883380 | \	0.7385	0.4465	0.2555	0.4875	0.3585	0.2485	-0.1255	0.5845	-0.4445	0.0325	-0.1955	0.3805	-0.7775	-0.1635	-0.3485	0.2155	0.0015	0.3125	0.0315	0.2825	0.1025	-0.0245	-0.3345	0.3745	0.7735	0.5545	-0.1765	-0.0825
WWP1 885545 | \	-0.5165	-0.8005	0.3165	0.4845	-1.9045	-0.7945	0.3015	-0.2845	0.8025	-0.7555	-0.8445	0.1865	1.1335	-1.2395	-0.3735	-0.0105	-2.3495	-0.1185	0.7485	-1.2275	-0.5495	0.8055	-1.1965	-3.2165	-3.2035	-2.8515	-3.8735	-3.9365
WWP2 891467 | \	-1.03	-0.462	2.811	0.796	-0.887	1.129	0.606	-0.268	-0.976	1.01	1.293	1.531	0.15	0.881	0.137	0.52	0.242	1.283	0.559	0.418	-0.755	0.216	0.665	0.808	1.428	1.489	0.118	0.241
XBP1 889595 | \	-0.258	0.345	0.131	-0.125	-0.592	0.676	0.874	-0.19	-0.476	1.694	1.215	0.57	1.457	0.365	-0.004	0.749	1.381	0.964	-0.468	1.122	-0.216	0.665	0.808	1.428	1.489	0.118	0.241	
XYLT2 892339 | \	0.4975	-0.5235	-0.1185	-0.2065	0.2895	-0.0045	-0.3415	0.6765	0.6755	0.3015	0.6305	0.6985	-0.1345	0.1625	0.3735	0.2195	0.4305	0.2035	0.1635	0.6805	-0.2875	0.1775	0.3875	0.0045	-0.0165	-0.0355	0.2055	0.3945
YBX2 890818 | \	-0.088	0.121	0.708	-0.344	-0.475	-0.724	-0.592	0.291	-0.017	-0.078	0.148	0.159	-0.546	-0.615	0.223	0.724	0.638	0.617	0.234	0.006	-0.206	-0.32	0	-0.696	-0.696	-0.925	-1.23	-0.297
YIF1 887006 | \	0.5565	1.0905	-0.0135	0.4855	-0.7425	-0.1765	0.0115	0.2095	0.9275	0.2295	-0.9335	-0.6505	-0.6535	0.6655	-1.2515	-0.7975	-0.0895	-0.7745	-0.7505	-1.1165	-0.5635	-0.7625	-0.3885	-0.2885	0.0075	-0.6095	-0.1055	0.9265
ZA20D3 884225 | \	-0.4635	-0.3535	-0.4395	0.0485	-0.4625	-0.3815	-0.9215	0.1285	0.1815	0.6795	0.0785	0.4105	-0.6735	-1.0235	-0.9485	-0.3115	-0.7075	-0.6065	-0.9385	0.4025	-0.1585	-0.7585	0.8885	-0.7895	-1.6515	-0.0825	-0.7965	-1.7365	-1.2845
ZAP128 897114 | \	0.1485	0.1405	-0.3885	-0.1845	-0.6555	-0.0185	-0.5275	-0.1665	-0.5475	-0.1755	-0.7105	-0.3775	-0.8705	-0.6795	-0.1655	-0.7745	-0.7505	-1.1165	-0.5635	-0.7625	-0.3885	-0.2885	0.0075	-0.6095	-0.0595	0.1055	0.4215	0.9265
ZBED3 894304 | \	0.214	-0.128	-0.708	0.496	0.627	0.459	0.761	0.144	0.768	-0.331	-0.148	0.065	1.658	0.328	-0.141	0.101	-0.967	-0.824	0.219	0.42	1.128	0.142	0.28	1.025	0.75	0.943	0.632	0.694
ZBTB4 892879 | \	0.747	0.184	0.182	0.958	0.477	0.713	1.22	0.509	0.93	0.56	0.236	0.567	0.077	1.424	1.206	0.468	-0.241	-0.118	0.494	0.172	-0.012	-0.288	-1.029	-0.125	-0.12	-0.746	0.802	-0.258
ZCWCC1 894671 | \	-0.6385	0.4625	-0.4335	-0.2235	0.1705	1.502	-0.42	0.353	-1.053	-0.204	0.64	-0.011	0.032	-1.953	1.276	0.062	-0.384	-0.928	-1.533	0.285	0.388	0.991	0.702	1.713	-1.256	0.287	0.609	0.368
ZCWCC2 889693 | \	1.415	-0.745	-0.481	1.276	-0.879	-0.325	-0.214	-0.308	0.192	-0.114	-0.443	0.027	0.076	-0.672	-0.717	0.513	0	-0.088	-0.214	-0.097	-0.253	0.07	-0.08	0.147	2.241	-0.173	-0.425	0.534
ZDHHC13 882887 | \	0.5705	0.9855	-1.5925	-0.9735	-1.0535	0.2045	0.0845	1.1345	0.2445	-0.8725	-0.4335	-1.4605	-0.8365	-1.2285	-0.0425	0.2485	0.0005	-0.8155	0.1475	0.0925	0.7955	-0.0005	-0.3165	-1.4015	0.0685	-0.2755	-2.2155	-1.5205
ZDHHC14 890617 | \	0.0435	0.5075	-0.1275	0.6995	0.3595	-0.0145	0.0815	0.3885	0.6605	0.1895	-0.3595	-0.8965	-0.0205	-0.6025	-0.5145	-0.1655	0.2085	0.2115	0.4515	-0.4035	-0.4075	-0.0745	-0.6065	-0.6105	-0.3065	-0.4575	-0.6425	-1.7625
ZFHX4 894157 | \	-0.0035	-0.5395	-0.5935	-0.0015	0.4275	0.2125	0.7665	0.2875	-0.1225	-0.4405	-0.1305	0.3115	-0.4105	-0.8965	-1.0845	0.5245	-0.4525	0.5195	0.6125	0.3745	0.3805	0.3635	0.4135	0.1905	0.7415	
ZFYVE21 896639 | \	-0.016	-0.236	1.187	0.054	-0.213	-0.225	-0.898	-0.673	-0.16	-0.007	-0.088	0.854	0.265	-0.321	0.203	-0.306	-1.433	-0.263	-0.749	-1.595	-0.599	0.014	0.476	0.38	-1.122	-1.621	0.068	0.508
ZNF133 889721 | \	-0.117	-0.91	-0.009	0.108	0.759	0.144	-0.853	0.089	0.696	-0.859	-0.477	0.326	-0.309	-1.499	-0.578	-0.334	-0.966	0.009	-0.432	-0.711	-0.016	-0.819	0.694	-0.039	0.169	1.184	-1.87	0.44
ZNF165 885726 | \	-0.3125	-0.3375	-1.1075	-0.1485	-0.3775	0.3885	0.3525	0.0165	-0.5485	-0.7275	-0.2215	-0.3195	0.3285	0.6195	-0.2855	-0.1115	-0.5455	0.1195	-0.3205	-0.3795	-0.0225	0.0275	-0.1745	0.6435	0.9035	-0.2705	-0.425	0.6825
ZNF24 883142 | \	-0.419	0.238	-0.745	-0.481	-0.879	-0.325	-0.214	-0.308	0.192	-0.114	-0.443	0.027	0.076	-0.672	-0.717	0.513	0	-0.088	-0.214	-0.097	-0.253	0.07	-0.08	0.147	2.241	-0.173	-0.425	0.534
ZNF318 882803 | \	-0.0015	-0.1585	0.3105	0.2325	-0.1085	0.0145	0.6915	0.1145	0.0985	0.2335	-0.2105	-0.3025	0.7355	0.3915	0.0515	0.1435	0.1805	1.2235	-0.3715	-0.0945	-0.0235	0.5425	0.2085	0.1005	-0.3065	0.0015	0.2575	-0.0675
ZNF364 890750 | \	-0.7655	0.9575	0.4525	-1.3455	0.2965	-1.0205	-1.3275	-0.2775	0.6885	-1.6815	0.1265	0.8185	-1.6595	-2.2305	0.6225	-0.0395	-0.3685	0.2455	-0.5715	-0.7595	0.1685	-0.3535	-0.0175	0.1465	0.3665	1.8635	0.3215	0.2055
ZNF432 886994 | \	-0.4275	0.1545	-0.0165	0.6615	0.9525	0.5365	0.9715	0.6705	0.1205	0.2115	0.8185	0.9685	0.9745	0.3875	0.3755	0.0205	0.4485	-0.3125	-0.8925	-0.3395	0.2565	0.1785	0.1115	-0.9995	-0.9295	0.2775	-1.3635	
ZNF462 882655 | \	-1.456	-0.396	0.616	-1.092	1.211	0.119	0.591	-0.694	-0.781	-0.65	-0.43	-0.669	-0.198	-0.458	0.471	0.381	-0.667	-0.766	0.243	-1.146	0.276	0.306	-0.515	-0.826	-2.407	-0.948	-0.69	-1.557
ZNF505 897563 | \	0.35	-0.228	0.876	0.954	-0.453	0.594	0.528	0.285	-0.205	-0.801	-0.139	-0.012	1.402	-0.625	-0.799	-0.183	-1.004	1.374	0.264	-1.071	0.533	1.435	0.056	-0.586	-0.354	1.092	0.123	-0.547
ZNF552 881605 | \	0.1655	-0.0465	0.0005	-0.4765	-0.0235	0.2665	-0.0065	-0.2525	0.1495	0.0075	-0.7665	-1.7185	0.3215	-0.0995	-1.0975	-0.4255	-1.0355	-0.8215	-0.3295	-0.2415	0.8555	0.0025	-0.2665	-0.0295	-1.1305	-0.2325	0.1715	-0.5965
ZNF577 896450 | \	0.2716	0.5475	0.2605	-0.2065	0.3545	0.1785	0.6705	0.2755	0.7535	0.8255	0.1185	-0.0075	0.2595	0.4545	-0.0525	0.1325	0.0295	-0.6895	0.0065	-0.2545	0.1535	0.9975	0.5845	0.2645	0.2565	-0.0215	0.6845	0.7715
ZNF587 895297 | \	-0.3165	-0.3925	-1.1345	-0.1845	-2.1765	-0.0585	1.0825	-0.1965	-0.2425	-0.3275	-1.1735	-1.3495	-0.5925	1.2225	-0.6175	-0.4285	-0.7925	-0.4445	-0.6675	-0.1465	-0.0585	-0.0965	0.0225	0.1615	0.2275	0.0685	0.0625	0.2755
ZNF598 889658 | \	-0.2445	-0.0225	0.0615	-0.0135	0.6625	0.7455	0.6955	-0.1055	-0.5475	-0.7885	-0.2385	-0.3465	0.5845	-0.5805	-0.2195	-0.5385	-0.2365	-0.1165	-0.2745	-0.4295	-0.2045	-0.2425	0.1615	0.2275	0.0685	-0.3095	-0.4545	-0.3065
ZNF599 897183 | \	-0.278	0.514	0.548	0.092	-0.21	-0.019	0.84	-0.108	0.183	-0.226	0.334	0.083	1.395	-0.048	-0.134	-0.247	0.045	0.861	-0.274	-0.729	-0.128	0.524	0.194	0.239	-0.217	-0.206	0.535	0.36
ZNF606 883901 | \	-0.525	0.535	0.543	-0.605	-0.351	-0.251	0.231	0.081	0.117	0.064	-0.289	-0.538	-1.469	-0.74	-0.679	0.122	0.131	-0.34	-0.129	-0.298	0.3	0.046	-0.798	0.116	-0.131	0.572	0.345	-0.189
ZNF614 883556 | \	-0.189	0.734	-1.056	-0.771	-0.553	0.535	-0.37	0.992	-0.709	0.218	1.25	1.385	0.884	-0.503	-0.652	0.063	-0.294	-0.463	0.227	-0.525	1.017	0.209	-0.049	-0.148	1.021	0.359	0.157	0.444
ZNF639 896004 || ZNF639 || Zinc finger protein 639 || Hs.22879 || AF003924 || || 51193 || || NM_016331 || || ||
ZNF7 884715 || ZNF7 || Zinc finger protein 7 (KOX 4, clone HF.16) || Hs.493218 || NM_003416 || || 7553 || ENSG00000147789 || ENST00000333208||ENST00000328072||ENST00000325949||ENST00000325241||ENST00000278614 || NM_003416 || || chr8:146073063-146073122 || 8q24.3 ||

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-7055 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-7038 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-7032 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-0267 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-1.8965	-0.9655	-1.4435	-2.3565	-2.4525	-1.2615	-1.9695	-2.0575	-0.6875	-1.9335	-1.5675	-1.5275	-1.3645	-2.4355	-1.0895	-1.3565	-1.4885	-1.3575	-0.8005	-1.1895	-1.3045	-1.8075	-1.0205	-0.2155	-0.0145	-0.6165	-0.5255	-0.5355	0.2885	-1.3795
0.797	-0.4	-0.422	-1.038	-0.542	-0.363	0.065	-0.237	-0.174	0.733	-0.15	-1.019	-0.392	0.05	-0.417	-0.945	-0.277	0.43	-0.322	-0.139	0.734	0.127	0.012	-0.379	-0.446	-0.04	-0.126	-1.059	-0.341	-0.123
-3.036	-2.734	-2.543	-1.699	-0.84	-1.085	-2.738	-2.839	-3.124	-2.757	-2.665	-0.006	-2.582	-2.707	-2.339	-3.12	-2.399	-2.69	-2.511	-3.06	-1.916	-3.076	-1.792	-0.457	-2.188	-0.477	-0.013	-0.147	0.725	-2.382
-1.5855	-1.0335	-0.5875	-1.0025	-1.5375	-0.7935	0.8795	0.2485	0.4235	0.6635	-1.2175	-0.2435	-0.3305	-0.1695	-0.4875	-1.7285	-0.5785	0.1315	-0.0085	-0.5535	-0.5155	-0.5955	0.2645	-0.2975	-0.9125	0.3585	-1.0295	-0.0645	-0.6615	-0.2705
-2.9565	0.9575	-1.2385	-0.4085	-0.6745	0.1765	-1.3455	-0.2085	-0.7505	-0.4955	0.8475	0.6415	-1.0645	-1.9055	0.4235	0.0115	-0.4435	-0.7085	-0.8985	-0.2145	0.3775	-1.3355	0.9595	-0.5265	-0.4315	0.0265	-0.2415	0.4215	0.2305	-0.3215
-0.949	0.163	-0.253	0.495	0.555	1.353	0.883	0.45	-0.679	-0.756	-1.259	0.94	-0.308	1.143	0.318	-0.272	-0.624	0.073	-0.31	0.463	0.41	0.306	-1.761	0.339	0.151	-0.467	0.431	-0.951	0.313	0.835
0.9805	-0.1455	0.9825	1.0945	0.1845	1.4875	1.7475	1.0815	1.1465	-0.0565	0.3615	0.3245	0.8825	0.9565	0.5935	0.5955	0.1105	-0.4035	1.2695	0.9535	-0.1645	0.5125	0.7135	-0.1395	-0.4175	-0.3735	1.1545	-0.3955	-0.3115	-0.4735
-2.976	-1.541	-2.865	-1.585	-1.673	-0.91	-1.392	-1.898	-0.647	-1.81	-3.656	-0.135	-1.286	-1.029	-1.506	-2.204	-0.518	-2.856	-0.378	-1.478	-1.532	-2.135	-0.626	0.251	0.309	0.167	0.7	-0.123	-0.826	0.077
-0.1735	-1.1675	-0.9475	-0.9335	-0.2865	0.3595	-0.4985	0.0835	-0.6635	-0.5525	-1.6555	-0.3835	-1.7355	0.8525	-0.9035	0.1375	-0.3945	-0.6265	-1.0525	0.2165	-0.5875	-0.9495	-0.6325	-0.8765	-0.6995	-0.3165	0.1335	-1.4245	0.2055	0.0795
-1.1685	0.3675	0.8685	-0.4555	-0.4085	-0.3035	0.1095	-0.0985	-0.7015	1.3935	2.3955	1.3285	0.1255	0.4955	-1.5305	-0.5945	-0.0095	0.5225	0.0405	-0.5335	-0.6515	-0.4195	-1.9295	-0.8275	-0.2645	-1.4055	-1.0445	-0.2365	-0.1015	0.2295
1.3545	0.6775	-1.0285	-0.4965	-0.5415	0.5475	4.0185	3.5405	4.0395	3.6945	-1.0415	0.1765	4.0685	0.4785	-0.8085	2.9485	1.2735	-0.9205	-0.2355	3.8365	5.1815	2.4595	-0.3835	2.7155	-0.6975	-0.7415	3.3165	-0.2185	-0.0405	0.3175
0.797	-0.738	-0.259	-0.647	-0.06	0.239	0.114	0.904	-0.185	-0.044	0.176	-0.264	0.009	-0.819	-1.188	-1.195	0.067	0.31	0.168	0.813	0.627	-0.022	0.037	0.8	0.899	1.265	-0.422	-1.532	-0.015	-0.158
-0.0695	0.1545	0.0355	0.0185	-0.0265	-0.1085	-0.0395	-0.0115	0.4775	0.2815	-0.0195	-0.2605	0.2545	-0.0185	-0.1385	-0.1955	0.1585	0.5465	0.0495	-0.2195	0.0085	-0.0385	0.2035	0.1485	0.3345	0.2785	0.3025	0.7045	-0.1025	0.1045
0.5115	2.3245	1.7235	2.6995	0.8465	0.6785	0.1115	0.0235	0.7465	-0.2535	1.4545	1.7975	0.7705	1.8425	0.9055	0.5235	1.9045	4.3735	2.1515	3.2255	0.8185	1.2805	3.3295	-0.9685	-0.6725	1.4685	-1.2775	-1.2035	-1.5645	-1.3635
1.278	2.628	2.927	-0.886	1.951	2.24	-1.291	-0.631	0.662	0.352	0.896	2.768	1.941	1.563	0.29	0.752	0.387	3.308	-0.632	-0.283	2.04	-0.538	0.638	-0.075	-1.076	1.301	1.703	0.018	0.162	-0.109
-0.8515	1.3295	1.2705	-0.9085	0.1035	0.1015	0.3085	-1.6475	-0.1425	-0.0925	0.2485	1.3155	-0.3565	0.9685	0.9715	-1.0205	-0.8515	0.0775	-0.0055	-0.6655	-0.0835	-0.6835	0.8255	-0.7335	-1.4065	-1.4995	0.2365	-0.6875	-0.4365	0.2065
-1.4485	-0.1215	-1.3395	0.0095	-1.0845	0.1845	-1.2235	-1.5775	-0.4605	-0.1695	0.0515	-1.4085	0.7715	-0.9025	-1.0955	-1.6095	-1.2775	-1.8215	-0.6325	-0.9235	-0.1645	-1.2585	0.5155	1.6215	1.1025	0.3845	0.0495	-0.1115	-0.2635	1.1505
-4.7155	-3.8685	-4.5535	-4.0485	-4.1255	-1.1975	-5.4485	-4.6045	-4.4815	-4.9925	-5.1445	-4.6345	-4.7085	-3.5505	-4.2445	-3.9625	-4.3655	-5.2995	-3.5905	-4.1685	-4.8395	-3.9575	-3.9135	-1.0535	-2.9375	0.9995	-1.3895	-1.6925	-0.6045	-2.8255
-0.1615	-0.3905	0.7145	0.7515	2.3285	-0.3685	1.0445	-1.4435	-0.9655	-0.6125	-1.5715	4.8145	1.9565	2.3615	-1.3375	-1.3425	0.0185	-1.4765	-0.1685	-0.8495	0.5765	-1.3755	-0.5975	1.4725	0.2825	0.4615	0.4535	0.1065	-0.1025	0.6335
-0.1545	0.4685	0.1145	0.1655	-0.2925	-0.0895	-0.3605	-0.3025	0.3185	-0.2275	-0.2885	-0.4955	0.0275	-0.1535	0.0105	-0.0105	-0.1265	-0.5935	-0.3115	0.0275	-0.1275	-0.4225	-0.2835	0.5435	0.3215	0.4015	0.7945	0.4285	-0.3225	0.3775
-0.101	-0.559	0.259	-0.637	-0.24	-0.274	-0.506	-0.019	-0.551	-0.39	0.002	0.192	-0.183	-0.133	0.131	-0.356	0.308	0.138	0.13	-0.365	-0.321	-1.214	-0.13	0.187	-0.291	-0.008	-0.231	-0.032	-0.013	-0.169
0.341	0.002	0.097	0.436	-2.043	-0.014	-0.325	0.128	-0.8	-0.794	-0.725	-0.111	1.023	-2.13	-0.006	-1.628	-1.152	-2.445	-0.628	1.8	-0.414	0.967	-0.541	0.729	1.239	0.328	0.32	0.117	-0.274	0.936
0.857	-1.83	-0.628	0.503	-0.303	0.002	0.441	0.696	0.068	-0.73	-0.677	-0.244	0.604	0.413	-1.309	-0.108	0.251	0.621	0.448	-0.009	-0.477	-0.147	-0.699	0.862	1.021	0.426	-1.297	-0.093	-0.427	-0.381
0.309	-0.934	0.869	0.847	-2.299	0.902	1.691	-0.01	0.858	0.587	1.837	1.045	0.921	-0.363	-1.006	-1.598	-0.069	0.366	0.25	0.144	1.377	2.168	-0.228	-0.554	0.01	0.262	-0.808	-0.011	-0.358	0.067
0.7635	-0.0555	-0.6475	0.4415	0.8635	0.5375	0.1215	-0.2005	-1.0395	-0.1625	0.6815	-0.3445	0.1765	0.6835	-0.1145	0.3465	-0.0745	0.7515	0.0435	-0.0245	0.3025	0.8085	0.0215	-0.2835	-0.3515	-0.3065	0.3135	-0.5745	0.0225	-0.3965
0.4295	0.6385	0.2795	1.2785	-0.6025	-0.0525	0.1535	-0.7525	-0.1695	-0.4955	0.0495	0.2255	0.6735	0.7435	-0.3245	-0.7265	1.1855	1.3595	0.7955	0.6035	0.2685	0.1565	-0.1595	-0.2565	-0.1965	-0.7685	-0.1755	-1.2335	-0.1225	-0.1805
-0.2285	3.5125	-2.1505	0.2185	-0.1775	1.0515	1.3725	-0.6135	-0.1975	-1.4495	-2.4125	-1.5435	-0.5555	-1.5535	0.6415	-1.8075	-1.6645	-2.0895	0.3225	0.1705	-1.8525	0.4095	-0.9205	2.6455	2.5305	3.4245	2.4655	2.8245	1.6935	1.9515
-1.533	0.604	-0.058	0.442	0.574	0.134	0.859	-0.198	-0.412	0.528	0.996	-0.223	-0.065	0.071	0.804	0.472	0.014	0.364	0.009	0.245	0.794	0.444	-0.829	-0.477	-0.188	0.241	0.348	-0.02	0.668	0.53
-0.454	-0.838	0.158	0.001	-0.32	-0.304	-0.26	-0.257	0.03	-0.321	0.115	-0.101	-0.02	-0.127	-0.249	-0.993	0.59	0.234	-0.12	-0.217	-0.435	-1.031	0.316	-0.585	-0.647	0.237	0.243	-0.85	-0.047	-0.374
-0.1975	0.1415	-0.0495	0.6605	-0.0715	0.2975	-1.1745	-0.9095	-0.5755	-0.7505	-0.5625	-0.8795	-0.0465	-0.1245	-0.8245	-0.4035	-0.6295	0.0655	-0.8765	-0.2755	-0.9115	-1.1555	-0.4675	-0.6045	-0.5825	0.0955	0.3185	-1.1835	-0.0535	-0.3045
-0.94	0.312	0.802	0.253	-0.863	0.678	0.151	-0.012	-0.317	-0.567	0.526	1.179	-0.009	0.793	0.582	0.516	0.488	0.038	0.34	0.273	-0.157	-0.628	-0.521	-0.434	-0.187	-0.444	0.442	-0.545	-0.065	-0.094
0.4725	0.4495	-0.6005	0.7425	0.7665	0.3395	0.3765	-0.1215	-0.1885	0.2485	0.1085	-0.2405	0.5885	1.0025	-0.1005	-0.0435	-0.2135	-0.4225	-0.5205	-0.0795	0.6245	0.4045	-0.4695	-0.4735	-0.9015	-0.4135	0.2915	-0.1745	-0.9835	-0.4265
1.4785	-2.0735	-0.7905	-0.9665	-1.7765	0.3645	-2.1335	-0.3915	-0.6155	-0.3045	-1.0325	0.1275	0.4835	0.3495	0.4345	-0.5255	-0.1845	-0.9245	-0.8815	-0.0005	-0.2115	-2.0775	-1.2655	0.2515	0.4315	0.2515	0.7225	-0.7555	-1.1825	0.0005
0.3245	0.7065	0.4645	0.1765	0.4805	0.2645	0.2875	0.6455	1.0415	0.2045	0.7255	0.3225	0.2875	0.3455	0.7205	0.0565	0.0745	0.7195	0.3455	-0.2495	-0.1775	-0.4935	0.2925	0.1775	0.2665	0.3795	0.3265	-0.2715	0.0165	-0.1715
0.478	-0.003	0.26	-0.164	-0.309	0.082	0.204	-0.083	0.131	0.228	-0.05	-0.034	-0.283	0.849	0.356	-0.391	0.129	-0.455	-0.148	0.098	1.036	0.845	0.294	-0.642	-0.97	-0.304	-0.116	-1.168	-0.698	-0.846
-1.03	-1.307	1.566	0.573	-0.51	-0.693	-0.34	0.377	-1.474	-1.154	1.709	0.121	-0.227	-0.766	1.365	0.194	-0.154	2.894	0.463	0.103	2.044	-0.096	0.823	-1.975	-1.343	-1.039	-1.779	-1.491	-0.831	-1.581
0.247	0.759	1.159	-0.07	1.892	1.009	0.457	1.33	0.827	0.838	0.333	0.227	0.81	-0.942	0.765	0.853	0.406	0.83	0.265	0.438	0.79	2.728	0.155	-0.66	-0.607	-0.889	-0.032	-0.817	-0.504	-0.198
0.678	0.783	1.387	0.65	1.547	1.138	2.281	1.599	0.795	1.174	1.227	1.828	1.408	0.974	-0.321	0.593	0.596	1.554	2.935	0.48	1.668	2.53	0.449	-1.324	-1.246	-0.412	-1.391	-1.543	-0.659	-0.708
-0.432	-0.001	-0.011	-0.58	-0.753	0.295	-0.259	-0.259	-0.591	0.26	0.679	0.579	-0.038	-0.586	0.002	-0.36	0.23	0.541	0.697	-0.315	-0.475	-0.306	-0.49	-0.18	0.093	0.094	-0.171	-0.148	0.175	0.141
1.646	0.999	1.277	1.175	-2.267	0.228	2.549	2.152	1.671	1.983	-0.375	3.028	2.329	0.812	1.173	0.294	0.839	0.968	1.227	1.191	1.237	0.933	-3.202	0.991	1.339	0.674	0.141	0.014	0.789	1.19
-1.306	-1.083	-2.222	-1.231	-0.783	-0.329	0.218	-0.426	-0.783	-0.942	-1.405	-0.171	-0.595	-0.846	-1.071	-1.322	0.001	-1.239	-0.898	-0.533	-0.805	-0.451	-1.329	-0.214	-0.612	-0.67	-0.786	-0.39	-0.306	0.012
1.5885	1.5765	4.5425	4.1845	3.2865	0.2815	1.9705	2.0395	1.8625	-0.0625	0.1895	4.5735	3.1225	-0.0605	-0.9485	4.9385	2.9005	3.0975	1.0545	3.2525	1.5915	1.9755	2.4475	-0.8605	-0.9865	0.7265	1.2715	-1.5615	-1.4815	-1.8545
2.2825	1.7775	3.4595	3.7975	-0.3905	3.0695	3.6885	-0.6705	1.6805	1.9915	2.7405	1.4625	0.1025	-0.1955	-1.0725	1.7655	1.4425	-0.6815	2.7555	3.0585	3.2885	1.6625	1.8195	0.3135	1.0515	-0.3725	2.6255	0.5835	1.6565	3.1095
-5.457	-4.219	-5.412	-2.521	-0.309	-1.51	-4.141	-4.363	-3.108	-3.45	-2.137	-4.062	-3.378	-4.694	-3.78	-5.19	-4.538	-4.815	-2.543	-4.003	-4.243	-5.067	-4.089	-1.002	-1.392	-1.365	-1.768	-1.427	-0.865	-1.899
-0.982	0.142	-1.463	-0.72	1.238	-0.943	-1.384	-2.149	-1.239	3.144	1.738	-2.228	-1.818	-1.193	-1.06	-2.915	-1.733	-3.26	0.333	-2.986	-1.522	-1.355	-1.906	2.521	-0.15	2.188	2.614	1.956	3.784	-0.417
0.1525	0.3545	0.3895	-0.2775	0.0955	0.2865	0.3555	0.4415	0.1585	-0.3155	0.1725	1.4315	0.2575	1.1445	0.4125	0.3975	-0.2905	0.5495	-0.0725	-0.0025	0.6025	0.2585	-0.4705	-0.7525	-0.9285	-0.8655	-0.8745	-1.5555	-1.0695	-0.9355
-1.21	-0.971	-0.285	0.467	-0.563	-0.384	-0.676	0.541	-0.325	-0.881	-0.231	0.976	0.559	-0.964	-0.209	-1.24	0.308	0.611	0.253	0.736	-0.61	-0.059	-0.446	-0.415	-0.292	-0.065	-0.601	0.113	-0.44	0.118
0.2335	-0.7715	-0.2305	-0.0635	-0.1225	0.6965	-0.2675	0.5215	0.4035	0.0385	0.3955	-0.0935	0.0125	1.0175	0.3385	0.8245	0.7955	0.1665	-0.1755	-0.0645	0.5675	1.1695	0.3605	-0.7245	-0.6005	-0.5425	-0.5375	-1.9845	-0.9425	-0.8135
1.189	0.897	0.158	0.257	0.543	0.068	1.512	1.328	1.231	0.893	2.355	2.119	0.89	1.474	1.337	1.297	0.419	0.926	0.637	0.527	0.559	0.828	1.251	0.184	0.839	0.138	-0.213	0.065	0.994	0.871
-0.0435	-0.4645	-1.1695	-0.3545	0.2655	0.3025	0.3325	-0.0875	0.8245	0.2905	0.4295	-0.0955	-0.1125	-0.3205	0.4355	0.5405	-0.8745	-0.6015	0.3085	-0.7005	-0.0665	-0.3405	-1.1915	-0.1735	-0.1645	-0.2585	-0.0005	-1.3495	-0.2965	-0.2405
0.005	-2.515	-0.221	-3.235	-2.897	-1.388	-0.155	-0.533	-1.28	-0.479	0.907	0.194	-0.147	-1.682	0.398	1.702	-0.366	2.153	-1.058	-0.163	-1.165	-0.509	0.939	-2.188	-0.909	1.171	-0.272	-0.881	-0.443	-1.695
-0.042	-2.505	-0.339	-3.539	-3.033	-1.594	-0.043	-0.589	-0.941	-0.277	0.74	0.275	-0.188	-2.257	0.367	1.736	-0.44	2.053	-1.108	-0.413	-1.184	-0.493	0.876	-1.864	-1.024	1.162	-0.223	-0.494	-0.422	-1.987
1.594	2.412	0.369	0.641	1.007	2.118	2.115	1.002	1.998	3.485	2.385	2.523	1.511	4.189	3.873	1.214	-1.141	1.316	1.304	0.312	1.998	2.143	1.967	0.164	0.303	-0.178	1.338	-1.011	0.826	1.105
0.7665	0.8225	0.1675	0.4535	-0.9655	0.3055	0.0675	-0.0355	0.0335	-0.8435	0.2505	0.1425	0.8575	0.5185	0.2985	-0.0925	1.3595	0.6195	0.0575	0.8035	0.1775	0.2165	0.8435	0.2635	0.0815	0.8885	-0.8855	-0.9375	-0.4045	-0.1615
-0.2285	0.0525	-0.1175	1.1705	0.5585	0.1365	-0.4725	-0.2525	0.1325	-0.2305	-0.1125	1.4225	0.4715	0.5335	0.6135	0.4995	0.5605	-0.0825	0.1465	0.1395	0.4205	1.4705	-0.3155	-0.0465	-0.4505	-0.2365	0.0275	-0.6785	-0.8455	-0.8095
-0.392	1.067	2.334	0.627	0.238	0.688	1.197	-0.125	0.215	-0.821	-1.025	1.437	0.76	1.769	1.401	0.708	-0.17	2.197	0.928	-0.016	-0.698	-0.16	1.697	0.6	0.459	0.159	0.75	-0.019	0.155	0.106
1.3765	-0.0875	0.8055	1.1435	1.0155	0.9295	1.9625	0.2925	-0.4585	0.4005	2.0755	1.9745	1.2275	0.8965	0.6555	0.7815	1.3195	1.3025	0.7945	1.4555	1.0085	1.3605	0.4945	-0.5925	-0.6645	-0.9605	-0.6005	-1.5915	-0.5805	-0.6915
0.057	-1.19	0.712	-0.659	-0.604	-0.224	-0.048	0.559	-0.395	0.037	0.229	-0.104	-0.5	-0.023	0.217	0.991	-0.14	0.733	1.417	0.169	0.4	0.251	0.477	0.234	0.224	0.009	0.054	-0.543	0.133	-0.102
0.9305	0.8075	1.0745	1.6275	1.3755	0.5825	1.8125	1.1405	0.3725	0.2005	0.4945	1.3455	0.6025	0.8825	0.8125	1.3525	2.5925	1.9875	1.1105	0.4525	-0.0085	1.0625	0.0355	-1.4065	-1.1735	-0.9025	-1.4775	-1.5475	-0.5415	-1.0075
0.949	-0.21	1.529	1.544	1.691	1.215	1.804	2.111	1.199	1.917	2.003	1.538	1.015	1.491	1.604	1.987	1.152	1.393	0.727	0.738	1.854	3.391	1.444	-1.39	-2.013	0.2	-1.574	-1.073	-0.984	-1.483
0.835	0.565	1.088	1.407	0.395	1.146	-0.161	-0.175	-0.203	0.221	-0.763	-0.016	-0.489	0.913	-1.033	-0.113	0.71	-0.44	0.354	0.072	1.262	1.545	0.536	1.123	0.455	0.427	0.565	0.665	0.606	1.119
1.7965	0.4425	1.6965	1.2995	2.3765	2.0945	1.7455	1.0795	-0.4555	0.6775	1.2165	1.4485	0.1545	0.6445	0.3545	1.1445	1.5545	2.2075	0.9625	1.2345	1.1835	3.4045	0.1615	-1.3725	-1.6495	-0.8295	-1.5955	-1.7155	-0.9305	-1.4555
0.3085	0.5185	0.7725	-0.1385	0.0515	0.6275	-0.1305	0.5855	0.5585	-0.4895	0.0215	-1.5715	-0.3455	-0.6205	2.3585	0.3875	-0.4095	0.8465	-0.2145	1.1995	0.2175	0.6085	1.9925	-0.1235	-0.3765	0.3755	-0.1255	-0.0165	-0.2885	-0.3985
-1.2075	0.4545	-1.0905	0.1655	1.0055	-0.5715	-1.1235	-0.2765	-0.4985	0.0605	0.3155	-0.3365	0.5495	1.3605	0.4485	-0.0565	0.2625	0.0005	0.7345	-0.1915	1.0945	0.5205	0.7685	-1.0135	-0.6795	0.0715	-0.9975	0.1035	-0.1985	-0.3105
0.035	-0.422	-0.053	-0.592	-0.511	0.173	-0.561	-0.61	-1.127	-0.812	0.078	-1.429	-0.937	-0.346	-0.708	0.53	0.252	0.042	-0.206	0.502	-0.434	0.629	-0.218	0.059	0.598	-0.098	-1.096	-1.058	0.238	-0.393
-0.413	0.521	-0.018	0.323	-0.225	0.25	0.621	-0.947	-0.459	-0.243	0.61	-0.325	0.041	0.509	0.565	-0.23	0.181	0.699	0.367	0.262	0.102	0.871	-0.271	-0.313	-0.334	-0.044	0.64	-0.878	0.278	0.041
0.142	0.096	-0.035	0.509	-0.31	0.594	0.431	-0.74	0.426	-0.116	0.177	-0.957	0.029	1.935	0.976	-0.099	0.011	-0.348	0.084	0.358	0.561	0.174	0.132	-0.076	-0.17	-0.197	0.422	-0.432	-0.222	-0.006
0.3095	-0.3595	-1.0415	-0.9385	-0.4695	0.0025	-0.7675	-0.6015	-0.7775	-0.4375	-0.2185	0.4315	-0.9335	-0.1125	-0.3945	-0.4105	-0.5425	-0.5125	-0.6945	-0.0235	-0.3965	-0.5095	-0.4855	-0.6665	-0.9315	-0.0735	-0.6035	-0.1445	-0.5485	-0.7945
1.832	4.476	3.819	3.556	0.754	2.069	0.381	-0.814	0.009	-0.544	0.558	1.095	-0.517	3.329	-0.773	3.035	-0.912	-1.252	0.213	0.28	1.208	2.301	3.589	-0.36	-0.601	-1.035	1.221	-0.211	0.816	1.853
-1.078	-0.617	0.671	-0.533	-0.151	0.281	1.022	1.121	-0.38	-1.199	-0.119	-0.96	0.051	0.697	-0.322	-1.197	-0.103	-0.053	-0.718	1.045	-0.258	0.781	-0.456	-0.407	0.613	0.484	0.385	0.204	0.015	0.272
-0.931	0.136	-0.482	0.401	-0.026	-0.808	-0.865	-1.061	-0.365	-0.25	-0.926	1.272	0.719	0.518	-0.065	0.241	-0.068	-0.628	-0.462	0.109	-0.233	-0.054	-1.135	-0.938	-0.144	-0.099	-0.122	-1.353	-0.586	-1.384
0.0035	-0.4635	-0.7945	0.5185	-0.9525	0.4355	-0.2365	-0.8395	-0.8035	-0.7255	-0.2345	-0.6265	0.3035	0.0915	0.3645	0.1875	-0.5465	0.1565	0.0585	-0.4945	-0.6795	0.2925	-0.7435	-0.6095	-0.6125	0.1685	-0.2495	-0.3675	-0.5175	-0.8155
-0.381	-0.416	0.352	0.199	-0.074	0.154	0.016	0.08	-0.446	-0.065	-0.489	0.243	0.297	-0.192	-0.421	0.088	0.716	0.101	0.224	0.273	-0.891	-0.38	-0.954	-0.127	0.234	0.058	0.312	-0.112	-0.013	-0.197
1.8115	1.6595	3.2365	2.4825	2.0835	1.0965	3.4445	2.0635	2.2605	2.2635	2.8365	3.6065	2.9145	1.9225	4.0565	-0.1015	1.4575	1.2005	1.9325	1.6895	2.3865	3.0975	1.3555	1.7465	0.3295	0.1205	-1.3465	-0.4425	0.9135	0.9095
1.985	-0.319	0.509	-0.16	0.003	-0.253	0.516	0.609	0.383	0.263	1.106	1.21	1.023	2.168	1.295	0.338	0.139	0.385	0.454	0.005	-0.376	-0.428	-0.14	0.211	0.25	0.478	0.128	1.001	0.741	0.002

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00084 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
2.5575	-1.0185	-0.8135	-0.5075	-0.1865	-0.4945	-0.9645	-1.0845	-0.7255	-0.4915	-0.4455	-0.6985	-0.2265	2.3105	-0.6305	-0.6245	-0.8155	-0.8105	-0.3655	0.0775	-0.3285	-0.8435	-0.9085	0.3285	0.0875	0.2405	-0.0005	0.2925	0.2875	0.0495
0.4615	-0.7295	1.0215	-0.1455	-0.2695	0.0505	0.1645	0.2935	-0.2095	0.2795	-0.2905	0.1585	-0.0015	-0.2225	0.1135	0.7935	-0.0865	0.6995	0.6765	0.0175	0.3395	0.6395	-1.1395	-0.3905	-0.1745	-0.0965	-0.3335	-0.0005	-0.2195	-0.3085
-0.5415	-1.9035	-1.0895	-1.7585	-1.7165	-1.5265	-0.5625	-0.5275	-0.6345	-1.1125	-0.5795	-1.4265	-0.4975	-1.2395	-1.0395	-1.4835	-0.9315	-0.6835	-0.7055	-1.3455	-0.9215	0.0275	-0.1665	0.9295	-0.2465	0.0275	-0.0275	1.0575	0.0685	-0.2015
2.1665	0.8745	0.9865	-0.0525	-0.1205	0.0475	1.6485	0.4335	-0.7665	0.6635	2.0295	2.8055	-0.4155	0.1145	3.6445	1.4985	-0.4725	0.0555	-0.3645	-0.9865	-0.6175	0.4485	0.0975	-1.0685	-1.7855	-0.0745	0.3925	-0.2945	0.5235	-0.0925
-1.524	-1.04	-1.15	-1.24	-1.977	-1.653	-0.963	-1.231	-1.658	-1.006	-2.445	-0.999	-0.968	-1.041	-1.332	-1.031	-0.982	-1.036	-0.631	-1.217	-1.771	-1.071	-0.325	-0.933	-0.736	0.008	-0.763	-0.648	-0.512	0.262
0.525	1.819	1.982	1.553	2.013	0.108	-0.226	-0.268	1.98	0.358	3.014	-0.256	1.386	2.282	1.521	2.889	0.51	0.361	0.396	1.691	1.429	0.068	4.085	-0.172	-0.148	-0.477	0.309	0.439	0.127	0.892
-5.687	-4.326	-5.653	-5.612	-4.163	-2.549	-4.857	-5.218	-4.352	-4.489	-4.784	-5.055	-3.991	-5.459	-4.558	-4.009	-4.51	-5.594	-3.733	-4.628	-3.53	-4.538	-3.566	-1.657	-3.301	-0.845	-2.762	-1.461	-2.269	-4.593
2.4705	0.7225	-0.1115	-1.1805	-0.5725	-0.2515	-0.6315	-0.6255	-0.3195	-0.7135	-0.0075	0.4595	-0.0135	-0.6605	-0.7275	-0.1045	-1.0055	-1.6395	0.2735	-0.8375	0.8075	-0.4215	3.9355	0.7745	1.1175	0.6735	1.2615	1.0215	0.7265	0.9345
1.319	-0.158	-1.802	-2.425	-1.349	-0.121	0.172	-0.123	0.735	-0.342	0.713	1.663	0.984	-0.778	-0.593	1.061	-0.68	-1.12	0.873	0.09	1.017	0.304	1.261	0.007	0.692	0.33	1.038	0.896	1.905	0.483
-0.1555	-0.8765	0.8135	-1.6835	-0.0235	-0.7195	-1.6265	-0.0365	-1.3755	-2.9735	-1.6605	-1.3725	0.3685	2.3365	-1.9575	-3.0895	-0.7165	-0.9525	-0.5665	0.3645	1.1715	-2.7005	-0.3955	-0.1935	-0.4355	0.3545	-1.4255	-1.4875	-1.5015	-1.9605
0.2645	1.1555	-0.2265	0.7265	-0.1085	0.2895	0.7615	-0.7165	-0.1275	0.3345	1.2305	1.4665	-0.6505	-0.4625	0.3955	0.0395	-0.1355	-1.3325	-0.2815	-1.3185	-0.0165	-0.2485	0.2205	-0.3425	-0.4635	-0.2355	0.3465	0.5315	-0.0745	0.2315
-0.885	0.583	0.039	0.308	-0.346	-0.165	-0.73	-0.67	0.605	-0.213	-0.48	-0.349	0.039	-0.343	-0.81	1.361	-0.44	-0.957	-0.81	-0.292	-0.121	-1.054	-0.255	-0.587	-0.659	-0.731	-0.052	-0.545	-0.529	-0.669
-0.659	-0.435	-0.266	0.177	-0.362	0.186	1.537	1.837	0.304	1.432	-0.589	1.874	0.718	0.163	0.99	1.004	-0.171	2.187	0.564	1.192	1.165	1.804	-0.509	0.181	0.28	0.072	-1.471	0.084	0.12	-0.144
0.98	0.208	0.921	0.741	0.913	1.506	0.92	1.729	-0.12	0.937	1.83	0.896	0.327	1.312	1.3	0.85	1.514	2.197	0.894	-0.209	1.059	2.166	1.265	-1.534	-1.664	0.658	-0.652	-1.412	-0.527	-1.658
-0.5495	-0.0365	-0.0065	0.0275	0.3585	-0.4365	0.8325	-0.2805	0.4245	0.5055	0.3725	-0.3505	0.9065	1.8945	0.8555	0.5295	0.6795	1.3855	0.4555	0.4085	0.5105	0.3005	-0.3155	0.0785	-0.2885	-0.0325	0.3025	-0.3975	0.0785	-0.4125
0.1395	0.0755	1.8705	1.1225	0.3085	1.1445	0.5935	0.2775	-0.4135	1.2115	1.4865	0.7045	-0.6255	0.0215	1.6835	-0.7425	0.5105	0.5335	0.2765	-0.7325	1.2805	0.2185	0.0375	-0.1995	0.6235	0.0645	-0.4955	-1.5205	0.1065	0.6525
-0.7435	-2.3675	-0.7735	-1.7895	-2.0255	-1.3055	-0.1145	-0.5085	-1.4285	-1.9855	-1.2825	-1.6165	-0.3655	-0.7685	-0.6585	-1.2455	-0.8085	0.8315	-0.4055	-0.2455	-0.8575	-0.9705	-0.8805	-0.0445	-0.3975	0.5165	-0.0585	-0.4395	-0.3255	-0.1685
0.934	0.288	1.606	0.999	0.951	1.149	1.515	0.092	-0.111	0.595	1.115	1.348	0.941	-0.282	1.435	0.285	0.214	2.388	0.911	0.557	0.419	2.16	1.038	-0.08	-0.364	0.096	0.774	0.163	0.124	-0.429
2.121	-1.191	1.381	-1.462	-1.156	1.434	1.438	-1.235	-0.238	-0.961	2.043	-0.648	2.735	-1.476	-0.597	4.397	4.042	-0.604	-0.034	2.559	3.413	1.655	3.202	0.672	0.56	0.605	1.306	0.98	0.538	-0.312
-0.005	1.419	0.858	0.209	0.966	1.683	1.406	0.377	-0.216	0.004	0.722	-0.229	0.202	-0.725	-0.056	-0.772	-0.129	-0.196	0.488	0.001	-0.13	0.539	-0.424	0.874	0.635	1.134	0.777	0.523	0.816	1.25
-1.251	-2.741	-0.406	0.513	0.269	0.368	-1.719	-0.075	1.368	0.381	-0.314	-0.691	0.546	0.906	0.906	0.826	0.736	-1.383	0.662	-0.494	-1.992	-1.194	0.341	-0.2	-0.478	0.436	-0.224	-0.764	0.014	-0.544
0.3855	-1.5645	1.0595	-0.1145	-0.1435	-0.1125	0.2315	0.5055	-0.3535	-0.2365	0.2265	0.3115	-0.2125	0.3945	0.9975	1.3635	0.2065	0.2485	1.2225	0.3525	0.7085	0.0095	0.1045	-0.9955	0.1225	-0.2395	0.3695	-0.5685	-0.7345	-0.4105
-0.0665	1.1235	0.6815	1.0055	0.7965	-0.0365	1.3585	0.8745	0.6935	0.8695	-0.0595	1.5385	1.0315	1.3075	0.8735	0.4195	0.0665	0.5995	-0.0285	1.0145	0.7785	0.8405	-0.3905	0.2625	-0.1825	0.9925	-0.0145	0.0855	-0.5095	0.2135
0.998	-0.894	-0.168	0.155	-0.261	0.573	-1.175	-0.868	-1.01	-0.367	0.566	-0.294	-0.155	0.605	0.095	0.105	0.02	-0.105	0.05	0.283	0.057	0.011	0.334	-1.187	-1.325	-0.311	-0.795	-0.389	-0.593	-0.925
-1.223	1.965	0.903	0.702	0.822	0.457	0.025	-0.975	-0.606	1.148	0.707	1.765	-1.409	-0.595	-0.397	-1.493	-0.928	-0.833	0.029	-1.069	-1.34	-0.491	-1.056	-1.132	-2.029	-0.197	-0.242	-1.783	0.097	-1.105
-0.809	-0.649	-1.324	-0.414	-1.123	-0.46	-0.51	-0.696	-0.676	0.038	-1.153	-0.884	-0.162	-0.559	-0.242	0.271	-0.585	-0.104	-0.108	-0.378	-1.653	-0.812	-0.672	0.023	0.217	0.304	0.562	-0.336	0.382	0.094
2.1405	-0.2005	1.6455	-0.1435	1.4565	1.1715	0.8195	0.8845	1.1095	1.6035	-0.1605	1.2405	1.5425	2.6515	2.5605	1.3585	2.6995	0.8175	1.7215	1.3375	0.8185	2.5745	0.7295	0.8725	0.8605	0.0755	0.8405	-0.5165	0.0725	-0.1235
-0.1405	-0.4975	0.2845	0.6335	-0.6515	-0.2745	0.1165	0.6485	0.8815	-0.1685	1.2485	1.5045	-0.0175	0.2025	1.9075	1.0345	0.7945	1.5515	1.7305	1.3555	0.7935	-0.4165	1.6635	-0.7845	0.0985	-0.1245	-0.1605	-0.6065	-0.1765	-0.1695
1.579	-0.095	1.506	1.38	1.448	1.294	0.751	1.153	0.903	1.048	1.486	0.96	0.873	0.728	0.253	1.58	1.671	1.368	0.97	1.316	1.566	3.067	0.913	-0.742	-1.357	-0.377	-0.962	-1.272	-0.661	-1.231
0.722	0.936	0.543	1.323	0.191	0.275	-0.52	-0.032	0.056	-0.21	-0.855	-0.223	-0.693	-0.255	-0.064	0.665	-0.185	0.398	1.038	-0.352	-0.421	0.261	-0.268	-0.913	-0.958	-0.371	-0.004	-1.114	-0.346	-0.688
0.6505	0.3285	0.7565	1.1485	0.3645	0.6895	2.2505	0.9265	0.9455	0.8135	1.2585	2.6505	1.9675	1.1405	-0.3105	1.4405	-0.3775	0.4385	0.5215	0.5965	0.1185	1.2315	-0.3355	0.1725	0.1045	-0.3975	-0.9155	0.9215	0.5045	-0.4155
-0.03	0.546	0.694	1.325	0.517	0.252	-0.033	0.771	-0.235	0.435	-0.384	0.924	0.12	0.322	0.42	1.52	0.528	-0.009	0.681	0.657	0.205	-0.736	-0.265	-0.119	-0.667	0.393	0.361	-0.254	0.046	0.208
0.347	-0.571	-1.017	0.17	-0.906	-0.426	0.068	-0.419	-0.181	-0.151	-0.484	-0.279	1.751	-0.152	-0.381	0.61	0.087	-0.42	-0.161	0.58	-0.22	0.746	0.377	0.011	-0.774	-0.932	-0.239	-1.012	-0.627	-0.948
-0.876	-0.154	-2.815	-0.644	-3.887	-0.662	-2.827	-3.826	-1.2	-1.64	-3.144	-4.364	-2.624	-0.134	-1.345	-1.188	-3.737	-4.816	-1.271	-0.901	-0.284	-2.204	-1.735	1.952	1.49	1.196	0.882	0.121	-0.516	1.684
0.2995	-0.6475	0.0085	-0.6685	1.7995	0.9435	-0.3025	0.8555	0.4545	1.2365	1.6305	1.0265	0.6335	0.7325	1.7755	1.5075	0.6215	0.8785	0.2145	1.7015	0.6075	0.5195	0.9725	0.8555	1.0095	0.4295	0.5335	-0.0455	0.5565	0.7085
0.2035	-1.3055	-0.5965	-0.9765	-0.6365	0.0145	-0.1575	-0.2495	0.3575	0.0505	0.5635	-0.9225	-0.3185	-0.6555	-0.3275	0.7965	-0.6585	-0.4455	-0.0395	0.3415	-0.4855	-0.9755	-0.3305	0.2525	0.4815	0.1485	-2.4045	-0.1005	0.0585	-0.2075
0.206	-0.349	-1.197	-0.742	-0.494	0.012	-0.195	0.626	-0.837	0.019	0.095	0.366	1.185	0.085	-0.096	-0.01	0.355	0.693	-0.374	0.989	-0.42	-0.355	0.004	0.479	0.915	-0.111	-1.545	-1.708	-1.201	-0.243
0.2405	0.5375	1.2505	0.8625	2.0235	1.4035	-0.1195	0.9765	0.8175	0.3125	0.7105	1.1555	1.4325	0.9345	1.3535	1.4885	0.8195	0.4315	-0.0025	1.6285	0.8465	0.3815	-0.1915	0.0635	-0.1835	0.2285	-0.4345	-0.2605	-0.4065	-0.6605
-0.9365	-1.2235	-1.4505	-0.9355	-0.2355	0.0165	-0.6225	-0.5135	-0.3935	-0.3145	-1.2585	-0.3955	-0.7575	-0.4985	-0.3375	-0.0395	-0.7075	-0.8345	-0.2455	-0.3625	-0.8535	-0.5955	0.1405	-0.0005	-0.2165	0.2735	0.5645	0.4245	-0.1575	0.0965
0.8845	0.2655	-0.3505	0.2245	0.2615	-0.0235	0.5235	0.7045	0.4735	0.4715	-0.1515	-0.3575	0.5405	0.1105	0.1695	0.2145	-0.3115	0.2205	-0.2395	0.2325	0.0835	0.0995	-0.0415	-0.1935	-0.4685	0.0485	0.4245	-0.7255	-0.8425	-0.5865
-0.758	1.424	1.513	0.338	0.155	0.312	-0.178	0.934	0.523	0.521	1.656	-0.18	0.622	-0.278	1.132	1.883	0.815	0.028	-0.262	1.188	1.018	-0.94	2.324	0.42	0.928	0.978	-0.184	0.978	1.308	0.067
-1.1265	-1.5775	-1.7615	-0.5925	-0.2715	-0.1245	-0.4175	-0.6065	0.3255	-0.8945	0.6785	0.3695	0.4915	-1.6255	-0.9415	-1.4715	-0.6945	-1.0495	-0.3395	-0.7035	0.1095	-0.4015	-0.0885	0.2135	0.7035	0.6785	1.0955	0.5045	0.3395	-0.0005
0.398	1.014	1.168	0.538	1.443	0.176	0.305	0.395	0.446	0.388	0.875	2.308	0.234	1.427	0.953	0.206	1.171	0.154	0.385	0.46	1.408	0.902	0.954	-1.464	-1.072	-0.896	-0.325	-0.308	-0.741	-1.153
-0.036	-1.613	0.131	-0.299	0.491	0.474	-0.279	0.008	-0.063	0.149	-0.73	-0.537	-0.895	-0.457	-0.202	-1.379	-0.805	-0.048	0.085	-0.475	-0.508	0.063	-0.434	0.231	0.123	0.748	0.676	0.599	0.637	0.401
0.279	1.081	0.982	1.182	0.804	0.7	0.6	0.651	0.933	0.196	0.426	0.596	1.222	1.256	0.699	0.627	1.21	1.099	0.504	0.839	1.02	1.8	0.493	-0.458	-0.937	0.157	0.345	-1.255	-0.981	-1.224
-1.34	-1.58	-1.47	-0.99	-1.31	-0.525	-1.01	-0.84	-0.01	-1.08	-1.98	-2.07	-0.328	-1.309	-0.181	-0.661	-0.102	-2	-0.77	-0.811	-1.72	-1.181	0.76	0.86	0.5	0.7	0.382	0.031	-0.1	0.435
-0.3555	-0.4405	-0.0985	-0.6785	-0.7905	-0.7565	-0.7875	-0.8915	-1.0605	-0.3385	-0.4755	0.4585	-0.3065	-0.4735	-0.8145	-0.3265	1.9285	-0.4825	-0.4125	-0.3775	-0.2565	-0.5275	-0.7435	1.0785	-0.4525	0.5415	-0.5625	0.6215	-0.1545	-0.5995
-0.764	0.571	-1.191	-1.068	-0.915	-0.842	0.179	1.271	0.08	0.53	1.743	-0.198	-0.399	-1.567	0.777	0.248	-0.359	0.304	-0.085	-0.035	-0.424	-0.516	-1.335	-1.251	-0.23	-0.835	-0.638	-0.348	-1.012	-0.413
0.313	-0.512	0.352	0.437	0.193	0.248	-1.033	-0.455	-0.086	-0.614	0.163	-0.582	0.959	1.364	0.324	-0.704	0.815	0.091	0.002	0.042	0.134	-0.665	-0.238	0.064	-0.182	0.755	-0.129	-0.605	-0.219	-0.394
-1.414	-1.167	-1.561	-1.084	0.031	-1.316	-0.996	-1.55	-1.71	-1.208	-2.156	-1.281	-1.535	-1.37	-1.928	-2.144	-1.766	-1.672	-1.045	-1.722	-0.998	-1.297	-0.929	-0.342	-1.028	0.112	-0.233	0.576	0.067	-0.428
-0.8685	-0.7065	-0.8935	-0.5705	-0.5705	-0.9765	-0.3095	-0.0085	0.0745	-0.5785	-1.1285	-0.3615	-0.1775	-0.3515	-0.2315	-1.0305	0.1425	-0.1215	-0.0905	-0.9575	-1.0275	-0.4615	-0.5175	-0.1485	-0.3045	0.5515	0.0235	-0.8485	0.1305	-0.0645
-3.3785	-1.8545	-0.0415	1.3485	-2.5435	0.0495	0.0375	-0.9495	0.3185	-1.5985	0.1235	1.6535	-1.1745	-1.5505	0.9555	0.0965	-1.1435	-0.4555	-0.5295	0.0795	-0.6255	0.2525	0.1235	1.1985	0.9805	0.0485	-0.6745	-0.3465	0.0835	0.4075
-0.551	-2.178	-1.956	-1.234	1.32	0.386	-1.552	-1.926	-1.754	0.577	-2.597	0.507	-0.33	-1.48	-3.771	-3.01	-1.96	-1.693	-1.948	-0.484	-0.838	-2.445	-0.607	-0.773	-2.446	-0.355	-1.043	-1.688	-0.145	-3.033
-0.613	-2.035	-2.388	-1.16	-1.231	0.431	-0.062	-0.239	0.54	-0.852	-0.644	-1.835	-1.422	-0.902	-0.91	-0.098	0.168	-0.97	-1.223	0.776	-1.217	-1.03	-0.017	-1.474	-1.863	-1.307	-0.985	-1.548	-1.216	-1.426
0.6375	-0.0925	-0.5455	-1.2435	0.0125	-0.5445	-0.9925	-0.2385	-1.3115	0.0235	-1.2565	0.1575	-0.5355	-1.0025	-0.3955	-1.0075	-0.5055	-1.8655	-0.8655	-0.7365	0.9895	-0.3385	-0.2955	-0.3475	-1.0645	0.0465	-0.8075	0.2245	-0.3265	-0.4555
0.5765	-1.2435	-0.7235	0.2815	-0.2095	-0.0525	0.0485	-1.2865	-0.9595	-0.6375	-0.9565	0.6115	-0.2555	-1.9175	-1.1365	-0.0545	-1.0435	-0.4855	-0.7995	-0.5315	-0.8025	0.0005	-1.8675	-0.4555	-0.5715	-1.0105	-1.1585	-1.6585	-0.6335	-0.4095
-0.31	-1.21	-1.795	-0.604	0.45	0.459	-0.459	1.119	0.045	-0.769	-0.905	1.051	-0.119	0.168	0.017	0.162	-0.382	0.043	-0.533	-0.502	-0.639	-0.7	-0.53	0.263	-0.236	-0.252	-0.397	-0.223	-0.489	-0.239
-0.004	0.278	0.862	0.116	-0.329	-0.236	-0.522	0.038	-0.922	-0.476	0.258	0.316	0.057	-1.064	-0.044	0.64	-0.119	-0.68	-0.398	-0.566	-0.593	-1.146	-0.612	0.165	0.126	0.453	-0.141	0.316	0.088	0.004
0.185	0.349	0.348	-0.948	0.565	0.118	-0.45	-0.202	0.168	-0.249	0.024	0.407	0.092	-0.231	0.095	0.167	-0.108	-0.543	-0.169	0.56	1.394	-0.126	0.018	-0.037	0.29	0.178	0.253	-0.409	0.322	0.261
0.647	0.692	0.429	0.843	-0.332	0.921	0.811	0.331	0.578	0.215	0.117	0.925	0.899	0.542	0.186	1.663	-0.013	-0.723	0.041	0.522	-0.098	0.003	0.27	-0.385	-0.287	-0.199	-1.487	-0.38	-0.402	-0.085
0.8435	0.0785	0.3775	0.2685	0.7965	0.2265	0.0695	0.0355	-0.0265	0.0145	-0.3735	-0.7665	0.0035	0.9115	0.9825	-0.1425	0.1405	-0.2935	-0.1105	-0.3125	-0.1465	0.7635	-0.1075	-0.3425	0.3015	0.1585	-0.0095	-0.2045	0.3925	0.1975
-0.04	0.079	1.697	0.082	1.208	0.914	0.016	0.225	-0.212	-0.007	1.119	0.659	0.101	-0.942	0.162	-0.036	1.066	1.08	0.424	0.165	0.524	0.712	0.288	-0.385	-0.614	0.555	0.591	-0.467	-0.109	-0.881
-0.731	-1.035	0.475	-1.048	-0.682	0.737	-0.305	0.845	0.44	0.388	0.355	0.45	0.483	0.491	0.573	1.998	0.425	-0.44	-0.024	1.482	1.941	0.238	0.306	0.081	0.237	0.096	0.25	-0.147	0.158	-0.068
-0.984	-0.041	-0.647	-0.632	0.176	0.02	0.059	0.262	0.281	-0.139	-0.598	0.384	0.086	-0.05	0.158	0.35	-0.504	0.131	-0.054	0.282	-0.12	-0.839	-1.019	0.278	0.53	0.216	0.002	0.293	0.173	0.276
-0.841	0.263	-0.04	-0.039	-1.356	-0.243	-1.463	-1.528	-0.667	-0.732	-1.326	-1.227	-0.537	0.468	-1.498	-1.708	-1.156	-1.782	-0.753	-1.173	-0.896	-1.69	-0.52	1.154	-0.015	1.167	-0.285	1.156	-0.204	-0.547
-0.008	-0.321	-1.073	0.303	0.843	1.296	0.942	0.117	-0.024	0.051	-0.884	-1.037	0.248	0.208	0.748	0.18	0.984	0.652	-0.078	0.673	0.029	0.604	-0.079	-0.928	-0.651	-0.455	0.096	-1.09	-0.395	-1.397
1.044	0.424	1.259	1.776	0.622	0.198	0.192	0.243	0.805	0.192	-0.095	0.898	-0.2	0.782	0.992	1.021	1.069	0.378	0.076	1.043	-0.05	-0.32	0.198	0.11	-0.21	0.352	-0.009	-0.033	-0.028	-0.064
-0.036	-0.455	-0.563	0.245	0.456	0.224	-0.022	0.158	0.193	0.521	0.927	1.257	0.395	0.666	1.292	0.542	0.177	0.012	0.447	0.656	0.743	0.201	0.501	0.597	0.705	0.385	0.215	-1.037	-0.019	-0.198
0.808	0.236	0.289	2.08	-1.632	-0.039	0.554	0.315	0.79	-1.073	0.994	-0.359	1.586	1.896	1.187	0.927	1.567	0.029	1.124	0.544	-0.134	1.953	0.248	-0.002	0.255	0.003	0.5	0.155	0.442	0.422
-0.392	-1.293	-0.51	-0.001	-1.114	-0.6	-0.642	-0.754	-1.201	-1.995	-1.093	-0.862	-0.41	-0.033	-0.358	-0.573	-0.364	-0.377	-0.524	-0.795	-1.684	-1.481	-1.232	-1.204	-1.138	-0.583	-1.651	-0.689	-0.197	-0.964
0.4205	-0.0165	-0.2435	0.6965	0.0375	0.2475	0.1765	0.5865	-0.4585	-0.2925	0.2585	0.3795	0.1075	0.3635	-0.0945	0.2915	1.3605	-0.2835	-0.0425	1.1205	0.4245	-0.4355	-0.2545	-0.9785	-1.1495	-0.7835	0.3455	-1.6455	-0.3155	-0.2335
-1.938	0.006	-2.945	-1.673	-2.825	-0.652	-0.638	-0.814	-1.3	-0.807	-1.912	-0.169	-0.741	-1.923	-0.354	-3.098	-1.492	-1.661	0.03	-0.555	-0.879	-1.028	-1.558	-0.095	-0.221	0.038	-0.366	-0.201	0.048	0.13
-0.7055	0.3115	0.6655	0.0325	0.8815	1.3365	-0.1905	-0.8795	0.0605	-0.4005	0.0385	0.7555	-0.7085	0.0265	-0.3865	-0.3555	-0.9775	0.4235	-0.1055	-0.6135	-0.5815	-0.0795	-0.0075	-1.1625	-1.2195	-0.7525	-0.5755	-1.1855	-1.0445	-1.4985
-0.1345	0.8335	1.4265	0.5755	0.1705	-0.8825	-1.1675	-0.6425	-0.1085	0.3365	0.0075	-0.6115	-0.4655	-0.9095	-0.6385	-0.5245	-0.5695	-0.4825	-0.9245	-0.4355	0.4585	-0.3745	-0.0745	0.1205	-0.3275	0.4535	-0.9185	0.1125	-0.0995	-0.5105
1.956	-0.612	-0.336	-0.775	-1.449	-0.335	-0.356	-0.907	-1.201	-1.434	-1.006	-0.504	-0.456	-0.906	-0.048	-2.037	-0.679	0.882	-0.846	-2.286	-0.575	-0.647	-1.046	0.389	0.06	1.18	-0.628	0.485	0.412	-0.852

Table 16.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
0.675	2.439	0.333	1.745	0.574	1.693	1.571	1.741	1.651	1.903	1.658	2.71	1.505	2.14	-0.652	-0.646	1.027	-1.832	0.635	-0.344	2.032	1.193	1.063	1.417	0.928	-0.02	1.611	1.681	1.706	2.178
-0.436	0.387	-1.172	-0.52	-1.829	-0.338	-1.101	-0.683	-0.593	-0.093	-0.185	-0.008	-0.45	-0.597	-0.332	-0.847	-0.324	-0.601	-0.353	-1.129	-0.08	0.338	0.384	0.101	-0.179	0.705	-0.44	-0.851	0.217	0.015
0.4785	1.3425	0.3495	0.8065	0.8195	0.1315	-0.1135	-0.6505	0.1625	0.1705	0.7075	1.0455	0.0575	-0.0175	1.0495	0.0055	-0.3675	-0.0115	-0.2425	-0.2055	0.0055	0.6085	0.4015	-0.2975	-0.6505	-0.5945	0.3055	-0.6705	-0.1345	0.0665
-2.388	-2.646	-3.467	-2.489	-2.042	-2.032	-1.579	-1.172	-2.72	-2.455	-3.577	-2.083	-2.524	-1.13	-2.828	-2.319	-2.195	-2.364	-2.072	-1.11	-2.201	-2.078	-1.388	-1.469	-2.081	-0.036	-2.158	-1.302	-0.452	-0.431
0.18	-0.853	-1.845	-1.732	-2.028	-0.999	0.835	0.823	0.105	-0.827	0.998	-1.339	-1.101	-0.05	-0.895	-1.142	0.638	0.341	0.032	1.765	0.514	0.627	0.169	-0.399	-0.755	-0.223	0.63	0.131	0.036	-0.526
0.283	-1.123	-3.017	-2.71	-2.212	-0.713	0.868	0.811	-0.144	-0.892	0.91	-1.393	-0.89	0.118	-1.542	-0.576	0.751	0.353	-0.129	2.2	0.521	0.681	0.802	-0.553	-1.14	-0.447	0.803	-0.273	-0.115	-0.373
0.208	0.634	0.308	-0.067	-0.116	-0.146	-0.536	-0.327	0.13	-0.169	-0.556	-0.484	0.006	-0.323	0.255	0.17	0.554	-0.45	0.12	-0.06	-0.229	-0.153	-0.07	0.345	0.068	-0.042	1.018	0.546	0.643	0.14
7.0355	-0.0795	0.0465	0.5645	0.1715	0.5375	-0.1205	-0.1755	-0.2245	-0.0725	0.2395	0.0015	0.0985	0.2255	0.0875	3.1095	0.0075	0.1825	-0.1435	0.4165	-0.0625	-0.0415	0.1205	0.1655	0.0095	-0.0555	-0.1195	0.0115	-0.0605	-0.1505
0.907	1.429	1.911	0.927	0.838	0.505	0.261	-0.112	0.61	0.315	0.582	0.684	0.918	0.028	0.735	-0.025	0.789	2.588	0.713	0.162	0.484	0.944	0.616	0.059	0.459	0.006	0.048	-0.316	-0.389	-0.145
2.389	3.34	4.85	3.426	2.943	3.381	2.609	-0.496	2.94	1.369	3.626	1.174	2.899	-0.628	-0.316	3.217	-0.4	0.933	1.482	2.184	2.192	0.703	1.345	-0.769	-1.082	-0.888	0.547	-0.309	0.897	-0.713
0.3375	-1.5125	-2.6405	-1.4835	-1.8885	-0.9685	-1.5185	-0.7155	-1.7975	-1.5235	-1.3995	-1.1565	0.0395	-1.5275	-2.0515	-1.6505	-1.1935	-2.4265	-0.8275	-1.4745	-1.7215	-1.4705	-2.5725	0.5755	0.2125	1.2035	-0.8405	-0.8275	0.0065	-0.4405
-0.8505	0.0955	-2.0375	-1.8095	-1.8565	-0.2835	0.1075	0.3175	0.3015	0.9755	-0.4585	0.2435	-1.0795	-0.8755	-0.2945	-0.7965	-0.8425	-0.2315	0.3895	-0.4415	0.8675	-0.4625	-1.1295	-0.2745	-0.7145	-0.8975	-0.6795	-0.3045	-0.3205	-0.0735
-0.206	-0.14	-0.255	0.249	0.194	-0.287	1.136	0.966	-0.702	0.057	0.586	1.009	-0.628	0.657	-0.297	0.119	-0.055	1.006	0.011	0.088	-0.696	0.214	0.322	-0.772	-0.611	-0.911	-2.22	-1.534	-0.388	-0.318
-1.447	-0.335	-0.644	-0.308	-1.1	-0.189	-1.549	-1.449	-0.698	-1.286	-1.136	-1.111	-0.598	-1.557	-1.284	-0.986	-1.606	-1.815	-1.336	-0.511	-1.248	-1.216	-0.402	-0.631	-1.211	1.098	-0.82	0.277	-0.721	-1.472
1.6605	-1.3245	-1.2445	-0.1105	0.1285	0.2585	3.8515	1.1315	4.1465	-0.1755	1.1595	-0.5905	0.8255	-0.5605	0.3655	3.4475	1.8305	5.6525	2.3775	0.7285	2.7985	3.3735	1.9795	0.0565	1.8355	1.3135	3.8385	0.1775	2.0735	1.7855
0.748	-0.565	0.804	-0.242	0.115	0.399	-0.718	0.307	-0.64	0.454	-0.004	0.269	-0.166	-0.502	-0.556	-0.666	-0.068	-0.517	-0.692	-0.476	0.845	-0.709	-0.854	-0.486	-0.779	-0.31	-0.471	-0.743	-0.184	-0.873
0.0375	0.0665	0.0485	0.0345	0.1935	0.4005	-0.4435	-0.6675	0.2075	-0.1145	-0.0345	-0.4185	0.1065	-0.0795	-0.0695	0.2945	0.1715	-0.3485	-0.2875	0.0885	0.1855	-0.3805	0.4165	-0.0805	-0.3045	-0.6725	-0.2045	0.0295	-0.3065	-0.5645
0.1575	-0.6055	0.2915	-0.2435	-0.7365	1.0725	-0.7895	0.4905	-0.0955	-1.1795	-0.0375	2.2475	1.4425	1.6385	0.3445	0.5225	0.8975	1.6935	1.1355	1.8145	0.9595	1.0035	-0.0115	0.5755	0.7395	0.9845	0.8895	-0.7595	0.5155	0.4445
-0.7595	-1.0155	0.7375	0.2895	-0.5155	0.0915	-0.1265	0.1455	-0.1375	-0.4765	1.1995	0.4425	0.4835	0.4185	0.8605	0.2775	0.3565	0.6485	0.3085	0.2745	-0.2605	-0.0545	0.1725	-0.5055	-0.6045	-0.3385	-1.7575	-0.7495	-0.5795	-0.9295
0.078	-0.841	-0.263	-0.915	0.248	0.126	-0.733	-0.083	-0.293	-0.644	-0.492	0.467	0.245	-0.205	-0.583	0.002	0.108	0.438	0.672	0.258	0.444	0.149	-0.606	0.317	0.211	0.259	-0.643	-0.259	-0.572	-0.53
-0.429	0.039	-0.228	-0.437	0.011	-0.078	-0.217	-0.036	0.12	-0.049	-0.188	0.142	-0.316	-0.071	0.13	-0.369	-4.235	-0.36	-0.079	-0.299	-0.51	-0.291	-0.561	0.419	0.88	-0.43	-0.02	0.346	-0.275	-0.227
0.7645	0.4145	1.5645	0.5645	1.6045	0.0845	0.0845	-0.0255	0.0535	0.4745	0.2845	-0.5255	0.5795	2.6755	1.5715	0.8275	0.7235	0.4545	0.1845	0.2135	0.5745	-0.4145	0.4145	0.1445	-0.5755	0.5245	0.5505	-0.1155	0.2345	0.2185
0.385	0.45	1.838	0.186	-0.728	0.28	0.725	-0.178	-0.337	-0.14	0.262	-0.562	-0.001	0.365	1.547	-0.593	-0.163	0.001	0.866	-0.293	0.118	0.038	1.041	0.134	-0.232	-0.087	-0.107	0.373	-0.132	0.497
-1.4685	-0.5455	-0.9105	0.9855	-0.2115	0.1455	-0.3715	-0.8565	-0.1875	-1.3825	-0.5775	0.3905	-0.0435	0.3855	-0.7245	-0.2535	-0.1915	0.5545	-0.2625	0.0665	-1.2595	0.5675	-1.6825	-0.7075	-0.4675	-0.4305	0.2365	-0.7965	-0.0905	-0.3735
0.125	0.226	0.091	0.054	0.198	-0.224	-0.53	-0.453	0.29	0.216	0.214	-0.714	-0.069	-0.615	-0.21	-0.013	0.349	-0.444	-0.113	0.166	-0.135	-0.112	0.003	1.038	0.676	0.74	0.237	1.237	0.266	0.168
1.7475	0.7365	2.0705	1.2025	-0.4685	0.0455	0.5275	0.1925	3.9025	-0.3485	-0.0885	3.9555	2.9235	3.4235	-1.0645	-0.6235	-1.2765	-2.1095	1.5905	-0.8405	-2.1795	-1.9555	0.1135	0.9735	1.3905	1.2335	3.2905	3.6695	3.1835	3.6805
0.156	0.137	1.01	0.321	0.306	1.362	0.416	0.797	0.751	0.066	0.997	1.2	1.069	0.509	0.738	0.506	1.002	1.942	1.198	0.624	0.673	1.98	0.029	-0.35	-0.646	-0.069	-0.102	-0.136	0.086	-1.223
-1.515	0.19	-1.76	-1.975	-2.995	-1.629	0.545	0.852	-0.458	0.407	-0.467	-1.266	-0.996	-2.458	-0.009	-0.592	1.157	-2.323	-1.398	0.356	-0.114	-1.87	-0.822	-0.531	-0.351	2.186	-0.207	-1.419	0.467	0.009
0.8325	0.3925	1.6845	1.1585	2.6775	0.8975	-0.2995	-0.0405	1.1015	0.5995	1.2485	-0.7815	1.7025	0.8955	0.8195	1.5175	0.1275	1.2155	1.0185	-0.0145	0.2295	2.8755	2.3395	0.0795	-0.5165	0.1445	0.4615	0.7815	-0.1455	-0.1085
-1.756	-1.051	-1.272	-0.232	-0.429	-0.371	-0.532	0.155	-0.434	1.617	-0.515	-0.476	-1.553	-0.936	-0.072	-0.697	-0.614	0.209	-0.387	-0.249	0.263	1.362	-1.688	-1.123	-0.867	-0.421	-0.359	-1.181	-0.725	-0.699
-1.3245	-0.1495	0.3925	-0.0025	-0.4815	0.2105	-1.0045	-0.3325	-0.5505	-0.4365	-0.7365	-0.7455	0.1045	-0.3905	-0.2225	0.6685	-0.1265	-0.0805	0.0635	0.2425	1.0065	-0.6505	-0.7275	0.4605	-0.1045	-0.0005	0.0005	-0.0445	-0.3765	-0.5135
0.044	-0.295	1.17	0.895	-0.364	-0.645	-0.302	0.887	0.879	-0.08	0.573	0.873	1.5	1.185	0.583	-0.007	3.267	3.132	1.202	1.727	1.32	0.884	2.098	-0.395	-0.237	-0.507	0.538	0.587	-0.133	-0.306
-0.3885	-0.2325	0.6035	1.1065	-0.1515	0.0225	-0.6585	0.0085	0.6985	0.2915	0.7115	-0.3805	0.5205	-0.3175	0.9165	-0.0535	0.9985	2.5185	1.0315	3.1535	0.3685	1.3655	1.8135	-0.1495	0.8095	0.4475	0.1895	-0.5265	0.0245	0.1205
0.1605	0.4205	0.3565	0.3975	-0.3655	-0.4255	-0.3625	0.0055	0.3055	0.2775	0.7525	-0.5745	0.8895	-0.2485	0.1545	-0.3975	2.6655	1.4875	0.3255	0.0205	0.9555	-0.1645	1.7165	1.2935	0.7475	0.9605	0.1815	0.6655	0.0495	0.3325
1.2635	0.7565	0.9335	0.9335	0.9585	0.5415	0.6335	0.3245	0.3045	-0.2395	-0.2965	1.7505	1.0765	1.0745	1.3085	0.9415	0.8415	0.6875	0.8735	1.4455	-0.4655	-0.1065	-0.3605	-0.3835	-0.3235	-0.4885	0.2065	0.6315	-0.2035	0.1385
-0.2225	0.6945	-0.3205	0.6665	0.0525	-0.3465	0.4375	-0.2825	-0.3325	0.1285	0.0735	0.4645	0.5125	2.1025	0.9875	-0.0525	-0.4435	-0.5415	0.1065	0.3675	0.6705	0.6265	-0.4575	1.3145	0.9615	0.9385	0.9655	0.2565	0.5415	1.1765
1.353	-0.245	1.356	1.492	0.999	2.469	1.368	0.127	0.303	0.052	0.769	1.036	1.036	1.707	0.624	1.24	0.699	1.427	0.957	0.181	0.686	1.73	0.144	-0.385	-1.332	-0.326	-0.306	-0.926	-0.452	-0.634
0.6855	0.0305	0.6485	0.2595	-0.1555	0.6055	0.3355	0.0795	-0.0275	-0.2225	0.6955	0.2655	0.1895	0.3135	-0.1725	0.6245	2.4935	0.6975	0.5985	0.5435	0.0585	0.7195	0.7395	-0.8895	-1.8025	0.0775	0.5505	-0.6725	-0.0725	-0.2955
1.5035	0.6705	2.4305	1.3115	2.0845	1.2375	1.4945	1.6705	0.7285	1.4425	1.3175	1.1755	0.8825	1.5235	1.1045	1.8035	0.8235	1.6515	1.7815	0.9305	-0.2635	2.6465	1.1985	-1.3575	-1.5855	-0.3865	-1.2235	-2.0745	-1.4835	-2.2385
0.6485	0.3285	1.4425	0.9905	2.0185	0.5865	0.7805	1.2315	0.6485	0.6515	1.9625	0.9955	0.9295	0.4415	1.5275	1.2275	1.4335	1.5435	0.9545	0.5025	0.9205	2.2225	0.8875	-1.8685	-1.7885	-0.3775	-0.1505	-1.9035	-0.3505	-1.9885
1.842	1.956	1.697	1.683	2.113	2.314	3.051	1.561	2.395	2.375	2.882	3.307	1.553	2.516	1.632	2.081	2.884	2.733	2.026	0.693	0.559	3.236	2.787	-0.562	-0.541	-1.208	1.182	0.159	0.976	0.042
-0.332	-1.225	-0.399	-1.198	-0.791	-0.041	-0.131	0.054	-1.105	0.384	-0.749	0.896	-0.258	-1.459	0.464	-0.203	-1.305	1.482	-0.224	-0.748	-0.368	-0.677	-1.989	-0.771	-0.842	-0.571	-0.568	-0.846	0.247	-1.344
2.1355	1.1825	1.9185	2.0695	1.5705	2.5435	2.3475	2.1675	0.7295	0.6075	0.8575	1.7675	2.5975	0.7885	2.3175	1.6295	1.6375	2.7675	1.1085	2.1425	2.3445	1.7815	-0.5845	0.5475	0.9245	1.9715	1.0055	0.2725	1.1385	0.2295
0.094	-0.998	-0.19	-0.715	0.512	0.98	-0.436	0.161	0.028	0.637	0.36	-0.849	-0.079	1.165	-0.294	0.777	0.442	-0.363	0.242	0.023	0.126	-0.464	1.044	1.095	0.022	1.424	-0.41	-0.584	-0.161	-1.126
2.7885	0.5645	2.6875	0.2485	3.4005	0.9175	-0.4475	0.2445	1.6765	-0.2265	2.1425	1.3385	2.0585	1.9415	0.0085	2.6975	-0.0075	3.3045	2.5665	-0.4555	-1.3405	2.5655	1.6155	0.2515	-0.9305	0.0185	-0.7915	0.5625	-0.7975	-0.4935
0.4245	-0.3335	0.6775	0.1765	1.6245	0.3215	0.3065	-0.0005	0.3325	1.0145	0.0125	0.0635	0.9085	0.0355	1.5845	1.0495	0.0905	-0.0575	0.7225	1.3535	0.7025	2.3925	0.0385	0.3495	-0.3465	0.6445	-0.6505	-0.3155	-1.2515	-1.0635
1.2155	0.1665	0.8445	1.0215	0.8955	1.1555	1.1925	-0.0355	-0.2165	0.0045	0.3485	0.3995	0.7895	0.3385	1.0015	0.2905	0.3335	0.7975	0.8765	0.8365	0.6035	3.2785	-0.0665	-0.1175	-0.7035	-0.4545	-0.3755	-1.0545	-0.6295	-1.0765
0.759	0.483	0.939	1.535	0.963	1.766	1.176	0.605	0.215	1.099	1.813	-0.188	0.066	-0.759	1.181	0.525	0.716	1.38	0.515	0.384	0.231	2.148	2.675	-0.32	-0.762	0.466	1.671	-1.575	1.078	-0.218
-0.345	0.761	0.298	0.29	0.878	1.217	0.472	1.004	0.834	0.645	0.935	0.253	0.459	-1.243	0.975	0.281	0.156	0.626	0.787	-0.047	0.414	2.218	0.739	0.28	-0.031	-0.168	-1.081	-0.142	-0.387	-0.084
-0.6075	-1.3225	-0.1655	-0.9845	-0.5195	-1.5495	-1.8775	-0.3605	-1.4515	-1.5205	-2.2885	-0.6125	-1.0455	-1.3215	-2.0175	-0.8165	-0.9935	-0.8845	-1.2655	-0.3915	-1.3565	-1.0145	-1.1395	-0.7795	-1.4085	0.0905	-1.4635	-1.4725	-1.3005	-1.7785
0.168	0.424	1.516	1.519	1.423	0.104	0.318	1.176	0.414	0.726	1.281	0.484	0.228	0.195	0.804	0.939	1.05	1.027	0.134	0.366	0.821	1.597	0.905	-0.276	-1.024	0.306	-0.471	-0.155	-0.373	-0.168
0.198	-0.265	0.617	1.224	1.304	0.424	0.02	0.569	0.544	1.122	1.065	0.007	0.464	0.284	1.014	0.734	0.764	0.652	0.88	0.134	0.528	2.444	0.265	-0.224	-0.737	0.111	-0.836	-0.586	-0.227	-0.536
0.75	0.965	1.177	1.115	1.603	1.019	1.991	2.2	1.297	1.008	1.668	2.323	0.877	1.766	1.652	1.448	1.014	2.18	1.149	-0.373	0.714	3.133	0.901	-1.315	-1.513	0.076	-1.921	-1.389	-0.597	-1.909
0.018	0.728	-0.194	-0.536	-0.309	0.178	0.585	0.48	0.221	-0.387	-0.016	0.213	0.539	-0.148	0.65	-0.18	-1.098	0.131	-0.328	0.018	-0.363	-0.436	0.187	0.341	0.575	0.807	-0.564	1.169	0.435	-0.207
0.2765	0.2975	0.0585	0.0095	-0.1085	-0.1245	0.1475	-0.1105	-0.1545	-0.0185	-0.0285	-0.7455	-0.8435	-0.5985	-0.5405	-1.3275	-0.0225	-0.7195	-0.0045	-0.3305	0.1005	0.4895	-0.1715	0.8595	0.2835	0.6435	0.2745	0.4345	0.0625	0.1875
-0.6255	0.6005	0.0185	0.0445	0.1005	0.2125	0.0105	-0.4165	-0.5305	0.2225	-0.4955	0.0905	-0.5555	-0.1875	-1.1395	0.8945	-0.5155	0.1775	-0.3965	0.3915	1.0125	-0.0255	-1.2905	-0.8445	-0.6775	-0.9075	-1.0045	-0.5975	-0.5835	-0.6025
1.841	-0.604	-0.609	-0.811	-1.065	-1.693	-0.071	0.282	0.602	-0.277	-1.802	0.122	0.466	0.047	0.238	-1.64	0.414	-0.251	-0.713	-0.952	-1.138	-0.156	-0.333	0.37	0.134	0.423	0.08	-0.162	0.776	0.698
-0.3085	0.6915	0.7715	0.2845	1.3325	2.1125	0.4595	-0.0105	-0.0645	-0.5825	0.3495	1.1445	0.2935	1.0295	0.6575	1.7085	0.7795	0.5435	0.4335	1.0915	0.6685	0.9465	0.7385	-1.2045	-0.5915	-0.7655	-0.4155	-1.2985	-0.8975	-1.0145
-0.4905	-0.0065	-0.3475	-0.4295	0.0745	0.3945	1.8715	0.1445	-0.3795	0.5715	0.6955	-0.2255	0.4325	0.3965	0.6545	0.6565	1.1455	1.2685	0.3315	0.9955	0.0695	0.9225	-0.5835	-0.1555	0.3395	-0.1675	0.0965	-0.3855	0.2815	-0.2885
-0.9815	-0.7995	-0.9235	0.9715	-2.7435	-0.9865	0.4935	-0.3625	-1.3905	-0.9165	-0.3375	-1.1095	-0.0855	-0.2095	-0.7735	-0.3375	-1.3685	-0.3265	-1.6435	-0.5805	-1.5785	-0.1465	-0.9485	-0.4675	-0.9065	0.3995	-0.7395	-0.6605	-1.1565	-0.9205
0.011	-0.174	0.872	0.165	0.821	-0.772	-0.02	0.293	-0.409	-0.072	-0.071	0.198	-1.045	-0.887	-1.058	-0.974	-1.591	-0.429	-0.309	0.823	0.298	-1.314	-0.808	-0.99	-0.671	0.016	-0.718	-1.664	-0.805	-1.015
-0.99	-1.456	-0.773	-0.426	-0.665	0.498	-0.649	-1.358	-0.648	0.069	0.712	0.404	-1.532	-0.889	0.939	0.144	-1.539	0.084	0.69	0.113	-1.025	-0.764	0.46	-0.451	0.067	-0.546	0.889	-0.065	1.125	1.403
0.962	-0.013	1.376	-0.194	-0.183	0.533	1.008	0.552	0.993	0.364	1.243	1.259	0.743	2.053	1.833	0.113	1.473	1.02	1.389	0.693	0.684	1.083	0.452	-1.042	-0.924	0.052	0.843	-0.077	0.268	-0.137
0.8545	-0.0325	0.0845	0.4085	0.7945	0.9445	0.5875	0.5675	-0.4885	0.5385	0.5575	0.3975	1.1245	0.5555	0.0925	1.0355	1.9825	0.6275	0.2825	0.5045	0.6435	0.3055	0.3475	-0.6335	-0.8745	0.4635	0.2695	0.0815	-0.2115	-1.1345
-0.078	0.262	0.255	-0.1	0.513	0.41	0.217	-0.461	-0.784	-0.671	0.586	0.639	0.451	0.677	-0.379	-0.545	0.214	-0.12	0.602	-0.084	0.763	-0.205	-0.369	-0.572	-0.622	-0.083	-0.176	-0.915	-0.57	-0.527
-0.055	-1.276	-0.344	-0.674	-0.459	-0.518	-1.027	-1.037	-0.644	-1.31	-0.546	-0.839	-0.758	-0.619	-1.162	-2.188	-0.557	-0.856	-0.976	-0.254	0.011	-0.183	-0.578	-0.591	-0.888	0	0.109	-0.935	-0.608	-0.746
1.332	2.108	2.511	3.297	1.188	2.221	-0.879	2.538	0.39	2.222	1.011	3.232	1.895	1.878	0.502	1.178	2.471	2.187	0.845	4.006	2.324	0.894	0.053	0.669	-0.12	1.728	0.318	0.378	-0.53	0.72
0.778	1.672	1.659	1.702	3.595	4.015	1.31	0.582	0.295	-0.28	0.651	4.027	-0.223	3.383	0.822	0.62	2.096	0.011	2.654	4.567	2.228	1.34	1.183	0.611	0.431	1.036	2.489	-0.09	2.147	0.728
-0.288	0.625	0.843	-0.265	1.784	0.211	0.602	0.848	-0.348	-0.444	0.074	-0.013	0.713	-0.227	-0.557	-1.017	-0.349	0.292	-0.254	0.746	1.003	0.212	-0.612	-0.117	0.074	0.272	0.285	0.552	1.489	0.993
2.19	0.522	0.574	0.42	0.27	0.906	0.528	0.321	0.514	1.054	0.7	1.347	0.628	0.909	1.526	1.227	0.449	0.729	0.316	0.301	0.609	0.768	0.791	0.527	0.456	0.223	-0.152	0.652	-0.098	0.108
4.448	0.329	-0.266	0.125	5.632	2.219	0.51	-0.29	0.467	0.142	0.115	-0.115	0.312	3.946	-0.406	0.096	-0.466	-0.379	0.664	1.676	1.165	1.252	-0.164	0.227	-0.391	0.009	0.197	0.597	-0.255	-0.046
0.1425	0.0395	0.6545	0.0165	-0.2015	-0.2205	-0.4055	-0.2925	-0.1015	0.1745	-0.0845	-0.5875	0.2365	-0.3055	0.1055	0.4435	0.4795	2.0395	0.1185	-0.3745	-0.2075	-0.0235	0.7765	1.1565	0.7305	0.6825	0.0805	0.7095	0.1635	0.1375
0.185	-0.172	0.766	1.233	-0.16	-0.481	-0.001	-0.605	-0.49	-0.019	-0.318	-0.653	0.425	-0.162	-0.225	-0.735	-0.488	-0.12	-0.077	0.581	0.124	0.208	-0.757	-0.334	-0.15	-0.192	0.303	-0.276	-0.741	-0.387
-0.3575	0.0135	-0.3905	-0.3155	-0.2755	0.1455	0.1565	0.1965	1.0355	0.3045	-0.0975	0.5755	-0.0555	-0.1355	-0.1625	0.0765	-0.4145	0.0425	0.0505	0.6665	0.7955	-0.6365	0.0205	-0.3385	0.2755	0.7675	-1.8775	0.0275	-0.1925	-0.2655
-0.94	-1.333	-0.854	-0.67	-0.778	-0.118	-0.777	-1.377	-0.315	-0.443	-0.94	-1.665	-1.473	-1.408	-1.515	-1.514	-0.599	-0.661	-0.335	0.043	-1.055	-1.096	-0.961	0.445	1.534	0.513	0.59	0.013	1.375	1.525

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00088 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
0.7035	1.0335	0.5445	0.7055	0.4395	1.0445	0.8515	-0.0355	0.9035	0.1585	0.5275	0.2875	1.4775	-0.0955	0.7155	0.1235	0.4025	0.1165	0.3425	0.4205	-0.0635	0.7055	-0.0455	-0.2185	-0.0055	0.4195	0.5255	-1.0145	-0.4445	-0.4695
-1.2305	0.2685	-0.2875	0.3205	0.0935	-0.1015	0.3225	0.1085	-0.1745	-0.9605	0.1565	0.7375	0.5645	-0.0575	-1.0545	0.1335	-0.0065	0.4135	0.5835	0.4975	0.0065	0.1795	-0.5715	0.1865	0.2635	0.1855	-0.2085	-1.2505	-0.5165	-0.5285
0.2405	1.9225	0.4765	1.4085	1.9765	0.4375	0.8275	0.3175	1.2075	-1.1735	1.5065	2.0835	1.3545	0.4325	-0.8785	1.2875	0.2285	1.0765	1.0415	0.9435	1.2105	1.3755	0.8655	0.8555	0.8885	1.5785	1.7105	1.4125	1.9305	2.0955
-1.3195	1.9745	1.2075	0.8055	1.5575	1.2625	0.2845	-0.0385	-2.2945	-2.0715	0.1715	0.9495	0.0375	1.3555	-1.9295	-2.4225	-0.3285	0.7715	-0.1145	-0.6285	0.0515	-0.9335	-1.1325	-0.9195	-1.1455	0.5145	0.3435	0.0115	0.4225	0.0295
0.989	0.927	1.236	1.488	1.113	0.794	0.988	1.492	1.016	0.176	0.507	1.417	0.978	0.98	0.839	1.583	0.822	1.652	1.273	1.041	0.591	0.97	-0.131	-0.47	-0.168	0.081	0.346	-0.665	-0.275	-0.463
1.158	0.925	2.514	1.354	0.897	1.01	-0.267	-0.254	1.007	0.119	0.955	0.55	1.621	0.516	0.846	1.446	1.114	0.95	0.263	-0.208	1.69	2.606	-0.613	-1.226	-1.299	0.669	-0.303	-2.151	-0.378	-1.928
0.559	-0.597	0.937	0.824	1.186	0.467	-0.508	0.002	-0.184	1.077	0.222	0.425	0.964	0.716	0.242	0.332	0.554	0.914	0.068	0.385	-0.423	1.107	-0.801	-0.32	-0.569	0.097	0.682	-0.618	-0.512	-0.655
1.9635	0.3945	0.3905	2.2825	1.7915	1.5375	3.1365	1.7925	0.5945	-0.6745	1.8575	1.8825	0.7305	-0.0305	-0.9975	0.9805	0.4835	0.0345	0.5825	2.3345	3.5575	1.7275	1.1395	-0.0515	-0.3065	-1.4315	0.7085	-0.8635	0.0015	0.1585
0.8025	0.4435	1.5485	0.7325	0.3585	0.4835	-0.2625	0.0575	-0.6235	-0.1115	-0.1565	1.5525	1.6945	-1.8765	0.0075	1.5885	-1.3165	0.6315	-1.0655	0.8105	0.5905	-2.0925	1.1435	-0.6175	-0.6305	0.2395	0.2415	-0.5785	0.5375	-0.7045
0.2665	0.3655	0.8125	1.0015	0.8985	0.3115	0.1195	0.1165	-0.4865	0.3095	0.2105	1.0505	1.0745	-0.8955	0.3395	0.1345	-1.3455	-0.6795	-0.4755	0.5475	0.1415	-1.8745	0.2295	0.3375	0.1695	0.3985	-0.2645	0.4705	0.0385	-0.3315
1.5445	2.5365	3.1525	2.8745	2.0675	1.9125	0.1475	-0.9225	0.5605	-0.3255	1.2015	1.2495	-0.2735	0.5315	1.2925	-0.5365	0.1595	-0.6345	0.5725	-0.3505	-0.4945	-0.4625	-0.8795	0.2065	-0.0615	0.1975	1.3305	-0.1745	0.9815	1.2915
-2.009	-2.231	-0.729	-2.091	-2.238	-0.43	-0.692	-1.822	-2.203	-1.232	-1.835	-1.42	-1.191	-0.547	0.629	-0.692	-0.891	-1.346	-1.329	-1.129	-0.791	-0.348	0.58	-0.656	-1.523	-1.142	-1.298	-0.522	-0.961	-1.241
-0.9835	0.7605	-0.6025	0.2405	-0.6845	0.0855	-0.8965	-0.4975	0.0235	0.2535	-0.8805	-1.1045	-0.4215	-0.3535	-0.3575	0.6925	-0.5775	-0.3575	-0.0275	0.2395	-0.8135	2.4535	0.4875	-0.2775	0.0225	-0.0305	1.5135	-0.4725	-0.0025	-0.0955
-0.2765	0.1845	-0.3575	0.3125	1.1505	0.4235	0.6525	0.6065	0.3525	0.7045	0.3245	-0.2655	0.1035	0.2035	1.0535	0.5595	-0.2095	0.4585	0.0475	0.3035	1.2105	0.6395	0.1305	-0.2675	-0.1845	-0.0035	0.2665	0.1945	0.1135	-0.4935
-0.749	-0.55	-0.796	-0.355	-0.332	-0.314	0.642	-0.456	0.003	0.434	-0.235	-0.237	0.162	1.267	0.328	-0.279	0.813	1.33	0.169	-0.089	0.681	0.149	-1.022	-0.679	-0.652	-1.167	-1.011	-0.658	-0.826	-0.557
0.4345	-0.3925	-2.1225	-0.9755	-1.6485	0.0335	0.0545	-0.7785	-0.6425	-2.3375	-2.8015	0.8645	-2.5635	0.7495	1.6595	-1.6785	-2.0735	0.9405	-1.1425	0.1035	1.9495	-0.7765	0.5295	1.3525	1.5555	1.7565	0.9275	-0.0535	0.6925	1.6955
-0.47	0.728	1.537	0.061	0.522	1.146	-0.314	0.335	0.738	0.544	0.818	-0.357	0.368	0.235	1.217	2.135	0.933	0	-0.228	0.692	0.512	-0.307	2.434	-0.811	-0.351	-0.884	0.401	-1.47	-0.007	0.195
0.414	1.261	1.104	0.917	1.58	1.85	1.175	0.798	-0.06	1.332	0.572	1.555	0.83	0.97	1.3	1.58	1	1.555	0.752	1.04	1.594	0.91	-0.116	-0.308	-0.289	-0.376	-0.48	-0.88	-0.374	-0.42
0.2775	-0.5065	-0.2485	0.4035	-1.0525	0.3225	0.2915	0.0145	-0.6135	0.1165	-0.9715	0.1045	0.0655	0.1375	-0.5025	0.1855	0.0295	0.1935	0.2845	0.3135	-0.0205	0.2705	-1.5155	-0.4155	-0.7055	-0.7205	0.7785	-1.5395	-0.8155	-0.8985
-0.203	-0.231	0.325	-0.125	0.704	0.184	0.109	-0.219	-0.187	-1.049	0.742	0.295	-0.074	0.299	-0.194	1.022	0.091	0.163	0.474	0.442	0.02	0.329	0.021	-0.129	0.122	0.328	-0.755	-0.89	0.188	-0.298
0.066	-0.968	-0.037	-0.907	-0.523	-0.446	-0.444	0.888	0.162	0.277	0.381	-0.476	0.051	-0.182	-0.188	0.198	-0.429	-0.242	-0.061	-0.102	-0.245	-0.682	0.585	-0.475	-0.102	-0.038	-0.813	0.361	0.232	-0.185
0.8895	-0.6095	-0.0885	-0.2045	-0.1195	0.0435	0.8575	0.2795	0.8485	0.8095	0.9105	0.0005	-0.5265	0.7595	0.6285	0.8495	-0.3975	0.6825	0.5805	0.5135	1.1755	0.3435	0.1775	0.2045	0.5695	0.0115	-0.0805	-0.0395	0.3765	-0.0235
0.096	0.224	0.639	0.517	-0.043	0.318	-0.626	-0.185	0.877	-0.007	-0.174	-0.217	-0.269	0.618	0.178	1.172	1.217	0.839	0.19	0.257	-0.157	-0.4	-0.002	0.265	0.217	0.294	0.368	-0.205	0.028	-0.173
-2.574	-1.814	1.058	-1.965	-2.589	0.337	-2.355	0.371	-1.983	-1.769	-2.064	-1.352	-1.016	-1.631	-1.722	1.834	-1.767	-2.105	-2.068	-1.296	-2.485	-2.288	-0.051	-1.315	-1.984	0.277	-1.162	-1.268	-1.644	-1.72
-0.5315	-0.4435	-0.0655	-0.8125	-0.3165	-0.2485	-0.8465	-1.0885	0.2445	-0.4175	0.6485	-1.2385	-0.2835	0.2945	-1.0295	-0.5185	-0.5895	-0.4665	-0.4275	-0.5915	0.3045	-0.7845	-0.0785	-0.1555	-0.1935	0.1705	0.3775	-0.0815	0.2685	0.2045
0.195	2.579	0.239	-0.107	0.052	0.365	0.513	0.425	2.177	1.453	0.853	-0.137	-0.288	0.303	-0.102	0.174	-0.403	-0.101	0.071	-0.635	2.312	-0.108	0.445	-0.352	-0.347	-0.453	0.076	-0.274	0.192	0.308
-0.5275	1.4965	-0.5455	-0.1245	-0.4305	-0.6375	1.6745	1.4315	2.0015	2.5805	2.0945	0.6715	0.3535	-0.4055	2.3095	0.8575	0.3535	2.0325	1.2645	-0.1315	1.1585	2.6705	1.5175	0.0135	0.6765	0.6115	0.1795	0.4085	1.9855	0.6975
0.253	-2.526	-2.22	-2.478	-0.701	-0.31	0.763	-1.225	-0.76	-0.058	-3.401	-2.266	-0.698	-1.803	-2.252	-0.568	-1.254	-1.149	-0.434	-1.195	-0.337	-2.012	-1.891	-0.181	0.233	-0.038	0.126	-0.148	0.794	-0.565
-0.061	4.15	-0.311	-0.041	-0.245	0.569	4.36	0.212	0.522	6.321	6.07	0.004	-0.374	-0.114	-1.491	1.88	-0.38	-0.457	0.437	0.007	1.331	0.808	-0.024	0.802	0.853	0.496	0.287	0.847	-0.035	-0.56
-0.7625	0.9105	1.7115	4.0455	-1.2175	1.4605	4.6135	2.7835	4.8755	3.5545	2.2225	1.8855	2.9685	3.3695	0.3675	0.1995	2.0285	-1.3525	-0.3045	1.6925	5.6725	4.7635	3.9005	-0.1165	0.9765	-0.0835	0.7695	0.2015	0.3935	-0.7335
-0.565	-0.276	-0.288	-0.133	-0.873	-0.08	-0.38	-0.505	-0.569	-0.644	-1.39	-0.344	0.334	0.095	-0.23	0.109	-0.437	0.322	-0.018	0.718	-0.738	-0.495	-0.702	-0.929	-0.594	-1.423	0.621	-1.702	-0.251	-0.259
0.467	0.503	0.543	-0.503	1.08	0.857	0.331	-0.315	0.062	-0.404	-0.629	0.495	-0.243	-0.191	-0.159	0.565	-0.173	1.013	-0.095	1.132	0.351	0.205	-0.365	-0.472	-0.735	0.004	0.08	-1.087	-0.745	-0.57
0.5275	0.3815	-0.0745	-0.1835	-0.1355	-0.0185	-0.3265	-0.2295	0.5795	0.2345	-0.0555	-0.2275	0.1175	0.0545	-0.2155	-0.1595	0.0885	-0.3385	-0.1925	0.0535	-0.1395	-0.0875	0.1005	0.0605	0.1335	0.1725	0.0015	0.7605	-0.1215	0.1755
-0.3685	-0.2125	-0.4005	-0.2585	-0.4985	-0.2085	0.0115	-0.1485	-0.2885	-0.0635	-0.8695	-0.3465	0.3085	-0.4455	-0.3795	-0.8125	-0.0055	-0.1555	-0.0635	-0.8015	-0.3115	-0.1665	0.2545	1.4335	0.3895	1.2945	0.0405	1.2055	-0.2035	0.5255
0.382	-0.173	0.478	0.028	-0.112	0.769	-0.517	-0.3	-0.814	-0.416	0.27	-0.336	0.118	-0.129	0.621	0.602	1.896	0.533	0.575	-0.05	-0.261	-0.301	0.472	0.168	-0.424	0.189	0.029	1.135	0.282	-0.187
-0.2925	-0.1605	-0.8265	-1.2225	0.0135	0.1645	-0.1405	-0.0005	0.1015	-0.4895	-0.2255	0.2585	-0.3035	-0.0845	-0.4255	0.4675	-0.4935	0.3725	-0.4785	-0.0435	-0.1855	0.0835	-0.3655	-0.6605	-1.0835	-0.5745	-0.2355	-0.1865	-0.9125	-0.9335
0.177	0.463	0.358	0.583	-0.752	0.485	0.297	-0.264	-0.407	-0.014	0.457	1.17	0.635	0.498	0.021	0.295	0.58	0.75	0.256	0.623	0.264	1.001	-0.061	-0.549	-0.849	-0.123	0.55	-0.948	0.027	-0.331
0.385	0.584	0.53	0.665	-0.535	0.536	0.338	-0.014	0.065	0.217	0.523	1.261	0.376	0.514	0.04	0.18	0.176	0.636	0.213	0.653	0.226	0.86	-0.092	-0.718	-0.845	-0.263	0.622	-0.637	0.019	-0.524
0.1485	0.4985	0.7815	-0.0445	0.2885	0.8455	-0.4185	-0.9375	-1.6025	-1.1565	-0.5445	-0.1465	-1.5755	-0.2565	-1.0495	-0.0285	-1.3575	-0.6445	-0.8645	0.1795	0.4245	-0.4555	-0.4775	-1.5935	-2.2015	-0.5685	-0.7175	-0.9195	-1.7645	-1.6365
0.3285	-0.3945	0.0325	0.3675	-0.3795	-0.0705	0.2415	-0.0885	-0.1685	-0.3335	0.9115	0.2765	0.3015	0.8555	-0.5795	-0.0045	0.3175	-0.5355	0.3495	0.3795	1.0295	0.3355	-0.5855	-0.4065	-0.7915	-0.2125	-0.0825	-0.5565	-0.7425	-0.8615
2.4445	1.0115	-0.2475	0.6625	-1.5045	1.5025	5.8935	5.5545	1.8685	3.5775	2.5355	1.5015	2.3035	0.4765	0.6875	-1.3365	-0.4645	1.4945	2.7485	2.8525	3.3445	5.1175	0.2885	1.7115	0.1665	3.0515	-1.0225	2.7215	0.6915	-0.3375
0.426	-1.729	0.98	1.246	0.89	1.116	0.58	0.579	1.186	-0.615	-0.28	1.335	1.761	0.434	-0.969	-1.579	-0.018	-1.539	0.308	0.172	2.05	0.887	0.012	0.615	1.017	1.048	1.563	1.821	2.128	1.485
-0.4225	-0.9305	-0.4315	-0.0485	-0.3735	0.0335	-0.4405	-0.4405	0.0025	-0.1685	-0.3495	-0.5965	0.1085	-0.3975	-0.1905	-0.4965	-0.2925	-0.3215	-0.0695	-0.4805	-0.7295	1.3135	-0.0235	3.3455	0.3635	2.0075	-0.6275	0.8295	-0.7885	-1.0815
-0.267	-0.737	-0.662	-0.883	-0.17	-0.356	-0.234	-0.054	-1.192	-0.765	-0.433	-0.252	-3.602	-0.595	-1.378	-0.601	-0.726	-0.468	-0.509	0.013	0.445	-1.239	-0.16	-0.129	0.078	-0.572	-1.776	-1.549	0.384	0.514
-0.5725	-1.4635	-0.6135	-0.0095	-1.5285	-0.2265	-0.4725	-0.5215	-0.9005	-0.9005	-1.1005	0.9115	-0.5345	-0.4305	-1.1795	-1.4565	-0.1355	-0.1135	-0.4295	-0.7735	-0.4065	-0.6995	-0.4935	0.2635	-0.0565	-0.2815	-1.7665	-1.6245	-0.6405	-0.1925
-0.9	0.01	-0.01	-1.149	0.145	-0.244	0.906	0.642	0.138	0.083	1.261	-0.417	0.2	0.449	0.449	0.866	0.679	0.215	0.022	0.393	0.099	-0.591	0.313	-0.228	-0.391	0.16	-0.754	0.33	0.091	-0.407
2.439	1.782	1.58	2.228	0.92	1.704	0.358	-0.036	-0.253	1.368	1.578	0.74	0.634	-0.043	0.085	1.536	1.689	2.267	1.002	1.211	0.146	-0.416	1.058	0.383	0.116	0.188	1.786	1.082	0.945	0.481
-1.4985	-1.7735	-1.6835	-1.6015	-1.1785	-0.9905	-0.7045	-1.3385	-1.4635	-1.8505	-1.1255	-0.9605	-2.1585	-0.5825	-1.4425	-1.7355	-1.0575	-1.6415	-1.1015	-1.9855	-1.9085	-2.5245	-2.1165	-1.7465	-2.0235	-0.6665	-0.7615	-1.2055	-0.1335	-1.1105
-0.355	-0.922	-0.623	-1.772	-2.626	-0.706	-2.155	-2.603	-2.223	-2.047	-2.175	-3.267	-2.411	-1.672	-2.314	-2.22	-1.419	-1.843	-1.335	-0.942	-2.332	-2.589	-2.005	-0.5	-0.964	-0.556	-2.114	-1.628	-1.688	-0.667
1.405	0.183	0.132	0.035	-0.105	0.813	-0.449	-0.358	1.583	1.102	1.595	-0.427	0.127	1.158	1.08	1.845	-0.23	-0.938	-0.153	1.9	1.444	-0.298	0.318	0.35	-0.264	-0.02	-0.501	1.198	-0.152	-0.191
-1.509	-0.429	0.802	0.688	0.072	0.044	-0.199	-0.127	-0.384	-0.621	-0.428	-0.276	-0.559	-0.86	-0.713	-0.653	-0.695	-0.868	-0.181	-0.637	-0.452	-1.273	-0.71	0.511	0.9	0.396	0.573	-0.817	-0.369	0.306
0.256	0.225	1.461	-0.195	0.436	-0.956	0.038	0.414	0.309	0.119	-2.469	1.192	0.451	-0.652	0.069	0.407	0.161	0.41	0.772	0.442	-0.279	-0.916	-0.799	-0.605	-0.348	-1.223	-0.332	-1.389	-0.471	-0.454
0.757	1.21	0.579	-0.477	-0.417	0.307	0.292	1.262	0.487	1.26	0.908	0.943	-0.421	0.105	-1.049	1.964	0.045	-0.372	0.272	1.735	1.142	-0.033	1.078	1.434	1.052	0.891	0.478	-0.665	0.73	0.716
-0.2335	0.1905	0.5295	-0.4555	0.8735	0.9705	0.4075	0.3075	0.9605	0.2455	0.3375	0.2115	1.0775	0.4745	0.9555	1.8125	1.0805	0.7655	0.0035	0.7505	0.7555	1.9765	0.3335	-0.5435	-0.2725	-0.0645	-0.6975	-0.0355	-0.0925	-0.3905
0.2855	0.3015	0.3285	0.0195	-0.2175	0.0865	-0.4095	-0.1715	-0.2165	-0.0375	0.5305	-0.3965	0.0665	-0.2915	-0.2155	-0.0355	1.8335	0.0545	0.1275	0.3565	-0.0065	0.0635	0.4925	0.3885	0.3535	0.3845	0.0255	0.1005	0.0615	0.1655
1.0455	0.8485	-0.4655	-0.1665	-1.2615	0.4075	0.3365	0.8765	0.2855	1.0545	0.4705	0.0215	-0.4685	-0.9455	-0.0985	0.2295	0.0905	-0.6775	-0.0125	0.1165	0.0735	-1.1595	-0.6305	1.0895	1.6255	0.6765	1.5745	-1.1105	1.7285	1.5845
0.9085	-0.2875	0.4145	2.0735	-1.3215	2.2225	1.6655	2.2005	0.8335	1.7525	0.9205	-2.2465	0.7015	1.2165	3.3945	2.2975	0.8765	1.0085	1.2645	1.1525	0.5675	1.3795	3.2615	1.0435	1.7065	0.1205	0.0785	0.2815	-0.4795	-0.0735
1.2905	-0.0425	1.1785	-0.3705	-1.1925	-0.1675	-0.0515	-0.5685	0.8935	-0.5095	0.2295	-0.8025	1.1055	-1.1175	-1.4705	-0.5995	-0.6515	0.1195	-0.3635	2.1015	2.5765	-0.9985	-1.2295	-1.2675	-2.1055	-0.0925	-0.5535	-0.9735	-1.1675	-1.6735
2.042	0.574	2.296	0.498	1.653	0.686	0.505	1.371	0.214	0.105	0.028	1.779	1.473	3.027	0.739	0.25	0.14	1.085	0.896	0.713	-0.168	-0.258	0.088	-0.293	-0.788	1.203	-0.299	-0.591	-0.36	-0.197
-0.7205	-0.7705	-1.1885	6.9355	0.0225	-0.2575	2.0205	-0.3815	-0.1445	0.9825	-0.5855	0.1955	6.6425	-0.0825	0.4665	-0.5685	0.3475	6.9195	0.2145	-0.3275	4.8385	-1.1705	1.0865	-0.0315	0.2365	-0.3635	4.0495	2.0655	6.5535	0.4225
0.232	-0.139	-0.55	-0.821	1.625	-0.475	-0.581	0.188	0.601	0.39	0.588	-0.482	-0.07	-0.537	0.946	0.131	-0.619	-0.994	-0.389	-0.42	0.61	-1.181	-0.252	-0.184	0.275	0.19	-0.566	-0.198	0.362	-0.173
-0.2375	-1.4435	-0.6155	-0.7515	-0.8055	-0.6495	0.2615	0.4055	-2.3945	0.1455	-0.2795	-0.0585	-0.6065	0.1795	-0.9875	-0.1485	-0.2255	-0.1935	0.2315	-0.1975	-0.2315	-0.8435	-0.4965	-0.2775	-0.0175	-0.0335	0.0975	-0.8285	-0.0405	0.2745
0	0.138	-0.603	-0.348	-1.358	0.912	0.321	-0.542	-0.233	0.17	0.879	1.623	-0.353	-1.618	0.184	0.608	0.496	0.076	0	0.021	1.37	1.525	-0.384	0.924	1.288	0.121	-0.408	-0.088	0.468	0.275
0.562	-1.389	-1.806	-1.075	-1.228	0.543	0.462	-0.815	-0.055	1.956	0.764	-1.175	-0.314	-1.299	-1.531	-1.648	-0.716	-1.373	-0.291	-1.018	-1.676	-1.636	-0.681	-0.708	-0.903	0.693	0.233	0.267	0.104	-0.042
1.4265	0.9065	1.3405	0.9865	1.0945	0.5495	0.5105	1.0665	0.3695	0.7175	1.7075	1.0435	0.8265	0.6785	0.7515	1.4005	0.7855	1.2385	0.5185	1.3645	0.2965	0.9955	1.5545	-0.2455	-0.4895	-0.1205	0.3985	-1.5565	-0.5365	-0.8775
5.725	2.379	3.183	1.152	2.687	2.118	0.347	0.311	2.039	1.891	1.019	1.57	3.281	2.337	0.514	0.478	0.425	2.334	1.384	0.772	2.377	2.004	0.35	0.082	0.374	0.921	-0.203	0.512	-1.304	-1.088
0.372	0.724	2.204	1.244	0.145	0.574	-0.134	1.124	0.787	-0.656	0.947	1.647	1.146	1.272	0.959	0.694	1.542	3.296	1.181	2.249	0.746	0.086	1.065	-0.617	-0.037	0.549	-0.109	-0.354	-0.672	-0.157
-0.3125	0.2925	-0.8465	-0.1195	1.4975	0.7335	0.1495	0.3995	0.1925	-0.4225	-0.4755	0.4205	0.8745	0.0375	0.5075	-0.1975	1.7965	-0.2435	-0.6875	0.6315	0.6535	0.1085	-0.7295	-0.3805	-0.7975	0.4735	-0.2115	-1.2845	-0.7045	-0.6805
0.98	-0.47	0.04	1.81	-0.83	0.846	1.24	-0.18	0.985	0.96	1.38	2.32	1.677	-0.01	0.169	0.317	0.076	0.36	1.84	0.679	0.74	1.517	0.23	2.2	3.28	2.32	2.85	3.888	2.54	2.428
0.1635	-0.3545	3.0095	2.8725	-0.8765	1.5755	1.5255	2.0495	2.0025	0.0475	3.8455	1.2485	1.4705	-1.3425	1.4825	-0.9815	1.8875	3.0105	1.8925	2.6655	1.5795	1.6155	1.1855	-2.7405	-1.0315	-0.9975	-2.2385	-2.2975	-2.1075	-1.5665
-0.2885	-1.0015	-0.3635	0.2535	0.8595	0.2745	-1.5335	-0.4005	0.1385	-0.4015	-0.9645	0.5195	-0.4385	0.5225	-0.9505	-0.3225	-0.5155	0.0235	-0.7165	-0.0975	0.1985	0.1025	-0.2595	-0.7645	-1.2775	-0.7655	-1.0265	-2.1605	-1.3745	-1.6375
-1.8525	-0.6595	-2.4665	-1.7605	-2.7155	-0.1575	-1.3815	0.1935	-1.0865	1.4965	1.4325	-1.3675	-2.2115	-0.2005	2.1095	0.0345	-1.7215	-1.4135	-0.9205	-1.8485	-2.2295	-1.2345	-0.6015	-0.7835	-1.3155	0.1095	-0.9875	-0.8565	0.4525	0.1205
-0.642	-1.366	-0.502	-1.257	-1.249	-2.015	-1.656	-1.672	-1.567	-1.831	-2.264	-2.177	-1.098	-0.009	-0.707	-0.876	-2.911	-1.549	-1.462	-1.106	-2.449	-2.507	-1.028	-0.189	-1.171	-0.079	0.271	-1.591	-1.14	-0.746
0.234	0.897	0.143	-0.437	-0.214	-0.291	-0.852	-0.951	-0.81	0.19	0.282	-0.612	-1.085	-0.574	0.076	-0.682	-0.103	-0.842	-1.014	-0.914	0.986	-1.113	-0.64	-1.186	-0.74	-0.528	-0.274	-0.859	-0.522	-0.557

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
1.3775	1.7415	1.5785	1.1095	1.0655	1.1885	0.8315	-0.9155	-0.6955	-0.5885	-0.5025	0.4825	-0.3105	0.8445	0.2925	0.7145	0.2075	1.4975	0.1565	0.7245	0.3415	1.0675	-0.1265	-0.6335	-0.9615	-0.2535	0.3285	-1.0575	-0.4115	-0.6415
0.057	0.726	-0.579	-0.28	0.815	0.634	0.034	-1.453	-1.298	-0.398	0.015	-0.942	-0.803	-0.847	-0.21	-0.825	-0.87	-0.522	-1.192	0.681	-0.261	0.036	-0.537	-0.321	-0.254	0.518	-0.305	-0.279	0.155	-0.044
0.075	-0.054	0.155	-0.082	0.016	-0.015	0.029	0.089	-0.037	-0.077	-0.008	0.245	0.543	-0.253	0.135	0.085	-0.04	0.079	0.002	0.115	-0.105	0.034	-0.119	0.564	0.446	0.544	0.215	1.195	0.175	0.225
-0.5355	-1.3635	1.0375	1.9045	-1.3225	-0.3745	-0.4335	-1.2995	-1.0775	-0.8645	1.2345	0.1575	-1.0075	-0.3195	-0.6635	-0.5095	-1.0905	0.0875	-0.2505	-0.8325	-1.6865	-0.4995	-1.3455	2.6035	0.8085	1.8475	-0.9205	1.7605	-0.4455	-0.1245
-0.191	1.003	1.271	0.977	0.216	0.764	0.772	0.729	0.343	0.003	0.776	0.814	0.422	0.504	-0.071	0.675	-0.148	0.218	0.427	-0.101	-0.356	-0.68	-0.038	0.675	0.651	0.449	0.183	0.235	0.327	-0.041
-1.3775	-2.2015	-2.7055	-0.8535	-1.9355	0.1465	-2.0885	-1.8805	-2.0675	-2.0585	-1.3205	-2.1045	-1.7095	-1.8435	-1.7765	-2.3875	-1.7345	-1.8955	-1.4555	-1.6985	-2.5075	-2.3255	-2.4375	-0.5555	-0.2905	-1.0455	-0.8495	-0.9765	-0.8845	-1.1395
-1.0575	-0.7705	-1.0185	-0.7055	-0.9375	0.0415	-1.2175	-1.3225	-1.1575	-0.8635	-0.6825	-1.4585	-0.9815	-1.1205	-0.9665	-0.7395	-1.0795	-1.3875	-1.2535	-0.8295	-1.2005	-1.1385	-0.8815	-0.1255	0.4015	-0.5475	-0.5465	-0.1485	-0.0055	-0.3315
-1.771	-1.205	-1.469	-0.866	-1.588	-0.528	-2.096	-2.11	-1.458	-1.906	-1.112	-2.242	-1.467	-2.022	-1.953	-1.741	-1.977	-2.317	-1.719	-1.422	-2.253	-1.454	-1.702	-0.291	0.097	-0.847	-0.845	-1.864	-1.37	-1.224
0.347	-0.107	0.24	0.161	1.008	0.058	0.842	0.52	0.068	0.004	-0.286	0.638	-0.124	1.437	0.478	1.328	0.179	0.969	0.308	0.526	-0.468	-0.503	0.198	-0.617	-0.87	-0.458	-0.403	-0.476	-0.506	-0.722
0.877	0.465	1.64	1.351	0.452	-0.422	0.363	1.01	-0.242	0.219	1.073	3.01	0.109	1.129	0.928	0.566	1.088	1.741	1.248	1.705	1.416	0.831	0.083	-0.384	0.599	-0.028	-0.326	-0.224	-0.026	-0.143
-0.6995	-0.6595	-0.5995	-0.7935	-0.8405	0.3025	-0.2165	0.1725	0.0395	-0.6745	-0.9195	0.2695	0.0145	0.2485	-0.4865	0.2195	0.1965	0.4355	0.3155	0.3915	0.0575	-0.2835	-0.0485	-0.5095	-0.1565	-0.5165	-0.0495	-0.2035	-0.4775	-0.2125
-0.058	-0.114	-0.083	1.041	0.502	1.046	0.425	0.039	-0.841	1.26	1.062	0.669	-0.371	-0.105	0.251	-0.206	0.009	-0.274	0.587	0.888	0.985	-0.031	-0.568	-0.158	-0.896	0.348	0.832	-0.779	0.002	0.312
0.586	-0.468	-0.688	-0.847	0.14	0.364	0.252	0.278	0.634	0.798	0.724	0.946	0.52	0.069	0.193	0.351	0.01	-0.74	-0.046	0.408	-0.063	0.387	0.048	0.378	0.576	-0.314	0.271	-0.424	-0.557	-0.134
0.7685	0.5725	0.3635	0.2995	0.6835	0.9025	1.3115	0.2725	0.3695	0.4465	0.4515	0.9775	0.7635	0.5155	1.4615	-0.2675	0.2705	1.3095	0.2805	0.5035	0.2815	1.5385	0.5015	-0.1235	-0.4505	-0.6865	0.4245	-0.0915	-0.2025	-0.6075
0.583	1.586	-0.126	0.638	1.081	1.144	1.195	0.582	0.385	0.958	1.082	0.51	0.291	1.439	-0.245	0.996	0.579	0.01	0.437	1.061	1.018	1.026	0.627	-0.329	-0.629	-0.168	0.682	-1.428	0.08	-0.34
1.1745	-0.8785	0.3935	-0.3355	-0.4485	0.0415	0.3855	0.8015	-0.3945	0.1165	0.0915	-0.0255	-0.2425	0.5155	0.6915	1.5005	0.1835	1.0115	1.4855	0.5875	0.9315	0.7875	0.3695	-0.2745	0.0895	-0.5155	-0.2025	-1.1555	-0.2885	-0.2365
0.9875	0.3295	0.1465	0.0045	-0.3985	-0.4375	-0.1765	-0.5135	-0.3915	0.5125	1.0715	0.0015	-0.6735	-0.8185	-0.0045	-0.0075	-0.4015	-0.1035	-0.2115	-0.4145	-0.2295	-0.2215	-0.3405	-0.2075	0.5045	-0.1275	0.2875	0.0885	0.4695	0.0565
0.6915	0.3605	0.6025	0.4315	0.9555	0.4305	0.1245	-0.6015	0.2015	0.3075	0.2035	-0.5335	-0.2115	0.7495	0.6975	-0.2725	0.7935	0.2305	0.0375	0.1105	0.0045	1.3305	0.6495	-0.4595	-0.4125	0.2355	-0.0105	-0.6805	-0.1685	-0.6435
0.7085	-0.4285	0.9095	-0.1085	0.4805	0.2885	0.5805	0.5385	-0.0245	-0.1845	0.0565	0.3795	-0.3645	1.4845	0.2955	-0.4775	0.6715	0.1445	0.1915	0.6235	0.8025	1.0355	-0.3375	-0.0655	-0.1385	-0.0615	0.2115	-0.8525	-0.0055	-0.4415
1.021	0.944	0.439	1.007	1.938	0.401	-0.886	-0.497	0.78	0.197	-0.481	0.549	0.767	1.858	0.582	0.34	1.736	1.018	1.311	1.651	1.144	0.43	-0.791	-0.356	-0.351	-0.29	-2.111	-0.756	-0.989	-1.656
0.1725	-0.5155	-0.0615	-0.3075	-0.4045	0.1615	-0.4185	0.4455	0.3635	-0.3025	0.6015	-0.3945	0.2305	-0.5165	0.5915	-0.1205	0.5665	0.8695	0.6855	1.0995	0.3965	-0.0235	0.7795	-0.5495	0.4945	0.6225	-0.7275	0.1195	0.3235	-0.4725
1.5435	0.6695	0.4165	1.0075	0.0605	0.9265	1.4795	1.7475	1.4275	0.8405	1.8565	1.7695	-0.3965	0.7125	1.2655	1.2835	1.1165	1.1465	2.1865	1.1515	0.8765	1.8525	1.0055	-0.3175	0.2715	-0.8945	-1.0805	-0.0855	0.1165	0.0265
1.016	1.393	0.715	2.348	1.538	0.633	0.799	0.768	-0.077	1.339	1.594	1.264	1.584	0.704	-0.013	0.9	-0.67	-0.714	0.037	0.349	-0.348	-0.195	0.745	-0.484	-0.395	0.032	0.12	-1.172	-0.078	-0.299
-0.148	-1.313	-1.455	0.702	0.978	1.415	0.405	-0.294	-0.139	-0.393	-1.555	0.545	0.162	0.302	0.2	0.411	-0.295	-0.529	-0.266	1.317	-0.299	-0.087	-0.876	-0.47	-0.05	-0.938	0.044	-1.23	-0.984	-0.764
0.958	0.653	1.166	1.423	0.561	1.114	-0.205	-0.155	0.005	0.158	-0.506	-0.078	-0.466	1.018	-0.87	-0.037	0.805	-0.41	0.33	0.165	1.472	1.554	0.682	1.091	0.24	0.503	0.684	-0.325	0.818	1.145
-1.1585	-0.4275	0.0245	-0.5545	0.1575	-1.2345	0.8145	0.4855	-1.9325	-1.8495	0.1665	-1.6995	-1.0535	0.6625	-1.3775	-2.8405	-0.7575	-0.4925	-0.3745	-2.0435	-0.9535	0.6155	0.5625	-0.0915	0.6705	0.4715	1.1105	0.0675	1.1145	0.7925
-1.2925	-1.1305	-1.5535	-0.1795	-0.3715	-0.1785	-1.4435	-2.0685	-1.7165	-2.0065	-1.8745	-0.9615	-1.4505	-1.1085	-1.8625	-1.6305	-2.1175	-2.0575	-1.9215	-1.1885	-1.9955	-1.6225	-1.6035	-0.3315	-1.3205	-0.3865	0.0345	0.8345	0.7085	-1.0085
-0.064	0.392	-0.589	-0.78	-0.489	-0.117	-0.824	-0.244	-0.269	-0.082	0.25	-0.485	-0.275	-0.317	0.19	-0.502	-0.111	-0.301	-0.058	-0.635	0.481	-0.105	-1.032	0.726	0.636	0.722	0.496	0.799	0.862	0.553
2.247	1.272	1.388	2.677	2.756	1.639	-1.251	-0.341	1.618	2.059	3.295	0.224	2.358	2.614	4.085	3.629	-0.331	2.962	0.233	1.099	0.986	-0.433	1.321	-0.286	-0.321	-0.072	0.845	-0.91	0.51	-0.058
0.085	-0.878	0.585	0.273	-0.201	0.509	0.047	0.137	0.717	-0.285	0.126	0.958	0.873	0.223	-0.3	0.329	1.163	0.071	0.009	0.832	-0.138	-0.507	0.133	-0.607	-0.661	-0.452	0.033	-0.496	-0.582	-0.491
0.2325	-0.7765	-0.2445	0.5545	1.0185	-0.2315	0.4315	1.1115	1.3375	0.6625	0.7875	0.2805	1.6215	0.9595	0.5485	-0.0295	0.4625	0.5725	0.4715	-0.5485	0.5435	1.1225	1.9605	-0.7855	-0.4755	0.2465	-0.5855	0.4045	0.1255	-0.5235
-0.467	-0.48	-0.269	-0.196	0.727	-0.19	0.038	-0.22	-0.175	-0.382	-0.302	-0.965	0.234	-0.989	-0.811	0.008	0.228	0.003	-0.193	0.052	0.415	-0.041	-0.41	0.019	-0.357	0.123	0.326	0.157	-0.528	0.046
-0.8195	-0.8125	-0.4565	-0.3705	-0.3605	-0.1355	-0.9995	-0.5295	-0.3005	-1.2475	-0.9815	-0.6805	0.0935	-0.2045	-0.7055	0.0195	0.5385	-0.0315	-0.1595	0.1415	-0.2675	-1.0345	0.0465	-0.1115	-0.2665	-0.0025	-0.3205	-0.1655	-0.8795	-0.4445
-0.0525	-0.1325	0.6405	0.1075	0.4575	0.2595	-0.6125	-0.0665	0.7345	0.1135	0.4965	-0.3115	0.2445	0.3165	0.7775	1.3835	0.0045	-0.5865	-0.0025	0.0855	0.2365	-0.3015	0.4175	-0.9345	-0.6435	-0.4155	0.4305	0.0065	-0.3015	-0.4415
0.698	1.49	1.594	0.906	2.012	2.175	0.94	0.214	0.301	1.084	0.667	0.654	0.295	0.571	1.189	1.657	0.746	0.878	0.21	1.095	0.76	0.478	0.148	-0.448	-1.019	-0.721	-0.893	-1.158	-1.133	-1.275
-0.8835	-0.5965	-0.0935	-0.0485	0.2645	-0.4925	0.4945	0.3025	-0.4215	-0.0885	-1.0145	0.2435	1.5755	0.4395	-0.2485	1.1825	-0.2675	0.1425	0.2735	0.6915	0.2435	-0.0825	-0.9415	0.1045	0.2475	-0.1365	-1.2995	-0.5595	-0.0405	-0.2645
0.138	0.373	0.293	1.019	0.455	-0.074	1.343	1.019	0.515	0.449	-0.53	0.805	0.966	-0.134	-0.013	0.736	-0.521	0.144	0.168	0.661	0.598	1.603	-0.767	0	-0.067	-0.171	0.502	-0.318	-0.214	-0.262
0.649	-1.319	-0.366	-0.488	-1.121	-0.393	0.289	0.012	-0.321	1.113	-0.645	-0.6	-0.867	-0.588	0.654	-0.758	-0.85	0.402	0.348	-0.39	-0.208	0.152	-1.098	0.039	-0.384	0.207	0.288	0.103	0.771	0.76
-0.9415	-0.2335	-0.8825	-0.4555	-0.0625	-0.8615	2.1525	-0.7975	-0.1245	-0.3255	-1.7305	-0.8685	-0.3485	0.1705	-0.7185	-1.3115	-0.3435	-1.5325	1.7035	-1.2275	3.2325	-0.1635	-0.4635	1.3775	3.0295	2.4625	5.6545	2.3805	2.2895	2.2075
0.129	1.31	0.477	-0.18	0.001	0.464	1.41	0.418	-0.22	2.452	2.619	-0.231	-0.107	-0.223	0.111	0.06	0.105	0.509	0.159	0.037	0.022	1.164	0.228	1.47	0.656	0.874	0.012	0.298	-0.115	0.08
-0.188	-2.497	-1.791	-0.335	-0.431	-0.205	-1.48	-1.88	-1.029	-1.137	-0.935	1.14	0.236	-0.008	-1.413	-1.242	0.111	0.846	-0.503	-0.928	-0.276	-0.71	-2.102	-0.744	-1.214	-1.025	-0.783	-1.364	-1.148	-0.744
-0.2465	-1.3205	-0.3255	-0.2005	-0.6825	0.4105	-1.1935	-0.9715	-0.6245	-0.5465	-0.5485	-0.8535	-0.8055	-0.2965	-0.9775	-0.0885	-0.2945	-0.6915	-0.9455	-0.6135	-0.1355	-1.1255	-0.3145	-0.6585	-1.0755	0.1475	-1.4145	-1.2445	-0.7905	-0.6605
-2.7275	-3.7045	-3.8285	-3.3955	-2.6865	-0.9065	-2.9235	-2.9045	-1.7495	-3.0055	-2.8065	-3.6555	-2.2805	-2.4385	-2.4795	-2.8755	-2.5305	-3.6805	-1.6745	-2.2825	-0.1775	-3.6255	-0.4825	-0.9135	-1.4985	-1.4015	0.2605	-0.7465	0.8475	-2.0515
0.002	0.286	-1.691	0.455	0.266	-0.155	0.303	0.514	0.031	0.164	0.176	0.749	-0.088	-1.554	0.534	0.201	-0.024	-0.972	0.674	0.681	0.681	-0.377	-1.36	-0.394	-1.545	-0.33	-0.291	-1.273	-0.842	-0.768
-3.28	-2.59	-4.122	-2.79	-3.171	-0.357	-2.229	-2.519	-4.222	-2.321	-0.481	-3.411	-2.426	-3.21	-2.87	-2.461	-2.801	-3.33	-1.718	-1.925	-2.782	-3.14	-3.595	-0.7	-0.225	0.404	-0.56	0.019	-0.681	-2.254
1.126	-0.053	1.116	0.6	0.639	0.826	0.908	0.009	0.269	0.144	1.103	0.042	0.6	-0.16	0.476	1.134	0.885	1.624	1.115	-0.389	-0.259	1.038	0.169	-0.549	-0.375	0.035	-0.028	-0.61	0.363	-0.388
-0.683	-0.419	-1.106	0.494	-0.409	-0.767	-0.382	-0.293	0.2	-0.002	-1.151	-0.308	0.623	-0.157	0.059	0.08	1.12	-0.551	0.424	0.537	-0.762	-0.316	0.922	0.643	0.03	0.622	0.179	0.38	-0.2	-0.102
4.2025	1.3285	2.1045	0.9575	0.7565	2.4235	1.9915	0.6965	1.7175	2.9035	1.4255	-0.1235	2.3045	3.0095	0.8135	-0.8165	1.6215	0.8635	1.5085	0.3845	1.1615	1.0315	-1.1505	1.7495	2.1085	0.5035	1.7495	1.7635	1.7275	1.6375
1.1755	0.6685	-0.4165	0.4915	-2.0865	-0.8125	0.0545	-0.0915	0.5185	0.6365	0.5865	0.1675	1.0965	0.5205	0.2205	1.0335	-0.1215	-0.5205	0.3855	1.0005	0.1045	0.6585	0.6795	-1.0975	-0.4025	-0.2365	-0.4155	-0.5185	-0.8825	-0.5365
1.0925	0.4635	-0.9495	-0.8035	0.6025	-0.0715	0.3955	1.2325	0.2405	1.3585	1.1975	0.8885	-1.1615	0.6645	0.7485	1.3115	0.1755	-0.5295	2.0665	0.6795	0.9365	0.9605	0.4375	-0.3255	-0.3315	0.1655	-1.2695	-1.4215	0.2495	-0.9845
-0.8925	0.4075	0.4095	0.0845	0.1965	0.2105	0.1975	0.3295	0.3795	0.2015	-0.2345	0.0065	0.0355	0.5225	0.7595	0.3645	1.2045	0.5915	-0.0025	-0.3565	-0.4435	-0.0925	-1.0825	-0.5445	-0.5595	0.6025	0.0345	-0.4455	-0.1405	-0.6225
0.7585	-0.2795	-0.5015	0.7455	-0.0195	0.5525	0.6985	-0.0185	0.2515	-0.2625	0.0155	0.2115	-0.9045	0.4585	-0.5585	0.6835	-0.4015	-0.1745	0.2575	0.6235	-0.0065	-0.5215	-0.5545	0.2265	-0.6385	0.9615	0.0635	0.0065	-1.0365	-0.1955
0.6535	-0.5735	-0.6165	-0.5285	-0.8105	-0.8135	-0.6225	-0.7825	-1.0075	0.0315	-0.3975	-0.4505	-0.5775	0.8405	-0.7805	-0.9065	-0.2895	-0.7165	-0.3465	-1.0505	-0.5715	-1.3435	-0.7045	0.5245	-0.1885	0.0245	0.0945	0.6475	1.1375	-0.4975
-1.6975	-1.8135	-1.1895	-0.2955	-1.2875	0.3145	-0.6905	0.0115	-0.7935	0.6215	-0.6905	-2.4885	-0.1235	-1.1035	-0.9515	-1.2925	-0.7545	-0.9885	0.5565	-0.2185	-1.0955	-1.0895	-0.3555	1.2395	0.8755	0.5685	1.2855	0.0595	1.7325	1.3175
0.4195	0.4955	-0.5085	-0.4345	0.0495	-0.2335	-0.5155	-0.4635	0.2085	-0.6455	-0.6105	-0.1455	0.3815	0.2355	0.5885	0.1565	-0.4435	-0.9895	-0.3185	-0.6655	0.0815	0.2785	-0.5965	0.1645	0.0525	0.1285	-0.0985	0.3465	-0.1135	0.0125
-0.266	0.216	0.065	0.085	-0.158	-0.188	-0.071	0.249	0.169	0.08	0.094	-0.15	0.093	0.149	-0.054	0.236	1.71	1.004	0.292	-0.098	0.103	0.174	0.276	0.181	-0.371	0.002	0.163	0.067	0.074	-0.499
0.204	-0.27	1.163	0.024	0.668	-0.307	-0.712	-0.145	0.23	0.489	-0.187	-0.75	0.039	-0.451	1.275	1.689	0.233	-0.925	-0.215	1.308	1.154	0.043	0.44	0.305	0.041	0.533	0.485	0.25	-0.179	-0.432
0.534	0.464	0.596	0.057	1.132	1.248	0.681	0.069	-1.109	0.668	0.176	0.986	0.334	0.1	0.624	0.656	0.714	1.38	0.544	0.89	1.214	1.007	-0.58	-0.308	-0.785	-0.257	-0.56	-0.723	-0.507	-0.566
-0.2845	-0.0035	1.1205	0.0745	-0.2885	0.7345	0.1125	-0.1165	0.1825	-0.6215	-0.1935	-0.1005	1.0855	-0.1895	0.1695	1.0545	1.6605	2.1515	0.7935	1.0645	-0.3915	0.3775	1.4635	-0.6645	-0.7665	-0.4645	0.0105	-0.5325	-0.4525	-0.1815
-0.823	-0.394	-0.599	-0.628	-0.181	-0.301	-0.096	-0.624	0.606	0.089	0.066	-0.987	-0.326	-0.42	0.007	-0.23	0.305	-0.063	-0.077	0.162	-0.215	0.625	-0.167	0.168	-0.071	0.484	0.259	-0.152	-0.053	0.042
-1.0725	0.3915	0.5955	1.5805	-0.0485	0.1945	0.9305	0.2625	1.4755	-0.6325	1.4215	3.0665	0.6005	1.7095	1.1775	1.1835	0.7495	0.5115	1.2195	0.6625	0.2465	0.9455	0.5545	0.8725	0.9775	0.2965	-0.4515	-0.6325	-0.4875	0.7765
0.9745	0.6395	1.3875	0.2975	1.2775	0.5505	-0.8625	-0.6365	0.6745	0.7035	-0.0775	1.2355	1.6285	1.8625	0.7955	0.1955	-0.7775	-1.6075	-0.8705	1.2675	0.4455	-0.2055	-1.2475	0.5625	-0.2315	-0.0135	0.9595	-0.3445	0.0335	0.8545
-0.6155	-0.5955	1.6135	-0.6625	-1.9205	-1.0105	-0.2375	-0.4455	-0.9195	-0.2365	-1.5045	0.0295	-0.7765	-0.7485	-0.7295	-0.1715	-0.7065	-0.4995	-0.9125	-0.6435	-0.9695	-0.8125	1.3175	0.0855	-0.6145	0.2735	-0.5715	-0.2805	-0.2895	0.1245
-0.3595	-1.2125	-1.1605	-1.4035	-1.5265	-1.0555	0.1615	-0.0055	0.8845	-0.4725	-0.5005	-1.5125	-0.6125	-0.2545	-0.3625	-0.5005	-0.7785	-1.7585	-0.6915	-0.2885	1.1775	0.6625	0.2615	-0.5935	-0.0735	-0.4785	-0.4775	-0.0295	-0.2285	-0.3665
1.144	0.7	0.272	0.092	0.527	0.671	0.525	0.223	0.23	0.092	1.167	-0.121	-0.183	0.93	0.409	0.626	0.625	0.037	0.521	-0.021	-0.083	-0.57	-0.206	-0.851	-0.619	-0.005	0.05	-0.824	-0.132	-0.548
0.1815	0.2305	0.7755	-0.1905	1.4035	0.9025	0.2425	-1.0205	0.3455	0.6505	1.0075	-0.3535	-1.1115	-0.5745	-0.2535	-0.8245	0.0155	-3.4185	-0.1585	0.1785	0.6845	0.8165	-0.3975	0.2265	0.1555	0.4855	0.3745	-0.6255	0.2635	-0.4075
0.7795	0.8975	1.4015	0.6405	1.7075	0.6415	0.8975	0.0905	0.3895	0.1945	0.1365	0.7385	0.6025	0.2855	0.4285	0.5715	0.5845	0.5025	0.1995	1.4945	0.4715	0.7575	0.0705	0.0545	-0.4665	-0.2525	-0.9985	1.1345	-0.3905	-0.2105
0.3345	-0.7475	-0.4055	0.2795	0.3575	0.3085	-0.1215	0.3875	-0.2385	0.0715	-0.1845	0.3645	-0.1405	0.1695	0.7095	0.4575	-0.3675	-0.0805	0.0945	0.6215	0.4465	0.0355	-0.3335	-0.0005	0.2125	0.0005	-0.5425	-0.6225	-0.2445	-0.1275
1.3795	-0.8715	1.9345	-0.0915	0.4655	-0.1085	-0.4715	1.0395	-0.8755	0.0525	0.5095	1.1475	0.0985	0.1605	0.5765	1.2985	-0.2445	0.7945	1.3205	-0.1735	0.5385	0.0795	0.4705	0.4055	-0.1515	0.8025	0.1485	0.0515	0.3565	-0.3375
-0.656	0.02	0.508	0.071	0.139	0.101	-1.005	-0.449	0.302	0.534	0.284	-0.461	0.453	-0.003	0.632	-0.165	-0.002	0.148	-0.07	-0.224	0.082	-0.669	0.402	0.454	0.133	0.424	-0.306	-0.617	-0.007	-0.231
-0.6455	-0.3965	-1.0845	-0.2265	0.3455	0.2045	-0.5135	0.0295	-0.9685	-0.9245	0.3335	-0.4745	-0.3225	-0.0855	-0.2765	0.2245	-0.4325	-0.0375	-0.2525	-0.1615	-0.0055	0.1955	-0.3845	0.0055	-0.2605	-0.2755	-1.1385	-1.0165	-0.1175	-0.1445
0.769	-0.239	0.517	1.292	0.358	0.781	0.629	0.69	1.169	0.337	-0.116	-0.99	0.229	0.514	1.536	1.564	0.284	1.642	0.497	1.157	0.07	0.188	0.471	-0.425	0.281	0.182	1.333	-0.528	-0.302	0.309
-0.215	-0.68	-0.778	-0.62	-0.655	-0.353	0.329	0.051	-0.055	-0.381	-1.257	-0.312	0.381	0.202	-0.009	-0.999	1.553	1.432	0.235	0.164	0.518	0.12	0.181	1.112	-0.552	-0.195	-1.532	-1.361	-0.124	-0.527
0.128	1.349	0.229	1	1.127	0.311	-0.03	-0.995	-0.781	0.103	0.873	0.04	-1.375	0.134	0.439	-0.22	-0.422	-0.108	-0.088	-0.122	-0.883	-0.592	-0.904	-1.342	-1.216	-0.43	0.773	-1.298	-0.018	-0.264
-1.5665	-1.1335	-2.2925	-0.3535	-1.3295	-0.3795	-0.0495	-0.7175	-2.2265	-1.7525	-1.9325	-0.5925	-0.6095	-0.9885	-0.6005	-1.4115	-0.6545	-0.5685	-0.9545	-0.6975	-0.7485	-1.8195	-2.1965	0.2715	-0.8825	-0.4635	-0.0045	-1.2585	0.1485	-0.0845

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-7055 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-7035 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-7037 BASAL	UB-100 BASAL	PB341-LN BASAL	BR88-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
1.3575	2.4355	2.8805	3.3105	3.1945	3.2555	2.8315	2.8135	1.0605	3.0475	4.7355	2.0375	2.0225	0.1685	-0.0255	1.8635	2.5125	2.4745	1.7525	3.0655	3.9315	3.5085	0.2845	0.7605	0.0595	0.1315	0.8365	-0.4965	-0.1145	0.0965
-0.0045	0.4735	0.2185	0.0395	0.4495	-0.4045	1.1025	0.4535	1.0695	0.6045	0.3895	0.6625	0.0655	0.9195	0.4605	0.6105	-0.5455	-0.9115	-0.1485	-0.8525	-0.2115	0.0625	-0.7875	-0.8155	0.3045	-1.3445	-2.0885	-1.8455	-0.6885	-0.5765
-0.5195	0.0175	0.0205	-0.6195	-1.1645	0.2985	0.9015	-1.9615	-1.3295	-1.2775	-0.0905	0.4045	-1.3415	0.1495	0.8365	0.8405	-1.6795	0.5715	-0.0335	-0.6155	0.4755	-1.7835	-0.5895	-0.2385	0.3465	0.1785	0.8405	-0.1465	0.8005	0.7405
-1.2295	-1.6585	-2.3385	-0.9545	-1.2025	-0.2305	-0.9875	-0.4605	-0.4125	-0.9285	-2.2735	-1.1665	-0.6665	-0.3895	-1.1785	-1.3745	-0.6155	-1.1925	-0.2675	0.0805	-1.0645	-1.0465	-1.6345	0.6315	0.7965	-0.2605	-0.6295	-1.4275	-0.8985	0.3045
-0.979	-0.922	-0.741	-1.02	0.686	-1.317	-0.105	-1.971	-0.914	-0.232	-0.392	-0.291	-1.509	0.598	-0.852	-1.762	0.005	-0.642	-0.688	-1.315	-0.882	-2.577	-2.922	-1.763	-2.387	-1.49	-0.513	-1.271	-1.837	-1.178
-1.0125	-0.6225	-1.0105	-0.5665	-0.1295	-0.0655	0.2245	-0.1115	-0.2055	-0.2195	-0.7755	-0.2285	0.1345	-1.2745	-0.7485	-1.1855	-0.3015	-0.8315	-0.2745	-0.5015	0.8395	0.0735	-0.1935	-0.0115	-0.0875	0.0445	-0.2585	-0.0315	0.0205	0.0585
-1.6465	-1.7095	-0.9185	-2.2615	-2.4955	-0.8475	-0.7245	-0.3185	-1.4085	-1.0215	-1.2625	-2.3195	-2.4025	-0.9285	-0.9915	-0.4385	1.9585	-0.7515	-1.4115	-0.5595	-0.9285	-2.5425	-1.2445	-0.5195	-0.6515	0.2995	-1.1985	-1.2315	-0.1785	-1.2445
0.916	-0.106	-0.397	0.669	-0.288	0.451	1.189	0.741	0.104	0.12	0.045	0.139	0.739	1.872	0.996	0.593	0.2	1.723	0.131	0.105	0.648	-0.328	0.458	-0.33	-0.823	-0.128	0.099	-1.473	-0.257	-0.804
-0.9335	-6.0925	-2.2575	-4.9245	-4.8675	-2.9705	-4.8415	-4.4375	-2.1665	-5.3445	-5.3665	-2.5185	-1.8955	-2.5445	-2.0595	-1.9855	-2.7215	0.2665	-2.9125	-3.0325	-5.0925	-3.7125	-2.2715	-0.5695	-1.4765	-0.7085	-1.2055	-1.5665	-0.1965	-1.2655
-0.593	-0.545	-0.651	0.255	-0.611	0.149	-0.187	-0.052	-0.152	-2.258	-0.321	1.533	1.075	0.488	0.404	-0.255	0.598	0.159	-0.156	-0.03	-0.222	0.239	-0.843	0.158	-0.371	-0.018	0.367	-0.308	0.154	0.004
0.0845	0.4435	0.6515	0.2815	0.8525	0.5205	0.0465	0.8435	0.2015	0.8625	2.1415	-0.0185	0.2045	0.2585	0.6675	1.7025	0.2045	0.2145	0.0095	0.3505	0.6295	0.3135	1.1715	-0.2645	0.0475	0.0795	0.3415	-0.0805	0.2815	0.7095
0.6525	0.1225	0.6295	-0.0355	-0.2955	-0.1065	-0.1035	0.1355	-0.4735	-0.8085	0.0925	-0.0985	-0.1745	1.3155	-0.5985	-0.8775	-0.1775	-0.1005	-0.1425	0.4415	0.3755	0.2855	0.4135	-0.0395	-0.0885	0.4895	-0.7225	-0.7805	-0.2625	0.3115
0.3005	0.2495	0.8085	0.9615	1.7405	0.8485	1.5535	0.7345	1.1665	0.2855	1.0645	1.0905	0.2765	1.6565	0.7165	2.0965	1.3165	1.3745	0.7395	0.4065	0.9435	2.1565	1.0055	-0.6985	-1.1785	-0.6165	-0.2535	-0.5335	-0.1415	-0.8135
-0.0405	-0.5975	0.2095	0.0035	-0.2235	0.0165	-0.0575	0.4335	0.1745	0.4945	0.5295	-0.5545	-0.3845	0.1725	0.4685	0.5685	-0.0035	0.2215	0.3985	0.7335	-0.3455	0.7385	-0.1545	-0.1135	0.1155	0.2725	-0.4505	0.1655	0.4375	-0.1185
0.7615	0.3615	-0.2415	0.8075	0.6245	-0.1905	-0.0815	0.5515	0.3405	0.7515	0.2635	-0.1695	0.9385	0.8425	0.7225	-0.0205	-0.1425	-0.0895	0.2425	0.0655	0.7345	0.8655	-0.1585	-0.0105	-0.0345	0.2265	0.8325	-0.5245	-0.4135	-0.0475
0.739	1.236	0.438	0.984	1.612	0.241	2.412	0.916	1.493	1.753	1.415	0.592	0.499	0.826	1.57	1.01	-0.298	1.355	1.318	-0.14	0.305	2.277	2.235	-1.346	-1.197	-0.064	-0.754	-0.868	-0.9	-1.469
0.345	-0.023	-0.083	-0.144	-2.313	-0.107	-0.455	-0.982	-1.02	-0.282	0.093	0.264	-0.903	-0.5	-0.736	-0.079	-1.828	0.14	-0.155	-0.701	-1.264	-1.464	-1.16	-1.821	-1.806	-0.81	-0.053	-1.849	-0.632	-1.181
-0.1765	-0.0265	0.0455	0.0065	-0.0795	-0.2735	0.2785	0.0595	-0.0465	-0.5335	0.0285	0.4425	0.0875	-0.0045	0.2675	-0.3525	-0.2665	0.3205	0.2265	0.5575	0.2505	-0.2275	-1.1285	0.1865	-0.0815	0.0305	-0.0955	0.1905	0.2235	0.4985
1.745	-0.516	0.101	-0.537	-2.938	-0.01	0.351	-0.764	0.808	-1.254	-0.047	0.01	2.537	-0.114	-1.929	-3.163	-0.099	-0.829	0.632	-0.863	-1.792	-1.215	-0.02	-1.168	-2.127	-1.551	1.384	-0.607	0.565	0.63
1.766	3.194	-0.748	1.841	5.097	4.824	2.666	1.666	0.536	3.972	7.007	-0.83	3.775	1.449	0.827	1.461	2.128	6.986	2.694	2.26	1.542	1.831	1.428	0.128	2.554	4.909	2.739	0.932	2.004	1.766
0.409	-0.262	0.211	0.638	0.327	0.101	-0.097	0.237	0.313	-0.223	-0.196	-0.439	0.007	-0.028	0.431	0.116	0.37	-0.353	-0.15	0.007	-0.223	-0.439	0.027	-0.798	-0.304	1.147	0.337	-0.04	-0.522	-0.536
-0.429	-0.254	0.388	0.524	0.506	0.089	0.685	0.356	0.347	-0.281	-0.632	0.66	-0.18	0.608	-0.822	-0.788	-0.342	0.423	0.13	-0.209	-0.299	-1.349	-1.586	-0.998	-1.595	-0.77	0.796	-1.53	-1.443	-0.864
0.783	0.096	0.904	0.777	1.19	1.147	0.288	-0.275	-0.77	0.233	0.778	-0.282	-0.861	-0.211	-0.094	0.111	-0.214	-0.602	-0.371	-0.101	0.113	0.166	0.138	0.134	-0.052	0.396	0.626	-0.002	0.858	0.724
-0.339	0.301	-1.616	-0.002	1.051	0.324	1.543	0.828	0.535	0.59	-0.18	0.954	-0.104	0.294	-0.344	0.373	-0.92	-0.381	0.421	0.872	0.853	1.626	-1.088	-0.612	-1.069	-0.554	-1.116	-0.241	-0.568	-1.138
0.968	0.546	-0.508	-0.202	0.18	0.464	-0.172	-0.354	-0.557	-0.308	-0.187	0.71	-0.227	-0.236	-0.313	0.34	-0.252	-0.373	-0.311	0.166	0.069	0.232	-0.134	-0.016	0.116	0.116	0.226	0.151	-0.248	0.247
3.3085	1.6895	-0.8095	-1.1405	-1.1705	-0.8485	0.0855	-0.0685	0.5715	-0.5805	0.9685	0.0825	0.5645	-0.7535	0.8035	-1.1705	-0.1455	-0.1015	0.7015	-0.3145	-1.5025	0.9185	0.3195	0.0875	0.2685	0.1755	3.1305	0.8965	2.5415	1.7495
0.4745	0.9145	-1.4835	0.9955	0.4535	0.3045	2.2125	1.4445	0.0205	0.8265	-0.4175	1.4305	1.5955	0.6685	0.5075	1.4365	0.4965	1.3795	0.0045	1.2255	0.0475	1.3025	-0.4365	-0.2575	-0.0505	-0.3755	-0.7035	-1.5155	-0.9985	-0.6415
-1.051	-0.812	-0.542	-0.539	-1.076	-0.936	-0.634	-0.208	0.225	-0.888	-0.04	-0.927	0.388	-0.052	0.088	-0.771	2.007	1	-0.128	0.198	-0.146	-0.401	2.376	1.03	0.87	0.31	-0.005	-0.198	0.38	-0.188
0.072	0.657	1.21	0.346	0.085	1.31	1.569	0.533	0.121	0.243	0.478	1.7	0.984	0.851	1.331	0.828	1.085	2.284	1.004	1.378	0.118	0.533	-0.401	-0.758	-0.598	-0.334	-0.796	-2.372	-1.379	-1.014
1.273	0.182	1.558	1.888	0.782	1.19	1.015	1.075	1.522	-0.404	0.71	0.374	0.733	2.079	0.58	2.337	1.347	1.705	1.742	0.48	0.432	3.059	0.875	-0.972	-1.499	-0.541	-0.21	-2.167	-0.925	-1.437
0.876	0.616	0.868	1.467	0.119	1.307	0.237	1.367	1.767	0.774	0.742	1.759	1.437	0.957	1.657	0.517	1.117	2.37	1.145	-0.443	0.614	2.177	2.428	-1.068	-0.983	0.645	0.127	-0.253	-0.648	-0.803
0.305	-0.188	0.914	0.064	0.543	0.688	1.403	1.723	0.791	0.244	1.783	1.25	0.748	1.034	1.504	1.11	1.302	1.504	1.428	0.714	0.616	0.675	0.839	0.111	-0.009	0.353	0.559	0.672	0.399	0.295
0.2485	0.1695	0.3105	0.4435	1.1105	1.6875	0.5735	0.4805	0.3225	0.7105	1.1705	-0.7555	0.4845	-0.3945	0.5835	0.9165	-0.0715	0.4955	0.3705	0.1805	-0.0805	-0.0795	1.5035	0.1365	0.4635	0.4955	0.7015	0.3815	1.3255	0.6055
-2.6345	-3.0205	-1.3835	-1.5475	-2.5625	-0.8975	-2.6135	-0.6605	-1.2965	-2.7065	-1.8425	-1.7295	-0.8225	-2.5155	-2.5365	-2.7525	-2.4105	-0.9865	-1.6865	-0.7855	-2.2675	-3.0155	-1.9375	-0.8495	-2.1345	0.1985	-1.0095	-1.2495	-0.8605	-1.8815
-0.286	-0.318	-0.47	-0.335	-0.513	-0.251	-0.924	-0.352	-0.652	-0.148	0.013	-0.685	-0.145	0.077	0.375	0.349	-0.119	-0.474	-0.328	-0.28	0.385	-1.051	0.408	0.817	0.956	0.515	-0.621	-0.407	0.192	-0.358
-0.281	-0.809	-1.176	-0.42	-0.144	-0.331	0.178	0.07	0.096	0.23	-0.467	0.828	0.307	0.218	0.331	-0.112	0.901	0.267	-0.016	0.351	0.25	-0.236	-0.162	-0.342	-0.492	-0.509	0.54	0.079	0.125	-0.116
-0.0925	-0.9165	-0.6665	0.0225	-0.0665	0.7205	0.4135	-0.1995	-0.0435	-0.0845	0.3585	-0.3785	-0.6475	-0.1885	0.0645	1.8865	-0.9525	0.7415	-0.1015	0.3515	1.3345	-0.8905	-0.0045	0.1975	-0.0815	0.1195	0.2265	-0.6575	-0.1075	-0.3615
0.544	-0.878	0.651	-0.531	-0.346	0.201	-1.213	-0.648	0.044	0.602	-0.534	-1.188	-0.824	0.751	-0.09	-1.063	0.1	-0.866	-0.291	-0.464	-0.296	0.116	-0.157	0.249	-0.518	0.084	-0.144	-0.373	-0.103	-0.397
0.317	-0.473	-0.38	0.317	-0.168	0.524	0.264	-0.036	0.171	-0.186	-0.537	1.065	0.612	-0.146	-0.334	0.985	0.105	0.485	0.655	1.217	0.018	0.555	-0.42	-0.337	-0.089	-0.101	0.114	0.194	0.368	0.064
-0.825	-0.769	-1.088	-0.142	-0.316	0.135	-0.669	-0.272	0.098	-0.298	-0.667	-0.448	1.166	-0.094	-0.578	-0.537	-0.062	-0.623	0.561	0.182	0.202	-1.101	0.245	-0.486	-0.543	-1.056	-0.175	-0.186	-0.32	0.542
-0.712	1.11	-1.621	1.656	1.375	0.38	1.939	0.41	0.578	-1.111	-1.164	2.599	0.124	-0.1	0.835	-1.549	0.429	-2.266	0.031	0.198	-2.69	-0.932	-3.118	-0.224	0.169	-0.292	-0.108	-0.754	-0.805	0.166
0.1205	-0.4925	-0.7655	0.3275	0.1605	0.1685	0.1585	-0.3715	-0.7065	-0.7535	-0.8025	-0.8835	-0.2665	-0.6985	-0.8565	-1.7455	0.2055	-0.9485	-0.2925	-0.3155	-0.4075	-0.2815	-0.3465	0.1525	0.0135	-0.0855	0.0005	0.3645	-0.2225	0.2855
0.04	-0.321	-0.486	0.7	-0.877	0.11	-0.171	0.52	-0.133	-0.425	-0.33	0.238	0.895	1.797	0.529	0.038	2.282	1.696	0.605	0.669	0.251	-0.173	1.584	0.205	-0.656	-0.01	0.957	-0.242	0.39	0.252
0.9455	-0.7715	-0.8625	-0.7895	-0.5035	-0.1865	-0.0825	-0.0145	-0.2005	-0.4135	0.6075	-0.5115	-0.4785	0.2815	-0.1355	2.3135	-0.0535	-0.1075	-0.0515	0.2145	-0.3995	-0.4325	0.7055	-0.0825	0.0805	-0.4245	-0.4955	0.1495	-0.3155	-0.0705
-0.9915	-2.1705	-0.5975	0.6375	-0.9165	-1.0175	-0.8025	-0.2195	-1.3135	-1.3135	-1.0995	0.0205	0.2285	-0.6925	-1.3695	-0.3235	-0.5405	0.3615	-0.6215	-0.6395	-0.6555	-1.3825	-1.4615	-1.3515	-1.8585	-0.8005	0.4695	-2.1335	-0.6575	-1.0035
0.521	1.212	0.229	1.14	-0.541	0.601	0.333	-0.177	0.158	0.154	0.958	-0.26	0.116	-0.379	0.202	0.023	-0.396	0.207	0.498	0.227	-0.369	0.83	0.354	0.642	0.741	-0.042	1.512	1.043	0.604	0.995
0.1625	1.0625	0.4265	-0.4085	0.8245	0.8555	1.3335	0.6185	-0.7625	0.4455	0.6765	0.6115	-0.0635	0.1275	0.5215	0.2015	0.0705	0.9775	0.6835	0.6815	0.3265	0.0225	-0.2205	-0.3825	-0.8775	0.1855	0.1875	-0.8025	-0.2085	-0.3105
-0.123	-0.347	-0.904	-0.444	0.944	-0.781	-0.517	-0.54	0.24	0.19	0.178	-1.214	-0.3	-0.364	0.405	-0.275	-0.491	0.088	-0.208	-0.428	-0.256	-0.646	0.126	0.061	0.423	0.216	-0.215	-0.646	-0.313	-0.251
0	1.018	1.265	0.479	0.338	0.199	0.372	0.856	-0.021	0.113	0.839	1.019	1.45	1.092	1.051	2.506	0.85	0.599	-0.158	1.141	0.951	1.695	0.302	-1.123	-1.062	-0.723	-0.417	-1.148	-1.252	-1.04
0.3295	-2.4265	-0.6725	-0.4965	1.3465	1.6675	-1.1605	-1.3265	-0.6535	-1.4685	-0.8205	3.1395	-0.6525	0.8105	-1.1035	-1.6375	-1.7535	-2.2415	-0.0455	0.7205	-1.6465	-0.6745	-1.6945	1.5725	2.6195	1.2895	1.2295	0.9805	-0.0855	0.4835
-0.3835	-0.1635	-0.5325	-0.4005	0.0685	-0.0675	0.3585	0.5325	0.4585	-0.0165	0.1265	0.6125	0.5655	0.7795	1.4815	0.1465	-0.2585	0.0285	0.0805	0.1815	0.1775	-0.9405	0.1425	-0.5595	-0.3445	-0.7015	0.1315	-0.3045	-0.1035	-0.1605
-0.3185	-0.6325	0.4795	1.1045	1.0085	0.5535	1.2615	1.3535	1.5145	0.5725	0.7945	1.3125	1.1395	1.3185	0.9145	1.8495	0.4995	1.7415	0.5355	0.6475	-0.6245	0.6255	1.1945	-1.1075	-0.7455	0.2685	0.1145	-0.3625	-0.5515	-0.8795
0.432	-0.703	0.041	0.068	-0.687	0.348	0.064	-0.398	0.669	0.18	0.781	0.084	-0.497	0.898	0.17	0.822	-0.549	0.176	0.243	-0.081	0.487	0.402	0.444	0.257	0.028	0.037	0.36	-0.249	-0.517	-0.463
1.422	-0.466	1.843	0.639	-0.264	0.462	2.585	3.676	1.256	1.047	1.952	2.624	2.003	1.339	-1.376	1.581	1.013	0.377	0.274	2.032	1.348	1.274	2.284	-0.704	-0.342	0.685	-0.543	-1.075	0.125	-0.643
-0.59	0.838	-0.127	-0.5	-0.063	0.133	-0.745	-0.758	-0.355	-0.812	-0.001	-1.602	-0.294	0.441	-1.273	-1.203	-0.316	-1.768	-1.14	-0.165	1.202	-1.351	-0.544	0.167	0.361	-0.001	0.105	0.708	0.846	-0.378
-0.5705	-0.7915	-1.6165	-1.1555	-1.8275	-1.3585	-1.1825	-0.9625	-0.8165	-1.2725	-0.9325	-0.6665	-1.7265	-1.2725	-1.2725	-2.0165	-0.5185	-0.1195	-0.5505	-1.0935	-1.2445	-1.4095	-0.9795	-0.7025	-0.8305	-0.0395	-2.2505	-0.6245	-0.0375	-0.9205
0.618	0.38	1.062	1.861	-0.521	0.601	0.642	-0.062	-0.46	-0.17	0.571	1.009	0.821	2.552	0.448	-0.415	1.886	-0.403	0.139	0.884	-0.015	0.42	0.437	0.315	0.182	0.118	1.296	-0.505	0.587	0.905
-0.8075	0.6635	-0.1425	0.0035	-0.8485	-0.0725	-0.0475	0.6215	0.4515	0.0045	0.0355	0.2125	0.1305	-0.0115	1.2085	1.8675	0.1265	0.6195	0.1805	-0.3565	0.2245	-0.3745	-0.4495	-0.1245	0.1735	-0.4615	-1.1135	-0.2435	-0.2555	0.0265
0.8595	-0.6145	0.3945	-0.7765	-0.7315	-0.1405	-0.5195	0.4185	-0.6685	-1.0885	-0.8915	0.5475	1.3785	1.3365	0.1725	0.7095	1.6375	0.7215	1.0205	1.1345	-0.4075	0.8495	-0.0295	-0.4715	-0.7035	-0.0445	-0.3455	-1.6065	-1.1325	-0.6235
-0.8825	1.0025	-0.3475	0.6675	0.7015	0.7235	0.3895	-0.1325	0.2065	0.0155	0.9065	1.2415	0.7195	-0.0645	0.4965	-0.5545	0.2755	-0.4775	-0.1335	-0.1445	0.5675	0.1795	0.2985	-0.6535	0.1165	-0.1745	-0.3665	0.2225	0.0565	0.2725
0.0175	-0.2915	-1.3285	-0.3655	0.0555	-0.1675	-0.2665	-0.4605	-0.5065	-0.5865	-0.7655	-0.4315	-0.9055	-0.1565	-0.6355	-0.5115	-1.0295	-0.6415	-0.6565	-0.0335	-0.1985	-1.3305	-1.0595	-0.0705	-0.3265	-0.0315	-0.4805	-0.0595	-0.1355	-0.1945
-0.5845	-0.3515	-0.9165	-0.9345	-0.4885	-0.0605	-0.9695	-0.6415	-0.2415	-0.5315	-0.0525	0.0235	-0.0715	-0.7215	-1.0565	-0.1085	0.0115	-0.5285	-0.0245	-0.4845	-0.1345	-0.1455	-0.6505	-0.3495	-0.6065	0.0255	-0.2035	0.0375	-0.7175	-0.6075
0.2985	0.3425	-0.4365	0.1465	-0.0945	0.6485	0.4525	0.1325	-0.1965	0.3325	0.8255	-0.4935	-0.6575	-0.0675	0.5145	-0.5415	0.1165	0.4755	-0.4395	0.1005	0.4755	0.5225	0.2815	0.1245	0.4945	0.4385	0.1545	-0.4965	0.6265	0.6335
0.1715	-0.4125	-0.5705	0.0325	-0.4065	1.4975	0.8825	0.4995	-0.0515	-0.7515	0.1485	0.0345	-0.1095	-0.5235	1.4755	1.7605	-0.3495	0.1925	0.3235	0.6075	-0.7015	0.2095	0.1605	-0.5885	0.1085	-0.5175	1.2175	0.0545	-0.1265	-0.6045
-1.5555	-1.8915	-2.4205	-1.3705	1.0415	-2.0105	1.2245	-0.8575	-0.0235	-1.0945	-1.1065	1.1345	-0.7185	0.1075	-0.9875	-2.2695	-1.2365	-1.3515	-0.6965	-1.8815	-0.7095	-0.1955	-0.3455	-0.5585	-0.6555	-1.1085	-0.1445	-0.0855	-0.2855	-1.2325
0.1095	-0.4455	-0.4425	0.0495	-0.3805	0.7635	0.4395	0.9875	-0.0775	0.0795	0.4245	1.3655	0.6085	0.6825	0.1745	1.5635	0.4825	-0.5675	-0.2665	-0.1215	0.7385	-0.0765	0.6015	0.3685	-0.0755	0.5815	-0.0335	0.1255	-0.2145	-0.1665
-0.3215	0.2755	0.4095	0.7615	0.1845	0.0085	0.1435	0.2705	0.4225	0.3405	0.3705	0.0275	-0.3545	0.1505	0.6165	1.0175	0.1675	0.8015	0.4045	0.0985	-0.3015	1.3935	0.2055	-0.6345	-0.7105	-0.3755	3.0835	-0.2945	0.2135	-0.1385
0.7215	-0.4125	0.4015	0.7365	0.5615	0.6055	0.0205	-0.2725	-0.5685	0.5395	0.9705	-0.0765	-0.1855	-0.0525	-0.1845	0.6715	0.4675	-0.2095	-0.1585	-0.2845	0.6995	0.4805	0.4785	0.2245	-0.0555	0.0065	0.3305	-0.7445	0.6375	0.6405
0.357	-0.517	-1.397	-1.503	-1.307	-0.397	0.137	-0.49	0.014	-0.6	-0.184	-0.522	-0.632	-0.34	0.177	-0.636	-1.677	-0.267	-0.283	-1.496	0.602	-0.412	-0.72	0.458	0.992	-0.296	0.534	-0.028	0.539	0.63
-1.922	-3.096	-2.805	-0.747	-3.628	-1.54	-2.868	-2.295	-1.904	-3.424	-4.381	-1.192	-1.459	-2.019	-1.447	-3.388	-3.286	-1.711	-1.009	-2.386	-3.703	-1.673	-2.591	-1.074	-0.925	-1.175	0.755	-0.682	0.781	-0.985
-0.9275	-1.1245	-0.4545	-0.8095	0.0545	0.0005	0.0895	0.3125	0.2915	-0.4705	-0.2995	-0.2695	-0.3575	-0.3655	0.5355	0.3465	-0.0625	1.0995	0.1675	0.7475	-0.0355	-0.1345	-0.4115	-0.0225	0.1235	-0.0375	-0.2845	-1.0875	0.0175	-0.5475
1.6495	-0.3495	0.7675	0.6985	0.4555	0.9545	0.7885	0.3925	0.0245	-0.4945	0.9085	0.4315	0.3895	0.5665	0.5335	1.2935	1.5435	2.0005	0.9865	-0.0675	-0.2385	0.2675	0.4465	-1.4235	-0.6665	-0.7465	0.9125	-0.3625	-0.1165	0.0095
-0.071	0.139	0.056	-0.567	0.815	-0.587	0.353	0.54	0.193	-0.364	0.103	0.48	0.543	0.628	0.547	-0.32	-0.259	0.4	0.217	-0.537	0.724	0.666	1.073	-0.349	0.338	0.297	-0.365	0.537	0.837	0.397
1.66	0.596	0.21	0.036	0.548	0.42	-0.644	0.465	0.796	1.547	2.374	0.074	0.082	0.402	0.55	1.206	-0.449	1.496	-0.403	0.273	0.383	1.122	1.426	-1.129	-1.161	-0.406	-0.392	-0.976	-0.824	-0.517
0.692	0.226	0.294	0.682	-0.019	-0.161	-0.141	0.482	0.277	-0.199	0.629	0.928	-0.031	0.538	0.348	1.279	0.602	0.3	0.085	0.592	0.684	0.252	0.433	-0.917	-0.747	-0.202	0.068	0.048	0.052	-0.123

WO 2007/061876 PCT/US2006/044737

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-028 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-0.0975	0.1195	-0.1125	0.7675	-0.1435	0.0985	-0.2055	0.0285	-0.0515	0.1255	0.2445	-0.2775	1.1585	0.1155	0.0135	0.0175	-0.5805	-0.2495	0.0205	-0.2895	-0.4335	3.3175	-0.1385	0.3115	0.1005	-0.0405	0.4285	0.3455	-0.1615	-0.1115
0.409	0.978	0.434	0.527	0.057	-0.027	-0.206	-0.229	-0.864	-0.035	0.168	0.536	0.01	0.793	0.685	-0.028	1.458	1.512	0.381	1.797	1.348	1.716	0.392	-0.958	-0.376	-1.201	-1.55	-2.001	-0.91	-0.509
1.741	1.021	-1.255	-1.262	-2.844	0.015	-1.387	-1.3	0.305	-2.095	-1.143	-1.646	0.074	-1.314	-0.871	-1.938	-2.55	-2.433	-0.799	0.16	-0.74	-0.724	-0.91	0.36	-0.209	-0.015	-0.614	-0.578	-1.042	-0.37
0.524	0.239	0.592	-0.215	0.924	2.095	0.008	-0.272	-0.006	-0.229	-0.133	0.066	-0.206	1.162	-0.267	0.001	0.566	-0.229	-0.131	1.04	0.818	0.446	-0.513	-1.075	-0.939	-0.314	-0.2	-0.982	-0.397	-1.272
0.38	0.628	0.126	0.579	1.105	0.166	-0.458	-0.421	0.156	-0.127	0.417	-0.931	0.375	0.666	2.13	1.258	0.094	-0.28	0.19	-0.35	-0.375	-0.464	0.268	0.134	0.077	0.604	-0.151	0.104	0.243	0.019
-0.073	-0.119	0.457	0.416	-0.509	-0.365	-0.403	0.028	-2.541	-0.893	-1.06	0.213	-1.28	0.11	-1.331	-1.793	-0.273	-0.427	-0.799	-0.201	-0.289	-1.357	-1.418	-1.149	-1.833	-0.015	-1.262	-2.534	-0.169	-0.789
-1.694	-0.606	-2.204	-1.51	0.309	0.335	0.138	-1.086	-1.542	0.552	0.609	-2.365	-1.777	-1.774	0.119	-0.833	2.106	-0.56	-0.441	-0.712	-0.378	-0.486	0.272	-0.898	-0.789	-0.573	0.378	-1.309	0.598	-0.77
0.193	0.074	-0.503	-0.168	-0.547	-0.374	-0.175	-0.194	-0.796	-0.674	-0.354	0.235	-0.112	0.174	-0.359	-0.528	-0.298	0.114	0.03	0.665	-0.147	-0.238	-0.547	-0.177	1.255	1.324	-0.15	0.142	0.294	0.128
0.646	0.35	0.664	0.614	0.339	0.902	0.51	-0.035	-0.002	-0.198	0.753	1.152	1.2	0.52	0.616	0.894	0.856	1.089	1.565	0.739	-0.334	1.503	-0.511	-0.362	-0.223	0.037	0.231	1.023	-0.028	-0.173
0.2805	-0.0975	0.5105	0.3545	1.2485	1.3065	0.4165	-0.4845	-0.3245	-0.0795	0.6085	0.4745	-0.4475	0.5525	-0.0035	0.3175	0.4585	-0.2925	0.2895	0.4585	1.2955	0.2325	-0.2665	-1.2915	-1.0975	-0.7855	-0.8815	-1.6515	-0.9605	-0.6795
-1.667	-1.125	0.145	0.616	-0.188	-0.011	-0.404	0.731	-0.372	-0.368	-0.126	0.054	0.034	0.175	0.437	0.46	0.997	1.601	0.588	1.148	0.235	0.291	0.169	-0.463	0.14	0.142	-2.432	-0.466	-0.46	-0.213
0.079	0.678	0.683	0.262	0.342	0.238	-0.112	0.489	-0.118	-0.139	0.207	0.635	0.732	0.043	0.409	0.328	0.395	0.676	0.366	-0.139	-0.296	-0.563	-0.741	-0.307	-0.753	-0.216	0.265	-0.71	-0.037	-0.455
-0.1455	0.0965	0.5315	-0.0475	1.2285	0.7925	0.6065	-0.0355	-0.7855	-0.5155	0.0525	0.6515	-0.2355	-0.6975	0.3635	0.7705	-0.2035	1.3205	-0.0775	0.4745	0.0605	0.1715	-0.6455	-1.2285	-1.1945	-0.7975	0.2835	-0.0545	-0.1495	-0.1015
0.745	1.583	0.838	-0.128	0.734	0.132	0.606	-0.631	-0.171	-0.434	0.225	-0.192	-0.346	0.007	-0.617	0.236	0.048	0.702	-0.335	0.507	0.084	0.309	-0.051	-0.165	-0.78	-0.75	-0.205	-0.485	0.5	-0.201
-1.8765	-0.4805	-0.8125	-0.7265	-0.5155	-0.3165	0.4965	-0.4665	-0.9125	-0.4105	0.2675	-1.7975	-1.0165	-0.9765	-0.9125	-1.3455	-0.3045	-2.0265	-1.1035	-0.1195	-0.1305	-0.8355	-1.5905	0.1545	0.2055	0.4425	0.0185	-1.1405	0.2975	-0.0925
-0.3335	-0.2205	-0.0265	-0.4005	-0.3765	0.0265	-0.4035	-1.0495	-0.3745	0.1705	-0.7305	-1.2975	-0.8145	-0.5195	-0.0335	-0.3355	-0.2545	-1.2325	-0.1875	-0.6955	0.1485	-0.7185	-0.7445	0.6245	1.2915	0.4815	-1.3285	-0.1835	0.1365	0.2075
-0.1465	-0.7515	-0.7165	-1.1435	-0.3605	0.3585	-0.7835	0.0615	0.0485	-0.3915	-0.3665	-0.8805	-1.5385	-0.0215	1.3655	0.2375	-0.4905	-1.1655	-0.6785	-0.2375	0.2945	-0.0655	-0.0435	-0.7385	-0.8965	-0.7105	-1.8825	-1.2055	-0.4255	-0.4035
-2.4065	-0.2005	0.0975	0.2905	-0.2665	-1.0605	0.4015	-0.9135	-2.1155	0.0615	1.2615	0.5355	-0.1175	0.9955	0.3385	0.5005	-0.7785	0.7055	-0.0715	-1.6565	1.1135	0.0075	-2.4555	-0.0925	0.3085	0.0175	0.1575	0.3705	0.9635	0.8775
-1.7105	-1.6825	-1.0255	-1.1945	-0.5075	-0.0685	0.1115	-0.0085	0.0135	-1.3605	-1.1255	-2.1065	-0.9245	-0.7855	0.1695	-0.2095	-1.6995	-1.0345	-0.3195	-0.2145	1.2185	-1.0065	-0.7305	-0.0885	-0.1475	-0.1095	0.1575	-0.2715	0.3915	-0.2215
-1.994	-1.495	-0.144	-1.29	-1.892	-0.615	-1.53	0.649	-0.693	-0.253	0.919	-2.107	-0.345	-1.214	-0.827	-1.625	-0.29	-1.087	-0.578	-0.581	-0.81	-1.805	-0.957	0.217	-0.279	-0.547	-1.415	-1.039	-0.28	0.09
-0.0485	-0.5085	-1.1155	-0.0005	0.1625	-0.0855	0.6635	-0.2165	-1.4635	-0.1775	-0.5625	-0.1665	-0.8135	0.5615	-1.0675	-0.6255	-0.4235	-0.1755	-0.7545	0.0095	0.4555	0.1665	-0.9475	-0.7125	-0.6905	-1.3885	-0.5625	-1.9555	-0.2715	0.1935
1.398	-0.565	-0.137	-0.889	0.146	0.342	-0.254	-0.148	-0.711	0.269	0.241	-0.956	-0.205	1.075	0.154	-0.77	0.113	0	-0.032	0.051	0.518	1.343	0.146	0.128	-0.132	0.071	0.289	-0.535	0.345	-0.153
-0.1205	-0.0385	1.0425	0.3905	-2.2185	0.4455	-0.8475	-1.5445	0.6895	-0.3675	-2.2375	-0.1135	0.4165	0.2585	0.5125	0.0275	0.8535	1.6965	1.0615	1.5785	-0.0175	-0.4155	0.9545	-0.6605	0.0805	1.0955	-0.2235	-0.4225	-0.1725	-0.1555
-0.465	-0.963	-0.919	-0.802	-0.933	-0.608	-1.235	-0.647	0.355	0.072	-0.307	-0.238	-0.645	-0.406	-0.109	-0.909	-0.747	0.693	0.319	-0.731	0.254	0.983	0.042	-0.378	0.266	-0.094	-1.351	0.393	0.378	-0.149
0.2825	-1.9335	-0.9285	-1.7485	-1.3285	-0.1165	-1.1775	-0.3855	-0.0995	-0.2315	-0.8305	0.1955	-0.1665	-0.3075	-1.0615	0.9575	-0.1365	0.8855	-0.6085	-0.6575	-1.0825	-0.9525	-0.1665	-0.4675	-0.9705	-0.5145	-0.4275	-0.6565	-1.1255	-0.6995
0.659	1.032	0.183	0.696	1.798	0.817	1.322	0.023	0.238	-0.058	0.77	-0.059	0.366	1.079	0.178	0.653	0.095	-0.019	-0.29	0.774	1.338	0.774	0.419	-0.189	-0.189	-0.69	0.748	-1.391	-0.538	-0.252
-0.3725	1.0075	-0.9055	-0.5375	0.7805	0.0895	0.5005	0.0385	0.2185	0.8315	0.4355	-0.1675	2.3715	2.1725	-0.1885	2.2335	0.5805	-0.1375	0.2755	0.8625	-0.2185	0.0285	0.3995	-0.5535	-0.2685	-0.4275	-0.1985	0.2515	-0.1975	-0.5545
-0.611	-0.924	-0.598	-2.472	-0.177	-0.539	-0.461	-0.979	-1.196	-0.825	-0.891	-0.284	-1.205	1.767	0.147	0.175	-1.584	1.024	-0.222	-0.499	-0.393	-0.057	-0.596	-1.58	-1.406	-0.174	-0.539	-0.722	-0.516	-1.35
-0.257	-0.204	0.29	0.035	0.665	0.24	0.313	0	-0.407	-0.128	0.637	-0.403	0.431	-0.017	-0.044	0.093	0.282	0.184	0.223	0.73	0.465	-0.43	-0.402	-0.432	-0.327	0.068	-0.838	-1.51	-0.112	-0.596
-0.9255	-0.8955	-1.0185	-0.9635	-0.9315	-1.0935	-0.3745	-0.0015	0.0975	-0.1685	-1.6585	0.0205	2.8655	-0.3085	0.0995	-1.5335	0.3525	-0.1205	0.3035	-0.5275	2.4765	-0.0035	0.7495	0.8215	0.0355	0.3775	0.5245	1.1665	0.6495	1.0215
-0.4075	-0.9405	0.3945	0.1485	-0.5175	0.0585	-0.2005	0.2095	0.9765	0.0015	0.2635	0.0085	-0.2465	-0.1895	0.0895	-1.0925	-0.1115	0.9055	0.9715	1.1045	0.2435	-0.0785	0.9875	-0.0815	0.6095	0.6515	0.5515	0.6555	0.1005	0.5545
-1.7155	-3.3555	-2.1685	1.3265	0.4845	0.2315	-2.5085	-1.8495	-0.9995	-2.2385	-3.2975	-0.8205	-1.2505	-1.0085	0.0635	-1.7815	-1.3475	-2.2565	-1.0805	-0.6615	-1.5175	-1.1825	-2.0595	0.7185	-0.6735	-1.1255	-0.6605	-0.3725	-1.3285	-0.1835
2.676	2.607	0.43	1.934	1.758	1.696	3.653	2.145	2.346	2.475	0.605	1.715	0.85	0.892	-0.219	-2.711	-0.37	-0.087	0.689	2.576	2.68	2.064	-0.554	0.204	-0.068	1.565	1.03	1.153	0.464	0.432
1.0495	-0.5255	-0.3005	-1.1575	-0.4235	-0.2625	0.5455	-0.1345	-1.0015	0.3615	0.2225	-0.8275	-0.2535	0.3655	0.2735	-0.8975	0.6165	-0.1795	-0.1805	0.1015	0.6815	0.8685	0.6565	0.1495	0.4655	0.3835	0.2775	-0.6965	0.2925	0.2865
1.4335	1.4755	0.7925	1.4295	-0.6655	0.0075	0.1955	-0.4415	-0.0665	1.5525	1.5805	2.2005	1.3525	2.7405	-0.5305	-1.6865	0.8065	-0.6395	0.6635	0.1335	-1.3385	-0.2835	1.0315	1.1675	0.4585	1.0055	1.6965	1.9325	1.4015	2.1455
-6.357	-5.56	-5.652	-5.915	-6.405	-2.126	-3.692	-5.216	-5.588	-4.091	-5.001	-5.373	-5.626	-5.846	-6.446	-5.996	-5.086	-4.957	-4.488	-5.646	-7.88	-6.316	-5.078	-2.809	-3.84	-1.091	-2.586	-2.546	-0.861	-4.878
4.0205	3.3305	3.0805	2.7405	3.6305	2.0175	3.4505	2.3705	1.7285	3.9705	3.7105	2.4905	1.4695	3.4965	0.8225	3.1235	1.4475	-0.3095	3.9105	1.2785	2.5805	2.6705	3.5905	2.0705	1.8405	0.9605	1.9265	1.2995	2.5005	2.4135
-1.3905	-0.7475	-1.3155	-0.9925	-0.2685	-0.2745	-0.6465	-0.6005	-0.2535	-0.0265	-1.1195	-1.8675	-0.9775	-0.8915	-0.6225	-0.9745	-1.1985	-1.1325	-0.1285	-0.0815	-1.2775	-0.5335	-0.8995	0.1285	0.7275	-0.0125	-0.8395	1.4395	0.6325	0.0205
-0.01	1.644	1.195	0.964	2.133	0.926	0.959	0.286	0.735	1.17	0.651	0.547	0.473	1.657	1.202	0.819	1.227	0.345	0.248	0.719	0.633	1.179	-0.25	-0.448	-1.341	-0.473	0.002	-1.202	-1.304	-0.999
0.1165	-0.0905	-0.0735	-0.2675	-0.7815	0.1455	-0.2515	-0.2685	0.9595	0.1395	0.2345	-0.5765	-0.8595	-0.5095	-0.0055	-0.5525	-0.2485	-0.3215	0.0465	-0.4675	-0.0075	-0.5345	-0.4815	0.7635	0.3655	0.0065	1.1035	0.4425	1.0815	0.4965
0.5545	-0.0365	0.5665	-0.3575	-0.0205	0.6845	-0.4135	-0.2425	-1.0285	-0.2065	-0.2515	0.3845	-0.1385	0.1195	-0.0585	0.4715	0.0605	0.4415	0.4865	0.1575	-0.1855	0.7305	0.0275	-0.0595	-0.1515	-0.0485	0.3425	-1.9075	-0.3985	-0.7455
-0.6115	-0.8135	-0.4155	0.4875	-1.3615	-0.3835	-0.8135	-0.6855	-1.0585	-0.8665	-0.1665	-0.4305	-0.5545	-1.7125	-0.5975	-1.2925	-0.3565	1.1745	-0.1395	0.4635	-0.5885	0.0075	0.6535	0.1025	0.1575	1.2335	-0.0545	-1.8185	-1.1505	-0.2515
-0.8675	-2.1045	-0.9215	-0.7695	-0.8165	-0.1655	-0.5365	-0.5745	-0.8005	-0.6545	-1.7275	-1.7875	-1.3845	-0.9345	-1.5225	-0.7765	-0.4525	-0.2495	-0.5175	-0.2345	-1.6345	-1.4065	0.1025	-0.5755	-1.1395	-1.0575	-0.2205	-0.3965	-1.2115	-1.4495
1.238	-1.057	-0.697	-0.409	-0.717	1.114	2.181	1.468	1.539	1.745	1.704	0.359	0.628	-0.934	-0.135	0.634	-0.273	-0.845	0.254	1.195	1.377	0.871	0.981	1.265	1.571	0.857	0.436	1.267	1.013	0.796
-1.0195	-1.7555	-1.1795	-1.3455	-0.1115	-0.5225	0.0485	0.0855	-0.9475	-1.9035	-1.4155	0.3595	-0.5185	-0.8625	-1.2715	-0.4875	-1.0685	-0.2715	-0.3655	-0.2055	-0.4425	-0.7165	-1.7085	0.0745	0.0525	-0.3765	-0.1985	-1.1745	-0.5485	0.2275
-1.043	-1.69	-1.757	0.584	1.877	0.297	0.317	-0.788	-0.039	-0.596	0.353	2.457	-0.494	0.407	0.245	1.237	1.143	-0.073	1.01	-0.229	-1.071	-0.634	1.067	0.241	0.678	0.564	1.432	0.944	1.696	0.488
-0.018	0.721	2.166	1.242	-1.38	0.967	2.647	1.77	1.795	2.135	2.276	1.015	0.322	0.355	2.568	1.156	0.869	1.635	1.182	0.52	-0.315	-0.247	2.21	0.681	1.913	0.894	2.493	-0.094	0.756	0.868
1.0395	-0.4385	1.2775	2.1525	3.9085	1.5755	2.9535	0.2125	0.3205	0.7595	0.3175	2.7855	0.6405	0.5095	0.1105	1.2385	0.4375	-0.3765	0.2405	1.5565	0.8485	1.0835	1.0325	0.2915	0.1615	0.3485	1.3055	0.2725	0.4935	1.0675
2.2965	2.2275	0.4445	0.3575	1.9185	0.5995	-1.3705	-0.7355	-0.0085	-0.1505	-0.6835	0.7185	0.6235	1.9665	1.5555	0.4495	1.4955	0.7085	0.3165	2.8365	2.0975	2.4155	0.1175	-0.8465	-1.6615	-1.1475	-1.3925	-0.9245	-1.4165	-1.4965
2.7065	2.1775	-0.1385	0.5085	1.0275	0.6205	-1.3905	-1.0435	-0.6805	1.0215	-0.5585	-0.3665	0.7575	1.3675	1.0125	-0.5155	1.7065	0.2995	-0.1565	0.7945	1.6225	2.1485	0.3565	0.1385	-0.1225	0.3865	-0.7535	-0.0985	-0.2715	-1.0035
-0.2015	0.2985	0.9165	1.1785	-0.0215	-0.0495	-0.1715	-0.0765	0.4535	0.1295	0.1795	0.0955	1.4955	1.4565	0.7005	1.6635	-0.1695	0.2765	0.4105	0.2655	-0.3115	1.0545	0.4045	-0.1715	0.0165	-0.1935	0.3455	-0.0455	0.4815	0.1125
-0.363	0.923	-0.139	-0.003	-0.61	0.45	1.381	0.292	0.252	0.198	-0.217	0.829	0.817	-0.412	1.048	-0.734	-0.205	1.384	0.042	0.606	-0.073	0.459	-1.434	-0.198	-0.088	-0.626	0.592	-0.63	-0.258	0.063
-0.0015	-0.5685	1.6165	1.6845	1.0645	1.3625	0.9595	1.1075	0.4555	0.7625	0.8375	1.6685	1.6745	0.4155	2.6335	1.5605	1.0455	1.3765	0.8925	0.8615	1.2545	2.4505	0.3275	-1.5605	-1.1675	-0.1605	0.0015	-0.6295	-0.3395	-1.4635
0.4015	-0.4345	-0.2115	0.0045	-0.4835	-0.8975	-1.1965	-1.1835	-0.6195	-0.8995	-0.5975	-0.8025	0.2905	0.6625	-1.2665	-0.8835	0.0085	-1.6375	-0.7605	-0.7545	0.1025	-0.3085	-0.7895	-0.5495	-1.0245	0.1265	-0.4295	-0.5745	-1.1245	-0.7885
2.3175	-1.3495	1.2445	0.4225	-0.9125	0.5745	0.2555	0.0415	1.7035	-1.1325	1.5185	3.9225	1.7105	3.4775	-0.7325	2.9885	-0.5705	3.8175	0.6505	-0.4105	-1.0285	-1.6385	0.8395	-0.1495	-0.1235	0.9335	0.8185	0.5615	0.1395	-0.0965
1.053	0.012	-0.303	-0.129	0.891	0.07	0.368	0.047	0.182	0.364	-0.004	0.222	0.458	1.803	0.387	-0.005	0.346	0.259	-0.177	0.604	0.663	0.284	-0.102	0.046	-0.635	-0.155	-0.434	-0.658	-0.416	-0.398
-1.6055	-1.3105	-1.3825	-0.4635	-1.6675	-1.6635	-2.5215	-0.3445	-1.0965	-2.0435	-0.8995	0.3225	-0.8955	-0.3745	-0.1855	-1.0025	-1.4155	-0.2415	-0.9485	-1.6515	-1.7875	-1.7975	-1.6425	-1.3135	-1.8995	-1.4795	-1.4575	-1.3595	-1.0525	-1.1495
-2.6555	-1.7655	-1.0975	-1.3765	-0.1605	-0.7815	-0.8975	-1.1925	-2.4185	-1.8005	-2.2235	-1.3395	-1.1605	-2.1165	-1.6945	-3.3365	-1.4515	-1.9255	-0.9775	-0.9005	-1.3645	-0.9795	-1.3705	-0.1975	-0.3915	1.0125	0.5355	0.2305	0.8115	0.6275
0.714	0.351	1.225	-0.381	-0.844	0.779	-0.005	0.97	0.146	0.005	0.108	-0.91	0.169	-0.091	0.478	0.556	0.987	-0.385	0.027	0.418	1.564	0.659	1.788	0.211	0.307	0.59	0.096	-1.222	0.271	-0.127
-0.583	1.049	1.383	0.376	0.827	0.191	0.081	-0.043	0.491	0.03	0.535	0.594	0.159	-0.091	0.395	0.268	0.121	0.128	-0.202	0.387	0.277	0.142	0.557	-0.166	-0.398	0.048	-0.756	-0.244	-0.193	-0.876
0.471	0.132	0.731	0.48	1.039	0.983	0.359	-0.035	0.279	0.322	0.845	-0.47	0.899	1.828	0.651	1.102	1.295	0.621	0.369	0.444	1.034	0.566	0.256	-0.377	-0.409	-0.14	-0.022	-1.105	-0.168	-0.635
-1.904	-2.688	-2.875	-1.827	-1.395	-1.536	-3.675	-3.58	-2.401	-2.981	-3.232	-1.914	-2.759	-2.727	-0.862	-3.32	-3.33	-2.476	-2.869	-2.418	-2.002	-2.997	-1.577	-1.389	-1.283	0.019	-1.822	-0.237	-0.684	-1.788
-0.6815	-2.7455	-0.5605	-0.9275	-2.6345	0.7155	-1.3955	-1.2355	-0.2585	-2.5685	-0.3745	-0.3645	-0.0005	-1.3095	2.2585	-1.2355	-0.0195	-0.2915	0.4475	-0.2995	-0.7445	-1.1485	-0.0805	-0.4455	0.2035	0.4375	0.3605	-1.2435	-0.6265	-0.8195
1.0495	-0.6685	-0.3955	-0.5405	1.1165	-0.0685	0.2355	0.8225	-0.5815	-0.2075	0.3895	1.0115	-0.5335	1.0565	-0.0205	0.5045	0.2965	-0.0035	-0.5215	0.2495	0.4805	-0.2805	0.0035	-0.6265	-0.7785	-0.2775	-0.6915	-0.7945	-0.6155	-0.7915
0.487	-0.627	0.262	-1.185	1.765	1.406	-1.343	-1.056	-0.839	-0.675	0.257	-1.166	-0.987	-0.758	-1.433	0.198	0.355	0.239	0.159	0.53	-0.565	-0.83	-0.179	-1.266	-0.13	0.138	-0.83	-0.648	-0.019	-0.524
-0.378	-0.481	-0.069	-0.319	1.493	1.165	0.181	0.228	-0.044	0.148	0.618	0.311	0.178	0.746	1.877	0.865	0.819	0.447	-0.168	1.59	0.662	-0.046	-0.488	-0.211	0.149	-0.161	0.257	-1.831	0.354	0.137
-1.124	-0.015	0.14	-0.405	0.031	0.107	-0.367	-0.032	-0.228	-0.193	0.859	-0.324	-0.432	-0.344	-0.417	-0.528	0.552	-0.626	-0.192	-0.531	-0.381	-0.98	-0.284	0.26	0.285	0.72	-0.528	0.139	0.183	-0.399
-0.0375	-0.3415	-0.5065	-1.8935	-2.6995	-0.4355	-0.3195	-1.3705	-0.6455	-0.0455	-0.1535	0.2505	-0.1145	-0.8995	0.8805	-0.5405	-0.5585	-0.8255	-0.6115	-0.8665	-0.0495	0.3715	-0.3445	-0.2745	-0.2025	-0.2845	-1.4125	-0.5355	-0.1785	-0.3085
-0.2915	-0.2045	-0.8505	-0.2745	-0.4005	-1.0735	-1.1555	-0.7985	-0.3435	-0.6365	-0.7595	-1.3035	-0.6115	-0.5565	-0.8595	-0.9515	0.6345	0.2775	-0.1325	-0.4685	-0.8555	-0.5375	1.4295	-0.0825	-0.2725	0.2205	-0.9605	-0.1895	-0.7925	-0.6115
0.3925	-0.0005	-0.9025	-0.6145	-0.4265	0.6585	0.1775	0.0885	0.6635	0.1085	0.2865	-0.7915	-0.0615	-0.3585	0.8815	-0.9485	0.2915	0.9165	-0.1285	0.4225	0.5595	0.9355	0.0215	0.2155	0.5255	0.0495	0.0005	-0.3175	0.3105	0.2235
-0.7855	-0.2115	-0.7845	-0.5735	-1.4685	0.4795	-0.2005	-0.0845	0.0255	0.8755	0.0085	-1.4315	-1.0435	-1.4975	-0.4205	-0.6385	-0.6605	-0.3845	0.1005	-0.2315	-0.7965	-1.3495	0.9455	0.7735	1.1325	0.9925	1.0555	0.6685	1.2665	1.3545
0.979	-1.118	-0.022	0.634	1.829	1.289	2.634	0.774	0.003	0.788	1.124	1.312	0.34	1.041	0.905	0.833	2.837	1.206	0.682	1.365	0.795	0.811	0.106	-0.651	-0.276	-0.548	0.123	-0.627	-0.521	-0.341
0.018	-1.673	-0.619	-1.028	-1.831	0.195	-0.849	0.316	-0.022	-0.452	-0.176	0.372	0.181	-0.721	0.335	-0.761	-0.252	-0.033	-0.614	-0.764	0.579	-0.682	-1.175	-0.839	-0.73	-0.584	-0.972	-0.506	-0.418	-1.09
0.459	0.102	0.135	-0.236	1.083	0.583	0.049	0.725	0.424	0.175	0.299	-0.426	-0.456	-1.149	-0.648	0.261	-0.417	-0.065	0.307	-0.407	-0.119	1.861	0.379	-0.451	-0.374	-0.433	-0.343	0.067	-0.031	-0.28
-0.3675	0.1185	-0.6155	-0.0265	-0.3475	-0.1385	1.6755	0.6985	0.4085	0.7875	1.3865	0.2955	0.1845	0.5335	0.5695	0.6915	0.6475	-0.0765	0.2195	0.0205	0.2725	1.9345	1.2315	0.1735	-0.0975	0.3365	0.3525	1.0895	0.4495	0.1865

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-0.5535	0.2725	-1.7705	-0.9055	0.1495	1.1755	2.1585	1.3125	0.4825	0.8355	0.2855	0.3315	0.2785	0.5145	0.8305	0.4425	0.4515	-0.9305	0.5085	0.6785	0.8525	1.2915	-0.3355	0.1355	0.4305	0.4225	0.5965	0.1335	0.7915	0.5985
-0.8425	-1.1415	-2.7575	-0.2535	-2.8995	-1.1925	-2.3545	-1.2915	-0.2925	-1.6685	-1.6895	-1.5795	0.5285	-1.8675	-1.7705	-1.9775	-1.5665	-1.3815	-0.8215	-0.6735	-2.2665	-1.2475	-2.2095	-1.1275	-1.5455	-1.3495	-1.1235	-0.7225	-0.9565	-1.5315
1.142	0.157	0.217	1.736	0.325	0.312	0.175	1.061	0.613	0.831	0.32	1.521	1.071	0.55	-0.326	-1.044	0.018	-0.013	0.25	0.481	1.101	-0.62	-0.922	0.054	-0.667	-0.469	0.099	0.425	-0.041	-0.02
-0.4745	-2.2815	-1.0285	-0.0135	-1.3515	-0.5565	-1.8745	-1.8215	-2.2195	-1.6235	-2.2455	-0.4285	-0.8055	-1.5285	-1.7365	-3.0905	-1.0995	-2.6485	-0.8315	-2.1545	-1.2335	-0.8385	-1.0735	-0.7065	-1.3575	-0.8225	0.2635	-0.0445	0.0715	-0.3235
-0.5385	-0.2295	-1.1235	-0.2625	-0.0725	-0.3515	0.0745	-0.0815	0.0785	0.7295	0.1215	0.4035	-0.3145	-0.4335	0.8495	-2.6005	-0.5365	-2.2325	-0.1085	-0.3875	0.4865	0.4525	-1.0835	0.1155	0.8815	0.4475	0.5875	0.7315	0.7235	0.3975
1.8375	-0.1085	1.0645	0.4095	2.4875	1.6935	2.0915	1.2545	0.2535	0.5685	1.5185	1.5025	-0.2315	1.1635	1.8135	2.1925	1.5465	1.5635	2.2475	2.1825	1.8705	1.4315	0.8825	-1.1355	-0.9145	-0.2735	-0.9385	-1.7345	-0.3265	-1.2905
-0.714	0.417	0.565	-0.175	0.351	-1.188	0.584	0.242	-0.258	-0.991	0.052	-2.148	-0.808	0.563	-0.704	-2.262	0.017	-1.02	-0.633	-2.08	-1.163	0.786	0.72	-0.143	0.721	0.452	1.307	0.331	0.457	0.578
1.831	1.648	1.783	1.041	1.69	1.698	0.473	0.645	-0.299	0.346	2.115	0.673	0.353	-0.594	1.213	-0.005	1.132	-0.065	0.602	-0.239	1.873	0.567	0.432	0.226	-0.514	-0.752	0.617	-1.272	-0.473	0.243
2.4425	-0.8205	0.3455	-0.1465	0.7325	0.2335	1.2035	0.4045	1.8135	0.8555	1.3975	-1.3295	0.7365	1.0075	1.1655	2.1655	0.2835	0.6185	0.2945	1.0635	1.0945	0.3725	1.6255	-0.4535	-0.1585	-0.6805	1.7555	-0.9135	0.1175	-0.1175
1.142	3.177	-1.37	3.635	3.272	1.119	2.407	3.382	0.555	0.329	0.854	0.57	1.454	1.182	0.689	1.674	1.228	-0.982	-0.066	1.329	1.027	2.811	1.898	-0.474	-0.977	-0.953	-1.009	-0.334	-0.512	0.23
-0.26	-0.12	-0.108	-0.333	-0.401	-0.32	-0.152	0.106	0.108	0.39	0.164	0.02	0.08	-0.343	-0.308	-0.093	1.2	-0.279	-0.127	-0.143	-0.208	-0.336	-0.132	0.853	0.635	0.748	-0.329	1.217	0.188	-0.027
-1.6825	-2.0235	-2.1025	-1.3975	-0.9805	-0.0515	-0.2145	-1.2025	0.5705	0.0065	-1.6655	-1.8435	-0.7705	-0.8525	-0.9445	-1.7235	0.5035	-1.4765	-0.5055	0.0165	-0.8045	-0.4035	0.1585	-0.0205	1.3735	0.9505	0.4165	-0.2155	-0.5055	1.1155
-0.6695	-0.0945	-0.5145	-0.8725	-0.0755	-0.1065	-0.1065	-0.2235	0.2795	-0.0475	0.2565	-0.8365	-0.6885	-0.4985	-0.2655	-0.8105	0.7545	-0.0635	-0.2595	-0.5385	0.0955	-0.2635	0.1715	-0.3275	0.0275	0.0415	-0.0945	0.4775	0.3955	0.3835
0.47	-0.088	-0.64	-0.834	0.456	0.022	0.001	-0.365	0.409	0.08	0.465	-0.953	-0.174	-0.018	-0.67	-0.33	-0.337	-0.468	-0.139	0.022	0.328	0.41	0.038	-0.686	-0.344	-0.822	-0.715	-0.849	-0.075	0.011
-0.27	-0.265	0.353	0.598	-0.044	0.834	2.348	0.393	1.389	0.707	-0.211	-0.275	1.3	-0.003	-2.273	0.359	0.406	0.242	3.098	1.87	0.937	0.641	0.262	-0.02	0.796	0.219	0.388	0.364	0.427	0.333
0.789	0.675	-0.12	0.59	0.433	-0.765	1.095	-0.549	0.105	0.236	-0.268	-0.099	0.237	0.629	-0.601	-0.685	-0.573	0.045	-0.275	-0.137	-0.016	-0.753	-0.115	0.558	0.283	0.591	0.36	0.348	0.111	0.25
-0.2795	-0.3655	-1.4395	-1.1345	-0.4665	-0.3415	-1.3615	-2.0815	-1.3345	-0.2805	-2.6285	-3.0645	-0.6045	-1.5335	-1.2445	-2.0985	-0.2885	-3.5065	-1.3625	-0.9885	-2.4725	-1.3205	-1.7705	-0.6265	-0.3925	0.1395	-0.0615	-0.3115	-0.3365	-0.4885
1.178	0.423	0.655	1.056	0.947	2.031	0.875	0.681	1.129	0.604	1.374	0.872	1.353	1.088	0.488	1.58	0.663	1.082	0.142	1.438	1.046	0.865	1.755	0.683	0.345	0.546	0.328	-0.11	0.412	0.176
-0.4075	-0.4765	-1.6925	0.0635	0.2925	-0.2795	0.0075	-1.4485	-0.7555	-1.2065	-0.7235	-2.0445	-0.4045	-1.6525	-0.2785	-0.3395	-0.2485	0.0125	-0.8005	0.1405	0.4925	-0.8105	-0.4325	-0.1995	-1.9835	0.4095	0.1425	0.0705	0.0445	-1.2715
1.649	-0.729	-1.123	-0.873	-0.677	-0.677	1.233	1.667	1.65	1.676	-0.714	-1.179	0.824	-1.175	-0.823	0.516	0.033	-1.404	0.872	-0.087	0.803	1.371	-0.733	-0.245	0.678	-0.254	-0.172	0.109	0.65	0.412
0.0415	1.3595	1.4965	0.6485	0.8175	0.7675	0.2985	-0.1695	0.2555	0.4785	1.6375	1.4345	0.1765	0.8245	1.3525	-0.0955	0.3845	-0.3055	0.8015	0.4415	0.0065	-0.4745	-0.2085	-0.0905	0.0955	-0.3145	-0.5645	-1.2545	-0.0755	-0.3145
0.1535	-0.4035	-0.1905	-0.5285	0.5585	-0.0795	-0.0635	0.4235	0.6475	0.7175	0.0025	0.6465	-0.0445	0.0225	0.2155	0.0295	-0.9375	-0.3095	0.2425	-0.7275	-0.5195	-0.4875	0.2285	-0.6435	-0.3775	-0.2225	-0.9605	0.0135	0.0305	-0.4685
-0.308	0.679	0.439	0.117	0.304	0.026	-0.035	-0.01	-0.903	-0.096	1.357	0.955	-0.051	0.735	0.524	1.323	0.636	-0.212	0.218	0.176	0.263	0.053	0.084	-0.384	-0.434	-0.287	0.162	-0.73	-0.34	-0.456
-0.2235	0.6965	1.1445	0.8475	1.5475	0.8425	-0.6925	-0.9655	0.7195	-0.6545	0.5175	-1.6475	0.5935	-0.9235	0.7765	0.1955	-0.1155	-0.4495	-0.3455	0.3045	-0.2015	0.3075	0.4695	-0.6905	-0.7405	-0.1575	-0.1985	-0.3845	-0.0525	-0.6095
0.741	0.696	1.546	0.681	2.271	1.453	0.414	1.22	0.117	0.876	0.279	1.847	1.369	1.264	1.384	1.806	1.521	0.647	0.144	1.652	2.246	0.391	-0.288	0.169	-0.125	-0.356	-0.536	-1.568	-0.392	-0.829
-0.233	0.255	1.054	-3.24	-1.127	-0.42	-0.386	-0.004	-0.62	0.002	-0.223	-1.19	-1.466	-2.084	-3.152	-1.938	0.417	-3.946	-0.143	0.804	0.607	0.312	-2.883	-0.697	-0.771	0.379	-0.506	-2.577	0.398	0.152
0.575	-0.108	0.817	-0.118	0.496	1.259	0.693	0.124	0.725	0.092	-0.021	1.413	0.587	0.251	-0.204	-0.357	0.342	0.907	0.963	0.08	0.78	2.184	0.368	-0.981	-1.084	-0.175	-0.698	-1.151	-0.946	-1.421
-0.6985	-0.2825	0.1435	-0.2305	-0.5665	-0.1385	-0.7045	-0.3235	0.1335	0.1245	-0.0285	-1.1115	-0.1195	-0.4565	-0.2635	0.0325	-0.5035	0.0365	-0.2735	-0.0785	-0.0245	-0.2055	0.3535	-0.3525	-0.0595	0.7445	-0.5815	-0.5635	0.0275	-0.5035
0.0075	-0.5975	0.7185	1.0255	0.0785	1.0825	0.2815	0.3255	0.4015	0.5195	1.0295	0.8825	0.4225	0.4705	2.2155	0.5485	1.3885	1.2755	0.6255	0.3435	0.5755	2.2075	-0.0075	-1.2965	-1.0965	-0.4665	-0.0325	-1.9065	-0.9775	-1.6255
-0.1635	2.1275	-0.6855	0.2155	0.5365	0.4925	-0.1555	0.0265	-0.8405	-0.6355	0.7355	0.8005	0.7955	0.9735	0.6185	-0.4325	0.9155	0.8815	-0.2705	0.0815	-0.1245	0.9115	-0.1895	-1.3505	-1.6765	-1.9635	-0.1315	-0.8555	-0.4845	-0.5295
0.1505	-0.3415	-0.8545	-0.8655	-0.0515	0.3545	0.7035	0.5325	0.5535	-0.1935	0.1875	-0.3575	0.0185	0.8145	0.5975	-1.1245	0.3115	0.0805	0.0925	0.5685	0.2325	1.6305	-0.5485	0.3585	0.6395	-0.0285	-0.5165	-0.5145	0.5435	0.0135
0.2615	-0.1985	0.4645	-0.2355	0.7915	-0.1635	0.1065	0.2205	-0.4445	0.0635	-0.3625	0.2895	0.5685	0.1125	-0.2925	0.2405	0.6895	0.7585	-0.3635	0.6315	0.7605	1.0245	0.1725	0.2185	-0.0415	0.3025	-0.0955	0.1965	-0.0315	-0.0805
-0.448	-0.412	-1.58	-0.353	0.151	-0.425	-0.904	-0.57	-0.592	-0.384	-0.514	0.021	-0.457	-0.591	-1.302	-1.554	-0.159	-0.069	-0.602	-0.224	-0.53	-1.022	-0.691	0.026	-0.444	0.105	-0.312	-0.262	-0.389	-0.083
-0.7785	-0.0715	-0.4395	-0.4195	-0.0225	-0.6795	-1.0835	-0.9845	-0.4095	0.0225	-0.6635	-0.9525	-0.1555	-0.4845	-0.6385	-1.2195	1.9695	-1.1605	0.5805	-0.5775	-0.4295	-0.0965	0.3965	1.8365	1.3695	0.7595	-0.2805	0.4265	0.3845	0.4585
-0.994	-0.615	-0.263	-0.761	-0.572	0.579	-0.292	-0.386	0.006	0.169	-0.513	0.344	1.377	-0.148	0.01	-0.879	0.17	0.43	-0.192	0.458	-0.038	0.408	-0.702	-0.485	-0.25	0.216	0.345	-0.703	-0.007	-0.344
0.5815	-0.1845	1.1185	0.3915	1.3515	1.7615	0.9105	1.6805	0.9275	0.8045	0.3425	0.6495	0.4345	1.9565	0.6415	1.0515	1.6945	1.3065	1.2525	1.3915	0.1745	2.1625	0.4485	-0.8775	-2.2865	0.0005	-0.9745	-1.3115	-0.5445	-1.6175
0.828	0.777	1.138	1.222	0.002	-0.079	-0.32	0.952	-0.073	-0.273	2.418	1.959	0.292	0.552	1.35	0.05	1.542	1.302	1.182	1.094	2.633	0.254	1.092	-0.737	0.031	-0.062	0.15	-0.591	-0.068	0.056
0.7235	-0.3185	0.1735	0.7195	0.5245	0.5715	2.1805	1.2435	1.1625	1.7985	2.5175	2.6485	1.1905	1.6645	0.1385	1.6535	0.9385	0.7875	1.2655	1.0345	0.9825	1.5505	1.2535	-0.6975	-0.4165	-0.5305	-0.7335	-1.2635	0.1835	-0.5275
-1.424	-0.881	-0.752	-0.152	-0.741	1.076	0	-0.465	-0.202	-0.666	-0.75	-0.312	-0.218	-0.169	-0.23	0.777	-0.338	-0.359	-0.024	0.849	-1.154	-0.446	-0.159	0.689	1.405	1.357	-0.183	0.713	-0.227	0.513
-1.184	-0.261	0.022	-0.237	-0.257	0.298	-0.554	-0.401	-0.114	0.322	-1.512	-0.556	-0.499	-0.555	-0.126	0.868	-1.173	-0.833	-0.562	-0.905	-0.202	-1.41	1.006	0.178	-0.212	0.09	0.279	-0.87	-1.005	-0.405
-0.1565	0.2445	0.3035	0.2045	0.0785	-0.1355	-0.0755	0.1715	0.6745	0.2315	0.1505	-0.3125	0.2435	-0.1755	-0.1085	0.0305	1.2475	0.6295	0.3765	-0.1835	-0.0515	0.0345	0.0165	1.1025	0.2665	0.9805	-0.0035	1.0665	-0.0615	0.0705
-1.01	-0.424	-1.081	-0.768	-0.415	0.528	-1.422	0.244	-0.646	0.033	0.705	-1.435	-0.544	0.276	0.226	-0.704	-1.596	-1.117	-1.142	-0.668	-1.173	-2.188	1.244	1.263	-0.037	0.23	-1.84	0.691	0.554	-0.189
-0.301	-1.771	-0.746	-1.254	0.709	-0.567	-0.658	-0.94	0.16	-1.231	-1.17	-1.557	-0.231	0.057	-1.415	-0.426	0.125	-0.189	0.207	0.099	0.214	-0.687	-1.104	0.227	-0.27	0.553	-0.583	-1.254	-0.678	-0.937
1.0615	3.0735	-0.0395	0.2175	0.9595	0.3005	-0.2175	0.0275	0.3475	0.1115	0.4615	0.5945	0.0335	1.3935	-0.6345	-1.1055	-0.4335	0.7335	-0.8195	-0.3525	-0.0455	1.2355	-0.5625	-1.5795	-2.2085	-1.3505	-0.0925	-0.3105	-0.5225	-1.0475
-0.1405	1.8315	-0.8885	0.0395	0.4155	0.1265	-0.4185	-0.3355	-0.6995	-0.6735	0.5565	0.0215	0.2815	0.2505	0.4695	-1.3975	0.2735	0.2625	-0.6215	-0.5145	-0.3355	0.8225	-0.5065	-1.3355	-1.3625	-1.7425	-0.6145	-0.6665	-0.6785	-0.8075
-0.334	1.714	-1.187	-0.183	0.101	0.002	-0.577	-0.326	-0.858	-0.627	0.565	0.056	0.359	0.254	0.479	-1.567	0.433	0.321	-0.683	-0.625	-0.351	0.838	-0.002	-1.129	-1.391	-1.295	-0.888	-1.084	-0.511	-0.702
-0.4345	1.4695	-1.2415	-0.3775	0.0585	-0.1135	-0.5255	-0.2455	-0.6625	-0.7245	0.5555	0.1065	0.1665	0.1455	0.3955	-1.5825	0.2195	0.4015	-0.6485	-0.6395	-0.3805	0.8625	-0.5465	-1.1475	-1.2635	-1.1565	-0.7435	-0.4415	-0.3885	-0.8205
-0.247	1.618	-0.951	-0.009	0.31	-0.121	-0.726	-0.43	-0.637	-0.561	0.587	0.009	0.296	0.166	0.33	-1.307	0.264	0.231	-0.77	-0.396	-0.308	0.914	-0.611	-0.846	-1.166	-1.241	-0.787	-0.488	-0.481	-0.861
0.2015	0.2655	-0.3075	-0.3625	-0.0655	0.0035	0.2485	0.0465	0.6495	0.2645	0.0005	-0.8375	0.3635	0.6325	0.4075	-0.9505	0.5315	-0.4155	0.0685	0.2725	0.0325	1.5395	-0.1915	0.2795	0.5815	-0.1675	0.0815	-0.3215	0.1105	0.0235
0.6015	-0.3385	0.2585	0.0065	0.5775	0.1525	-0.3885	0.3155	-0.3225	-0.7365	-0.1405	-0.8305	0.1225	0.1025	-0.1725	0.3495	0.4645	0.1235	-0.4385	0.1465	-0.2715	-0.9325	-0.2295	-0.2265	-0.9105	0.0775	-0.4785	-0.9255	0.0165	-0.4165
0.5085	0.1385	-0.0695	-0.4275	0.6735	1.1865	1.3225	0.2645	1.2935	0.8225	1.0855	0.6955	0.6275	1.3515	1.4845	1.0035	0.9365	0.8095	0.8035	0.8345	0.3415	1.7925	1.2345	-0.1755	-0.4075	-0.0735	-0.4055	-1.1145	-0.5345	-1.0945
1.5865	-0.9335	0.7165	0.0005	0.8775	1.1205	0.6065	0.6285	1.0165	0.1835	0.0425	0.1235	0.1005	2.1785	0.9015	0.0205	0.7185	0.9085	0.1565	0.3665	0.7995	2.3505	0.2275	-1.5105	-1.4385	-0.2625	-0.9825	-1.1235	-0.9075	-1.5385
0.9735	0.0065	-0.3815	1.1225	0.6255	0.9215	0.9255	0.5495	0.2625	0.6655	0.9065	0.7865	1.1785	0.5635	1.7105	0.9035	1.0965	0.9475	0.7815	0.7205	0.7585	1.1255	0.4715	-0.4185	-0.4065	-0.1325	-0.5255	-0.7945	-0.3225	-0.9075
0.054	-0.388	0.087	-0.338	-0.178	0.734	0.279	-0.055	0.05	-0.006	0.201	-0.635	0.125	0.006	0.533	0.103	0.557	0.17	0.401	0.677	-0.162	0.64	-0.117	0.68	0.738	0.259	-0.636	-0.653	0.694	0.047
-0.8625	-0.0935	1.6945	-0.1045	-0.7865	1.1685	-0.7025	-0.5655	0.1475	-0.2585	-0.0425	-0.4455	-0.4685	-0.7075	-0.4615	-0.5965	-0.5465	-1.0965	0.0725	-0.2515	-0.6205	0.4355	0.8395	0.6065	1.4395	2.1945	2.1985	1.4655	1.6085	2.3495
-1.91	-0.325	2.996	0.593	-0.747	1.874	-0.554	-0.455	0.427	-0.653	0.518	-1.219	-0.589	-1.373	-0.81	-0.092	-0.975	-1.026	0.456	1.025	-0.51	1.559	1.106	0.645	1.168	2.194	2.108	2.384	2.306	2.208
-1.7425	-2.0355	-0.0725	-1.2745	-2.5855	-0.1685	-1.8885	-1.3055	-0.5955	-2.0895	-3.2865	-2.3445	-1.8025	-1.8665	-2.1085	-2.8225	0.3765	-1.5245	-2.0215	-0.8695	-0.1545	-1.2255	-1.8785	-0.9345	-1.2885	0.6935	0.0305	-2.5905	-2.3295	-1.2125
-0.7305	-1.0855	-1.6325	-0.8445	-0.7295	-0.4475	-0.5425	0.7695	-0.4905	-0.7325	-2.0505	-0.0515	0.4375	-0.7285	-0.1055	-1.0055	-0.6215	-0.8665	-0.0965	-0.6315	0.2815	-0.7515	-0.9865	0.3745	-0.3335	0.6265	-0.2245	0.7525	-0.1555	0.0155
-1.1255	0.3215	0.7665	-0.3405	-0.2175	-0.9835	-1.2175	-0.3905	0.2485	-0.5845	0.1285	0.0335	0.0105	-1.2175	-0.2105	-1.0685	-0.5815	-1.6535	-1.2745	0.4275	0.8925	-0.4315	0.5725	0.0865	-0.8315	-0.1885	-0.4765	0.5875	-1.8275	0.3375
0.5055	-1.2765	0.0755	0.4835	-2.0765	1.0315	0.1285	-0.0615	-0.0875	-0.8255	1.0845	-0.7525	-0.5225	-1.3455	-0.8985	-1.9445	-0.4095	-1.0025	-0.3535	-1.6775	0.4625	-0.1765	-0.8415	0.3805	-0.5315	0.7605	-1.0875	0.3205	-0.2695	-0.8645
0.9325	-1.2885	0.0165	0.3715	-1.6905	-0.5305	0.6305	0.2715	-0.3475	-0.4125	1.5095	0.0545	-0.0395	-0.4825	-1.4625	-0.5945	-0.4305	-1.0335	0.0955	-0.4485	-0.3045	-0.0785	0.3935	-0.5365	-0.8435	-0.6025	-0.2905	-1.6525	-0.1625	-0.1805
-0.532	-3.253	-0.421	-0.601	-2.72	0.24	0.426	0.18	0.533	-0.793	0.069	-0.914	-0.774	-2.28	-0.867	-1.867	-0.291	-1.674	-0.575	-0.609	-0.206	-1.224	-0.262	-0.8	-0.88	0.029	-1.131	-0.917	-1.084	-0.828
-1.1485	-0.4695	0.0325	-0.3595	0.4085	-1.3795	0.6085	0.1515	-2.2615	-1.7205	0.3975	-1.8015	-0.8885	0.5975	-1.3595	-2.1055	-0.3725	-0.3425	-0.3565	-1.6495	-0.7485	0.8575	0.6795	0.0395	0.7185	0.5715	1.3445	-0.3975	1.0325	0.6805
-0.307	-0.098	0.205	0.486	0.291	0.343	-0.335	-0.349	-0.326	-0.167	0.01	0.233	0.172	-0.279	-0.303	0.783	0.181	0.247	0.16	0.259	0.192	-0.27	-0.423	0.136	0.331	-0.064	0.484	-0.599	-0.073	0.269
0.3345	-0.5565	0.6265	-0.3045	-0.2265	-0.4015	0.7235	0.0135	0.0585	-0.5195	-0.2555	0.4695	-0.7215	0.0085	-0.3715	-0.0515	0.0185	-0.4705	-0.0715	0.3285	0.3515	0.7785	0.0165	-0.7555	-0.9205	-0.7785	-1.1115	-0.5415	-0.7595	-0.5615
1.288	-0.457	1.516	2.13	2.406	0.174	-0.12	0.258	0.506	2.486	1.133	2.685	0.261	1.47	0.443	1.561	1.269	2.327	2.035	0.404	1.419	-0.463	-0.455	-1.467	-1.599	-0.618	0.288	-0.853	-0.179	-0.531
-0.2615	-0.0175	0.0615	0.3025	1.2695	-0.1815	0.4495	0.4475	-0.1165	0.1245	0.2615	1.4445	1.7735	1.1745	-0.3745	1.1155	1.1795	0.7625	0.2275	1.0065	1.4565	0.2585	-0.0295	-0.0405	-0.2815	-0.3085	0.2085	-1.0635	-0.6565	-0.4105
0.7085	0.8135	0.9675	0.5895	1.3405	1.4545	0.4535	-0.2585	-0.7405	-1.0075	0.0855	1.1765	0.4715	0.9405	0.8015	1.2265	0.7135	0.4245	0.1245	0.3725	1.4305	0.4545	0.2025	-0.7705	-1.5085	-1.3555	-0.8165	-1.5765	-0.6915	-0.7635
-0.038	-1.497	-0.704	0.492	0.962	-0.331	-0.663	-0.025	-0.218	4.228	-1.147	0.214	0.835	0.936	2.652	-1.494	-0.085	0.827	1.164	0.525	-1.034	0.452	-0.162	0.6	0.051	-0.017	1.397	-0.385	1.709	0.764
1.001	1.594	1.057	-0.176	1.23	1.072	0.428	-0.652	-0.301	-0.038	-0.404	0.833	0.609	0.247	1.168	0.349	-0.045	0.886	-0.015	1.048	0.706	1.441	-0.095	0.283	0.238	0.421	-0.15	-0.066	-0.392	-0.377
0.3915	0.1265	1.3765	1.3135	2.2935	1.3005	-0.1325	0.6335	0.9255	0.6245	0.7645	1.0445	1.5695	1.0875	1.0075	1.6315	1.1065	0.2615	-0.3955	1.5755	0.0165	0.8975	0.0165	-0.3705	-0.3765	-0.6755	-0.6635	-0.6035	-0.6635	-0.7615
0.9075	-2.3065	0.0335	-1.5435	1.2095	1.0275	-0.5085	-0.4155	-1.0185	-1.3195	-0.7635	-0.9335	-0.4035	-0.7295	-1.4805	-1.9095	-0.7345	0.8935	-0.4205	1.1365	0.2925	0.2625	-0.9635	0.0515	0.3475	0.6075	-0.0335	-0.5725	0.0425	-0.6885
0.791	0.453	0.901	-0.99	1.304	-0.753	0.749	0.881	0.571	-0.749	0.437	1.248	1.351	0.448	-0.528	0.081	-0.473	0.655	-0.174	0.73	0.211	0.444	0.173	-1.8	-1.3	-0.838	-1.049	-2.009	-0.6	-1.633
-0.3135	-1.0945	-0.2635	-0.0175	0.3165	0.0115	0.1815	-0.4425	-1.0955	-1.0815	-0.4305	-0.4665	0.1775	0.4245	-0.1065	-0.3495	0.0975	-0.0645	0.0875	0.2045	-0.3335	0.7825	-0.6935	-0.0725	-0.2925	0.1755	-0.2845	-0.3815	-0.4975	-0.5205
-0.076	0.728	0.106	0.458	0.549	0.651	1.432	0.798	0.411	0.329	-0.073	0.977	0.669	0.053	-0.315	0.596	-0.001	0.84	0.272	0.597	1.394	1.292	-0.228	-0.117	0.002	-0.249	0.855	-0.681	0.315	0.235

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-0.511	-0.075	-0.391	-0.003	0.494	0.359	0.719	0.336	0.335	0.63	0.348	0.449	0.388	-0.151	-0.14	0.47	-0.163	0.248	-0.131	0.575	0.83	1.278	0.066	-0.066	0.334	0.01	0.001	0.428	0.57	0.043
-0.021	-0.262	0.594	1.819	1.813	1.462	1.278	0.72	0.084	0.607	1.441	1.849	0.771	1.263	0.655	1.274	1.539	0.388	0.379	0.942	0.254	1.851	0.021	-1.72	-1.517	-0.245	-0.344	-2.408	-1.143	-1.459
-0.1155	1.3705	-0.2395	0.8435	0.5885	0.6955	0.9295	-0.6045	-0.0595	0.0255	0.3685	0.5825	0.2545	1.0425	0.0365	0.1325	-0.4685	0.4775	-0.0315	0.4155	0.4615	1.5405	0.3795	-0.2085	-0.0085	-0.1755	0.8095	0.2295	0.3525	-0.1985
1.002	1.018	1.967	0.909	1.504	2.155	0.684	0.528	0.609	0.212	0.084	1.142	1.056	0.906	1.463	2.81	-0.047	0.535	0.261	1.256	0.114	0.899	0.482	-0.171	0.105	0.204	1.003	-0.521	0.856	-0.104
0.772	1.474	-0.112	1.038	0.222	0.085	-0.203	-0.081	0.384	-0.162	0.509	1.553	1.143	2.14	1.732	0.544	0.808	0.692	0.028	0.722	1.525	1.047	-0.024	-0.752	-0.785	-0.543	-0.2	-0.667	-0.881	-0.246
0.931	-0.093	0.425	0.248	0.575	0.962	0.585	0.192	0.859	-0.554	-0.583	0.394	1.431	0.799	0.96	1.242	0.717	0.735	0.526	0.719	0.681	0.979	-0.54	-0.539	-0.859	-0.143	-0.106	-0.759	-1.218	-0.83
0.473	-0.387	0.496	-0.553	-0.416	0.079	0.331	0.169	-0.348	-0.361	-0.089	-0.041	-2.024	1.23	0.036	-0.334	0.01	0.593	-0.015	-0.274	0.036	0.313	-0.371	-0.287	-0.451	0.239	-0.265	-0.282	-0.293	-0.584
3.088	3.787	-2.579	3.855	-1.854	1.145	3.552	2.015	1.482	2.482	3.53	-0.579	-0.283	-1.087	-1.5	1.843	0.306	-2.524	3.294	2.168	2.22	2.951	0.727	2.351	2.529	1.731	2.113	0.852	1.724	1.807
-0.201	-0.291	0.064	1.554	0.794	1.023	1.194	-0.576	-0.476	-0.334	0.339	0.653	0.018	0.308	-0.331	-0.681	1.182	-0.265	0.546	0.349	1.495	0.738	-0.085	-1.146	-1	0.093	-0.3	-1.138	-0.55	-0.998
0.6925	-0.0895	-0.6535	-0.1615	-0.8835	-0.2915	-0.8365	-0.3545	-0.2315	-0.2835	-0.4805	1.2715	0.1925	-0.8075	-0.6975	0.5295	-0.2405	-0.0115	-0.4515	0.4445	-0.5015	-0.3335	0.0705	-0.1895	-0.2615	0.0225	0.2925	-0.2675	-0.8805	-0.5055
0.812	0.27	1.703	1.268	0.974	0.505	-0.489	1.201	0.509	-0.322	0.853	0.82	0.689	1.129	0.176	0.163	1.072	2.193	1.063	1.159	0.731	0.406	0.951	-0.998	-1.535	1.953	-1.19	-0.872	-1.218	-1.35
0.7135	2.0145	1.2745	1.2975	2.0105	0.4725	-0.7705	-0.1015	0.0585	0.9055	0.4095	0.8595	0.9675	1.5325	1.3355	-0.2275	1.8465	0.9125	1.1085	2.0185	1.1815	1.4225	0.7015	-0.6545	-0.5805	-1.0825	-1.2315	-1.4795	-1.3535	-0.7775
0.5855	0.3745	0.0755	0.8125	0.7795	0.3125	-0.8805	0.1275	-0.5655	0.0055	0.0985	0.9875	0.3515	0.4445	-0.1895	0.2205	1.2305	0.8525	0.2525	1.4835	0.6995	0.5945	-0.1025	0.0295	0.1605	-0.4265	-0.5715	-0.1845	-0.5955	-0.3085
1.1845	1.0835	0.0435	0.6125	0.5775	0.2535	-0.9955	-0.4285	-0.3595	-0.2395	-0.3305	-0.4195	0.7265	-0.0385	0.2085	-1.0935	1.2935	0.6165	0.8455	1.4135	1.1165	0.6915	-0.4905	1.0645	0.4175	0.6835	-0.7625	0.2525	-0.8885	0.0105
-0.3255	-1.1945	-0.6495	-0.6325	-0.9305	-0.4165	-0.7405	-0.9395	-0.1975	-0.1495	-0.9935	-1.0305	-1.2985	-0.3265	-0.4345	-0.8725	-0.4605	-0.3515	-0.0985	-0.3875	-0.5455	-0.9785	0.0865	0.0725	0.1255	0.2215	0.4315	0.4515	0.0555	0.2015
-0.4215	0.4795	-0.0035	-0.3775	-0.2965	-0.2695	-0.7125	-0.7135	0.0035	-0.3385	-0.6295	-0.8045	-0.4835	-0.5565	-0.4075	-0.9225	-0.5215	-1.0665	-0.6365	-0.0155	-0.3675	-1.0395	0.3445	-0.1685	-0.3485	-0.3725	0.1935	-0.2335	-0.8515	-0.0905
1.8845	-1.6325	-0.2975	-2.2105	-3.1625	-0.0185	0.5335	0.2765	-0.7495	0.2455	1.1085	-1.6115	-0.0115	-2.0495	-3.1475	-4.1805	-0.8825	-2.9505	-0.9575	-1.8625	-0.6435	-2.8735	-1.2585	0.7545	-0.5095	0.5825	0.1715	0.1225	0.4095	-0.7605
-0.2035	0.1515	0.9325	0.7955	-0.3125	-0.2665	0.0535	-0.2845	1.0105	-0.1055	1.4655	-0.4475	0.9895	0.7985	0.2455	0.4685	2.6555	2.3155	1.8765	1.6075	1.4875	0.4645	1.7985	0.7265	0.0825	-0.2965	-0.0085	-0.3755	-0.3305	-0.3165
-0.1685	0.2965	1.1685	1.0525	-0.4285	0.3965	0.1735	0.7255	1.2585	-0.1835	1.3325	-0.2845	0.9725	0.2965	0.9255	1.0805	2.6925	2.4005	1.3855	2.5125	1.4885	0.2675	1.5835	0.4195	-0.0855	0.3665	-0.1305	-0.1215	-0.2525	-0.3275
-0.8175	-2.0545	2.2355	0.4915	-1.6645	0.0605	-0.2465	-0.3825	1.6655	-1.4305	-0.2035	-0.7835	0.4925	2.3775	1.9815	-3.0205	1.8275	2.7085	0.9435	1.2315	0.1585	0.2405	3.4385	3.6945	4.0275	3.4905	2.4855	1.5295	1.2615	2.0335
-0.12	-0.355	1.593	1.433	-1.428	0.234	0.727	0.505	1.608	-0.556	2.008	-0.935	2.701	1.378	0.841	0.091	3.071	3.165	0.67	2.074	3.046	0.583	1.956	0.224	-0.152	0.114	1.192	-1.65	-0.898	0.078
0.119	-0.253	1.059	1.045	-2.383	-0.337	0.025	0.445	0.87	0.271	1.587	-0.683	1.532	0.794	0.378	0.171	2.352	2.1	1.046	1.391	1.742	0.261	1.255	-0.21	-0.097	0.445	0.839	-2.22	-1.345	-0.197
0.082	0.167	1.071	0.638	-0.352	-0.04	-0.493	-0.094	0.84	-0.38	0.768	-0.347	0.985	1.239	1.265	1.301	2.254	1.603	0.275	1.044	1.805	1.579	1.288	1.098	0.283	0.75	0.817	0.576	-0.53	0.06
-0.587	-0.626	1.271	0.126	-1.33	-1.269	-1.142	0.45	1.277	-0.474	0.096	-0.86	1.759	1.274	0.141	-0.645	2.952	2.562	0.609	1.416	1.569	0.901	2.777	1.427	1.649	0.907	0.564	-0.59	-0.102	0.516
-0.5605	-1.7015	-1.4115	-0.9445	0.1525	-0.3315	-0.2675	-0.0575	-0.5565	-0.8205	-1.0515	0.0395	-0.1165	0.1085	-0.7585	-0.7695	-0.4955	0.0775	-0.0715	0.3985	-0.6075	-0.4035	-1.2175	-0.3955	-0.6165	-0.0755	-1.0355	-0.4865	-0.7755	-0.6555
-0.9085	1.6565	-1.1295	-0.0405	-0.3735	-0.0845	4.1375	0.6725	-0.6805	0.6455	-0.7855	0.1275	-0.0205	0.8265	-0.0025	-0.1305	-0.0395	-0.0075	0.6285	0.5095	-0.5105	0.0985	-0.0795	0.4375	0.3935	0.3835	2.4565	0.2025	2.3405	1.0345
-0.611	0.24	1.592	0.225	-0.485	-0.115	-0.036	0.757	2.562	0.43	0.127	0.52	0.781	0.773	2.778	3.664	0.584	2.511	0.437	1.878	0.695	0.071	4.335	-0.294	0.205	0.791	0.361	-0.593	-0.155	-0.076
-1.7565	-1.1705	-0.9875	-0.2485	-2.1125	0.1485	-0.9285	-1.1345	-1.1685	-1.6815	-1.8485	-0.9585	-1.4905	-1.7955	-1.1295	-0.8865	-1.3795	0.0145	-1.1585	-0.5095	-1.8565	-0.9615	-1.0045	0.0525	0.1985	-0.3415	-1.9035	-0.6125	0.8385	0.8445
1.4905	0.2055	1.0795	0.7735	0.7465	0.5315	0.6765	-0.6135	0.3245	0.7495	0.7895	0.5305	-0.4595	0.6825	0.2105	0.9585	0.8375	0.8895	1.4025	0.5965	0.2155	0.5265	0.4795	-0.4245	-0.6355	-0.1115	0.1105	-0.9495	-0.1135	-0.5875
2.4995	1.3085	1.0085	1.4115	1.8395	1.5785	1.0155	1.1315	-0.3165	1.3135	1.4815	0.5465	1.3845	2.1465	1.0975	1.4905	1.8375	-0.3695	0.7785	1.1055	0.9885	1.2905	1.4025	0.8495	-0.1535	1.4125	0.2675	-0.3845	0.7815	0.6215
-0.111	-0.83	0.44	-0.332	-0.277	0.005	0.697	-0.007	-0.683	-0.983	1.238	-0.005	-0.151	-0.327	0.614	0.289	-0.665	0.107	0.115	-0.054	-0.744	-0.512	-0.867	-0.391	-0.241	-0.305	-0.419	-0.921	-0.114	-0.37
0.9795	-2.2305	-3.2785	-1.6205	-2.4555	-0.0815	1.7155	1.3445	-0.9635	0.2975	-1.4355	0.9425	-2.8455	-1.5195	-1.2815	-3.7555	-2.8225	-3.1105	-0.9285	-0.8445	0.5395	-2.7545	-0.0385	2.1175	-0.3175	0.7675	0.0675	0.7095	0.7535	1.0275
-0.933	-1.857	-2.19	-0.895	-2.392	-0.725	-0.758	-1.562	-1.535	-1.383	-2.265	-0.395	-1.997	-1.434	-1.685	-2.657	-0.778	-1.799	-1.659	-0.363	-2.112	-0.695	-1.81	0.883	0.657	0.861	-2.177	0.227	0.3	-0.65
-0.2835	1.3755	-0.0545	-0.4405	-0.3435	-0.4785	-0.1695	-0.0105	0.0385	-0.0845	-0.7985	-0.1625	-0.2415	-0.2765	0.2835	0.9455	0.2625	0.3335	-0.0235	0.4005	0.0985	-0.0375	1.0305	0.3515	0.3265	-0.3115	-0.6475	-0.4885	-0.0885	-0.7895
0.1065	-1.9245	-1.9575	-0.7155	-1.3075	0.3685	-0.1345	-0.4415	-0.6685	-1.3735	0.1215	-1.3625	1.4245	-1.1595	0.9185	0.0235	-0.9855	-1.7715	-0.9105	-0.6845	2.4775	-0.1165	0.1175	-0.2435	0.3475	0.5515	0.0515	0.2995	0.9785	0.2385
-0.97	-1.44	-1.065	-0.288	-0.466	-0.305	-0.736	-0.648	-0.162	-1.658	0.515	-0.07	-1.347	-0.333	-1.109	-0.92	-1.37	-0.182	-0.846	-1.388	-1.033	-1.31	-0.198	-0.591	-0.384	-0.317	-0.876	-1.277	-0.287	-1.047
-1.883	-2.224	-0.658	0.97	-1.77	-0.369	-1.528	-1.382	-0.268	-1.907	-1.333	-1.195	-1.476	-1.218	-0.305	-1.224	-0.432	0.194	-0.364	0.324	-1.88	-1.183	-0.179	-0.425	-0.276	-0.033	-0.988	-1.337	0.004	0.63
-1.223	-0.785	-0.002	0.191	-0.676	-1.6	-0.407	0.325	-0.028	-0.287	0.169	-0.315	0.638	-0.05	0.315	-0.19	2.528	2.018	0.613	1.413	-0.302	0.411	2.058	0.974	0.822	1.044	-0.303	1.66	0.587	0.629
-0.9775	-1.2875	0.2025	1.1335	-0.6285	-0.4925	0.0415	0.9175	1.6385	0.0695	2.2495	-0.5275	1.5985	1.4875	1.5815	-0.1955	2.1315	3.0575	2.7355	1.8545	1.6325	1.4095	3.2845	0.0325	0.2065	0.6675	-0.7315	0.5165	-0.5015	-0.2465
1.6775	-0.6305	-1.2055	-1.7765	-2.7255	0.4575	-1.6355	0.8695	2.0525	1.9135	2.9805	0.7605	0.1145	-0.0155	-0.3075	-0.2005	0.4395	-3.1735	0.1405	-1.1325	2.4225	1.4385	1.5285	0.2295	2.0805	1.1765	1.4465	1.4785	1.7135	0.7055
0.827	0.499	1.245	0.831	-0.222	-0.856	-1.145	-0.191	0.213	-0.547	0.222	0.847	0.449	0.736	0.726	-0.687	2.168	1.404	0.745	1.65	0.619	0.156	0.749	-0.039	-0.614	-0.241	0.28	-0.753	0.392	-0.442
1.4555	-0.0075	0.5365	-0.0585	0.8105	0.2505	-0.8035	-0.2375	-0.8695	0.3205	-0.0125	-0.3275	-0.4875	-0.3735	-0.2985	-1.0835	0.6935	0.2785	0.0125	0.5485	0.9275	0.5945	0.4385	-0.2075	0.1225	-0.0295	-0.4485	-1.7435	-0.4225	-0.4885
2.823	1.436	1.737	0.005	-1.408	-0.631	1.695	2.125	0.035	0.462	0.781	-0.571	-0.124	0.838	0.109	0.263	-0.554	0.913	2.163	-0.005	1.695	1.25	0.052	1.171	1.267	1.933	0.38	1.951	0.929	0.657
-0.923	-2.243	0.123	-0.356	-1.265	-1.455	-1.228	-1.602	-0.772	-1.738	-1.946	-1.184	-0.712	-0.903	-1.191	-1.34	-0.866	0.283	-0.567	-0.298	-1.254	0.468	-1.22	0.337	0.098	-0.555	-0.147	-0.803	-0.509	-0.399
-1.217	-0.005	1.204	-0.388	-0.609	0.002	1.292	0.232	0.556	0.787	0.57	-0.749	-0.002	-0.541	1.732	-0.053	0.195	-0.25	-0.166	0.617	1.24	0.213	3.419	-0.52	0.19	-0.178	-1.135	-0.035	0.249	0.16
-0.32	-1.038	-0.577	-0.959	-2.426	-1.54	-2.609	-0.92	-0.386	-2.902	-0.338	-3.868	0.337	0.554	-0.3	-0.389	-2.899	-0.976	-1.619	-3.261	-3.509	-2.959	-2.466	-0.983	-0.909	-0.218	-0.417	-0.909	-0.76	-0.959
0.478	-0.295	0.229	0.231	0.968	0.769	1.271	1.441	0.76	0.092	0.761	-0.018	0.008	0.865	0.047	1.725	0.567	0.454	0.362	1.157	0.297	0.418	0.2	-0.483	-0.227	-0.558	-0.185	-0.723	-0.245	-0.339
-0.258	-0.68	-0.019	-0.322	-0.636	-0.18	0.419	0.158	-0.504	-0.016	-0.127	0.279	-0.068	-0.323	0.076	-0.33	-0.27	0.069	0.068	-0.333	-0.154	0.282	-0.027	0.138	0.224	-0.601	0.248	0.158	0.903	0.722
-0.6995	-0.7085	-0.5115	-1.0775	0.1765	-0.2315	-0.1505	0.2355	0.4625	0.0435	-0.2285	0.0085	-0.1735	0.0345	-1.7595	0.0715	-0.9425	0.2085	-0.3375	-0.2505	0.0965	-0.2515	-0.5725	-0.4935	-0.1215	-1.0935	-0.5235	0.1095	-0.2315	0.2475
-0.177	0.502	0.615	0.531	0.258	0.415	0.092	0.266	0.097	0.152	0.096	-0.516	0.303	-0.266	-0.015	-0.386	2.33	0.771	0.134	-0.083	0.212	0.118	0.413	0.383	-0.028	0.561	-0.206	1.128	-0.43	-0.231
0.942	2.609	1.303	2.129	0.503	2.235	1.206	1.429	2.323	1.413	3.427	0.22	1.621	0.263	-0.669	-0.173	1.559	0.157	0.739	1.535	1.698	-0.374	2.307	0.316	1.244	0.867	2.139	0.069	2.252	1.781
-0.385	-1.612	-2.906	-1.373	-2.028	-0.211	-0.935	1.022	0.107	-0.942	-0.333	1.969	1.706	1.088	0.564	-0.438	-0.485	-2.579	-0.508	-0.08	0.062	-2.5	-0.938	-1.247	-0.397	-0.622	0.075	-1.029	-1.159	-0.958
1.0615	1.5335	-0.0225	1.1505	-0.0025	0.3475	0.1195	-1.2565	-0.4555	0.7325	0.5825	-0.4405	-1.1225	0.4985	0.5855	0.1805	-0.3715	-1.5825	-0.3385	-0.5385	0.5755	-0.6475	0.2445	-0.2655	-0.4195	1.0485	-0.0205	-0.1625	0.3845	-0.2945
-0.4085	0.5975	-0.4725	-0.4655	-2.0535	-1.0385	0.2845	-0.3045	-0.1465	-0.4995	-0.3485	0.2775	-1.2205	0.3575	-0.4685	-0.7445	-1.0865	-2.2525	-0.8585	-0.7625	-0.8365	-0.9345	-0.8805	-0.8615	-0.7875	-0.4505	-1.6895	-1.4675	-0.3145	-0.6355
1.058	0.242	-1.178	0.629	1.107	0.235	0.135	0.188	0.213	-0.71	-0.129	0.566	1.053	-0.121	-0.743	0.089	-0.002	0.657	-0.611	0.422	0.473	1.347	-0.557	-0.149	-0.723	-0.421	-0.296	-2.999	-1.878	-1.791
1.343	1.506	0.873	1.715	1.768	0.305	0.594	0.723	0.452	0.434	1.032	1.217	1.44	1.363	-0.103	1.251	2.142	2.262	1.987	0.661	1.083	0.765	-0.311	0.264	0.056	0.216	-0.758	-0.008	0.795	0.16
-0.005	-0.018	1.165	0.895	0.323	1.576	0.422	-0.085	0.253	0.728	0.044	0.957	0.539	0.068	0.206	0.4	0.529	0.459	1.203	-0.102	-0.117	0.854	-0.692	-2.419	-2.28	0.05	0.242	-0.9	-1.292	-2.435
-0.172	0.831	0.75	0.839	0.867	0.459	-0.347	0.165	-0.638	-0.282	0.273	-0.386	-0.276	0.259	-0.425	0.31	0.382	-1.209	-0.182	0.145	-0.161	-0.6	0.109	-0.336	-1.024	-0.096	0.106	-0.513	-0.363	-0.357
-0.4835	-0.4065	-0.9505	-1.3055	-0.6575	-0.2875	0.5305	-0.2195	-1.1505	-0.4005	-0.1535	-1.0025	-1.0715	-1.0835	-2.0825	-1.1285	-0.4755	0.0465	-1.2285	-0.6195	-0.3595	0.0855	-0.0445	0.0645	-0.9205	-0.8245	-0.8115	-1.2905	-0.3845	-0.6505
-0.0145	0.2875	0.5595	0.1215	0.6785	-0.1135	0.6955	-0.2335	-0.8305	-0.0975	-0.1255	1.3305	0.0795	-0.4425	0.0025	0.2785	0.1485	0.8675	-0.1775	0.0525	0.1265	-0.3115	-0.7125	-0.4385	-0.6355	-0.2685	-1.0295	-1.5625	-1.0535	-0.7395
-1.3205	-0.9425	0.1035	-0.4075	0.2025	0.0825	0.3325	0.4145	0.3135	-0.2935	-0.4715	1.3935	0.2795	0.9475	0.0535	-0.5255	-0.0885	0.4775	0.2625	0.1655	0.4415	0.4565	-0.3845	-0.2775	-0.5285	-0.1435	0.7955	-0.2695	-0.0935	-0.2875
0.2195	-1.1345	-0.2025	-0.4275	0.1615	-0.0055	-0.6695	-0.7685	-0.5185	-0.1055	0.1485	0.0055	-0.4485	0.2135	-0.2215	0.2825	-0.1905	0.1535	-0.4945	-0.4465	0.4835	-0.0215	-0.4135	-0.7765	-0.8195	-0.6895	-0.6825	-2.0635	-0.9205	-0.9965
0.911	-0.77	-0.632	-0.677	-1.127	0.185	0.857	-0.006	-0.319	0.126	0.549	1.22	0.195	0.446	-0.685	0.22	-0.073	0.287	-0.237	0.316	0.183	1.031	0.012	-0.818	-0.256	-0.473	-0.332	-0.579	0.001	-0.328
-0.5635	0.1085	-0.3965	-0.0715	0.0535	-0.0335	-0.4075	-0.2625	-0.5125	0.1405	-0.1985	-0.2075	-0.8415	0.4875	-0.5995	-0.2965	-0.0095	-0.0195	-0.1805	-0.0225	0.1715	0.4095	-0.1585	-0.2755	-0.1145	-0.2715	-0.3275	0.4095	0.2055	-0.0915
-0.595	0.894	0.654	0.534	-0.48	0.467	-0.422	-0.918	1.138	-1.053	-0.013	-1.484	-1.314	-0.97	1.32	0.431	-0.814	-0.48	-0.378	-0.262	-1.629	0.002	0.482	0.997	1.703	0.639	-0.063	1.428	0.098	0.75
1.0845	0.9635	0.4585	0.2555	0.6345	-0.0535	1.0015	0.7685	-0.8665	-0.4965	1.0215	0.4065	0.3185	0.6955	0.4485	1.0575	1.3575	1.4355	0.5285	0.9205	1.0325	1.1495	0.4515	-0.3065	-0.2295	-0.6845	-1.1255	-1.0375	-0.2375	-0.2405
1.4105	0.6655	0.1665	0.8025	0.0635	0.8965	0.0595	-1.3465	-0.6875	-0.6895	-0.0045	0.2275	0.2465	-1.5305	-1.6325	-1.9255	-1.3265	-0.1185	-0.8385	0.3385	-1.9585	-0.4735	-0.0385	-0.6555	-1.1365	-0.6145	-0.5535	-1.1615	-0.7765	-1.1195
0.4675	0.1305	-1.1515	-0.0285	0.7385	0.4515	1.5415	1.2095	-0.0085	2.7775	-0.3615	1.2215	0.4065	0.0975	-0.4795	0.4625	-0.6055	0.3715	0.3145	0.9435	1.1355	1.4485	-0.3785	0.0535	0.2475	0.3485	-0.2325	0.8125	0.4915	0.3725
-0.82	0.675	-2.398	-1.007	0.198	-0.298	-0.12	0.96	1.671	0.583	0.858	1.344	-0.153	0.266	0.331	0.623	-0.49	-2.3	-1.06	-0.496	1.138	0.489	1.29	-0.771	0.108	0.684	-1.192	0.238	-0.402	-0.85
-0.0885	-1.9845	-0.6015	-0.6155	-0.6585	-1.0325	-1.9265	-3.8795	-2.5015	-0.7825	0.5065	-4.4905	-3.3675	-2.2025	-0.0185	-4.6235	-3.2985	-2.6345	-1.5255	-2.5535	-2.7815	-4.5045	-0.4155	-1.4045	-2.5065	-1.1185	0.5585	-1.8495	1.0335	-0.5165
-0.2995	-1.2005	1.3045	0.0325	-0.6315	-0.7275	-1.1605	-0.3625	-0.3845	-1.3695	-1.2225	0.1475	0.2355	-0.0565	1.2525	-0.7295	-0.7875	1.6685	-0.1915	0.0495	-0.1685	0.2935	-1.0215	-0.5375	-0.4715	0.1495	-0.7775	-0.2035	-1.0895	-1.0415
-0.772	-0.507	-1.139	-0.88	-0.264	0.841	0.871	-0.603	-0.634	-0.81	-0.81	-0.761	0.082	-0.232	1.107	-1.42	-0.447	-0.673	0.07	-0.789	-0.442	-1.228	0.297	0.207	2.583	0.434	-0.054	1.21	1.523	1.053
0.151	-2.06	-1.925	-1.484	-2.505	-0.259	-0.233	-1.144	-0.266	0.003	-0.219	0.204	-0.817	0.273	-1.145	-0.752	-1.12	-0.762	-0.318	-1.056	-0.723	-1.414	-1.008	0.27	0.821	0.121	-0.939	0.349	0.253	0.224
0.0685	0.0615	-0.3085	-0.4585	1.6905	-1.1545	0.3795	0.8385	0.9745	0.6655	1.2255	1.1585	0.0045	1.2765	0.2755	-0.3725	0.4545	1.4815	0.6355	-1.1915	-0.3515	1.3385	-0.0465	-1.4245	-1.2075	-0.4335	-0.3275	0.2515	-0.3125	-0.7595

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-7055 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-7031 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-7032 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-0.5855	0.2115	0.8165	-0.2235	1.1335	0.5815	-0.1725	0.3785	0.2405	-0.0275	1.0225	0.3235	0.9665	0.0275	1.8085	0.8995	-0.1365	-0.2175	-0.3755	1.0385	0.9945	-0.1675	-0.5705	-0.7315	-0.3395	-0.6265	-0.9125	0.0055	0.2205	-0.2715
0.0825	0.2055	0.1775	0.1445	-0.1265	-0.4475	-0.1345	0.0505	0.0015	0.2105	0.0475	-0.1275	0.2615	-0.3015	0.1875	0.6285	1.6905	0.4535	0.4605	0.0945	-0.3525	0.0095	1.2905	0.5935	0.2735	0.7875	0.0825	1.0505	0.3095	0.3425
1.9155	-0.0955	0.8415	1.8215	2.4485	1.5005	0.1765	-0.9975	1.6905	2.1195	2.0475	2.6285	1.4265	1.2645	4.0465	-1.0025	1.2445	-1.7475	2.1325	1.6865	-0.0365	0.5645	2.8795	1.4395	2.2075	1.3615	3.2315	1.1385	3.1165	4.0995
3.6735	3.1235	-0.3705	0.4345	0.2715	-0.1265	2.6315	1.8275	2.6065	2.9475	3.4715	0.4255	1.7595	1.4635	-0.3815	-0.2835	1.1435	-0.5545	2.6155	1.7275	2.5385	-0.4795	0.4095	1.4985	2.1595	2.3435	2.1965	1.7185	1.0885	1.0875
6.8385	5.7815	5.8665	5.2955	3.2155	-0.6565	1.8825	1.9855	3.5345	1.5825	3.8885	1.5505	5.6335	4.9985	-0.1515	2.3535	0.5765	-0.2295	1.4495	0.8465	4.0705	-2.7935	2.8865	1.1815	1.2645	2.2355	2.9785	1.9885	1.8175	1.5575
5.233	4.795	1.423	3.304	0.687	-0.765	0.604	0.242	0.916	3.209	4.379	0.9	3.045	1.488	-0.208	0.652	-0.424	-0.454	1.351	-0.189	2.865	-0.768	0.929	0.608	0.727	1.376	1.707	2.387	1.155	0.385
4.944	4.506	3.713	4.458	1.943	0.54	1.264	1.894	3.694	1.734	3.922	0.502	3.672	3.402	-0.806	-0.969	-0.378	-1.234	2.557	1.079	2.572	-0.953	2.457	1.267	1.499	2.662	2.206	2.328	1.447	0.723
1.372	0.085	1.486	1.533	1.832	2.126	1.378	1.93	0.469	0.721	1.79	0.796	0.613	0.956	1.451	1.836	1.446	1.693	1.366	0.678	1.124	3.182	0.591	-1.87	-1.434	-0.555	-1.73	-2.023	-0.805	-1.898
1.1505	-0.2985	0.4445	0.0885	0.5525	0.3985	1.1245	1.1385	0.3595	0.3325	0.1105	0.9575	0.4915	1.7725	0.5475	0.6325	1.2775	1.7735	0.9145	0.3935	1.3835	1.7195	-0.4395	-0.6295	-0.7795	-0.0435	-0.7805	-0.8885	-0.4915	-0.9675
0.277	1.099	2.67	-0.753	-0.616	1.398	-0.692	0.171	-0.723	-0.414	-0.957	-0.153	0.596	-0.457	0.039	3.715	1.482	0.131	0.247	-0.811	-0.479	-0.121	-0.072	-0.301	-0.343	-0.495	0.408	1.26	0.13	0.179
-0.1325	-0.8085	-0.3285	0.2635	-1.4595	0.0305	0.1975	-0.3095	0.3905	-1.0575	-0.7655	-0.1785	0.6945	0.1815	-0.2205	-0.7735	1.6985	-0.1725	0.3345	0.1695	-0.6715	0.0355	-1.3505	0.1435	0.0515	-0.1125	0.0055	-0.2695	-0.4605	-0.4905
-0.8915	1.7275	0.4225	2.6215	1.0655	0.5435	0.1415	0.4175	0.6575	0.7815	3.1535	1.6175	0.1385	0.2225	0.7145	-0.5355	2.3015	0.1335	1.3285	1.5965	0.8765	-0.4115	-0.3245	0.2215	2.5745	2.3695	2.7395	2.1745	3.4565	3.3395
-1.4215	0.8305	-0.1435	2.1415	0.8965	0.7565	0.2985	0.9475	0.9035	2.2065	2.9655	1.6635	1.0925	0.4665	0.8065	1.3835	2.2255	0.1025	2.0285	2.2945	0.9615	-0.0155	0.0155	1.9675	3.2605	3.3965	2.4305	3.0975	3.8475	3.5415
3.868	1.846	0.368	-0.338	0.324	0.682	1.431	2.373	1.739	2.53	1.782	0.327	1.878	3.055	-2.097	1.454	2.48	-1.521	2.547	1.323	1.611	-0.588	0.868	4.189	2.895	3.791	0.484	1.763	1.931	1.603
-1.642	-2.244	-1.334	-1.705	-1.342	-1.188	-1.812	-1.51	-1.545	-2.363	-2.084	-2.373	-1.108	-1.936	-1.678	-1.028	0.02	-2.427	-1.513	-1.116	-1.057	-2.142	-0.526	-0.453	-0.817	-0.052	-1.354	-0.857	0.074	-0.767
2.9355	3.4785	2.0745	2.6345	1.2995	1.9495	3.8775	3.4185	3.2735	3.5345	1.7725	3.2875	2.8725	-1.2455	-1.5915	-0.3635	3.2985	-3.9255	2.9865	3.9685	2.7065	1.5825	-1.6185	2.0585	2.2605	2.7535	-0.1955	0.2035	0.0215	0.1115
4.32	0.473	4.074	3.454	0.681	0.629	1.13	2.884	3.547	0.051	1.905	0.849	3.116	3.125	-2.551	1.679	0.677	-2.83	3.328	1.288	1.559	0.73	2.761	3.075	2.216	3.63	0.977	0.881	-0.042	0.029
-0.5135	-0.4845	0.3495	-0.3365	-0.1155	0.1425	0.1775	-0.0455	-0.1665	-0.2925	0.1155	0.0245	0.1685	-0.0365	0.2645	0.0905	-0.0375	0.0265	-0.2105	-0.2315	-0.3135	-0.1235	-0.3345	0.1315	0.1145	0.2895	-0.1875	0.4565	0.0805	-0.3165
-0.531	-0.015	-0.6	-0.721	-0.22	-0.372	-0.593	-0.148	0.657	0.113	-0.584	-0.536	0.397	-0.622	0.09	-0.519	0.228	-0.319	-0.118	-0.035	-0.389	-0.167	-1.035	-0.22	-0.306	0.464	-0.156	0.108	-0.24	-0.296
0.9695	-1.8475	-1.4555	0.4185	-1.0095	0.7165	-1.1075	-0.9185	-0.6575	-0.9475	-1.0895	-1.9375	0.6765	-0.7125	-0.7685	-0.7085	-0.8205	0.2745	0.0015	-0.4545	-0.8155	-0.5285	-0.0575	1.7785	0.9835	1.0425	1.1545	1.0935	1.1215	0.8255
0.8945	1.0345	1.7645	0.8545	-1.7255	0.7235	-0.5055	1.6745	1.6785	1.4645	1.3145	0.6645	-0.2775	-0.5505	2.1065	2.2635	-2.1455	1.7745	0.5345	-0.2385	0.4845	0.5025	1.7445	2.1145	2.3945	1.4545	1.4555	2.4255	2.1045	1.6315
0.234	-0.069	-0.417	-0.001	0.267	-0.803	-0.278	-0.389	-0.781	-0.387	-0.447	-0.436	-1.185	-0.275	-0.708	-0.903	-0.641	-1.006	-0.688	-0.522	-0.767	-0.873	-0.692	0.136	-0.181	0.049	-0.693	-0.726	-0.788	-0.711
-0.349	0.025	0.981	0.398	-0.229	0.101	0.272	0.377	0.928	0.116	1.451	-0.14	0.869	0.6	0.267	0.588	1.411	1.676	0.185	1.266	1.204	-0.009	0.943	-0.011	0.156	0.009	-0.392	0.018	-0.224	0.017
0.4685	0.4285	1.1655	1.1055	0.6815	0.7745	1.1385	1.3575	0.7595	0.8955	1.8785	1.9415	0.7665	2.1815	2.0915	0.5795	0.5015	0.6795	0.7445	0.3845	0.4015	1.9625	0.4285	0.8735	1.0995	-0.0285	-0.5605	0.1485	0.1175	0.3985
-2.1845	-0.6525	0.7575	-0.8005	0.4925	-0.5125	1.2725	1.5275	-0.9075	-1.4725	0.0815	-1.8505	-1.7045	1.2915	-0.7025	-1.9325	-0.5955	-1.1685	-0.9155	-0.5255	-1.0365	1.2245	0.5995	-0.5985	1.0445	0.6025	0.7815	0.6085	0.0235	0.1215
0.2785	1.1255	2.4715	1.0335	-0.0755	1.5515	0.6615	1.0675	1.4675	0.8825	1.8535	0.1595	0.5995	1.4365	1.6205	3.5135	1.8685	1.1605	0.3685	0.8795	1.0005	0.7325	3.4105	1.0205	0.4645	0.2885	1.5355	-0.1095	0.9705	0.9165
0.0075	0.1765	0.4615	0.3545	0.0655	0.0885	-0.0915	0.1715	0.3405	0.2815	0.1235	-0.0245	-0.3835	-0.8025	0.0065	-2.2905	0.7505	-0.6895	0.2235	-0.3585	-1.1885	-0.2855	-0.2805	-0.0165	0.2735	-0.3775	0.8135	-1.4595	-0.3445	-0.3545
-1.268	-0.452	-0.737	-0.677	-0.422	-0.103	-0.853	-0.834	0.087	-0.156	-0.551	-1.237	-0.54	-0.633	-0.531	-0.242	0.031	-0.75	-0.22	-0.284	0.309	-0.78	0.773	0.003	0.272	0.009	1.018	0.26	0.459	0.812
-2.223	-1.702	-1.577	-1.483	-1.894	0.559	-2.22	-1.497	0.934	-1.542	-1.422	-2.509	-1.561	-1.858	-1.348	-2.06	-1.746	-1.979	-1.031	0.441	-2.183	-2.09	-1.445	-1.551	-0.575	-0.54	1.16	-0.269	-0.367	0.254
-2.0085	0.5935	0.5945	1.8455	-0.0595	0.7155	-0.2635	-0.7605	-0.7105	-0.8075	1.2125	0.1115	-0.7165	1.3435	1.5085	-0.9565	2.2295	2.5195	2.4195	3.1305	-2.0495	1.2545	1.9925	-1.0495	1.6005	1.0835	-0.0765	0.7095	0.3375	-0.3545
-0.263	0.785	0.33	-0.021	0.005	-0.414	0.243	0.103	-0.165	0.848	0.58	0.466	-0.075	0.631	-0.45	-0.411	-0.392	-0.269	-0.135	-0.249	-0.462	-0.561	-0.993	-0.005	0.145	0.106	0.594	-0.018	0.268	0.259
-0.867	-0.608	-0.122	-0.17	-2.662	-0.142	0.802	-0.337	-1.466	0.873	0.027	-0.229	-2.466	0.184	-0.772	-1.233	-1.571	-2.165	-0.499	-1.008	0.649	0.457	0.984	-0.484	-0.797	-1.335	0.122	-1.418	-0.303	-0.225
-1.742	1.095	-0.419	-0.913	-0.841	-1.518	-0.58	0.133	0.334	-0.975	0.392	-1.443	-1.138	-1.767	-1.118	-2.659	-1.197	-2.667	-1.252	-2.151	-0.535	-2.208	1.191	-0.584	0.623	0.703	-1.061	-0.171	-1.345	-0.059
-0.1085	-0.6285	1.6225	0.0895	0.4915	-1.0545	0.3555	-0.1985	-1.1745	-0.9145	-0.5385	0.4855	-0.4855	-0.3425	0.3985	0.1825	-1.0775	0.5445	-0.3835	0.3015	0.0165	-0.4785	-0.4475	-0.9425	-0.1255	-0.3565	0.1125	-1.3855	-0.7485	-0.4625
0.231	0.08	0.031	1.185	0.34	0.777	0.863	0.407	-0.298	0.677	-0.08	-0.126	1.221	0.354	2.921	0.529	0.203	0.462	0.43	0.265	-0.284	0.436	0.436	-0.822	-0.806	-0.892	-0.783	-0.71	-0.365	-0.985
-0.895	-0.073	-0.62	-0.537	-1.127	0.903	-0.107	-0.672	-0.388	-0.859	1.001	0.306	1.101	0.552	2.605	0.58	0.147	-0.086	0.704	-1.589	-0.517	-2.125	0.675	-0.641	-0.288	-0.288	-0.184	-1.18	-0.141	-0.634
-0.1135	1.3365	1.7475	0.1075	-0.7545	1.5125	1.2275	0.2785	-0.2055	0.0225	0.6285	0.8555	0.0565	-0.1575	0.5245	0.7665	0.4005	0.4755	-0.0345	1.7745	0.3055	1.6185	0.1265	0.0095	0.1795	0.0805	0.4675	0.4075	0.2855	0.0425
-1.7685	-2.3815	-2.0225	-2.0165	-1.9595	-0.9245	-0.8365	-1.3175	-1.2825	-1.1095	-2.5445	-0.6685	-0.0285	-1.9015	-0.8515	-3.5935	-0.6805	-1.7185	-0.9825	-1.5795	-0.6985	-1.5245	-2.2425	-0.2435	-1.0805	0.0975	0.1425	-0.0565	-0.2775	-0.7295
-2.4105	-0.6665	-3.1515	1.7985	0.0125	1.1595	-0.4265	-4.4525	-4.2075	-1.4765	-2.6135	-0.4675	-1.8255	0.2915	-4.1495	-4.6865	-2.7285	-3.9125	-1.0395	-1.7695	-2.8765	-4.3405	-4.0095	-1.3895	-2.4285	-1.0095	-0.4125	-2.0935	-0.4725	0.6385
-0.2315	-0.9065	-0.6015	-0.4785	-0.7195	-0.6115	-0.6775	-0.3585	-0.3715	-0.1165	-0.4265	-0.5685	0.0415	-0.3805	-0.0775	-0.1915	-0.1895	-0.3505	-0.1575	-0.4505	-0.2485	-0.7455	-0.0495	0.0835	0.0165	0.2835	-0.3805	1.0425	0.0815	-0.0805
-1.0325	0.5625	-1.4465	0.1245	-1.0665	-0.7485	0.7295	-0.1985	0.1675	0.5305	-0.9115	-1.3455	-0.8125	-0.2825	-0.0315	-1.9245	-1.7615	-0.6085	-0.2835	-1.5425	0.2225	-1.0855	-0.1475	0.0355	0.6585	-0.3085	-1.3845	1.0535	0.2375	0.3435
-1.875	-1.104	-0.938	-1.088	-1.272	-0.7	-0.56	-0.88	-1.409	-0.957	-2.091	-0.755	-1.241	-0.479	-0.928	-1.46	-1.042	-0.824	-1.001	0.005	-1.569	-1.687	-1.224	-1.252	-1.204	-1.236	-0.392	-2.074	-0.798	-1.46
3.031	0.43	1.808	-1.095	2.056	-0.028	-1.181	0.667	0.128	0.14	-0.591	0.541	1.269	0.394	0.297	0.713	0.365	-1.055	-0.033	-0.467	0.142	-0.221	0.531	-0.113	-0.855	0.385	1.176	0.332	0.273	0.458
-1.6045	-1.8755	-1.5205	2.5685	2.3965	0.7095	0.6515	0.4665	0.2465	-0.6385	-0.6115	1.3945	-0.4615	2.1395	-0.7075	-1.6195	-1.0115	-1.4775	2.8365	1.2245	1.6885	3.7555	-0.1535	0.4775	0.9395	1.2465	2.8725	0.5975	1.7805	1.2785
0.022	2.166	-0.46	-0.892	-0.172	0.485	2.024	0.358	0.546	0.576	1.441	-0.476	-0.112	-0.345	-0.629	-0.35	-0.126	-0.474	0.016	-0.402	0.628	0.522	-0.258	-0.367	-0.329	-0.475	-0.408	0.169	0.163	-0.32
-1.438	-2.179	-2.838	-1.337	-2.85	-1.032	-0.516	-1.688	-1.884	-1.47	-1.558	-1.355	-1.518	-3.004	-2.448	-2.436	-1.567	-2.888	-1.295	-1.26	-1.425	-2.082	-1.462	-0.999	-1.376	-0.465	-0.424	-1.017	-0.439	-0.672
0.9575	0.6675	0.6025	1.5135	0.3035	1.2385	1.3805	-0.2645	-0.3145	-0.2235	0.9185	0.7405	1.6915	-0.0315	-0.2425	-0.5645	-1.1615	-1.0085	-0.0595	-0.5595	0.5255	-0.1195	-0.5605	-0.7685	-0.7635	-0.6325	0.4325	-0.5525	-0.1555	0.2815
0.548	-0.438	-1.292	-0.418	-0.747	0.52	-0.059	0.468	1.22	-0.579	-0.356	-0.688	1.34	0.92	0.75	0.66	0.68	0.193	0.567	1.64	-0.527	0.26	0.065	-1.189	-0.633	-1.015	0.28	-0.93	-1.131	-0.55
0.653	0.037	1.039	0.522	1.509	1.26	1.292	-0.043	-0.311	-0.349	-0.056	1.544	0.488	0.284	0.684	0.07	0.897	0.444	0.347	0.911	0.997	0.771	-0.359	-0.56	-0.396	-0.446	-0.268	-1.204	-0.53	-0.377
0.003	-1.711	-1.044	-1.419	0.142	-0.926	-0.053	-1.157	-0.698	-1.667	-0.831	-1.445	0.818	-0.526	-1.053	-0.614	-1.495	-1.537	-0.728	0.388	0.358	0.131	-0.499	0.317	0.566	0.584	0.196	0.27	-0.064	0.209
0.698	-0.074	-0.568	-0.769	-1.058	-0.677	0.119	0.225	-0.692	-0.024	-0.232	0.229	-0.138	0.791	0.678	-0.381	0.019	-0.007	-0.16	-0.159	0.921	0.612	-0.849	-0.567	-0.501	-0.288	-0.375	-0.462	-0.252	-0.254
-0.0305	-1.2815	-1.3985	-0.1145	-1.7425	-1.6595	-1.5535	-1.2555	-1.4775	-1.3275	-2.0085	-0.8085	-0.9895	-1.7695	-1.6885	-2.1305	-0.0285	-1.5705	-1.2075	-0.9805	-1.4665	-0.9715	-1.1465	-1.1695	-1.0585	-0.1165	-0.6705	-0.3365	-0.6295	-0.8895
-1.4575	0.1505	0.4295	-0.4235	0.0895	-0.4595	0.0935	-1.0045	-0.1535	0.3905	-0.0685	-0.8235	-0.7535	-1.5535	1.4665	1.0555	0.4695	0.9275	0.5705	0.1665	-0.7205	-0.2385	0.7815	0.1975	0.7625	-0.1205	1.0395	0.8705	0.8795	0.4155
-0.4855	0.5955	0.4875	0.9065	4.4545	5.0335	-0.0815	-0.0025	0.3795	0.1935	1.6325	1.3535	2.6025	4.2325	-0.2875	4.5815	0.4495	-0.3745	-0.5265	-0.1465	-0.1975	-1.2705	0.7665	-0.2115	-0.2705	-0.0145	0.0455	-0.2055	-0.4285	0.3905
-1.542	0.021	-1.346	-0.552	-1.135	-0.456	-1.046	-1.049	-0.673	-0.543	-1.203	-1.137	-1.325	-1.152	0.622	0.145	-1.089	-0.765	-1.124	-1.501	-1.082	-1.537	-0.263	-1.309	-1.334	-1.229	-1.145	-1.489	-0.735	-1.139
0.9085	-0.7425	-0.3085	0.8955	-0.3025	-0.9775	-0.1165	0.1615	0.1035	-0.5495	-0.3325	-0.7605	0.5745	0.6285	0.5985	1.4345	0.9095	1.2275	0.2635	0.2815	-0.8875	-0.6445	0.8295	-0.2875	-0.3055	-0.1055	-0.3275	-0.2275	-0.3565	-0.5375
-0.716	0.033	-0.114	0.534	1.352	0.219	-0.84	-0.304	-0.475	0.068	-0.638	1.005	-0.121	-0.757	0.096	-0.399	-0.594	-0.393	-0.734	-0.118	0.161	-0.932	-1.18	-0.899	-1.458	-0.906	0.098	-1.616	-0.988	-1.444
-2.1	-2.334	1.15	-1.346	-0.29	0.759	0.629	1.673	0.348	0.501	1.385	-2.378	0.666	-1.635	-0.098	-2.34	-0.975	2.078	0.892	1.897	0.736	-1.43	1.727	0.007	0.562	0.131	-1.575	-0.78	-0.007	-0.949
-0.8815	-0.9145	-0.8405	-1.0405	-0.7775	-0.1945	-0.3165	-0.2485	-1.1165	-0.3865	-0.2225	-0.6555	-0.9075	-0.7955	-0.0995	-0.2885	-0.2495	-0.2565	-0.6135	0.1565	0.5925	-0.2915	-1.0605	-0.7045	-0.4385	-0.5085	-0.6765	-1.7145	-0.2935	-0.3825
-2.0235	-1.3545	-1.6665	-1.5105	-0.7795	-0.6645	-0.4785	-1.1745	-1.0905	-0.6245	-0.9725	-2.2615	-1.6545	-1.9785	-0.8385	-1.0675	-1.2365	-0.1875	-0.7445	-0.4585	-0.9035	-1.0925	-1.3325	0.2015	0.0075	0.6305	0.1965	-0.2585	0.8205	0.5965
-0.5595	2.1525	1.9645	0.4775	0.2745	0.5425	-0.0775	1.3535	1.6755	1.9165	1.9335	-1.0345	-0.9935	-0.0025	0.7075	1.7975	-0.5395	-1.1045	-0.1125	-1.0715	0.7325	0.3185	2.1705	0.0245	0.1945	-0.2685	-0.8935	0.5745	-0.0035	0.2885
2.0585	0.5915	2.0875	2.0565	2.6505	0.6025	1.6485	0.5455	0.9985	-0.0195	1.1605	2.0005	2.3625	1.3575	2.6245	1.4815	1.1765	1.4535	1.3605	0.8465	0.2585	0.1955	1.1605	-0.5365	-1.3045	-0.5035	0.1395	-1.0065	-1.7715	-1.3155
-1.513	-1.01	-3.265	-0.926	-1.664	-0.012	-0.433	-0.657	0.69	-0.121	-2.07	-1.984	-1.057	-0.772	-0.945	-1.198	-0.764	-2.683	-0.582	0.464	-1.942	-1.065	-0.555	-0.444	1.789	-0.364	0.591	0.248	-0.41	0.471
-0.402	-0.272	-0.215	0.558	-0.863	-0.053	-0.838	-0.578	-0.724	-0.754	-0.531	-0.697	-0.891	-0.809	-0.514	-0.705	-0.886	-0.811	-0.922	-0.428	-0.895	-1.013	-0.941	-0.614	-0.148	-0.672	-1.629	-1.229	0.017	-0.153
-0.1335	-1.3315	0.6715	-0.5725	-0.7575	0.3845	0.5455	1.0655	-0.0375	-0.2125	0.0995	0.3795	0.7945	0.5255	1.0025	1.1235	0.1625	0.9545	1.5235	0.5105	0.9345	0.7645	-0.2015	0.0095	-0.0945	-0.0135	-0.0635	-0.6525	-0.0705	-0.3435
-0.1225	0.5235	-0.8005	0.0395	0.3435	0.6525	0.3915	0.7675	0.6735	1.1545	-0.0155	0.4445	0.1185	0.4935	0.5945	1.3105	0.0385	0.7045	0.2055	0.6285	-0.3795	1.0745	0.5445	-0.4325	-0.2545	0.0075	-0.3895	-0.2215	-0.5405	-0.5975
-0.6355	-0.4105	3.1595	2.2625	-0.2315	0.7655	-0.4715	-0.1115	-0.1175	-0.4845	2.0915	-0.4505	-0.1525	0.0035	1.9615	3.3215	0.6405	2.1975	1.7515	3.8115	0.1675	1.7225	2.0235	-1.3945	0.6405	0.8865	-0.6275	-1.2435	-0.6945	-0.4005
0.513	1.08	4.327	1.996	0.804	2.888	1.146	-0.097	-0.106	-0.168	-0.125	3.127	0.548	3.538	-0.08	0.748	1.497	0.026	1.163	1.551	4.28	1.198	0.81	0.805	-0.068	0.084	1.897	0.251	1.028	0.36
0.718	0.658	2.587	1.847	-0.189	0.928	0.979	1.727	0.804	0.268	1.812	2.143	1.735	0.523	0.79	-0.143	1.141	2.243	1.068	1.848	1.244	1.169	1.01	-0.011	0.346	1.48	0.605	-0.658	-0.402	0.348
0.285	0.875	1.745	2.935	0.585	1.144	0.805	1.065	0.637	1.155	1.605	1.245	1.366	1.201	1.191	1.647	1.028	1.755	0.945	0.504	0.875	2.933	0.015	-1.665	-1.985	-1.235	0.28	1.076	-1.025	-1.482
-0.759	0.253	-0.508	-0.091	-0.699	0.258	-0.107	-0.268	-0.166	-0.605	-0.629	0.947	0.203	-0.544	-0.232	0.304	0.652	0.048	-0.173	0.085	-0.251	-0.319	-0.142	-0.572	-0.099	-0.422	-0.641	-0.572	0.085	-0.152
-0.471	-0.088	-0.286	1.285	0.376	-0.732	-0.549	0.287	0.036	-0.491	-0.692	0.296	2.872	-0.284	-0.31	-0.123	1.898	-0.317	-0.168	-0.012	0.196	-0.373	0.193	1.092	0.568	1.027	0.402	0.177	0.567	0.772
-0.9425	-0.4485	-1.0275	2.3205	-0.4605	-1.6165	-0.6045	-0.2565	-0.1125	0.4905	-1.4505	-0.2025	3.1565	-0.4925	-0.2465	-1.9855	2.6035	-0.2755	0.1635	-0.7075	0.9725	-0.0795	0.3365	0.8735	0.3275	0.3225	0.0935	0.6755	0.5895	0.1705
-0.6	-0.058	-0.393	1.526	0.463	-0.63	-0.649	-0.098	0.46	0.065	-0.675	0.153	3.13	0.27	0.14	-0.35	2.35	-0.418	-0.13	0.12	0.53	0	0.761	1.031	0.423	0.907	0.25	0.35	0.145	0.31
-0.9215	-0.5815	-1.0055	2.2695	-0.6265	-1.3475	-0.2525	-0.6085	-0.3395	-0.0735	0.5785	5.7185	4.5545	-0.5605	1.4345	-1.8775	2.7775	0.0225	0.4485	-1.6615	0.7375	0.0695	-0.4325	0.7985	0.6175	-0.0655	-0.0835	0.6875	0.9875	-0.1695

WO 2007/061876 PCT/US2006/044737

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-7052 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-7031 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-7032 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-0281 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
1.8095	1.0705	-1.6315	-1.2765	-0.8975	-0.3125	-0.4645	1.0925	1.2325	1.1885	1.4845	-0.3605	0.1545	1.1275	1.6725	0.6565	0.7595	-1.0925	0.0105	-0.6905	1.2775	1.8425	0.7325	0.2625	0.5845	1.0315	0.8015	0.5075	1.2495	0.8595
0.517	1.555	1.819	0.962	1.225	1.297	1.97	1.186	0.749	0.454	1.269	1.693	1.732	0.482	1.151	1.679	3.045	-0.028	1.564	1.849	1.179	0.397	0.515	0.104	1.373	-0.105	1.192	-0.029	0.501	-0.229
0.5625	-0.1545	0.2645	-0.7335	1.0515	0.2545	-0.2405	-0.3115	-0.9075	0.2395	1.5335	-0.3885	-1.0705	-1.0475	-1.0775	0.4695	-0.8525	0.1565	0.0665	-0.2525	-0.3055	-0.4685	-0.0665	-0.3135	-0.5005	-0.2175	-0.7335	-0.6885	0.2235	-0.2695
0.4595	1.3585	1.8535	0.6545	-0.6725	-0.1925	0.4945	1.0815	-0.9655	-0.4505	0.2545	1.4985	0.2235	-1.0265	0.2535	1.8225	-1.2585	0.9725	0.6005	-0.3765	-0.1945	0.0885	0.1875	-1.6305	-2.1525	-0.4805	-1.1085	-2.3045	-1.6715	-1.8605
0.036	0.017	0.411	0.693	0.274	0.257	-0.003	0.494	0.695	0.063	1.037	-0.6	-0.243	0.181	0.52	0.384	-0.019	0.662	0.536	0.695	0.07	-0.248	0.586	-0.121	-0.024	0.618	-0.068	-0.048	-0.274	-0.058
0.632	1.357	0.875	0.005	0.542	-0.537	-1.151	-1.336	-0.91	-1.67	-0.457	0.155	0.158	1.094	-0.983	0.264	-0.746	-0.225	0.405	-0.27	-0.677	-0.005	-1.336	-0.692	-0.852	1.216	-0.843	-0.107	-0.694	-1.222
0.6415	1.7355	3.8825	1.7415	1.6425	1.4275	1.3975	2.8835	-0.1495	-0.6415	3.0775	2.5855	1.9365	-0.7165	0.2215	3.8015	0.8685	2.8965	0.4065	3.1725	2.4045	1.9355	1.3455	3.1875	1.3475	2.0945	1.2565	0.0275	-0.6025	0.1315
-0.9765	-0.5765	0.3415	-0.0735	-0.4325	-0.0055	-0.8905	-0.2105	0.1015	-0.2855	-0.0305	-0.4475	0.6975	-1.1825	0.4515	-0.4295	0.6975	1.7765	0.8845	1.1175	0.2365	-0.0325	1.4805	-0.4205	-0.6065	-0.4185	-1.0685	-1.2235	-0.5995	0.0995
-2.039	-0.858	-2.38	-1.56	-1.228	-0.335	-1.016	-0.782	-1.579	-1.982	0.597	-0.944	-0.507	-1.157	-1.044	-2.033	-0.471	-0.869	-0.02	-1.599	-0.93	-1.685	-1.508	-0.318	-0.805	0.337	0.245	0.091	1.102	0.264
0.546	-0.129	1.222	0.245	0.497	0.66	0.037	0.149	1.025	0.062	1.389	0.364	0.479	0.396	0.441	1.041	1.042	1.136	0.941	-0.3	-0.313	1.49	0.58	0.421	0.234	0.162	-0.05	0.18	0.451	-0.165
0.7375	-0.2565	0.8585	-0.1655	-0.0555	0.3825	0.4875	0.3055	1.2485	-0.2515	1.2235	0.4485	0.1695	0.2145	0.4795	1.1215	1.4945	0.7465	1.1075	0.0385	0.6325	0.5265	1.3135	-0.1275	0.1745	0.2155	0.2275	-0.4845	0.1595	-0.1485
2.6165	-0.0005	3.2625	2.1915	-0.4495	0.4735	0.8035	-0.5615	1.1825	0.1995	-0.3065	1.9785	0.6115	1.5855	0.5135	-0.6665	1.5165	-1.5295	0.0715	2.5285	1.4145	-0.5885	0.2275	0.2135	-0.0355	0.7265	2.3875	-0.5865	0.1605	1.2655
-0.458	-0.585	-0.25	-0.834	-0.34	-0.673	-1.789	-1.237	-2.381	-1.771	-2.298	-0.693	-0.459	0.058	-2.239	-2.771	-1.591	-1.304	-1.415	-2.072	-1.809	-2.655	-1.707	-1.226	-1.865	-0.739	-0.775	-1.444	-0.825	-0.806
0.0425	-0.2935	-0.0015	-1.0165	0.7825	0.5115	0.7955	0.3235	1.0815	0.5436	0.6265	-1.3265	0.0285	0.3435	0.1225	0.7915	1.2365	-2.4685	0.8055	0.9215	1.1185	0.4725	0.6465	-0.3875	-0.6605	-0.5435	-0.6525	-1.4925	-1.6035	-1.1765
1.7275	2.6455	1.8595	3.1585	1.1525	0.9985	0.4575	0.3775	0.1365	2.3745	2.5065	1.8315	2.2955	0.2195	0.5255	0.2195	0.0025	0.3625	0.3935	1.0445	0.2935	1.6725	-0.4165	-0.2935	-0.1365	-0.4165	1.3145	0.4685	0.7765	0.7035
0.979	-0.12	0.02	-0.527	0.464	-0.53	-0.426	0.079	-0.415	-0.221	-0.03	1.807	0.475	0.37	0.081	0.563	0.236	0.036	-0.414	0.053	1.266	-0.175	0.153	-0.177	-0.19	0.345	-0.421	-1.194	-0.346	-0.455
0.9835	-0.0905	-0.0445	0.4335	0.5985	0.1285	-0.5425	-0.7455	-0.0005	-1.0535	0.3675	-0.9645	0.0165	-0.1245	-0.7815	-0.4575	-0.3195	0.0005	-0.3075	0.0055	0.0695	0.0455	0.6445	-0.8345	-0.7935	0.2375	-0.4585	-0.4555	-0.4405	-0.7645
0.95	0.362	0.308	0.41	0.265	-0.07	-0.523	-0.24	0.916	0.191	1.133	-0.068	0.051	0.826	1.056	-0.46	0.694	0.508	0.591	1.246	0.01	0.629	1.036	0.522	0.614	0.703	-0.518	1.065	0.16	-0.494
-0.6675	-1.1425	0.4005	-1.2705	-1.6575	-1.8995	-0.0415	-2.8035	-0.8645	-1.3675	-1.0105	0.2255	-0.8465	-2.1045	-2.8595	-0.9255	-1.2825	-2.1955	-0.7195	-2.3585	-2.8445	-3.6965	-2.0125	-2.0375	-1.4675	-0.2685	-0.2645	-1.0445	-0.8925	-1.5345
1.4535	1.1235	-0.0315	1.4505	1.5255	1.2855	-0.2925	-0.5365	-0.0945	-1.0015	1.3315	-1.1755	-0.2965	0.5365	0.6805	1.6005	-0.0545	-0.8595	0.3305	-0.1455	-0.4445	1.6295	1.2605	-0.3865	-0.1435	0.2285	0.6305	-0.4675	0.3355	0.7075
-0.887	-0.603	0.032	-0.231	-0.002	0.889	1.195	0.936	0.805	0.919	-0.116	-0.542	-0.473	-0.055	-0.007	1.075	0.076	-0.311	0.413	0.743	0.748	0.888	-0.142	0.43	0.644	0.53	0.268	0.348	0.426	0.133
-0.398	-0.702	1.289	-0.143	0.903	0.259	1.98	0.822	1.02	0.498	0.558	0.191	0.103	0.844	1.905	0.776	0.926	0.212	0.196	0.539	1.001	0.838	4.383	-0.201	0.084	0.12	-0.732	0.438	0.13	0.002
-1.041	-0.508	-1.625	-0.521	-0.779	-0.242	-1.546	-0.923	-0.98	-0.324	-0.744	-0.23	-1.471	-0.554	-1.011	-1.064	-1.167	-1.291	-1.068	-0.663	0.057	-0.486	-0.938	-0.648	-1.082	-0.149	0.09	-1.087	-0.545	-0.515
-0.688	-0.605	-0.227	-0.181	-0.38	0.288	-0.497	-0.44	-0.42	-1.148	-0.94	-0.403	0.482	0.052	-0.325	0.328	0.038	0.45	-0.106	0.745	0.34	-1.245	-0.282	0.374	-0.436	0.057	0.32	0.168	-0.059	0.208
-0.3285	-0.3535	0.4625	-0.1155	0.4595	0.3705	-0.1125	0.8855	0.4615	-0.0605	0.0625	-0.0565	0.2575	0.5595	0.3545	0.3875	0.2445	0.5185	0.0465	0.4945	-0.1285	-0.7765	0.3505	-0.0475	-0.2855	0.0035	-1.1235	-0.2105	-0.0135	-0.5325
0.044	-1.328	-0.661	-0.565	0.068	0.187	-0.785	-0.266	0.047	-0.324	-0.126	-1.273	-0.169	-0.701	-1.048	0.248	0.303	0.161	-0.386	0.693	0.356	-0.433	0.814	-0.279	-0.663	-0.531	-0.157	-0.91	-0.629	-0.567
0.009	2.066	2.135	0.038	2.244	-0.376	-0.221	0.159	-0.119	-0.177	0.971	1.759	1.349	1.805	1.609	2.159	0.492	2.627	0.45	1.649	1.875	1.203	2.069	0.023	-0.016	0.094	-0.43	0.398	0.313	-0.903
0.5055	0.4455	-0.2445	0.3315	1.1165	-0.6245	0.6395	0.4705	0.0695	0.4125	0.3905	-0.1165	-0.0355	-0.3145	-0.4075	-0.0745	0.0715	-0.0255	-0.2615	-0.0745	0.6655	0.6735	0.3645	-0.3225	-0.4785	-0.5005	0.2455	-0.0145	-0.2845	-0.1555
0.642	0.377	0.783	0.946	0.903	0.7	0.479	-0.221	0.831	-0.048	0.42	-0.224	0.857	-0.213	0.888	-0.036	0.82	0.491	0.557	0.438	0.078	1.147	0.78	0.22	0.178	0.458	0.171	-1.07	-0.5	-0.312
1.228	0.989	0.243	0.677	0.635	-0.078	1.415	1.935	2.021	1.406	0.453	1.065	1.412	1.97	-0.078	1.518	0.262	-0.107	2.005	1.374	1.229	1.308	0.178	-0.558	-0.608	0.064	0.048	1.112	-0.285	-0.159
-0.88	0.543	-0.037	1.779	-0.451	-0.115	-0.332	-0.562	0.311	0.413	0.185	-0.232	-0.673	-0.321	0.235	-0.022	-0.39	-0.819	-0.833	0.48	0.163	-0.465	-0.406	-0.376	-0.06	-0.389	-0.056	-0.544	-0.003	-0.231
-0.115	0.172	0.551	1.167	1.05	1.59	1.14	0.572	0.885	1.024	-0.227	0.871	1.984	1.308	1.358	1.956	0.275	0.738	0.67	0.765	1.358	1.852	-0.5	-0.034	-0.135	-0.342	0.629	-2.033	-0.183	-0.533
0.007	0.788	1.953	1.02	-0.867	-0.003	-0.403	0.014	-0.102	0.187	1.241	-0.317	2.218	0.499	0.496	0.533	2.6	1.808	-0.033	0.758	1.738	0.269	1.328	0.751	0.859	-0.165	0.361	-0.15	-0.196	-0.178
0.359	0.524	2.23	1.721	-0.608	-0.131	-0.206	0.347	1.027	-0.092	1.549	-0.354	1.926	0.824	0.848	0.951	3.138	2.57	0.627	1.507	2.105	0.327	3.157	0.518	0.449	-0.164	0.768	-0.42	-0.753	0.068
0.4095	0.6365	1.8825	1.4245	-0.8625	-0.3595	-0.1975	0.5275	1.1595	-0.2205	1.1575	-0.4075	2.1555	0.9045	1.2835	1.1905	3.2505	2.4455	0.7715	1.4545	1.7365	0.3325	3.5505	-0.0445	-0.2135	-0.0585	0.6505	-0.5645	-0.7315	0.1165
0.0775	0.0005	1.8695	1.7555	-1.0385	-0.1995	0.3905	1.1045	0.7755	-0.5495	1.7045	-0.3245	2.1595	0.5185	0.5505	0.3285	2.4075	2.5765	0.4535	1.5045	2.5135	0.8605	1.4555	0.8005	1.4765	-0.0185	0.8295	-0.8295	-0.9065	-0.1255
-0.13	-0.169	1.457	1.059	-1.108	-0.049	-0.032	0.588	0.823	-0.166	1.338	-0.218	2.169	0.866	0.737	1.401	2.886	2.53	0.511	1.23	1.887	0.178	3.107	0.885	0.645	-0.323	0.438	0.306	-0.62	0.945
0.0165	1.3315	0.4825	0.8875	0.5735	0.1695	1.4075	1.6765	0.6145	0.8745	1.4235	2.3045	0.4165	1.2755	0.8095	1.4495	0.4085	0.8625	0.3115	0.3535	-0.1285	0.3495	0.4755	-0.7395	-0.9215	-0.5775	0.2685	-1.2565	-0.3295	-0.3265
-1.313	-0.365	-0.648	-0.298	-1.126	-0.433	-0.755	-0.664	-0.508	-1.675	-1.54	-1.547	-1.03	0.275	-0.618	-1.585	0.046	-0.866	-0.358	-0.188	-1.087	-1.683	-1.401	0.114	0.624	-0.534	0.454	0.149	0.188	0.673
0.603	1.409	0.584	1.004	0.98	-0.333	0.578	0.429	0.518	-0.78	0.011	0.795	0.193	2.03	1.257	0.181	-0.383	-0.236	-0.069	-0.831	1.12	-0.503	1.542	-0.813	-0.686	0.427	-0.758	0.258	0.236	-0.232
2.288	2.342	2.719	0.932	0.03	1.626	1.324	-0.129	1.127	0.128	0.302	0.934	1.356	0.936	0.903	1.201	-0.193	0.78	0.83	2.645	2.002	0.918	-0.366	1.099	1.684	2.071	1.332	1.219	1.274	0.214
0.2455	-0.4015	2.5805	2.8255	0.6415	0.0755	0.4325	0.8075	0.4915	1.3715	0.9865	0.4815	1.2555	1.0755	0.7525	0.1705	0.7265	1.6735	0.0935	0.5855	1.2875	1.9955	1.4535	0.2365	-0.5785	-0.2455	-0.0885	-0.3825	-0.3235	0.4635
-0.6135	0.5325	0.6345	-0.2455	0.6845	0.2435	-0.1615	-0.1655	-0.3025	0.0565	1.0335	0.8615	-0.7615	-0.5305	0.4765	0.8335	-0.3525	-0.3455	0.6415	-0.8865	0.4545	-0.3845	1.5095	-1.1515	-0.8215	-0.2105	-0.9115	0.8365	0.5115	-0.1015
-0.947	-0.527	-1.124	-1.08	-0.088	-0.262	-0.786	-0.719	0.212	0.065	0.383	-1.402	0.001	-0.574	-0.568	-0.701	-0.265	-0.77	-0.39	0.203	0.209	-1.104	-0.951	0.162	-0.112	1.377	0.814	-0.482	1.363	-0.224
0.67	0.458	0.104	0.139	1.305	0.688	1.479	0.927	0.682	0.165	0.747	1.955	0.978	0.721	-0.406	1.777	0.001	0.854	0.612	0.689	0.337	0.599	-0.315	-0.245	-0.179	-0.039	0.275	-0.531	-0.366	-0.523
0.3085	-0.7075	-0.3795	-0.2355	0.1395	-0.6775	-0.5475	0.0795	-0.3975	-1.0725	-0.0815	-0.7655	-0.3655	-0.1165	0.2395	0.6175	0.3365	-0.0685	-0.3945	-0.7165	-0.1385	-0.7375	-0.2725	-0.6725	-0.3185	0.0065	-0.5785	-0.0105	-0.3735	-0.6315
-0.295	-0.731	-0.066	-0.162	-0.226	2.013	0.384	-0.361	-0.663	-0.005	0.58	-0.707	-1.109	-1.838	-1.286	-0.583	-0.83	-1.955	-0.608	-0.08	0.316	-0.685	-0.427	-0.062	-0.302	0.104	0.207	-0.453	-0.334	-0.1
4.6295	4.1435	3.3705	1.8025	-0.9565	2.5645	1.2605	2.7675	2.0945	3.4035	5.5585	3.1455	0.5045	0.0345	1.8445	3.7445	1.9245	1.0835	3.7215	2.0545	3.5635	0.0745	3.6135	1.5755	1.2975	2.4585	3.0645	2.6845	2.4005	1.5545
1.065	1.268	0.017	0.455	-0.578	0.789	2.777	1.184	2.484	1.787	0.271	1.61	0.2	0.526	1.43	0.942	0.528	1.108	1.366	0.784	1.809	2.224	0.565	0.73	1.008	0.648	0.536	0.254	0.769	0.772
1.4915	1.2315	0.0095	0.5745	-0.4385	1.0125	3.5805	1.4725	2.3045	1.7355	0.4375	1.9565	0.3755	0.6165	1.5565	1.0345	0.9595	1.3925	1.5275	1.1655	2.1125	2.5085	1.1165	0.5715	1.0255	0.3635	0.6175	-0.1105	0.9885	1.1105
1.0995	1.6235	0.0545	0.4335	-1.1985	1.3605	4.3355	1.9535	3.3935	1.8715	0.3125	3.0735	1.2925	1.0445	2.8145	1.6075	0.6815	2.1615	2.2845	0.8635	1.9705	2.7135	0.5395	1.2595	1.9105	0.9095	0.7745	1.6965	1.4345	1.3225
0.347	-0.348	2.021	1.051	0.584	0.439	0.087	0.572	-0.139	-0.324	2.33	1.922	-0.087	0.436	0.486	0.999	0.156	0.954	0.122	-0.004	-0.999	1.449	0.124	-1.529	-1.931	0.341	-0.998	-1.615	-0.682	-1.43
-0.7235	-1.0915	-0.5325	0.7155	-0.6875	0.4395	-0.6755	0.8365	-0.2965	-0.1695	1.4395	0.7005	0.2385	-0.5125	-0.4925	0.1095	0.0725	0.0975	-0.2065	0.3955	0.8935	0.0085	1.4185	-0.3675	-0.3055	-0.0085	0.0655	-0.9585	-0.6315	0.2285
-0.0065	3.2885	2.0515	-1.4675	4.9855	-1.3365	4.6735	3.8855	1.0225	0.7475	0.1395	1.0125	2.9295	0.6545	0.5365	3.5585	1.2735	-0.9655	4.8635	3.2215	5.0265	-0.3665	0.0255	-0.1605	-0.7505	-0.4495	-1.2335	-1.2045	-0.5155	0.0785
1.083	1.623	2.485	1.756	0.728	2.581	1.219	1.668	2.48	1.203	2.029	1.797	0.836	0.629	-0.048	3.422	-1.665	2.272	1.028	2.311	1.732	1.541	0.656	0.488	1.702	3.629	1.082	0.677	-0.05	0.361
0.15	-0.261	0.135	-0.594	-0.167	0.539	0.521	-0.037	-0.099	-0.069	-0.404	-0.161	0.398	-0.366	-0.609	0.005	-0.13	0.049	0.341	0.334	0.078	0.203	-1.2	-0.477	-0.532	-0.842	-0.549	-0.79	-0.441	-0.601
0.1725	0.1165	0.8745	1.0495	0.2275	0.1045	0.4855	0.3745	-0.0935	-0.3565	0.1455	0.8665	0.1985	0.4475	0.1935	0.1495	1.1455	-0.0145	-0.0725	0.8165	1.2315	-0.9625	-0.6045	-0.5475	-0.8175	-0.7255	0.1385	-1.1155	-0.1475	-0.6465
0.6045	1.0065	0.8425	0.0575	2.0475	2.5555	0.9415	0.0095	0.2885	0.0365	0.9235	0.4365	0.8385	1.4065	0.6035	1.5875	1.0945	1.0285	0.4105	1.7225	0.7265	0.9975	0.1625	-1.0155	-1.0685	-0.4715	0.5425	-1.3455	-0.5965	-0.7715
-0.66	-0.723	-0.598	-1.095	-0.305	-0.214	0.677	-1.005	0.18	0.303	-0.166	-1.329	-0.217	0.099	-0.541	-0.97	0.677	0.155	-0.311	0.58	-0.001	-0.105	-0.164	-0.249	-0.297	-0.045	0.272	-0.506	-0.099	-0.162
0.5765	0.7315	0.3245	0.6815	0.7365	-0.0565	0.1315	-0.8385	-0.6035	-0.4095	-0.3895	-0.2725	0.2735	-0.1045	0.9785	0.0085	0.0285	0.1585	-0.0335	-0.0325	-0.0615	0.4375	0.2795	0.1435	-0.1815	0.0335	0.4695	-0.6175	-0.1135	-0.0005
0.0945	-0.9585	0.0555	-0.1065	-0.1685	-0.1755	-0.2755	-0.5515	0.3665	0.2795	-0.0085	-0.6385	-0.9105	-0.4075	-1.1615	0.2275	-1.0495	-0.7105	-0.5335	0.1795	-0.0995	-1.1445	-0.8935	-0.3795	-0.2795	-0.2505	0.6495	-0.5385	-0.9265	-0.2725
-0.931	-0.599	0.121	-0.315	-0.068	-0.037	-0.531	0.12	0.515	0.485	-0.705	0.343	-0.892	0.079	-0.709	0.424	0.927	-0.328	-0.047	0.231	-0.286	-1.263	-0.508	-0.477	-0.617	-0.195	0.403	0.069	0.497	-0.337
0.1555	0.5735	0.1995	0.2925	1.1905	0.4955	0.7645	0.6815	0.7815	0.6655	0.8925	0.3205	1.0655	0.3595	0.2285	0.7715	-0.1425	0.0805	0.2985	0.7255	-0.1885	0.3985	0.9445	0.0025	-0.1895	1.2045	0.6395	-0.3625	0.0555	-0.3285
0.755	-0.5	0.422	0.132	0.747	-0.058	0.569	0.538	0.279	0.23	0.279	0.67	-0.28	1.015	0.272	0.791	0.704	1.013	0.236	0.259	0.022	-0.013	0.23	-0.36	-0.233	-0.155	0.073	0.07	0.144	-0.327
-0.6155	-0.0225	-0.2435	0.6935	0.7415	0.1095	0.3485	-0.0275	-0.0165	0.0345	-0.1275	0.5625	0.5295	0.6485	0.2155	1.1795	0.0225	0.6895	-0.5175	0.4885	-0.3165	0.1235	-0.3495	-0.9215	-1.3625	-0.3195	0.7005	-1.1095	-1.0665	-1.1265
0.0145	-0.2115	-0.2735	-0.0005	0.3185	-0.2995	-0.4785	-0.1125	-0.0375	-0.1455	0.1785	-0.8765	0.4795	0.6635	0.1905	0.2555	0.4545	-0.1975	-0.0095	0.2035	0.7685	0.4815	0.6105	0.1305	-0.6815	0.0865	0.4925	-0.1245	-0.3525	-0.1435
0.416	0.899	1.284	0.593	1.316	0.771	0.563	0.387	0.516	-0.207	0.112	0.47	0.938	0.382	-0.296	0.515	-0.386	0.271	0.655	-0.227	0.366	0.162	0.34	-1.035	-1.621	-0.696	-0.104	-1.071	-0.826	-1.414
1.098	0.569	1.054	0.006	1.14	0.444	-0.126	-0.64	0.567	0.154	0.112	0.468	0.685	0.795	-0.183	-0.194	0.053	0.63	0.268	-0.169	0.389	0.477	0.523	-0.147	-0.229	-0.07	0.385	0.029	-0.085	-0.3
0.649	0.212	0.347	0.769	1.619	0.683	0.328	-0.104	-0.13	0.06	0.001	0.996	-0.873	1.247	-0.495	0.544	0.225	0.587	0.391	0.289	0.475	0.44	-0.293	0.095	-0.816	0.571	0.843	-0.448	-0.314	-0.226
-1.0075	0.2875	0.5515	-0.4985	0.2345	-0.1875	0.2345	-0.0715	0.0615	0.3655	0.4375	1.1795	-0.3645	0.2575	-0.0355	-0.7735	0.3795	0.0435	0.4495	0.2445	-0.0165	-0.3095	-0.0045	-0.4125	-0.2235	-0.4305	-0.2555	0.0595	0.2305	-0.0785
0.328	0.207	-0.186	0.139	0.394	0.082	0.154	-0.392	0.647	-0.625	-0.459	-1.063	0.592	1.797	0.691	-0.416	-0.086	0.011	0.078	-0.591	0.695	0.048	-0.397	0.377	0.068	0.374	0.077	-0.07	-0.642	-0.147
0.125	-0.204	0.748	1.368	-0.219	-1.238	-0.323	-0.303	0.198	0.275	1.042	-0.312	0.041	0.03	0.175	-0.174	0.534	2.334	2.037	2.415	-0.113	1.575	0.987	0.222	0.295	0.241	0.053	0.519	-0.63	-0.623
0.9355	0.3765	0.7445	0.3075	0.6935	0.8005	0.8875	0.5155	0.1645	0.6495	2.0075	1.0405	0.5035	0.6075	1.4665	2.0105	1.0435	0.9025	1.0875	0.0725	0.3595	0.2775	0.3915	-0.6985	0.0215	-0.1935	-1.4005	-0.6595	-0.1475	-0.4795
-1.0475	-0.4165	-1.3605	-0.0255	-0.4555	0.2645	-0.1735	-0.0295	0.1255	-0.0625	-0.3965	-0.6025	-0.5205	-0.1605	0.0345	0.6755	-0.3725	0.2315	-0.1475	-0.1605	-0.2445	0.0295	-0.1695	-0.2255	-0.3165	-0.4665	-1.0845	-0.1155	0.4125	-0.0245
-0.943	-1.217	0.903	0.239	0.009	-1.782	-0.569	-0.571	0.268	-0.477	-1.4	-0.648	0.073	1.583	-0.132	-0.066	-0.519	-1.129	-0.556	-1.446	-1.353	-0.881	0.492	-0.611	-0.326	-0.903	-0.009	1.08	0.011	-1.238

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR88-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-0.326	0.083	-0.093	-0.03	-0.355	-0.544	-0.331	-1.06	-0.267	-0.039	-0.008	-1.962	-0.373	-1.144	-0.623	-1.49	-0.922	-1.174	-0.893	-1.102	-0.389	-0.346	-0.698	-0.063	0.097	0.136	-0.454	0.23	0.22	-0.42
0.301	-0.456	-0.205	-0.9	-0.069	-0.61	-0.799	0.093	-0.208	-0.477	0.279	-0.174	-1.124	0.125	-0.249	-0.425	-0.685	-0.64	-0.698	-0.316	-0.352	-0.837	0.012	-0.845	-0.845	-0.64	-0.468	-1.037	-0.193	-0.677
1.6815	-0.6275	-0.2775	1.5505	0.1805	0.6365	0.6175	-0.7115	-0.3865	-1.4475	-0.2215	0.5165	-0.8215	1.8915	-0.1855	-0.4505	-0.6685	-0.0805	-0.3955	0.4535	-1.2945	-0.1555	-0.6685	-1.2585	-0.7195	-0.4955	-0.5095	0.1055	-0.2245	-0.2175
0.391	0.214	-0.088	-0.169	-0.224	0.524	0.033	0.649	0.071	-0.347	0.675	0.65	1.049	0.999	0.103	-0.249	1.288	-0.114	0.212	0.523	0.479	-0.907	0.275	0.134	0.107	-0.347	0.061	-0.145	0.173	0.404
1.052	-0.303	0.425	0.948	0.579	0.729	0.234	-0.154	-0.09	0.176	0.365	0.146	-0.535	0.129	-0.122	-0.001	0.471	0.622	0.382	-0.329	-0.097	0.874	0.031	0.327	-0.33	-0.354	0.656	-0.417	0.115	0.183
-0.1395	1.4835	0.7075	2.2915	1.6155	1.3235	1.6735	1.2555	1.5345	2.2685	0.8595	1.9445	1.5195	0.3075	0.7025	1.1195	0.3805	0.9125	0.3485	1.4495	1.5335	2.0155	0.3425	-0.1235	0.0875	-0.8505	-0.4585	-1.3005	-1.0455	-0.3035
1.2265	0.0235	1.1225	0.9015	-0.1165	-0.5205	-2.0895	-1.9385	-2.0745	-3.3305	-1.4085	-0.8495	-1.1335	0.5275	-3.9535	-3.9905	-3.0525	-1.9825	-0.5115	-2.6585	-1.5815	-1.5505	-2.6915	-1.4365	-2.5045	-0.5815	-1.1685	-2.0855	-0.6895	-1.2275
-0.1175	-0.3125	1.3255	1.4045	0.1585	-0.6005	-0.2075	-0.0395	0.4375	1.8885	1.0935	0.5565	1.4045	2.3685	-0.0885	-1.7465	-1.2125	-0.5745	-0.5415	-0.3285	1.3995	-0.4465	-0.3785	0.1215	0.0695	0.1295	0.0675	0.6125	-0.0725	0.1875
-1.337	-1.076	-0.147	-0.944	-0.314	-0.322	-1.215	-0.555	0.343	-0.494	-0.087	-0.962	-1.378	-1.448	-1.222	-1.062	0.132	-1.214	-0.514	-0.407	-0.353	-1.342	0.062	0.365	0.558	0.825	-0.386	-0.227	-0.06	0.489
0.759	1.476	0.049	-0.481	-0.063	-0.144	0.198	0.488	-0.053	1.119	-0.408	0.079	-0.72	-0.485	0.316	0.902	-0.952	-0.907	0.262	-0.014	-0.103	-0.982	0.835	0.246	0.368	0.155	0.376	-0.635	0.184	0.405
-2.846	-1.496	-2.065	-2.88	-1.295	-0.663	-2.928	-2.212	-2.362	1.76	1.564	-3.444	-1.689	-2.628	-0.553	0.122	-0.492	-2.257	-1.321	-3.023	-4.316	-0.837	-0.926	-1.098	-2.3	-0.444	-2.116	0.18	0.018	-2.937
1.125	1.539	0.668	1.274	2.691	2.768	3.958	2.44	0.168	0.794	0.75	2.565	1.898	0.008	2.668	0.608	2.028	2.822	2.512	1.568	1.412	1.568	-0.606	-0.706	-0.247	1.032	-0.432	0.108	-0.626	-0.192
0.617	-0.313	1.486	1.13	1.803	1.357	0.046	0.708	1.073	0.571	0.915	0.846	0.459	0.66	1.168	0.761	0.775	-0.028	0.92	1	0.969	2.195	0.537	-1.165	-1.614	-0.11	-0.023	-1.084	-0.699	-1.019
1.366	1.264	-0.293	0.359	1.466	0.101	1.208	1.071	0.615	0.835	1.186	0.844	-1.068	0.031	-0.541	0.377	1.03	0.142	2.002	0.118	0.239	1.388	0.816	-0.167	-0.112	-0.637	-0.266	-0.703	0.037	-0.719
0.078	-1.167	0.41	0.944	0.685	-0.625	-0.066	0.058	0.069	0.421	-0.028	-0.336	-0.19	-0.238	-0.477	0.087	-1.206	0.175	-0.139	-0.993	-0.209	-0.543	-0.686	-1.678	-1.469	-1.269	-1.852	-1.105	-1.147	-1.321
-0.0135	-1.5035	0.3795	-0.2475	1.3795	-0.2935	-0.0455	0.2135	-0.2735	0.2295	0.6045	-0.1655	-0.4135	-0.5055	-0.0935	-0.5375	-0.1005	0.3295	0.2425	0.7365	0.1235	0.2095	0.6035	-0.3775	-0.0725	-0.3285	-1.0275	-0.5315	-0.2175	0.0255
0.7555	1.5505	-1.5115	-1.3795	2.8235	-0.3295	1.7075	1.7665	1.8115	2.2985	-2.6815	-1.4605	3.0405	1.6015	1.1405	1.2875	-1.0275	-0.9205	-1.6915	2.4685	-2.6795	-1.5095	1.0135	-0.9715	-1.4745	0.2835	0.9345	0.0325	0.7595	-0.2315
-0.3335	-0.4115	-0.3395	0.0795	-0.1535	-0.2235	-0.2405	-0.1415	0.0715	-0.0805	0.2045	-0.1025	0.2355	-0.1565	-0.1675	0.0375	-0.2095	-0.0165	-0.1205	0.1125	-0.1455	-0.2245	-0.2985	0.2765	0.0885	-0.0855	-0.0995	0.6395	0.2335	0.2365
0.3185	-0.2335	0.6485	0.0795	-0.2765	-0.3055	-0.4575	-0.4065	-0.5815	-0.6985	-0.4325	0.1955	-0.0355	-0.4225	0.1425	0.2485	0.3435	0.4055	-0.2625	-0.7895	-0.0105	0.0435	-0.1025	-0.6825	-1.3505	-0.0805	-0.1355	-0.5095	-0.2625	-0.9715
0.4575	-0.0585	0.0385	-0.3715	0.2205	0.3205	0.5825	0.2575	0.5395	0.6515	0.5925	-0.9735	0.0005	0.6885	0.5775	-0.5855	0.6015	-0.4075	-0.1155	0.2295	1.0685	0.8805	1.1855	-0.2935	0.1195	0.1265	-0.3155	-0.9955	-0.1095	-0.2795
-0.378	-0.883	-0.768	-0.327	-0.59	-0.888	-0.516	-0.609	0.228	-0.262	-0.382	-0.586	-0.356	-0.41	-0.038	-0.619	-0.418	-0.35	-0.499	-0.206	-0.462	-0.527	-1.125	-0.357	-0.302	-0.35	-0.498	-0.404	-0.417	-0.718
0.982	1.445	-0.764	-0.245	-1.052	-0.496	-0.593	-0.041	-0.185	1.607	0.773	-0.352	0.829	0.461	1.325	-0.347	-0.052	-0.708	1.938	-0.76	-0.07	2.053	0.512	0.09	0.232	0.23	1.274	1.607	1.671	1.468
-0.6865	-1.1485	0.5045	-0.2435	0.0365	-0.3355	-0.4705	-0.2535	-0.0485	-0.0115	0.5075	-0.3685	-1.0695	-0.7115	0.3825	-0.7235	-0.1845	-0.4885	-0.0715	-0.9215	-0.1725	0.1125	0.6465	-0.9105	-0.3085	-0.1625	-0.7165	-0.6035	0.1325	-0.8915
-0.46	-1.456	-0.625	-0.898	-0.152	-0.787	-0.278	-0.706	-0.288	-0.606	-0.542	-0.327	-0.328	-0.591	0.067	-0.537	0.14	-0.193	-0.162	0.127	-0.163	-0.02	-1.037	0.488	0.321	-0.75	-0.003	-0.338	-0.721	0.012
1.2875	1.5035	1.7445	1.3145	1.7745	1.7475	0.6835	-0.4055	0.1935	1.2075	2.4035	-0.5595	-0.6375	-0.4215	0.2565	-2.4955	-1.2215	-1.0545	0.6895	0.4205	-0.0945	-1.1895	-0.1005	1.3375	2.1115	1.3915	1.4435	2.0175	2.6445	2.8825
0.04	0.559	0.488	0.422	0.09	0.159	-0.317	-1.053	-0.812	0.08	0.061	-0.734	0.409	0.48	-0.479	-0.11	0.166	0.237	0.001	-0.188	-0.213	-0.001	-0.989	-0.62	-0.999	-0.135	0.282	-0.699	-0.683	-0.583
0.329	-0.391	-0.02	1.066	-0.361	0.669	-0.318	-0.741	-0.975	-0.285	-0.453	-0.576	-0.769	-0.305	-0.733	-0.815	-0.428	0.151	-0.298	-0.053	-0.622	0.707	-0.864	-1.143	-1.574	-0.793	0.399	-0.002	-0.405	-0.248
-0.0795	-0.5925	0.3965	-0.3905	-0.2255	0.0785	-0.8435	-0.4905	-0.1645	-0.6345	-0.1475	-1.1085	-0.4075	0.9835	-0.7685	-0.6075	0.0105	-0.4935	-0.3535	-0.1315	-0.7355	-1.1025	-0.6215	-0.2505	-0.4095	0.1895	-0.0305	-0.5245	-0.4325	-0.2925
0.173	0.368	-0.714	0.108	-0.319	0.494	0.343	-0.271	0.025	0.338	-0.094	0.583	0.685	1.01	0.343	0.284	-0.662	0.122	-0.403	0.345	0.318	0.359	-0.134	-0.273	-0.603	-0.17	0.047	-0.295	-0.354	-0.46
-0.352	0.65	0.388	0.653	-0.002	-0.062	1.641	-0.402	0.784	0.26	0.084	1.165	0.348	0.689	1.095	-0.049	0.11	0.467	0.324	0.609	1.157	0.473	-0.389	-0.338	-0.454	-0.545	0.694	-0.838	-0.452	-0.507
0.9695	-0.0625	0.1185	0.6905	0.8335	0.3135	-0.0575	-0.4915	-0.1305	-0.2785	0.0905	0.8975	0.4205	1.3115	0.1105	0.6585	0.2845	1.1635	0.5465	0.1135	-0.0095	0.5175	-1.0565	-0.3465	-0.5835	-0.3755	0.5855	-0.9325	-0.3915	-0.4895
-0.1385	-0.1605	-0.9415	0.1985	1.3095	0.5215	1.0185	0.4455	0.0655	-0.1405	-0.0475	0.2385	1.2685	0.6705	0.1335	-0.2415	-0.1785	-0.1315	-0.0055	0.1615	1.1025	0.7825	-0.7365	-0.3265	-0.6625	-0.3265	-0.2505	-0.8165	-0.4505	-0.4675
-0.1915	-0.2095	1.2145	0.5875	-1.1245	0.7085	0.2495	-0.8125	-0.5365	-0.5465	-0.4285	0.5835	0.3585	-0.2815	0.9245	-0.8425	0.0625	-0.3975	-0.1755	1.5515	0.2365	-0.6595	-1.0625	-0.6305	-0.9545	-0.5915	-0.2865	-1.0025	-0.4615	-0.7815
0.2215	0.4045	1.4215	0.8435	1.3895	1.5245	1.3045	1.5005	0.3815	0.2035	1.1715	1.8725	0.1165	1.0375	0.8375	1.4475	1.2545	1.3045	0.0925	0.8105	0.7805	2.3635	0.4335	-0.9255	-1.5645	-0.5825	-1.3615	-1.4275	-0.7595	-1.3075
-0.551	-0.174	-0.26	0.697	-0.114	-0.006	-0.66	-0.405	0.013	-0.187	-0.416	1.053	0.282	-0.174	-0.515	-0.543	0.258	0.853	-0.294	0.315	0.494	-0.268	-0.328	0.299	0.039	0.324	0.001	0.273	-0.104	-0.377
-1.443	-1.402	-1.483	0.124	-1.76	1.699	-0.624	-0.65	-0.23	-0.915	0.101	-0.887	0.173	-0.788	-0.226	-0.261	-0.735	0.652	0.004	1.085	-0.58	0.351	-0.397	-1.229	0.1	-0.677	-0.582	-0.616	-0.602	-0.135
-1.2275	-0.3695	0.3575	-0.4345	0.3325	-0.6215	0.3145	0.1745	-0.1645	-0.4535	0.8395	-1.4495	-1.0665	0.5945	-1.0345	-0.9835	-0.9145	-0.7075	-0.6505	-0.9695	-0.1765	0.5035	-0.1455	-0.6985	0.2235	0.3645	1.1845	-0.2925	0.4235	0.2685
0.3585	-0.4025	1.1375	0.9125	1.9145	0.7445	1.8395	1.5935	2.1745	-0.7385	1.0405	1.7385	1.1745	2.1745	-0.3755	3.0745	1.0045	2.9895	0.4905	1.0345	0.3005	0.6745	2.0915	-0.7165	-0.0785	0.1235	-0.2655	-0.5855	-0.7295	-0.6355
-1.35	-0.49	-0.009	0.738	-0.128	0.036	-1.673	-0.845	-1.335	-2.38	-1.163	-0.017	-1.357	-1.171	-2.188	-1.682	-2.801	-1.176	-0.512	-1.495	-0.851	-1.344	-0.276	1.07	1.228	0.227	-0.682	-0.59	-0.403	0.173
1.6105	2.1265	1.5325	0.6855	0.7585	1.0755	0.7865	0.2495	0.8485	2.2045	2.9375	0.7135	0.7075	0.9665	1.7025	0.2315	1.3705	0.3425	1.3135	1.2515	0.9915	1.0315	-0.0635	0.8505	0.6175	0.4265	0.2035	0.1955	1.5245	1.3075
-0.125	0.481	1.049	-0.388	-1.375	-0.074	-0.928	-0.563	-0.728	-1.017	0	-0.005	-0.38	-1.344	-0.093	-0.196	-0.286	-0.041	-0.699	-0.971	1.624	0.706	-0.169	-0.25	-0.599	0.68	-0.016	-0.921	-0.452	-0.32
0.6725	0.3165	1.2405	0.6095	-0.0005	0.7965	0.1485	-0.0985	0.4755	0.3875	-0.2115	1.5645	-0.6525	0.8035	0.7135	-0.4435	0.0415	0.0465	-1.0885	0.7385	1.0635	1.3215	-1.2765	-0.6625	-0.4505	-0.8045	1.3095	-0.5875	-0.6015	-0.2415
-0.1105	0.2625	0.0135	0.3155	0.1255	-0.2575	-0.3205	-0.3115	0.0545	-0.0775	-0.0475	-0.4395	0.2725	0.0015	-0.0845	0.0955	0.0995	-0.2615	-0.6205	-0.0305	-0.0215	-0.5285	-0.0205	0.2555	-0.1695	-0.1905	0.6345	-0.0175	-0.0315	0.2015
-0.3785	0.6165	-0.0895	-0.4575	0.3715	-0.0495	1.5595	-1.4465	-0.1765	0.6755	0.5585	-0.7545	0.4815	0.4805	1.2005	0.0045	0.8095	1.0365	0.1295	0.5865	-0.1025	0.1345	-0.4095	-0.1915	-0.3265	-0.0365	0.3995	-0.6185	0.1455	-0.0855
-0.4995	0.5255	-0.3225	-0.6585	0.1395	-0.0415	1.5445	-2.7355	0.7155	0.9025	0.5935	-1.0335	0.5505	0.4465	0.2405	0.5235	0.3645	0.7455	0.0365	0.9105	0.1285	0.3225	-0.2135	-0.3415	-0.3365	-0.0105	0.4865	-0.8465	-0.1145	-0.2955
-0.829	-0.581	-0.548	-1.235	-0.639	-0.734	-2.068	-1.517	-0.851	-0.88	-1.012	-1.983	-1.193	-0.546	-1.239	-1.146	-2.155	-1.034	-1.335	-1.034	-1.82	-1.835	-1.172	-0.367	-0.278	0.024	-0.701	-0.569	-0.344	-0.358
1.7265	0.2195	0.9905	1.2165	-0.6285	-0.9485	-0.9215	-0.0095	-0.1405	-2.5275	-0.2315	0.2795	0.8775	1.0925	-1.1365	-0.5285	-0.3895	1.3685	0.1035	1.6235	0.6005	-0.9205	-1.3835	-1.2715	-1.8305	1.2135	-1.0085	-1.3885	-1.4735	-2.4835
0.7005	0.7085	1.0055	1.4365	0.5175	1.0905	0.5475	1.2405	0.9205	-0.1455	0.5015	1.9335	1.4205	1.3705	1.3505	1.8205	1.0905	1.6665	1.1305	1.8405	1.6675	1.0105	0.2015	0.0075	0.2365	-0.1065	-0.6495	-0.4495	-0.3385	-0.7495
0.51	0.92	0.536	0.85	0.206	0.916	0.762	0.307	0.23	-0.02	0.444	0.725	1.412	0.437	1.603	0.285	0.898	1.778	0.282	0.269	0.502	1.414	0.332	-0.006	-0.121	-0.043	0.338	0.429	-0.281	-0.345
0.4855	0.3165	0.4395	0.1135	-0.1515	0.2175	0.0595	0.7225	0.4395	0.3575	0.9045	0.3675	0.0185	0.4275	0.3285	1.3965	-0.0135	0.8035	0.3585	-0.1085	-0.3295	-0.6795	0.1155	0.4375	0.0895	0.0815	0.1045	0.0695	0.1745	-0.2195
-0.2675	0.1095	0.8805	0.7375	-0.3885	0.3645	0.0275	0.2255	0.7045	0.0145	1.1745	-0.3815	0.9635	0.3775	0.6315	1.1065	2.8805	2.5485	0.8995	1.8415	1.1645	-0.0945	2.3605	0.4445	0.2365	-0.0145	0.1515	-0.5295	-0.4245	-0.1385
0.7505	0.2875	-0.1615	0.3605	0.8885	1.4165	1.8215	1.2875	0.3985	1.0925	-0.1645	1.6375	0.2115	0.9675	0.5425	0.8565	0.5645	1.0935	0.7645	1.5525	1.1945	0.9255	-0.6305	0.3625	0.4315	-0.5345	-1.0945	-0.4005	-0.0245	0.5345
-0.4525	-0.4145	-0.1395	-0.2605	-0.8665	-0.0315	-0.6355	-0.6235	-0.2365	-0.7785	0.1295	0.2725	0.4485	-0.4155	0.4195	-0.2085	0.8005	0.3475	-0.0915	0.5225	-0.4415	0.1255	-0.2865	-0.4095	0.0165	-0.0125	0.5645	0.4275	0.1365	0.1525
-0.487	0.019	0.759	0.795	-0.352	-0.668	0.018	0.569	1.101	0.042	1.119	-0.1	1.003	0.261	0.244	0.204	1.732	1.559	0.503	0.529	1.195	0.05	1.61	0.558	-0.049	0.468	0.088	-0.065	-0.328	-0.269
-0.793	-2.065	-0.087	-0.095	-2.377	0.14	-0.8	-1.851	-3.231	-0.386	-0.52	0.362	-1.935	-0.059	-0.722	0.722	-3.102	-0.391	-1.69	-1.29	-0.628	-1.559	-1.419	-0.888	-0.929	0.671	-0.024	-0.082	0.157	0.09
0.457	0.067	1.248	1.399	-0.094	-0.06	-0.318	-0.371	1.17	0.07	0.437	-0.139	0.353	0.104	0.552	0.129	0.79	1.784	0.92	2.597	-0.003	1.207	1.022	-0.696	0.31	-0.072	-0.011	-0.074	-0.814	-0.842
1.2945	-0.8545	1.6465	1.5795	-0.5355	0.1595	-0.0915	1.1315	0.8025	-0.6375	0.9905	1.6085	2.7345	0.5145	1.0025	1.7185	1.8575	2.8695	2.0755	1.9995	2.1745	1.1465	1.4435	-1.4325	-0.1355	-0.0315	-0.3685	-1.2355	-0.5235	-0.5785
-0.198	3.679	0.593	4.087	1.726	2.925	2.827	-0.168	3.332	1.763	4.134	-0.704	-1.1	-0.652	-1.147	-0.63	2.989	-0.585	1.44	2.779	2.681	2.984	-0.731	1.004	1.46	1.218	2.181	1.014	1.497	0.389
-1.2875	2.6405	-1.4995	0.9595	0.8025	-0.3015	-0.3475	1.0385	-2.1895	-1.2035	1.0145	0.8665	-0.3875	-0.1505	0.6985	-1.7105	0.2815	0.3775	-1.0855	-0.2485	0.2635	0.1665	-0.8485	-1.7235	-2.4075	-2.2345	-1.0095	-2.1675	-1.8565	-2.1765
-1.058	-0.805	0.076	0.081	0.932	0.365	0.066	0.021	0.588	1.467	0.302	0.724	0.227	-0.012	1.929	1.42	0.507	1.572	1.075	1.139	1.039	1.323	0.582	-0.4	-0.389	-0.647	-0.033	-0.373	-0.165	-0.175
0.6045	0.7055	0.3265	-0.5355	-0.0575	-0.1475	0.1755	0.7935	-0.5745	-0.6475	0.0785	0.7575	1.0575	1.1615	-0.0595	-0.1535	0.2265	0.0585	0.3515	-0.2285	-0.3335	-0.7725	0.7605	0.6525	0.5045	0.9125	0.3305	0.2505	0.6855	1.6445
-0.3855	0.3025	1.3885	1.3065	-1.5685	0.0165	0.7975	0.4545	1.0535	-0.5535	1.5965	-0.9005	1.4465	0.2045	-0.0625	0.4545	1.1335	1.5795	0.7655	1.1365	1.3175	0.4015	0.4235	2.6175	2.2675	1.2925	0.6395	-1.9775	-1.1915	-0.0335
-0.6895	0.0685	0.1255	-0.0155	-0.2655	0.1885	-1.1345	-0.3675	0.2965	-0.1035	0.0035	0.4285	-0.2615	0.1055	1.1485	0.7505	-0.2355	-0.4015	-0.3195	-0.0205	0.5875	0.2905	1.0465	-0.5695	-0.2365	0.5655	-0.0645	-0.9465	-0.2285	-0.3205
0.1825	0.1515	0.6225	0.3995	1.0185	0.4275	-0.2105	0.0035	0.1345	0.2195	0.0105	0.9585	2.2175	-0.1195	0.1475	0.0955	0.0385	-0.1745	0.0805	0.4635	-0.0145	0.0925	0.3125	0.9875	0.6195	0.6855	-0.1325	1.1625	-0.0275	-0.0095
-1.508	-0.555	-1.388	0.038	-1.149	-0.229	-0.605	-0.016	0.15	-0.932	0.372	-1.212	-1.544	-0.871	-2.509	-2.535	-1.081	0.587	-0.103	-0.506	-0.525	-0.44	0.503	-0.447	-0.209	0.267	0.914	1.81	1.109	-0.229
0.387	0.132	-0.341	-0.257	-0.019	0.23	-0.612	-0.383	-0.155	-0.306	0.226	-0.913	-0.318	-0.194	-0.168	-0.035	-0.165	-0.611	-0.659	-0.108	0.412	-0.594	0.113	-0.198	-0.191	-0.07	-0.161	-0.945	0.218	-0.002
-1.558	-2.213	-0.99	-1.504	-1.208	-1.201	-1.746	-1.482	-1.391	-2.363	-1.903	-2.415	-1.194	-1.845	-1.713	-0.809	-0.154	-2.624	-1.43	-1.241	-1.011	-2.386	-0.404	-0.483	-1.054	-0.262	-1.018	-1.242	-0.335	-0.655
-1.9335	-2.2025	-1.0105	-2.3455	-1.7925	-1.0225	-0.6335	-1.5795	-1.4765	-0.9695	-2.0055	-1.9175	-1.0055	-1.7625	-2.0525	-0.6825	-1.0715	-0.1705	-0.6855	-0.8095	-0.9055	-1.9635	-0.6305	-0.1105	-0.1405	0.8745	-0.1275	-0.4535	0.0985	-0.3985
-1.261	-0.44	-0.442	-0.848	-0.582	-0.979	-0.349	-0.765	0.263	-0.123	1.421	-0.645	0.445	-0.201	-0.836	-0.562	-0.215	-0.691	0.002	-0.517	0.613	-0.93	0.2	-0.568	0.393	0.629	-1.538	0.88	-0.125	0.207
-0.243	0.544	0.338	0.913	-0.227	0.185	0.302	0.624	0.371	-0.154	1.188	0.372	-0.166	-0.323	0.645	1.219	-0.068	0.17	-0.024	0.901	-0.404	0.365	0.814	0.077	0.641	0.499	0.749	0.378	0.619	0.583
0.5785	-0.6335	-0.3505	-0.4195	0.6035	0.0525	-0.7435	-0.3165	0.5295	-0.9195	-0.6615	-0.0655	-0.1195	1.0625	0.5045	0.6175	0.0205	0.0265	0.0005	0.4125	0.4905	-0.3715	-0.5825	-0.3795	-0.7605	-0.5855	-0.4965	-0.8625	-0.7385	-0.8145
-3.0805	-2.5495	0.5035	-0.1895	0.4215	0.0075	-1.2605	-1.6295	-1.5415	-2.0545	-1.9715	-2.3555	-0.4515	-0.7595	-0.0075	-1.8245	-1.9425	0.4985	-0.6345	-0.3575	-2.7635	0.0475	-1.7735	2.8175	0.9475	1.0845	1.1035	1.7765	1.2155	2.1365
-1.247	-0.83	-1.11	-0.841	-1.004	0.338	-1.278	-1.003	0.297	-0.728	-0.833	-1.976	-0.665	-0.922	-0.875	0.145	-0.854	-1.086	-0.4	0.789	-0.475	-1.148	0.368	0.143	0.371	0.553	0.707	0.238	-0.081	0.451
0.6615	1.9915	2.3775	1.8505	2.8535	0.9655	0.7185	0.4905	0.7895	0.7525	1.6715	1.1075	0.9735	1.2445	0.5575	0.1825	0.1435	0.5895	0.3015	1.0225	2.1595	2.1675	1.8245	0.8125	0.1505	-0.6765	1.6485	-0.2365	0.3855	1.0795
-0.762	-2.131	-1.476	-1.743	-1.509	-1.555	-1.663	-1.756	-1.384	-1.913	-1.927	-1.35	-1.517	-1.232	-1.172	-1.84	-0.862	-0.918	-0.94	-0.735	-0.822	-1.543	-2.889	-1.569	-1.655	-0.626	-1.367	-0.039	-1.058	-1.609

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-7055 BASAL	BC00043T BASAL	BC00049T BASAL	BC00076T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-7035 BASAL	BC00064 BASAL	BC00026T BASAL	PB267 BASAL	BR03-7032 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-0267 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-0.362	1.889	-0.652	-0.076	0.363	-0.466	-0.205	0.032	-0.856	-0.622	0.481	0.381	0.583	0.409	0.773	-1.254	0.656	0.824	-0.432	-0.171	-0.47	0.948	-0.557	-1.135	-1.724	-1.187	-0.355	-0.784	-0.328	-0.785
1.3785	-0.5115	0.9745	1.5655	1.7385	1.9335	0.2725	0.3135	0.5245	0.0215	1.1795	1.9675	0.4755	1.1425	1.2485	2.1545	1.0045	-0.3685	0.3825	1.1825	0.9955	0.6805	0.4475	-0.7695	-0.3545	-0.1165	0.2975	-0.3305	-0.8725	-0.4135
0.423	0.98	0.949	0.61	1.129	0.177	0.795	0.807	0.476	0.6	0.655	0.377	-0.401	0.791	-0.068	1.499	0.035	0.848	0.237	0.605	1.371	0.534	0.849	-0.58	-1.271	-0.774	-0.709	-0.681	-0.543	-0.342
-0.1415	1.8455	-1.0025	-0.0185	0.1965	0.1915	-0.6935	-0.0155	-0.8375	-0.7785	0.8715	0.3635	0.2165	0.4505	0.4495	-1.3995	0.3175	0.4495	-0.5245	-0.5765	-0.1885	0.6275	-0.9105	-1.2455	-1.4365	-1.4985	-0.9195	-1.0795	-0.6765	-1.0035
3.323	-0.996	2.609	2.691	-0.114	0.091	3.684	1.663	-0.396	-0.423	-0.689	0.205	1.978	-0.738	3.118	-0.9	-0.646	2.757	3.869	-0.382	1.033	1.489	1.316	0.175	-0.434	-0.108	0.232	-0.42	0.072	0.198
-0.274	-0.181	-0.693	-0.041	-0.705	-0.241	-0.375	-0.602	-0.328	0.621	-1.157	-0.881	-0.678	-0.531	-0.499	-0.032	-0.319	-0.009	-0.212	-0.084	-1.687	-0.679	-0.277	-0.182	0.331	0.074	1.26	-1.583	0.295	0.212
-0.4755	0.2245	0.5665	0.4245	-0.3365	-0.1175	-0.0415	0.1755	1.0355	0.0165	1.3825	-0.6525	1.1205	0.8345	0.4085	0.6965	3.4665	2.5575	1.2455	1.7135	1.3485	0.3065	2.7915	-0.1215	0.0875	-0.5545	0.6375	-0.1795	-0.2845	0.1575
-0.4435	1.7925	0.0115	0.1645	0.0055	0.3965	-0.6365	-0.0415	-0.4295	-0.8995	0.7625	-0.0055	-0.1705	0.3005	0.0225	-1.6285	-0.0265	0.5985	-0.4475	-0.2325	0.5815	1.0715	-0.2925	-1.2265	-1.2965	-0.3005	-0.0685	-0.3725	-0.2695	-0.5125
-0.0485	2.5635	-0.6805	-0.6215	-0.7305	-0.9045	-0.1375	0.1515	-0.7675	-0.6845	0.6935	-0.0235	-0.4545	0.0845	-1.1425	-2.4855	0.8165	0.1665	-0.8225	-0.7335	0.1745	0.5645	-0.1885	-0.5185	-0.9375	-0.7665	-0.4055	-0.3235	-0.3675	-0.2545
-0.2255	1.8955	-0.6235	0.0855	0.5415	0.1785	-0.3205	-0.1315	-0.6145	-0.8085	0.6355	0.7225	0.7705	0.8905	0.8245	-0.6835	0.6525	0.7935	-0.3055	-0.1985	0.1455	0.8195	-0.4465	-1.5285	-1.8885	-1.5315	-0.1855	-0.3385	-0.4005	-0.6595
-0.2505	-2.3805	-0.8995	-1.1925	-2.7315	0.3935	0.4225	-0.5295	0.5845	-0.6555	-0.0415	0.6665	-0.3295	0.8365	-1.7015	1.5285	0.3475	-0.8075	-0.2255	-0.9075	0.7695	-2.0015	-0.0085	-1.1755	-1.7345	-1.2745	0.1345	-0.7615	-0.8195	-1.3495
-0.297	2.22	0.15	-0.269	0.519	0.28	-0.307	0.081	0.093	-0.193	0.052	-0.008	0.032	0.605	-0.199	-1.163	-0.161	0.157	-0.864	0.098	-0.15	0.845	0.008	-0.98	-0.919	-1.193	-0.087	0.082	-0.393	-0.866
-1.4235	1.4895	-2.0045	-0.4475	0.3005	0.0295	-0.5185	0.0075	-0.8045	-0.9195	-0.1645	0.6475	0.3645	0.7315	0.9235	-2.6065	0.5955	-0.0805	-0.3385	0.2535	0.6135	-0.0975	-1.8505	-1.4445	-2.6055	-1.8605	-0.8835	-1.8015	-0.7895	-1.4665
0.6935	0.1055	0.1875	0.1015	-0.2415	0.1125	-0.1815	0.0045	-0.6555	-0.3865	-0.2765	0.0735	0.5765	0.1575	0.1805	0.4895	0.4985	0.3275	0.4455	-0.1915	0.2705	0.6985	-0.2745	0.0185	-0.2205	0.1485	0.3475	-0.2705	0.0155	-0.1915
1.5455	3.1625	-0.5755	-0.0425	0.3995	0.0105	-0.8375	-0.1885	-0.3165	-0.1855	0.5685	0.0035	0.4015	1.9565	-0.3425	-1.0005	-0.0035	0.9445	-0.7685	-0.4225	-0.0145	1.2175	-0.9625	-1.5245	-1.8015	-0.8995	-0.1315	-0.4005	-0.4435	-0.4635
0.3265	-0.3785	-0.3715	-0.8735	-1.6225	-1.1795	-1.5765	-0.3195	0.0635	0.2305	-0.2125	-0.2575	-0.4475	-1.2635	-0.7625	-1.5895	-0.6405	-1.9835	-0.7665	-0.4995	0.0745	-0.9345	-2.2045	-0.2985	-0.7995	-0.2165	-0.5925	-1.0205	-0.8425	-0.6525
-0.52	0.668	4.384	0.265	1.046	0.708	1.59	-0.704	2.668	1.988	4.076	1.154	1.901	1.62	3.095	5.395	1.894	4.298	1.237	1.314	0.307	4.241	6.821	-0.202	0.61	1.599	1.057	0.521	0.204	0.074
-0.182	-0.771	0.02	0.242	0.205	0.119	-0.195	-0.077	0.581	0.122	0.054	-0.198	-0.119	-0.27	0.098	-0.459	-0.028	-0.241	-0.38	-0.151	0.189	0.058	-0.369	-0.967	-0.753	-0.51	0.158	0.587	0.028	-0.422
-0.085	0.205	1.153	0.66	-0.557	0.081	0.408	0.993	-0.454	-0.204	2.711	-0.107	0.663	1.01	0.761	0.201	3.197	1.896	-0.103	1.308	1.764	0.548	2.35	0.781	1.044	0.309	0.828	0.65	-0.107	-0.069
0.0145	1.9765	-0.5685	0.2315	0.6145	0.4315	-0.3845	-0.0555	-0.4925	-0.7365	0.8075	0.3335	0.2825	0.6025	0.5245	-0.8705	0.3235	0.4245	-0.5325	-0.3315	-0.1075	0.9565	-0.3815	-1.2745	-1.3315	-1.5745	-0.4735	-0.7535	-0.6025	-0.7445
0.9185	0.3425	0.2595	0.8515	1.6415	0.5335	1.6695	2.0085	0.1335	1.0635	0.3355	1.5505	0.7945	1.7855	0.7785	0.7165	0.0005	0.5135	1.2535	2.4505	1.4715	1.5365	-0.1805	-1.0435	-1.6555	-1.9455	-2.2725	-1.8055	-1.1315	-1.6065
0.092	0.295	0.269	0.152	-0.122	-0.268	-0.318	-0.155	-0.075	0.074	0.187	-0.083	0.55	-0.127	-0.201	-0.289	2.133	0.729	-0.113	-0.199	0.215	-0.217	0.841	0.829	0.306	0.327	0.048	1.281	0.248	0.314
-0.4855	-0.1755	-0.3495	0.1485	0.1705	-0.4315	0.2665	0.1615	0.2625	0.6325	0.3715	0.2115	0.2325	-0.1225	-0.0095	0.0715	-0.0705	-0.0045	0.1975	-0.0885	-0.0885	0.0975	-0.0915	-0.5985	-0.1355	0.0875	0.3255	1.6895	0.1105	-0.1835
0.5695	0.5395	0.5345	-0.5455	1.1155	-1.0005	-1.2465	-0.4825	0.4245	-0.0445	1.1935	-0.0925	-0.2215	0.2385	0.8845	0.5285	-0.2065	0.6895	-0.0485	-0.3535	0.2115	-0.1895	0.4075	0.2815	1.8965	0.3515	-0.1155	-0.3615	-0.2065	-0.0815
0.6095	-0.5275	1.0815	0.0685	0.1325	0.4445	0.4765	0.2235	-0.6715	-0.1525	0.3245	0.0115	-0.9325	0.3985	-0.2785	1.5695	-0.6045	-0.8275	-0.5895	-0.0535	0.0905	1.0665	0.1625	-0.2225	-0.0485	-0.4515	-0.1145	-0.5125	0.1545	0.3845
0.0315	-0.4435	0.6215	0.1515	-0.3975	-0.0715	-0.5815	-0.2535	-0.7785	-0.5025	-0.6155	-0.1955	-0.7985	0.1025	-0.1755	0.7065	-0.2505	0.9135	-0.2425	0.0155	-0.2185	-0.7195	0.0985	-0.9735	-1.4485	-0.2255	0.1205	-1.0725	-0.4625	-0.3115
0.26	-0.433	-0.932	-0.255	0.181	-0.233	-0.083	-0.116	-1.328	-0.416	0.379	0.62	0.067	-0.404	-0.537	0.521	-0.142	-0.643	-0.631	-0.628	-0.161	-0.539	0.626	-0.136	0.276	0.144	0.559	-0.652	0.261	0.376
-1.401	-1.151	-1.659	-1.481	-0.814	-1.081	-1.329	-1.165	-0.79	-1.289	-0.675	-0.787	-0.91	1.366	-0.642	-2.096	-0.943	-1.437	-0.784	-1.227	-0.948	-1.756	-0.087	-0.881	-1.458	0.036	-0.845	-0.681	-0.068	-0.834
-0.6805	-1.1985	0.1535	-0.0885	-1.3675	-0.0095	-0.8015	-1.7105	-2.7765	-0.3315	-0.3485	0.1275	-1.5765	-0.0095	-0.7565	0.9595	-2.6535	-0.2885	-1.5965	-1.3015	-0.4515	-1.4915	-0.8965	-0.7435	-0.7115	-0.8875	-0.2365	-0.2895	0.0505	-0.1625
-0.6825	-0.7365	-0.3035	-0.0055	-0.5065	-0.0255	-1.1825	-1.4155	-1.1725	-1.6775	-0.9385	-2.1935	-0.8095	-0.8565	-0.9965	0.1995	-0.4895	-1.7045	-0.7215	-0.7695	-0.7225	-1.1815	-0.5835	-0.3605	-0.4785	-0.1665	-0.0235	-0.0665	0.1615	-0.0305
-1.3045	-0.6205	-2.1225	-1.6095	-1.3815	-0.1845	-0.5845	-1.0485	-0.6955	-0.8335	-1.7475	-1.2165	-0.9555	-0.5135	-1.5205	-3.3435	-1.4595	-1.2805	-1.1595	0.6905	-0.2115	-1.2835	-0.9715	-0.8035	-0.7905	-0.1945	-0.3045	-0.4675	-0.3165	-0.8565
-0.1545	0.3685	1.2875	0.2945	-0.7235	0.0585	1.6735	-0.6385	-0.5075	0.2775	0.5005	0.5145	-0.0895	0.0765	1.6605	0.3905	1.6015	0.8475	-0.4745	0.1055	0.5055	0.3975	-0.4675	-0.3235	0.4955	-0.7925	-1.2855	-0.5415	0.1165	0.1345
1.133	1.717	3.035	0.642	1.233	1.093	0.228	0.431	0.684	0.649	1.746	0.173	-1.093	-0.358	-0.01	-0.397	-1.265	0.111	1.17	1.366	1.174	-0.569	1.337	-0.088	0.215	0.733	1.296	0.832	1.491	1.36
-0.292	-1.195	-1.312	-0.381	-0.812	1.139	-0.247	-0.663	-0.084	-0.909	-0.641	-0.916	-0.325	-0.369	-0.327	0.01	-0.83	-0.97	1.162	0.29	-0.696	-0.958	-1.04	1.732	1.502	0.948	1.21	0.184	0.47	1.909
-0.1915	0.0335	0.4575	0.0935	-0.0935	-0.2585	0.0055	0.1995	0.8045	-0.0465	0.2405	0.1045	0.2375	-0.0465	0.0555	-0.2675	1.5505	0.9225	0.0675	0.1995	0.1275	-0.0665	1.5205	-0.1985	-0.1695	0.1785	0.1645	0.5365	-0.1325	-0.1405
-1.855	-0.752	-1.558	0.248	-1.177	-0.002	-1.111	-2.158	-0.469	-0.244	0.002	-1.289	1.328	-1.004	-0.834	-1.557	-1.373	-2.076	-0.537	-1.002	-0.033	-1.42	0.506	1.943	1.038	0.187	-0.04	0.414	-0.488	0.995
0.012	0.186	-0.542	-0.536	0.133	0.416	0.283	0.02	0.798	0.266	0.101	-0.766	0.373	0.624	0.518	-0.975	0.532	-0.248	0.067	0.163	0.022	1.385	0.009	0.329	0.589	-0.112	-0.061	-0.39	0.469	0.116
-0.5335	-0.6345	0.5055	-0.7245	0.2705	0.4675	-0.8455	-0.5425	-0.1275	-0.6285	0.3285	-0.8145	-0.7035	-0.3605	-0.3685	-0.4995	-0.2855	-0.3945	-0.5495	-0.0745	0.2015	0.2985	-0.6255	0.0895	-0.6965	0.0025	-0.2555	-0.9005	-0.0505	-0.9455
-0.032	0.461	-0.343	0.243	0.722	0.181	-0.195	-0.103	0.066	0.049	-0.342	-0.185	0.07	0.168	0.161	0.135	0.018	-0.033	-0.308	0.006	-0.071	0.143	-0.006	-0.072	-0.268	-0.254	-0.108	0.129	-0.299	0.007
0.063	2.705	-1.048	-0.931	-0.819	-1.167	-0.258	0.145	-1.347	-0.722	1.012	-0.01	-0.641	0.311	-1.213	-2.801	1.146	0.116	-1.035	-0.853	0.392	0.794	0.073	-1.324	-1.857	-1.431	-0.78	-0.656	-1.142	-0.761
-0.7765	-1.5935	0.2355	-0.2335	0.1965	-0.8505	-0.6685	-0.3415	0.1215	-1.5935	-0.4645	1.0685	-0.3685	-0.6805	-0.1615	-0.9595	0.0805	0.3885	-0.1865	0.6985	-1.1515	-0.1495	-0.6205	-1.1385	-1.2125	-0.3525	-0.7555	-0.5185	-0.0125	-0.9085
0.249	-0.771	-0.828	-0.516	-0.4	-0.354	-1.056	-0.544	-0.659	-1.115	-0.391	-1.396	-0.188	-0.139	-0.485	-0.668	-0.344	0.163	-0.86	-0.056	-0.535	-0.458	0.125	-0.129	-0.442	-0.18	-0.824	-1.303	-0.067	-0.287
0.0265	-0.1735	0.1045	0.8825	1.0215	1.0515	-0.2225	0.1585	-0.1825	-0.0255	-0.1455	1.3705	2.7455	1.0005	0.3735	-0.0915	1.0305	0.4795	0.0015	-0.1385	1.6245	-0.2375	0.4685	-0.0565	-0.1135	0.5075	-0.2385	0.2815	0.1065	-0.2045
-0.4505	-0.2455	-0.1455	-0.0955	0.0085	-0.4595	0.1935	0.1655	-0.0115	0.3135	0.0615	0.3615	0.9975	-0.2665	0.2635	-0.3845	0.9835	0.3045	0.2765	-0.4375	-0.1205	0.1585	0.2425	0.8665	0.6875	0.7855	0.1515	1.3285	0.6175	0.3175
-0.314	1.514	-1.024	-0.4	0.279	-0.137	-0.433	-0.085	-0.638	-0.743	0.494	0.135	0.038	0.213	0.213	-1.503	0.012	0.416	-0.71	-0.65	-0.427	0.827	-0.659	-1.243	-1.341	-1.485	-0.667	-0.335	-0.434	-0.792
0.5855	-0.6245	0.1415	0.3835	1.4335	0.2065	0.1835	0.4505	0.2725	-0.4245	0.0235	1.3445	0.7485	1.0915	0.6895	1.2565	0.6585	1.1425	0.1685	0.3175	0.2165	-0.1645	0.0325	-0.5505	-0.5555	-0.2455	-0.3825	-0.8935	-0.4185	-0.5535
-1.403	-0.734	-2.017	0.364	-2.764	-0.141	-1.297	-1.552	-2.413	-2.497	-0.873	-2.668	-0.639	-1.406	-2.712	-4.116	-2.473	-3.489	-0.999	-1.519	-1.125	-1.622	-1.915	0.179	0.103	0.18	-0.44	0.585	0.168	0.005
-0.34	-0.537	-0.559	-0.635	-0.777	-0.197	-0.178	-0.342	-0.941	0.036	0.158	-0.28	-0.766	0.05	-0.963	-0.562	-0.158	-0.287	-0.236	-0.742	-0.503	-0.139	-0.175	0.009	0.414	-0.223	-0.48	-0.936	0.068	-0.006
0.1275	-0.4615	-1.0005	-0.2435	-0.5525	-0.1215	0.0405	0.2575	-0.3635	-0.5025	-0.6505	0.0795	0.6575	-0.6735	0.3735	1.1535	0.0135	0.0965	0.2045	0.3145	-0.3625	0.8475	0.0805	0.1025	0.0955	0.4765	0.2105	0.9515	0.1035	0.3005
-0.923	-1.122	-1.21	-0.088	0.208	-0.328	-0.172	-0.317	-0.767	-1.049	-0.54	0.55	-0.602	0.193	-0.634	-0.503	-0.498	-0.541	-1.038	0.041	-0.577	-1.18	-1.08	-0.813	-0.736	-0.446	-0.383	-1.041	-0.858	-0.599
1.662	1.129	0.602	0.083	1.216	0.634	1.182	1.064	1.304	-0.911	0.159	1.541	0.754	0.814	1.464	0.964	0.734	1.003	0.52	1.614	1.3	1.134	0.63	0.17	-0.213	-0.194	0.404	-0.056	-0.584	-0.546
-0.506	-2.211	0.306	0.332	-0.349	-1.472	-2.248	-1.006	-0.853	-2.293	-1.882	-1.448	0.556	0.278	-0.648	-0.284	-1.374	-0.931	-0.456	-0.22	-1.881	-1.949	-0.527	-0.559	-0.484	-0.72	-1.384	-2.515	-0.667	-1.159
-0.065	-0.043	-2.025	1.005	-3.73	-0.486	-0.565	-2.576	-1.115	-1.867	-4.539	-2.131	-2.56	-2.677	-3.997	-3.314	-2.518	-3.425	-1.169	-0.991	-0.19	-0.113	-3.611	0.529	0.386	0.76	-0.102	0.24	-1.165	0.928
1.0815	-0.9595	-1.4525	0.4385	-0.7775	-0.1775	-0.8385	-1.0305	-0.9025	-0.6485	-0.1535	-1.4015	-0.4205	-0.4445	1.1335	0.0295	-0.2965	-0.4455	-0.7445	-0.5225	-1.0565	-0.4985	-0.5885	-0.4575	-0.3555	-0.8995	-2.0405	-0.9805	-0.5195	-0.3145
0.4515	0.4175	1.3085	0.9435	2.3815	1.4645	0.4425	1.2025	0.6355	0.5505	0.5295	1.3575	0.6595	1.1645	0.9115	1.3625	0.8895	1.0695	0.2495	1.2845	1.1445	0.5895	-0.2495	-0.3215	-1.1415	-0.1105	0.0745	-0.7525	-0.7485	-0.5895
-0.5365	-0.3725	-0.1215	-0.5305	-0.1525	-0.4205	0.1335	-0.3515	-0.8535	-0.4485	-0.8695	-1.2855	-0.5675	0.3965	0.2735	0.3475	0.0255	0.0195	-0.3085	0.0815	-0.5695	-0.0045	-0.7395	-0.5275	-0.1365	-0.0355	0.4515	-0.3775	0.0265	0.1795
-0.765	-0.061	-0.477	0.377	-0.15	-0.703	1.186	0.35	0.009	0.608	1.428	0.934	0.492	0.624	1.377	0.169	0.301	0.243	0.379	0.585	1.392	0.395	0.157	-1.317	-0.621	-0.264	-0.102	-0.813	-0.433	-0.869
-0.223	0.068	-0.359	-0.04	-0.209	-0.071	0.768	-0.27	-0.2	-0.08	0.606	-0.26	-0.103	-0.345	-0.061	-0.306	0.002	1.036	-0.238	0.248	0.015	0.962	0.534	-0.019	0.573	0.039	-1.16	0.358	0.652	0.348
1.0315	1.8215	2.3085	2.1615	3.1615	1.0205	0.8255	0.7035	1.4395	1.1585	1.4475	0.8045	0.2495	1.7535	2.3275	3.9515	1.6055	1.3685	1.5475	2.0775	2.1835	3.4265	1.6755	-0.4205	-0.3455	0.4275	0.1625	-0.4615	0.1185	-0.0985
0.6055	3.0175	1.9075	2.5515	1.3415	1.2995	1.3585	-2.2835	-0.2915	-1.0595	-0.2465	0.6305	-0.0905	-0.7005	1.0255	-0.0865	-0.4725	0.6735	-0.5615	2.0455	0.8505	1.4645	-0.2615	-0.2335	-0.6535	0.6975	0.2515	-0.4605	-0.1285	-0.0555
-0.26	0	-0.302	-0.325	-0.59	-0.571	-0.775	-0.567	-0.267	-0.323	-0.345	-0.569	-0.351	-0.958	-0.664	-0.893	0.995	-0.502	-0.374	-0.352	-0.329	-0.732	-0.043	0.84	0.469	0.408	-0.148	0.381	0.001	0.239
1.4025	1.0325	0.2555	0.2815	-0.7385	-0.0645	0.1935	0.4925	0.3895	0.0685	0.3155	0.9255	0.9655	0.0445	-0.0655	-0.2795	0.4885	0.6205	0.2395	0.1505	0.5025	1.7045	0.9535	-0.6185	-0.7255	0.0795	-1.2475	-0.2785	-0.5525	-0.7425
-2.346	-0.831	-2.776	0.962	-2.293	1.805	0.465	0.236	-0.996	-2.141	-2.645	1.085	1.531	-2.084	-1.208	-0.617	0.445	-2.208	-0.396	0.151	1.292	-0.892	-1.39	1.135	2.608	-0.263	-0.238	-0.142	-0.501	0.499
0.11	-0.123	0.612	-0.051	-0.153	0.574	-0.068	-0.094	0.2	0.018	-0.564	0.559	0.032	0.579	0.042	-0.575	0.166	0.885	0.458	0.842	1.12	0.592	-0.71	-0.006	0.003	0.027	0.184	-0.498	-0.394	-0.038
-0.1265	0.0975	0.8055	0.6885	0.2825	0.2745	0.0865	0.5465	0.4395	0.0605	0.4795	-0.4595	1.0855	-0.0495	0.6065	0.0855	1.9315	1.0835	0.2965	0.9415	0.8125	0.6675	1.4405	-0.1585	-0.1965	-0.3825	-0.1315	0.5475	-0.5565	-0.8955
1.859	-3.002	0.249	-0.589	0.441	-0.191	-1.055	-1.539	-1.731	-1.915	-2.77	-0.983	0.191	0.886	-0.423	-2.589	-1.704	-1.3	-1.28	-1.349	-1.045	-2.252	-1.046	-1.213	-1.557	1.699	-0.585	-0.383	-1.522	-1.659
-1.1705	-0.7025	0.3705	0.0935	-1.1365	-1.0105	-0.9225	-0.2975	0.3225	-0.2005	0.1995	-1.2375	0.8825	0.1615	0.4335	-1.5015	2.8825	1.6555	0.2555	0.5785	0.4275	0.1665	2.9355	1.1445	0.6665	0.6525	0.2455	-0.1625	0.0605	-0.0595
-0.069	1.746	1.248	0.666	1.062	1.421	-0.053	-0.098	0.35	-0.681	2.057	1.722	1.05	-0.028	0.398	-0.054	0.04	0.112	1.204	0.297	1.621	0.343	-0.638	-0.074	0.407	0.062	1.864	-0.803	1.535	0.89
-0.403	1.24	1.005	0.822	0.307	0.021	-0.259	0.528	-0.317	-0.264	0.224	0.294	0.621	-0.071	-0.04	-0.298	0.355	0.065	-0.249	-0.235	-0.193	-0.449	0.188	-0.029	0.018	0.002	-1.665	0.477	0.271	-0.081
-0.0215	-1.5235	1.1475	-0.4445	1.2785	-0.4925	-0.6155	-0.1475	0.3445	0.2005	-0.0025	-1.2425	0.4445	-0.9855	-0.5135	0.9875	1.3625	1.0505	0.5375	0.8915	-0.9845	0.4745	0.6425	0.5385	-1.2795	0.4445	0.0565	-1.4855	-0.0215	0.0855
-0.206	1.4	0.062	-0.108	-0.782	-0.6	-0.052	0.01	0.269	-0.004	-0.018	-0.537	-0.131	-0.925	-0.297	-0.028	-0.749	-0.792	-0.096	-0.166	-0.494	0.322	0.266	0.108	-0.606	0.361	-0.083	1.008	0.064	-0.15
-0.244	0.452	0.431	-0.031	0.499	0.389	0.657	0.085	0.426	0.264	0.808	0.966	0.045	0.589	0.686	1.396	0.688	0.59	0.227	-0.055	-0.175	0.648	0.891	-0.887	-1.047	-0.272	-0.403	-1.1	-0.8	-1.122
0.618	0.504	-0.303	-0.103	0.21	0.138	-0.611	-0.123	-0.12	-0.466	0.079	-0.008	0.289	0.347	0.081	-0.147	1.157	0.938	-0.172	1.306	1.062	0.747	-0.671	-0.85	-0.669	-1.061	-1.317	-2.267	-0.995	-0.901
-0.03	0.546	0.131	-0.577	-0.161	-0.289	0.643	-0.011	0.034	0.389	0.203	0.049	-0.279	0	-0.112	-0.249	1.503	-0.107	-0.416	0.027	0.257	0.348	0.015	-0.4	-0.493	-0.296	-0.539	-0.659	-0.273	-0.739
0.5285	0.1915	-0.1165	-0.2525	0.1325	-0.3795	-1.0695	-0.2115	-0.3635	-0.6945	-0.2905	0.1505	-0.2875	-0.5405	-1.6175	-0.3325	0.5765	-0.2885	-0.1305	0.1265	0.1475	-0.1115	0.6685	0.1125	-0.2125	-0.0405	-0.0135	-1.2615	-0.1625	-0.2405

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
0.0115	-0.0235	-0.1745	0.8745	2.6505	1.0895	0.7435	0.9305	-0.6675	1.1565	1.3285	0.5985	0.1745	1.0545	1.8695	1.2805	-0.3135	0.7385	0.1425	1.1775	0.6355	1.3125	-0.6985	0.4645	0.5275	-0.3635	0.1525	0.1695	0.1165	0.2535
-0.5945	-0.8825	-1.3775	-0.4065	2.4585	0.1485	-0.2255	1.9125	0.2205	-0.3905	-1.0755	0.7395	-0.7375	1.7295	-0.4195	1.6945	0.1095	-0.2825	-0.2105	1.2045	-0.7105	1.7895	-1.4435	0.1455	0.8095	-0.0085	-0.0615	-0.0565	-0.0735	0.0645
-1.621	1.318	1.417	-0.745	3.63	2.728	1.768	1.919	-1.054	3.206	3.222	2.411	1.474	3.05	-0.916	1.083	-0.205	2.563	1.011	0.98	1.584	-1.96	0.574	0.415	-0.167	-0.129	0.457	-1.034	-0.305	0.122
0.72	-1.316	-0.453	-0.125	-0.878	0.155	0.807	-0.04	-0.432	-0.129	0.774	-0.225	-1.05	0.254	-0.093	0.383	-0.881	0.433	0.325	0.002	0.591	-0.362	-0.32	-0.518	-0.002	-1.1	-1.935	-0.591	0.158	-0.256
1.7145	-0.2065	0.4945	0.9285	0.2815	1.6265	0.7925	-0.3525	0.5425	0.3475	0.2765	0.7805	0.1155	0.1535	-0.0855	1.0875	1.2115	0.8165	0.6035	0.6825	-0.3505	1.0525	1.0785	-0.3405	-0.3565	-0.2635	0.5515	-1.3565	-0.2645	-0.7255
-0.0275	-0.1225	0.4515	0.6705	-0.2165	0.0505	-0.2215	0.1405	0.2045	0.0085	1.4085	-0.0335	0.6795	-0.2705	0.5235	0.4065	0.6555	1.9195	0.7995	1.4435	1.9625	0.6425	1.8575	0.6395	0.5145	0.6735	-0.7605	1.1415	0.0265	-0.2485
0.243	0.318	1.167	0.941	0.101	-0.048	1.035	0.165	0.897	-0.029	0.184	0.385	1.213	0.509	1.595	0.899	0.167	0.491	0.583	1.113	1.258	1.017	-0.958	-0.767	-0.319	-0.713	-0.994	-1.462	-0.791	-1.034
-0.5925	-0.2805	-0.9015	-0.2475	1.0345	0.1145	-1.1665	-1.0005	-1.5065	-0.6515	-1.2775	-1.6455	-1.4195	-0.7505	-0.7535	-1.2615	-1.7585	-0.7015	-0.1575	0.1795	-1.5025	-2.0205	-0.8995	0.6405	0.4525	1.7935	-0.5425	0.0545	0.9615	0.6065
1.186	0.445	1.07	0.635	1.788	0.947	1.19	1.527	0.518	0.024	0.28	0.209	1.29	-0.081	1.305	1.287	0.382	1.221	0.859	0.72	0.488	3.213	0.44	-0.432	-0.455	-0.291	-0.229	0.102	-0.545	-0.571
-0.1475	-0.5435	-0.1665	-0.1955	0.4085	1.1355	-0.1605	-1.0115	0.2055	-0.7125	-0.3195	0.2125	-0.4775	0.8835	0.2135	0.4715	0.2875	0.4225	0.1105	0.0835	-0.4835	-0.4155	-0.1155	-0.1665	-0.7955	-0.2325	0.1295	-0.8925	-0.9725	-0.7185
-0.0405	-1.0675	-1.0195	-1.0565	-1.2085	-0.1825	-0.2765	0.6175	-0.0895	-0.6775	-0.1875	1.5055	1.0345	-0.2135	0.2565	-1.6045	0.4555	2.2955	0.6865	-0.5805	1.2315	-0.7175	0.7455	1.8575	0.7355	-0.3785	0.3535	0.9045	-0.0655	1.0235
0.7095	0.8725	0.8295	0.6755	1.5775	0.4645	0.9595	0.2925	0.2285	0.4715	0.1815	0.6755	0.6785	0.2055	1.0655	-0.0815	0.3815	0.1565	0.5895	0.6835	0.9655	1.8055	0.2325	0.3175	0.2525	-0.0925	0.4065	-0.1185	-0.0245	0.1205
-1.9135	-0.7265	-2.4765	-2.0695	-3.2025	-0.7875	-0.1685	-1.2775	-0.9505	-1.0245	-1.2565	-1.6945	-1.3025	-1.2095	-0.2225	-0.8875	-1.5745	-2.1475	-1.3735	-0.6025	-0.7265	1.1575	-1.4705	0.0325	-0.4055	-0.1565	0.1665	-0.0235	-0.2655	-0.2035
1.635	0.86	0.23	0.627	2.575	0.039	1.974	1.955	-0.197	1.263	1.074	3.641	1.718	0.428	-1.17	-3.183	2.641	-0.467	-0.227	0.883	2.68	3.017	0.478	-0.659	-0.157	1.668	-0.103	0.336	0.314	-0.2
-0.2225	0.1215	0.4795	-0.7405	-1.0705	-0.5505	-0.8415	-0.6515	-0.0525	0.3465	-0.5735	-1.1795	-1.7325	0.4955	-0.5615	-1.5115	-1.0735	-1.7235	-0.1035	-1.2485	-0.5195	-1.6125	-1.7525	1.3075	1.2505	0.0415	1.0605	-0.3475	0.0195	0.3825
1.3325	0.6215	-0.6285	1.1685	-0.3885	0.2665	1.9455	1.3695	0.9145	0.3965	0.5085	0.3085	0.3395	1.7975	0.6025	1.4255	0.0595	-0.1735	2.1675	0.4905	-0.0905	3.2795	0.1295	-0.2825	-0.1935	-0.2575	0.1635	-0.1075	0.0965	-0.2745
-0.121	-0.425	-0.964	0.543	0.124	-0.052	0.38	0.456	-0.378	-0.184	0.289	-0.152	-0.469	0.304	-0.073	0.385	1.645	-0.174	-0.604	-0.306	0.02	-0.517	-0.192	-0.873	-0.51	-0.773	-1.36	-1.483	0.034	-0.332
-1.0545	0.3205	0.2105	-0.6745	-0.0695	-0.2195	0.0105	0.0025	0.1475	0.6125	-0.0375	0.9475	-0.1145	0.2335	0.4175	0.5855	-0.5525	-0.2365	0.2695	-0.5795	-0.0975	-0.2455	-0.8325	0.6945	1.0195	0.4415	-1.5255	0.9685	0.4505	0.3465
0.848	0.762	0.82	0.474	1.105	0.343	0.353	0.32	0.545	-0.113	0.393	0.459	0.703	1.291	0.257	1.293	-0.316	1.084	0.813	0.907	0.151	0.405	0.155	0.131	-0.474	-0.241	0.083	-0.947	-0.634	-0.486
-0.3875	0.0095	0.8055	-0.3735	0.4825	-0.2485	1.0015	1.4185	-0.8275	-1.3205	-0.3275	-0.8135	-0.6655	0.7795	-0.5815	-1.1395	-0.5075	-0.6255	-0.4505	-0.1625	-0.0135	0.3695	-0.0965	-0.0815	0.6905	0.2755	0.6605	0.4685	0.3205	0.7175
-1.025	-1.38	-1.833	-1.486	-1.107	-0.01	0.436	0.346	-0.157	-1.592	-0.87	-0.693	-0.392	0.674	-0.544	0.273	0.212	-0.181	-0.365	-0.042	-0.575	-0.721	-1.196	0.299	0.516	-0.204	-0.021	-0.503	0.135	0.017
-0.1495	-0.1395	-0.2205	-0.1565	-0.2795	0.5415	0.0095	0.6685	-0.1695	0.2195	-0.5845	-0.1905	0.3275	-0.1265	0.2715	1.0075	0.0345	0.3765	0.1185	0.5105	0.0645	0.0915	0.0355	-0.1975	-0.1105	-0.3455	-1.6305	-0.6005	-0.1325	-0.1635
1.2065	1.3835	2.0115	1.3925	1.5235	2.1955	0.7655	0.7085	1.0685	0.4465	1.8375	2.5695	-0.6745	1.1445	1.4425	0.5245	1.4395	1.7415	1.0155	-0.4695	0.1595	0.4475	1.9845	0.0215	0.1835	-0.0845	0.8815	0.0245	0.7885	1.0425
0.751	-0.205	0.725	1.294	2.99	1.388	0.202	0.684	-0.48	-1.028	-0.64	2.057	0.391	1.797	0.558	0.409	-0.48	-0.722	-0.741	0.972	0.941	0.074	-1.059	-0.681	-1.215	-1.208	-0.284	-1.615	-1.192	-0.016
-2.2835	-2.7835	-0.0625	-3.3415	-2.0755	-0.5335	-2.1785	-1.6285	-0.8995	-2.5985	-1.0655	-1.3165	-1.4435	-2.9645	-2.6275	-1.2235	-1.5895	-2.5465	-1.3875	-1.9755	-1.4375	-2.8465	-1.7505	-0.2805	-1.1745	0.2675	-0.5615	-0.0055	-0.4845	-1.8155
1.0065	-0.5995	-0.9825	-0.5565	-0.7775	-0.1165	-0.9795	-0.4625	-1.3225	-0.7775	0.1575	-0.3915	-0.7145	-0.1565	-0.2755	-0.7995	-0.2855	-0.1605	-0.4705	-0.2555	-0.2265	-0.2985	-0.5355	0.0545	-0.1935	-0.1335	-0.3715	-0.9435	-0.5765	-0.8475
-0.7425	-0.1575	0.5295	0.4105	-0.4315	0.0755	-0.5565	0.1945	1.0205	-0.0435	0.7715	-1.0045	0.4055	0.7535	0.4825	-0.4595	1.9425	1.4785	0.8515	1.5525	0.6295	0.1755	2.5945	1.3525	0.3805	1.5085	-0.0595	-0.0015	-0.8045	-0.2195
-1.077	-0.018	0.344	-0.265	-0.29	-0.238	-0.518	-0.301	-0.005	-0.353	0.416	-0.818	-0.475	-0.61	-1.196	-1.075	-0.749	-0.368	-0.549	-0.419	-0.664	-0.753	-0.317	0.24	-0.107	0.063	0.246	-0.37	0.001	0.185
0.5515	-1.7185	-2.0765	-0.8775	-1.2915	0.0185	0.3905	0.5685	-0.4055	-0.6475	-0.7955	-0.0185	-0.1415	0.6505	0.8415	-0.3185	0.6355	0.3165	-0.2275	0.4325	0.1085	-0.0975	-0.1365	0.6855	0.7415	0.3475	0.1805	-0.5625	0.1635	0.8585
-1.508	-2.875	-2.164	-2.094	-1.692	-0.842	-0.247	-0.59	-0.729	-0.639	-2.122	0.457	2.533	-1.309	-1.256	-1.562	-0.211	-0.601	0.087	0.152	-0.136	1.634	-1.36	-1.904	-1.698	-0.954	0.446	-2.376	0.015	-1.579
1.0265	-0.1695	1.2675	0.9655	0.7635	1.0815	-0.4605	-0.0225	0.0835	0.5515	0.5935	0.0485	0.1035	0.1995	0.1415	2.6715	1.0925	0.0365	0.2335	0.2765	-0.6815	0.7135	-0.7235	-0.5305	-1.4685	0.2775	-0.0015	-0.7285	-0.8685	-1.0175
-1.293	-0.082	-0.68	-0.358	-0.649	-0.919	-1.106	-0.494	0.077	-0.403	-0.272	-1.03	-0.669	-0.618	-0.111	-1.687	-0.071	-1.09	-0.539	-0.289	0.192	-1.323	-0.513	-0.295	-0.313	-0.058	0.384	0.289	-0.284	-0.05
-0.526	-0.978	0.762	1.455	1.235	0.485	-0.392	-0.379	0.564	-0.365	1.057	0.943	0.582	1.627	2.195	0.068	1.436	3.172	1.739	3.298	-1.222	2.067	0.329	1.085	0.307	1.993	1.764	0.843	-0.037	0.127
0.5905	1.5795	0.0045	1.6325	-0.3385	0.8395	0.1785	-0.3345	1.3205	1.6045	-0.1075	-1.2805	0.0975	-0.6345	-0.2705	-0.8205	-0.0825	-1.4555	-0.2715	-0.1265	0.9885	0.4425	0.0285	0.3375	0.6125	0.4765	-0.7195	1.1845	0.9005	0.9135
0.026	-0.093	0.85	-0.063	-0.185	0.61	0.287	-0.926	-0.21	0.073	0.889	-0.721	-0.29	0.29	0.04	-1.31	-0.16	0.684	-0.193	-0.82	-0.823	0.24	0.129	0.019	-0.577	0.058	0.68	0.24	0.501	0.47
-0.0505	-1.2785	0.2985	-0.5445	-0.6595	-0.6595	-0.2405	0.4915	0.0085	-0.2365	-0.8525	0.4145	0.4075	-0.0725	1.4005	0.5275	0.8535	0.4635	0.1255	0.5435	0.0835	0.0215	0.1215	-1.0005	-0.9375	-0.9535	0.3355	-1.1085	-0.6595	-0.3825
1.608	0.141	-0.187	-0.427	0.516	1.417	1.14	0.913	0.8	0.29	-0.13	0.24	1.688	1.186	1.621	0.175	1.149	0.767	0.968	1.038	1.826	0.258	0.194	-0.062	-0.574	-0.306	0.492	-0.781	0.535	0.536
0.0265	0.3445	0.1975	0.2535	0.4765	0.1235	1.9035	1.2445	0.0445	0.7825	0.7525	1.2475	0.6975	1.0545	0.6945	0.6455	0.4245	0.7905	0.6855	0.2655	0.9295	1.5925	-0.1365	-0.2835	-0.1755	-0.4525	-0.6365	-1.3605	-0.4855	-0.2445
-0.3815	-0.4005	-0.8545	-0.4925	-0.5935	0.3535	0.4055	0.0965	0.0065	-0.0765	-0.5085	-0.1115	-0.2605	-0.1775	-0.1805	0.3395	-0.2795	-0.0825	0.3595	0.9945	1.2905	0.8015	-0.2155	0.3065	-0.0415	1.7105	0.5515	-0.0255	-0.4025	-0.1045
0.1755	0.2825	1.4365	0.6325	2.9845	1.7635	0.7925	0.7185	1.8555	0.1955	2.2005	2.4445	2.4185	0.3565	0.9305	2.0075	-0.6355	-1.0015	-0.2205	-0.0765	1.8235	2.0145	0.0405	0.0105	0.9835	0.3275	0.0895	0.0845	-0.2765	0.3345
-0.5675	-1.3385	-0.1915	0.2335	1.4165	-0.0185	0.3585	0.3745	-0.5165	-0.5525	-0.0145	0.2935	0.0985	0.0935	0.3085	0.3315	-0.3555	-0.0175	0.0175	0.9125	0.0145	0.1475	-0.4795	-1.0135	-0.7195	-0.4545	-0.3865	-1.3655	-0.3995	-0.9805
0.4015	0.7945	1.2605	0.6415	1.3845	0.8185	0.5095	0.0725	0.5825	0.2745	0.9565	0.3815	-0.1645	0.2705	-0.1395	0.1545	0.7825	0.3245	0.2765	-0.0525	0.5025	0.4365	0.0845	0.0075	-0.1265	0.1555	0.4265	0.3275	0.4165	0.1965
-0.755	-0.383	0.602	0.292	0.383	-0.052	-0.543	0.055	0.486	0.571	0.156	0.461	0.205	0.143	0.637	0.198	-0.366	0.471	0.06	0.063	0.188	-0.951	-0.163	-0.573	-0.51	-0.335	0.073	-0.638	-0.005	-0.568
-0.0075	-0.9195	0.4645	0.5845	0.0955	1.9115	0.5275	-0.0915	0.0955	0.5695	1.8125	-0.8385	-0.2595	-0.3255	0.1255	0.6335	0.1135	0.1195	-0.0285	1.3345	0.9995	2.0705	0.5015	-0.1585	0.2735	0.0875	0.9535	0.5705	-0.3305	0.2635
0.0035	-0.1615	0.3385	0.1355	1.2655	0.6715	0.4025	0.3235	0.0285	-0.8725	-0.0715	-0.4035	1.4575	-0.2075	-0.1785	0.0585	0.0665	0.6415	-0.4205	0.0295	0.5555	2.0335	-0.3175	-0.8825	-0.6105	-0.4545	-0.0905	-1.2015	-0.5075	-0.6515
0.542	0.685	0.414	1.109	1.081	0.679	1.024	0.096	0.323	-0.037	0.101	-0.128	0.034	0.413	0.268	1.038	0.757	0.056	-0.199	0.272	-0.081	0.622	0.173	-0.36	-0.555	-0.001	-0.021	-0.171	-0.582	-0.495
-1.524	-1.162	0.637	-0.707	-1.691	-0.015	-0.871	-0.925	-0.122	0.026	-0.932	-1.215	-0.73	-1.023	-1.375	-0.845	-1.167	-1.906	-0.555	-0.429	0.841	-0.064	0.699	0.051	-0.138	0.048	-0.19	0.617	-0.697	-0.42
-0.01	-0.667	-0.43	-0.44	0.799	-0.019	0.358	1.029	0.454	0.447	0.243	0.075	0.214	-0.123	0.247	-0.03	2.144	-0.13	-0.288	0.464	0.199	0.919	0.195	0.095	0.082	0.95	-1.165	-1.285	-0.553	-0.529
-0.6005	-0.2545	0.6765	-0.5405	0.1105	0.0705	-0.1765	0.0575	-0.9735	-0.0345	0.4655	0.4525	-0.4185	0.0465	0.1165	1.4215	-0.2255	0.7575	0.3625	-0.1585	-0.0995	-1.2375	0.8385	-0.9485	-0.5385	0.3405	-0.4375	-0.3805	-0.1305	-0.2455
1.278	-0.193	0.468	0.438	0.549	-0.13	-0.638	0.114	0.179	-0.384	-0.631	0.609	0.029	1.087	0.319	0.232	0.383	0.612	-0.272	0.538	0	-0.193	0.04	0.108	-0.476	0.645	-0.508	0.136	-0.639	-0.291
-0.8575	0.0185	-0.4005	0.1705	-0.4875	0.1095	-0.0425	-0.2475	0.2455	-1.1405	-0.5355	0.0645	0.2905	-0.0425	-0.1255	0.0705	1.2215	0.1005	-0.1135	0.2675	-0.4415	-0.6105	-0.0965	-0.5145	0.2535	-0.0875	-0.2825	-0.4875	0.0885	-0.3305
0.4535	-0.3225	0.4435	0.6095	0.5795	0.6745	-1.2055	-0.2065	0.5785	-0.3775	0.7025	0.9015	0.8915	1.5575	-0.1905	0.2525	0.1555	0.4085	0.0695	-0.0685	0.6215	-0.5565	0.8985	-0.2705	-1.0975	0.3025	0.5825	-0.2825	-0.3075	-0.7185
0.2365	-0.1425	0.4755	0.5825	-0.2515	0.1755	0.4565	0.4875	0.1285	-0.0715	1.1215	0.5295	0.6125	0.3945	-0.3945	0.5925	2.1625	0.7575	0.5245	0.4915	0.3335	-0.3005	-0.0525	-0.7505	-0.9125	-0.7945	0.6275	-0.6935	-0.6635	-0.8135
0.2955	-0.1045	-0.5135	-0.4015	-0.2365	-0.5995	0.0845	-0.4005	-0.3305	-0.6325	0.1415	-0.9795	-0.1475	0.2665	0.2485	0.2445	-0.2165	-0.0315	-0.1485	-0.3405	-0.2685	-0.5575	0.0415	-0.1995	0.0505	0.0905	-0.4585	-0.1615	0.1335	0.1885
0.7365	1.4045	0.7995	-0.3475	0.3155	0.3285	1.8165	-1.1205	-0.8125	-1.0835	-0.3225	0.4155	0.0045	0.4475	1.1325	-0.2165	-0.6965	0.6685	-0.1915	-0.3585	0.0395	0.3075	-0.9125	-0.3785	-0.8125	0.3855	-0.3035	0.2285	0.2605	-0.1595
0.03	0.088	-1.235	-2.139	-2.057	-0.617	-0.536	-1.265	-0.885	-1.364	-2.374	-2.141	-0.457	-1.503	-1.28	-2.002	-2.013	-2.453	-0.655	-1.285	-2.07	-1.475	-2.127	-0.68	0.035	-0.633	-0.131	1.234	-1.114	0.561
0.307	0.203	-0.375	-0.348	-0.027	0.405	-0.513	-0.157	-0.092	-0.274	0.273	-0.876	-0.551	-0.164	-0.245	-0.054	-0.249	-0.38	-0.664	-0.001	0.476	-0.462	-0.131	-0.16	-0.115	-0.055	-0.105	-0.774	0.451	-0.077
-0.785	-0.225	-0.671	1.483	0.73	0.162	0.371	-0.345	-0.798	-0.492	0.207	1.047	-0.2	0.265	0.121	-1.432	-0.105	-0.68	-0.606	-0.042	-0.849	-0.006	-1.76	0.189	-0.073	-0.682	-0.989	0.199	-0.688	0.167
0.8595	0.3675	-0.7055	4.3675	-0.1015	-1.9065	-0.5875	-0.1235	2.0935	3.2705	4.4325	2.4165	0.8075	-0.5015	2.9115	0.7345	0.2875	3.7995	-0.0385	1.7775	2.9635	0.5265	3.9465	1.2545	-0.1635	0.2885	-0.0195	0.3465	-0.2765	-0.1785
0.421	0.672	0.443	0.684	1.055	0.687	0.874	0.263	0.637	0.917	0.991	0.956	0.526	-0.307	0.486	-0.032	1.155	0.666	0.411	-0.117	0.668	2.538	0.176	-0.337	-0.508	0.31	-0.037	-0.053	-0.109	-0.663
1.1175	-0.1695	0.7115	0.4965	0.5915	1.1385	1.0715	1.0875	1.1615	-0.2235	1.0125	1.3025	0.9875	0.9125	0.8485	1.6285	0.9785	1.7195	0.9405	0.8695	0.2035	0.8075	0.2195	-0.5485	-0.3085	-0.4495	0.5705	-0.7605	-0.0595	-0.1025
0.091	-0.487	0.513	0.662	0.1	-0.181	-0.067	-0.207	0.317	0.237	-0.363	-0.18	-0.19	-0.265	-0.188	-0.477	0.403	0.022	0.238	0.632	-0.627	0.07	0.577	0.042	0.321	-0.42	-0.1	0.058	-0.124	-0.012
-1.4895	-1.8485	0.5245	0.8025	-0.8105	0.1475	-0.1975	0.1875	0.2425	-0.0975	1.0005	0.2735	0.6805	0.2295	1.4545	-1.0425	1.0485	3.0655	2.0535	2.3545	-0.1095	1.0295	0.7715	-0.0525	-0.3965	1.4455	-0.1375	-0.2735	0.2565	0.0205
0.724	0.797	2.148	2.167	0.354	0.225	0.189	0.165	1.009	0.823	0.756	0.102	-0.195	0.409	0.824	0.863	0.747	-0.323	-0.37	0.256	1.137	0.583	-0.147	-0.242	0.157	-0.434	-1.717	-1.341	-0.282	-0.407
0.145	-0.22	-0.431	-0.256	0.972	0.202	1.177	0.962	-0.09	0.898	1.458	-0.116	-0.263	-0.039	0.889	0.226	0.113	0.463	0.128	0.725	0.907	1.526	-0.003	0.198	0.26	-0.215	-0.834	0.235	0.177	-0.114
-0.341	-0.294	0.979	-0.68	0.217	-0.068	1.185	1.1	-0.677	0.76	-0.037	-0.211	-0.638	-0.527	0.757	0.008	0.357	0.131	-0.272	0.558	1.211	0.015	2.39	0.288	-0.013	0.102	-1.089	-1.569	0.096	-0.102
0.5125	1.8385	1.6705	1.8825	1.9155	1.2375	1.0385	0.0875	1.1695	1.2235	1.6985	1.1015	0.3925	0.7605	0.6875	0.0635	0.2585	1.2855	0.8665	1.4495	0.7755	1.0925	1.1685	-0.3865	-0.2535	-0.2565	0.1985	-0.2555	0.3625	0.6475
2.1525	1.0185	0.0885	1.1015	0.4065	0.9275	1.4445	0.6155	1.0505	0.8115	-0.5825	2.5145	0.4725	0.0065	-0.1655	1.0185	1.0285	1.5865	0.6445	1.7275	0.3045	0.6395	0.8025	1.1705	1.5355	0.1835	1.4745	-0.4055	0.1505	0.6035
-0.168	0.054	0.704	0.699	-0.364	-0.156	-0.058	0.327	1.165	0.185	0.522	-0.097	2.08	0.454	0.521	-0.092	4.009	2.332	0.471	0.17	1.214	0.094	3.22	1.07	0.42	0.701	-0.076	0.472	-0.231	-0.1
0.1655	-0.2775	0.1505	0.1655	1.1925	1.0035	0.1585	0.6685	0.1795	0.5595	0.5425	1.8425	1.8415	0.8855	1.2805	0.9885	0.2275	0.1815	0.1575	1.1245	0.4875	0.0795	-1.3565	-0.2615	-0.0935	-0.3205	-0.9595	-1.2375	-0.0095	-0.0705
0.9285	1.0315	0.8525	-0.2255	0.6735	-0.0115	0.6855	0.5705	-0.6595	0.8775	0.6185	-0.1125	-0.0945	1.0605	0.0255	-0.2845	0.2725	-0.3875	-0.1795	-0.1825	0.0035	0.6245	0.9985	-0.0855	0.2285	-0.0575	0.4385	-0.1975	0.6105	0.1295
1.8495	-1.3925	2.8385	-0.8485	0.2415	-0.4245	0.0095	1.9955	0.7725	0.2925	-0.3985	0.0335	0.9685	0.7635	0.7105	4.0745	0.4315	4.7395	3.3305	0.4935	3.2885	1.3285	1.0385	0.7635	1.1325	0.6025	0.1005	-0.2765	0.4705	0.6615
1.5805	1.2095	-0.4845	0.7665	-3.2695	0.2905	1.3335	1.2795	1.5575	0.5765	2.0345	2.1835	1.7295	1.4965	1.5845	0.9965	0.0035	-0.6785	1.7485	0.7665	0.3335	0.6555	-0.1575	-0.6885	-0.4965	-0.4935	0.5265	0.5875	-0.1365	0.0365
-1.5075	-1.3285	-0.0315	0.0485	0.3765	0.8305	0.6525	-0.1665	0.5975	0.1605	1.8335	-1.4225	-1.0785	-0.0935	-0.9345	1.8035	-1.2055	-1.1635	-1.1765	-0.9735	-0.0455	-0.7635	0.2985	-1.1665	-0.7075	-0.6975	-1.0035	0.6335	-0.0645	-0.7025
-0.0475	-0.2135	0.4075	0.7215	0.1945	0.7375	0.5315	-0.0735	-0.3845	-0.4295	-0.3425	0.1775	0.6445	0.2235	0.5495	0.4695	0.4235	1.2105	0.8435	0.8605	0.0245	0.8515	-0.5545	-0.3885	-0.2785	-0.6195	0.2405	-0.4665	-0.5075	-0.3575

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-0.1715	0.0885	0.6105	0.3605	0.7855	0.7815	-0.5735	0.5185	0.2625	-0.3475	-0.7465	0.6225	0.4625	0.5065	1.4475	0.6895	0.3655	-0.1555	-0.3645	0.5435	1.2025	0.5585	0.5005	-0.1535	-0.4655	0.2285	-0.7425	-1.1815	-0.8205	-0.9115
-0.276	-0.488	-0.946	-1.275	-0.052	-0.383	-0.295	-0.643	-0.252	-0.227	-0.448	-0.941	-0.654	-0.031	-0.646	-1.068	-0.03	-0.035	-0.374	0.067	0.179	-0.584	-0.36	0.14	0.102	0.222	-0.198	-0.134	0.479	-0.136
0.15	-0.517	-0.275	-0.047	-0.281	0.408	0.226	-0.217	-0.089	-0.076	-0.611	-0.234	-0.093	-0.166	-0.212	-0.241	0.288	0.237	0.213	0.714	-0.155	0.584	-0.899	-0.734	-0.295	-1.361	-0.322	-1.094	-0.606	-0.811
0.7645	-0.3495	0.2165	-0.0005	-0.9385	0.5425	0.8725	0.6645	0.2535	0.0205	0.6035	1.1435	-0.2445	1.1665	1.4765	0.8205	1.0365	0.5435	0.7195	-0.3655	0.4755	-0.7885	-0.4425	-0.1415	-0.3135	-0.9705	-1.6025	-1.2275	-0.6145	-0.3955
0.822	-0.421	-0.454	-0.002	0.729	0.013	1.063	0.87	0.176	0.293	0.158	0.752	0.468	1.521	0.741	0.602	1.228	1.107	0.514	0.429	1.14	0.603	-1.371	0.148	0.05	-0.767	-1.211	-0.486	-0.547	-0.773
-0.7105	-0.3265	0.2975	-0.3335	-0.5405	0.0585	-0.6545	-0.8565	0.0895	-0.4445	-0.2545	-0.2985	-0.5625	-0.3185	-0.6165	-0.6055	1.8725	-0.4265	-0.4675	-0.0015	-0.1305	-0.7685	0.1935	0.2815	0.3035	0.2885	0.7165	-1.0855	-0.6305	-0.0535
1.1145	0.1385	-0.4505	-0.6125	-0.6005	1.4905	-1.1245	-1.2215	0.0975	0.1255	0.1665	1.1505	1.8775	1.5055	0.2775	-0.1985	-0.7435	-0.0185	1.8725	0.7735	-1.0875	0.8485	-0.0115	0.7275	-0.0075	-0.1275	-1.0355	-1.9945	0.5045	-0.2095
-0.8325	0.7005	-1.2515	0.4765	0.5265	0.4255	1.1095	-0.5285	0.3515	0.8915	0.1195	0.5485	0.5365	0.2635	-0.8845	0.2165	-0.4795	-0.7625	-0.4595	1.1055	0.5835	0.6925	0.1625	-0.7885	-0.5275	-0.6925	-0.3765	-1.2555	0.2835	-0.3995
0.384	-0.616	-0.621	0.628	0.083	-0.288	-0.709	-0.581	0.381	-0.594	-0.73	-0.536	-0.324	-0.232	0.098	-0.261	-0.477	0.034	-0.07	0.254	-0.28	-0.566	-0.996	1.135	0.243	-0.548	0.514	-0.612	-0.887	-0.08
0.543	0.385	0.26	0.393	1.502	-0.252	-0.761	-0.781	-0.091	-0.965	-1.158	-0.745	-0.404	0.455	-0.647	-1.331	-0.492	-1.173	-0.907	-0.35	1.176	-0.353	-0.875	-0.994	-1.03	-0.474	-0.681	-0.88	-0.946	-0.599
-0.0115	-0.2495	0.1785	0.4545	0.5075	0.1055	0.2165	0.0945	0.2005	0.0965	1.1785	-0.1235	-0.3665	-0.1565	-0.3935	0.3085	0.3785	0.2495	-0.4625	0.5725	0.5315	0.0675	0.4675	-0.8505	-0.4075	-0.6435	-0.9375	-0.9865	-0.0255	0.0085
-0.232	-1.166	0.322	0.065	-0.175	0.029	-0.291	0.118	0.432	0.115	0.763	-0.114	0.277	-0.412	0.399	0.178	0.923	1.34	0.585	1.334	0.441	0.528	1.457	-0.054	0.181	0.229	-0.519	-0.101	-0.241	-0.009
1.748	0.905	0.927	0.703	1.032	0.998	-0.093	0.88	-0.193	0.293	1.165	-0.396	-0.641	0.032	0.327	0.43	-0.994	-0.07	1.155	0.439	0.238	0.589	-0.419	-0.168	-1.363	-0.369	0.138	-1.532	-0.668	-0.259
-1.057	-1.253	0.386	-0.128	-0.53	-0.053	0.344	-0.3	0.484	-0.199	-1.255	-0.418	0.61	-0.618	0.093	0.257	0.422	-0.563	0.009	0.194	-0.942	0.051	0.211	0.157	-0.348	-0.016	0.219	1.356	-0.059	-0.046
-0.727	-0.948	-0.759	-0.694	-0.633	0.27	-0.057	-0.111	-0.469	-0.476	-0.212	-0.135	-0.261	-0.599	-0.306	-0.677	-0.54	-0.252	0.127	-0.447	-0.168	-0.339	-0.921	0.253	0.185	1	-0.35	0.767	0.208	-0.22
0.4045	0.1885	0.1515	0.7015	0.3895	0.8805	1.8685	1.2305	0.9635	1.3325	-0.5485	1.0085	1.4945	0.9935	0.0795	0.2945	0.1485	-0.6915	0.5355	2.2085	2.2625	1.7665	-0.5915	-0.1845	-0.5725	-0.4955	0.0525	-1.0825	-0.5075	-1.1115
0.3045	-0.0495	0.6425	0.5875	1.4775	1.1315	0.8335	0.6185	-0.0265	0.3225	0.3775	-0.1065	0.4825	0.0575	0.5155	1.1075	0.6065	0.7805	0.5435	0.6405	0.6725	1.5935	0.9005	-0.0265	-0.0075	0.8365	-0.2375	-0.5745	0.0695	-0.5685
1.276	0.146	0.121	-0.557	1.025	0.33	0.028	-0.493	1.012	0.222	0.3	1.035	1.323	0.575	0.568	0.012	0.269	0.238	0.237	0.302	1.584	1.215	1.131	0.35	0.111	-0.367	0.159	-1.09	-0.694	-0.531
0.4805	-0.5165	0.5185	-1.6015	-0.2365	0.1945	-0.4125	0.0825	0.3995	-0.0245	0.7175	0.0355	-0.2005	0.8255	1.1795	0.5965	0.0075	-0.0485	0.4195	0.2725	0.1985	-0.3995	0.1235	-0.0335	-0.4925	0.7655	0.7395	-1.0585	0.0505	-0.3185
-0.7915	-1.0375	1.2875	-0.0315	-0.1655	-1.7035	-2.4395	-1.0275	-0.8475	-1.6685	-0.7065	-0.5395	0.5205	-0.5895	0.5875	1.5445	0.0825	0.9925	-0.1875	-0.5895	-0.7055	-1.0755	1.2965	-0.7595	-0.7315	0.8915	-0.0155	-0.1795	-0.4545	-0.6845
0.6035	0.4595	0.9815	-0.0405	0.5685	0.3905	0.5505	0.6795	-0.6495	-0.7925	-0.0965	0.1065	-0.2725	1.2155	1.4275	0.2035	1.2375	-0.8785	-0.3975	-0.0425	0.4105	-0.3715	-1.0155	-0.8735	-1.3155	-0.1625	-0.4475	-1.2315	-0.3685	-1.0605
-0.738	-0.631	-1.129	-2.112	-0.688	-0.006	0.119	-0.429	-0.601	-1.138	-1.064	-0.342	-0.061	0.723	-0.233	-0.592	-0.235	0.215	-0.896	-0.008	-0.8	-0.861	-2.229	-0.288	-0.388	-0.213	0.482	-1.035	-0.547	0.19
-1.538	-1.137	-0.81	-1.142	0.844	0.563	-1.241	-1.309	-0.412	-0.553	-1.568	1.129	0.891	1.698	-0.972	-1.891	-0.047	-0.515	-0.531	-0.266	0.938	-0.684	0.482	0.194	0.195	-0.053	-0.002	0.432	-0.052	-0.496
-0.4215	-1.2295	-1.6015	0.5845	-1.1035	0.3525	-0.6595	0.2495	-0.2155	-1.1095	0.5835	-0.0385	-0.0255	1.0085	-0.0685	-0.3515	-1.1195	-1.0335	-0.8135	-0.2975	-0.6225	-1.1105	-0.0965	0.5125	0.0285	0.1175	0.1095	-0.1285	0.6275	-0.1485
0.171	-1.875	0.928	-0.357	0.202	-0.884	-1.032	-0.624	-0.808	-0.883	-1.7	0.559	-0.675	-0.27	-1.249	0.085	-1.771	-0.508	0.003	-0.776	-0.003	-0.414	-1.636	-0.271	-0.565	-0.457	0.106	-1.236	-1.309	-1.553
-1.1555	-1.7265	-1.1765	-1.1535	0.9525	0.1365	0.2805	-0.8685	-0.6905	-0.3745	-0.5115	0.4095	-0.4125	-0.2315	-0.2995	1.6035	-1.0795	-0.1445	-0.8455	0.2325	0.2795	-0.0745	-0.6455	-1.7345	-1.7285	-1.1505	-1.3385	-1.8605	-1.1045	-2.1265
-0.538	-0.417	-0.377	-0.225	0.627	0.534	-0.442	0.29	0.116	-0.463	-0.382	-0.968	0.154	0.092	-0.6	0.798	-0.651	-0.041	-0.671	0.783	-0.704	-1.119	-0.001	-0.486	-0.342	0.272	-0.964	-0.025	0.156	-0.52
0.916	0.626	0.341	1.11	1.253	1.073	-0.016	0.202	0.402	-0.773	0.216	1.223	1.206	0.756	0.207	-0.672	1.171	1.367	1.017	0.848	0.894	0.433	0.513	0.082	-0.195	0.054	0.002	-0.379	-0.508	-0.741
-0.8	-0.592	-0.363	-0.146	0.203	-0.304	-0.45	-0.418	0.105	-0.093	-0.596	-0.599	-0.115	-0.532	-0.282	-0.571	0.229	-0.514	-0.252	0.012	-0.091	0.002	-0.195	0.376	0.684	-0.041	-0.357	0.559	-0.159	0.063
-1.113	-0.831	-0.619	-0.67	-1.392	-0.552	-0.145	0.084	0.661	-0.377	-0.494	-1.726	0.303	0.379	0.432	-0.057	0.304	-1.19	-0.315	0.124	0.245	-0.68	-0.474	0.029	0.603	0.255	0.196	-0.252	-0.001	0.261
0.5935	-0.5125	0.4455	0.3485	0.6255	0.6825	-0.2255	0.1185	-0.1795	-0.1735	0.2185	0.8715	0.6485	1.1495	0.9095	0.8225	0.3285	1.1765	-0.0855	1.0205	0.2085	0.2135	0.3825	0.3825	-0.3385	0.3085	-0.4765	-0.8765	-0.4535	-0.6675
-0.679	-1.191	0.172	-0.329	-0.513	-1.62	-0.457	-0.04	-0.58	-0.468	-0.328	0.043	-0.036	-0.385	-0.048	1.078	0.481	0.621	0.121	0.27	0.168	-0.362	0.047	0.029	-0.105	-0.911	-0.04	0.061	0.292	0.096
0.048	0.121	0.181	-0.16	-0.011	0.164	-0.156	0.003	-0.025	-0.162	-0.323	-0.096	-0.05	0.228	0.222	-0.026	0.074	-0.182	-0.095	0.094	0.134	-0.194	0.222	0.261	-0.145	0.01	0.936	0.197	0.195	0.211
-0.0385	0.1355	0.1535	-1.0265	-2.2615	-1.1805	-0.0815	1.4635	-0.7035	-0.6005	0.5465	0.7235	0.3815	-0.1745	-0.4565	0.5325	-0.3765	-0.3525	0.0005	-0.1845	-0.3185	-1.0965	0.5375	-0.8315	-0.6555	0.1705	-1.4995	-0.2385	0.0095	-0.9125
0.104	-0.319	0.216	-1.296	-0.358	-1.232	0.063	0.797	-1.273	-1.765	-1.016	-1.088	-0.623	-0.03	-1.265	-1.235	0.28	-1.043	0.618	-1.024	-1.671	0.408	-2.426	-0.915	0.385	-1.9	-1.321	-0.454	0.699	-0.348
-0.451	0.498	0.282	0.159	0.996	0.001	-0.064	0.765	-0.153	0.605	0.265	0.741	0.345	1.132	0.492	0.75	0.255	1.348	-0.009	1.22	-0.516	0.032	0.642	-0.543	0.035	-0.056	-1.097	0.004	-0.476	0.05
0.461	0.042	0.815	0.765	0.522	0.605	0.862	1.102	0.147	-0.485	0.618	1.078	0.376	0.506	0.284	1.055	1.74	1.441	0.84	-0.436	0.386	1.63	0.436	-1.368	-2.035	-0.393	0.09	-2.272	-0.401	-1.329
-0.7725	-0.7975	-1.1905	-0.4295	-0.4515	-0.2465	-0.1405	-0.0245	-0.1845	0.2905	-0.0625	-0.1885	-0.1835	-0.4745	0.2215	0.2455	-0.0645	-0.1965	-0.1575	0.3745	-0.5965	-0.1495	-0.2535	-0.2595	-0.1975	0.0435	-1.4045	-1.1115	0.0545	-0.2585
0.0665	0.4865	0.6835	0.5355	0.8555	0.6465	0.6325	0.7205	-0.0465	-0.0585	0.1975	0.7875	0.5805	-0.4365	1.0775	0.8105	1.2575	1.4215	0.5805	0.6855	0.6295	1.1595	0.1915	-1.9585	-1.8425	0.0755	0.3415	-1.5035	-0.5115	-2.3825
0.435	0.14	2.057	0.657	0.521	0.694	0.358	0.918	0.817	0.421	0.991	1.201	0.593	0.801	0.961	2.792	1.359	1.153	0.664	2.299	1.365	2.078	1.298	-0.389	-1.178	-1.145	0.152	-0.859	0.227	-0.611
-0.293	-0.265	0.702	-0.062	0.09	-0.415	-0.012	-0.049	0.602	0.277	-0.548	-0.148	0.712	-0.187	0.307	0.236	0.65	-0.261	-0.055	0.162	0.898	-0.333	1.684	-0.28	-0.167	0.012	0.501	0.779	-0.11	-0.103
0.7245	-0.1235	0.9465	0.6255	1.7945	0.5655	0.0275	0.6655	0.7415	0.7695	1.5045	0.2955	1.3675	0.1415	0.9055	0.6285	1.3425	0.3435	0.6555	-0.1155	0.2635	0.8015	1.3405	-1.1165	-1.7335	0.3075	0.3055	-1.5155	-0.4185	-0.8355
-0.618	0.401	1.09	1.095	0.718	0.564	0.792	0.601	0.374	0.522	1.494	1.204	-0.516	0.374	0.874	1.054	0.444	0.545	-0.004	-0.536	-0.799	1.154	0.312	-1.469	-1.56	0.034	-0.548	-0.776	-0.505	-0.946
-0.5315	-0.7365	-0.4835	0.0835	0.7425	1.3955	0.4435	0.5205	-0.0065	0.0965	1.5035	0.6305	-0.2385	0.2965	0.7655	0.6025	0.9125	0.5855	0.5205	0.1515	0.2505	1.1055	0.5375	0.3825	0.4395	0.7505	0.2665	-0.2595	0.3545	-0.2695
3.8075	1.9375	4.9495	4.0105	1.9855	2.3055	-0.1645	0.8945	2.6525	-0.7945	3.7555	2.5405	2.3775	3.5415	1.3685	-1.0765	1.5205	1.9245	0.8755	2.8375	3.8445	-0.5055	0.5145	0.5475	1.4985	3.5785	0.0735	-0.5425	-0.9785	-0.4305
0.3245	-0.8125	0.4645	0.1875	-0.0645	0.5225	1.1145	-0.4285	0.0735	-0.4195	-0.0255	0.2175	0.4425	0.3365	0.0045	-0.4725	-0.0615	1.1055	0.4765	-0.1685	-0.2525	-2.3705	0.0735	-0.3705	0.0385	-0.0555	-0.1205	-0.4445	-0.0455	-0.3505
1.787	0.66	0.852	0.238	-0.34	-0.17	-0.637	0.067	-0.059	-0.097	0.313	-0.434	-1.052	-0.333	0.756	1.227	0.024	0.198	0.425	0.628	-0.548	0.022	0.624	0.668	0.398	-0.095	-0.852	-0.808	0.414	-0.811
0.8285	-0.3465	0.5365	-0.0595	1.2555	0.7795	1.0225	0.9655	0.2945	-0.4325	0.7415	0.5685	0.7655	0.9535	0.1985	1.3885	0.6225	2.3875	0.7715	0.7725	0.5485	0.6355	-0.1655	0.0875	-0.2705	0.1215	-0.5025	-0.2145	0.0895	-0.4765
-0.4755	0.5465	0.5125	0.3515	0.5555	0.3595	0.6405	0.2265	-0.5565	0.0225	0.6205	0.0485	0.2615	-0.6155	-0.3935	-0.3275	0.1835	0.0505	0.3265	0.7265	0.0765	0.1425	-0.8215	-0.7095	-0.7185	-0.2355	0.6025	-0.6955	-0.3515	-0.4815
-1.118	-0.637	-0.517	-0.701	-1.081	-0.66	-0.673	0.048	-0.379	-0.19	-0.298	-0.905	-0.155	-0.755	-0.559	0	-0.92	-0.916	-0.444	0.708	-0.579	1.213	-0.611	-0.111	0	0.572	-0.388	0.27	0.193	-0.452
-0.114	-0.356	0.622	-0.183	-0.252	-0.044	-0.624	0.272	-0.274	0.661	0.091	-0.243	-0.698	0.392	-0.708	1.872	1.104	-0.115	-0.01	0.697	1.275	-0.053	1.085	-0.075	0.274	0.058	0.596	-0.182	0.666	0.398
-0.467	-0.615	-0.801	0.024	-0.151	0.19	-0.134	-0.408	-0.212	0.015	-0.157	0.654	0.346	-0.696	-1.04	-0.509	-0.009	0.175	-0.189	0.228	-0.321	0.319	-1.331	-0.536	-0.28	-0.2	0.335	-0.298	-0.141	-0.328
0.073	-0.2	-0.402	-0.079	-0.399	-0.019	0.04	0.269	0.159	-0.053	-0.136	0.363	0.362	0.135	0.244	0.285	0.413	0.394	-0.056	0.094	0.555	-0.148	-0.257	0.115	-0.002	0.002	-0.208	1.015	0.245	0.046
-0.0535	0.7655	2.5245	0.8185	0.3655	0.2295	-0.3165	0.8255	1.1455	-0.1435	0.6695	0.2615	0.6175	-0.0175	1.5695	1.5245	0.4145	2.2985	0.6695	1.4525	0.6805	0.4585	2.0165	0.9155	0.8025	0.9215	0.6585	-0.3955	-0.0515	-0.7855
-0.298	0.189	-0.576	-0.093	-1.591	-0.375	0.938	0.254	-0.22	0.168	-0.731	0.738	0.312	0.28	0.719	-0.834	-0.615	0.357	-0.198	-0.537	-0.394	0.019	-0.081	-0.833	-0.541	-0.656	-0.008	-0.418	-0.221	-0.327
-0.027	-1.197	-0.044	0.256	1.44	-0.008	-0.203	-0.584	0.078	-0.203	-1.172	0.228	-0.432	0.412	-0.66	-0.963	-0.426	-0.591	-0.247	-0.39	-0.311	0.677	-0.613	-1	-1.342	-0.617	-0.591	-0.026	-0.909	-0.999
-1.136	-0.62	0.195	-0.663	-1.482	-0.77	-0.949	-0.416	0.29	0.25	0.355	-1.198	-1.109	-0.702	-1.332	-1.215	-1.455	-1.511	-0.791	-1.286	-1.56	-1.036	-0.325	-0.428	-0.243	-0.388	-0.6	-0.435	-0.551	-0.547
0.0385	0.1195	0.3295	0.7315	0.6585	1.0895	0.1255	1.1235	1.3855	0.9315	1.3355	1.0695	1.1945	0.5805	0.3455	1.5135	0.5935	1.4285	1.1725	0.5095	0.0855	0.4585	0.8765	-0.8615	-0.4525	-0.0655	0.0365	-1.3545	-0.0755	-0.8065
0.2305	0.7015	1.5405	0.0575	0.9155	-0.0875	0.2415	0.7315	-0.1385	0.5355	0.4655	1.8475	1.7825	-0.1605	-0.0325	1.2235	0.1075	0.7485	0.4815	1.5475	0.4435	-0.2115	0.2405	-0.8525	-0.0915	0.5635	0.0805	-0.6715	0.1225	-0.5485
1.2615	0.0445	2.0845	1.0585	0.0065	0.6795	-0.5745	0.7545	0.0205	-0.1505	1.2165	1.2615	0.2225	0.8015	2.2455	1.3195	0.9225	0.7785	0.0835	1.9685	0.9085	0.4045	0.0135	-0.6965	-0.8155	-0.3045	-0.1535	-0.3595	0.0565	-0.4795
0.4335	-0.7185	0.3225	1.2815	0.5885	1.6195	-0.5865	-0.7305	0.0105	-0.1945	0.3405	-0.0315	-0.7295	0.0425	-0.0605	1.6575	0.3535	0.5105	-0.7355	-1.1565	-0.5485	-0.0365	0.8315	-0.6265	-1.2355	0.6915	-0.5315	0.1515	0.0225	-0.6765
0.42	-0.206	-0.126	-0.54	-0.414	-0.163	-0.258	-0.029	0.232	0.006	-0.079	-0.009	0.227	0.366	0.124	0.447	-0.018	0.139	0.226	0.286	-0.249	-0.561	-0.672	-0.172	0.045	-0.099	-0.192	-0.325	0.005	-0.134
0.655	-0.817	-0.139	0.052	0.771	0.087	0.915	0.873	0.295	-0.07	-0.519	2.168	0.957	1.339	0.667	1.037	0.432	1.485	0.758	1.077	0.592	-0.066	-0.9	-0.538	-0.795	-0.201	0.014	-0.531	-0.452	-0.443
0.658	-1.275	-0.705	-0.267	-1.029	-0.358	0.173	-0.486	0.422	0.361	0.045	-0.779	-0.014	-0.533	0.052	0.567	0.214	-0.48	0.858	-0.066	0.622	0.352	0.194	-0.496	-0.701	0.165	0.371	-0.345	-0.393	-0.627
0.397	-0.885	-1.04	-0.707	-0.28	-0.151	-0.74	-0.692	-0.668	0.616	0.049	-0.573	-0.348	-0.063	-0.1	-0.273	-0.242	-0.142	-0.337	-0.414	0.171	0.114	0.47	0.524	-0.027	0.215	0	0.145	-0.114	0.088
-0.818	-0.059	-0.111	-0.387	-0.329	-0.041	-0.508	-0.417	0.25	-0.432	-1.225	-0.499	-0.89	0.275	0.527	-0.561	-1.071	-0.245	0.012	0.411	-0.313	-0.383	-0.57	-0.963	-0.269	0.012	0.241	-0.633	-0.912	-0.114
-0.1925	-0.6585	-0.2745	-0.1525	0.1135	-0.1125	0.4835	-0.2165	0.7375	-0.0395	0.1575	-0.2585	0.9155	0.1885	0.3485	0.0825	-0.0015	0.0035	-0.1455	0.8345	0.6045	0.0485	-0.1635	-0.0535	0.2745	0.1675	-0.0385	-0.6525	-0.0945	-0.6305
3.4705	2.9885	3.7605	3.8045	3.8865	5.8655	3.6845	3.0335	2.2635	3.2305	4.4735	3.9935	2.8025	3.4015	-0.0075	3.1995	1.6925	1.8945	3.4525	3.4635	3.9755	3.1965	2.6335	0.8395	2.4805	0.9125	3.6965	2.0145	3.7035	3.9095
0.232	-0.297	-0.309	0.034	-0.407	0.208	-0.377	-0.643	-0.283	-1.024	0.257	0.278	-0.304	-0.208	-0.342	-0.049	-0.052	0.403	-0.237	-0.271	0.088	0.669	0.266	-0.902	-1.178	-0.306	0.618	-0.355	-0.556	-0.485
0.0945	-1.8495	-2.3375	3.5765	-0.7255	-0.4455	-0.0575	-1.0725	1.0605	-1.3935	0.9255	-0.1605	-0.8975	2.8095	-1.1425	-1.1085	1.7475	-1.1435	0.1275	1.4295	1.1675	2.4195	-0.1745	0.2835	0.7055	1.4325	1.6595	0.7055	0.2105	-0.2265
-0.1695	0.2005	-0.4965	0.0915	-0.0185	0.1805	-0.2995	-0.0845	0.2575	0.5495	0.3915	-0.8175	-0.1795	0.2415	0.4885	0.7825	-0.1775	-0.1895	0.1255	0.5435	-0.3895	0.2445	0.2135	0.1855	0.6135	0.3985	0.8315	-0.5805	0.4675	0.4165
-0.882	0.722	-0.372	-0.013	-0.352	0.846	-0.181	0.923	0.284	1.116	-0.119	-0.382	-0.539	-0.451	0.17	-0.52	-0.522	0.481	0.01	0.265	-0.373	-0.226	1.101	0.834	0.92	1.235	1.147	0.818	1.721	1.215
-0.061	0.593	-0.352	-0.087	-0.513	0.283	-0.148	0.025	0.456	0.372	0.462	-1.503	-1.207	-0.9	-0.35	-0.384	-0.614	-0.264	-0.476	0.318	-0.411	0.026	0.755	-0.316	-0.09	-0.047	0.75	0.083	0.855	0.472
-1.041	-0.598	-0.39	-0.618	-1.573	0.059	-0.262	-0.167	-0.221	-0.242	-0.252	0.615	-0.99	-0.315	-0.742	-0.275	-0.674	-0.163	0.504	-0.302	-1.644	-1.133	-0.997	-0.137	0.479	-0.353	0.782	0.345	0.859	0.948

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
0.8815	1.6485	1.2545	0.7965	0.3775	0.6145	0.0395	-0.3005	0.3765	0.8025	0.5325	-0.8965	-0.2615	-0.3635	-0.0935	-0.0595	0.2175	-0.2655	0.1785	0.4195	-0.3355	0.6565	1.2085	-0.0995	0.0455	0.5315	1.1385	-0.5485	1.1025	0.8175
-0.721	-0.653	-0.096	0.176	-1.017	-0.094	-0.097	-0.265	0.142	0.381	-0.002	0.144	0.093	0.116	0.126	-0.18	-0.256	0.036	0.025	-0.119	-0.428	-0.158	0.071	-0.404	-0.177	0.056	0.201	0.094	-0.002	0.099
-1.178	-0.489	-0.729	-0.556	-0.841	-0.411	-0.353	-0.08	0.593	0.174	-0.456	-0.695	-0.018	-0.167	0.883	0.76	-0.195	0.111	-0.155	0.573	-0.598	-0.474	-0.36	0.166	0.253	0.458	0.21	-0.081	0.334	-0.124
-1.0875	-0.5585	-0.6955	-0.3585	-0.8295	-0.3125	-0.4565	-0.2015	-0.0775	0.3025	-0.5255	-0.7795	0.0015	-0.1905	0.3865	0.7575	-0.2215	-0.0245	-0.1375	0.1705	-0.6195	-0.4185	-0.4195	0.2965	0.3435	0.3045	0.2245	-0.4895	0.1185	-0.0985
-0.195	0.205	-0.179	0.414	-0.253	0.557	0.032	-0.008	1.016	0.627	-0.099	-0.743	-0.28	0.538	0.075	0.748	-0.242	0.055	0.03	1.301	-0.297	-0.307	0.059	0.686	1.102	0.588	0.923	-0.554	0.389	0.333
-0.3485	-0.2755	-0.2305	-0.3955	0.7425	-0.4175	-0.0705	-0.6845	-0.5265	0.1125	-0.8015	-0.3725	-0.9685	-0.1895	-0.7555	0.3155	-0.1165	-0.5345	-0.0655	0.4545	-0.3775	0.7425	0.4575	0.0045	-0.0265	0.3335	1.1155	-0.0155	0.9895	0.6435
-0.1545	0.2555	-0.0615	0.0655	0.8865	0.3365	-0.3795	-0.3195	0.2005	1.1595	0.3535	-0.9365	-0.7595	-0.6405	-0.1485	0.5555	-0.3555	-0.1345	-0.0075	1.0945	-0.4345	-0.4475	0.0385	-0.3455	-0.5155	0.6185	0.7735	0.1285	0.8685	0.5935
0.1115	-0.5605	-0.1615	-0.0785	0.0685	0.4965	-0.1065	-0.3495	0.1375	0.1875	-0.5515	-0.9455	-0.3975	-0.5445	-0.1845	-0.0005	-0.5455	0.0965	-0.0985	0.5645	-0.4455	0.0365	0.1085	-0.2825	0.0485	-0.0015	0.0595	0.1235	0.0595	-0.0065
0.0275	0.1525	0.0935	0.1855	0.9105	0.5475	0.1055	0.7655	-0.1245	0.2295	0.3645	-0.7885	-0.0795	-0.5415	0.1185	0.4085	-0.0605	0.3665	-0.1225	0.6085	0.2315	-0.2255	0.6325	-0.0535	0.0745	0.2545	0.3775	-0.4505	0.6185	0.4095
-1.0055	-0.3665	-0.4195	-0.6045	0.0385	-2.4695	-0.3525	-0.2935	-0.3405	0.0895	-1.6265	-0.1365	0.0035	-0.1665	-0.0695	-2.6105	-0.4755	-0.5005	0.6045	-1.3835	-1.0465	-0.2545	-0.3575	1.4065	0.4545	-0.0135	1.1105	1.4605	1.1435	0.8635
0.7465	-0.0025	-0.4845	-0.1285	0.3105	-0.0115	-0.0665	-0.1995	-0.3185	0.1475	0.1355	0.2605	-0.1415	0.8005	0.7945	0.2695	0.3895	1.0605	0.9635	0.1815	0.0515	0.4655	-1.0705	0.4885	0.7385	-0.0335	0.5795	0.0205	0.0375	0.3485
0.2465	-1.4005	0.2865	1.1125	2.7525	0.8485	1.0635	0.5575	0.1615	-0.3425	0.5365	3.5605	1.7025	1.8735	-0.6355	0.1285	-0.0265	1.0125	0.8895	0.6885	2.3405	1.3195	-0.1755	0.6025	-0.4365	1.3495	0.2075	-0.4235	0.2495	0.8965
0.822	0.093	0.94	-0.102	0.457	0.845	0.158	0.158	0.717	0.605	1.086	0.403	-0.498	0.738	-0.178	1.564	0.389	0.448	1.163	0.008	0.052	0.348	0.837	-0.769	-0.742	-0.151	-0.15	-1.1	-0.193	-0.874
-0.291	-1.517	0.505	0.163	0.778	0.821	0.662	0.154	-0.013	0.259	0.258	-0.122	0.685	0.736	0.751	0.023	2.332	0.636	1.046	-0.074	0.731	0.615	0.4	-1.005	-1.765	0.244	0.06	-1.481	-1.133	-1.675
-0.563	0.203	-0.287	-0.114	0.286	0	0.234	0.469	-0.131	0.051	0.106	0.352	0.266	0.101	-0.024	0.336	-0.858	0.168	-0.173	0.123	-0.379	0.245	-0.172	-0.183	-0.274	-0.668	-0.121	-0.453	0.327	0.227
1.802	-1.282	0.677	1.421	-2.672	0.364	0.351	1.076	2.707	0.849	0.673	3.095	1.808	0.786	-0.44	0.252	-1.15	0.028	0.52	-0.23	0.563	-1.424	-0.373	1.181	1.764	0.922	-0.071	0.691	-0.207	0.907
0.7515	0.2345	0.5905	0.7135	1.9625	1.4705	0.9835	1.0675	0.8155	1.2135	0.2915	1.4725	1.3455	0.9325	0.4515	1.0545	1.0645	0.7275	0.3105	1.6535	0.6805	0.4665	-0.5745	0.3555	0.3655	-0.2025	0.4685	-0.7515	-0.1735	-0.0765
-0.1975	-0.4185	0.5475	1.5275	0.6355	0.8585	1.8175	0.2695	1.0615	0.7035	1.1485	1.2255	1.6505	1.0385	-0.5935	0.4345	0.7795	0.3835	0.7025	1.4025	0.7835	2.8045	-0.0235	-0.5555	-0.4305	-0.5585	0.8005	-0.6585	-0.0885	-0.0885
1.809	-0.689	0.651	0.203	0.391	-0.247	0.333	0.474	0.477	-0.26	-0.393	1.023	0.856	0.707	-0.01	0.399	0.44	0.356	0.893	0.648	0.574	-0.325	-0.602	-0.051	-0.605	0.427	-0.856	-0.452	-1.196	-0.754
-0.004	-0.117	1.984	-1.517	-2.65	-0.825	-3.768	-2.716	-1.731	-1.605	-1.782	-1.168	-0.059	0.937	0.225	1.535	-1.679	1.006	-0.197	-1.089	-0.322	-3.934	-0.408	-1.879	-2.689	-0.211	-1.088	-2.583	-1.31	-2.217
2.191	0.129	1.172	-0.899	-2.192	-0.979	-1.594	-0.826	0.679	-0.501	-1.013	-1.661	0.273	0.629	-2.031	1.446	-1.376	1.235	1.05	-0.916	-1.339	-2.359	-0.32	-0.421	-1.108	-0.808	0.046	-0.501	-1.416	-1.092
2.5245	-0.4685	1.4275	3.2795	0.8795	0.2435	0.7275	3.0725	-0.4085	-1.5025	-0.3815	3.2125	2.9975	4.3835	-0.0845	-0.6545	0.4205	1.4585	2.8655	3.3345	2.6665	-0.0155	-0.1645	1.8965	-0.9255	1.9785	1.0085	-0.2635	-1.1025	0.0785
0.0195	-0.5955	-0.4885	0.2055	-0.2985	1.5535	0.1805	-0.1245	0.1975	-0.1895	0.4455	-0.4965	-0.0075	-0.6405	0.0885	-0.4195	0.3545	0.5405	0.3845	0.3015	-0.1115	0.1125	0.4385	-0.0725	-0.1585	-0.2325	-0.2785	-0.4895	-0.0865	-0.2935
-1.285	-1.469	-0.499	-1.96	-1.504	0.016	-0.409	-0.417	-0.162	-0.399	-0.175	-0.509	-0.783	-1.282	-0.321	-1.378	-0.533	-1.42	-0.104	-0.498	-0.714	-0.785	-0.528	-0.155	0.772	0.87	0.66	0.503	0.777	0.109
0.5045	-0.4285	-0.0015	0.4955	1.0035	0.9795	0.4455	-0.3015	0.4435	0.1935	0.0145	-0.6095	0.2655	0.8365	0.0135	0.5505	-0.2505	0.1895	-0.2615	0.8145	0.4685	0.1945	-0.0085	-0.1445	-1.2945	-0.2935	0.2705	0.4025	-0.7435	-0.8595
-0.223	-0.933	-0.447	0.409	0.08	-0.358	-0.47	-0.684	-0.359	-0.451	-1.583	0.137	-0.039	0.496	-0.153	-0.072	-0.054	-0.047	-0.053	0.264	-0.408	0.051	-0.679	-0.491	-1.143	-0.819	0.219	-0.106	-0.895	-0.58
-0.7065	-0.3455	-0.8605	-0.7705	-0.6305	-0.1755	-0.2825	-0.1385	-0.1855	0.0195	-0.7355	-0.3605	-0.4775	-0.7815	-0.2715	-0.9045	-0.3765	-0.3525	-0.2985	-0.2745	-0.2025	-0.5405	-0.5235	0.7925	0.7215	0.3955	0.0585	0.3665	-0.0015	-0.1005
0.906	-0.537	0.117	-0.191	0.808	0.863	0.609	-0.165	-0.324	-0.226	0.994	0.147	-0.201	-0.041	-0.356	-0.608	0.778	-0.947	-0.57	0.404	0.436	-0.312	-0.807	0.102	-0.533	0.229	-0.7	-0.33	-0.251	-0.18
0.286	-1.486	-0.834	0.322	0.661	0.424	-0.859	-0.44	0.094	-0.672	0.029	-0.735	-0.419	1.301	-0.658	-0.883	-0.941	-0.74	0.448	-0.353	-0.028	1.382	0.957	0.558	0.487	0.016	-0.133	0.428	0.08	-0.053
0.6375	-0.7565	0.1545	0.1685	0.8835	0.0715	-0.1355	0.1605	0.2275	-0.2165	0.4925	0.1425	-0.1535	0.5865	1.6095	0.2095	0.8965	0.5715	0.4595	0.9595	2.1365	1.1285	0.5285	0.6105	0.3005	0.7015	0.3575	-0.2775	0.1355	0.0225
0.896	0.622	0.943	0.358	1.317	0.543	0.577	-0.509	0.135	0.119	-0.199	0.701	0.226	0.088	0.454	-0.274	-0.366	0.533	-0.123	0.498	0.198	0.284	-0.511	-0.026	-0.29	0.279	-0.48	-0.04	-0.148	-0.705
0.1445	-0.6355	-0.4855	-0.0385	0.8325	-0.4365	0.7415	0.0155	0.4315	0.7245	-0.2565	1.0145	1.8535	-0.0805	-0.4475	-0.9755	0.6275	-1.1305	0.5065	0.2035	0.3425	-1.8175	-0.1385	-0.5905	-0.9335	-0.2245	-0.7545	-1.7395	-1.7685	-1.6915
0.052	-0.97	-0.791	-0.126	-0.134	0.055	0.407	0.34	-2.067	-0.301	-0.085	0.254	-0.561	0.519	0.312	-0.45	-0.066	0.381	0.615	-1.105	-0.597	-0.057	-0.069	1.616	0.797	1.074	0.925	0.446	0.347	0.007
-0.179	0.421	-0.793	-0.288	0.061	0.654	0.736	0.734	0.138	-0.01	0.627	0.89	0.06	0.693	0.493	0.383	0.184	-0.003	-0.083	0.41	1.061	0.095	0.255	-0.786	-0.243	-0.398	-1.087	-0.625	0.009	0.191
0.6695	0.6805	0.8935	0.2615	-0.1395	0.3145	0.3515	0.2915	0.3045	0.2165	0.1085	0.3785	0.2705	0.2765	0.0125	-0.1895	-0.0715	0.3285	0.4975	0.1835	0.3315	-0.1745	0.0425	-0.8255	-1.4215	-0.5425	0.4255	-0.3285	-0.9255	-0.8245
0.3095	-0.8315	-0.6335	-0.0095	0.3475	0.2595	0.5055	0.2525	-0.0395	-0.1285	0.2005	0.2735	0.9685	0.4755	0.1545	0.1885	1.4975	-0.0665	0.1225	1.1185	0.2465	0.2745	0.1835	-0.1195	0.1175	0.3205	-0.2875	0.7305	-0.1665	-0.2665
0.037	-0.691	-0.98	-0.452	-0.11	0.257	0.493	-0.176	-0.645	-0.298	-0.294	-0.428	-0.364	-0.327	0.199	0.316	-0.154	0.462	0.379	0.458	0.603	0.58	-0.781	-0.416	-0.113	-0.227	-0.001	-0.084	0.173	-0.634
1.0805	-1.0715	-1.7825	-1.7475	-0.8455	-1.6535	-0.4085	-1.0905	0.3045	-0.7915	-1.2785	-1.8675	-0.6755	0.7615	-1.5785	-2.0955	-1.4585	-1.9405	-0.9855	-1.3315	0.5965	-1.8955	-0.5185	0.6745	1.0045	1.2455	-0.0715	0.8695	0.5725	0.1325
-1.107	-1.089	-2.612	-0.575	-3.165	-0.774	-1.159	-1.734	0.172	-0.529	-2.867	-2.37	-2.698	-2.27	-2.337	-1.957	-1.915	-0.918	-0.173	-1.618	-1.005	-0.94	-1.777	0.28	0.546	-1.394	-1.166	-1.275	0.264	0.073
0.5595	-0.9285	-0.8075	-0.1855	-0.7355	1.0275	-0.2935	-0.2575	-0.1095	-0.1835	-0.7775	-0.6915	-0.4915	-1.0565	-0.9005	-1.0385	-0.8635	-0.4135	-0.4895	0.4925	-0.2915	-0.5335	-0.5035	-0.0135	-0.3305	0.2385	-0.3585	0.3725	-0.5725	0.0425
0.0285	0.3935	1.0535	0.2215	-0.8075	-0.3475	0.2775	-0.3295	0.4525	0.3815	-0.2445	-0.0905	0.1205	-0.3055	0.6575	1.0555	-0.0715	0.0335	-0.1905	0.4315	-0.0435	0.4705	-0.3315	-0.3605	-0.4105	-0.8125	0.0435	-1.1665	-0.9945	-0.8255
-1.953	0.969	-1.085	-1.234	-0.79	-1.392	-1.769	-1.819	-0.385	-1.022	-2.239	0.376	-0.08	2.405	-1.541	-1.596	-2.022	-1.7	-0.894	-1.149	-1.007	-1.527	-0.607	0.08	-0.804	0.156	2.005	-0.261	0.832	0.277
2.8585	1.0065	2.6195	3.0375	-0.8485	0.1705	0.2045	2.2235	0.5175	0.6225	0.9755	1.1535	2.2875	2.3605	0.3805	3.1545	0.3675	1.0375	2.6075	-0.6385	0.3755	0.4595	0.5045	0.2625	0.2975	0.0855	0.5195	0.5845	1.2615	0.4325
1.624	1.511	1.007	2.734	2.57	2.588	3.231	2.729	2.184	1.71	3.527	1.686	1.743	0.733	1.933	1.101	1.92	1.507	2.798	1.764	3.141	2.934	1.947	1.802	2.539	1.608	3.757	1.481	3.447	4.054
-1.258	-0.611	-0.039	-1.376	-0.309	-0.317	-0.554	-0.838	0.737	0.353	-0.119	-0.402	-0.155	0.278	-0.517	-0.772	0.677	-0.88	-0.554	1.458	0.195	0.697	0.107	0.2	-0.37	-0.222	0.067	0.788	0.341	-0.171
-0.773	-0.007	-1.259	-0.474	0.756	-0.566	-0.073	0.308	1.049	0.232	-0.875	-0.484	0.45	-0.747	-0.452	0.236	-0.017	-1.404	0.144	0.495	-0.649	-0.564	-1.454	0.038	-0.064	-0.602	0.759	0.804	-0.614	-0.044
0.2505	1.2625	0.2055	0.8285	0.0265	0.5675	1.3405	1.3435	0.9405	1.0455	0.5045	1.8585	0.9745	0.7415	-0.9605	-1.9355	2.0595	-0.6025	0.4425	1.3365	1.4765	1.7705	-0.8775	1.2305	2.2215	0.1655	1.1475	-0.3415	0.7765	1.0225
-0.5715	-0.2935	-1.5365	-1.3095	-0.4575	-0.6575	-0.1025	-0.5995	-0.6765	-0.2085	-1.1355	-0.2175	-0.3875	0.0345	0.0605	0.5125	-0.0845	1.1935	-0.1205	0.1185	-0.6855	-0.5445	-1.1625	-0.4425	0.0155	-0.0155	-1.3805	-1.4215	-0.4305	-0.5115
0.584	0.659	0.682	0.545	0.722	0.744	1.204	0.423	0.188	0.493	0.171	0.223	0.529	0.355	0.668	0.656	0.881	0.543	0.027	0.253	0.142	1.083	0.162	-0.679	-0.596	-0.412	-0.548	0.388	-0.367	-0.656
0.323	-1.719	-1.479	-1.834	-1.552	-0.589	-0.027	-0.334	-1.019	-0.431	-1.067	0.985	0.022	-0.67	-1.716	-2.273	-1.072	-2.096	-0.109	-0.683	0.531	-1.032	-0.364	-0.501	-1.101	0.05	0.167	0.004	0.097	-0.316
-0.1645	0.1355	-0.0085	0.0505	0.4535	-0.1015	-0.4935	-0.2625	0.5865	0.6395	0.2765	-0.6795	0.6545	-0.2555	0.0115	0.4735	1.8595	-0.1305	0.0025	0.4885	-0.1285	-0.4035	0.3655	0.2495	-0.2125	0.7325	0.2405	1.1985	0.2515	-0.1695
-0.79	0.436	0.687	1.089	-0.624	0.013	-0.892	-0.181	1.084	0.117	0.958	-0.359	0.412	-0.381	0.886	-0.271	1.001	2.048	1.448	2.941	0.378	1.014	1.672	-1.246	0.264	0.669	-0.075	-0.032	-0.575	0.029
-0.06	0.842	0.409	-0.289	0.267	0.727	-0.579	-0.715	0.399	0.075	0.163	-1.537	-0.308	-0.778	-0.663	-0.128	-0.54	-0.867	-0.09	-0.161	-0.458	0.012	0.153	0.5	0.459	0.733	0.678	0.178	0.651	0.425
-0.9575	-0.4245	-0.8735	-0.2865	-0.8695	-0.0595	-0.1255	-0.1635	-0.4985	-0.3415	-1.0405	0.2525	-0.2235	-0.5315	-0.4395	-0.1355	-0.6395	0.2825	-0.5415	-0.1535	-0.6055	-0.4425	-1.4625	0.2525	0.1885	0.2115	0.0865	-0.4305	-0.2585	-0.1395
0.0545	0.4555	-0.1495	0.3435	0.6395	-0.0675	0.6765	-0.1605	0.4375	0.3095	0.3555	-0.4655	0.0595	-0.1925	0.0435	0.0705	0.3635	-0.3435	-0.2045	-0.4505	-0.0755	-0.1115	0.4245	0.6005	0.5465	0.7015	-0.3495	0.2765	0.2395	-0.0185
0.4005	1.7185	-0.5425	0.6665	1.4245	0.0665	0.9555	1.0795	0.6635	0.1475	1.0035	3.4405	1.5305	1.5895	2.6915	1.1605	0.8275	1.4905	-0.2485	0.5975	0.5285	0.7605	0.8185	-0.4015	0.1115	-0.3965	-0.0385	-0.0065	0.2875	-0.1245
-1.755	-1.467	-0.724	-1.173	-2.312	-1.581	-0.931	-0.668	-1	-1.108	-1.457	-0.605	-0.783	-0.558	-1.361	-2.084	-1.117	-1.05	-1.153	-0.899	-0.725	-1.127	-0.598	0.022	-0.307	0.858	-2.049	-0.517	-0.342	-1.669
-1.7705	-1.0515	-0.6525	-0.1315	-0.0965	-0.9605	-0.0065	-0.5155	-1.3025	0.0955	-0.7095	0.2845	-0.2405	0.5295	-0.6775	-0.1275	-1.9375	-1.7995	-0.9345	-1.0555	-1.7745	-0.9825	-0.7465	1.5875	-0.9235	-0.4415	-0.8365	-1.0155	-1.0395	-1.5665
1.238	-0.178	-1.765	-1.12	-1.546	-1.09	-0.004	-0.471	0.004	-0.934	-1.166	-0.23	-0.89	-1.259	-2.773	-1.278	0.132	0.71	-0.297	-0.755	-1.588	-0.368	-1.29	-0.843	-1.691	-0.08	0.414	-0.674	-0.502	-0.453
-1.4375	1.1305	0.3375	0.7005	-0.3935	-1.5305	-1.4645	-1.9265	-1.1525	-0.7095	0.5345	-1.5045	-0.7735	0.0395	-1.2875	-1.8025	-0.7865	-0.7515	-0.6595	-1.0125	-1.8095	0.2675	0.5785	-0.9075	-1.0385	-0.1625	-0.8075	-0.2735	-0.6135	-0.9215
0.4755	-0.8645	-0.9685	0.4225	-0.9175	-0.4325	0.9625	0.3465	0.6115	0.0375	-0.7065	2.4335	0.3625	1.4625	-0.0335	1.2615	0.0335	-0.1655	-0.1275	0.6005	0.3595	0.6825	-0.0885	-0.4085	-0.6165	-0.4735	0.0625	-0.6985	-0.7415	0.2655
0.1945	0.1645	0.2285	0.2985	-0.1255	0.3345	-0.9515	-1.0445	-0.8985	-0.3865	-0.4175	-1.0585	-1.0555	0.0815	0.1375	-0.9345	-1.0435	-0.6175	-0.8335	-0.9875	-0.6945	-0.3305	-0.2085	-0.3425	0.0915	0.1115	-0.2215	-0.3185	0.4035	0.1095
-0.663	-0.161	-1.438	-0.421	-3.798	-0.272	0.415	-0.001	-0.644	-0.629	0.838	0.811	-0.283	0.098	0.118	-0.357	-0.162	-0.653	-0.303	-0.377	0.113	-0.903	-1.247	0.352	0.199	-0.403	0.354	-0.146	0.001	-0.126
0.67	-0.483	-0.158	0.287	0.458	1.059	0.828	-0.381	0.468	-0.178	0.135	0.852	-0.142	1.416	0.448	0.686	0.758	0.966	0.954	0.139	-0.35	0.811	0.284	-0.42	-0.69	-0.314	0.582	-0.658	0.094	-0.298
0.523	-1.183	-0.63	-0.996	-0.411	-1.281	-0.849	-0.826	-0.851	-1.014	-0.897	-1.224	-0.806	-1.548	-1.268	-1.054	-0.961	-0.661	-1.181	-0.686	-1.112	-1.013	0.598	-0.062	-0.469	0.483	-0.382	-1.24	-0.606	-1.209
1.1085	0.9775	0.2205	1.0625	0.6565	1.4795	0.1305	-0.6455	0.3945	0.4925	0.5915	-1.6975	-1.0055	-0.4505	0.1415	-0.6605	-0.7215	0.5005	0.3325	-0.2925	-1.2775	-0.6825	0.3375	-0.2425	-0.4745	0.1945	1.2025	-0.3995	0.3145	-0.1405
-0.427	-0.532	-0.2	-0.506	-0.323	-0.494	-0.138	-0.004	-0.394	0.056	-0.525	0.262	-0.184	-0.14	-0.513	0.023	-0.38	0.147	-0.096	-0.955	-0.37	-0.171	0.154	-0.184	-0.356	-0.062	0.296	0.211	0.149	-0.053
1.677	1.269	0.724	-0.143	1.208	1.847	1.415	-0.476	-0.84	-0.267	-0.172	1.003	-0.643	-0.01	-0.477	0.802	-1.296	0.927	-0.72	1.303	0.133	1.92	0.355	-0.389	-0.597	-0.02	-0.034	0.76	-0.261	-0.291
-0.7215	-0.7315	-1.4665	-1.3085	-1.9125	-1.3195	-1.7825	-1.0305	-1.6025	-1.0755	-2.2335	-2.1605	-1.3085	0.3965	-0.3745	-0.5265	-2.1635	-1.8725	-1.6145	-0.4225	-2.2095	-2.6475	-2.8385	-0.2485	-2.1045	-2.0925	-2.0215	-1.3725	-0.0735	-2.1235
-0.605	-2.74	-1.056	0.135	-3.117	0.103	-1.241	-2	-0.931	-2.032	-1.4	-1.394	-2.083	-2.254	-1.606	-2.588	-1.165	-0.587	-0.908	0.125	-1.822	-0.81	-0.786	-0.805	0.102	1.473	-0.507	-0.687	-0.918	0.053
0.0595	-0.7675	0.0645	-0.7775	0.1525	0.4095	-0.4055	0.3345	0.5105	1.1355	0.6645	0.6505	-0.0155	0.6565	0.6435	0.7085	-0.4005	0.1345	0.3335	-0.0335	-0.3575	0.2535	0.3955	0.6605	0.5505	0.5305	0.4715	0.5725	0.2945	0.2855
-0.4425	0.2455	1.0055	1.0905	0.5335	-0.2965	-0.6475	-0.0885	-0.0165	-0.9505	1.1045	1.2175	0.5775	0.5075	1.4945	1.1785	0.0965	1.4375	-0.4845	0.0145	0.1795	-1.1045	0.7285	-0.4355	0.4035	0.4035	1.0425	-0.3165	1.1905	0.3285
-0.613	-0.4	-0.702	-0.55	0.419	-0.331	0.152	-0.045	-0.121	-0.149	-0.839	0.058	0.155	-0.091	0.111	-0.146	0.04	-0.168	-0.067	-0.694	-0.677	-0.265	-0.873	-0.428	-0.343	-0.016	-0.265	0.844	0.34	0.194
0.6385	-1.8525	-1.2515	-1.3595	-0.5345	-0.2835	-1.7685	-1.2155	-2.5325	-1.2465	-1.1785	-1.5475	-1.8225	0.0365	-2.5475	-1.6045	-1.2135	-1.3005	-1.3665	-1.4775	-0.3955	-1.2155	-0.9245	-1.1765	-1.5385	-0.5845	-0.6905	-1.8985	-0.5125	-1.0495

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-7055 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00088 BASAL	BC00094T BASAL	BR02-7035 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-7032 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026' BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-3.1395	2.5915	-3.1925	-1.9605	-2.0685	0.5925	1.6115	-0.1825	1.2645	3.2735	0.8745	-4.0355	-3.5015	-3.0775	-1.6685	-1.9155	-1.2635	-3.7405	-1.4425	-2.5165	0.5565	1.8075	-1.5295	-0.2045	-1.0505	1.4225	-2.7685	-0.3095	0.2105	0.4255
-1.8645	-0.4715	-1.6895	-0.0975	-0.3445	-0.8365	-0.0685	-0.9205	-1.1205	0.5315	-0.1985	-0.8195	-2.0855	-1.5495	-1.2765	-0.8445	-0.5055	-0.7275	-1.0535	-0.7565	-0.8725	-0.9485	0.6455	-1.3985	-0.5255	-1.1085	-0.7965	0.1105	-0.3505	-0.7175
0.82	-0.607	-0.433	0.028	0.447	-0.105	0.234	0.851	0.268	0.565	-0.579	-0.229	1.376	1.835	-0.073	1.157	-0.228	1.145	0.33	0.252	0.29	-0.354	-0.498	-0.133	-0.034	-0.138	-0.011	-0.672	-0.283	-0.316
-0.133	1.287	-0.038	0.951	-1.463	0.277	1.569	1.058	0.908	1.189	1.526	1.148	1.241	0.477	1.262	-0.67	0.845	0.447	0.257	-0.084	-0.158	0.746	1.308	-0.116	0.336	0.559	0.834	0.29	0.833	0.612
0.81	-0.74	0.024	-0.157	0.767	0.744	-0.339	0.019	0.061	-0.154	-0.087	0.802	0.767	1.94	0.06	0.854	0.874	1.305	1.121	0.365	-0.072	0.301	0.051	-0.137	-0.295	-0.515	0.4	-1.055	-0.262	-0.052
-0.289	-0.333	-0.94	0.391	-0.565	-0.283	-0.084	-0.071	0.163	-0.258	-0.749	-0.007	0.503	0.012	0.137	-0.585	0.114	-0.111	0.004	-0.377	-0.577	-0.119	-0.285	0.591	0.316	0.388	0.223	1.021	0.189	0.335
0.485	-0.392	-0.299	0.022	-0.146	0.588	0.504	-0.335	0.346	-0.235	0.249	0.273	0.817	-0.036	-0.343	0.834	-0.168	-0.039	0.097	0.7	0.16	0.325	-0.266	-0.382	-0.218	-0.4	-0.062	0.282	-0.069	-0.202
0.396	0.831	0.365	0.304	0.649	0.663	-0.147	0.689	0.621	-0.142	0.929	0.243	0.201	0.441	0.77	0.959	0.66	0.245	0.144	0.754	-0.062	0.078	0.169	0.301	0.148	0.58	-0.096	-0.216	0.269	-0.368
-1.0295	-1.1425	0.5765	0.3685	0.6975	0.8635	0.2815	0.2685	0.4085	-0.6675	0.2595	0.7155	0.2385	-0.2995	-0.2115	0.4115	0.1425	0.3865	0.1245	0.2975	-0.1065	0.2995	-0.6815	-0.2255	-0.3455	0.0035	-0.1815	-0.6315	-0.1025	-0.2875
1.088	0.571	0.992	1.293	0.781	0.072	-0.164	-0.197	0.037	-0.39	0.592	0.183	-0.03	0.502	0.287	0.737	1.07	0.418	0.463	1.491	1.021	1.389	0	-0.753	-0.965	-0.502	-0.185	0.016	-0.704	-0.952
1.2765	0.1375	0.3025	-1.0575	0.7035	-0.9975	-1.3005	1.0935	0.7315	0.8345	0.4215	0.9715	0.2105	0.2805	1.1645	1.3165	-1.0625	0.3825	0.9595	0.8625	0.2475	-0.4195	0.0605	-0.3375	-0.0755	-0.2205	0.5175	-0.6615	-0.6805	-0.2335
2.0025	1.0285	1.3495	2.0445	1.9615	0.3625	1.5015	3.1265	1.2835	-0.7555	1.5255	1.1895	2.7335	3.8375	1.0475	1.2515	1.9935	2.0215	2.1575	3.4195	2.1555	2.0475	0.6005	1.5985	-0.0885	1.7395	0.8355	0.7665	-0.5835	-0.2105
-0.0945	-0.0245	0.3215	0.5425	0.0015	-0.6165	-0.3075	-0.1985	0.1775	0.6125	-0.2875	-0.3555	-0.8515	-0.9925	0.0435	0.6415	-0.1445	-0.4175	0.0325	0.1085	-0.3385	0.2185	2.3165	0.1145	-0.1435	0.2075	-0.0075	0.3095	0.2565	0.0715
0.0025	0.9515	-0.6575	1.0365	0.1775	0.3735	0.2075	-0.0075	1.6005	1.0565	1.8635	0.8535	-0.3685	0.3055	1.1175	0.0625	0.1285	-0.8585	0.3805	-0.0515	-0.0565	0.5425	2.0355	-1.2335	-0.4805	0.0665	-0.4495	0.4245	0.4845	-0.9775
2.494	-0.172	0.505	0.449	0.996	-0.108	0.754	0.955	-0.102	1.804	-0.444	1.02	-0.064	1.094	1.289	0.35	0.655	0.769	1.406	-1.269	1.035	1.831	1.056	0.047	0.526	0.338	0.508	-0.251	0.792	0.088
-0.9715	1.1365	-0.0885	-1.0505	-0.3245	0.4055	-0.5025	0.6085	0.3585	0.0155	0.3875	0.9845	-1.3505	0.3405	0.9315	0.1545	-0.6915	-0.0885	0.3225	0.4135	0.4485	0.1745	-0.5725	0.1465	0.7945	0.2635	-0.0105	-0.3275	0.2785	0.4895
0.214	-0.7	0.21	-0.09	0.462	-0.292	-0.207	0.058	0.233	0.05	0.177	-0.248	0.459	0.545	0.813	0.444	0.922	1	0.163	-0.282	0.335	1.305	0.332	-1.094	-1.552	0.337	-0.831	-2.129	-0.584	-1.287
-0.5355	0.5445	-0.6685	0.4005	-0.4215	0.6515	0.2675	0.2715	0.2645	-0.1085	0.1375	0.8405	0.6135	0.3105	-0.0325	-0.5145	0.5805	0.5225	-0.1885	0.8485	-0.1025	-0.2485	-1.7945	-0.5565	-0.1515	-0.5135	0.7165	-1.3285	0.1265	0.3395
-0.1915	-1.4075	0.0105	-0.9425	-1.0875	0.0245	-0.3235	0.1605	-0.5825	-0.3785	0.1525	-0.8125	-0.9785	0.7595	-0.2505	-0.1385	-0.8415	0.0335	-0.0265	-0.6855	0.3955	-0.8635	-0.3705	-1.0165	-1.2045	-0.8725	-0.2895	-0.3215	0.4045	-0.0985
0.761	0.285	-1.158	-0.226	0.267	0.731	0.421	-1.044	0.306	0.394	1.099	-0.61	-0.714	0.282	-0.045	-0.032	-0.051	-0.165	0.008	0.561	0.088	-0.931	-0.364	0.003	0.432	0.155	0.184	0.32	0.807	0.526
0.627	-0.393	-0.333	0.013	0.205	0.081	-0.213	-0.16	-0.229	1.316	0.52	0.406	0.102	0.287	0.072	0.276	-0.081	-0.396	-0.017	0.33	0.315	-0.088	0.266	-0.337	-0.48	-0.485	-0.214	-1.159	-0.638	-0.484
-0.325	1.435	1.685	1.395	1.515	3.01	2.625	1.145	0.08	0.485	-0.115	1.635	1.046	-0.644	1.139	1.289	-0.365	0.675	0.375	0.641	-0.195	-0.064	-1.135	-1.985	-1.985	-1.855	-0.207	-3.187	-2.495	-2.426
-1.599	-0.353	-0.374	0.19	-1.433	-0.728	-0.528	0.108	-0.867	-1.903	-0.761	2.022	-0.15	-0.241	-0.342	-1.282	-0.057	0.443	0.7	0.668	-0.142	-1.224	-0.996	-0.53	-0.58	0	-0.104	-0.605	-0.497	-0.885
-1.321	0.559	-0.012	-0.053	0.432	-0.988	-1.081	-0.71	-2.012	-1.054	-0.451	-3.311	-1.58	1.405	-1.744	-2.396	-1.062	-0.175	-0.008	-1.159	0.879	-1.625	-2	-1.037	-0.783	-0.387	-0.484	-0.297	-0.45	-0.532
0.3685	0.9415	0.2765	0.1465	-1.4385	0.3775	-0.4285	-0.3725	0.6695	-0.1135	-0.1015	0.5045	0.1365	1.1595	1.6395	0.7715	0.5465	-0.3205	-0.1745	0.0095	-0.7395	-1.1555	-0.0065	-0.1845	0.2885	-0.8075	-0.0755	0.7455	-0.3555	0.2885
0.5925	0.3115	0.6185	0.2795	0.5445	0.4835	1.0285	1.9525	1.3405	0.7015	1.5565	1.7415	1.0295	2.1105	1.8735	2.0295	1.2325	1.3395	1.3645	0.4175	0.4845	-0.1565	1.4505	-0.4085	-0.1635	-0.2375	-0.9715	-0.5885	-0.0615	-0.9295
0.9165	0.8855	-0.2065	0.7095	-0.0985	0.0595	0.0485	0.1775	0.5285	-0.1205	1.0755	0.6485	-0.5445	1.9885	0.4585	-0.7085	-0.1655	-0.6875	-0.0645	0.5685	0.3535	-0.0815	-0.2095	-0.0005	0.4215	-0.2675	-1.2965	-1.1025	-0.4295	-0.0345
0.1305	-0.0815	-0.9755	-0.7315	0.3965	-0.2815	-0.3745	-0.3545	-0.1175	0.0395	0.0945	0.0725	-0.3915	0.2795	-0.1415	0.3255	1.4495	0.9265	-0.0945	0.3445	0.0185	-0.5925	1.2815	-0.9405	-0.9175	-0.5735	0.4135	-1.0115	-0.0795	-0.1545
-0.6765	0.3745	0.5825	-0.5245	-0.7705	0.0855	-0.5975	-0.0265	0.3665	-0.3515	-0.3285	1.0445	-0.0855	0.4925	0.1025	-0.0995	-0.7175	0.2215	0.1915	-0.0835	-0.4205	-0.3585	-0.4935	0.2685	0.2975	-0.1715	0.1035	-1.0545	-0.5425	-0.5415
0.2685	-0.0615	0.4695	0.3055	-0.5335	0.4745	-0.6485	-0.4045	0.3715	-0.1615	0.4715	-0.7385	-0.3285	-0.5545	0.2925	-0.1505	0.1865	-0.4035	-0.4675	0.3955	0.7545	0.1475	0.8135	0.0915	0.1065	0.1925	0.3795	-0.5175	-0.2345	-0.0815
2.1065	0.9605	0.3385	0.7885	0.0135	0.1705	0.1805	1.0805	-0.4045	0.8555	1.7445	0.9205	0.0245	0.8025	0.2915	0.1755	2.4265	2.5925	1.3925	2.2765	3.3805	2.0545	1.2875	-1.6315	-1.3265	-1.8825	-0.7315	-2.6925	-1.3775	-1.4435
-2.0805	-1.3205	-0.8535	-1.0495	-0.0585	0.0195	-1.5855	-0.7145	-1.4235	-1.2055	-1.4675	-0.6175	-0.2475	-2.0775	0.0315	-2.6335	-2.0055	-0.1635	-1.1335	-1.7665	-0.5735	-1.9045	-0.9595	1.5065	0.3415	1.5095	0.2145	0.7225	0.8825	-0.8075
0.7205	0.9535	0.9635	-0.2415	-0.2995	0.1205	-0.2965	0.2125	-0.3385	0.6995	1.2155	1.0665	-0.0185	0.1095	1.1525	-0.3615	0.4425	0.1715	0.4945	0.8825	1.3435	0.2775	0.2405	0.5525	0.4295	0.4635	0.1555	-0.7165	0.0515	0.0075
0.5655	0.2365	0.7665	0.0615	1.8765	0.9335	0.2015	0.5655	-0.1165	0.2675	0.3555	0.6035	0.1755	0.8815	-0.2105	0.2095	1.5415	0.8235	0.2855	0.7465	1.6835	1.7145	0.5265	0.1135	-0.1955	0.4345	-0.1565	-0.6435	-0.2255	-0.5345
1.3155	0.0905	0.4285	1.0415	0.9005	2.1325	0.7885	0.3835	1.0415	1.2505	2.2405	1.1055	1.1965	0.8865	2.3495	1.4745	2.1065	0.2895	1.9105	0.9895	1.5185	2.6675	1.9275	-1.4415	-0.8145	-0.2555	0.0165	-1.0245	-0.1895	-0.9725
-0.382	0.24	-0.125	-0.488	0.866	-0.787	-0.131	0.027	0.426	0.282	-0.174	-0.453	0.362	-0.118	0.273	-0.22	-0.413	-0.982	-0.389	-0.606	-0.418	-0.107	0.214	-0.293	-0.657	-0.595	-0.223	0.038	-0.524	-0.834
-0.7045	-0.1755	-0.3705	-0.3985	1.0825	-0.4865	0.5965	0.5575	0.1245	-0.0525	-0.7545	1.2405	0.7205	0.2525	0.2685	0.1765	-0.5215	-0.0615	-0.1285	0.3315	0.3185	-0.5815	-0.5695	-0.2775	-0.2975	-0.1745	-0.7875	0.0835	-0.4905	-1.0255
0.6015	0.0725	-0.4485	-0.0945	0.5025	0.7195	1.0365	0.0575	-0.7295	-0.1565	-0.4935	0.1245	1.1005	0.7295	0.3755	0.4515	0.4445	0.7825	0.5115	0.7135	0.2625	1.6765	-0.2535	-0.8905	-0.8395	-0.8885	-0.4685	-0.8755	-0.0565	-0.1385
-1.0205	0.5175	0.4705	0.0825	0.7115	0.1715	0.1505	0.2255	0.1435	0.3035	0.1035	1.5285	0.3825	0.0845	0.6705	-0.7335	0.0745	-0.2405	0.0825	0.3585	0.4765	-0.8525	-0.1675	-0.3005	-0.4795	0.0965	-1.1735	0.7315	0.2645	-0.5145
0.2065	-1.7045	-1.1945	-1.8575	-0.0055	-0.0435	0.0155	-0.4235	-1.1575	-0.3715	-0.7485	-0.2595	-0.8015	-0.4475	-0.4845	-0.5895	-1.3095	-0.6115	-0.3525	0.1205	0.3415	-0.2825	-1.1875	-0.4035	-0.7015	-0.5165	0.4205	-1.4635	-0.4395	-0.3605
0.138	-0.644	-0.288	-1.088	-0.597	0.049	0.544	0.536	0.106	0.454	0.325	0.383	-0.174	1.381	0.899	-0.226	0.717	0.35	0.527	0.61	0.433	1.086	0.303	-0.29	0.091	0.13	-0.379	-1.748	0.157	-0.356
0.6145	0.9875	1.2995	1.5215	2.0005	1.5605	1.0135	0.9735	0.6025	0.5895	1.1675	1.4005	2.4035	1.2705	0.6785	1.8385	1.2425	0.7275	0.0285	1.1215	0.3355	1.4935	-0.0955	-0.6055	-0.2775	-0.6475	-0.3395	-0.1615	0.3795	-0.1255
0.0935	-0.6435	-0.8375	-0.2895	0.1375	0.2295	0.9895	-0.8435	-1.0655	-0.7925	-0.3105	0.1285	0.1115	0.6595	-0.0215	0.1615	-0.1645	0.8605	-0.4415	-0.1995	-0.3595	-0.1385	-1.0095	-1.2115	-1.3835	-1.0965	-0.6635	-1.3165	-0.1575	-0.2405
0.9065	-2.4595	-2.3945	0.0035	1.7985	0.6965	-0.8595	0.1075	-0.8205	0.7875	-0.0145	0.3145	-2.9255	0.2285	0.4465	0.7005	-0.3915	-0.7535	-0.7965	-0.8125	1.4005	0.9885	0.6565	-2.2805	-2.0695	-0.7985	-3.7965	-3.0005	-0.5685	-1.8055
0.7295	-0.2825	1.3335	1.3285	1.3425	1.6135	1.2985	-0.4645	0.0835	-0.4385	1.7115	-0.3995	-0.5985	1.6445	-0.0715	-2.0235	0.5865	-0.6545	0.4825	-0.8145	0.2165	-0.0945	-0.6095	0.4465	0.3775	0.4355	0.9715	1.4165	0.7735	0.7425
-2.453	-1.908	-2.165	-1.183	-1.465	-0.31	-1.395	-0.935	-0.744	-0.77	-1.667	-1.898	-0.096	-1.48	-2.432	-2.06	-0.844	-2.243	-1.246	-0.863	-0.814	-0.616	-1.549	-0.079	0.114	-0.057	-2.188	-0.833	-1.108	-1.2
-1.0955	-0.0235	0.8435	-0.7805	-0.2655	0.0315	1.1625	0.2565	0.2555	-0.4435	0.5065	-0.6805	-0.0455	-0.1265	-0.5775	-0.5445	0.1385	-0.3605	-0.6345	0.2285	0.3205	-0.5615	-0.5915	-0.7445	0.1595	-0.8965	-1.0005	-1.3235	-0.1845	-0.1155
0.0065	0.1255	-0.0505	-0.3355	0.8545	0.0315	0.8595	0.5115	0.2895	0.4705	0.0595	0.2385	0.5385	0.3715	0.2185	0.2565	0.6925	0.0185	-0.2265	-0.3565	0.2955	0.7825	-0.4825	0.1435	0.0635	0.1385	0.0445	0.1245	-0.4075	-0.6815
0.4025	0.3505	0.4855	0.0215	0.6325	-0.2495	1.0405	0.1565	0.4945	0.8475	1.3325	0.6395	-0.5505	0.8615	-0.3335	-0.7175	-0.4955	0.1795	0.9855	-0.2705	1.0335	0.5485	1.1015	-1.0315	-0.6165	-0.6845	-1.0595	-1.6675	-0.3125	-0.1685
0.342	-0.004	-0.139	0.264	0.697	-0.305	0.712	1.388	0.537	-0.016	0.948	1.11	0.03	-0.096	0.349	0.779	0.184	0.395	0.968	0.305	-0.381	0.685	0.926	-0.158	-0.155	-0.314	-1.291	-0.552	0.067	-0.763
0.308	1.684	1.25	0.606	1.013	1.605	1.9	1.162	-0.035	0.522	0.458	1.325	0.805	0.305	1.125	1.415	0.085	1.24	0.287	1.195	-0.234	0.215	-0.181	-0.676	-0.044	-0.582	0.065	-0.185	-0.14	-0.345
-0.0035	-0.5975	-0.7425	-0.3995	-0.0075	-0.0405	0.4085	-0.0015	-0.4825	-0.3545	0.4485	0.1805	-0.9825	0.0375	-1.0935	0.0795	-0.0905	0.2375	-0.4285	0.0755	-0.5135	-0.4165	-0.2635	-0.8415	-0.2855	-0.8325	-0.7945	-1.4215	-0.4205	-0.1635
-1.2885	-0.7185	-1.0715	-0.6525	-0.6105	-0.1545	0.5145	0.3655	-0.7355	-1.6305	-0.6215	0.6475	-0.1125	0.6975	-0.2355	0.9795	-0.2335	-0.4145	-0.1925	-0.1165	-0.8305	-1.0305	-0.6285	-0.0345	0.3925	0.2775	-0.2975	-0.2585	0.0485	0.0645
0.2455	-0.0675	-0.2995	-0.7285	-0.6385	-1.8065	-0.7805	-0.2725	-0.1085	0.1175	-0.0845	-0.4545	-0.2245	0.0355	-0.3705	-1.2185	0.5165	-0.4035	-0.2175	-1.0825	0.2845	-0.2215	0.0685	-0.2475	0.0525	0.1815	-0.8515	0.4925	0.4035	0.2675
-0.324	0.127	-0.38	0.248	-0.441	0.584	-0.242	-0.269	-0.313	0.004	-0.347	0.378	0.137	0.312	0.477	0.022	-0.53	0.216	-0.173	-0.28	-0.845	-0.466	-0.648	-0.483	-0.768	-0.355	0.083	-0.368	-0.322	-0.386
-1.8145	-0.4605	-0.2035	-0.0685	1.4245	0.1705	2.1165	-0.5165	0.5755	-0.1105	0.8285	-1.2335	0.9085	-1.7245	1.5695	-2.1105	-1.5415	-2.5525	-0.4175	0.2465	-0.0435	-0.0645	-0.7525	0.0585	1.6605	1.3775	0.3835	0.3905	-0.7965	0.6035
-2.224	-4.019	-0.847	-1.594	-2.552	0.165	-1.501	-1.244	-0.943	0.468	0.45	-2.596	-2.683	-3.135	-3.309	-1.84	-1.601	-4.414	-0.434	-1.593	-2.761	-0.79	0.045	0.3	-0.046	0.421	-0.563	-0.34	0.536	-0.88
-0.3525	-0.4235	-0.0765	-0.0135	-0.0355	0.0435	-0.0235	-0.5425	0.2595	0.0465	-0.3245	-0.5195	0.1745	-0.2795	-0.1645	-0.2855	2.4065	0.3805	-0.1455	0.0215	0.1345	0.2135	0.5975	-0.2265	-0.1835	0.0145	0.4205	0.5965	-0.1375	-0.3175
-0.727	-1.317	-1.631	-0.633	-0.548	-0.312	0.187	-0.752	-0.529	-0.862	-1.197	0.268	-0.733	-0.878	-0.858	-1.7	-0.671	-1.327	-0.35	-0.377	-0.813	-0.488	-1.696	-0.269	-0.19	0.019	-0.137	0.052	0.183	-0.155
-0.255	-1.252	-1.37	-1.59	-0.093	-0.169	-0.274	-0.383	-1.389	-0.949	-0.771	-0.207	-0.511	-1.058	-0.748	-1.004	-0.976	-1.6	-0.146	-0.762	-0.033	-0.614	-2.032	-0.207	-0.008	0.235	0.621	0.683	0.339	-0.447
-0.3435	-1.2665	-1.3805	-1.2135	0.0305	0.4225	-0.1615	-1.2495	-0.3845	-0.7425	-0.9395	-0.1615	-0.4705	-0.7565	-0.8105	-1.1315	-0.9505	-2.6325	-0.4655	-0.3575	-0.3975	-0.4465	-1.5705	0.4205	0.5615	0.4265	-0.9445	0.4675	-0.1935	-0.1545
0.256	2.734	1.006	-0.753	1.06	0.605	1.338	-0.996	0.49	-0.93	-1.307	0.04	0.169	1.292	-0.967	-1.388	-0.461	0.725	-0.472	-0.83	0.715	1.015	-0.52	-0.633	-1.478	-0.458	-1.619	-1.29	-1.627	-1.288
0	-0.639	-0.15	0.538	1.627	0.327	-0.058	0.091	1.052	0.279	0.463	-0.478	0.136	0.206	0.527	0.826	0.642	0.355	-0.014	0.35	0.466	0.632	0.335	-0.756	-0.586	0.014	-0.184	-1.359	-0.806	-0.971
1.238	0.373	0.813	-0.625	0.248	0.492	0.128	0.327	0.963	1.048	1.765	-0.18	-0.114	0.11	0.37	-0.106	-0.218	0.394	1.013	-0.368	1.307	0.624	0.251	0.38	1.359	-0.317	0.837	0.334	1.007	1.144
0.064	0.832	0.249	-0.813	-0.318	-0.262	-0.762	0.29	-0.14	-0.178	-0.18	2.107	0.249	-0.012	0.719	0.071	0.436	0.823	0.034	0.387	0.686	0.087	-0.948	0.001	-0.029	-0.102	-0.995	-0.27	-0.31	-0.514
-0.2225	-0.6085	-0.7635	-0.7265	-0.1035	-0.3835	-0.3285	-0.4015	-0.5845	-0.2985	-0.2445	-0.2365	-0.2185	-0.4305	0.2465	-0.3825	-0.5135	-0.2795	0.0075	-0.8655	-0.4405	-0.2615	-0.1055	0.2375	-0.0675	0.2635	-0.0085	-0.0285	0.4435	0.0385
-4.3155	-4.4315	-3.9685	-0.2845	-3.8195	-0.5105	-3.8535	-4.5085	-2.4595	-2.8365	-2.4855	-4.4115	-3.9885	-3.6375	-4.2115	-3.5705	-3.8365	-4.4785	-1.9525	-3.4775	-5.1505	-4.0615	-2.2675	-2.0985	-2.1125	0.7905	-1.2925	0.1615	0.2775	-1.4625
2.621	2.841	3.457	2.666	2.236	1.931	1.216	1.442	2.091	0.413	2.221	0.546	0.917	1.847	0.748	-0.321	0.494	-0.723	1.937	1.585	3.31	1.231	0.823	-0.927	-1.164	-0.598	0.095	-1.18	0.071	2.26
-0.39	1.689	1.685	-0.36	0.515	0.916	1.695	1.522	1.168	1.931	2.425	0.711	0.838	0.09	1.058	-0.752	0.363	-0.919	0.534	0.327	-0.431	-0.984	-0.762	-1.135	-0.534	-0.88	0.494	-0.514	0.734	-0.118
-1.6035	-0.9015	-1.1125	-1.4095	-1.0185	-1.3665	-1.3455	-1.3485	-1.3475	-1.4665	-1.4755	-1.2595	0.6405	-0.7425	-1.2115	-3.2335	0.5175	-1.2725	-0.6665	-1.1285	-1.3405	-0.9635	-1.2255	0.6415	0.1325	0.6895	-0.1965	0.4615	1.5715	-0.0265
-3.7055	-3.7325	-4.3695	-2.8925	-3.9335	-0.6025	-3.7935	-4.0045	-3.8135	-2.9795	-4.8915	-4.2145	-4.5775	-2.9715	-4.2875	-4.4015	-3.8155	-4.3825	-2.6655	-4.1065	-4.6995	-3.2135	-2.9125	-0.9095	-0.2215	0.2685	0.0325	-0.9835	2.0635	-1.9245
-0.6665	0.3845	0.0585	1.9675	-0.2645	0.5955	0.2265	-0.3135	-0.0395	1.7415	2.0975	2.2095	1.3835	0.0775	1.7125	1.3965	0.8545	1.4075	1.6505	1.2005	0.4815	0.9025	0.9575	-0.0045	-1.1655	-0.0965	-0.3965	-0.6885	-0.9625	-0.7345
0.748	2.281	-0.466	0.616	0.056	1.671	-0.353	-0.744	-0.291	1.327	0.338	-1.048	-0.973	-0.589	-0.479	-0.731	0.084	-0.792	0.001	1.264	0.379	-0.262	0.382	1.499	2.084	0.277	0.477	-0.136	1.483	1.343
-0.4695	0.4385	-0.6645	-0.2925	0.3655	0.4235	1.1835	0.1715	0.3085	0.0345	-0.2625	-1.2145	-0.4615	0.0405	0.1425	1.0505	-0.2555	-0.4565	0.0245	1.2895	0.7065	0.6435	0.1135	0.2635	0.6645	0.1715	0.6835	-0.7635	0.1935	0.1385
0.405	0.967	-0.473	0.414	0.743	0.551	0.458	0.307	0.01	0.816	0.059	0.863	0.039	0.304	0.07	0.85	-1.115	0.075	0.153	-0.436	-0.635	0.338	0.906	-0.794	-0.664	-1.135	-1.814	-0.939	-0.635	-0.786

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-705 BASAL	BC00043T BASAL	BC00049T BASAL	BC00078T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00086 BASAL	BC00094T BASAL	BR02-703 BASAL	BC00064 BASAL	BC00029T BASAL	PB267 BASAL	BR03-703 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 BASAL	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
-1.7475	0.6165	-0.3765	-0.2845	-1.3045	0.1795	-0.8605	-0.0195	0.5645	0.3575	-0.4695	-1.1525	-1.2815	-1.3165	-0.6385	0.6585	-1.6105	-0.9435	-0.0625	0.0215	0.1585	-1.5405	-0.0545	-0.2755	0.9145	0.1805	1.2835	1.1255	1.0115	0.9695
-0.882	0.27	0.374	0.48	-0.311	-0.629	0.769	-0.503	0.007	-0.499	-0.249	0.52	0.274	0.073	0.472	0.115	-0.693	-0.166	-0.53	0.072	0.338	0.249	-1.158	-1.322	-0.94	-1.207	0.407	-1.254	-0.297	-0.296
-0.074	-1.299	-0.298	-0.175	0.372	0.662	-0.343	-0.134	1.147	0.432	0.209	-1.008	-0.225	0.122	0.325	0.817	0.795	0.814	0.548	-0.301	0.146	0.588	1.038	-1.221	-1.056	0.005	0.401	-1.54	-0.456	-0.852
0.6175	-0.6675	-0.2315	-0.3805	-0.1125	0.1315	0.6085	0.0175	-0.6015	0.6335	-0.3955	0.2925	0.3725	-0.0245	-0.2375	-0.0025	-0.3315	0.2445	0.4885	0.5475	-0.1325	0.6045	-0.6625	-0.1855	-0.3925	-0.4135	0.5025	-0.0035	0.3335	0.1295
-0.1735	-0.0035	-0.6765	-0.0435	-0.6975	-0.1385	-0.4425	-0.4865	0.6485	0.8375	-0.9525	0.1105	-0.8195	-0.6125	-0.1115	0.9675	-0.8905	0.0485	0.0205	0.5465	-1.3025	-0.6425	-0.2515	0.4265	0.1725	-0.1715	-0.1765	-0.1755	0.9355	0.0555
1.78	-0.866	1.551	0.164	2.808	1.937	1.924	-0.094	1.561	1.462	1.463	2.457	0.349	0.692	0.56	-1.456	-0.597	0.554	0.751	1.881	1.007	3.244	0.196	0.726	1.281	-0.029	0.823	0.23	-0.156	0.321
1.8555	-0.0035	1.2075	0.5215	0.9015	-0.0045	0.8165	0.7525	0.8065	0.5085	0.5325	-0.5585	-0.3885	1.0375	0.8395	-0.2825	1.0275	0.8935	0.8115	-0.0945	0.3455	2.7115	0.6025	-1.6565	-2.1675	0.0225	0.0235	-2.1295	-1.3845	-1.8555
-1.193	-2.226	0.311	-0.01	-0.623	0.482	0.423	0.727	-0.845	-0.242	-0.008	-0.459	-1.144	-0.375	-1.677	-1.703	0.613	-2.402	-0.823	0.127	1.009	-0.393	-0.277	0.675	0.808	0.332	0.45	0.042	0.66	1.185
-0.085	0.745	1.671	0.97	1.012	0.402	1.287	0.109	0.667	0.366	1.691	0.783	0.029	0.965	-0.224	0.554	-0.012	1.088	-0.783	0.925	1.377	0.393	-0.408	-0.316	-0.514	0.053	-0.614	-0.697	-0.717	-0.079
-0.237	0.037	-1.438	-0.029	1.764	1.64	2.308	1.919	-0.027	1.966	0.03	-0.226	0.089	1.66	-0.271	2.025	-0.301	1.659	0.27	0.99	-0.698	-1.231	0.475	-0.155	0.646	-0.895	-0.035	-0.849	-0.526	0.417
-0.584	-1.506	-1.925	-1.047	-1.426	-0.022	-0.275	-1.191	-1.086	-1.276	-0.869	-1.316	-0.853	-0.527	-1.341	-1.641	-1.084	-0.673	-1.017	-0.922	-1.841	-0.139	-1.838	-1.253	-1.702	-1.024	-0.899	-0.6	-0.602	-1.095
0.606	-0.133	0.64	-1.045	-0.567	-0.363	1.033	0.612	0.479	-0.135	0.021	1.143	0.908	0.798	0.167	0.239	0.852	1.325	1.61	0.91	0.821	0.373	-0.116	-0.688	-0.92	-1.091	0.102	-2.208	-1.028	-0.878
-0.848	-1.96	-2.258	-3.797	0.077	-0.66	-0.194	-1.065	-0.397	-1.93	-2.254	-1.155	-0.434	-0.368	-0.584	-0.772	-2.877	-3.26	-1.192	-1.321	0.707	-0.337	-2.252	-0.304	-0.919	-0.905	-0.178	-1.282	-0.803	-1.431
-0.2345	-0.3255	-0.3755	-0.1895	0.1365	0.4365	-0.6785	-0.6985	-0.0825	-0.2135	-0.3855	-0.4735	0.2985	1.3435	0.9195	0.5985	0.7625	-0.3475	-0.1335	-0.0195	0.3885	-0.4375	0.1515	0.0815	-0.0485	0.3595	0.3175	-0.6735	0.0435	-0.2605
0.6495	2.8815	3.0455	1.7895	1.8625	2.8555	0.5095	-0.0585	1.3695	2.0685	3.8745	1.1545	0.9265	1.7925	0.2005	1.0725	-0.1085	-0.0185	0.5645	-0.5855	1.0485	-0.5945	1.4695	-0.2345	0.3055	0.1025	0.0995	0.6035	0.5465	1.0295
0.738	-1.179	-0.635	-0.336	0.431	0.362	0.108	0.731	0.832	0.146	0.423	0.708	0.153	1.108	-0.433	0.302	-0.068	0.663	0.183	1.288	1.848	-0.364	0.938	-0.345	-0.2	0.417	-0.401	-1.314	-0.161	-0.732
0.499	-0.918	-0.46	-1.156	-1.312	2.62	2.536	0.844	1.04	2.498	2.042	0.493	1.61	1.18	2.59	1.81	0.81	0.181	1.715	1.64	1.487	4.26	0.945	-0.288	0.015	0.068	1.32	0.78	0.75	0.24
-1.864	-1.882	1.549	1.022	-1.763	-1.645	-0.18	3.846	0.994	-0.573	0.077	-0.162	1.679	0.59	1.533	0.123	3.241	3.737	1.235	1.726	0.857	0.649	2.95	0.219	0.294	0.652	1.831	0.277	-0.209	0.282
0.2875	-0.1405	-0.1415	0.2255	0.2265	0.6525	1.4435	0.5785	1.3175	0.3625	0.0085	0.8185	1.2145	0.4005	0.2655	0.4835	0.7595	2.9165	0.3625	1.1145	2.0275	0.4075	0.0355	-0.0145	-0.0925	-0.2285	1.3005	0.3965	0.7115	0.6455
-0.029	-0.215	0.187	0.619	0.638	0.981	1.489	0.612	1.713	-0.543	0.188	0.424	1.413	-0.118	0.111	0.816	0.298	2.684	0.494	1.089	2.235	0.243	0.634	-0.008	-0.352	-0.117	1.073	0.271	0.713	0.496
-0.6415	-0.0455	-0.4865	0.0065	-0.2825	-0.4745	0.5325	0.0945	0.3945	-0.2445	-0.4555	0.4785	0.7585	-0.2405	-0.2395	0.2345	0.9405	0.7445	-0.1555	1.5035	0.4315	-0.0865	1.0775	-1.4425	-1.3085	-1.1395	-0.2275	-1.1845	-1.0195	-0.8605
-1.6235	-0.7595	0.8135	-0.5425	0.0965	-0.8775	0.6705	1.3735	-1.0345	-1.0285	-0.9145	-1.2225	-0.6255	0.1405	-0.5865	-0.8565	-0.6585	-0.4255	-0.7135	-0.2865	-1.6215	0.0175	-0.0905	0.6955	0.4305	0.1025	1.0985	0.6305	3.0475	-0.2345
0.4785	-0.9265	-0.5395	-0.7295	-0.7375	-0.8375	0.0805	-0.9495	-0.6485	-0.8515	-0.8475	-1.0535	-1.0275	-1.3055	0.0905	-1.1615	-0.2525	-0.8245	-0.6685	-0.9825	-0.6935	-0.7205	-1.1015	-0.3075	-0.1445	-0.3965	-1.3125	-0.6085	-0.1255	-0.0645
0.5905	0.9255	-0.6415	-0.1615	0.2165	0.0175	-0.6335	-0.7045	0.6235	-0.7465	-0.0305	2.3765	-0.0075	-0.2995	2.3165	-0.4465	-0.1395	-0.2775	-0.3135	1.5435	1.3375	0.0785	0.1845	0.0025	1.1885	0.7185	1.6485	0.8755	0.6295	0.7295
3.9595	3.2455	-0.0405	-0.4665	-0.7025	-0.2665	3.7385	2.1195	3.6475	2.4355	1.5695	-1.0035	-0.1655	2.6075	-0.3215	0.7415	0.1055	0.4445	2.4405	0.4345	4.7755	0.9615	0.6015	0.5735	0.2025	0.5715	1.4895	0.5915	2.3875	2.1435
0.683	-0.31	0.645	-1.43	0.223	0.577	-0.559	-0.493	-0.001	1.011	-1.033	-0.721	0.094	0.212	0.038	0.084	0.029	-0.854	-0.063	0.636	-1.157	1.291	1.613	-0.559	-1.044	0.787	0.354	1.268	-0.222	0.11
-0.218	-0.606	-1.06	-0.965	0.38	-0.452	0.65	-1.898	-1.379	0.261	-0.52	-2.087	-1.3	-0.348	-0.421	-1.224	-0.498	-0.884	-0.495	-0.781	-0.296	-0.512	-1.358	0.17	-0.437	0.293	-0.707	0.312	1.148	-0.09
-0.9275	-0.5415	-1.2235	-1.8765	-1.4735	-0.9375	-0.2195	-0.5115	-0.4355	1.5985	0.3235	-0.2095	-0.1485	-0.0495	0.3305	0.3125	-0.9645	0.6955	-0.1125	-2.0735	0.2235	-0.7655	-0.6315	-1.3315	-1.5275	-0.7685	-0.7165	-1.1425	0.0145	-0.8665
-0.0635	0.2465	-0.6665	-0.0835	-0.6905	0.0175	0.2105	-0.2325	-0.4395	-0.7675	-0.3395	-0.7405	-0.3655	0.0985	-0.6145	-0.4575	-1.1125	-0.3985	-0.5175	0.0955	-0.8105	-0.5615	0.6525	-0.2225	-0.0175	0.0505	0.7995	0.6305	0.3905	0.5465
0.5605	1.4375	0.6435	-0.6805	1.1995	1.4305	0.7185	-0.4425	0.1635	0.0695	0.0515	0.9055	-0.1305	0.2135	0.4445	1.4735	-0.5355	0.4425	0.2655	0.8045	-0.0825	0.0855	0.0485	0.1775	-0.1555	0.9235	0.1915	0.3145	0.9135	0.0275
0.8955	-0.0095	1.2415	0.7355	0.3245	1.0765	1.0035	1.1055	1.1675	0.5945	0.9495	1.2605	-0.3405	0.6995	0.3315	0.7875	3.1085	1.6275	1.0405	0.5415	0.9495	2.0225	0.5285	-0.3045	-0.3535	-0.1385	-0.8405	-0.8185	-0.5915	-1.1835
-0.518	-0.221	-0.441	0.289	0.397	-0.073	0.305	-0.023	0.004	-0.156	0.763	0.09	-0.152	-0.312	-0.083	0.355	-0.348	0.351	0.581	-0.078	-0.504	0.272	-0.384	-0.215	0.049	-0.034	-1.475	-0.532	0.347	-0.006
0.5725	-0.1165	1.1725	-0.2325	0.6335	-0.0275	-0.3345	0.4695	0.5475	0.5985	1.0555	0.1135	-0.4135	0.2815	-0.1145	0.7315	0.3085	1.0435	0.0605	0.2035	0.8085	1.3655	0.9665	-0.9065	-0.4325	-0.3705	-1.1715	-1.3125	-0.4005	-0.7825
1.667	-0.305	1.668	1.559	1.421	2.246	1.981	1.045	0.263	1.596	1.338	2.324	0.247	1.798	2.07	2.076	0.09	1.574	1.49	0.147	1.827	2.745	0.322	-2.046	-1.785	-0.961	0.164	-1.567	-0.72	-2.382
-0.9245	-0.5035	-1.8145	-1.9775	-1.9705	-1.1045	-0.2945	-1.0045	-1.1135	-0.3795	-1.2785	-1.6285	-0.9915	-0.6715	-0.3985	-0.5115	0.1285	-1.4025	-0.9935	-0.4445	-0.6885	-1.8465	-0.8435	-0.7635	-1.3285	0.2075	-0.6035	0.1085	-0.3605	-1.0595
-0.0245	0.6755	0.9755	0.3865	1.5875	0.4895	2.6035	2.4255	0.6065	0.8295	0.8705	2.5585	1.0715	1.4675	0.8615	1.9805	1.4055	0.7875	1.3085	1.5055	0.5105	0.8285	0.3955	-0.8175	-0.0415	-0.9045	-0.5155	-1.0225	-0.9755	-0.7745
-1.6835	-0.9585	-1.5495	-0.7835	-0.8455	0.1385	-1.2155	-0.5055	-0.8645	-1.0165	-0.2335	-1.1675	-1.2935	-1.2035	-0.9795	-1.6275	-0.7605	-0.5615	-0.8285	-0.1145	0.3115	-1.3595	-0.0115	-0.4795	-0.8305	-0.5785	-1.7585	-1.4165	-0.6295	-0.9445
0.5585	0.6615	0.4155	1.2525	0.8565	0.3095	0.1715	-0.5845	0.1405	0.1695	0.8925	2.1835	2.8755	1.0435	0.3445	0.3175	-0.2695	0.3535	1.1455	-0.2595	-0.3215	0.0085	-0.0485	-0.4605	-1.0435	-0.5355	1.2145	0.0905	0.3165	0.9155
0.2115	0.8155	1.2765	0.9625	1.9755	1.5405	1.3595	1.2615	-0.0075	0.5505	0.6265	1.5365	0.3445	1.7335	0.9605	1.3635	1.1515	1.1765	0.3645	0.9165	0.5725	0.6115	-0.0595	-0.6945	-0.4865	-0.1755	0.8835	-0.5045	0.2105	-0.2705
-0.304	0.084	1.342	1.549	-0.238	0.474	-0.805	-0.476	-0.054	-0.405	1.406	0.107	0.236	-0.175	0.892	-0.341	0.817	1.814	0.545	2.518	0.794	0.977	0.821	-1.533	1.072	0.538	-0.844	-1.049	-0.587	-0.154
-0.7505	-0.2895	0.1175	-0.1205	-0.2015	-0.4845	-0.5925	-0.4005	0.2745	0.3575	0.0915	-1.0905	-0.6315	-0.1605	0.3385	0.0165	-0.4385	-0.7595	-0.2615	0.0115	-0.3825	-0.3565	0.8065	-0.2645	-0.7975	-0.0405	0.2535	-0.4055	0.4015	-0.5035
-1.684	-0.525	-1.036	-0.09	-0.015	0.118	0.698	0.078	0.036	-0.083	-0.619	-0.596	-0.239	-0.435	-0.289	-0.212	-0.138	-0.507	-0.237	0.746	0.934	0.15	-0.56	-0.136	-0.187	-0.252	0.19	0.133	0.097	-0.14
-0.001	0.348	0.459	0.559	-0.088	-0.456	-0.383	-0.536	0.378	-0.293	-0.2	-0.396	0.06	-0.34	-0.182	-0.792	-0.257	-0.599	-0.367	-0.173	-0.363	-0.267	0.034	0.23	0.121	0.058	0.133	0.797	-0.083	-0.381
0.045	3.307	1.016	2.919	0.892	0.181	-0.006	-0.042	0.919	-0.342	1.347	0.087	-0.25	0.197	-0.313	0.441	0.678	0.596	0.187	0.373	1.787	-0.665	-0.116	-0.345	0.965	1.106	-0.128	0.666	-0.398	-0.585
0.6625	1.6235	2.5955	1.8945	1.0445	0.5675	2.7675	2.2475	1.5985	2.1075	2.6355	2.3175	0.8085	0.5205	1.9005	1.8125	0.0595	0.1155	1.3255	0.6795	2.6305	0.8065	0.1845	0.5305	1.2835	0.0985	-0.5095	0.8695	1.9345	1.4115
0.4085	0.9995	0.3745	0.4245	-1.0425	-0.2175	-0.2765	-0.6445	0.0315	-0.7195	-0.2805	1.2925	-0.1255	-0.2725	0.4245	-0.4415	-0.1775	0.1875	0.1235	0.3855	0.5655	-0.4125	-0.5565	-0.0775	0.7025	-0.1015	-0.1865	-0.2245	-0.1615	-0.0475
-0.8255	-0.7645	-0.5285	-0.1605	-0.5735	-0.0975	-0.6165	-0.4215	0.2925	0.1645	-0.4955	0.1095	0.0185	0.2185	0.1055	0.5825	-0.5325	-0.1865	-0.1545	0.6245	-0.1385	-0.7495	-0.2505	-0.6345	-0.1675	0.0005	0.3735	-0.1605	-0.2585	-0.6685
-0.548	0.475	0.137	-0.389	0	-0.106	0.342	0.475	-1.229	0.114	0.424	-0.19	-0.712	-1.212	-0.834	0.474	-0.772	-0.419	0.209	0.003	0.746	-0.119	0.062	-1.648	-1.094	0.027	-2.338	-1.302	-0.804	-1.4
0.2345	0.6095	0.0575	0.7125	-0.3055	-0.1655	-0.3955	-0.0465	0.3375	-0.0725	-0.3825	0.0035	0.2385	0.4195	0.0995	0.0295	-0.5935	-0.2725	0.0485	0.2725	-0.2105	0.4975	-0.4715	-0.0695	-0.0375	-0.1685	-0.1395	-0.5165	-0.5125	-0.4765
-1.2145	-0.0215	-0.2525	-0.3445	-0.4135	-0.1275	-0.2035	-0.4495	-0.2085	0.0275	0.5675	-1.0485	-1.0245	0.0495	-0.3965	0.4515	-0.7355	-1.0265	-0.3255	-0.2325	0.0625	-0.9025	-0.4495	-0.8205	-0.1175	-0.8975	-0.6085	-0.5895	-0.2565	-0.3365
-0.6205	-1.5455	-0.2685	-0.8085	-1.0845	0.0885	-0.4235	-1.2925	-0.0155	0.1555	-0.7925	-0.8145	-1.6335	0.5605	-1.9175	0.4135	-0.8455	-1.2355	-0.2925	-1.2755	-0.1055	-0.9855	-0.3315	-0.7125	-0.7375	-0.7165	0.1845	-0.6345	-0.2815	-0.7885
1.8795	0.3325	2.4685	1.5465	1.6135	1.6475	1.4665	1.4915	1.8805	1.7685	2.6755	0.7985	0.4915	1.3505	1.6815	1.5145	1.1955	1.4995	1.6165	1.4825	1.1385	2.4175	1.2965	-0.7515	-1.3525	-0.5025	-0.9865	-1.5285	-0.2395	-1.3465
-0.375	0.284	1.87	1.218	0.225	-0.173	0.869	0.921	0.166	0.606	1.475	1.796	0.703	0.461	0.912	1.975	1.111	1.09	0.497	0.655	1.427	0.01	1.712	-0.046	-0.431	0.535	0.508	0.453	0.688	0.309
0.9345	3.7275	0.8485	3.4875	0.3895	4.5545	2.0165	3.5445	0.6585	3.7465	5.3315	2.4725	0.4165	2.5565	0.4505	-0.6455	2.6265	0.2695	1.7655	-0.3025	3.1455	-0.9535	2.1815	0.8515	1.6435	0.6955	2.4345	1.7715	2.6785	2.8085
0.302	0.136	-0.93	0.814	0.953	0.335	1.257	1.729	1.002	-0.352	-0.717	-0.675	1.309	1.344	0.527	0.295	1.216	-0.012	0.836	-0.143	0.477	-0.342	0.687	1.1	0.583	1.118	-0.871	1.658	-0.227	-0.707
-0.7705	0.0405	0.3265	-0.2985	-0.1235	-0.0575	0.3685	0.4885	0.6355	0.5805	0.2975	-0.8155	-0.4755	-0.0085	1.0025	0.3775	-0.2825	-1.0605	-0.6965	-0.3155	1.2095	-0.3005	1.3905	0.3085	0.7115	0.7585	-0.7885	-0.1855	0.1235	0.3035
-0.4785	0.9155	1.0625	0.8585	0.6605	0.5115	-0.0265	-0.3045	-0.0125	0.2075	-0.1985	1.8305	0.4195	0.7705	0.4335	1.2345	-0.0945	0.2405	0.0795	0.3755	0.8875	0.6845	-0.4585	-0.2835	-0.5035	0.1745	0.0125	-0.9795	-0.4565	-0.8975
1.695	-0.245	0.905	0.525	1.565	1.185	1.775	1.475	0.111	0.885	2.285	1.115	0.109	-0.27	1.671	1.746	2.325	1.005	1.225	0.18	1.385	2.367	0.525	-0.995	-1.075	0.415	0.745	-1.838	-0.145	-1.246
0.084	-0.155	0.257	-0.221	0.111	0.251	-0.069	-0.116	0.224	0.18	0.885	-0.567	0 119	0.335	-0.815	0.369	0.179	0.075	0.547	0.213	0.4	-0.288	0.021	0.014	-0.148	0.673	0.178	-0.696	-0.348	-0.397
0.8505	0.5995	-0.1455	-0.0495	0.8505	0.7675	1.5805	1.2705	1.3235	1.0455	0.9365	1.7345	0.9385	0.8245	1.3835	0.7345	0.6925	0.7445	0.7755	1.1245	0.9515	0.6075	0.9025	-0.0745	0.4075	0.0595	0.9655	0.5515	0.4185	0.4005
0.1835	0.0805	-0.4525	-0.2285	0.5605	0.0895	0.1295	-0.6405	-0.6885	-0.7155	-0.1155	-0.5355	0.2775	0.6085	0.0195	0.3635	0.1655	0.5505	0.0285	0.2925	-0.0565	0.2005	-1.0715	-0.4785	-0.7725	-0.1395	-0.1895	-0.6995	-0.5925	-0.8295
-0.744	-0.294	-0.074	-0.476	0.383	0.087	-0.663	-0.15	-0.594	-0.303	0 516	-0.442	-0.434	-0.108	-0.078	-1.077	0.13	-0.393	-0.645	-0.107	0.531	-0.12	0.362	-0.522	-0.316	-0.52	-0.427	-0.918	0.001	0.006
0.3905	-0.6445	-0.9775	-0.4655	-0.7605	0.1345	0.0785	3.3425	3.5975	0.5265	1.4905	3.7445	2.5875	1.8275	4.3375	-1.1415	4.2085	0.8085	0.0255	0.2935	0.7785	0.1025	2.6635	0.8535	-0.4605	-0.5305	0.0035	0.0985	-1.0485	1.3255
0.219	0.72	2.549	1.766	1.33	1.612	-0.239	0.251	0.498	-0.038	0.983	1.846	0.094	1.05	0.422	0.945	0.043	-0.144	1.024	0.464	0.942	-0.428	-0.552	-0.607	-0.581	-0.66	0.123	-1.319	-0.366	-0.388
-1.288	0.008	1.585	0.121	-0.851	0.148	-1.085	-0.831	-0.761	-0.866	-1.008	-0.956	-1.485	-1.259	-0.393	-0.513	-0.732	-0.43	-0.544	-0.114	-1.122	-0.337	0.088	0.534	-0.461	0.887	-2.361	0.138	-1.222	-0.869
1.269	-1.009	0.144	0.487	0.909	0.372	0.096	0.281	0.049	-0.097	-0.025	0.353	0.582	1.002	0.313	0.339	1.443	0.752	-0.466	0.794	1.063	0.868	0.271	-0.871	-1.836	-0.998	-1.161	-0.913	-0.8	-1.182
-0.9465	0.5135	0.3375	-0.0665	-0.1905	-0.9715	0.1465	-0.2135	0.2845	0.0815	-0.5305	-0.6215	-0.2605	-0.8195	-0.1925	-0.9765	-0.5075	-1.2575	1.7765	-0.4715	-0.0955	-0.4905	-0.6705	0.2715	-0.3095	0.0065	1.8285	2.1355	2.9415	0.6005
1.5175	1.6105	2.4455	0.3245	-0.2015	-0.5885	-0.2725	1.6115	1.3785	0.4405	0.3745	0.5945	1.3525	1.6485	0.3075	-0.7545	0.5835	0.2885	0.3215	1.3435	1.9825	1.0285	0.8155	-0.2625	0.2315	0.5485	-0.2335	0.1645	-0.3395	-0.1055
0.5345	-0.5845	-0.3665	0.0375	0.2105	-0.0605	-0.7545	0.4685	-0.4545	-0.8795	-0.2265	0.3065	-0.3925	0.2325	-1.2235	-0.2185	-0.0265	0.6315	-0.4345	1.1205	1.1285	-0.9845	-0.6035	-1.2415	-1.2855	0.1255	-0.5295	-0.5695	-0.1385	-0.4695
0 017	-0.894	-0.58	-0.839	-0.576	0.072	-0.1	-0.546	-1.008	0.294	0.347	0.744	-0.117	0.301	0.593	-0.187	-0.258	-0.249	-0.224	-0.464	-0.686	0.162	-1.304	0.428	0.698	-0.317	0.015	0.137	0.208	0.335
-0.568	-0.212	0.221	-0.111	-0.423	0.28	-0.937	0 045	0.202	-0.459	0.368	-0.348	-0.347	-0.407	-0.118	-0.708	0.429	1.423	0.43	1.58	-0.213	0.093	0.246	-0.094	0.045	0.58	-0.485	-0.287	-0.42	0.166
-2.6345	0.1575	-2.2435	-2.1965	-0.4545	-0.6415	-0.9465	-1.5855	-2.6545	-3.3825	-4.7855	-2.6815	-2.8625	-1.7295	1.5065	-2.1925	-0.1075	0.4415	-0.3645	-2.1805	-1.5735	-2.2285	-2.3475	-1.2275	-1.6005	0.2895	-1.6625	-0.5485	-0.6845	-1.6035
-0.649	0.366	-1.563	-1.696	0.734	-0.923	-0.636	-0.521	0.051	0.376	-0.023	-1.529	7.391	0.025	0.333	-0.84	0.023	-0.666	-0.202	-1.091	-0.52	-1.154	2.016	-0.126	-0.33	-0.322	0.51	0.818	1.885	0.306
0.503	-0.508	-0.27	0.251	-0.271	0.307	0.195	0.677	0.273	0.148	0.391	0.352	-0.047	1.507	-0.291	0.484	-0.078	0.211	0.227	-0.15	0.357	-0.205	-0.474	0.239	0.07	-0.139	0.371	-0.244	-0.002	0.029
-0.42	0.04	-0.608	0.102	0.126	-0.185	-0.541	-0.308	0.504	-0.002	-0.419	-0.596	0.019	-0.198	-0.189	0.029	0.059	-0.588	-0.083	0.152	-0.228	0.044	-0.325	0.133	0.161	-0.047	0.384	0.753	-0.126	0.16

Table 18.

9830-0200 BASAL	9830-0101 BASAL	9830-0101 BASAL	9830-0102 BASAL	9819-0104 BASAL	BR02-7052 BASAL	BC00043T BASAL	BC00049T BASAL	BC00076T BASAL	BC00041 BASAL	UB-110 BASAL	BC00024T BASAL	BC00082T BASAL	BC00068 BASAL	BC00094T BASAL	BR02-7051 BASAL	BC00064 BASAL	BC00029T BASAL	PB287 BASAL	BR03-7031 BASAL	UB-100 BASAL	PB341-LN BASAL	BR98-026 NORMAL-I	BC00033-I NORMAL-I	BC00093-I NORMAL-I	BC00017-I NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I	Normal Br NORMAL-I
1.1035	2.5485	2.3065	1.1885	0.3066	2.6316	2.5885	2.5985	2.1175	1.1865	2.7185	1.8165	1.2845	0.9595	-1.4745	0.8205	0.7025	1.3185	0.8705	2.1725	2.7885	1.8145	-0.5715	-0.0215	0.3886	0.4885	0.2055	1.0055	0.9885	0.2565
-0.054	0.037	-0.007	0.039	0.291	0.022	-0.288	-0.093	0.021	0.94	0.273	-0.467	-0.278	-0.165	0.082	0.397	-0.034	-0.069	0.126	0.419	-0.409	-0.308	-0.147	0.143	-0.039	0.588	0.838	1.401	0.555	0.492
1.8165	2.2805	2.6615	2.2225	2.5765	1.7775	0.1655	-0.5735	0.5225	0.5305	2.4415	-0.6075	-0.2575	-0.2905	0.3455	-0.8485	-0.2935	-0.7695	0.1975	0.0735	0.0485	-0.7205	-0.7405	0.8645	1.4135	0.8095	1.3885	2.1045	1.1515	1.1215
1.019	0.161	-0.687	0.113	0.094	0.213	0.728	0.036	0.082	-0.564	0.1	0.209	0.677	-0.301	1.628	-1.314	0.459	-1.009	-0.288	0.578	1.315	0.363	-1.477	0.786	0.411	0.947	-0.433	0.312	0.027	-0.172
0.033	-0.192	-0.539	-0.232	-0.073	-0.514	0.846	0.715	-0.123	0.1	0.209	0.677	-0.301	1.628	-0.131	-0.818	-0.538	0.352	-0.062	-0.04	-0.089	0.072	0.608	0.448	-0.856	-0.559	-0.868	-1.021	-0.452	-1.143	-0.9	-0.668
-0.751	-1.485	-0.781	-1.239	0.101	-0.677	0.205	-0.41	-0.427	-0.772	-0.352	0.232	0.068	-0.147	-0.684	-0.076	0.004	0.176	-0.388	-0.212	-1.241	0.004	-0.075	-0.008	0.124	-0.288	0.588	0.861	0.537	-0.2196
-0.0025	-0.8525	1.6935	0.1065	-0.6985	-0.5345	-0.2845	0.4335	-0.3365	0.1665	0.3685	-0.8595	-0.4685	-0.2855	0.2485	0.1355	-0.4355	0.0435	1.0155	-0.7375	0.5055	0.0275	0.2585	0.0965	0.4355	0.7835	-1.1925	-1.6875	-0.2295	-0.2195
-0.95	0.547	0.034	1.471	0.366	-0.597	-0.522	-0.455	0.146	-0.577	0.481	-0.358	-0.111	0.575	-0.408	-0.58	-0.019	-0.355	-0.538	-0.077	-0.476	0.494	0.093	-0.359	-0.449	0.142	-0.371	-0.344	0.192	-0.572
-0.589	0.131	-0.339	0.701	1.141	1.553	-0.329	3.851	0.921	2.091	0.041	1.241	1.438	2.975	0.009	3.038	2.308	1.891	1.141	0.2245	0.9935	0.7955	0.0125	0.4265	-0.4775	-0.9605	-0.5855	-0.0875	-2.7115	-2.0125	-0.4795	-0.5605
0.0355	-0.8665	-0.3585	-0.2425	-0.6775	0.1895	0.0115	0.3695	0.1035	0.1535	0.8965	0.6695	0.1335	0.3655	1.4655	1.0015	-0.1565	0.1935	0.1255	-1.2075	-0.2805	-0.2225	-1.0515	-0.9605	-0.0525	0.7565	0.0885	0.2985	1.1745	-0.0965	0.5115
-1.2345	-1.5665	-0.7705	-1.2265	-0.4135	-0.2255	-1.1625	-0.7605	-1.0925	-0.9855	-0.9275	-0.1265	-1.2425	-1.1715	-0.8275	-0.1275	-0.5225	0.4065	-0.2745	-0.0015	-0.3315	0.2245	1.1005	0.1775	-0.0525	0.7565	0.0885	0.2985	1.1745	-0.0965	0.5115
1.2135	1.9725	0.1135	0.1575	-0.2755	0.0285	2.4645	2.1985	0.2825	1.2955	1.8435	-0.2135	-0.0575	-0.6685	-0.1275	-0.5225	0.4065	-0.2745	-0.0015	-0.3315	0.2245	1.1005	0.1775	-0.8285	-0.3625	-2.1875	-0.1665	-1.3305	-1.5175	-0.1045	-2.3995
-3.1335	-3.9535	-3.0785	-2.5805	-2.5435	-2.3505	-2.3165	-2.3425	-3.3685	-3.2555	-2.8275	-1.8065	-2.7685	-2.8675	-3.2975	-3.2975	-0.5675	-0.9185	-2.0025	-2.4325	-2.5535	-3.0175	-0.8285	-0.3625	-2.1875	-0.1665	-1.3305	-1.5175	-0.1045	-2.3995
-1.074	-0.941	-1.288	-1.648	-0.514	-1.101	0.6	-0.867	0.159	0.399	-0.453	-1.156	-0.325	-0.129	0.506	-0.038	0.24	1.134	-1.148	0.028	0.207	0.758	-0.459	-0.792	-1.053	-0.404	0.063	0.031	0.921	0.461	-0.178
-0.044	-0.044	0.004	-0.653	0.288	0.42	0.958	0.198	0.227	-0.606	0.13	0.119	-0.597	-0.215	0.018	0.326	-1.022	1.134	-1.148	0.028	0.207	0.758	-0.459	-0.792	-1.053	-0.404	0.063	0.031	0.921	0.461	-0.178
0.7985	0.8655	0.1275	0.3825	0.7425	-0.1095	0.6135	-0.1245	0.1065	0.3125	0.3595	0.2955	0.4535	1.1655	0.3665	0.0275	0.4045	0.385	0.4585	-0.0735	0.2925	0.2685	-0.2725	-0.8475	-0.6335	-0.7925	-0.8325	0.1235	-0.8125	-0.5545	-0.4185
-0.435	-0.578	-0.619	0	-1.374	0.341	-0.176	-0.283	0.156	-0.259	-0.358	-0.05	0.503	-0.144	-0.05	0.012	-0.046	0.831	-0.191	0.71	-0.646	0.038	-16	-0.874	-0.381	-0.825	0.007	-1.664	-0.269	-0.37
-1.2285	-1.3285	-0.1385	-0.8715	-1.4655	0.8295	-0.5975	-1.3655	-0.6895	-0.7205	-1.5535	-1.2165	-0.9955	-1.4435	-0.6885	-1.4995	-0.9245	-0.1155	0.1085	-0.2835	0.0295	-0.6395	0.2735	0.1145	0.0285	-0.2455	0.4905	0.2065	0.4005	0.4375
0.6945	1.8165	0.9895	0.3825	0.7745	-0.1175	0.0015	-0.3945	0.1695	0.6785	0.6075	-0.0385	-0.0145	0.9605	0.8325	0.7375	-1.3195	0.3175	0.3125	-0.2835	0.0295	-0.6395	0.2735	0.1145	0.0285	-0.2455	0.4905	0.2065	0.4005	0.4375
-0.6275	-0.1215	-0.8355	-0.5455	-0.4875	0.0955	-0.3065	0.3785	0.1765	-0.0545	-0.6605	-1.1095	-0.4095	-0.5175	-0.6285	-1.2825	-0.9055	-0.7885	-0.4215	0.1285	-0.1065	-0.8585	-0.4225	0.5545	0.8685	0.0905	0.0595	0.7615	-0.1255	0.3645
-0.307	-0.135	-0.224	-0.038	-0.146	0.1175	0.0285	2.1985	0.2825	1.2955	1.8435	-0.2135	-0.0575	-0.6685	-0.1275	-0.5225	0.4065	-0.2745	-0.0015	-0.3315	0.2245	1.1005	0.1775	-0.8285	-0.3625	-2.1875	-0.1665	-1.3305	-1.5175	-0.1045	-2.3995
-0.203	-1.518	-0.18	-0.146	1.179	0.7425	-0.1095	0.6135	-0.1245	0.1065	0.3595	0.2955	0.4535	1.1655	0.3665	0.0275	0.4045	0.385	0.4585	-0.0735	0.2925	0.2685	-0.2725	-0.8475	-0.6335	-0.7925	-0.8325	0.1235	-0.8125	-0.5545	-0.4185
1.8065	1.8535	1.8125	1.0255	0.0135	0.4225	-0.0855	0.1765	0.6355	0.3565	1.0585	1.0675	1.5875	1.3795	0.8005	1.4985	0.7745	0.5785	0.9575	0.6815	0.7315	1.4725	0.7185	-1.3005	-0.7925	-0.3095	-0.9495	-0.5535	-0.4595	-0.4595
0.277	1.046	1.284	1.792	1.232	0.929	-0.091	-0.428	-0.204	-1.291	0.854	0.008	0.371	-0.394	-0.3675	-0.214	-0.747	-0.446	-0.2	-0.289	-0.743	-1.139	0.893	0.342	0.725	-0.071	0.352	-0.108	0.497	0.386
-1.2005	0.4755	-1.4685	-0.4275	-0.9145	-0.0955	0.7165	0.7075	0.3705	1.9385	1.2205	-1.2125	0.3025	-0.3675	-0.6275	-1.1765	-0.8165	0.2985	0.2015	-0.5075	-0.1065	-0.2585	-0.2635	-1.8085	0.5445	0.6095	-0.0655	0.8095	0.8135	-0.0405	0.1115
0.3565	-0.9325	-1.4045	-0.5135	-0.5195	-0.1045	-0.6715	0.0055	0.3715	-1.1335	-1.0915	0.0945	-0.5675	-0.3075	-0.4725	-0.7305	-0.5645	0.4615	0.4475	0.1485	-0.5155	0.4305	0.1575	-0.7265	-0.5765	-0.7865	-0.7305	0.3315	0.0885	-1.0845	0.1455
0.7235	0.2215	-0.3895	-0.0255	-0.1115	-0.0355	0.5485	-0.1445	1.6725	0.8355	0.5745	-0.8385	-0.1715	-0.0095	0.4635	-0.5485	-0.2885	0.3705	-0.5045	0.2415	-0.0965	0.383	0.052	-0.433	-1.043	-0.792	-1.498	-1.97	-0.564	-0.752	0.46	-0.131
0.631	-0.182	-2.556	1.579	-1.488	1.041	0.746	0.43	-0.862	0.169	0.169	0.686	-2.017	0.686	0.418	1.537	-0.209	-0.581	0.716	1.324	0.793	0.383	0.052	-0.433	-1.043	-0.792	-1.498	-1.97	-0.564	-0.752	0.46	-0.131
-0.189	-0.044	-0.366	-0.249	-0.785	-0.653	-0.988	-0.117	-0.268	-0.127	-0.374	-0.909	-0.6	-0.911	-0.34	-0.523	-0.412	-0.693	-0.622	-0.438	-0.8	-1.143	-0.346	-0.166	0.247	-0.358	-1.97	-0.564	-0.752	0.46	-0.131
-0.5815	-0.0455	0.0395	0.4345	0.2505	-0.3945	0.7685	1.0715	-0.5095	-0.4295	0.5505	1.2925	-0.3955	-0.1035	0.6685	0.8185	1.0815	0.3985	0.1405	0.5755	0.4685	-0.1955	0.2835	-0.4215	-0.3185	-0.2665	-0.4045	-0.4745	0.2565	-0.1655
0.377	-0.114	0.061	0.413	0.808	0.255	0.819	0.722	0.368	-0.42	0.107	0.503	-0.688	-0.139	-0.396	0.387	-0.007	0.538	0.107	0.756	0.523	-0.203	-0.636	-0.696	-0.138	-0.981	-0.101	-1.479	-0.48	-0.4
0.4635	-0.6045	-0.6055	-0.3385	0.5375	0.2045	0.1835	-0.0305	0.1875	-0.0285	-0.2245	0.2125	0.2935	-0.1505	0.3035	-0.0845	0.2985	0.2175	-0.0465	0.0635	0.2175	0.0875	-0.0545	0.9995	0.1255	0.1395	-0.4205	0.2415	0.1135	-0.2835
0.9625	2.1405	1.4965	0.8655	0.8475	1.2235	1.3105	1.4215	1.3305	1.9685	2.8645	0.8735	-0.0335	0.2325	0.9315	0.7165	1.2985	0.6505	0.7325	0.3675	1.7045	1.7735	1.9055	0.4545	1.1015	0.0175	0.0645	0.6935	1.3375	1.3225
0.2275	0.4165	-0.3945	0.7285	0.0495	0.2655	0.8045	0.2655	-0.4915	0.4785	-0.2765	-0.0485	0.8745	0.2295	0.3495	0.0785	0.4615	0.4475	0.1485	-0.5155	0.4305	0.1575	-0.7265	-0.5765	-0.7865	-0.7305	0.3315	0.0885	-1.0845	0.1455
-0.017	-1.12	-1.221	-0.581	-0.5	-1.168	-0.132	-0.421	-0.991	-1.277	-0.99	-1.099	-1.256	-0.911	-1.05	-1.029	-1.266	0.259	-0.014	-1.994	0.04	-0.575	-1.377	-1.938	-1.916	-0.421	-0.412	-0.374	0.451	-0.212
-0.524	-0.1061	-0.973	-0.41	0.546	-0.174	-0.1295	-0.11	-0.184	-0.65	-0.535	-0.774	-0.242	-0.856	-0.108	-0.518	-1.015	-0.625	-0.127	-0.375	-1.212	-0.726	-0.301	0.461	0.538	0.885	0.289	0.399	-0.043	0.42
-0.3315	-0.0285	-0.3285	-0.1035	0.3055	-0.0855	-0.1185	-0.3955	0.1605	-0.2135	0.2265	-1.0685	-1.0225	-0.5835	-0.0245	-1.1005	-1.2115	-0.6425	-0.4725	-0.9725	0.1665	-0.4765	-0.4355	-1.6515	-1.2595	-0.8755	-0.9485	0.0665	0.0585	-0.8415
-0.0225	0.1685	0.4115	0.0095	0.4885	0.8285	0.7735	0.0375	-0.1245	-1.2205	-0.2705	-0.7255	0.2205	-0.6395	0.1765	-0.1205	0.2545	-0.1915	-0.1445	-0.6025	-0.8795	-0.6475	-0.4295	-0.1225	0.1995	0.1145	-0.4485	-0.1845	-0.2145	-0.6585
0.5345	0.2795	-1.0245	0.4885	0.8285	-0.2875	0.4245	0.1965	0.1285	-0.2025	-0.0495	0.9015	-0.4125	-0.1535	0.1955	0.0685	-0.2065	-0.0055	0.2215	-0.3235	0.8795	-0.1925	-0.4885	-0.9895	-0.3925	-0.5415	-0.7055	0.2495	-0.0655	0.3765
-0.0275	-0.3485	-0.7325	-0.6285	-0.2875	0.4245	0.1965	0.1285	-0.2025	-0.0495	0.9015	-0.4125	-0.1535	-0.2085	0.44	0.0521	-0.056	0.294	0.12	0.615	0.28	0.308	0.108	-0.143	0.037	-0.487	-0.522	0.208	0.003	-0.01
0.381	-0.822	-0.522	-0.271	0.263	0.368	0.054	0.034	0.15	0.143	-0.551	-0.145	-0.771	-0.289	0.44	0.0521	-0.056	0.294	0.12	0.615	0.28	0.308	-0.22	-0.318	-0.029	-0.513	-0.145	-0.078	-0.325	-0.372
0.559	-0.322	1.173	0.578	0	0.316	1.893	0.241	1.024	0.437	0.803	0.999	0.738	0.578	1.997	0.995	1.839	0.487	0.467	0.85	0.868	0.808	-0.22	-0.318	-0.029	-0.513	-0.145	-0.078	-0.325	-0.372
0.564	0.711	0.396	-0.848	1.069	1.038	0.959	0.04	-0.068	-0.163	-0.007	0.413	-0.152	0.229	0.578	0.834	-0.251	1.095	-0.122	1.228	0.437	0.818	-0.109	-1.34	-0.667	-0.128	0.033	-1.029	-0.425	-0.368

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-001 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-050 LUMINAL	9830-0200 LUMINAL	BR95-003 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-038 LUMINAL
-0.3185	-1.1445	-0.4775	0.4895	1.6095	0.1995	0.5175	1.5795	0.5815	0.1165	1.4335	0.3065	1.3685	0.8165	0.0145	0.6765	0.3445	1.8695	-0.1345	1.6815	2.8515	3.3355	2.2185	1.1115	2.2465	3.0455	2.2785	3.4195	3.1535	0.4285
-0.219	0.096	-0.038	-0.105	0.368	-0.267	0.214	-0.012	0.041	-0.109	0.358	0.014	-0.439	-0.07	0.034	0.114	0.643	0.073	0.476	0.506	0.282	0.46	-0.317	0.341	0.656	0.174	0.157	-0.024	0.08	0.268
-0.483	-2.012	-1.958	2.276	0.346	2.285	1.529	1.578	-0.875	0.909	-0.586	1.213	1.232	2.379	2.715	1.713	0.006	0.483	2.035	-1.507	-0.996	3.339	2.344	2.646	3.244	1.345	1.404	1.24	1.359	-1.431
-0.0925	0.0835	-0.4765	-0.5155	0.0985	-0.8325	0.3865	0.2955	0.8595	-0.1885	0.8675	0.3105	-0.1075	0.5455	2.3455	3.1685	0.2585	-0.5615	1.3465	-0.2155	-0.8335	0.0985	-1.3235	0.2375	-0.0415	-0.2085	-0.6765	-0.0605	0.5455	-0.1185
-0.4055	-0.2135	0.5965	0.9985	0.3215	-0.2355	0.0075	-0.5055	-0.9045	-0.4475	1.0505	0.4745	-0.1095	0.2055	0.5735	0.5625	0.8875	-0.5525	-0.3265	-0.5065	0.0175	0.3565	-1.0345	1.0875	1.0295	0.9805	1.1275	0.7145	-1.0445	0.5345
0.187	0.308	0.721	-0.111	0.76	0.874	0.469	0.148	-0.026	0.014	-0.155	0.316	0.526	0.109	-0.086	-0.496	-0.346	1.422	-1.127	0.276	0.403	0.196	1.104	-0.762	-1.299	-0.492	0.607	0.099	-0.531	-0.497
-0.2655	-0.1435	-0.8825	-0.5435	-0.7135	0.2145	-0.5085	0.1615	-0.1145	-0.3055	-0.0485	-0.4465	-0.3785	0.1805	0.1625	-0.5315	-0.5305	-0.1675	0.1975	-0.0245	-0.1415	-0.6075	-0.0485	-0.2845	-0.5255	-0.4095	-0.0795	-0.5545	0.3105	-0.3045
0.011	-0.368	0.758	0.642	1.463	0.289	1.772	1.121	1.212	-0.218	-0.655	1.48	0.379	0.854	1.311	-0.35	0.367	3.48	2.313	1.559	2.317	2.86	-0.034	1.843	1.224	2.647	1.067	2.19	1.74	-0.653
-0.0675	-0.3635	-0.1525	-0.2935	0.5595	0.9325	0.6235	0.8505	1.2615	0.4555	0.0055	-0.4515	0.4225	0.1545	0.2115	0.6765	0.7105	1.2195	-0.0195	-0.1905	-0.8115	1.0835	0.8545	1.6235	1.0875	-0.1425	0.7705	0.5765	0.2885	-0.4035
0.4405	-0.2015	-0.0585	0.3785	-0.6275	1.4265	0.6175	0.2815	-0.2975	-0.3565	-0.1395	0.0805	0.9935	0.9925	0.2165	0.9825	-0.8095	0.0375	0.7395	-0.0695	-0.6785	0.6345	-0.0145	-0.0005	-1.1195	0.1785	-0.4805	0.1255	0.0005	-0.4405
0.1095	-0.2935	-0.9615	-1.0385	0.1725	-0.1095	-0.7755	-0.7905	3.5055	0.1395	3.4175	-0.4895	-0.2375	-0.0165	-1.3605	-0.5535	-0.4455	-0.9055	-0.5525	-0.5715	0.6375	-0.2655	0.9725	-0.3405	-1.0895	-0.8785	-0.3175	-1.0675	2.3795	1.2145
-0.521	0.13	-0.086	-0.214	0.479	0.011	-0.616	-0.743	0.251	0.05	-0.339	0.048	-0.534	-1.008	-0.038	0.682	-0.036	-0.284	-1.284	-1.083	-0.831	0.671	-0.042	-0.267	0.751	-0.052	0.143	0.269	0.634	0.654
-0.0215	0.1505	0.0685	-0.1315	0.0845	-0.2495	-0.2425	-0.2695	0.0035	0.1245	0.0575	-0.2495	-0.0635	0.0705	-0.2585	-0.4155	-0.1175	0.3055	-0.4145	0.0175	-0.0045	-0.3805	-0.1155	0.1115	-0.0055	-0.1485	-0.1675	-0.3685	-0.0625	-0.1235
-1.3495	-1.4945	-0.4525	1.2425	0.2585	-0.3265	0.0405	-0.9925	0.5365	-0.1075	-0.1725	-0.9295	-1.0025	-0.7215	-0.2415	-0.3345	-0.9885	-0.9395	-0.3885	-1.2545	-0.4645	-0.1275	-0.9095	0.8325	-0.2395	-0.6575	-1.0545	-0.4765	-0.2745	-0.6665
0.188	0.311	-1.248	-0.846	-1.05	2.089	-0.573	-0.08	-1.333	-0.478	-0.846	-0.834	-0.159	-0.171	-0.138	-0.586	-1.261	0.891	-1.39	0.336	1.954	1.543	-1.302	-1.248	0.065	0.528	-1.198	-0.904	-0.537	3.052
-0.3135	-0.1975	-0.5425	-0.1735	0.1365	0.1815	0.0115	0.7285	0.8265	-0.2635	0.2535	0.0055	0.7405	-0.2835	0.4095	0.6565	0.4695	0.9385	1.7925	0.1265	0.8005	0.4545	0.7305	-0.7025	0.0125	0.7465	0.6605	1.0715	0.9435	-0.7485
-0.0395	1.2025	-0.0085	2.1175	0.9435	1.5795	-0.1315	-0.5235	-0.6025	0.2325	-0.8755	-0.0625	-0.1255	-0.0765	0.2065	2.5335	-0.1415	-0.4475	-1.5795	-0.8275	0.6265	-0.9735	-1.2855	0.5685	-0.9685	-0.5395	0.0325	-0.9775	-0.1945	0.2885
-1.4875	-1.5055	4.3775	0.6715	2.5565	-2.0955	1.2835	1.8375	-1.2305	-0.0585	-0.7375	0.0185	-1.6165	0.0925	1.1685	-0.3195	0.1175	0.3245	0.0905	-1.2055	0.0665	-0.8035	-0.2465	3.2095	1.9085	1.8275	2.3455	3.1095	0.1675	1.0775
-0.3755	0.6175	0.1475	-0.1445	-0.0845	0.1935	-0.3245	-0.7975	1.0295	-0.0865	0.2165	0.2505	-0.3125	-0.1325	-0.4825	-0.2915	-0.0415	0.2115	1.1545	1.9565	3.0875	-0.0185	-0.0295	-0.5395	0.5655	0.6225	0.3115	0.3955	-0.6625	-0.2015
-0.1795	-0.0595	0.3055	0.0715	0.7415	0.7005	0.5015	0.8185	0.0405	0.0205	0.7235	3.5985	-0.0365	0.1485	0.3005	-0.1105	0.8655	0.4445	0.1905	2.9595	1.6925	0.3055	0.0135	-0.1175	-0.1465	2.0655	0.2235	-0.3215	-0.1345	0.0225
-0.403	-0.024	0.618	-0.045	-0.152	-0.021	-0.19	0.01	0.054	-0.151	0.145	0.237	0.299	-0.094	0.053	0.191	0.454	0.581	0.574	0.332	0.759	0.519	0.1	0.282	0.622	1.116	0.198	0.189	0.258	-0.145
-0.145	1.053	0.413	-0.57	0.757	0.528	0	0.612	0.403	0.484	0.477	0.208	-0.152	0.663	0.507	0.535	-0.06	0.931	-0.732	-0.656	-0.233	-0.481	-1.07	-1.732	-0.979	0.767	-0.195	-0.723	1.268	1.223
-0.077	0.282	1.066	0.328	-0.237	1.046	0.37	0.302	0.977	1.058	0.577	-0.349	0.32	-0.264	-0.121	0.606	-0.002	-0.932	-0.537	-0.728	-0.11	-0.018	0.256	-0.401	0.129	1.64	0.766	1.449	0.058	0.307
-0.064	0.166	0.94	0.304	0.45	-0.232	0.769	0.535	-0.282	-0.359	-0.858	0.763	-0.699	0.908	0.607	1.172	-0.543	-0.163	-0.355	-1.548	0.03	1.029	0.04	0.513	-0.284	0.278	1.267	0.811	-0.075	-0.841
-0.0995	-0.3475	-0.1315	0.5115	-0.0235	0.1065	0.0915	-0.0355	0.2195	-0.0375	-0.2185	-0.0905	0.3125	-0.3095	-0.1565	-0.3385	0.1205	0.0025	0.1195	0.1065	0.1255	0.2225	0.1615	1.2865	0.1165	0.3115	0.1395	0.0335	-0.2595	-0.3455
0.0165	0.8515	0.8085	0.0905	0.3285	0.8525	0.6065	0.7835	0.0555	-0.3175	0.1915	0.7395	-0.0005	-0.0445	-0.1115	-0.5045	0.0265	0.4785	-0.0345	0.1035	-0.1365	0.5055	0.2555	-0.9435	-0.8185	0.1015	0.1945	0.6165	-0.0475	0.2725
1.7745	1.9995	2.8655	1.8585	0.1175	1.9755	1.8925	3.0505	2.6015	2.0955	2.7645	2.7445	-0.1025	2.9445	1.7345	2.1585	1.4745	4.0095	3.2975	3.0605	-0.2965	1.8525	3.5815	-0.3295	2.7515	2.5985	1.6335	-2.6995	-1.0425	-0.2415
0.344	0.37	-0.074	-0.529	-0.07	0.101	-0.463	-0.148	-0.3	-0.716	0.33	-0.489	-0.441	-0.028	-0.096	0.114	0.565	-0.544	0.449	0.046	-0.037	-0.421	0	-1.436	0.158	0.391	0.455	0.519	-0.683	-0.813
-0.048	-0.38	0.347	0.218	-0.383	0.034	-0.453	-0.159	-0.171	-0.058	0.048	-0.277	0.308	0.124	0.194	-0.468	-0.139	-0.242	0.445	-0.026	-0.207	-0.163	0.04	0.282	0.396	0.387	-0.191	-0.27	0.148	0.369
-0.2235	-0.0345	-0.1855	-0.4525	0.7885	-0.0025	0.0025	1.4735	0.3235	-0.3365	0.4425	0.6505	0.3015	0.2825	0.7735	-0.5655	0.1565	1.5815	1.0425	-0.5255	-0.0565	0.1895	0.2735	1.5315	-0.5835	0.0025	-0.1695	-0.6375	1.6615	1.1025
-0.177	-0.417	0.109	0.074	0.027	0.185	-0.009	0.492	0.043	-0.081	0.475	0.084	0.449	0.032	-0.07	0.042	-0.079	-0.049	0.393	-0.463	-0.074	0.33	0.04	-1.171	-0.527	0.039	0.009	0.434	0.021	-0.773
-0.3105	-0.6385	0.0575	0.0235	-0.2045	-0.8205	0.3315	-0.1925	0.1205	-0.2755	0.3875	-0.2515	-0.1595	-0.1015	0.0585	-0.4825	-0.4245	-0.4765	-0.0475	-0.0865	0.6065	0.2785	0.6105	-0.0235	0.2425	0.0975	1.1115	0.9495	0.1765	-0.1575
-0.4685	-0.3335	0.5295	-0.3095	0.1885	1.0995	0.5565	0.6705	-1.2585	0.4295	1.3115	0.3265	0.8605	-0.3395	0.8515	-1.7475	-0.7655	1.5145	-0.5545	-0.9515	0.4415	2.3995	-1.2435	-0.8695	-0.7505	-0.1825	-0.2015	-0.2815	1.2675	-0.0345
0.2395	0.0745	-0.1315	-0.2435	-0.0165	-0.6375	-0.4365	-0.5575	0.1145	0.2255	0.0845	0.4375	0.1885	-0.2535	-0.0845	0.2965	0.1445	0.3035	-0.0975	-0.1575	-0.4465	-0.2365	0.0985	-0.7705	0.3515	-0.2935	-0.5325	-1.0195	-0.4705	0.1735
-0.908	-0.77	0.007	-0.493	-0.223	-0.442	-0.281	-0.292	-0.357	-0.409	0.348	-0.223	-0.534	-0.579	0.245	-0.555	0.489	0.325	0.729	0.334	0.243	-0.075	0.003	-0.154	-0.2	0.008	0.298	0.258	0.163	0.08
-0.919	-0.868	-0.418	0.423	-1.162	-0.421	-0.973	-0.172	-0.983	-0.649	-0.469	-0.657	0.094	-0.535	0.974	-0.296	-1.087	0.052	-1.615	-0.536	-0.912	-0.981	-0.243	-1.248	-0.71	-0.037	-1.066	-0.038	-0.75	0.282
-0.41	-0.64	0.221	-0.073	-0.193	-0.069	0.005	-0.52	-0.278	-0.152	-0.36	-0.085	-0.126	0.009	-0.25	0.188	-0.114	-0.313	-1.205	-0.926	-0.828	-0.14	-0.174	-0.495	0.03	-0.558	-0.255	0.015	0.688	-0.541
-1.234	-1.458	-1.837	-1.333	-0.535	-0.582	-0.932	-1.084	-1.157	-1.692	-1.504	-0.583	-1.081	-1.729	-0.852	-1.189	0.053	-0.784	-0.476	-0.404	-0.94	-0.809	0.051	-1.761	-1.373	-1.649	-1.004	-0.481	0.387	-1.657
0.237	-0.002	0.279	0.388	-0.021	0.074	0.447	0.023	0.224	0.145	-0.179	0.063	-0.165	0.295	-0.028	-0.249	0.217	0.008	0.001	-0.219	0.187	0.076	0.045	-0.304	-0.327	-0.08	-0.314	-0.715	0.483	0.6
0.758	0.487	-0.656	-0.624	0.606	0.321	0.76	1.247	0.953	0.251	0.019	-0.292	-1.265	0.944	0.91	0.305	-0.419	-1.268	-2.743	-3.115	-0.146	1.377	0.904	-1.515	-1.868	-1.998	-0.276	-0.932	1.067	-0.251
-0.69	-0.736	0.912	0.946	0.407	0.29	-0.015	-0.127	-0.55	-0.401	-0.329	0.281	-0.146	-0.089	0.494	1.153	0.936	0.632	0.845	0.099	1.042	0.922	-0.336	0.812	0.963	1.195	1.003	1.355	1.508	0.522
-1.4905	-0.7385	-0.3905	-1.1305	-1.0245	-0.1685	-0.8945	-0.3135	-0.8955	-0.6815	-1.1575	-1.1095	-1.3825	-1.1725	-1.8285	-0.8305	0.4805	-0.2325	-0.7815	-0.2085	-0.7355	-0.3725	-0.1225	-0.3365	-2.0635	-1.4135	-1.4575	-0.4825	-0.5505	-1.4885
2.1685	3.1265	-0.7305	1.1115	-0.4085	1.0905	1.0385	2.0555	1.5735	0.6585	-0.4985	-0.1495	-0.6575	0.8955	0.6925	0.5885	1.4545	-0.5345	4.4635	-1.0505	0.6705	3.9385	1.0525	-1.2105	3.5495	0.9805	0.2295	1.1065	-1.4035	-0.6295
-2.211	-1.859	-0.324	1.269	0.469	-0.763	0.957	0.548	-0.148	-0.552	-0.298	1.097	0.827	0.399	0.852	-0.153	0.851	0.152	0.418	-0.251	0.695	0.98	0.795	0.757	0.788	0.945	1.457	2.054	0.679	-0.888
2.023	3.055	-0.142	-0.373	1.942	-0.665	3.754	4.992	3.521	4.155	0.244	0.666	2.341	2.653	3.631	1.965	0.616	-0.231	-0.435	1.788	-0.95	1.353	3.481	-0.669	-1.2	-0.767	0.07	-0.674	2.53	-1.594
-1.3235	-0.8005	-0.2285	-0.5545	-0.5575	0.2775	-0.8635	-0.6325	-0.3275	-0.2345	-0.0165	-0.7295	-0.3385	-1.0555	-0.5925	-0.2845	-0.1665	-0.3965	0.2335	0.0375	0.0545	-0.0875	-0.0605	-0.9315	0.1975	-0.3625	0.1655	0.4315	-0.2915	-0.3585
-0.296	-0.546	0.26	0.691	0.342	0.49	0.585	0.203	0.593	0.523	1.093	0.175	0.964	0.302	-0.55	-0.011	0.521	0.446	-0.838	-0.508	0.101	0.035	0.423	0.993	0.824	1.141	0.822	0.889	-0.023	1
-0.8215	-1.0725	0.5145	-0.5385	-0.1185	-0.0145	-0.3365	-0.1765	-0.1715	-0.6475	-0.0895	-0.1245	-0.2085	-0.3895	-0.4485	-0.4105	0.3405	0.2195	-0.0295	0.3225	0.5045	0.4545	0.3635	-0.8395	-0.7395	-0.2475	0.3675	0.7015	1.6165	0.5105
0.909	0.223	-0.001	-0.327	-0.266	-0.557	0.02	-0.159	0.258	-0.101	-0.303	0.009	-0.085	0.137	0.377	-0.149	-0.122	-0.853	-0.704	-0.673	-0.352	0.254	-0.426	0.134	-0.15	-0.369	0.007	-0.024	-0.095	-0.268
0.0055	-0.5695	0.4255	1.1805	0.9045	-0.3065	0.9515	0.6895	0.6705	0.3345	0.3325	0.1885	0.2535	0.5335	-0.0385	0.0685	0.0035	-0.2315	0.0005	0.1595	0.6275	0.6335	0.7465	1.2995	-0.1055	0.5405	0.4395	0.7435	-0.3445	-0.4485
-0.784	-0.393	0.701	0.911	1.216	-0.046	0	0.123	-0.076	-0.735	0.57	1.652	1.169	-0.861	-0.325	0	0.462	0.007	1.023	1.488	1.205	0.769	-1.208	-0.522	2.864	3.267	0.437	2.542	-1.018	0.472
-0.907	-0.569	0.737	0.096	1.272	-0.095	-0.191	0.161	-0.166	-0.689	0.593	1.469	1.079	-0.833	-0.16	0.091	0.513	0.474	0.989	1.396	1.276	0.667	-1.053	-0.494	2.69	2.914	0.471	2.301	-1.16	0.262
0.967	0.96	0.171	-0.105	1.431	0.924	-0.416	-0.017	0.13	-0.391	-0.26	-0.448	0.365	0.014	0.253	-0.417	-0.314	-0.445	-0.808	-0.022	-0.025	-0.325	1.169	-1.028	-0.779	0.852	-0.589	-0.75	-0.064	-0.861
-0.7525	-0.6585	0.1975	-1.0555	-0.0485	0.1065	-0.5355	-0.8875	0.0015	-0.1335	-0.1125	0.0245	-0.0575	-0.8855	-0.5095	0.1125	-0.1825	0.2305	-0.2435	-0.7485	-0.3185	-0.4255	-0.3905	-0.9515	0.0485	-0.3925	-0.2845	-0.7075	0.0265	1.0285
-0.5835	-0.4535	-0.0755	-0.2795	-0.8115	-0.1285	-0.6185	-0.4115	-0.1335	-0.0405	0.3445	-0.1415	0.0775	-0.3785	-0.3075	-0.2365	-0.1875	-0.1955	0.0905	-0.3515	-0.2105	-0.3085	-0.2585	-0.5805	-0.5375	-0.2825	0.0495	0.0695	0.1995	0.0235
0.186	0.761	0.84	-0.118	0.162	0.882	0.156	-0.091	-0.358	0.082	-0.556	0.016	0.08	0.159	-0.108	1.934	-0.217	-0.52	-1.182	-0.15	1.77	-0.555	-0.267	-1.125	-0.341	-0.625	0.131	-0.618	-0.813	0.005
-0.1045	-0.8105	0.1525	0.0535	-0.6715	-0.2965	-0.0725	0.3945	-0.4055	-0.7935	-0.3635	-0.0555	0.3025	-0.1535	-0.5115	-0.6725	-0.5445	-0.2275	0.8475	-0.4015	-0.0755	0.3195	-0.3195	0.4345	-0.6565	-0.0955	-0.3015	0.0855	0.0225	-0.4845
-0.163	-0.136	-0.287	0.005	0.138	0.333	-0.28	-0.394	-0.123	0.188	-0.336	0.12	-0.185	-0.325	-0.005	-0.34	0.434	0.145	-0.155	0.017	-0.059	-0.1	0.213	0.312	-0.202	-0.072	0.275	0.123	1.352	0.643
-0.3575	0.8025	-0.2975	-0.5145	-0.6705	-0.4265	-0.3385	-0.5185	-0.6375	-0.7995	-0.8875	-0.7505	-0.2615	-0.5375	-1.0075	-1.1935	-0.7125	-0.4275	-0.2125	-0.9075	-0.1075	-0.3845	-0.4565	-0.6455	-1.0295	-1.0705	-0.8695	-0.7035	-0.3985	-1.4925
-1.261	-0.856	-1.684	-1.869	-1.003	-1.418	-0.998	-1.869	-1.067	-1.319	-1.063	-1.177	-0.066	-1.546	-1.268	-1.241	0.133	-1.499	0.607	0.014	-0.772	-1.379	0.43	-2.575	-1.763	-1.881	-0.823	-0.348	-0.483	-1.502
0.514	0.607	-0.101	0.395	1.118	0.922	-0.669	-0.703	-0.206	-0.167	-0.34	-0.339	0.003	0.165	-0.068	0.16	-0.204	-0.921	0.085	-0.227	-0.14	-0.004	-0.619	-1.171	-0.327	-0.799	0.11	-0.659	0.326	0.214
-0.4255	-2.0755	0.2745	-1.1785	-1.3235	-1.0925	-0.6045	-0.7465	-1.3755	-1.2055	-0.8955	-0.5225	-1.1435	-0.8355	-0.3965	-0.7995	-0.2445	-0.0155	-0.4365	-0.3155	0.0245	-0.3245	-0.1605	-0.6225	-1.8805	-0.5335	-0.6465	0.0055	0.7165	-0.7415
-0.4025	0.2105	-0.4875	-0.3685	-0.2845	0.0645	-0.6645	-0.4585	-0.2375	0.1545	-0.2505	0.0495	-0.2035	-0.1485	-0.1815	0.3655	0.5245	-0.0295	-0.0845	-0.4775	0.0165	-0.1505	-0.0705	0.7815	0.2315	-0.2045	0.5625	-0.0285	0.0565	-0.1195
0.0165	0.7435	1.3445	-0.0535	0.3915	-0.0125	0.1215	-0.1795	-0.0685	-0.0845	0.2765	-0.5765	0.5875	-0.8945	-0.1475	0.3725	0.9955	-1.1355	0.3515	-1.3955	-0.4385	-0.1145	-1.0515	-0.2255	-0.3315	-0.8635	-1.1095	-1.3865	-1.0465	0.3235
0.094	0.38	0.322	-0.21	-0.238	0.53	0.398	0.211	-0.002	-0.219	-0.867	-0.09	-0.119	0.009	1	0.619	0.518	-0.915	-0.584	-0.792	-0.494	0.275	0.006	-0.418	-0.671	-0.376	0.002	0.292	0.01	0.508
0.098	0.159	-0.117	-0.359	-0.096	0.158	-0.334	-0.045	0.067	-0.218	0.019	-0.243	0.028	-0.412	0.942	-0.045	0.353	-0.131	0.581	0.118	0.24	0.087	-0.132	-0.393	-0.249	-0.262	0.476	0.58	-0.099	0.019
-0.256	-0.123	0.121	0.377	0.146	0.107	-0.03	0.281	0	-0.072	-0.269	0.012	0.058	-0.228	0.209	-0.253	0.022	-0.258	0.261	-0.241	0.484	0.32	-0.143	-0.177	-0.425	-0.098	0.298	0.171	-0.093	0
-0.8295	-0.7485	-0.1455	-0.0395	-0.2935	-0.3525	-0.3095	-0.3845	-0.2535	-0.4165	0.2395	0.2045	-0.0195	-0.5545	0.2285	0.2425	0.1355	0.1405	0.1325	0.4015	0.1745	0.0885	-0.2215	-0.3125	0.1545	0.3765	0.2585	0.0725	0.8765	1.1175
0.765	1.313	2.283	-1.722	-1.703	-0.526	-1.224	0.315	-0.811	-0.576	2.126	-0.668	0.15	0.199	0.138	1.684	-0.646	-0.963	0.656	-0.706	-0.611	-2.348	0.552	1.125	-0.427	-0.35	2.744	1.877	-0.372	-1.12
-0.1	0.524	-0.565	0.235	0.218	0.634	-0.846	0.603	0.477	0.113	-0.072	0.387	0.126	1.151	0.152	-0.485	-0.446	-0.511	-0.13	0.473	0.167	0.906	0.904	-0.636	-0.19	0.015	-0.325	-0.184	-0.318	1.293
-0.202	-0.632	-0.045	0.639	-0.268	0.18	-0.108	0.32	-0.151	-0.464	-0.701	0.488	0.47	0.024	0.29	0.003	0.328	0.058	0.233	-0.1	-0.611	0.577	-0.031	-0.21	-0.413	0.371	0.057	0.097	0.427	0.37
-0.5285	-0.7095	-0.7245	0.1305	-0.6155	0.0945	-0.4635	0.0905	-0.2495	-0.1995	-0.1135	-0.0525	0.4095	-0.0655	-0.2665	-0.4395	0.6235	0.4585	0.2305	0.2125	0.2795	-0.1105	0.1335	0.5425	-0.0835	0.4385	-0.5965	-0.3465	0.5745	-0.2105
0.127	-0.375	0.2	-0.514	-0.751	-0.052	0.129	0.364	0.373	0.194	0.249	0.117	0.286	-0.224	-0.294	-0.206	-0.264	0.233	0.149	0.211	0.285	0.381	0.082	-0.753	-1.214	-0.379	-0.438	-0.358	-0.078	0.487
0.5975	1.7725	0.0035	-0.0495	0.3795	0.5835	0.1485	-0.0465	-0.0035	0.1225	0.2685	0.1685	-0.5595	0.1325	-0.6685	-0.7865	-0.6785	-1.4355	-1.0275	-1.5195	-0.0125	0.0235	-1.4335	-1.2285	-1.1235	-0.5935	-0.8805	-0.7505	-0.7585	-0.2785
-0.019	0.283	2.245	-0.387	0.103	-0.107	-0.083	-0.177	-0.478	0.525	-0.416	0.038	-0.103	-0.32	0.455	-0.144	0.444	-0.38	-1.774	-0.766	-1.377	-0.853	-0.549	-0.902	0.06	-0.644	0.744	-0.041	-0.737	0.229

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR95-001- LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-050- LUMINAL	9830-0200 LUMINAL	BR95-003: LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-036: LUMINAL
-0.3405	0.2125	-0.1805	-0.3795	0.0075	0.3815	-0.1295	0.2445	0.3325	0.3185	0.8655	0.0005	0.4945	-0.1745	0.0575	0.7305	0.3065	0.5665	0.2625	1.1165	0.5235	0.0885	0.8665	0.1365	-0.4245	0.4385	0.6655	0.5595	0.2835	1.8415
-0.1815	-0.1985	-0.2085	0.2185	0.1065	0.1605	-0.2715	0.1805	-0.0785	-0.1305	-0.0235	-0.0345	0.1945	0.0565	-0.1465	-0.1625	-0.3825	0.6825	-0.0805	-0.1405	0.5485	0.1825	0.0395	0.1985	0.1015	0.2195	-0.0775	0.0145	0.5995	-0.0095
-0.1525	-0.6255	0.0725	0.5555	0.1935	0.1365	-0.9395	0.3355	0.2845	0.0435	0.5035	0.7255	0.8055	-0.4725	-0.4225	1.1315	1.5075	0.5975	1.5795	1.4295	2.5825	1.1965	0.8455	0.9895	1.2695	1.7285	0.1055	0.5085	0.4755	1.1825
-0.2195	-0.2685	-0.0065	1.9275	1.7625	1.8665	0.9035	-0.4575	2.1995	0.8705	-2.5625	-2.8175	0.1155	0.0665	-0.5235	1.4315	0.2075	-3.0305	-0.4895	-3.0655	-2.7845	2.3905	2.1045	4.2075	-2.5725	-2.5695	0.2875	0.5085	2.2855	2.2125
-0.281	0.32	0.835	0.254	-0.104	1.365	1.013	0.052	-0.799	0.087	-0.398	1.237	-0.06	-0.545	-0.408	0.461	1.249	1.151	-1.24	0.08	-0.118	0.403	-0.214	1.014	1.725	1.372	0.59	1.777	-0.407	0.07
-0.014	-0.039	0.738	-0.681	0.258	0.004	-0.045	0.084	0.531	0.074	-0.352	-0.36	-0.104	-0.084	0.07	-0.33	-0.31	-0.065	-0.382	-0.252	-0.435	-0.264	0.191	1.878	-0.263	0.485	0.079	0.245	-1.042	-0.488
-2.484	-2.412	3.154	1.207	0.513	0.861	1.657	2.271	0.814	1.025	2.605	0.953	0.736	-0.013	-0.966	0.418	0.811	0.461	1.336	0.636	1.557	-2.658	1.336	1.794	2.188	3.194	1.793	2.675	0.71	1.076
1.0165	0.9625	-0.9455	-0.0325	-1.0865	-0.0935	0.7835	3.5365	0.4185	0.0075	3.0515	3.6825	3.2015	0.9325	0.6855	0.0705	4.2365	3.4035	-2.1795	2.1145	0.5415	4.1515	2.0155	2.8245	-1.1775	-1.3785	-0.4585	-1.2685	-0.7245	3.5155
1.322	1.449	-0.924	-1.043	-2.266	-0.399	0.03	1.4	1.596	-0.007	0.821	1.767	1.315	0.965	0.193	-0.206	2.192	2.26	-2.74	1.268	0.251	2.066	0.972	2.079	-1.749	-2.067	-0.991	-1.936	-1.931	1.318
-1.6325	-1.0045	2.7855	-0.8515	1.7085	1.2445	1.4875	0.6535	1.9605	1.2105	0.7545	1.1895	1.0035	-0.6705	-1.1625	-1.2345	0.7895	1.7355	-0.9375	1.3485	1.5615	2.2055	1.0615	2.3145	2.6295	2.0435	2.3805	2.1955	0.4415	1.1065
0.2035	-0.1615	0.0965	-0.0985	-0.1225	-0.2175	0.2075	-0.2695	-0.0865	0.0165	0.9515	-1.0515	-0.1275	-0.2695	0.3155	-0.7225	-0.4935	-0.7765	-0.0475	0.2195	1.1585	0.1125	0.6685	-1.7585	-0.3475	-0.5705	1.4665	2.2025	1.1185	-0.1455
-0.553	-0.377	0.066	-0.122	-0.357	-0.293	0.827	0.464	-0.183	-0.341	-0.356	0.748	-0.141	0.026	0.626	-0.095	1.136	1.11	1.036	-0.277	-0.084	0.951	0.573	0.868	0.067	1.104	-0.026	-0.164	0.132	0.066
0.267	0.085	0.374	-0.03	-0.205	0.362	0.047	0.01	0.234	0.202	0.302	0.056	0.507	-0.137	-0.122	-0.241	-0.413	-0.219	-1.121	-0.202	-0.196	-0.092	0.073	-0.96	-0.307	-0.21	-0.107	-0.195	0.138	-0.098
-1.996	-1.381	-1.324	-2.592	-2.003	-1.488	-1.456	-1.629	-1.42	-2.269	-1.715	-1.02	-1.319	-1.681	-0.406	-0.982	0.708	-0.415	-0.242	-0.857	-0.755	-1.232	-0.033	-2.066	-1.142	-1.645	-0.643	-0.458	-0.522	-2.484
-0.0685	0.0855	0.2735	-0.9225	-0.5695	-0.0815	-0.4965	-0.3895	-0.1125	-0.1155	0.0355	-0.2215	-0.1735	-0.4865	-0.4915	-0.2445	0.0535	-0.1385	-0.0315	0.0645	-0.4735	0.0985	-0.0205	-1.1945	-0.2295	-0.3525	-0.0015	0.0015	-0.0945	-0.3665
0.6735	-0.8425	0.1165	0.3205	0.4655	0.6225	0.4195	0.3075	0.2685	-0.0225	-0.2415	-0.0905	-0.7665	0.0305	-0.0515	-0.2275	-1.0085	0.3115	-0.4815	-0.2815	-0.2705	0.8705	0.6405	-0.5005	-1.1175	-0.6825	-0.1205	0.9625	-0.1815	-0.0215
-0.3985	-0.5685	0.6145	-0.0085	-0.4015	-0.2745	0.0085	0.6535	-0.8415	-0.2265	-0.1865	0.1575	-0.0385	-0.3195	0.0255	0.1655	0.3425	0.8305	-0.1805	-0.6035	0.6765	-0.6275	-1.3785	0.4075	0.4265	1.4595	0.8585	1.4045	-0.0085	-0.4605
-0.522	0.645	-0.842	-0.932	-1.374	-0.505	-0.877	-0.734	-0.838	-0.645	-1.077	-0.63	-0.808	-0.571	-0.692	-0.706	-0.559	0.694	0.268	-0.822	-0.287	-0.607	-0.281	0.077	-0.658	-1.07	-0.192	-0.739	1.153	-1.183
0.87	0.295	-0.489	-0.03	1.201	-0.797	-1.285	0.738	-0.049	0.03	0.13	-1.022	0.415	0.079	0.713	0.53	0.153	0.33	-0.977	-0.706	0.769	0.199	-0.419	-0.771	-0.195	-0.691	-0.231	-1.223	-0.09	0.081
0.678	1.008	0.766	1.14	1.297	0.528	0.802	1.358	0.315	0.112	-0.049	0.66	0.135	0.32	1.797	1.139	1.1	-0.485	-0.014	-0.115	0.08	-0.109	0.102	-0.069	0.998	-0.001	1.315	0.355	-0.339	0.205
-0.214	0.156	0.106	-1.385	-0.911	-0.591	-0.412	-0.564	-0.234	-1.054	0.116	-0.217	-0.44	-0.534	-0.715	0.498	0.206	0.036	0.641	1.056	0.188	-0.493	0.72	-0.793	-0.175	-0.285	0.055	0.14	-0.09	-0.169
-0.1325	-0.0575	-0.0285	0.9615	-0.3745	0.3755	-0.1915	-0.2995	-0.1615	-0.3725	-0.5165	-0.1975	0.1305	-0.3575	-0.1925	-0.0635	-0.0475	-0.0095	0.1115	-0.2695	-0.0915	0.1875	-0.3545	0.3265	-0.3425	-0.2465	0.0665	-0.2245	1.3695	1.0615
-0.6095	0.0115	0.0835	-0.0475	0.0505	0.0275	-0.3755	-0.6765	-0.2545	0.0245	0.1715	-0.3445	-0.4985	-0.0375	-0.6165	0.1025	-0.1675	-0.7065	0.0605	0.1525	-0.0945	-0.2655	-0.7865	-0.6545	-0.4715	-0.8135	-0.4175	-1.1225	-0.4395	-0.3265
-1.138	0.378	-0.65	-0.889	-0.667	-0.433	-0.235	-0.935	-0.814	-0.949	-1.207	-0.852	-0.355	-1.085	0.016	-0.185	0.319	1.322	0.88	0.01	1.314	-0.413	-0.073	0.488	1.309	-0.383	0.207	0.208	-0.251	0.391
-0.27	-0.652	0.258	1.097	-0.443	-0.553	0.1	0.853	0.441	-0.937	-0.97	-0.233	0.811	0.227	-0.274	-0.486	-0.051	0.452	0.689	0.029	-0.151	0.899	0.452	0.746	0.256	0.303	0.541	0.429	0.832	-1.085
0.374	0.145	0.848	0.096	0.134	0.117	0.211	0.594	0.274	-0.027	-0.38	0.716	0.158	0.197	0.207	-0.047	0.255	0.171	0.026	0.012	0.274	0.064	0.262	0.932	-0.416	0.652	0.375	0.598	-0.159	-0.434
-0.0045	0.2235	-0.0625	-0.8505	-0.5045	0.2395	-1.0375	0.4015	0.4025	0.9665	0.2865	-0.3705	-0.5315	-0.5275	-0.4205	-0.8025	-0.6955	-0.0045	-0.4235	0.1495	-0.7715	-1.1955	0.0815	-2.9575	-1.7855	-1.5255	-1.2435	-2.3385	-0.6305	-0.2155
-0.0635	-0.8585	0.5475	-0.5095	-0.6925	0.1475	-0.2785	-0.5085	0.0645	0.0385	0.4265	-0.4735	-0.0225	-0.3495	-0.4145	-0.3965	-0.3955	-0.0485	-0.4375	0.0425	-0.2315	-0.4605	-0.3265	0.0355	-0.0875	-0.2855	-0.2305	-0.2455	0.0265	-0.1315
-0.762	-0.437	-1.023	-1.002	-1.243	-1.234	-0.987	-1.555	-1.176	-0.98	-0.76	-0.903	-0.596	-0.724	-1.149	-1.443	-0.198	-1.119	-0.274	-0.336	-0.235	-1.148	-0.502	-0.931	-1.684	-1.785	-0.835	-0.521	-0.291	-1.05
-0.739	-0.572	-0.427	0.409	-0.128	-0.839	0.381	0.501	-0.153	-0.332	-0.045	-0.143	-0.082	-0.626	-0.031	-0.672	-0.502	-0.892	0.536	-0.158	0.047	0.027	0.188	0.383	-1.291	0.252	-0.028	0.706	0.243	-0.927
0.0715	0.5285	0.3695	0.0765	0.0865	0.0025	-0.0665	0.3675	-0.2625	0.1865	-0.3775	0.0015	-0.3275	-0.1925	-0.1335	-0.1775	-0.1105	0.1015	0.3325	-0.7445	-0.0015	-0.0895	-0.0875	-0.2075	0.4255	-0.1785	0.1365	0.0535	-0.9665	-0.7725
-0.318	0.03	0	-0.179	-0.308	0.514	-0.167	-0.4	-0.148	-0.214	-0.24	-0.175	-0.233	-0.039	0.164	-0.138	-0.273	-0.252	-0.112	-0.645	0.165	-0.315	0.088	-0.866	-0.637	-0.221	-0.548	-0.694	-0.234	-0.395
-0.667	-0.856	-0.394	-0.287	-0.418	-0.306	0.095	0.425	-0.004	0.196	0.242	-0.052	0.592	0.1	-0.154	0.404	-0.135	0.121	-0.043	-0.035	-0.484	0.804	-0.745	0.698	-1.681	0.004	0.028	0.199	0.367	-0.216
-0.347	0.984	0.382	1.753	1.551	0.702	0.877	0.483	-0.68	0.558	-0.006	0.207	-0.664	0.646	0.685	1.152	0.502	0.735	1.195	0.204	1.014	0.033	0.049	1.585	0.463	0.926	0.372	0.266	0.766	0.994
0.2685	0.2485	0.0485	-0.1875	-0.2625	-0.1795	-0.2715	-0.5125	-0.3335	0.0635	-0.1155	0.2735	-0.0185	0.3135	0.2915	0.3965	0.3515	-1.2565	-0.5795	0.0505	-0.5585	-0.5195	-0.3345	-0.2845	0.0215	-0.1635	0.0855	-0.7745	-0.8635	0.4155
-0.1175	-0.0795	0.4795	0.2895	0.3085	-0.0755	-0.0105	-0.1235	0.3555	0.1085	-0.5415	0.4845	0.1225	0.0555	0.0865	0.1635	0.5885	-0.0765	0.0105	-0.2255	0.7355	-0.2475	0.6275	-0.2755	0.0725	-0.0685	0.5615	0.1815	0.1005	0.4205
-0.952	-0.148	-0.284	0.081	0.326	1.785	0.181	-0.093	0.148	0.107	0.013	0.701	0.229	-0.197	-0.19	1.063	-0.377	1.589	-2.309	-1.138	-0.642	0.032	0.02	1.173	-0.314	0.667	0.089	0.332	-0.141	-0.2
-0.5175	-0.4505	-0.1485	0.0025	-0.2255	-0.3825	-0.3895	-0.2615	-0.3195	-0.2665	-0.2135	0.0175	-0.0735	-0.3105	-0.0255	-0.2085	-0.1455	-0.2745	-0.1485	-0.2665	-0.2755	-0.0635	-0.1015	-0.2585	-0.2095	-0.2055	-0.0945	-0.2365	0.0855	-0.0065
-0.2425	-0.0805	2.7625	-0.0985	0.9765	0.7095	0.9685	0.0005	-0.6375	0.4955	-0.4105	-0.3525	0.4155	-0.2735	0.4875	1.7675	-1.3425	1.0675	-0.3985	-0.7005	-0.2265	-1.2125	0.4715	2.9855	0.8535	0.8075	-0.7895	-0.8865	0.1235	0.5595
-0.7075	-0.8405	-0.1795	0.2875	0.3955	-0.2285	-0.4275	-0.0745	-0.0405	0.8275	0.1925	0.4755	-0.2075	-0.4445	-0.2195	0.1665	-0.3225	-0.2475	0.8305	-0.3245	-0.4215	-0.1435	-0.0045	-0.1605	0.4405	0.2235	0.0045	-0.5015	-0.2225	0.4095
0.003	0.889	0.091	-0.482	-1.123	-0.814	-0.096	0.177	-0.251	-0.215	-0.685	-0.843	-0.3	-0.216	0.678	-0.241	0.432	-0.653	-0.454	-0.912	-0.341	0.083	0.742	-0.114	0.496	-0.814	0.567	-0.472	-0.366	-0.03
-0.0895	-0.8415	0.4825	0.7365	0.3665	-0.3155	0.9365	0.8915	1.3575	0.5865	0.2625	1.2455	0.3945	0.4235	0.7455	0.1705	0.3975	1.5405	0.7045	0.3165	-1.1975	1.0425	0.8345	-0.4355	0.6745	0.1495	-0.2325	-1.4535	1.4405	0.8765
-0.798	-0.666	-0.548	-0.265	-0.861	-0.957	-0.718	-0.623	-0.426	-0.324	-0.107	-0.658	-0.197	-0.4	-0.323	-0.689	-0.455	-0.129	-0.242	-0.787	-0.049	0.155	0.3	-0.895	-0.192	-0.27	-0.327	-0.14	0.063	-0.479
0.575	0.402	0.184	-0.423	-0.326	0.182	0.422	-0.085	0.085	0.3	0.062	-0.108	-0.515	-0.019	0.389	0.084	0.281	0.28	0.019	0.057	-0.377	-0.227	0.604	-0.38	-0.034	0	0.273	-0.026	-0.119	-0.267
-0.895	-0.465	-1.088	-0.667	-0.461	-0.648	-0.76	-0.874	-0.104	-1.24	-0.784	-0.586	-0.305	-0.282	-0.545	0.044	-0.742	-0.778	-0.112	-0.55	-0.078	-0.806	-0.171	-0.456	-1.203	-1	-0.974	-0.832	-0.067	-0.752
0.057	0.425	0.765	-0.33	1.01	-0.07	1.14	0.39	1.491	0.48	0.027	1.01	0.88	0.584	0.26	2.39	1.27	2.271	1.98	1.237	1.257	0.59	0.55	0.77	1.08	-0.12	-0.36	-0.93	2.1	1.54
-0.5255	-0.4495	-0.0035	-0.6355	-0.3925	-0.6685	-0.4055	-0.5165	-0.5465	-0.0415	-0.0715	-0.0485	-0.1285	-0.3705	1.3465	0.2025	-0.1615	-0.3375	0.4545	0.5665	0.0945	-0.7095	0.0505	0.9415	0.2055	0.2625	-0.0615	-0.1445	-0.0705	-0.2805
-0.403	-1.009	-0.228	-0.788	-0.422	0.214	0.89	-0.568	-0.253	0.172	-0.548	0.216	1.195	0.018	-0.551	0.173	0.168	0.753	-0.371	-0.425	-0.571	0.315	0.523	1.874	0.536	0.043	0.302	0.424	1.219	1.134
-0.298	-0.384	0.485	-0.17	-0.043	-0.222	-0.215	-0.147	-0.338	-0.027	-0.297	0.049	-0.041	-0.513	-0.285	-0.382	-0.251	-0.315	0.303	-0.311	0.3	-0.179	-0.263	-0.012	-0.024	0.183	0.319	0.234	-0.079	0.536
-0.846	-0.133	-0.566	0.878	0.611	0.93	0.118	0.526	0.591	0.221	0.258	0.21	0.369	0.458	0.341	-0.495	0.2	1.199	0.939	0.557	1.652	1.884	0.804	1.523	1.671	1.261	1.013	1.248	1.218	-0.295
0.2035	0.2855	0.8725	-0.4715	-0.2345	0.2515	-1.1505	0.9555	-1.1775	-0.9615	0.4135	0.6275	0.3455	0.0065	0.1805	1.4595	-0.1925	1.0825	0.6195	1.1005	-0.5825	-1.4445	-0.4525	0.3085	0.4645	-0.5475	-0.0745	0.8275	2.0585	0.5095
-0.3185	0.2325	0.9695	1.4175	0.9745	1.3665	0.9445	1.5235	0.3425	0.2855	0.7875	0.8245	-0.5955	0.8095	0.9015	0.5055	1.2665	-0.8005	-0.2485	-0.7525	1.1375	1.3445	1.3295	0.7345	0.8485	1.6005	1.0495	1.5835	0.0205	0.7225
-1.108	-1.591	-0.389	0.695	0.106	-0.704	0.578	1.6	0.738	-0.042	0.751	-0.155	0.704	0.212	0.085	-0.234	0.179	0.653	1.68	-0.477	0.265	1.659	1.877	2.167	-0.216	0.699	1.813	2.282	2.498	-0.335
-1.204	-2.06	0.363	1.698	0.268	0.582	0.029	-0.38	1.453	1.094	1.182	0.077	1.652	-1.011	0.107	1.506	1.208	-0.911	-0.089	0.576	-1.8	1.598	0.919	0.728	1.404	0.978	1.772	0.681	1.161	0.322
-1.2165	-0.1805	-0.3755	0.0025	-0.0275	-0.7175	-0.3775	-0.1995	-0.5735	-0.4445	-0.1895	-0.0485	-0.2475	-0.2725	-0.0195	0.6215	0.4235	0.0455	0.1775	0.0195	0.5245	-0.3605	-0.1135	0.9255	0.8985	0.5605	0.3985	0.3185	0.3395	0.0915
-0.6405	-1.2295	0.3025	0.6395	-0.4475	-0.1655	0.2055	0.5925	0.2005	0.1115	2.5845	0.2805	0.6955	1.1095	0.1705	0.0845	-0.3605	1.1585	2.2605	1.2005	0.6235	0.6585	0.7325	-0.1315	-0.5935	0.7225	0.8205	1.4585	-0.0415	-0.1815
-0.555	-0.835	-0.594	0.614	0.214	0.448	-0.261	-0.266	0.086	-0.187	1.296	-0.12	0.657	-0.043	-0.053	-0.088	0.191	0.088	0.483	0.028	0.383	0.557	-0.278	0.227	0.074	0.269	-0.031	0.252	-0.126	-0.042
-0.194	-0.005	0.365	-0.352	0.313	0.081	0.421	0.235	0.185	-0.193	-0.275	0.572	-0.172	-0.454	-0.549	0.621	0.174	0.378	0.042	-0.099	0.263	0.45	0.994	1.668	0.61	0.975	0.807	1.311	-0.203	0.257
0.138	0.281	0.311	-0.28	-0.013	-0.022	0.214	0.133	0.12	-0.126	-0.164	-0.415	-0.004	-0.379	-0.257	0.273	-0.073	-0.241	-0.392	-0.152	-0.397	0.14	-0.09	0.457	-0.541	-0.385	-0.052	0.016	0.086	-0.226
0.376	0.894	0.491	0.112	-0.167	0.487	0.133	0.015	-0.416	-0.442	-0.187	-0.512	-0.044	-0.107	-0.521	0.013	-0.76	0.036	0.122	-0.354	0.669	0.134	-0.534	-0.441	-0.133	-0.692	-0.277	-0.357	-1.104	-0.35
0.2575	0.1355	-0.5095	-0.1295	-0.1815	-0.3985	0.0225	-0.3305	0.0335	-0.0535	-0.4765	-0.6595	-0.2425	-0.4695	-0.4305	0.2305	0.0985	0.1855	-0.0655	-0.4345	0.0195	-0.3155	-0.2375	0.1665	-0.3225	-0.5995	0.1845	0.0285	-0.0035	-0.1275
-0.96	-0.969	0.294	-1.169	-1.491	-0.917	-0.562	-0.697	-0.733	-0.96	-0.603	-0.804	-0.925	-0.879	-0.331	-0.252	0.786	-0.071	0.34	0.658	-0.213	-0.588	0.638	-1.072	-0.369	-0.182	-0.634	-0.839	-0.652	-0.91
-0.055	0.172	0.228	-0.527	-0.628	0.187	-0.592	-0.384	-0.177	0.017	-0.252	-0.246	0.042	-0.383	-0.146	-0.291	0.136	0.264	-0.646	-0.252	0.075	-0.546	-0.121	-0.588	-0.324	-0.184	0.285	-0.016	-0.174	0.07
-0.345	0.322	-0.146	-0.446	-0.455	0.301	-0.482	0.121	0.048	0.032	0.072	-0.037	0.007	0.013	-0.265	-0.106	0.123	0.218	-0.096	0.044	-0.097	-0.493	-0.005	-0.225	-0.758	-0.139	0.57	0.262	0.23	-0.307
-0.513	-0.723	1.643	1.426	0.355	0.002	0.468	0.492	1.528	0.784	1.104	1.164	1.043	0.298	1.175	0.521	0.555	1.982	0.948	0.825	0.464	0.796	1.483	0.615	1.627	1.923	1.568	0.381	-0.567	1.34
-0.812	-1.257	0.262	-0.139	-0.726	-0.413	-0.742	-0.705	0.781	0.18	0.512	0.656	1.275	-1.26	-1.087	-0.372	0.174	-0.522	-0.978	-0.368	-0.711	-0.047	0.181	-0.353	0.255	-0.466	-0.417	-0.876	0.008	1.243
0.095	-0.048	0.254	-0.612	0.083	-0.796	-0.228	-0.264	-0.054	-0.311	-0.078	-0.517	-0.22	-0.348	-0.174	-0.143	-0.304	-0.314	0.378	-0.354	-1.017	-0.189	0.014	-0.711	-0.922	-1.296	0.218	0.129	-0.351	-0.849
-0.597	0.312	0.289	0.165	-0.161	-0.171	-0.612	-0.265	-0.542	-0.049	-0.235	-0.086	-0.464	-0.208	-0.024	0.661	-0.034	0.028	0.221	-0.492	0.304	-0.268	-0.645	0.273	-0.367	-0.432	-0.059	0.301	-0.261	-0.273
0.287	-0.06	0.392	-0.338	-0.647	-0.407	0.192	0.286	0.075	0.221	0.152	0.522	0.218	0.083	-0.672	-0.441	-0.326	-0.356	-0.303	1.115	-0.078	-0.297	-0.052	-1.058	0.199	-0.124	0.039	0.433	-1.605	-0.281
-0.387	-1.751	0.152	0.214	0.001	-0.141	0.665	1.235	0.92	-0.555	0.325	2.446	0.489	0.93	0.189	-1.19	1.006	0.852	1.077	2.521	1.152	1.506	0.264	0.241	-1.009	-0.225	0.458	0.739	2.631	2.245
-0.1885	-0.0495	-0.1795	-0.2575	-0.4645	-0.2805	-0.3175	-0.3395	0.0075	-0.3915	-0.1015	-0.2635	0.0685	-0.1575	0.0695	0.2385	0.1495	-0.2375	0.1675	0.0095	-0.0855	-0.0965	-0.1305	0.4565	-0.4675	-0.0805	0.1345	-0.1355	-0.0555	-0.2175
-0.482	0.505	0.721	0.768	0.365	1.027	0.442	-0.349	0.118	-0.057	0.057	-0.147	-0.107	0.228	0.853	-0.264	-0.218	-0.391	-2.245	-1.782	0.237	0.448	1.214	-0.049	0.761	0.271	1.413	1.596	1.103	-0.222
-0.6665	-1.6025	0.2665	-0.1305	-0.5995	0.0175	-0.1895	0.2415	0.2055	-0.0345	-0.4415	-0.3835	0.8045	-0.0985	0.2205	-0.2645	-0.6175	-0.9205	1.0535	-0.2735	-0.7055	0.8195	0.2065	-0.6445	-0.6835	-0.1165	0.4755	0.6805	-0.4495	-0.6585
-0.7775	-0.5905	0.1285	0.7085	0.9285	-0.4625	0.6885	-0.0055	-0.4395	-0.5075	-0.5345	0.6465	-0.3435	-0.0365	0.5935	0.9745	0.7205	0.5225	0.2135	0.5515	0.7985	0.9965	0.7615	0.6795	1.0045	0.9145	0.8885	1.0055	-0.0765	0.6765
0.837	0.352	1.942	-1.206	1.882	0.189	1.185	1.478	0.364	0.455	-0.148	0.78	0.592	1.155	0.27	1.213	1.313	0.989	0.407	-0.433	1.513	1.047	1.153	1.634	1.451	2.348	3.182	3.266	3.881	-0.2

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-7247 LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0504 LUMINAL	9830-0200 LUMINAL	BR95-0035 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
1.252	1.835	0.064	-0.001	0.126	0.052	-0.739	0.095	-1.474	-0.828	-2.106	-1.002	-0.174	0.516	0.544	0.992	0.256	-0.412	-2.674	-1.746	0.165	-2.355	-1.564	-1.963	-2.244	-1.23	0.056	-0.617	-1.755	-0.482
-0.186	0.216	-0.244	-0.001	0.243	0.077	-0.565	-0.139	-0.33	-0.529	-0.9	-0.013	-0.03	-0.345	0.41	0.105	0.69	-0.084	0.276	-0.058	-0.069	-0.696	-0.072	-0.015	0.664	0.144	0.125	0.072	-0.08	0.181
-0.1795	0.4325	0.5185	0.7505	0.5985	0.3575	-0.2095	0.4685	0.1465	-0.0315	0.0845	-0.1695	0.7425	0.1595	0.3655	0.1995	0.1065	0.9135	2.1065	-0.1135	0.3545	0.1435	0.3215	0.1305	-0.7435	0.1445	-0.0405	-0.2975	0.3205	0.0625
-1.431	-0.471	1.426	1.088	1.935	0.755	0.439	0.988	0.365	-0.462	0.475	0.202	-0.606	-0.419	0.348	1.661	1.078	1.963	0.866	1.002	2.151	1.452	0.641	1.433	1.903	2.061	1.311	1.4	0.755	0.626
-0.02	-0.452	-1.499	0.439	-0.436	-0.274	1.157	0.639	-0.15	0.285	0.03	-0.263	-0.12	0.444	0.617	-0.067	-0.636	-0.046	0.477	-0.423	1.124	1.065	0.952	1.829	-0.043	1.354	0.63	-0.442	0.638	-0.541
0.254	0.468	-1.501	0.389	-0.472	0.048	0.977	0.902	0.058	0.005	0.082	-0.408	-0.034	0.57	0.499	-0.337	-1.124	-0.093	0.205	-0.574	0.891	1.107	0.853	1.867	-0.255	1.366	0.635	-0.539	1.06	-0.192
0.047	0.766	0.319	0.85	0.396	-0.484	0.109	1.285	0.022	0.27	0.1	0.241	-0.322	0.531	1.091	0.416	0.378	0.003	0.86	0.11	0.589	0.312	-0.275	0.687	-0.379	0.276	0.162	-0.241	-0.029	0.42
-0.1605	0.2495	-0.0165	-0.4225	-0.2065	0.1205	-0.1945	-0.1515	-0.0215	0.3255	-0.0725	-0.1215	-0.0975	-0.0775	-0.1815	0.0195	-0.1175	-0.0045	3.3285	0.0915	0.2925	0.0105	-0.1965	-0.4655	-0.1035	-0.0775	-0.1025	0.2095	0.0985	-0.2095
0.068	-0.031	0.785	1.139	0.175	0.082	-0.292	-0.461	0.029	0.524	-0.211	-0.038	-0.245	0.07	-0.232	-0.171	-0.145	-0.332	-1.072	-0.21	1.067	-0.087	-0.087	-1.321	-0.027	-0.674	-0.184	-1.281	-0.627	0.165
0.742	0.685	-0.906	-0.296	3.097	-0.738	-0.696	0.37	-0.34	-0.26	-0.528	-1.021	-0.298	0.139	1.202	-0.65	-0.397	0.223	-0.767	-0.568	-0.313	1.404	-0.568	-0.099	2.181	-0.695	-0.515	-0.956	-0.445	-0.848
-0.6255	-0.0655	0.2085	1.0335	0.2675	1.0735	0.2715	1.1735	0.3615	0.4705	-0.8725	-0.5735	0.2995	0.7115	0.5185	0.4035	-0.6715	-0.3385	-0.4495	-0.0745	-0.2415	-1.0085	0.1335	0.9515	-0.6415	-0.6105	-0.7095	-1.3185	0.7205	0.2105
-0.6095	-0.3755	-1.2345	0.3075	0.7025	-0.0305	0.8315	0.6935	0.3565	0.0065	-0.0065	-0.1915	-0.2405	0.4145	1.2485	0.7785	2.3235	0.3195	-0.3535	1.0625	1.1115	0.5685	0.5225	2.2755	0.6785	0.8155	2.1365	2.9405	1.3695	-0.4425
-0.371	0.21	-0.308	0.292	0.001	0.596	0.592	-0.317	-0.018	-0.432	0.016	-0.023	-0.206	-0.348	-0.22	-0.489	0.471	-0.499	0.946	0.191	0.498	0.357	0.523	-0.64	-0.31	-0.245	-0.143	0.369	-0.053	-0.516
-1.187	-1.09	0.268	-0.213	-0.331	0.464	0.279	0.997	0.871	-0.171	-0.815	0.826	0.735	-0.315	0.263	-0.239	0.194	1.554	1.771	0.516	0.98	1.064	1.062	1.693	1.52	1.366	1.18	1.551	0.786	-0.437
2.0575	1.2545	1.0835	-0.9335	-0.0645	1.8075	1.3015	4.0765	-0.3405	0.4185	0.2865	1.0065	0.8235	1.2355	2.7415	0.3055	0.9765	-0.4035	-1.2085	-0.0705	0.1575	-1.9605	-0.3805	-1.4185	-1.7915	-1.8795	1.1235	-1.0765	-0.7285	0.0375
-0.708	-1.032	-0.278	-0.578	0.029	-0.669	-0.037	0.08	-0.146	-0.221	0.356	0.33	-0.007	0.297	0.251	0.387	2.014	0.629	0.929	-0.275	-0.976	1.324	0.357	-0.017	2.27	1.076	0.939	1.368	0.2	-0.172
-0.3045	0.0175	-0.1355	-0.1435	-0.0085	-0.2125	0.0275	0.5135	-0.1835	-0.0955	0.0505	4.4155	2.9835	-0.0305	0.0785	1.8535	0.3735	1.1475	6.8185	4.7175	0.1855	0.2505	0.1425	-0.0475	-0.0325	0.8235	0.5685	1.8275	0.8795	-0.0015
0.3825	-0.3725	0.4885	-0.4205	-0.2625	0.9685	-0.1265	0.8105	0.2825	0.2885	0.2085	-0.3245	0.3195	-0.0505	0.4945	-0.3925	0.0115	-1.7215	-1.3695	-1.1845	-0.2495	0.2355	-1.0015	-1.3225	-0.7925	0.0805	-0.4355	-0.6485	-1.1045	-0.4485
-0.8275	-0.8195	-0.2255	0.4225	-0.3335	-0.4835	-0.1645	-0.3065	-0.6305	-0.5135	-0.4135	-0.0205	-0.5535	-0.4785	-0.2325	0.1745	-0.0445	-0.4425	0.3085	-0.6755	-0.1325	-0.2985	-0.0375	0.1725	0.0575	-0.1135	-0.0085	0.3925	0.0255	-0.1885
-0.527	-0.51	1.038	-0.142	-0.369	0.797	0.056	0.083	-0.262	-0.192	1.44	0.002	-0.066	-0.718	-0.584	-0.517	-0.148	0.168	-0.974	-0.653	0.365	0.054	-0.197	0.291	-0.126	0.781	0.184	0.123	1.315	0.999
-0.168	-0.443	-0.077	2.229	0.906	1.881	-0.368	-0.06	1.547	0.816	0.045	0.205	0.841	0.626	-0.029	0.285	0	0.102	-0.059	0.865	-0.557	-0.143	0.417	-0.108	0.729	0.758	0.119	-0.116	-0.237	-0.355
-0.0135	0.0135	1.2465	0.3945	0.0345	-0.2855	-0.6355	-0.1855	-0.0695	-0.0355	-0.4925	-0.4155	-0.4555	0.1565	-0.1355	-0.4155	-0.2955	-1.0725	-2.1855	-1.9245	0.5835	-1.2155	-0.0155	-1.2955	-0.4555	-1.9155	0.3945	-0.2955	-0.7855	0.4045
-0.087	0.851	-0.42	0.675	0.539	0.118	-0.432	0.514	0.393	0.628	-1.109	-0.411	0.324	-0.024	0.264	-0.224	-0.402	-1.42	2.156	0.878	0.113	0.665	1.144	-1.459	1.062	-0.503	0.622	0.352	-0.619	-0.508
-0.4605	-0.6135	0.8365	-0.0455	-0.5015	-0.0005	0.2675	0.4315	0.1845	-0.0575	-0.2085	0.4895	-0.4875	-0.1575	0.5295	-0.3165	-0.5045	0.5275	-0.0465	-0.1165	0.7775	0.8105	0.6385	0.2705	-0.2045	0.7015	0.5235	0.5365	-0.2015	-0.3645
0.177	0.471	-0.192	0.176	0.381	-0.419	0.062	-0.177	0.099	0.356	-0.061	0.216	0.067	-0.037	0.19	0.173	0.412	0.018	0.12	-0.033	0.233	-0.172	0.181	0.284	0.465	0.176	0.309	-0.217	-0.336	0.025
2.2355	2.8825	1.3525	0.4435	-0.1935	0.3485	0.8415	1.2115	-0.4355	-1.2235	-1.0115	-0.4445	0.8695	2.3025	1.8425	1.1315	1.1835	0.1055	0.1425	-0.0025	1.0485	-1.7505	-1.4485	-0.3275	2.2735	0.0535	1.8765	3.3855	-0.2255	-0.7985
-0.879	-0.66	-1.949	-1.542	-1.198	-1.113	-1.062	-1.25	-0.815	-0.961	-0.911	-1.086	-0.671	-1.027	-0.642	-0.427	-0.39	-0.574	-0.522	-0.502	-0.683	-0.539	-0.191	-0.992	-0.956	-1.441	-0.877	-1.279	-0.218	-1.678
-0.207	-0.724	0.072	-0.614	-0.218	0.168	0.27	0.139	-0.074	-0.752	0.196	0.337	-0.307	-0.529	-0.22	-0.64	-0.523	1.091	3.047	0.543	0.601	0.172	-0.184	0.078	0.267	1.749	-0.639	-1.003	1.088	1.131
-0.1075	-0.5015	-0.8775	-0.3855	-0.4245	-0.8535	-0.4845	-0.7705	-0.4765	-0.1285	-0.1795	-0.5265	0.0225	0.0005	-0.5635	-0.2055	-0.2405	0.0665	-0.3525	-0.3345	0.0625	-0.4965	-0.5295	-0.3935	-0.7625	-0.5715	-0.5535	-0.9965	-0.4675	-0.3375
-0.055	-0.988	1.277	1.709	0.692	0.432	2.095	1.805	0.926	0.324	1.508	1.026	0.182	0.663	0.507	0.663	0.099	0.279	-0.802	-0.07	-0.444	0.873	1.729	1.549	-0.165	1.04	1.384	1.677	0.57	-0.473
-0.5075	0.2965	0.1365	0.1235	0.2795	0.7455	0.0965	0.4015	0.0795	0.2555	-0.1075	0.3045	0.1855	0.0765	-0.1925	-0.3265	-0.3335	0.6665	0.1835	0.3065	-0.0405	0.1985	-0.0065	0.1075	-0.3825	0.2885	0.0925	0.2415	0.1295	0.4595
0.48	0.007	0.521	-0.323	-0.754	1.238	-0.347	-0.288	-0.87	0.454	-0.344	-0.595	0.061	-0.017	-0.558	-0.86	-0.486	-0.357	-0.66	-0.927	-1.106	-1.085	-0.955	-0.107	-0.923	-1.135	-0.893	-0.878	-0.559	-0.815
-0.0115	0.8245	-0.3475	0.0575	-0.5835	0.5935	0.5115	-0.5155	-0.0425	0.6835	-0.1785	-0.4325	0.7245	-0.1155	-0.2155	-1.0385	-0.2535	-0.1585	-1.3655	-0.8825	-0.1975	-0.9815	-0.6965	0.0255	-0.3045	-0.7205	-0.1705	-0.1395	-0.8905	-0.6285
0.0835	-0.1115	0.4195	0.6695	-0.0055	-0.4905	0.0845	-0.4255	0.1005	0.7425	-0.1345	-0.1855	0.0145	0.0255	-0.0475	-0.0575	-0.0285	-0.1285	0.0085	-0.2765	0.0115	-0.2765	-0.1375	0.0945	0.3145	-0.1675	-0.2155	-0.1505	-0.2375	-0.1095
0.0055	-0.0785	0.5665	-0.0425	-0.0055	0.3365	0.2205	0.3945	0.1095	-0.0925	-0.0135	-0.4425	0.2575	-0.1285	-0.7125	-0.7385	-0.7075	-0.3515	0.2045	0.1345	-0.0815	0.4675	-0.1475	-0.8595	-0.7505	-0.1275	-1.1525	-0.4375	-0.4545	-0.0615
0.5925	1.2265	0.4575	-0.4185	-0.0125	0.6615	0.0405	0.6535	0.7615	0.5485	1.4005	0.2605	-0.3915	0.7035	0.5875	0.9155	-0.1625	0.2425	-0.0305	-0.1315	0.2665	0.2425	-0.4085	-0.6895	-0.5745	-0.0595	0.0105	-0.3995	0.0315	0.1045
-1.078	-0.822	-0.791	-1.017	-1.053	-0.659	-0.526	-0.701	-0.79	-1.083	-1.506	-0.832	-0.453	-2.106	-1.329	-0.544	-0.473	-0.75	0.195	-0.276	-0.214	-0.666	0.044	-1.246	-1.455	-1.512	-1.314	-0.497	-0.513	-1.286
-0.4855	1.8845	-0.2365	-1.1015	-1.4225	-0.5255	-0.7785	-0.9565	-0.8035	-1.0315	-1.3445	-1.2025	-0.4545	-1.2315	-1.0435	-0.8535	-0.0035	0.0035	0.5975	-0.6095	0.0075	-0.9975	-0.2055	-0.9745	-1.2265	-1.3935	-1.2925	-0.9735	-0.8835	-0.7465
-1.3195	0.7005	-1.5205	-1.8345	-1.0585	-1.0915	-1.1125	-0.8745	-0.7485	-1.5805	-1.4155	-1.4345	-0.8775	-1.9315	-1.5545	-1.4105	-0.0095	-1.2515	1.1495	2.8185	-0.8985	1.3255	0.0095	-2.3055	-1.4315	-1.7585	-1.1885	-1.0325	-0.8095	-0.9265
-1.6635	-1.5105	-0.9265	-1.9815	-1.4765	-1.7495	-2.2035	-1.4935	-1.6115	-1.8675	-1.5825	-1.4685	-1.3495	-1.9085	-0.9715	-1.5005	-0.4245	-0.5095	-1.4965	-0.8685	-1.1845	-1.5725	-0.0625	-1.4985	-1.4555	-1.9435	-0.5995	-0.7355	-0.1835	-1.7695
0.258	-0.888	-0.523	-0.716	-0.959	-0.225	-0.808	-1.026	0.098	-0.457	-0.683	-0.591	-0.384	-0.02	0.096	-0.452	-0.628	-0.562	-1.426	-0.183	0.048	-1.542	-0.668	-1.55	-1.403	-1.265	-0.021	-0.473	-1.717	-0.787
-0.432	-0.34	-2.042	-1.628	-1.845	-2.31	-2.782	0.116	-0.945	-2.882	-0.57	-0.031	0.461	0.053	0.802	1.241	-1.608	0.748	0.515	-0.437	-0.314	0.803	-0.46	0.6	-0.3	0.422	-1.909	-3.734	0.95	-0.577
0.4015	0.8615	0.5735	-0.1775	-0.5955	-0.1475	0.2005	1.7145	0.9695	0.3885	0.7625	-0.2725	-0.4875	0.0775	1.8685	1.3185	0.7665	0.1905	-1.1625	-1.2955	-1.3845	-0.3155	-0.1955	-1.4695	-0.0475	-0.5965	-0.3445	-2.0365	-0.6685	-0.8735
-0.458	0.189	-0.082	-0.625	-0.406	-0.452	-0.651	-0.515	-0.57	-0.298	-1.099	-0.233	-1.072	-0.509	-0.282	0.035	0.638	0.464	-0.573	-0.874	0.292	-0.288	0.178	0.86	0.16	-0.217	0.294	-0.222	0.549	0.828
-0.2265	-0.6895	-0.5115	0.2515	-0.1885	-0.8185	-0.3535	-0.6295	-0.1035	0.5345	0.2805	-0.6465	0.3775	-0.2775	0.0075	-0.0655	0.1705	-0.0265	-0.1615	0.1995	-0.1835	-0.0385	0.0905	-0.0495	-0.1255	-0.3515	-0.1355	-0.8905	-0.2445	-0.5445
-1.1335	-1.1555	-0.2475	-0.8305	-0.7045	-0.3335	-0.5445	-1.2395	-0.5125	-0.1565	-0.3685	-0.3635	-0.3325	-0.6485	-1.4835	-1.0955	-0.0635	-0.3605	0.2715	0.1675	-0.6075	-1.0165	-0.3605	-0.3635	-1.1245	-1.0785	-0.9795	-0.7475	1.0345	0.0165
-0.9085	-0.1175	-0.1205	-1.1725	-0.6925	-0.9085	-0.4435	-0.8315	-0.4595	-0.8615	-1.3355	-0.4235	-0.7605	-1.5755	-0.7545	-0.6655	-0.3575	-0.3595	0.0625	-0.4265	-0.4305	-0.0505	-0.2875	-0.6795	-0.7995	-1.2045	-0.5045	-0.1765	-0.2475	-0.9105
-0.227	-0.512	-0.823	-1.093	-1.638	-0.268	-1.076	-0.857	-0.614	-0.95	-1.46	-0.677	-0.839	-1.08	-0.093	-1.135	0.028	0.548	0.358	-0.882	0.222	-0.867	-0.267	-0.495	-0.854	-0.926	-0.401	-1.037	-0.547	-0.453
-0.228	-0.124	-0.185	-0.188	-0.249	0.222	-0.3	-0.26	-0.416	-0.227	-0.439	-0.416	-0.057	0.221	-0.224	-0.32	-0.385	-0.552	-0.771	-0.13	-0.246	-0.449	-0.733	-0.699	-0.366	-0.306	-0.318	-0.118	0.251	-0.164
-1.3635	-1.4995	0.2935	-0.5625	-0.3095	-0.2785	1.4635	0.8695	0.7975	0.0705	1.2495	1.5905	0.5805	-0.0545	0.0135	0.1245	1.5465	1.5665	2.0975	1.4485	1.0495	0.9365	1.6105	0.0095	1.4055	2.4995	1.4165	1.5215	0.7395	0.5235
0.021	-0.829	-1.243	-1.015	-0.818	-0.539	-0.734	-1.154	-0.446	-0.255	-1.175	-1.135	-0.989	-0.969	-1.061	-0.976	-0.731	-0.488	-0.045	-0.81	0.054	-1.301	-0.586	-0.983	-1.091	-1.444	-0.958	-0.795	-0.194	-0.973
0.104	-0.766	-1.016	-1.113	-0.912	-0.546	-0.716	-1.07	-0.686	-0.327	-0.296	-0.498	-0.273	-0.416	-0.755	-0.565	0.189	-0.626	-0.163	0.024	-0.366	-0.931	-0.211	-0.469	-1.354	-1.562	-0.648	-0.538	-0.282	-0.762
-1.661	-2.05	-1.898	-1.504	-0.987	-1.118	-0.722	-1.547	-0.834	-1.505	-1.03	-1.742	-1.003	-2.232	-1.312	-1.254	0.232	-1.392	0.068	-0.272	-0.454	-1.024	0.303	-2.329	-0.697	-1.649	-0.712	-0.159	-0.469	-2.116
0.391	0.213	0.062	0.008	-0.176	-0.162	-0.454	-0.402	-0.337	-0.084	-0.292	0.009	-0.167	-0.267	0.351	0.378	0.432	0.114	-0.062	-0.273	-0.482	-0.511	-0.076	-0.697	0.63	-0.258	-0.606	-1.55	0.27	0.299
0.1505	0.2365	-0.1405	0.2575	0.5395	-0.2135	0.1025	0.4105	0.0385	0.1585	0.2375	0.3165	-0.0015	0.5555	0.9855	0.9355	0.2795	1.9035	0.5645	-0.2305	-0.0225	0.0745	-0.1435	0.4895	0.0935	-0.0495	0.2885	0.0625	-0.6915	-0.3735
0.0045	-0.0045	0.4875	0.0325	0.3815	-0.1405	0.4185	0.5935	0.0575	-0.5005	-0.5345	0.1815	-0.0995	0.1715	-0.3275	-0.5865	-0.5325	0.1205	0.3905	0.1265	0.2345	0.2755	-0.2115	0.8595	-1.7795	-0.5385	-0.1935	-0.0725	0.1415	0.1375
0.907	0.398	-0.467	-0.585	-0.263	1.255	-0.491	-0.392	0.816	-0.833	0.497	0.078	-0.529	0.535	-0.485	1.802	-0.383	-0.63	-0.628	0.316	0.113	-0.762	-0.352	-0.473	-0.821	-0.407	-0.591	-1.041	-0.997	0.2
-0.3445	-0.1025	0.2215	-0.8905	-0.9215	0.0285	-0.5155	-0.8255	-0.1625	-0.4265	0.4605	-0.8495	-0.0715	-0.7805	-0.7515	-0.3415	-0.8765	0.1665	-0.5425	-0.6185	-0.6675	-0.0265	-0.4715	-1.5305	-1.0325	-1.1605	-0.3885	-0.7195	1.1235	0.0035
0.2065	-0.5685	0.1285	-1.2765	-0.8255	-0.1725	-0.2265	-0.0655	0.2815	0.0825	0.4845	0.1435	-0.2515	-0.5565	1.6605	-0.3115	0.6795	-0.2235	0.3775	0.3755	-0.1665	0.0425	0.2575	-1.0675	-1.1625	-0.6195	-0.1095	-0.3325	-0.1205	0.2095
-1.1945	-1.3825	0.3635	-0.9965	0.2935	0.1725	-0.0735	0.8925	0.5035	0.0375	0.7505	-0.1695	-0.2535	-0.4665	-0.8715	0.6335	0.2705	0.7125	-0.3795	0.7995	0.4975	1.7505	0.2805	0.9725	0.2285	0.5815	0.4455	0.6675	0.4045	-0.4665
-0.598	-0.284	0.723	-0.492	0.755	-0.61	0.536	-0.394	0.525	-1.133	0.047	0.159	-0.314	-0.134	-0.553	0.703	1.941	0.327	-0.011	-0.211	-0.11	1.261	0.446	1.203	0.826	0.327	0.868	0.477	0.683	0.257
0.792	1.215	0.154	0.408	0.627	-0.37	0.013	1.677	1.759	0.81	-0.08	1.151	0.081	1.584	1.441	0.293	0.662	1.761	0.158	-0.19	-0.06	0.476	1.682	-0.071	0.331	1.856	1.427	1.395	0.536	0.777
-0.107	0.213	-0.407	-0.759	-1.187	-0.565	-0.266	-0.304	-0.347	-0.742	-0.307	-1.346	-0.307	-0.367	-0.952	-1.16	0.167	-0.337	-0.241	-0.127	-0.197	-1.011	-0.074	-0.938	-0.597	-0.763	-0.246	-0.02	0.279	-0.954
-1.3695	-0.0755	-0.3795	-0.6825	-0.7795	-0.7705	-1.1845	-0.8425	-0.6155	-0.9735	-2.0765	-0.2695	0.2685	-0.9765	0.0005	-0.1225	0.4025	-1.5945	-0.5025	-1.7395	-0.4035	-1.0175	0.1405	-0.6795	0.0925	-0.4275	-0.6125	-1.2755	1.1185	-1.4125
-0.473	-0.292	-0.028	-0.269	-0.122	0.228	-0.514	-0.725	-0.482	-0.452	-0.602	-0.125	-0.003	-0.689	-0.074	0.237	0.129	-0.028	-0.121	-0.532	-0.052	-0.467	-0.146	-0.057	-0.167	-0.081	0.49	0.746	0.182	0.123
-0.745	-0.28	0.167	0.082	-0.022	-0.016	0.007	0.243	0.039	-0.325	0.161	-0.391	0.166	0.041	0.332	0.537	0.348	0.79	0.689	-0.237	0.657	0.292	0.471	1.027	0.005	0.748	1.015	1.085	0.628	0.442
-0.18	-0.037	1.601	-0.208	-0.495	-0.725	-0.117	0.964	1.332	1.377	1.741	0.113	-0.699	2.852	1.341	1.203	-0.001	-1.696	2.365	-1.013	-0.759	1.333	-0.978	-1.629	-1.451	-1.095	-0.154	-1.853	-0.507	-0.929
1.353	0.448	-0.228	0.38	-0.568	0.814	-0.216	-0.022	2.542	-0.381	1.391	-0.685	1.264	0.92	0.386	-0.365	-0.518	-1.496	0.4	1.318	0.513	3.449	1.339	-1.529	1.076	-0.14	-0.011	0.479	-1.349	-0.598
0.814	0.83	-0.426	-0.127	-0.678	-0.284	-0.329	-0.729	-0.596	-0.47	-0.44	0.071	0.055	-0.183	0.402	0.102	0.013	0.138	0.908	-0.314	-0.656	-0.098	0.119	0.078	0.429	0.268	0.042	-0.083	0.095	-0.572
-0.165	-0.508	-0.026	-0.108	0.095	-0.4	0.003	-0.044	-0.079	0.217	0.014	0.018	-0.091	-0.008	-0.022	0.062	-0.055	-0.003	-0.218	0.061	-0.294	-0.454	-0.138	0.032	-0.077	-0.179	-0.246	-0.311	-0.06	-0.055
0.39	0.205	0.411	-0.021	0.002	-0.343	0.204	-0.109	0.214	0.397	0.312	0.314	0.159	-0.057	0.024	0.322	-0.062	0.141	1.009	0.299	0.093	1.394	0.267	-0.255	0.01	-0.052	-0.025	-0.28	-0.003	-0.002
-0.1455	-0.2575	-0.2365	0.2765	0.2695	-0.4165	0.0415	-0.2665	0.1275	0.5765	0.2145	0.0315	-0.0165	0.1015	-0.2095	0.2115	0.0305	0.0275	-0.0045	0.0665	-0.1165	-0.2185	-0.0805	0.2915	0.3365	-0.0995	-0.1035	-0.0825	0.0135	0.6945
-0.249	-0.327	0.899	0.997	0.934	-0.097	0.811	0.456	0.295	0.081	-0.019	0.145	-0.199	0.122	0.03	0.002	-0.018	-0.111	0.693	0.001	0.805	0.831	0.032	1.035	-0.104	0.236	0.073	0.252	-0.016	0.017
-0.1365	0.4225	0.1655	0.1985	-0.0835	0.0275	0.4945	0.2555	0.1435	0.1465	0.0445	0.0765	-0.0035	-0.2455	-0.1565	-0.1865	-0.0445	-0.1455	0.0595	-0.0585	-0.3615	0.2525	-0.0275	-0.0885	0.0065	0.1075	0.1815	-0.0025	-0.0475	-0.1655
1.007	1.772	0.556	0.314	0.22	1.435	0.656	1.142	1.219	0.881	0.78	0.689	0.798	0.495	0.408	-0.054	0.883	0.75	0.082	0.992	0.195	0.366	0.397	-0.165	0.112	1.024	0.393	0.173	0.52	0.481

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-001(LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-050(LUMINAL	9830-0200 LUMINAL	BR95-003! LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-036: LUMINAL
-0.5585	-0.8065	-0.2315	-0.0355	-0.1185	-0.5875	-0.1985	-0.2065	-0.0575	-0.4425	-0.0205	-0.2215	-0.1315	-0.0455	-0.0525	0.0865	-0.2925	0.1815	0.5155	-0.5125	-0.1665	0.4925	-0.1845	0.3535	-0.3735	-0.3245	-0.3805	-0.3225	-0.4305	-0.3205
-0.1945	-0.4245	0.3725	-0.0495	-0.2075	-0.2485	0.3875	0.4835	0.1575	0.0005	0.1555	0.9585	0.4505	0.2315	0.0995	-0.2525	0.3305	0.0935	0.2595	-0.0835	0.1455	-1.3335	-0.5515	0.6535	-0.9775	0.0435	-0.4325	-0.1185	0.3365	0.5065
1.1505	2.1595	0.9905	-0.1515	-0.0965	-0.1265	-0.0245	0.5635	-0.3315	0.1065	-0.1405	0.3675	-0.4355	0.9745	0.6485	1.2585	0.3805	1.8345	-1.2015	-1.2815	-0.2905	-1.2295	-1.3635	1.3115	-0.3005	-0.4195	-0.3145	-0.9635	1.8785	1.0975
0.0385	0.3975	-1.9095	-0.1705	-0.6215	-0.6165	-1.4485	-0.2335	-0.5095	-1.0205	-1.0765	0.6415	-0.3975	-0.5275	-0.7165	0.9965	0.3775	0.0875	1.3935	0.6835	-0.1065	-0.5015	-0.9165	-1.9375	0.3445	-1.5685	-0.2675	-0.8685	-0.0115	-1.3375
-0.35	-0.409	-0.22	0.276	0.371	-0.433	0.036	-0.429	0.044	-0.541	-0.888	-1.097	-0.499	-0.478	-0.542	-0.791	0.267	-0.482	0.587	-0.352	-0.004	-0.04	0.269	-0.074	-1.272	-1.251	-0.288	-0.091	-0.493	-1.335
-0.847	-1.406	-0.387	-0.491	-0.287	-1.262	-0.376	-1.443	-1.667	-1.131	-1.627	-0.942	0.122	-1.352	-0.944	0.104	-0.207	-0.421	-0.386	-0.564	0.326	-1.344	-0.131	0.725	-1.717	-1.503	-0.633	0.024	-0.018	-0.85
-0.379	-0.975	0.122	-0.491	-0.545	-0.035	-0.578	-0.092	-0.362	-0.21	-0.146	0.077	-0.261	-0.124	-0.451	0.193	-0.185	-0.4	0.653	-0.263	-0.665	-0.422	0.224	-0.788	-0.601	-0.478	-0.527	-0.495	-0.248	-0.34
0.0115	-0.4125	-0.0255	0.0055	0.1585	0.2765	-0.1985	-0.1855	-0.1395	-0.6715	-0.5235	0.3475	-0.5285	-0.9985	0.6395	-0.5135	0.7255	-0.4755	0.5455	0.3015	-0.8975	-0.0005	-0.0825	-0.3435	-1.6275	-1.1215	-1.0045	-0.7225	1.3705	-0.7005
-0.4535	0.7505	-0.6845	-1.0985	0.7545	-0.5245	-0.8435	-0.0625	-0.8835	-0.7925	-0.4885	-1.3365	-0.9145	-0.2555	0.1205	0.6535	-0.8335	-0.0765	-1.2005	-1.3155	0.0025	0.6565	0.3825	0.3445	-0.0175	-0.9055	-0.0205	-0.2115	1.7755	0.4875
-0.4725	1.1995	0.3685	-0.5735	0.9755	-0.5125	-0.9685	-0.6195	-0.8325	0.2225	-0.7505	-0.9105	-0.7545	-0.8065	-0.4815	-0.0255	-0.2775	-0.6475	-1.2695	-1.8825	-1.4885	0.0255	-0.1035	0.9305	-0.0515	-0.4485	0.4235	0.3145	0.2775	-0.0705
0.8095	0.2005	1.4915	1.7405	-0.5835	-0.3655	1.0495	1.9985	-0.5835	-0.1715	-0.3265	0.0935	0.0435	1.4585	1.6975	1.0005	0.5755	-0.2335	-0.0195	-1.0335	-0.8735	0.5755	-0.6005	-1.1085	-0.7995	-0.9965	2.0225	1.3765	0.9955	-0.9555
-0.626	1.693	2.612	2.376	1.382	1.803	3.432	1.312	1.392	0.169	0.535	-0.044	-0.084	0.185	-0.424	-1.506	1.143	2.004	2.096	0.319	1.939	2.158	2.312	1.276	0.257	0.668	0.411	0.344	-2.509	-0.658
0.0785	0.3785	0.2075	0.0925	0.5915	0.2515	1.5065	3.4925	1.6095	0.1055	2.0815	-0.3465	0.8155	0.1475	1.7025	-0.0835	1.5885	2.2315	1.7945	-0.6285	-0.2635	2.6035	3.5525	0.8545	-1.0155	0.9405	2.1815	0.2735	3.1025	2.8155
-0.0405	-0.3995	0.0255	-0.2775	-0.1635	-0.5115	0.1095	-0.2135	0.0945	-0.3305	-0.2255	0.0765	0.0595	-0.2725	-0.1325	-0.3965	-0.5765	0.1315	-1.2395	-0.0655	-0.2055	-0.0795	0.1415	-0.2645	-0.4575	-0.0445	0.2595	0.0175	0.0705	-0.5295
-0.646	-1.181	0.053	-0.262	-0.283	0.149	-0.128	-0.217	-0.019	-0.068	0.689	-0.085	-0.139	-0.175	-0.686	-0.379	0.004	-0.781	0.405	0.413	0.177	0.29	-0.396	-0.797	-0.796	-0.416	-0.064	0.102	0.229	0.167
1.3345	1.4665	1.7665	1.2165	1.3265	1.9605	0.6345	0.6265	1.2885	0.2115	0.8805	-0.1165	0.2045	1.5305	0.2715	1.5195	0.4415	-0.1105	1.5955	-0.8035	0.5155	1.8195	-1.1335	-0.0035	-1.0685	-1.4785	-0.0555	-0.1405	-0.9435	0.3115
-0.018	-0.149	-0.018	-0.069	-0.129	-0.518	-0.112	0.398	0	-0.46	-0.174	-0.364	-0.029	-0.134	-0.498	-0.461	-0.081	0.142	0.284	0.164	-0.225	-0.017	-0.238	-0.095	-0.792	-0.694	0.418	0.346	0.081	0.13
-0.09	-0.3	0.81	-0.546	-0.189	-0.019	-0.454	-0.512	-0.48	-0.659	-0.12	-0.373	-0.855	-0.34	-0.49	-0.632	-1.083	-0.22	-0.472	-0.59	-0.38	-0.328	-0.72	-0.402	-1.572	-1.267	-0.768	-0.543	0.441	-0.327
-0.3795	-0.9995	0.6085	0.3115	0.1055	-0.2125	-0.0175	0.3815	-0.1645	-0.3765	-0.0375	-0.2605	-0.5245	-0.0885	-0.3985	-0.9425	-1.2795	-0.0145	0.1945	0.3645	0.1295	1.9505	0.1715	-0.0775	-1.0595	-0.4655	-0.7795	0.3715	-0.8345	-1.1475
-0.228	0.503	-0.42	0.011	-0.241	-0.554	-0.142	-0.318	0.113	-0.505	-0.395	-0.118	0.068	-0.56	-0.075	-0.001	0.319	-0.054	-0.028	-0.177	-0.025	-0.244	0.048	0.347	0.392	0.019	0.207	0.343	0.201	0.062
-0.301	0.147	-0.167	0.282	-0.227	0.158	-0.067	-0.229	-0.109	-0.048	-0.001	0.131	0.151	-0.184	0.137	0.148	0.296	0.031	-0.498	-0.164	-0.408	-0.101	0.041	0.305	0.46	-0.018	0.168	0.001	0.428	0.434
0.2985	0.1305	-0.4365	0.0725	-0.2745	-0.1415	0.0425	0.1485	0.3105	0.0595	-0.0395	0.1785	0.4865	0.2145	0.1495	-0.3785	0.2925	-0.5725	0.2725	0.6565	-0.1515	-0.0005	0.2545	-0.0505	-0.2555	0.0255	0.2395	0.4375	-0.3255	-0.6305
0.002	-0.054	-0.003	-0.594	0.123	-0.185	-0.392	0.087	-0.368	0.027	0.124	-0.225	-0.224	0.188	-0.067	0.169	-0.151	-0.226	0.335	0.409	-0.318	-0.262	-0.229	0.349	-0.006	0.023	-0.084	-0.227	-0.595	-0.648
-0.989	0.517	-1.876	-1.597	-2.011	-0.888	-0.286	-0.103	0.651	-1.988	-0.333	-2.779	1.318	-0.249	3.907	-1.727	-1.181	1.647	-0.249	-2.042	0.286	0.075	1.919	-1.463	-0.04	-1.26	2.536	2.194	3.705	1.478
0.2845	0.1255	0.1615	-0.4145	0.1355	-0.2095	-0.4065	-0.1335	0.2215	-0.3075	0.3335	0.0755	0.1205	0.2995	0.2575	1.8225	0.7045	0.7905	1.0575	0.5145	0.2095	-0.1005	0.4025	0.2735	0.5315	0.3515	0.7145	0.5885	0.8615	0.3495
0.389	-0.002	-0.098	0.29	0.174	0.196	0.332	0.166	-0.113	-0.03	-0.173	-0.134	-0.017	0.06	0.2	-0.2	0.289	-0.511	-0.381	-0.619	-0.436	-0.564	-0.114	0.213	-0.072	-0.016	-0.21	-0.53	-0.562	-0.234
0.9045	0.3305	-0.7385	-1.2525	0.6605	0.8665	-0.2575	-0.7075	0.3825	0.1225	-0.5375	1.3045	-0.6725	-0.0535	0.2115	0.8285	0.6265	0.3695	-0.7035	-1.2725	-0.4975	0.6025	-0.4635	-1.6205	1.3015	-0.2195	0.9345	0.5185	-0.7065	0.1725
0.272	-0.356	0.078	0.662	-0.751	0.088	0.858	1.175	2.258	0.618	1.066	2.012	1.244	0.959	1.051	1.18	1.025	0.293	0.45	0.184	1.181	1.522	1.627	0.248	-0.068	0.825	0.355	0.386	-0.631	-0.047
0.446	-0.22	-0.422	-0.44	-0.575	-0.384	0.106	0.11	-1.083	0.455	0.252	-0.041	0.081	0.554	0.21	-0.004	0.407	-0.045	-0.212	0.38	-0.447	-0.894	-0.156	-0.324	0.028	-0.023	-0.038	-0.48	-0.291	-0.795
0.7295	0.6505	0.3665	-0.5955	-1.7145	-0.3675	-0.0165	0.3085	0.3365	0.5085	0.3145	0.2715	-0.1275	0.3205	-0.1525	0.0395	-0.7335	0.4195	1.2655	-0.6595	-0.3395	-0.5215	0.7705	-1.9225	-0.7995	-0.7205	-0.6455	-1.3695	0.0975	-0.5975
-0.208	-0.651	0.18	0.344	-0.168	0.25	0.302	0.612	0.563	0.175	0.108	-0.359	0.348	-0.085	-0.365	-0.49	-0.187	0.071	0.471	-0.127	-0.179	0.921	-0.006	0.216	-1.239	0.541	0.484	0.682	0.256	0.05
-0.664	-0.73	0.37	-0.638	-0.308	-0.383	-0.322	-0.31	-0.23	-0.1	0.052	-0.456	-0.246	-0.454	-0.343	-0.084	-0.253	-0.014	-0.247	-0.128	-0.206	-0.123	-0.366	-0.271	-0.272	-0.296	-0.029	0.158	1.106	0.13
0.1705	0.0135	0.0535	-0.4105	-0.2205	-0.1995	-0.2445	-0.2485	-0.2095	0.0225	0.0435	-0.0195	-0.0075	0.0905	-0.3815	-0.1555	0.1735	-0.0715	0.3405	-0.0145	-0.0455	-0.3855	0.0215	-0.2525	-0.8025	-0.2245	0.0405	-0.1115	-0.0205	-0.0865
0.0355	0.3565	2.1285	-0.0335	0.0605	-0.1625	0.0455	-0.2605	0.7695	0.3315	0.5565	-0.0825	2.2465	0.3015	-0.1845	3.3715	2.6535	2.9285	0.3485	0.3485	0.7815	-0.3015	-0.3635	0.4415	2.0835	-0.0335	2.1485	3.2085	0.4495	-0.1335
-0.055	0.112	-0.459	0.05	-0.361	-0.563	-0.006	-0.36	-0.684	0.086	-0.256	-0.328	-0.178	-0.128	-0.475	-0.401	0.006	0.977	-0.103	-0.17	0.098	-0.192	-0.116	0.412	-0.144	-0.24	-0.44	-0.779	-0.045	-0.583
-1.1655	-0.6755	0.1775	0.0695	-0.3115	0.0565	-0.1985	-0.3075	-0.1605	-0.4005	-0.2915	-0.2895	-0.3605	-0.6175	-0.9025	0.1325	-0.3765	-0.0995	0.8825	0.2165	0.1175	-0.0675	-0.1525	1.4765	0.1195	0.0405	-0.1445	0.0895	-0.2105	-0.0625
-0.319	-0.356	0.357	0.094	-0.247	0.268	-0.429	-0.244	-0.298	-0.402	-0.344	-0.276	-0.083	-0.581	-0.052	-0.624	-0.36	-0.515	0.522	-0.237	-0.184	-0.202	-0.164	0.176	-0.879	-0.279	-0.595	-0.397	-0.174	-0.038
-0.522	-0.48	0.277	0.143	-0.089	-0.026	-0.289	-0.354	-0.283	-0.388	-0.294	-0.288	-0.226	-0.428	-0.023	-0.572	-0.347	-0.612	0.59	-0.163	-0.298	-0.105	0.037	0.22	-0.851	-0.229	-0.576	-0.498	-0.334	-0.445
-0.769	-0.815	-0.628	-0.313	-0.019	-0.625	-0.012	-0.537	-0.544	-0.54	0.494	-0.322	-0.246	-0.478	-0.281	0.26	-0.327	-0.485	0.78	0.133	0.228	0.069	-0.07	0.7	-0.089	0.132	0.55	0.851	0.086	-0.01
-1.4725	-1.1105	-0.1605	-0.4115	-0.4055	0.2035	-0.4165	0.8525	0.5865	-1.0275	3.1465	-0.0825	2.2535	-1.2945	-1.0565	3.7005	0.8885	-0.4095	4.4565	2.6675	1.6305	-0.6355	0.6215	2.7655	1.3025	1.7945	-0.0215	0.8035	1.0745	1.1655
-0.7115	-0.7005	0.1295	0.3145	-0.1275	-0.3375	-0.3365	-0.0935	-0.7025	-0.6315	-0.4575	-0.1925	-0.2025	-0.5385	-0.3345	0.2305	-0.1255	-0.0945	0.8575	0.2745	0.5335	0.0975	-0.4265	0.7195	-0.1285	0.1715	0.1045	0.3995	-0.2275	-0.1115
0.0685	0.4185	2.0745	-0.9835	-1.1525	0.1385	-0.8235	-0.0175	-0.3035	0.0075	-1.1045	-0.3055	-0.8335	1.8115	0.2375	0.5355	0.0595	5.5725	5.2275	-1.3185	-0.0075	-0.7905	-1.3955	-0.9175	-1.4585	-0.9965	2.0525	-0.5465	-1.3035	-0.3915
0.721	1.08	1.41	0.246	0.833	-0.197	-0.331	0.239	-0.196	-0.245	-0.741	-0.535	-0.36	0.445	0.735	0.647	0.52	0.003	-0.003	-1.021	-0.285	-0.175	-0.403	-0.879	0.012	-1.009	-0.133	-0.817	2.447	0.196
-0.2445	-0.6335	1.4855	0.4425	1.0075	-0.0655	-0.0255	1.2195	0.2585	1.6145	3.0765	3.4275	2.2275	0.6495	0.7415	-0.3785	0.7575	3.5535	4.0015	3.5015	-1.0635	-0.4415	0.5225	4.3605	1.6545	3.1815	0.2375	2.4065	0.0825	0.4955
0.132	-0.022	0.434	0.902	-0.134	1.236	0.572	-0.025	0.114	-0.416	-0.306	1.007	0.457	0.129	0.511	0.42	0.839	-0.525	0.229	0.267	0.067	1.214	0.662	0.238	0.914	1.205	0.838	1.06	0.874	0.219
-0.8985	-1.1405	0.9475	0.3985	0.5535	0.6545	0.4715	0.4355	0.0095	0.2025	-0.1255	0.2735	-0.2915	-0.2095	-0.5375	1.6605	-0.5445	0.7335	1.1205	0.1125	0.4705	0.8975	0.6545	0.6385	0.1255	0.3275	-0.0265	0.8605	-0.0815	0.4105
-0.463	-0.121	-0.236	-0.165	-0.623	-0.565	-0.101	-0.207	-0.262	-0.314	-0.499	-0.109	-0.25	-0.364	0.028	-0.198	0.061	0.072	-0.118	-0.226	0.161	-0.28	0.047	-0.265	0.035	-0.212	0.099	0.128	-0.118	0.14
0.69	0.656	-0.313	1.003	-0.238	-0.686	0.487	0.679	-0.501	0.034	-0.05	-0.231	-0.49	1.072	0.671	0.266	0.235	-0.485	0.933	-0.207	0.045	1.422	0.43	-0.081	0.408	0.001	0.556	-0.828	-0.885	-0.881
-0.6785	-0.5505	-0.2565	1.1875	0.6875	0.8605	0.7315	0.2065	-0.0135	0.1085	-0.0055	-0.8385	-0.5715	-0.3245	0.0985	-0.2735	1.3965	0.4035	1.0685	0.0385	1.4185	1.3255	1.1565	0.4835	1.6965	0.6205	0.8305	1.3665	0.7525	-1.6665
-2.108	-0.874	-0.382	-1.89	0.031	0.623	0.138	-0.268	0.107	0.816	1.093	-0.252	0.758	-1.473	-1.128	0.644	0.232	0.676	0.717	0.553	0.364	0.812	0.565	1.202	0.76	0.614	0.082	0.484	0.796	0.355
0.283	0.574	1.161	-0.119	-0.225	-0.674	0.597	-0.411	-0.252	0.755	-0.025	-0.213	-0.216	0.053	-0.291	0.693	-0.224	0.07	1.2	0.814	-0.144	-0.511	-0.146	0.072	-0.166	-0.19	1.078	0.834	-0.306	-0.408
-0.018	-0.142	0.379	0.532	0.735	-0.01	0.844	-0.293	0.633	0.409	0.43	0.412	0.393	0.276	0.29	-0.452	0.003	0.428	0.347	-0.305	0.211	-0.398	0.071	0.295	-0.569	0.13	0.684	1.076	-0.053	0.116
0.23	-0.447	-0.182	0.215	0.788	-0.345	0.698	0.754	-0.751	-0.088	0.524	-0.103	0.158	0.036	-0.16	-0.712	-0.165	0.243	0.501	-0.109	0.008	0.955	0.29	0.31	-1.599	-0.68	0.86	1.358	1.449	0.068
0.496	1.532	-0.267	-0.171	0.548	0.008	-0.108	-0.008	0.238	0.39	-0.104	-0.113	0.017	0.121	0.85	0.338	0.081	0.51	-1.651	-1.381	-0.603	0.065	0.378	-0.61	-0.547	-0.923	-0.472	-1.412	0.064	0.069
-0.5605	-0.3635	-0.5855	-0.4795	-0.5445	-0.4435	-0.6565	-0.3315	0.0225	-0.2775	-0.3485	-0.4325	0.1605	-0.5155	-0.1985	-0.2505	-0.2635	-0.6385	-0.2885	-0.1605	-0.0315	-0.4705	0.0385	-0.8395	-0.7925	-0.5805	-0.3085	-0.2265	-0.3305	-0.5705
-0.0055	0.1665	0.1915	-0.1025	0.1815	-0.2175	0.0055	-0.2055	-0.0705	0.3585	-0.0195	-0.1865	-0.2595	-0.0835	-0.2515	0.0125	-0.0465	0.0305	-0.0315	-0.1695	0.1445	-0.2755	-0.0865	0.1735	0.2145	-0.1165	-0.1795	0.0295	-0.0485	0.1815
1.4915	1.6795	0.1995	0.1085	0.3625	0.3805	0.0245	1.7215	1.3645	1.1735	0.5655	-0.2195	-0.3745	1.3705	1.3835	0.0325	0.1275	-0.7555	0.8675	-0.0015	-0.2225	0.3145	-0.0015	-0.1965	-0.7875	-0.7345	-0.2825	-0.5805	0.0015	-0.3485
0.2285	0.4185	1.1315	-0.0165	0.0615	0.7875	-0.0525	-0.2075	0.4295	0.6805	0.0035	0.0625	0.0575	0.1085	0.0855	-0.0035	0.1925	-0.2825	-1.8015	-0.8925	-1.0125	-0.7405	-0.6515	-1.4475	-0.4085	-0.4325	-0.1375	-1.6425	-0.8635	2.3475
-0.9325	-1.5165	-1.4115	0.5595	0.0035	-0.2405	0.5605	-0.4835	0.7455	-0.0035	-0.1965	0.1775	0.0185	0.1095	0.7235	-0.6165	-0.3855	0.9225	1.9025	1.1655	2.7335	1.6465	1.0065	-1.0585	-0.3325	0.0515	1.3115	2.0625	1.4165	1.1025
-0.811	-0.319	-0.372	-0.384	0.059	0.024	0.043	-0.595	-0.272	-0.267	0.332	-0.217	-0.704	-0.577	0.02	0.008	-0.153	-0.319	0.343	-0.149	0.539	0.9	-0.596	-0.158	-0.256	-0.744	-0.463	-0.359	-0.088	-0.482
0.9805	0.8215	-0.3185	-1.3485	-0.9275	2.7465	-0.8255	1.1545	-0.2895	0.0355	-0.6055	-1.1675	0.6305	0.8585	-0.3035	-1.0845	-0.9255	-0.1375	-0.6475	-0.1345	0.2795	1.2385	-1.2285	-0.6455	-1.0245	-1.1215	0.1345	-1.4735	0.2165	1.0835
0.077	-0.048	0.79	0.511	0.239	0.22	-0.197	-0.183	-0.001	0.17	-0.134	-0.29	-0.31	-0.094	0.218	-0.201	0.329	0.557	-0.151	0.189	0.394	0.003	1.047	-0.305	0.899	-0.022	0.456	0.188	0.831	0.127
-0.1585	0.0395	-0.3145	0.1735	-0.0155	0.4415	0.1885	-0.0495	-0.0975	0.0965	-0.3965	-0.1875	-0.0455	-0.1955	0.1405	0.6275	0.0675	-0.2205	-0.2995	-0.2045	-0.2805	0.3145	0.3885	-0.2115	0.0885	0.2415	0.0655	-0.0045	0.2835	-0.0265
0.37	0.265	1.422	0.295	0.344	0.466	0.199	0.876	0.329	0.815	0.521	0.259	-0.047	0.566	0.656	-0.039	0.485	0.427	-0.859	-0.647	-0.45	0.233	-0.312	-1.627	-1.216	-0.289	0.36	-0.235	-0.201	0.257
0.019	-0.074	0.276	0.435	-0.495	-0.576	0.924	0.41	-0.745	0.001	-0.849	-1.839	0.499	0.702	0.238	-0.097	2.312	-0.078	-0.242	-0.433	-0.237	-1.604	0.606	1.534	-1.003	-2.609	-1.171	-1.859	0.659	1.674
-0.6035	-0.5975	-0.4495	-0.9025	-1.0895	-0.7585	-1.0515	-0.9305	-0.0595	-0.1945	-0.7545	0.0025	-0.0125	-1.1765	-0.3525	-0.5815	0.1935	0.0525	-0.0005	-0.4655	-0.6525	-0.2835	0.1515	-1.5225	-0.6005	-0.8255	-1.0695	-1.2525	-0.2405	-0.5785
-0.469	0.441	-1.243	-0.645	-1.858	-1.205	-1.169	-0.744	-0.575	-0.284	-0.545	-1.121	-1.188	0.573	-0.789	-0.642	-0.317	-1.348	-0.524	-0.252	-0.646	-1.811	-1.068	-1.465	-2.019	-1.786	-0.577	-0.675	-0.896	-0.893
-0.713	-1.519	0.762	-0.202	-0.21	0.881	0.72	-0.387	0.872	0.752	0.791	-0.04	-0.079	-0.658	-0.89	-0.739	-0.411	-0.881	1.989	-0.069	-0.411	-0.434	-0.416	-0.704	-0.509	-0.377	-0.569	0.652	-0.917	0.02
-0.8125	-1.1135	0.1005	-0.4655	-0.6505	0.0055	-0.5975	-0.1475	-0.2375	-0.6345	-0.3565	-0.2575	-0.2125	-0.8305	-0.5415	0.1695	-0.8615	-0.6495	0.9335	-0.6225	0.0535	-0.3885	-0.3465	0.5515	-0.0915	-0.5325	0.0845	-0.0735	0.1885	-0.2485
1.99	2.99	0.991	0.52	-0.04	0.68	0.04	1.34	0.811	1.02	0.423	-0.13	-0.6	1.068	1.36	0.89	0.95	1.228	-1.82	-1.293	-1.642	-1.37	-1.75	-2.54	-0.72	-0.72	-0.19	-2.62	-0.27	-0.87
-2.6125	-3.0475	-1.7715	1.2085	-0.9965	0.5405	1.0325	0.4885	-2.4925	0.0015	-1.3385	-1.4365	0.0425	-2.5105	-0.9235	-1.5485	0.1165	-0.0935	-1.9505	-1.5335	-2.7825	0.4005	-0.4435	0.6975	0.9325	-0.0015	-1.5855	0.6075	-0.8795	-0.4705
-1.4195	-1.5505	0.0985	0.7585	-0.3985	-1.2455	-0.0115	-0.1235	-0.1735	-0.6705	-0.3715	-0.7345	0.0845	-0.3025	-0.4225	0.4385	-0.5295	0.2385	0.2955	-0.2635	0.3235	0.6405	0.1115	0.9515	-0.3785	-0.0155	0.5445	1.2685	0.0395	-0.8415
-0.0695	-0.1975	0.0615	0.9345	0.8605	0.4835	0.8075	0.1735	-0.0145	-0.0555	-0.0225	-1.0465	1.9195	0.3545	0.3595	0.8135	1.9665	-1.1765	0.1385	-0.6605	-1.2225	0.0215	0.7765	2.0845	-0.3835	-1.1305	1.3555	1.1355	-1.3725	0.3615
-1.017	-1.337	-0.725	0.251	0.17	0.902	0.38	-0.006	1.181	-0.003	0.514	-0.183	1.309	0.206	-0.492	0.009	-0.484	-0.132	1.291	0.097	0.591	1.576	0.764	0.892	-0.434	1.455	0.867	1.247	0.41	0.368
-0.696	-0.87	0.446	-0.639	-0.085	-0.001	-0.522	-0.03	-0.084	-0.786	0.107	-0.345	-0.149	-0.161	0.15	-0.398	-1.13	0.021	0.408	0.672	0.334	0.153	0.568	0.431	0.876	0.603	0.25	1.034	-0.099	-0.523

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-7243 LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0502 LUMINAL	9830-0200 LUMINAL	BR95-0035 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
-0.3215	0.4205	-0.0655	0.1205	-0.0805	-0.2515	-0.3595	-0.3725	-0.3325	-0.5415	-0.2445	-0.6295	-0.2265	-0.3935	-0.1105	-0.3715	-0.3255	-0.5385	0.1575	-0.2715	0.2275	-0.3125	-0.4515	-0.2185	-0.7445	-0.3975	-0.4085	-0.1915	0.8465	-0.2915
-0.25	-0.004	0.685	-0.474	0.114	0.032	-0.093	0.04	-0.01	-0.325	0.378	0.028	-0.199	-0.114	0.533	0.59	0.546	0.291	-0.236	0.344	0.371	-0.15	-0.192	0.127	0.755	0.559	0.765	0.352	1.571	1.148
-0.14	0.025	-0.292	-0.03	0.095	-0.594	-0.201	-0.35	-0.158	-0.083	-0.105	2.358	-0.301	-0.05	-0.205	-0.08	-0.197	3.733	0.027	1.16	0.086	0.924	0.118	0.141	0.198	-0.199	-0.128	0.072	-0.152	-0.306
-1.0395	-0.9265	1.1495	2.1075	2.1755	1.6755	1.8215	2.2145	2.7315	2.1715	-0.6905	4.0135	2.5405	1.9055	-0.9005	-0.3785	-0.4135	-0.0015	3.0905	-0.6455	3.4715	4.9825	2.3075	2.8795	3.9575	2.5525	3.4195	3.9995	1.5935	-0.6855
0.222	0.402	-0.215	-0.822	-0.688	0.445	-0.526	-0.397	-0.227	0.131	-0.259	-0.056	0.168	-0.263	0.061	-0.031	0.175	0.216	0.131	-0.078	-0.565	-0.467	-0.065	-1.174	-0.385	-0.287	-0.557	-1.321	-0.651	-0.138
-0.9995	-1.8305	0.3525	1.9535	0.8875	0.5785	2.4845	2.6035	1.0215	-0.2205	0.0895	1.8935	0.2465	0.7115	1.0235	1.5505	1.4375	0.2545	2.7815	1.1005	-0.1565	3.7825	-0.0265	2.2105	0.9135	2.4115	-0.0105	0.8845	-1.8835	-1.2035
-1.0345	-1.3995	0.6655	0.8515	0.1895	0.3515	1.1405	1.4615	0.7645	-0.0505	-0.2085	0.7535	0.5835	1.2525	0.1125	0.2225	0.3215	1.4425	1.4575	0.9325	0.3655	2.7215	-0.3375	1.3715	0.6145	1.9965	-0.4405	0.8605	-1.4295	-0.6285
-1.177	-1.495	0.55	2.395	1.203	0.126	2.458	2.859	1.479	-0.257	0.474	1.626	-0.137	1.107	0.802	0.893	0.977	1.002	2.704	1.519	0.327	4.109	0.391	2.446	0.252	1.993	-0.208	0.854	-2.278	-1.543
-0.729	-0.929	-0.374	0.254	-0.155	-0.219	-0.365	-0.404	0.318	-0.136	-0.073	-0.494	-0.125	-0.703	-0.505	-0.507	0.301	-0.358	0.027	0.258	0.491	0.285	0.61	-0.409	0.139	-0.346	0.222	0.348	-0.004	-0.729
-0.073	-0.541	0.045	-0.589	-0.151	0.642	0.169	-0.001	-0.079	-0.498	0.431	-0.627	0.024	-0.711	-1.36	-0.592	-0.923	0.327	0.409	0.228	-0.269	-0.38	0.054	-0.653	-0.143	0.398	0.032	1.081	0.384	-0.331
-0.2675	-0.0435	0.5915	0.2975	-0.1415	0.0015	0.2185	0.2205	0.3065	0.3195	0.3245	0.1355	0.4655	0.2125	-0.4735	-0.3425	-0.2795	0.2915	0.0325	0.0155	-0.5385	0.0445	-0.1755	0.4405	-0.8895	0.0945	-0.2305	-0.0495	0.2685	0.2585
0.234	0.197	-0.182	2.274	-0.077	1.098	-0.289	0.094	-0.128	-0.472	-0.864	-0.86	-0.196	0.928	0.769	-0.416	-0.128	0.942	1.478	-1.02	-0.222	1.232	-0.002	1.761	-0.722	-0.748	0.858	0.648	-0.864	-1.183
-0.508	-0.633	0.156	-0.316	-0.144	-0.355	-0.621	-0.218	0.042	0.172	-0.339	0.356	-0.307	-0.375	-0.108	-0.313	-0.195	-0.473	-0.595	-0.016	-0.341	-0.165	-0.593	-0.879	-0.651	-0.469	-0.046	-0.793	0.025	0.652
-0.3105	-0.4825	-0.6315	-0.6455	-0.8155	-0.5345	-0.6205	-0.6015	-0.7595	0.0585	-0.6395	-0.3275	-0.3785	-0.2765	-0.2955	-0.5495	-0.6105	0.0145	0.0085	-0.6885	-1.0495	-0.3825	-0.5835	0.4675	-1.0515	-1.0215	-0.5385	-0.9255	-1.0165	-0.9515
-0.43	0.83	0.283	-0.249	-0.332	-0.327	-0.641	-0.035	-0.01	-0.288	-0.583	0.07	0.065	-0.536	0.125	0.085	-0.376	-0.291	-0.812	-0.396	0.263	-0.341	0.351	-0.057	0.051	0.567	0.057	0.051	-0.15	0.095
0.0425	-0.1015	-0.3125	-0.1305	-0.0485	0.2485	-0.4005	-0.3005	-0.1335	-0.0205	-0.2815	0.1035	0.1155	-0.3245	-0.0355	-0.2175	-0.1645	-0.0285	-0.0495	-0.0285	0.2585	0.0995	-0.2355	-0.4905	-0.0975	-0.1665	-0.3775	-0.7185	0.7125	0.6015
-0.3225	0.1335	0.2685	0.1555	-0.3115	-0.1315	0.8515	-0.0205	-0.2625	1.2535	0.6355	0.2275	-0.0325	0.5255	0.2055	0.0505	-0.0775	0.0725	0.0415	0.0795	0.3285	0.0605	-0.0035	-0.1645	-0.3605	0.4275	-0.2035	0.1665	-0.5095	1.1845
-0.5065	-0.4845	-0.4135	-0.5195	-0.6835	-0.6995	-0.4005	-0.9505	-0.5095	-0.2905	-0.4925	-0.5015	-0.3265	-0.7105	-0.4875	0.2515	0.0065	0.1805	-0.1195	-0.8165	-0.4465	-0.7625	-0.2665	-0.6875	0.2285	-0.6655	-0.1415	-0.0035	-0.0615	-0.5105
-0.2675	0.3075	-0.3375	-1.1565	-0.4875	-0.2255	-0.2905	-0.5135	-0.4375	-0.0975	0.4485	-0.1955	-0.2685	-0.4415	0.0915	-0.4185	0.6825	1.2575	-0.3755	-0.0815	-0.4605	-0.2655	-0.1425	-0.3935	-0.8195	-0.3105	0.0055	0.2035	1.2185	-0.2685
-1.161	-1.475	-1.061	-0.348	-1.46	0.329	-1.11	-0.981	0.164	-0.489	-0.783	-0.42	-0.006	-1.203	-1.554	-1.52	-1.412	0.305	-2.096	-1.039	0.272	-0.981	-0.517	0.053	-0.573	-1.05	0.228	0.374	0.113	-0.467
-0.2605	-0.4875	0.3505	-0.3215	-0.8755	-0.3385	-0.4375	-0.3705	-0.4425	-0.1375	-0.0915	-0.1315	0.2495	-0.3175	-0.1545	0.1695	0.4365	-0.0595	-1.0205	-0.6395	-0.6155	-0.3605	-0.5315	0.2415	1.0205	0.6785	0.3095	0.0235	-0.3685	-0.8025
-0.1485	-0.4535	0.0865	-0.2445	0.3885	0.3555	0.4505	0.1465	0.1005	-0.2455	-0.0435	-0.1425	-0.5525	0.2775	-0.2865	-0.5535	0.0235	-0.2625	0.3395	-0.4115	-0.5005	0.1075	-0.2955	-1.2355	-1.4015	-0.4705	-0.4035	-0.3575	-0.5265	-0.9465
-0.001	0.016	-0.946	-0.997	-1.247	-0.689	-0.899	-1.458	-0.382	-0.341	-0.563	-0.977	-0.332	0.421	0.108	-0.648	-1.473	0.3	0.333	0.181	-0.061	0.5	0.22	-1.435	-0.257	-1.071	-0.697	-0.734	-0.273	-0.035
-0.386	-0.593	1.031	-0.395	-0.068	-0.18	0.295	0.625	0.073	0.188	0.648	0.227	0.119	0.167	-0.153	-0.549	-0.2	0.168	-0.29	0.322	-0.465	-0.262	0.166	0.147	-0.898	0.231	0.007	0.462	0.28	-0.405
0.278	0.801	-0.031	0.467	1.269	0.749	-0.719	-0.818	-0.313	-0.218	-0.56	-0.262	-0.296	0.206	-0.006	0.216	-0.007	-0.773	0.181	-0.589	-0.345	0.236	-0.591	-1.11	-0.341	-0.787	0.042	-0.678	0.334	0.401
0.2055	1.5925	-1.4055	0.0035	-0.0895	1.1255	-0.5285	0.5755	1.5625	0.3705	-0.0615	0.7725	-0.0725	0.5885	0.6985	-0.3035	0.1055	-0.2695	-0.4285	0.3535	0.2565	0.0245	1.3295	-0.0015	0.7755	0.5625	0.5705	0.1995	-0.3325	0.4815
0.1225	-0.3085	-0.6365	-0.9425	0.1845	2.4855	1.0495	0.1445	-1.5025	2.1455	1.4095	-0.0815	-0.0345	2.9185	3.0305	2.5395	1.5485	3.4635	2.6155	0.1135	-0.5175	2.7895	0.3645	1.4695	1.0055	1.1515	1.1305	-0.6225	0.4575	-0.9865
0.588	1.011	-0.088	-0.227	-0.282	0.035	-0.298	-0.145	-0.244	-0.023	0.096	0.18	-0.35	0.489	0.249	0.873	0.047	1.277	0.48	0.157	0.081	0.416	0.105	0.199	0.809	-0.169	0.299	-0.203	-0.008	-0.203
0.262	-0.216	-0.773	-0.469	-0.627	1.362	-0.116	-0.217	0.227	0.061	-0.038	-0.265	-0.27	-0.333	0.023	-0.393	0.028	-0.489	-0.084	0.575	0.065	1.066	0.56	0.902	0.328	0.547	0.216	-0.194	0.452	-0.396
-0.409	0.303	0.302	-0.433	-1.134	-0.173	-0.716	0.179	-0.331	-0.308	-0.587	-0.471	-0.633	-0.567	0.237	0.063	-0.198	-1.048	-1.41	-1.054	-0.409	-0.959	-0.732	-1.551	-0.188	-0.656	-0.696	-1.688	0.371	0.371
0.4935	-0.3975	-0.9035	-0.9295	-1.0585	-0.1665	-0.5985	-1.1875	-0.7385	-0.6985	-0.5595	-0.5635	-0.1385	-0.6235	-0.3785	-0.4455	0.1345	-0.5815	-0.2955	-0.3085	-0.6525	-1.0585	-0.1435	-0.6695	-0.5455	-0.8625	-0.3825	-0.6745	-0.4565	-0.3565
-0.352	-0.024	0.055	0.355	0.132	0.122	0.055	0.069	0.127	0.056	0.049	-0.025	-0.675	0.229	0.378	0.356	-0.247	0.189	0.006	-0.061	0.2	-0.182	-0.017	0.987	0.053	0.408	0.123	0.505	0.355	0.461
-0.6075	-0.3965	0.1215	-0.1605	-0.1655	-0.5345	0.1455	-0.2105	-0.1025	0.0175	0.2405	-0.1115	-0.1865	-0.0785	-0.4095	-0.0645	0.1015	0.3195	-0.3615	0.1905	0.3485	-0.3035	0.1525	1.3945	0.1895	0.1165	0.2905	0.0945	0.2425	0.4705
-0.4325	-0.4805	1.0435	-0.1955	-0.0855	-0.1285	-0.3705	-0.2715	0.3095	-0.7325	-0.3175	-0.4065	-0.2765	-0.0485	-0.1195	-0.1365	0.0935	0.5605	0.0025	0.0595	0.2495	0.2965	0.4755	0.2415	-0.0735	-0.1825	0.8335	0.6645	1.4895	0.5305
-0.708	-1.242	0.303	-0.595	-0.45	-0.869	-0.18	-0.363	-0.397	-0.298	0.141	0.187	-0.132	-0.715	-0.716	-0.651	-0.276	0.468	0.06	-0.428	-1.052	0.001	-0.347	-1.084	-1.204	-1.058	-0.619	-0.611	0.79	0.053
-0.6815	-0.0555	0.3445	-0.0655	-0.0015	0.1465	0.0425	0.4295	0.4985	0.0055	0.1025	0.2235	0.0015	0.0415	-0.0075	-0.3595	-0.1125	0.2485	0.7055	0.3095	0.0145	-0.0825	-0.0985	-0.2285	-0.5925	-0.1775	-0.1105	0.3645	0.1765	-0.0315
-0.044	-0.437	0.277	0.47	0.338	0.154	-0.05	0.258	-0.038	0	-0.012	-0.271	0.472	0.152	-0.328	-0.728	-0.891	-0.481	-0.276	0.142	0.307	0.009	0.073	0.935	-0.672	-0.135	-0.438	-0.183	-0.217	-0.557
0.592	0.585	0.082	-0.222	0.988	0.918	0.291	1.143	1.297	0.489	-1.151	0.436	0.459	0.386	0.902	0.307	-0.109	1.814	-1.596	0.098	1.114	0.083	1.907	0.139	1.227	0.66	0.688	1.09	0.667	-0.563
3.8585	4.0955	-1.4175	-0.0585	-0.6405	0.1205	1.0585	4.4765	0.4545	0.5055	0.1955	0.2585	-0.2355	1.2555	3.6355	0.3955	2.0025	0.6085	-0.6265	0.2665	1.7665	-0.7715	-0.2085	-0.3625	-0.0995	-0.6195	0.5315	-0.8185	-0.3035	0.7085
-0.126	-0.469	-0.299	-0.079	-0.122	-0.223	-0.124	-0.374	0.152	0.363	-0.021	-0.032	-0.012	-0.052	0.073	0.045	-0.028	0.281	-0.203	-0.073	0.19	-0.155	0.068	0.293	0.185	-0.001	0.066	-0.028	0.019	-0.407
-0.917	-1.428	0.726	-0.276	-0.49	0.468	-0.012	-0.236	-0.582	-0.127	-0.062	-0.176	-0.459	-0.368	0.11	-1.014	0.188	0.162	-0.162	0.011	0.264	0.466	-0.031	-1.209	0.034	-0.127	-1.235	-2.649	1.173	1.379
-0.8965	-0.5295	0.8635	0.5055	0.3135	0.7525	-0.0295	-0.0545	0.1795	-0.4005	-0.3475	0.0575	-0.2635	-0.5935	0.0085	0.1725	1.1895	1.0705	1.2055	-0.3415	0.7585	-0.3135	0.6685	0.4725	1.3535	1.3125	1.9645	2.3355	-0.5045	-0.1935
-0.5255	-0.5005	0.8515	-1.3295	-0.0725	0.9585	1.6905	1.4085	1.1695	0.0545	0.1845	3.1385	1.5665	0.0435	0.2575	1.4055	1.8545	2.7345	3.0915	3.2475	2.5945	-0.9475	2.2185	0.7815	1.7075	2.2655	0.4255	1.6955	-0.4135	1.6075
-0.931	-0.342	-0.783	-0.303	-0.112	-0.011	0.138	0.192	-0.114	-0.264	-0.061	-0.539	0.124	-0.576	0.881	0.105	-1.1	0.32	0.393	-1.027	0.169	0.119	0.084	0.076	-0.09	-0.784	0.155	0.228	-0.026	-0.521
-1.42	-1.639	1.191	2.171	0.438	0.193	0.876	1.638	0.68	0.835	0.07	1.102	-0.788	0.503	-0.534	-0.019	-1.491	1.231	-3.77	0.875	1.396	1.85	1.622	2.164	0.783	0.554	0.921	1.39	1.385	0.328
-0.208	-0.74	-0.494	-0.596	-0.649	-0.14	-0.02	-0.041	-0.132	-0.479	-0.362	0.003	-0.149	-0.24	-0.25	-0.439	0.093	-0.205	-0.363	-0.357	-0.082	-0.19	0.456	-0.473	0.299	-0.057	-0.174	0.492	0.374	-0.249
0.332	0.574	1.628	-0.307	0.556	0.99	-0.079	-0.736	0.153	0.228	0.081	-1.24	0.002	-0.2	-1.193	-1.378	-0.264	-0.312	-1.045	-0.143	-0.358	-0.392	-0.462	-0.167	-0.872	-1.338	0.07	-0.135	0.438	0.525
1.5275	1.5755	1.1165	0.0125	0.5425	0.3625	1.0455	2.5465	0.4645	1.6015	0.4405	0.8275	-0.8915	0.9755	1.2935	0.5085	-0.0145	-1.0705	-0.8295	-1.8525	-0.9825	-0.1825	-0.3645	-1.6145	-1.9855	-1.6745	1.1975	-0.2205	-0.9755	0.6535
-0.6575	-1.1005	0.0005	-0.3415	-0.5405	-0.1925	-0.0285	0.2135	-0.3505	-0.2375	0.1335	0.1945	-0.3575	-0.1755	-0.5125	-1.3545	-0.4345	0.1925	0.5035	0.6615	0.4585	-0.3605	0.4325	0.5455	-0.4665	-0.2295	-0.0245	0.0955	-0.1475	-0.3815
-0.5935	-0.4365	-0.5275	0.2755	-0.4585	-2.3745	0.3855	0.5305	0.8745	-0.4885	-0.8575	-0.9205	0.1905	0.2935	1.1465	-0.6045	0.7425	-0.2545	-2.6885	0.7995	0.0235	0.5335	0.3765	0.8515	-0.1015	-0.1965	1.0935	1.1275	0.7075	-0.0735
-0.4295	-0.6665	-0.1785	-0.7675	-0.6095	-0.3785	-0.4125	-0.6905	-0.3135	-0.6695	-0.4875	-0.5215	-0.3095	-0.5305	-0.3115	-0.6485	0.1135	-0.3345	0.1325	-0.1975	-0.2085	-0.6535	-0.0215	0.0065	-1.0335	-0.8635	-0.1925	-0.0565	0.1675	-0.3405
-0.6405	-0.0995	0.7625	0.2895	0.3955	-0.1995	-0.1615	-0.1305	0.3325	0.0905	-0.2025	-0.1655	-0.3125	0.1945	-0.1555	0.2535	0.4535	-0.2265	0.6995	0.4635	0.4115	0.4165	0.6925	-0.2385	0.1495	-0.2315	0.5155	0.3575	-0.4725	-0.4735
-0.2945	0.4225	-0.3105	0.7855	0.6015	1.0575	0.0785	0.4285	0.1895	1.1475	-0.0225	-0.0025	0.6425	-0.1425	0.8095	-0.2485	-0.0385	0.5165	0.8555	0.8805	0.4375	1.4195	0.1455	1.9945	1.7815	1.5215	0.7565	0.6715	0.2675	0.0945
1.0035	0.6405	0.8185	0.2175	0.5885	1.8425	0.2415	1.3995	0.5025	1.1035	0.3905	0.8995	0.0205	1.0145	1.9845	0.0825	0.5395	-0.0115	-1.2335	-1.0075	0.5285	2.1905	-0.5435	-1.6165	0.2165	-0.2345	-0.3225	-1.0605	-0.6005	0.7555
0.0555	0.1185	-0.4655	0.1305	0.1915	-0.2405	-0.2395	-0.1535	0.1365	-0.2235	0.0495	-0.0055	0.1155	-0.0615	-0.0495	-0.1555	0.2835	0.0705	0.1875	0.3545	0.4965	0.0885	-0.0185	-0.4225	0.1355	0.2755	-0.5415	-0.9295	0.5445	-0.1975
-0.068	0.08	0.144	-0.496	-0.307	-0.142	-0.337	-0.057	0.333	0.132	-0.106	-0.207	-0.017	-0.01	-0.022	-0.18	-0.298	-0.055	0.033	-0.195	-0.006	-0.426	-0.196	-0.114	-0.215	-0.328	-0.317	-0.249	-0.158	-0.327
-0.076	-0.311	0.097	0.501	-0.134	-0.954	0.13	-0.022	-0.193	0.113	0.13	0.296	-0.286	0.114	0.075	0.461	0.365	-0.018	-0.421	-0.337	0.065	0.16	-0.163	0.223	0.722	0.008	0.267	0.288	0.093	0.258
-0.38	-0.624	0.356	-0.532	-0.612	-0.301	-0.537	-0.782	-0.726	-0.515	-0.388	-0.373	-0.462	-0.634	-0.823	-0.221	-0.721	0.277	-0.579	-0.685	-0.28	-0.532	-0.718	-0.65	-0.714	-0.64	-0.396	-0.462	0.847	0.226
0.3005	-0.3695	0.9755	0.9185	-0.7375	1.0745	0.8265	0.3405	-0.2785	0.0065	-0.3345	-1.2225	0.1685	0.3735	0.5975	0.4435	0.4425	-0.4815	-0.6455	-1.5505	-0.9195	-0.0515	-1.1225	0.9085	-1.1255	-1.0185	-0.6145	-0.1705	-0.9265	-0.6785
0.016	-0.22	-0.086	-0.435	0.206	-0.212	-0.105	-0.191	-0.077	-0.03	0.169	-0.037	0.027	-0.071	0.961	0.057	0.185	-0.126	0.357	0.087	0.037	0.015	-0.077	-0.151	0.025	-0.201	0.342	-0.204	-0.236	-0.121
0.4615	0.4915	0.4105	1.2295	0.6665	1.7205	0.8315	0.8975	0.2585	-0.0675	0.5665	0.0085	-0.0425	0.9965	0.1785	-0.0255	0.0745	0.1195	-2.1845	-0.2045	0.9035	-1.2535	-0.1975	-1.2885	-1.4965	-0.1445	-0.7365	-0.5915	0.0385	0.4085
0.1535	0.1695	0.3315	1.1995	1.2225	0.5375	-0.8495	-0.0375	-0.0445	-2.2685	0.4435	-0.1375	-0.2815	0.3085	-0.5415	-0.0905	0.1565	0.3245	0.0205	-0.4315	-0.2365	-1.0965	0.1455	0.7065	-1.4105	-0.4075	0.4585	0.4945	0.3305	-1.1355
0.5545	1.5855	-0.6735	-0.6395	-0.0785	0.3165	-1.0685	-0.3335	0.0295	-0.0615	-0.8595	0.6115	0.2165	-0.7735	-0.9035	0.6785	-0.0585	2.0875	1.7635	1.1575	1.1115	0.5955	-0.1535	0.3645	-0.4245	-0.1655	-0.5145	-1.1825	0.5695	1.6595
-0.1265	-1.0035	0.0825	0.3305	0.2565	-0.6315	1.0515	0.8555	1.1075	0.0385	0.9065	1.4625	0.3635	0.8225	0.4375	1.3725	0.6775	0.0875	0.5445	1.7165	0.7055	1.0115	1.1585	0.3885	1.9225	1.5765	0.4475	0.0285	0.6325	-0.2835
0	0.507	0.063	0.939	-0.104	-0.485	0	-0.193	-0.062	-0.491	-0.766	-1.25	-0.375	-0.44	-0.003	-0.245	0.604	-1.165	0.097	-0.528	1.078	0.81	0.408	1.16	0.61	-0.035	0.1	0.178	0.068	-0.145
0.0215	-0.0335	-0.8995	-0.5385	-0.6435	0.0425	-0.0895	0.2545	-0.2715	-0.2035	-0.2785	0.1105	-1.2505	0.2075	0.9145	-0.3455	-0.5375	0.2535	-0.4055	0.2925	-0.4455	0.8965	0.0775	0.7375	-0.1325	-0.1015	0.1675	0.0505	0.5575	0.2025
-0.0355	-0.1345	-0.2885	-0.1935	-0.4205	-0.5555	-0.3205	-0.4335	-0.4145	0.1095	0.0555	-0.7135	-0.3615	0.1605	-0.1785	-0.3005	-0.5255	-0.8725	-0.4975	-0.2085	-0.1405	-0.7615	-0.5265	-0.5875	-0.7515	-0.7085	-0.7275	-0.2545	0.4755	0.1645
-0.0875	-0.5935	0.2235	-0.2185	0.0695	-0.1915	0.5005	0.4505	0.3795	-0.1745	0.3235	0.1715	-0.4775	0.1655	-0.0255	-0.3545	0.2465	-0.4085	0.3015	0.1795	-0.5055	0.2035	0.1835	0.3895	0.1795	0.5005	-0.2355	-0.4465	0.1385	-0.4055
-0.0305	0.4305	-1.2205	0.0095	-0.2675	-0.5915	-0.8715	-1.1115	-0.4375	-0.2705	-0.8905	-0.0955	-0.1125	-0.5125	-0.1955	-0.6505	-0.5025	0.7665	-0.3835	-0.2725	-0.0405	-0.6255	-0.6765	-0.3095	0.3165	-0.2455	0.1115	-0.4035	-0.2885	-0.3205
-0.004	0.01	-0.203	-0.227	0.117	-0.121	-0.532	-0.345	0.33	-0.171	-0.278	-0.085	-0.071	-0.415	0.054	0.289	-0.068	-0.004	-0.154	-0.41	-0.02	0.256	-0.059	0.286	0.417	-0.045	-0.078	0.007	0.272	0.409
-0.2675	-0.5335	-0.2435	0.1675	0.3615	0.5315	0.1085	0.1565	0.0115	-0.3735	-0.1555	0.6805	0.1355	-0.4145	0.2015	0.4405	0.2795	0.3015	0.2775	0.9255	0.7135	1.0335	0.0565	0.7155	0.6795	0.5075	-0.1715	-0.1975	-0.0665	0.7425
0.371	0.282	0.464	-0.461	-0.368	0.188	-0.336	0.345	1.061	0.173	0.609	0.399	0.036	0.458	-0.115	-0.45	-0.563	-0.23	-0.283	0.222	0.074	-0.287	-0.314	-0.811	-1.127	-0.351	-0.008	-0.416	-0.628	-0.179
-0.291	-0.046	1.33	0.376	-0.598	0.186	-0.172	-0.198	-0.368	1.464	-0.001	0.485	-0.346	-0.31	-0.515	0.197	-1.111	1.152	1.452	1.037	1.401	-0.728	-0.422	0.031	-0.094	1.263	0.537	1.759	-1.471	-0.303
-0.116	-0.687	-1.354	-0.382	-0.773	-0.288	-0.044	-0.168	-0.761	-0.616	-0.429	-0.96	-0.29	-0.353	0.606	0.473	-0.339	-0.921	0.73	-0.196	-0.518	-0.164	0.363	0.268	-0.468	-0.693	-0.417	0.274	1.277	-0.365
0.0375	-1.0785	-0.0545	0.4645	0.4725	0.8245	1.1995	1.2365	0.7865	0.1965	0.3285	1.4085	2.2425	0.9545	1.0135	1.2435	0.0315	2.2945	1.7325	0.1115	1.5645	2.5795	1.6135	0.3265	0.0045	1.7705	1.2515	1.0615	0.0425	-0.2495

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0504 LUMINAL	9830-0200 LUMINAL	BR95-0035 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
-0.3315	0.5385	-0.6975	-0.4975	0.5465	0.1685	0.1985	-0.1835	-0.0315	0.1425	0.0205	-0.1915	-0.1705	-0.1335	-0.4235	-0.3065	-0.5195	-0.1785	0.0245	0.0005	0.1665	-0.6725	-0.3125	-0.7755	0.5875	-0.0875	-0.1815	0.1465	-0.1845	0.1585
-0.7535	-1.0625	-0.5665	0.4525	0.1035	0.5895	0.5025	0.3675	0.9705	0.8735	0.5945	-0.0705	-0.4205	-0.1975	-0.2555	-0.4325	-0.5015	-1.4115	-2.6775	-0.1765	0.3915	1.3215	0.6035	-1.0815	-0.2665	-0.5005	-0.5835	-0.1055	-0.1875	0.1585
0.6365	0.5795	0.6735	0.7305	1.1365	1.7675	1.2275	1.0655	0.6415	-0.1235	0.2705	0.8615	0.8245	0.8215	0.1135	0.1955	0.7455	-0.3145	1.7205	0.6715	1.4585	2.1905	0.9305	0.6965	1.5995	1.7245	1.4455	1.5085	-1.2585	-0.3855
0.0195	-0.4265	1.0585	1.2345	1.0865	0.9205	1.0495	0.8125	0.7985	1.2215	0.9725	1.1045	0.2815	0.7485	0.9785	0.4825	0.1535	-0.6875	-0.0035	-0.0515	0.0935	0.4375	0.0495	0.7375	-0.1125	0.2875	0.7025	0.0805	0.0395	1.6225
-1.125	-1.305	0.151	-0.286	-0.09	-0.647	-0.035	0.096	-0.127	-1.019	0.031	-0.811	-1.079	-0.818	2.116	-0.66	0.763	-0.935	1.034	0.416	-0.104	0.426	-0.205	0.513	-0.118	0.027	0.025	0.312	1.181	0.726
0.2065	0.3805	0.1225	-0.6965	0.7025	0.1335	1.3105	0.4955	0.8275	-0.2675	-0.6755	1.0935	0.8555	0.0255	0.3875	0.3715	1.0705	-0.6335	-0.8045	1.0675	0.6875	0.9855	0.9365	-0.4325	1.3205	0.2595	0.0505	-0.2835	2.5175	0.7155
-0.9905	-0.2945	-1.2775	-0.1635	-0.3695	0.4685	0.3225	0.5845	0.3115	-0.0865	0.5005	-0.3345	-0.5325	-0.3665	2.4525	1.1845	0.5755	0.0715	-0.1115	-0.3505	-0.8535	1.1745	0.7905	-0.1785	1.2085	0.4195	0.9175	0.7545	0.4975	-0.5355
-0.779	-0.285	0.754	0.044	-0.412	-0.397	-0.523	-0.296	-0.42	-0.408	-0.233	-0.56	-0.009	-0.302	-0.372	-0.445	-0.56	-0.452	-0.532	-0.327	-0.058	-0.026	-0.139	-1.119	-0.239	0.249	0.121	-0.294	-0.585	0.149
-0.7795	-1.6215	0.7395	-0.0535	0.6465	0.5045	1.6105	1.3375	1.7015	-0.3265	0.3315	3.3635	1.4005	1.8975	-1.3175	0.3515	1.2905	1.3725	3.1825	2.8785	2.2945	3.3925	1.6895	2.1035	2.5575	3.1685	2.8495	3.6715	2.8595	1.4495
-0.077	-0.642	0.413	0.75	0.433	1.3	-0.043	0.506	-0.029	-0.105	-0.526	0.027	-0.196	0.469	0.684	-0.07	-0.699	-0.653	-0.442	-1.728	-0.866	1.291	0.058	-0.051	-0.614	-0.84	-0.316	-0.921	-0.066	-0.901
-0.2425	0.1255	0.5985	0.1305	-0.4515	-0.3445	-0.3855	-0.3685	-0.0465	0.1165	-0.6335	-0.2205	-0.3705	-0.2835	0.0315	0.1675	0.3975	0.5275	-0.7265	-0.2785	-0.5755	0.1765	-0.0095	0.1975	0.7885	0.1395	0.2225	0.1415	-0.1105	0.1585
-0.1575	-0.3885	-0.0515	-1.2005	0.1335	0.0555	-0.9495	-0.6175	-0.2855	-0.4695	0.4505	-0.5925	-0.1875	-0.5085	0.2175	-0.3475	-0.0955	-0.2455	0.7765	-0.1555	0.1575	-0.8635	-0.6305	0.4715	0.8925	0.3965	0.0105	0.3165	-0.0755	-0.1885
-0.3035	1.4685	-1.2235	-1.3505	-0.9285	-0.4695	-0.6975	-1.3435	-0.2935	-1.0035	-1.0035	-1.4075	-0.5655	-0.7135	-1.2915	-1.1425	-0.0845	-0.4335	-1.0485	-0.3135	0.1165	-0.0005	0.1845	-1.2075	-1.0965	-1.6135	-1.0475	-0.9875	-0.6725	-0.2085
-0.4455	0.1885	-0.1035	-0.7745	-0.4155	0.6155	-0.4035	-0.0225	-0.0975	-0.1965	-0.3365	-0.0625	-0.5645	-0.7095	-0.1435	-0.1395	-0.0095	0.3455	-0.1595	-0.4925	-0.7595	-0.4275	-0.3615	-0.5455	-0.1105	-0.3815	0.0585	-0.2775	-0.1495	-0.0475
-0.2305	-0.4925	0.3985	-0.0055	0.7245	-0.1695	0.0825	0.4465	0.4535	0.3805	0.2855	0.3405	0.1755	0.0055	0.3065	0.0675	-0.4635	-0.0055	-0.7225	-0.7045	-1.3855	0.2845	-0.0805	-0.4255	-0.2875	-0.2925	0.2215	-0.1255	0.0355	0.1745
-0.667	-1.279	-1.161	-1.16	-1.096	-1.128	-0.524	-1.14	-0.708	-0.834	-0.833	-1.073	-0.087	-0.77	-1.268	-1.319	0.061	0.258	-0.16	0.197	-0.537	-0.268	0.003	-1.526	-0.994	-1.167	-0.768	-1.023	0.17	-1.147
-0.808	-0.702	-0.734	-0.042	0.456	0.224	0.721	0.559	0.852	-0.376	0.025	-0.22	-0.429	0.004	0.276	0.152	0.478	-0.905	1.408	1.029	1.834	1.17	1.002	0.169	0.054	0.492	0.989	1.278	0.144	-0.434
0.0795	-0.5115	-0.4185	0.4835	-0.2765	-0.0955	0.0105	0.2725	-0.2405	0.2505	-0.0585	0.0535	0.0855	-0.0275	0.0625	-0.0105	-0.1675	-0.2535	0.2755	0.1525	-0.0875	0.3665	0.2165	0.0925	-0.0075	-0.1635	-0.1865	0.0035	-0.4305	-0.9925
0.442	0.976	-0.535	-0.015	-0.184	0.922	-1.289	0.123	-1.353	-0.746	-0.662	-0.764	-0.595	0.57	0.789	0.979	-0.487	0.981	1.175	-0.18	-0.607	0.619	-0.349	0.964	0.561	-0.207	-0.194	-0.039	-0.774	-1.917
2.148	1.122	0.903	-0.781	-1.792	0.055	0.029	1.02	0.966	0.905	-0.182	0.025	1.283	2.905	5.983	-0.491	-0.014	-0.404	-1.135	-0.087	-0.125	-0.38	-1.042	-1.427	-1.567	-1.036	-0.596	-1.938	-0.878	0.128
-0.25	-0.333	0.093	-0.206	0.612	-0.63	-0.468	-0.02	-0.122	-0.304	-0.259	-0.205	-0.308	-0.339	-0.076	0.261	-0.711	-0.192	1.986	-0.14	-0.232	-0.326	-0.139	0.63	-0.675	-0.254	-0.022	0.039	0.188	-0.226
-0.911	-0.988	1.068	-0.337	-0.268	-0.181	-0.246	-0.223	0.056	-0.508	0.223	-0.402	-0.426	-0.408	-0.082	-0.425	-0.245	0.315	-0.149	0.012	0.191	0.496	0.347	0.382	-1.304	-0.118	0.657	1.472	1.49	0.278
0.512	0.727	-0.106	-0.014	0.264	0.777	0.038	0.179	-0.117	-0.443	-0.425	-0.106	0.165	0.075	0.258	0.388	0.113	0.23	0.052	-0.319	-0.146	-0.074	-0.065	0.845	0.181	0.264	0.866	1.037	-0.031	-0.307
-0.822	-1.104	-0.171	0.488	-0.27	-0.539	0.151	-0.094	-0.404	-0.111	-0.171	-0.23	0.215	-0.585	-0.731	-0.563	0.214	-0.324	0.943	0.683	1.027	0.43	0.09	0.934	0.378	-0.014	-0.31	-0.448	-1.051	-0.628
0.275	-0.032	0.587	-0.054	0.362	-0.247	-0.15	0.026	-0.079	0.007	-0.316	-0.324	0.018	-0.186	-0.221	-0.007	-0.206	0.271	-0.011	-0.233	0.01	-0.412	-0.312	0.266	0.027	-0.265	0.396	-0.058	0.041	0.072
1.6625	2.2415	-1.0815	0.3835	2.9195	-0.7505	1.8425	1.4365	-0.2015	-0.6085	-0.1935	-0.8795	2.4665	0.3205	3.9455	0.9225	1.0345	-0.9695	-1.1605	0.0005	-1.3225	-0.8655	-0.6875	-0.4265	-0.4045	-0.9775	0.7945	0.2285	1.5515	1.4595
-0.3795	-0.9885	0.3565	-0.5095	-0.5665	0.2355	-0.1075	0.3785	0.3235	0.2495	0.3895	0.0445	0.3305	-0.0875	-0.2725	-0.4715	-0.9775	-0.5795	-0.1015	0.2025	-1.2125	0.1265	-0.6395	-1.1625	-1.3055	-0.7745	-0.6695	-1.1325	-0.0115	0.3855
0.374	0.338	0.628	0.858	-0.256	1.38	-0.205	-0.141	-0.526	0.684	-0.107	-0.497	-0.128	-0.108	0.191	1.621	-0.264	-0.409	-0.329	0.156	1.542	0.595	-0.454	0.768	0.236	0.821	0.178	0.244	-0.148	0.263
-1.353	-1.645	-0.113	-0.665	-0.481	-0.228	-0.283	-0.9	-0.406	-0.257	0.032	-0.512	-0.059	-0.778	-1.397	-1.262	-1.25	-1.145	0.098	-0.182	-0.529	-0.333	-0.986	-0.637	-0.69	-0.184	-0.761	0.17	1.393	-1.024
-0.382	0.761	-0.49	-1.094	-1.093	1.078	-0.952	-0.442	-1.075	-1.538	-1.089	-1.145	-0.694	-1.81	-1.029	-1.351	-0.164	-0.807	0.008	-0.257	-0.09	-0.476	-0.095	-0.589	-1.021	-1.201	-1.158	-0.515	-0.375	-0.004
-0.053	-0.633	-1.243	-1.592	-1.347	-0.784	-1.717	-1.6	-1.193	-1.126	-1.123	-1.306	-0.967	-1.033	-0.837	-0.776	-0.212	-0.043	-0.038	-0.743	-0.743	-0.141	-0.696	-0.501	-0.725	-1.49	-1.304	-1.078	-0.706	-0.551
0.258	0.516	0.17	-0.526	-0.775	0.379	-0.668	-0.993	-0.664	-0.416	-0.533	-0.399	-0.129	-0.227	-0.108	-0.076	0.003	-1.021	-1.198	-0.299	-0.469	-1.683	-1.179	-0.201	-0.341	-0.254	-0.276	-0.676	0.234	0.226
0.8255	0.8865	0.2725	-0.4795	-0.2005	0.4685	-0.2565	0.0835	0.2045	0.1865	-0.4215	0.0315	0.1955	-0.1975	0.3515	-0.0355	0.3075	-0.2305	-0.4885	-0.8245	-0.2625	-0.6575	0.3415	-0.7395	-0.1735	-0.4025	0.4105	-0.2545	-0.2625	-0.2185
-1.4325	-1.0085	0.7725	0.1105	0.1905	0.6625	0.6515	0.8225	-0.0235	-0.1975	-0.3605	0.3425	0.2215	-0.0655	0.4605	1.9045	1.0205	0.1875	1.2435	0.0295	0.2735	0.7415	0.6815	1.0115	-0.1745	1.1955	1.1355	1.3085	0.9445	0.3255
-0.216	0.134	0.24	-0.412	-0.189	0.004	-0.663	-0.426	0.073	-0.21	-0.178	-0.134	0.032	-0.272	-0.073	0.125	0.39	0.087	-0.539	0.227	0.128	-0.075	0.087	-0.456	0.273	0.154	0.105	0.372	1.475	0.779
0.091	-0.685	-0.194	-0.064	-0.037	-0.018	-0.243	-0.638	-0.156	-0.129	0.125	-0.398	0.094	-0.615	0.561	0.288	-0.607	-0.681	-0.067	0.207	0.165	-0.097	-0.143	0.743	-0.33	-0.297	0.026	0.355	-0.112	-0.076
-0.3585	0.2885	0.2995	0.6725	0.1035	0.0005	0.1325	0.4045	0.1135	-0.1145	-0.0005	0.2055	0.5175	0.2755	0.0495	-0.1585	0.1445	0.7695	0.1085	-0.0535	0.0315	-0.0505	0.1335	0.9045	0.0725	0.2905	0.9375	0.6355	-0.3165	-0.2285
-0.219	-0.239	0.344	-0.483	-0.178	-0.953	-0.499	-0.082	-0.267	0.333	1.786	-0.043	-0.179	-0.126	0.751	0.037	1.119	0.482	0.932	0.68	0.54	-0.075	-0.269	-0.278	-0.092	-0.085	0.094	-0.114	0.411	0.84
-0.024	0.141	0.103	0.018	-0.343	0.579	-0.664	0.669	0.575	0.403	0.399	-0.323	-0.326	-0.463	-0.062	-0.227	-0.456	-0.142	-0.152	-0.144	-0.074	-0.024	-0.32	-0.584	-0.71	-0.592	-0.8	-1.096	0.063	0.325
0.237	0.184	0.164	0.999	-0.361	-0.206	-0.11	0.109	-0.308	-0.071	-0.355	-0.824	0.028	0.495	1.682	2.957	0.765	0.31	6.526	0.007	0.089	-0.169	-1.006	2.078	-0.238	-0.956	-0.638	-1.047	-0.209	0.487
-0.642	-0.419	2.977	0.735	0.432	0.549	1.111	0.84	-0.927	-0.054	-0.853	0.148	-0.268	0.917	0.375	-0.877	1.023	0.365	0.034	-0.136	-0.485	1.093	-0.258	1.075	-0.293	-0.758	0.308	-1.115	-2.188	-0.304
0.1825	-0.0285	-0.1655	-0.0685	-0.0445	0.5775	-0.3735	-0.4045	-0.1765	0.4575	-0.3085	0.1685	-0.2295	-0.0205	0.3215	0.7025	0.3845	1.0505	0.5085	0.1435	-0.0645	0.2155	-0.3145	-0.0005	1.2805	0.4675	0.0285	-0.1525	-0.1855	0.6435
0.33	0.544	0.606	-0.028	-0.851	1.14	-0.076	-0.404	-0.055	0.723	-0.391	0.586	0.247	-0.431	-0.219	-0.22	0.168	-0.368	0.603	-0.578	0.339	-0.407	-0.164	-1.431	0.268	-0.191	0.65	0.586	-1.157	0.274
-0.1665	-0.3555	-0.2665	0.7935	0.9055	0.0625	0.4905	0.2825	1.8805	0.5175	1.1055	1.5815	0.2115	0.0155	-0.0445	0.2015	-0.0515	2.4245	0.2825	0.0545	-0.6265	1.0885	1.1965	-0.8245	-0.2075	-0.3255	-0.5325	-0.8365	0.4685	0.4575
-0.2425	-0.8785	-0.0095	-0.1585	-0.7795	-0.5675	0.6365	1.8885	0.7225	-0.6675	-0.1905	0.2065	0.7085	0.8775	0.6505	-0.1755	-0.4185	1.2395	0.9495	0.9955	0.5955	1.2115	1.1155	0.0805	-1.4415	0.8555	0.4205	0.8365	0.6065	-0.9955
1.236	1.124	0.2	0.719	1.07	0.447	0.641	1.619	0.39	0.911	0.369	0.413	0.574	0.9	1.476	0.409	0.731	-0.859	-0.952	-0.117	0.371	-0.216	-0.501	-1.341	-0.333	-0.498	0.352	-1.576	-0.465	1.222
-0.2665	0.0515	0.6165	-0.4495	-0.5195	-0.1175	-0.3355	-0.4205	-0.0075	-0.4945	0.0915	-0.4065	-0.0475	-0.6875	-0.0475	-0.1255	-0.0575	0.1385	-0.2825	-0.2095	-0.0685	-0.2385	0.2115	-0.1465	-0.7815	-0.4195	-0.0595	-0.0505	0.3115	0.2875
-0.106	0.226	-0.279	-0.068	0.088	0.117	-0.129	-0.009	0.187	-0.123	0.059	0.334	0.002	0.027	0.277	0.317	0.976	0.51	-0.008	0.485	0.107	-0.038	0.347	0.488	0.637	0.409	-0.16	-0.832	0.45	0.307
-0.929	-0.798	0.005	0.062	-0.388	-0.412	-0.503	-0.503	-0.439	-0.485	-0.632	-0.799	-0.097	-0.584	-0.562	-0.341	-0.671	-0.002	0.164	-0.405	-0.479	-0.147	-0.077	-0.049	-0.448	-0.652	-0.506	-0.109	-0.285	-0.18
0.7625	0.1675	0.3485	-0.2735	0.6735	0.6865	0.0695	1.0965	0.6825	0.6125	0.8585	1.5195	0.1195	0.9555	1.0965	1.0135	0.5935	-0.0955	-0.6765	1.5825	1.0595	-0.0665	-1.1455	-1.3195	-0.3875	0.8415	0.0985	-1.2575	-1.0915	-0.0105
-0.2835	-0.0525	-0.0215	-0.0845	-0.8745	-0.2555	-0.1155	-0.1015	-0.1465	-0.3655	0.0295	-0.1395	-0.4095	0.0655	-0.4285	-0.3165	-0.1335	0.8195	0.5025	0.6135	0.5055	-0.1955	-0.0255	-0.4715	0.3135	0.3625	-0.1135	0.2675	-0.3365	-0.1455
-0.5625	-0.1955	-0.2565	-0.2595	-0.7625	-0.0895	-0.2935	-0.6985	0.3385	-0.5865	-0.3025	-0.7945	-0.4545	-0.5965	-0.8165	-0.7975	0.1835	-0.8395	0.1635	0.1895	-0.2945	-0.1845	0.5465	-0.4635	-0.6655	-0.8375	-0.2515	-0.1455	-0.2765	-0.3725
-0.182	-0.103	0.151	0.277	0.211	-0.333	0.114	-0.076	-0.01	0	-0.138	0.251	0.246	-0.079	0.169	0.148	0.6	-0.539	0.461	0	0.306	0.243	0.564	1.081	0.535	0.323	0.999	0.773	-0.288	-0.125
0.212	0.471	-0.414	-0.508	0.411	-0.737	-0.784	-1.259	-0.164	-0.833	-0.429	-1.832	-0.357	-1.005	0.47	-1.365	-0.643	-1.826	-0.908	-0.608	-0.601	-1.016	-1.129	-0.937	-1.032	-2.351	-0.791	-1.017	0.038	-0.425
-0.248	0.424	0.145	-0.602	1.051	-0.369	0.072	0.651	0.287	0.263	0.013	-0.503	-0.168	0.423	0.339	-0.07	-0.12	1.374	0.692	-0.24	0.121	-0.286	0.242	-0.091	1.01	0.842	1.139	1.357	1.289	0.794
-0.2855	-1.1135	-0.0885	0.7735	-0.0825	0.4595	1.0225	0.4935	0.3345	-0.6035	-0.1505	0.5525	0.1925	0.5825	0.2805	1.6575	0.8065	1.0885	1.1285	1.3745	1.3545	0.9055	1.7435	1.2295	1.2475	2.2455	0.6025	0.7005	0.7265	-0.2985
0.329	0.105	0.738	0.257	-0.206	0.049	-0.136	-0.699	-0.819	-0.497	-0.564	-0.858	-0.766	0.335	0.208	0.364	-0.048	-0.594	-0.71	-0.731	0.373	-1.443	-1.543	-0.274	0.219	1.393	1.036	1.486	0.29	-0.402
0.1725	-0.9655	0.1955	-0.3725	0.3385	0.0405	0.2925	0.4015	0.0915	-0.2345	0.5115	-0.2385	0.6885	0.3315	-0.2315	-0.2415	-0.3575	0.0285	1.0305	4.6585	0.3895	-0.0335	0.0545	-0.3905	-0.6255	-0.2175	-0.3825	-0.0285	-0.0655	-0.0515
-0.4575	-0.3585	0.0445	0.1435	0.0085	0.3385	-0.2275	0.1655	0.0175	-0.1715	-0.0975	-0.3485	0.3485	-0.6865	-0.3815	-0.3445	-0.4965	-0.9825	-0.4755	0.0205	-0.0085	0.6005	-0.9065	0.5255	-1.0855	-0.5895	-0.6305	-1.3545	1.2115	0.7185
0.2965	-0.5235	-0.4655	0.5245	-0.1575	0.3625	0.2075	0.0525	-0.2605	-0.5025	0.3645	-0.1035	0.0925	0.4755	-0.1535	0.0945	0.1825	0.5355	-0.1495	0.1065	-0.1385	-0.6155	-0.5075	-0.1895	-0.0455	-0.2765	0.0035	-0.2215	1.1385	0.0015
-0.6415	-0.3335	0.3095	-0.0775	0.3385	0.1695	0.1035	-0.0255	0.4945	0.1185	0.3285	-0.2365	0.2625	-0.4085	-0.2145	-0.1795	0.6095	-0.0755	1.3195	1.1915	1.2355	0.9515	1.1015	0.9195	0.5315	0.7425	0.9965	1.4495	0.4445	0.5635
-0.4055	-0.6025	-0.3335	0.8535	0.0125	-0.2455	0.1045	0.0325	-0.0115	0.0865	-0.0735	0.2215	-0.1955	-0.0335	-0.1825	1.6505	0.2055	0.4195	-0.0785	-0.1715	0.1885	0.3475	-0.0615	0.3705	0.0615	0.5375	0.2895	-0.2025	1.0555	0.8265
0.7735	0.6135	0.0095	-0.7575	-0.1475	0.0605	-0.2765	-0.1895	-0.2305	-0.2005	-0.1385	0.5285	-0.3415	0.2115	0.5885	1.0375	0.5835	0.6135	-0.0095	-0.3615	-0.6305	0.0365	-0.2385	0.6435	0.4405	-0.2555	0.2155	-0.3885	0.0535	0.4265
0.6045	-0.0925	-0.0585	2.0435	0.4915	0.5785	-0.0185	0.4275	0.0035	0.3675	0.1505	-0.0335	0.9765	0.7225	-0.4365	-0.3385	-0.3655	-0.6995	-1.1015	-0.0765	-0.0035	-0.4755	-0.4435	0.9145	-0.6395	-0.3085	0.4525	0.3165	-0.0045	-0.2035
-0.0785	-0.2905	1.1095	-2.2685	-0.2045	-1.2325	-1.3585	-0.3605	-0.8135	-0.1555	1.4095	1.3795	0.4765	-0.1825	-0.6965	1.5285	1.7435	1.5495	3.7975	2.7995	0.9255	-2.6845	0.1155	-0.3635	-1.0705	-1.1865	0.8325	1.0815	3.2005	-0.1875
0.0075	-0.4625	0.3045	-0.5955	-0.2495	-0.1215	-0.3445	0.4475	0.6235	0.2005	0.0885	-0.1215	-0.4845	-0.2875	0.0465	0.1055	-0.0495	-0.0035	-0.1905	-0.0485	-0.3655	-0.3735	-0.1855	-0.0785	0.0365	-0.1535	-0.1175	-0.3385	0.4645	0.1635
-0.0145	0.3085	-0.5445	-0.5465	-0.1955	0.0095	-0.3985	-0.8005	-0.7915	-0.9285	-0.1965	-0.6245	-0.0715	-0.3375	-0.5485	-0.0255	-0.0145	-0.1365	-0.1075	0.2105	0.1885	-0.4445	-0.0865	-0.0275	-0.0805	-0.6375	-0.2665	-0.1715	-0.4015	-0.4995
0.0585	1.3745	0.1275	-0.1985	0.0425	-0.4555	-0.4865	-0.0065	-0.2935	0.0925	-0.5595	-0.4375	-0.3175	0.0085	0.3745	0.1715	0.0705	-0.6685	-0.1495	-0.9495	-0.2015	-0.2515	-0.0555	-0.3015	0.6155	0.2705	0.2365	0.3925	-0.1595	0.2455
0.281	0.521	0.465	0.67	0.621	-0.553	0.731	1.078	-0.348	0.137	-0.64	0.708	0.55	0.489	0.214	1.1	0.453	0.607	-2.804	1.194	0.447	0.46	0.411	1.768	1.807	1.263	-0.601	-0.38	0.9	0.231
0.051	-0.194	1.349	0.638	0.164	0.701	1.35	1.279	0.362	0.441	0.688	0.951	-0.271	0.51	0.685	0.904	0.782	1.034	0.139	1.991	0.189	0.921	1.199	0.072	1.593	1.89	0.616	1.039	1.7	1.738
-0.4695	0.0745	0.3055	-0.7735	-0.4895	-0.1175	-0.5765	-0.0705	-0.3555	0.1345	0.3785	-0.3295	-0.5285	-0.6325	0.5485	0.0395	0.7295	-0.2275	-0.4005	0.3365	-0.7645	-0.2505	-0.1445	-0.4275	-0.0935	-0.0775	0.1375	-0.2705	0.0425	-0.1125
-0.0415	0.3955	0.3155	-0.9945	-0.7875	0.0835	-1.0115	-0.6965	-0.5375	-1.0695	-1.0715	-0.2985	0.1145	-0.1485	-0.7545	-0.3845	-0.2525	0.6705	-0.3395	-0.3045	-0.5535	0.0805	-0.3125	-1.1065	-0.9625	-1.0285	-0.8915	-0.9135	-0.6775	-0.7125
0.333	-0.055	-0.259	-0.359	-0.741	-0.377	0.047	-0.475	0.032	0	0.005	-0.098	-0.232	0.016	-0.216	-0.51	0.677	0.424	-0.091	0.217	0.269	-0.647	-0.566	0.134	0.419	0.018	0.347	0.247	-0.109	-0.123
-0.539	-0.076	-0.23	-1.211	-0.839	-0.616	-1.262	-0.436	-0.653	-0.695	-0.231	-0.985	-0.338	-1.373	-0.731	-0.724	-0.139	0.715	0.073	-0.003	0.018	-0.366	0.296	-0.157	-0.401	-0.833	-0.495	-0.395	-0.458	0.064
0.121	-0.173	-0.199	-0.35	-0.844	-0.516	-0.456	-0.496	-0.267	-0.523	-0.604	-0.491	0.211	0.01	0.111	-0.235	0.001	-0.53	-0.83	-0.369	-0.286	-0.895	-0.28	-0.318	0.283	-0.032	-0.263	-0.126	-0.039	-0.604

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-7240 LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0504 LUMINAL	9830-0200 LUMINAL	BR95-0035 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
-0.0795	-0.3625	-0.0105	0.1715	0.0035	-0.0845	0.1855	-0.0505	-0.0775	0.2255	0.1585	0.0125	-0.0685	0.0705	0.0785	0.0315	-0.0315	-0.0495	-0.0875	0.1375	-0.1565	0.0355	0.1835	0.0045	0.0685	0.0295	-0.1775	-0.2855	-0.3345	-0.2405
-0.584	-1.214	-0.462	-0.083	-0.169	0.535	0.28	0.12	-0.015	-0.276	0.003	-0.305	0.046	-0.693	-0.443	-0.633	-0.37	0.205	-1.143	-0.326	-0.342	0.443	0.17	1.207	-0.964	-0.408	-0.18	0.318	0.162	-0.05
-0.664	-1.027	2.054	0.428	1.544	0.275	0.59	0.182	-0.499	-0.795	1.441	1.597	-0.133	0.266	-0.376	-0.139	1.097	1.452	1.46	2.204	1.418	-0.887	-1.76	2.168	0.206	1.242	2.02	2.372	-0.057	1.783
-0.741	-0.689	-0.205	-0.62	-0.411	-0.545	-0.427	0.038	-0.187	-0.521	0.082	-0.393	-0.881	-0.526	-0.291	-0.263	-0.325	-0.311	-0.563	-0.57	-0.608	0.187	0.098	-0.478	-0.005	-0.163	0.166	0.664	0.971	-0.001
0.192	0.396	0.091	-0.441	-0.22	-0.168	-0.325	0.267	-0.07	-0.197	-0.431	-0.176	-0.251	-0.226	0.122	0.058	0.276	0.093	-0.349	-0.61	-0.243	-0.632	0.117	-0.293	0.695	-0.331	0.203	-0.027	0.038	-0.086
-0.441	-0.331	1.018	1.27	-0.082	-0.06	1.278	0.992	0.77	-0.343	0.094	0.094	0.099	0.187	0.455	0.262	0.527	-0.34	0.646	-0.086	-0.052	1.628	1.439	1.028	-0.147	0.743	0.676	0.951	0.738	0.081
0.24	0.282	0.056	0.151	-0.13	-0.338	0.08	0.487	0.179	-0.975	0.209	-0.593	-0.003	0.245	0.565	0.674	1.224	0.208	-3.055	-1.888	-0.896	-1.129	0.241	1.699	-0.651	-0.106	0.11	-0.384	-0.182	-0.111
0.127	0.005	-0.311	0.221	0.566	0.778	0.329	-0.168	-0.165	1.074	0.084	0.176	0.068	-0.079	-0.64	-0.302	-0.233	0.024	-0.428	-0.345	0.221	0.819	-0.082	-0.115	-0.008	0.225	-0.181	0.031	-0.395	0.141
-0.084	-0.435	-0.605	-0.639	-0.43	0.072	-0.556	0.001	-0.015	-0.247	-0.362	-0.839	-0.348	-0.01	-1.195	-1.349	-0.866	0.262	0.559	0.021	0.705	-0.579	-0.458	-0.627	-1.043	-0.977	-0.864	-0.72	-0.242	0.135
-0.5935	-1.0765	0.4125	-0.3145	-0.4525	-0.0305	-0.0525	-1.1065	-0.4885	-0.4985	0.1695	-0.4495	-0.1245	-0.3535	-0.2505	-0.4205	-0.5625	-0.9565	-0.3455	-0.2275	-0.1085	0.0785	0.2105	-0.2275	-0.1385	-0.1875	-0.2305	-0.0125	0.8125	-0.4495
0.027	-0.578	0.217	0.05	0.044	0.382	0.999	-0.227	-0.019	-0.45	-0.413	0.589	0.375	-0.239	-0.13	0.011	0.504	0.916	-0.895	-0.6	-0.074	0.129	-0.12	0.11	0.549	0.473	-0.035	0.309	0.258	-0.046
0.027	-0.701	-0.486	-0.728	-1.124	-0.629	-0.701	-0.555	-0.844	-0.24	-0.364	0.023	0.003	-0.228	-0.337	-0.502	-0.475	0.598	0.052	-0.407	-0.328	-0.243	-0.604	-0.199	-0.235	-0.977	-0.748	0.413	-0.702	0.003
-0.1515	-0.4215	0.2305	-0.3765	-0.6985	0.2945	-0.5735	-0.1885	-0.3305	-0.6135	-0.0635	-0.2905	-0.1875	-0.6185	-0.3835	-0.4795	-0.5195	-0.3425	-0.8065	-0.4385	0.0185	-0.3815	-0.5655	0.0485	-0.6315	-0.4745	-0.0035	0.0685	1.4435	0.7185
-0.269	-0.135	0.621	0.096	0.391	-0.054	0.342	-0.241	-0.374	-0.771	-0.215	-0.149	-0.424	-0.27	0.345	0.295	0.356	0.225	-0.203	-0.163	0.265	-0.093	-0.295	-0.029	-0.265	-0.237	0.055	-0.346	0.449	0.166
0.1225	0.2545	-0.1955	0.4185	0.1325	0.0925	-0.1235	0.0845	0.1265	0.1385	0.2045	0.0045	-0.0425	0.1475	0.0095	1.3355	0.9055	0.4665	-0.1165	0.2175	0.4295	-0.0675	0.3035	0.0545	1.6335	0.9075	0.7115	0.6385	0.8735	0.5455
-0.0755	-0.3635	0.6255	1.2065	1.8425	1.3145	1.7795	1.3415	0.6315	0.9995	1.1775	1.2225	0.7665	0.9015	1.2465	1.1415	0.9655	-0.7015	-0.7715	0.7165	0.3285	1.4435	2.6195	1.7425	2.0705	2.5275	1.8595	0.9435	0.3135	0.0475
-0.2035	-0.3205	-0.0845	1.1855	0.1965	-0.7915	1.2685	1.1325	1.0055	0.3495	-0.5395	0.1455	-0.7405	0.3995	0.8055	0.4145	0.1025	-0.0075	-2.3425	0.8095	-0.7955	0.7395	1.1965	-0.7755	-1.4385	-2.0335	0.1845	-0.2055	-0.0225	0.2635
0.4165	0.6785	0.2605	0.3155	0.0715	0.3075	1.0895	0.4835	0.9165	0.5695	-0.8715	0.4195	-1.6515	0.9045	-0.0465	0.8765	0.1575	-1.9615	0.5165	1.0705	0.7485	0.4785	0.1815	-0.0985	0.3925	0.2245	-0.0075	0.6585	-0.1715	-1.0575
-0.0965	0.2505	0.4225	1.0805	0.0695	0.2245	0.4885	0.7935	0.8505	0.0175	0.5095	0.6125	1.2005	0.6735	0.6195	0.1065	0.4015	0.3695	-0.2625	1.1145	0.9455	1.3295	1.1975	1.3715	1.2435	1.5845	1.1865	1.2985	0.8395	0.7205
0.231	0.354	0.04	0.423	1.228	1.059	1.436	0.313	0.302	-0.538	0.135	0.372	0.886	1.006	1.501	0.313	-0.737	1.143	-0.541	1.946	-0.009	0.766	0.185	0.362	-1.617	-0.178	-0.472	-1.121	0.543	1.74
0.0355	-0.0335	0.2995	0.2195	0.1755	1.2405	0.6195	0.1435	0.0365	-0.1935	-0.0365	-0.3825	0.4795	0.0895	0.5035	-0.6345	-0.9445	-0.7215	-0.8905	-0.4275	-0.0305	1.5445	0.4185	0.2055	-0.6385	0.1515	0.3405	0.6735	0.5605	0.4915
-0.316	0.064	0.131	-0.688	-0.458	-0.051	-0.42	0.248	-0.132	0.337	0.805	-0.312	-0.415	-0.168	0.055	-0.566	0.259	0.203	-0.389	0.15	-0.039	-0.601	-0.151	-0.374	0.074	0.368	0.131	-0.165	-0.333	0.052
-0.4285	-0.4345	0.4755	-0.5325	-0.4785	0.7015	-0.4495	-0.4975	0.0265	0.2045	0.0635	-0.3635	-0.0495	-0.8205	-0.1345	-0.0715	-0.3675	-0.6105	-0.5185	-0.7485	-0.1125	-2.8165	-0.9935	0.1975	0.3825	0.0175	-0.3365	-0.0585	-0.8675	-0.2815
-0.004	-0.136	-0.293	0.188	-0.345	0.094	0.349	0.106	0.069	-0.008	-0.075	-0.149	0.313	0.254	0.215	-0.004	0.341	-0.884	-1.377	-0.084	0.285	0.364	0.459	0.108	1.48	0.721	0.644	0.828	-0.048	-0.558
-0.4995	-0.7735	1.1975	2.0765	1.2165	1.0895	0.7895	1.1665	-0.1745	1.0615	0.3395	-0.1805	0.0485	-0.0055	-0.6025	1.1905	1.0225	0.3355	-0.9745	-0.3475	0.4015	1.2535	0.0055	2.2445	-0.4265	-1.0925	1.7495	1.8535	0.7635	0.0985
0.07	0.423	0.158	-0.355	-0.312	-0.395	-0.146	0.192	0.261	-0.514	0.312	0.311	0.032	-0.042	-0.051	-0.575	-0.129	-0.202	-0.304	0.175	0.371	0.099	0.603	-0.307	-0.551	-0.3	0.343	0.057	0.343	0.166
-0.3735	-0.3505	-0.6805	-0.9745	-1.1795	-0.3625	-1.6345	-0.3045	-0.3705	-0.3505	0.4175	1.4195	0.5575	-0.3005	0.0915	0.0565	-0.0055	5.0135	0.0155	0.2105	0.7815	0.0055	0.4515	-0.9965	2.3525	-0.5075	-0.1555	1.0735	0.9825	4.4345
-0.712	-0.668	0.168	0.016	-1.253	-0.242	0.304	-0.185	0.089	-0.016	0.073	0.34	0.26	0.154	-0.079	-0.287	0.049	0.362	0.59	0.386	0.327	-0.268	0.331	0.218	0.767	0.144	0.505	0.094	-0.121	0.046
-0.23	-0.123	0.162	-0.377	-0.138	-0.024	0.354	0.161	-0.343	-0.548	-0.05	0.159	-0.27	-0.416	-0.179	0.183	-0.3	0.05	0.732	0.25	-0.39	0.909	0.158	0	0.299	0.111	0.402	0.66	0.267	0.089
0.9835	0.8385	-1.3825	-0.6845	-0.6145	0.3335	-0.9375	-1.1615	-0.1125	0.3425	0.2515	-0.2795	0.4035	0.2965	-0.1245	-0.0525	-0.1045	0.0015	-0.6915	0.4725	0.5175	-0.8695	-1.1985	-0.7745	-0.7225	-0.0105	-1.1115	-1.1275	-0.1445	0.5705
0.0895	0.7265	0.3725	-0.2165	-0.8135	0.0345	-0.0765	-0.8995	-0.3665	0.4955	-0.0125	0.1375	-0.1165	-0.3645	-0.0015	0.4375	-0.0595	0.5015	-0.9635	-0.2745	-0.5665	-0.4315	-0.2835	-0.8195	0.7525	0.3755	-0.1685	-0.2365	-1.0265	-0.1045
-0.4805	-1.4595	1.4765	1.4845	1.5945	0.8845	1.4785	2.0335	0.4645	0.1315	0.6685	0.6075	0.0065	0.6235	0.2525	-0.1735	-0.3875	-0.9085	1.6565	2.2695	1.1855	1.1555	0.5055	2.0155	0.1465	2.0305	1.3155	2.5525	1.6055	0.5515
0.424	-0.028	0.004	-1.243	-0.168	0.568	0.275	0.251	0.182	-1.133	0.468	-0.686	-0.632	0.353	0.274	2.631	0.279	0.799	0.27	0.488	-1.297	0.72	0.531	0.514	-4.021	-2.624	0.117	-1.558	2.282	-0.608
-0.2705	-0.0775	-0.0955	-1.1165	-0.1745	0.0075	-0.9685	-0.0805	0.2305	-0.1505	0.5335	-0.0955	-0.2105	-0.2665	0.3735	-0.7665	0.5255	0.0365	-0.0075	-0.0125	-0.8125	-0.1315	0.3035	0.0115	-0.2555	-0.0395	0.2025	0.2425	-0.1635	0.5095
1.7615	1.9405	-0.0685	-0.2795	-0.5735	-0.1725	-0.4585	-0.1365	0.1425	0.4735	0.3345	-0.2745	0.1735	1.2875	0.3575	0.0955	0.0205	-0.1715	-1.6785	0.1275	0.2025	-1.4235	-0.3945	-0.7845	-0.5165	-0.6165	-0.1885	-1.5475	0.1735	0.2265
-2.216	-2.176	-0.236	1.096	0.517	-0.708	0.946	0.438	-0.226	-0.634	0.054	1.148	-0.002	-0.096	-0.091	-1.179	0.73	0.804	1.394	1.274	0.644	1.175	0.495	1.53	0.987	1.467	0.526	1.18	0.951	-0.706
1.5545	3.1065	0.7775	0.1505	0.6905	1.4005	-0.2395	-0.2395	0.4735	1.3305	0.2565	0.1805	-0.3395	0.9195	0.5705	0.3705	0.3005	-0.8425	-0.2395	-1.0115	0.9945	-1.5495	-1.0495	-1.6795	-0.5895	-0.6295	-0.0095	-1.8395	-0.9895	0.1105
-0.2595	0.2125	0.2305	1.0355	0.6425	0.4005	0.1985	0.4895	0.2425	0.8035	0.2185	0.4495	0.1785	0.3575	0.4235	0.3145	0.4155	-0.0165	0.6215	0.5295	0.9115	-0.1045	-0.2475	0.3905	1.0615	0.6685	0.8625	0.7925	0.1235	0.5505
-0.845	-0.408	0.199	-0.802	-0.78	-0.361	-1.132	-0.386	0.111	0.098	-0.428	0.446	-0.168	-0.928	-1.105	0.322	-0.082	-0.664	-0.593	-0.834	-0.946	-0.034	-0.19	-0.782	-0.945	-1.547	-0.552	-1.071	0.051	0.699
0.7565	0.6585	0.2165	0.1425	-0.3065	-0.3485	-0.1025	1.9805	0.6895	0.5275	0.7555	1.3375	1.2155	1.2155	1.7885	0.6845	0.4865	1.0295	0.8825	0.7605	-0.3965	1.0535	0.3465	2.0175	1.3945	0.2405	0.5985	0.0055	-0.4775	-0.0275
-0.4095	-0.5495	0.3965	0.2385	-0.1045	0.0985	0.0225	0.1215	-0.2005	-0.2165	-0.4165	-0.0325	-0.6455	-0.2995	-0.5305	-0.4425	-0.5855	-0.3305	0.0795	-0.0135	0.2045	0.5825	-0.0005	0.2495	-0.6925	-0.0145	-0.3485	0.1275	0.2855	0.0635
-0.5125	-0.7145	0.0355	0.9055	0.9645	0.2415	0.8515	0.2885	0.5735	0.2605	0.6145	0.4475	0.4505	0.0315	-0.7485	-0.7135	-0.1635	-0.6755	-0.4735	0.2885	0.9155	0.8195	-0.0765	1.4675	0.4335	1.5515	0.3555	0.7025	-0.1455	0.6175
-0.7395	-1.0315	0.5815	0.7595	0.8105	-0.1425	1.3425	1.2915	0.6535	0.3005	0.4785	0.3125	0.2085	-0.4995	-0.0135	1.1085	1.4605	0.8505	2.0305	-0.0855	1.1025	2.4085	1.3365	1.8585	0.3455	1.2955	0.6725	1.0295	0.5075	-0.3105
0.413	0.349	0.773	0.314	-0.031	-0.42	0.392	1.078	0.209	0.237	0.368	-0.024	0.037	0.291	1.107	0.876	0.637	-0.953	-1.745	-0.575	-0.893	-0.127	-0.724	-1.011	-0.668	-0.509	0.115	-0.514	-0.821	0 227
-0.2095	-0.6135	0.2225	0.9255	0.7455	0.7825	0.2555	0.1085	0.2315	0.0815	0.2375	0.0065	-0.1645	0.1675	0.7445	-0.0255	0.0425	-0.4255	0.5765	0.0345	0.4845	0.6575	0.1805	-0.1745	0.3625	0.4575	0.4525	0.3215	0.4205	0.1455
1.229	1.745	0.391	0.433	-0.558	0.235	0.067	0.37	-0.137	0.94	-0.242	0.343	0.876	0.014	0.487	1.013	0.427	1.082	-1.482	1.194	0.023	-0.965	0.439	-1.248	1.843	1.801	-0.028	-0.962	-1.336	0.629
1.466	1.397	0.337	0.548	0 104	0.263	0.895	1.91	1.444	0.882	1.046	-0.043	-0.123	1.285	1.371	0.793	0.262	-0.419	0.299	-0.296	0	0.207	-0.362	-0.992	-1.604	-1.862	-0.176	-0.92	-0.402	-0.131
0.7125	0.9195	-0.0975	-0.0875	-0.4485	-0.0055	-0.5275	-0.4795	0.8895	-0.0285	-0.1015	-0.4625	0.2445	-0.0275	-0.6915	-0.6035	-0.5125	0.0675	-0.6245	-0.2105	1.0875	-0.6705	-0.5175	0.0465	-0.8615	-0.8755	-0.7855	-0.7815	0.3635	0.2275
-1.9405	-1.4795	-1.8175	-1.6655	-1.4615	-0.2475	-2.3065	-1.1385	-1.5625	-0.7645	-0.4325	-1.3145	-0.2135	-1.9225	-1.8615	-0.9445	-1.5255	1.4235	-2.1215	-0.5945	0.5355	-1.1755	-0.7005	2.0075	0.1095	-0.3715	-0.5805	-0.4055	-0.2065	0.0835
-0.8525	-0.9125	-0.8735	-0.3605	-0.5965	-0.6605	-1.4365	-0.7225	-1.0745	-0.3445	-0.0595	-0.9455	-0.0255	-0.9055	-1.1915	-0.6875	-1.1085	2.1825	-1.3575	0.3345	1.6755	-0.7785	-0.7195	3.3735	-0.5815	-0.5275	-0.9805	-0.4325	-0.4675	-0.0405
0.2755	0.1895	0.3155	0.2655	-0.0205	-0.0105	0.0055	0.3775	0.0825	-0.0975	-0.2165	0.1255	-0.3735	-0.0145	-0.0605	-0.5865	-0.7995	0.0915	0.1455	-0.2335	-0.2165	-0.1475	-0.0115	-0.7185	-0.3745	-0.6465	-0.2955	-0.0665	-0.4875	-0.8055
0.104	0.12	0.237	-0.197	0.145	0.462	0.128	0.317	0.046	0.343	0.126	0.512	0.04	0.559	-0.037	0.35	-0.418	0.418	0.636	0.012	-0.38	0.154	-0.425	0.558	-1.232	-0.682	-0.535	-0.344	-0.095	-0.034
-1.0895	0.5375	0.3385	-1.6475	-0.8235	-1.5185	-0.6215	-0.7305	-0.7475	-1.4435	-1.9165	-2.1365	-1.2785	-1.7145	-0.7335	-1.1495	-0.3425	-0.2805	0.8865	-0.6465	0.0775	-1.3255	-0.1395	-1.0155	-1.9025	-1.7975	-1.9135	-1.6485	-0.9545	-0.8795
-0.7115	-0.5085	-0.6535	-0.0575	-0.7625	-0.5035	-1.1135	-0.5065	-0.0795	-0.2855	0.0985	-0.5715	0.1895	-0.5875	-0.3995	0.1755	-0.4525	0.0985	0.8375	0.3695	0.7255	0.3105	0.2055	1.3045	1.5555	0.8075	-0.2285	0.1415	0.6975	0.1715
0.1165	1.1985	-0.2755	-1.1945	-1.7245	-0.5495	-0.4275	-0.0785	-0.2395	-0.1425	-0.1035	0.9595	-0.6575	0.4005	-0.0225	1.7525	-0.2405	2.0105	2.1595	2.3355	-0.3605	-1.0735	-0.6025	1.4135	-0.1955	-0.4005	-0.4715	-1.6035	-1.3885	-1.2735
-0.564	-0.176	-0.506	0.82	-0.173	-0.205	-0.537	0.027	0.004	-0.181	0.219	-0.103	-0.151	-0.992	-0.378	-0.33	0.015	-0.405	1.643	0.129	1.091	0.343	-0.186	-0.053	0.795	0.154	0.772	1.007	-0.288	-0.407
-0.8145	-2.2335	1.3965	1.1475	0.3115	-0.5275	1.2665	1.4675	0.7715	0.0375	0.6975	0.3725	-0.0345	0.3075	0.4455	-0.3385	-0.5855	-0.9045	1.8585	0.6585	1.3775	2.2645	1.0875	0.5685	1.5435	1.6645	1.5515	2.5255	-0.1315	-1.5555
0.5375	0.5585	0.2415	0.2415	0.3585	0.2505	0.3025	0.6635	0.2405	-0.1755	-0.0905	0.0085	-0.0085	-0.0465	-0.0405	0.1465	0.7625	0.7865	1.5845	0.9005	1.3595	0.8345	0.1975	1.2935	1.0855	0.4815	0.5945	0.4785	0.5935	0.3575
0.279	-0.116	-0.681	-0.5	0.512	-0.532	-0.853	-0.391	0.06	-0.536	-0.408	-0.265	-0.376	-0.721	-0.076	-0.044	-0.157	-0.296	0.108	-0.109	-0.308	-0.273	-0.281	-0.557	-0.526	-0.772	-0.074	-0.034	0.091	-0.4
-0.949	-0.211	-0.299	-0.449	-0.263	-0.227	-0.556	-0.642	-0.695	0.05	-0.793	0.05	-0.665	-1.065	-0.243	-0.172	-0.159	-0.001	-0.681	-0.957	-0.557	-0.434	-0.521	-0.718	0.006	-0.58	-0.178	-0.02	-0.471	0.761
-0.498	-0.168	-0.284	-0.429	-0.169	-0.609	-0.125	-0.457	-0.009	-0.3	-0.399	0.059	-0.324	-0.62	0.038	0.098	0.262	-0.29	-0.302	-0.198	-0.091	0.419	0.267	-0.442	0.162	-0.121	0.341	0.141	-0.074	-0.013
-1.385	-1.035	0.224	0.724	0.914	-0.569	0.487	-0.164	0.777	-0.655	0.004	1.226	1.107	-0.257	-0.746	0.321	0.735	1.942	0.096	1.049	1.102	1.082	0.985	1.801	1.375	1.087	0.63	1.377	0.77	-0.004
-0.8175	-1.7475	0.9985	-0.6215	0.1375	1.1795	0.3615	1.1635	1.5645	-0.8915	1.1395	0.9395	-0.4845	1.1515	-0.8895	-0.6135	-0.3975	1.0995	0.5295	0.9265	0.1585	0.2225	1.4715	0.4125	0.8355	1.5535	0.9515	1.2105	1.2085	-0.6515
-1.1965	-0.5575	0.1835	-1.0505	-0.2215	-0.3495	-0.6255	-0.4015	-0.0565	-0.3335	-0.0435	-0.3175	-0.7045	-0.5915	-0.3925	-0.0605	0.2975	-0.0785	0.4835	0.9225	0.6895	0.0065	0.4275	-0.5315	0.6125	-0.2935	1.0615	0.5865	-0.2965	-0.3375
0.008	0.223	0.865	-0.622	-0.752	-0.23	0.026	0.345	0.184	-0.47	2.298	2.628	-0.686	-0.026	-0.157	1.695	0.311	1.371	1.542	1.541	0.223	0.794	0.485	1.076	-0.157	0.646	0.84	0.186	0.174	3.9
-0.023	-0.021	0.5	-0.722	-0.464	0.227	-0.289	0.028	0.141	0.021	-0.077	0.53	0.158	-0.556	0.233	-0.515	-0.138	-0.709	-0.2	-0.141	-0.94	0.142	-0.111	-0.633	-1.087	-0.459	-0.279	-0.218	-0.265	0.377
-0.118	-0.212	-0.116	-0.469	-0.855	0.115	-0.167	-0.086	-0.046	0.129	0.066	0.467	0.013	-0.188	0.342	0.665	0.85	0.252	-0.469	0.213	0.285	-0.05	0.183	-0.81	0.524	0.37	0.011	-0.264	-0.324	0.234
-0.1725	-0.0505	0.0765	0.0695	0.0255	0.4175	0.3455	0.0165	0.1065	-0.8255	-0.3995	0.5165	0.2545	0.2435	-0.1185	0.1025	0.4115	0.0545	0.3765	1.0165	1.0535	0.1255	0.0825	0.4985	0.1275	0.7165	0.8735	1.0665	0.1245	-0.2665
-0.2505	-0.4055	-0.0125	0.7385	1.3835	0.5795	0.8435	0.0075	0.3855	-0.4105	-0.0045	0.3075	0.7525	-0.0005	-0.1625	0.7315	0.7515	0.0785	-0.2485	-0.7605	1.5535	1.0465	0.6185	0.5085	0.3385	0.0775	0.5495	0.7885	0.8515	0.3525
0.2135	0.3075	0.1155	0.1815	-0.0265	0.0745	-0.4865	0.0895	0.2225	0.5295	0.3085	0.1055	0.2015	-0.0555	0.5585	0.3575	-0.0105	0.1475	-0.2985	-0.4395	-0.6655	0.1505	-0.4825	-0.4945	-0.0335	-0.4205	0.3065	-0.4285	-0.2115	0.6465
1.3265	1.6845	0.7455	0.3415	0.7525	1.0915	0.2065	0.5775	0.6815	0.8295	-0.1355	0.4635	0.6795	0.3405	0.7765	0.2185	0.6295	0.3585	-0.1125	-0.5875	0.5415	-0.3895	0.9225	-0.9415	0.2445	0.3645	0.3895	0.0475	-0.5335	-0.1895
-0.129	0.161	0.152	-0.813	-0.994	0.948	-0.869	-0.3	0.223	-0.014	0.401	-0.121	0.213	-0.26	-0.975	-0.648	-0.791	-1.23	0.52	-0.3	-0.258	-0.309	0.474	-0.916	-0.563	-0.815	-1.109	-0.961	-0.386	0.093
-0.725	-1.069	0.943	0.586	-0.167	0.473	0.356	0.621	0.159	1.228	0.392	-0.634	0.653	0.056	-0.772	-0.407	0.245	0.208	0.559	0.316	0.352	1.082	0.406	0.767	1.231	0.857	1.913	2.079	1.41	0.233
-0.222	-0.102	-0.156	0.485	0.217	-0.048	0.532	-0.078	-0.069	-0.215	-0.191	-0.049	-0.172	0.109	-0.125	-0.036	0.181	-0.118	0.286	-0.429	-0.23	0.103	0.271	0.497	0.112	-0.162	0.004	0.148	-0.014	-0.367
0.4345	-0.0565	-0.4305	-0.3715	-0.6205	-0.1815	-0.2625	-0.4445	-0.1935	-0.0555	-0.3705	-0.1355	0.0555	-0.0715	-0.0205	0.2235	0.3235	0.0405	-0.7715	-0.1225	-0.0365	-0.4925	-0.2005	-0.1635	0.5405	-0.2685	-0.8755	-0.9795	-0.3245	-0.0735

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-7243 LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB264 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0504 LUMINAL	9830-0200 LUMINAL	BR95-0038 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
0.7145	0.5605	0.3575	-0.1955	-1.0225	-0.3635	0.0465	0.3745	0.4665	-0.2025	-0.3185	-0.0035	-0.3585	0.7715	0.4345	-0.0245	0.3055	-0.3735	-0.6475	-0.1995	-0.5615	-0.3865	-0.0705	-1.3195	-0.3385	-0.6785	0.0555	-0.2105	-0.2275	-0.4265
-0.8975	-1.6645	1.1875	1.1535	0.1365	0.5055	1.0335	0.8355	0.7635	-0.0515	0.9525	0.0405	1.0335	0.0045	0.0315	-1.2675	0.2125	-0.3385	0.7245	0.7475	-0.6815	1.0455	0.7655	1.0985	-0.7265	0.8165	0.7125	1.1225	0.3335	-0.6065
-0.44	0.264	0.28	-0.163	-1.094	-0.397	-1.487	-0.16	-0.47	-0.596	-0.634	-0.654	-1.426	-0.037	0.471	0.357	-0.632	0.214	-0.468	-1.219	-0.841	-0.37	-1.072	-0.466	-0.686	-0.4	-0.627	-0.957	-0.425	-0.24
-0.1645	-0.1105	0.1345	0.5485	-0.5265	0.8115	-0.6215	0.4745	-0.4265	0.1225	-0.0095	0.3315	-0.3805	0.1345	0.8765	0.0285	0.4935	0.5915	0.5755	0.7135	0.0895	-0.5195	-1.2975	0.4685	1.0365	0.7045	0.2465	0.2155	-0.4255	-0.0665
0.8145	0.6305	0.4965	-0.1985	-0.1075	0.1855	-0.3325	0.1985	-0.3925	0.4635	-0.4365	0.8285	-0.1655	0.1925	0.4775	0.6725	0.8465	-0.0145	-1.2305	0.1445	-0.0145	-1.1485	-0.3895	-0.4035	0.3325	-0.3555	-0.1995	-0.3535	-0.8035	0.8475
-0.6685	0.9525	-0.5165	-0.7185	-0.8145	-0.6835	-0.9355	-0.3415	-0.6585	-1.0675	-0.8685	-0.1205	-0.4305	-0.8085	-0.3685	-0.0365	0.0065	-0.3375	-0.0285	0.7645	0.3615	0.0055	-0.0055	-0.9615	-1.1735	-1.0675	-1.0405	-0.8245	-0.0335	-0.1035
-0.198	1.464	-1.22	0.554	0.31	0.42	-0.515	0.746	1.615	0.311	0	0.787	-0.097	0.857	0.686	-0.238	0	-0.382	-0.048	0.347	0.594	0.508	1.409	0.07	0.568	0.508	0.482	-0.012	-0.535	0.716
-0.095	0.391	-0.248	-0.043	0.713	0.547	-1.183	-0.6	-0.69	-1.319	-1.758	-0.226	-1.439	0.36	0.005	-0.61	-1.023	2.255	1.416	-0.419	0.147	1.364	-1.116	-1.467	1.491	-0.32	-1.049	-1.056	0.208	-0.132
0.3085	0.3835	0.8495	-0.1665	0.0915	-0.0335	-0.3005	-0.1095	-0.0015	1.2665	-0.0665	0.0735	0.4095	-0.2825	-0.3005	0.1705	-0.3735	0.1965	-0.7935	-1.1425	-1.0165	0.2315	-0.5215	-1.2455	0.4165	-0.4375	0.0555	-0.5265	-0.0945	1.4655
-0.089	-0.39	0.587	0.078	-0.427	-0.311	-1.084	0.507	-0.367	0.452	-0.933	0.024	2.225	0.308	3.245	-0.074	-0.657	-1.619	4.492	6.394	0.905	-1.554	-1.707	5.104	6.974	-1.29	-0.57	-0.695	0.242	-0.203
-0.108	-0.025	-0.261	-0.248	-0.292	-0.175	-0.019	-0.349	0.154	0.134	-0.098	-0.159	-0.296	-0.077	0.58	0.187	-0.071	0.246	-0.115	0.003	-0.359	-0.231	-0.089	0.656	0.108	-0.177	-0.188	-0.059	0.043	-0.196
0.3245	0.1165	0.1345	1.4625	2.5735	0.9295	0.8665	1.1145	-0.0155	0.4125	-0.1405	0.4235	0.2795	0.3365	0.6665	0.8615	-0.2825	-0.9855	1.8565	1.4695	1.9155	2.3545	2.7565	-0.0065	2.1665	1.5965	-0.2125	-1.7605	-0.9235	-0.0675
0.1235	0.0695	-0.2165	-0.4545	-0.3965	-0.1145	-0.4205	-0.4875	-0.7305	-0.6015	-0.3285	-0.0635	-0.1715	0.0835	0.4395	0.7265	0.4095	0.2655	-0.4725	-0.2605	-0.5455	-0.8355	-0.3005	1.2365	0.1235	-0.3535	-0.1085	-0.4015	-0.0435	0.1175
-0.462	-0.023	-0.217	-0.097	-0.062	-0.297	-0.123	-0.057	0.291	-0.186	0.049	-0.125	-0.214	0.026	0.047	-0.071	0.159	-0.047	0.319	0.117	-0.268	0.683	-0.042	0.615	0.248	-0.097	0.151	0.307	0.008	0.131
0.138	0.085	0.157	-0.179	0.09	0.336	0.041	0.213	-0.25	0.299	-0.167	-0.404	0.052	-0.492	-0.21	-0.272	-0.11	-0.006	-0.282	-0.198	-0.409	-0.01	-0.205	0.12	-0.363	-0.419	-0.465	-0.478	-0.127	-0.431
0.031	0.223	0.046	-0.123	0.687	-0.432	0.413	0.436	0.013	-0.091	0.283	0.187	0.261	0.384	0.541	0.885	0.241	-0.046	0.653	0.084	0.324	0.37	0.41	0.48	0.136	0.148	0.344	-0.299	-0.044	-0.229
0.1645	-0.1375	-0.9925	0.6385	1.5075	0.4815	1.5925	1.3925	-0.2755	-0.7475	0.7015	-0.0085	0.6515	0.2245	1.2205	-0.8705	0.8425	2.7135	2.2295	0.4695	1.0485	0.3095	0.1215	3.0005	0.2725	1.3405	-0.1855	-0.4015	2.3915	0.1065
-0.165	0.403	1.976	0.118	-0.429	-0.216	-0.247	0.41	-0.598	0.558	-0.505	0.095	-0.601	0.262	0.011	-0.128	0.637	-0.863	-2.528	-1.913	-0.246	1.003	-1.073	-1.998	0.915	1.481	1.306	1.315	-1.41	0.201
-0.1975	0.5385	1.1355	0.4395	0.8065	-0.4085	0.2055	0.3275	-0.0075	-1.9205	0.4305	-2.6405	-0.1485	0.0885	-2.4705	-0.7995	0.9855	0.2705	1.1485	0.6205	0.5325	0.2565	0.8215	1.0465	0.3415	1.1785	0.8625	0.7535	-1.7375	-0.0545
0.543	-0.79	-0.254	0.274	0.024	1.022	0.9	0.596	1.251	1.108	0.607	1.548	-0.077	2.985	0.898	0.245	-0.085	0.732	-0.502	0.423	-0.419	-0.98	-0.695	-0.634	-0.28	-0.046	0.632	-0.442	0.556	0.735
0.1475	0.1355	0.2135	0.0565	-0.4565	-0.3935	-0.1635	0.4255	0.2005	0.1405	-0.0595	-0.0675	0.2115	-0.1025	-0.0705	0.0585	-0.2195	0.2535	-0.7195	-1.0755	-0.1945	0.3475	0.0925	-0.7075	-0.2945	-0.2715	-0.3475	-0.0065	-0.0195	-0.2695
0.0155	-0.3805	-0.3485	0.0895	0.0485	-0.3645	0.1005	0.1525	0.1145	-0.2465	-0.0025	0.1495	-0.2285	0.0115	-0.0735	0.2365	0.1395	-0.2945	-0.0405	0.2105	-0.0995	0.1935	0.2805	-0.5225	-0.1475	-0.0485	0.1775	-0.0525	0.6845	-0.6765
-0.485	-0.578	-0.398	-0.431	-0.535	-0.225	-0.089	-0.389	-0.036	-0.295	-0.148	0.207	0.327	-0.463	-0.106	0.472	0.017	0.311	-0.018	-0.775	-0.478	0.015	0.056	-1.426	-0.212	0.304	0.043	0.207	0.535	0.607
-0.1765	-0.0205	0.0645	0.0735	-0.2605	-0.4445	-0.2955	-0.5455	-0.4095	-0.8345	-0.3405	-0.1715	-0.6505	-0.1825	-0.2515	1.0775	0.5235	0.0755	0.2085	-0.3055	-0.0065	-0.5565	0.1805	0.4175	1.0265	0.0285	0.2795	0.0365	0.1785	0.1185
-0.362	-0.515	-0.144	0.016	-0.053	-0.26	-0.331	-0.519	-0.175	-0.006	-0.413	-0.106	-0.235	-0.726	-0.03	-0.286	-0.253	-0.304	-0.327	-0.644	-0.891	-0.097	-0.019	-0.724	-0.88	-0.6	-0.315	-0.271	0.138	-0.554
-0.298	1.552	0.766	-1.04	-0.284	-0.009	0.004	0.188	0.924	-0.199	-0.152	0.264	-1.529	-0.922	0.153	0.408	1.645	-0.253	-0.419	0.345	1.69	0.853	1.238	0.66	1.398	1.678	1.475	1.407	1.545	0.092
-0.721	-1.46	0.038	-0.211	-0.232	-0.639	-0.474	-0.575	-0.458	-0.552	-0.289	-0.8	-0.208	-0.809	-0.829	-0.603	-0.195	-0.403	-0.146	-0.082	-0.266	-0.339	-0.135	-0.307	-0.736	-0.367	-0.327	0.48	-0.281	-0.971
-0.2335	-0.4375	-0.2385	0.0255	-0.4405	-0.5215	-0.8215	-0.4085	-0.0815	-0.6525	0.0205	-0.1175	-0.0925	-0.6515	0.2945	0.2485	0.6995	0.3095	0.1685	0.9125	-0.3945	0.2975	-0.0635	0.1495	0.3555	0.1295	0.4215	0.3955	0.3485	0.9305
-1.0745	-1.6075	0.0725	-0.6425	-0.7975	-0.4705	-0.5485	-0.5765	-0.6945	-1.0115	-1.0825	-0.4995	-0.6495	-1.2585	-0.4315	-0.9255	-0.0135	0.0385	0.1675	-0.1785	-0.3865	-0.6445	-0.2065	-0.1075	-1.4615	-0.8885	-0.5245	-0.0815	-0.3605	-0.8775
-0.5635	0.3585	-0.9165	0.9435	-1.2115	0.0895	-0.7315	-0.8285	-0.6465	-1.4815	0.3785	-1.5405	-0.5495	-0.8345	-1.1025	-0.5955	-1.3725	-0.1515	0.5295	-0.0325	0.1195	1.2425	-0.9215	-0.4465	-0.3485	-0.9075	-0.8765	-0.5145	-0.4455	0.5045
-0.2615	0.0825	0.8125	-1.1925	-0.3605	0.8955	-0.4255	0.0115	-0.1885	0.1465	0.6425	0.0385	-0.5605	-0.4955	0.3685	-0.3165	0.7605	-0.4945	-0.7385	0.2015	-0.4775	-0.5205	-0.2965	-0.3025	-0.1985	0.6385	-0.0615	-0.6855	0.2975	0.0185
-0.1125	0.5695	0.1035	-0.5585	-0.1035	0.0045	0.1015	0.0465	-0.0045	0.0685	-0.7785	-0.3065	0.8155	-0.7385	-0.6205	-0.1345	0.3585	-0.3925	-0.7045	-0.8945	-0.2805	-0.8315	0.2665	2.4945	-0.0985	-0.4075	-0.1055	-0.2665	0.2385	-0.0335
-0.54	-0.091	0.418	-0.647	0.376	0.345	-0.314	-0.372	-0.174	-0.545	0.104	0.083	-0.197	-0.432	-0.457	-0.047	0.328	0.195	0.263	1.188	0.623	-0.012	0.231	1.185	0.554	0.498	0.372	0.8	1.34	0.947
0.3655	0.4225	-2.4375	-0.0275	-0.0145	0.3735	0.2275	-0.3645	0.5415	0.3365	-0.0705	0.5585	0.2755	0.1825	0.3105	0.6105	0.4805	0.4175	-0.3755	0.1685	0.7195	-0.4525	0.3005	0.1715	1.0465	0.4015	1.2035	0.0495	0.4295	0.6585
-0.16	-0.311	0.36	-0.165	-0.553	-0.152	0.007	-0.117	0.153	-0.283	0.162	-0.342	-0.089	-0.045	-0.076	-0.074	-0.159	0.909	-0.464	0.053	0.155	0.851	0.133	0.711	-0.371	0.015	0.435	0.529	0.391	-1.036
-1.5075	-0.8505	-1.0935	-1.7495	-1.4825	-1.5525	-1.0935	-1.5255	-0.7585	-1.1815	-1.4135	-0.8475	-1.3275	-1.4335	-0.5175	-0.5165	0.1765	-0.8815	-0.6045	-0.2505	-0.3975	-0.8505	0.2385	-2.0535	-0.8495	-1.5345	-0.0985	-0.6295	-0.3435	-1.7035
-0.314	-1.115	0.171	-0.037	-0.115	-0.241	-0.079	-0.437	-0.619	-0.101	-0.411	-0.002	-0.011	-0.466	-0.283	-0.651	-0.333	1.459	-0.342	0.313	0.046	0.453	-0.458	-0.666	-0.292	-0.244	-0.683	-0.057	-0.31	-0.345
-0.0225	-0.4105	-0.0615	-0.1205	-0.7005	-0.7925	-0.5055	-0.2765	-0.2015	-0.1685	-0.4895	0.0705	-0.0115	-0.0235	-0.0045	-0.6715	0.0665	-0.4525	-0.1725	-0.0395	-0.4845	-0.1405	0.0035	-0.2675	-0.4915	-0.0775	-0.1885	-0.2115	-0.0385	-0.3995
0.01	-0.317	2.303	0.031	0.388	4.129	0.945	1.347	0.539	2.764	1.234	0.951	0.534	0.403	0.622	1.835	0.398	-0.057	-0.694	-0.531	0	0.203	-0.563	-0.183	-0.388	-0.46	0.406	-1.343	1.365	0.993
-0.352	-0.54	0.312	0.031	0.383	0.088	0.238	0.057	0.461	-0.031	0.862	0.134	0.566	0.113	-0.386	2.419	1.057	0.552	0.971	-0.628	0.367	0.305	0.543	0.336	-0.772	0.339	0.447	1.119	1.56	0.641
-0.1805	0.1715	-0.0715	0.1245	0.3865	-0.5065	0.2645	0.1215	0.2345	0.2305	0.0435	-0.1845	-0.1225	-0.0145	-0.1535	-0.0635	-0.0725	0.3915	0.0965	0.0575	-0.1075	-0.0505	-0.0565	0.9185	0.0175	-0.0575	-0.1115	-0.0335	-0.3295	-0.7825
-0.79	-0.101	-0.528	0.861	0.117	-0.6	0.308	0.053	0.44	-0.585	0.312	1.258	-0.17	-0.19	1.51	0.026	0.857	0.671	-0.499	-1.663	0.714	0.617	1.41	-0.912	-1.427	-1.902	1.159	0.151	-0.685	1.066
-0.568	-0.019	-0.49	0.025	-0.191	-0.399	0.238	-0.359	0.408	0.015	1.125	-0.015	0.458	0.225	-1	0.519	-0.436	0.313	-0.266	1.587	1.258	0.793	0.121	0.891	0.685	0.71	-0.094	1.058	1.345	0.605
-1.2935	-0.3415	-1.6235	0.1535	-0.8595	-0.0155	-0.2995	-0.7735	-1.3955	-1.1345	-0.0785	-1.6685	-1.3925	-0.2565	-0.5945	-0.0035	-0.3645	-0.5395	1.2665	0.8535	1.0485	1.0085	-0.4695	0.5815	0.2205	-0.5265	-0.3985	-0.4345	0.0035	0.2745
-0.9175	-0.1195	-1.0825	-0.2625	-0.6545	-0.2625	-0.1815	-0.8545	-1.0125	-1.2825	-0.0275	-1.3205	-1.1185	-0.5575	-0.4975	0.0055	-0.8755	-0.0055	0.7555	0.1145	0.4995	1.4105	-0.7855	0.3885	0.2325	-0.4545	-0.5065	-0.3195	-0.4395	0.6615
-0.946	-0.272	-1.142	-0.352	-0.812	-0.267	-0.339	-1.021	-1.101	-1.392	0.034	-1.272	-1.041	-0.815	-0.442	-0.021	-0.888	-0.025	0.73	0.151	0.511	1.409	-0.776	0.266	0.263	-0.433	-0.473	-0.348	-0.413	0.62
-0.8465	-0.5055	-1.2055	-0.5645	-0.8835	-0.1605	-0.4995	-1.0825	-1.1115	-1.3115	0.0015	-1.2005	-0.9615	-0.6425	-0.2975	-0.0015	-0.7705	0.2595	0.4945	0.2395	0.3325	1.2295	-0.6415	-0.0425	0.2495	-0.4455	-0.3275	-0.3725	-0.4715	0.3035
-1.027	-0.925	-1.195	-0.392	-0.698	-0.445	-0.347	-0.915	-0.93	-1.235	0.176	-1.126	-1.114	-0.604	-0.269	0.131	-0.73	-0.083	0.714	0.241	0.51	1.352	-0.498	0.051	0.289	-0.224	-0.32	-0.265	-0.337	0.637
-0.0455	-0.0565	0.7485	-0.8325	0.1875	0.3515	-0.0055	0.3205	-0.0005	0.3215	0.7215	-0.1565	-0.4665	-0.1235	0.1355	-0.5185	0.4735	-0.4895	-0.2765	0.1475	-0.3135	-0.3595	-0.4315	0.1205	-0.6515	0.3135	-0.4045	-0.9335	0.2135	0.2745
-0.5555	-0.2265	0.3465	-0.5795	-0.8785	-0.2325	-1.1885	-0.6965	-0.6215	-0.4195	-0.3175	-0.3335	0.0605	-0.8995	-0.0785	0.0015	-0.4835	-0.1825	-0.3605	-0.3935	0.0505	-0.5875	-0.0415	-0.8495	0.1555	-0.3535	0.3955	0.0885	-0.2065	-0.1205
-0.3925	-0.6725	-0.7525	-1.1365	-1.9155	-1.0325	-1.2745	-0.8355	-0.3765	-0.8375	0.0645	-0.5205	-0.0875	-1.2055	-0.1125	-1.0065	-0.4245	0.5985	0.7255	0.0145	-0.9605	0.0565	-0.4725	1.9305	-0.3105	-0.4745	-0.2905	-0.9335	-0.4685	-0.9255
-1.6885	-1.4985	-1.3225	-1.3015	-1.0495	-1.3515	-1.1795	-1.3505	-0.5145	-0.6545	-0.5095	-0.8015	-0.9025	-1.5775	-0.0295	-1.1505	-0.3385	-0.0005	-0.2945	-0.4985	-0.7955	-0.2575	0.0255	-0.6035	-0.3695	-1.2765	-0.7445	-0.4625	-0.7045	-1.4225
-0.5475	-0.7595	0.0585	0.1315	-0.6975	-0.3475	-0.4605	-0.2475	-0.2195	-0.0395	-0.2685	-0.3465	-0.1215	-0.8025	-0.2015	-0.4685	-0.2075	-0.1735	0.1475	-0.3475	-0.1225	0.0485	0.0375	-1.1285	-0.4745	-0.2035	-0.1045	0.0645	0.3565	-0.2415
0.172	0.249	0.348	-0.549	0.139	0.61	-0.191	0.775	0.42	0.32	0.223	-0.012	-0.189	-0.589	-0.096	-0.723	-0.237	0.488	0.065	0.062	-0.383	-0.098	-0.084	-0.779	-0.672	0.023	-0.093	0.181	0.152	0.105
1.3765	1.3225	1.3065	1.5215	1.8615	0.2465	1.8425	1.2125	0.6065	0.2625	0.8825	0.0975	0.1335	2.1595	1.5425	1.2445	0.9805	-0.4025	-0.4405	-0.1915	0.3055	0.1255	-0.0465	0.7415	0.2945	-0.1415	0.6595	0.3635	-0.6685	0.1645
1.271	1.581	1.602	1.725	1.798	1.228	2.727	1.41	1.404	0.908	0.974	0.402	0.793	2.577	1.877	1.59	1.46	-0.541	-0.711	-0.607	0.64	0.188	-0.098	-0.908	0.662	0.035	0.943	-0.875	-0.358	1.138
-0.9305	-1.1385	0.9585	0.5535	0.9165	-0.3445	-1.4285	1.3135	1.4015	0.0445	1.5565	1.3505	0.6935	0.1435	1.9635	0.9645	1.7415	-2.6135	2.6495	1.7105	0.9235	1.3415	0.2115	1.6445	1.6875	1.2895	1.5705	1.7205	-1.3265	0.2085
0.3475	-0.8865	0.3445	1.7025	-0.1045	-0.0705	-0.0975	2.9255	2.6685	-0.0565	2.4625	-0.1135	0.8055	-0.0555	1.2125	-0.2275	-0.4405	-0.6515	0.9325	0.6535	-0.3235	0.6895	-0.4505	3.8935	3.5115	-0.6165	3.5875	4.5955	-0.1385	-0.5185
-1.1815	0.2325	-0.0065	0.3775	0.5745	0.2345	-1.0635	0.0455	0.5935	-0.2765	0.5105	-0.2775	0.2605	-1.0115	1.6835	0.2305	0.0065	-0.5915	-0.8855	-0.0185	0.5135	0.2055	-0.8345	1.8495	1.5005	-0.7435	2.2105	1.7905	-0.5795	0.9625
-0.7635	-0.4475	0.3545	2.6575	1.1605	-0.6005	-0.3805	0.1885	-0.3955	0.7235	0.0005	-0.9445	-0.1235	-0.0495	0.6965	0.7295	-0.3285	-1.1885	-1.0935	-0.2045	2.0765	-0.5845	1.5085	-0.1265	2.1445	-1.0515	-0.1675	-1.6825	-1.0025	-0.3525
-0.0365	0.3635	-0.2725	1.0315	0.2055	-0.5925	-1.1045	-0.5495	-0.4235	-0.0925	-0.0815	-1.3235	0.3355	-0.2505	-0.1825	0.3295	-1.0595	-1.2115	-0.8635	-0.2005	1.3695	-0.1345	1.3375	0.1235	-0.2085	-1.1285	-0.2105	-1.0595	0.4605	1.1625
-0.876	-1.036	-0.282	1.004	0.304	-0.427	0.253	-0.224	-0.588	0.236	0.373	-1.019	0.1	-0.298	0.11	-0.26	0.072	-2.233	-1.858	-0.081	-0.426	-0.397	0.88	0.75	0.948	0.213	-0.12	-0.523	-0.308	-0.474
0.3445	1.4985	-1.3225	0.0735	-0.0835	1.0925	-0.4015	0.6185	1.5115	0.3635	-0.0935	0.8575	0.0455	0.4445	0.7205	-0.4695	0.1845	-0.1775	-0.2295	0.0175	0.3525	-0.0275	1.2575	0.0435	0.7015	0.5205	0.5855	0.2405	-0.0175	0.5975
-0.038	-0.162	0.265	0.048	0.206	0.558	0.532	0.507	0.885	0.237	0.088	0.245	0.495	0.356	-0.248	-0.171	0.241	0.069	0.417	-0.22	0.426	0.376	0.284	-0.683	-0.072	0.334	0.27	0.098	0.591	0.379
-0.5215	0.0085	0.0985	-0.4785	-0.4475	-0.3185	0.0035	-0.5605	-0.3415	-0.9855	-0.1815	-0.0975	-0.4765	-0.1815	-1.0425	0.1535	-0.6685	0.5585	0.3125	-0.1315	0.0485	0.1585	-0.1705	0.9645	-0.7255	0.1175	-0.3225	0.1755	-0.0645	-0.0035
0.064	0.37	-0.78	0.222	-0.395	0.568	0.72	-0.152	0.558	-0.56	-1.15	-1.094	1.051	-0.495	-0.256	-1.307	-0.894	-1.782	-2.041	-0.788	0.34	0.378	-1.354	-1.273	-1.01	-1.947	-2.204	-2.738	-1.548	-1.357
-0.6015	0.1385	-0.2485	0.0485	-0.0595	-0.1265	-0.0485	-0.2345	-0.1625	-0.3365	-0.2795	0.0025	-0.1535	-0.4155	0.4655	-0.3145	-0.6855	-0.5565	-0.4875	-0.6605	0.0075	0.5005	0.1385	0.1065	-1.1815	-0.3455	-0.0395	0.3515	0.2845	-0.0355
-0.5965	-0.4025	0.9145	-0.3315	0.1875	0.3285	-0.3685	-0.0385	-0.5395	-0.9635	-0.3495	0.3575	-0.8155	-0.7815	-0.9565	-0.5265	-1.1465	0.4925	-0.2005	-0.3235	-0.0805	0.2685	-0.4825	-0.9675	-1.0755	-0.7765	-0.0455	0.4075	0.4105	-0.1175
1.005	0.848	-0.389	-1.281	-1.094	0.264	0.572	0.795	0.142	0.51	0.045	-1.595	0.017	0.888	0.842	0.28	0.202	-0.219	-1.529	-0.241	0.264	2.473	-0.837	-1.858	-0.938	-1.096	-0.851	-1.698	-1.872	2.004
-0.375	0.07	0.354	-0.816	-0.247	-0.193	-0.72	-0.115	-0.346	-0.271	0.037	-0.071	-0.27	-0.279	-0.115	0.21	-0.196	-0.347	-0.508	-0.55	-0.357	-0.79	-0.156	-1	-0.051	-0.259	-0.152	-0.214	1.042	0.568
-0.5045	-0.4535	-0.2355	0.0845	-0.5295	-0.0625	-0.3125	-0.0785	-0.0375	-0.4025	-0.1635	-0.4655	-0.1785	-0.3465	-0.1545	-0.1475	-0.0355	0.0535	-0.2745	-0.4455	-0.3085	-0.0885	-0.1845	-0.4605	0.0435	-0.2315	-0.0705	0.2395	-0.0495	-0.1785
-0.2695	-1.2055	1.8945	-0.6715	0.1005	0.7925	0.8285	-0.1215	-0.4705	-0.1945	-0.1445	-0.2165	-0.2955	-0.1905	1.8935	-0.3575	1.3105	1.5805	-0.7925	0.0455	0.4365	0.1625	1.6235	0.4145	1.3435	1.0795	1.2245	1.2665	1.2855	1.8175
-0.847	-1.624	-0.756	-0.099	-1.206	-0.893	-0.265	0.363	-0.715	-0.388	-0.849	-1.457	-1.547	-0.523	1.156	0.654	-0.51	-0.811	-1.331	-0.776	-1.707	-0.36	-1.397	-0.56	-0.454	-1.436	-0.254	-0.244	0.109	-1.05
-0.2615	-0.6725	-0.0115	0.3175	-0.4075	0.0725	0.0425	-0.0825	0.2715	-0.2515	-0.2515	0.0535	-0.2045	-0.5115	0.1885	0.4665	0.3055	-0.1255	0.6685	-0.2305	0.4485	0.0335	0.1535	0.5635	0.6665	0.4035	0.1535	0.2485	0.2655	0.1415
0.01	-0.06	-0.338	0.542	0.124	0.385	-0.178	-0.042	0.197	-0.016	-0.054	0.126	0.38	0.125	-0.17	-0.431	-0.516	0.113	-0.387	0.081	0.026	0.272	-0.185	0.768	-0.86	-0.229	-0.025	-0.116	-0.127	-0.113

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR66-001(LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-050(LUMINAL	9830-0200 LUMINAL	BR95-003(LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-038; LUMINAL
0.015	-0.195	-0.036	0.405	0.139	0.023	0.136	0.132	0.067	-0.113	-0.065	-0.027	0.027	-0.065	0.208	-0.126	-0.057	0.194	-0.879	-0.118	0.166	0.145	-0.001	-0.223	0.308	0.091	0.413	-0.005	-0.237	-0.344
-1.221	-1.576	-0.622	-1.144	-1.02	-1.549	-0.471	-1.107	-0.878	-0.927	-1.72	-1.225	-1.115	-1.52	-1.421	-1.539	0.101	-0.867	0.909	0.278	-0.55	-0.499	-0.666	-0.97	-1.53	-2.068	-0.502	-0.268	-0.822	-1.852
-1.0445	-0.8485	-0.1645	-0.5195	-0.1475	-0.7145	-0.0955	-0.6565	-0.3555	-0.4055	-0.3665	-0.8475	-1.1835	-0.8945	-0.6135	-0.5975	-0.0895	-0.5615	0.2945	-0.2635	-0.9795	0.0715	0.1915	-0.7385	-1.0145	-2.6495	-0.2855	-0.1035	-0.5715	-1.1845
-0.1475	0.0555	0.0455	0.0225	-0.3105	0.4335	-0.1905	0.0165	-0.2965	-0.1545	-0.2875	0.2185	0.0085	0.2775	0.4035	-0.0445	0.0845	-0.0105	-0.1745	0.1635	-0.2185	-0.5665	0.0155	-0.5735	-0.2485	0.4445	0.1245	-0.3635	-0.0365	-0.3925
0.539	1.065	0.249	-0.209	-0.244	-0.18	-0.24	0.083	0.171	0.185	-0.211	0.429	-0.157	-0.156	-0.037	-0.36	-0.515	0.772	-0.655	-0.524	0.058	-0.357	-0.222	-0.814	-0.838	-1.319	-0.298	-1.038	-0.317	-0.379
-0.5	-0.804	0.118	-1.505	-0.788	-0.915	-0.589	-0.998	-0.501	-0.794	-0.004	0.037	-0.606	-0.387	-0.861	0.141	-1.095	-0.312	1.465	0.351	-0.519	-0.321	-0.378	-0.759	-1.063	-1.081	-0.406	-0.762	-1.187	-1.459
-1.086	-0.264	0.101	-0.192	-0.355	0.027	-0.731	-0.196	-0.131	-0.048	-0.131	-0.22	-0.253	-0.749	-0.356	-0.228	-0.543	-0.008	0.097	-0.398	-0.026	-0.052	-0.25	-0.575	-0.341	-0.072	-0.805	-1.096	0.525	0.214
-0.674	-0.361	-0.539	-0.656	-0.355	-0.302	-0.322	-0.297	-0.362	-0.484	-0.121	-0.607	-0.635	-0.458	0.475	-0.804	0.097	-0.029	0.241	0.069	-0.289	0.038	0.171	-0.303	-0.22	-0.081	0.04	0.321	-0.006	-0.916
1.54	1.656	0.836	2.103	1.235	1.224	1.277	0.879	1.089	1.407	0.987	0.113	0.345	1.539	0.562	0.496	0.848	-0.94	-1.277	-1.572	-0.364	-1.361	-0.623	-1.666	-1.371	-1.19	0.503	-1.625	-1.076	0.339
-1.113	-1.273	0.229	1.298	-0.16	-0.229	-0.612	-0.295	0.13	-0.081	-0.711	-0.914	-0.422	-0.322	0.554	-0.866	-0.756	-0.555	-0.891	-1.156	-0.879	0.53	0.384	0.254	0.104	-0.204	-0.614	-0.777	-0.046	-0.121
-0.4275	0.0285	0.1785	0.1615	-0.0325	0.0155	0.3435	0.4025	0.3725	0.2465	0.0105	0.2475	0.0835	-0.0105	-0.6255	0.2845	0.5105	0.5755	0.5685	-0.2295	0.3285	0.5325	-0.0855	-0.2135	-0.2905	0.0605	-0.4735	-0.6625	-0.2475	0.4515
-1.905	-1.54	-0.909	-0.663	-0.882	-0.975	-0.241	-0.849	-0.474	0.007	0.484	-0.307	-0.688	-1.42	-1.181	-0.263	-0.258	-0.713	-1.05	-1.088	-0.647	-0.859	-0.296	0.033	0.489	-0.439	-0.799	-0.208	-0.391	-0.56
-0.7685	-1.8815	-0.4585	-0.0385	-0.5185	0.3765	-0.4015	-0.1305	-0.8675	-0.3855	0.0285	-0.4165	-0.3595	-0.6105	-1.1005	0.2285	-0.5885	0.4705	-1.9705	-0.5775	-0.5995	-0.1745	-1.1075	1.1985	-0.0235	-0.4615	-0.6395	-0.8915	-1.0415	0.2185
-0.3835	-0.7885	0.0125	-0.2075	-0.4325	0.4845	-0.3145	0.0215	-0.4065	-0.2635	-0.2625	-0.1795	-0.1845	-0.2535	-0.3515	-0.5355	-0.3605	0.0275	-0.1625	-0.1065	0.0335	-0.0535	-0.2005	0.5325	-0.6645	-0.1005	-0.1965	0.3015	-0.6075	0.0285
-0.6215	-0.3335	0.2975	-0.7045	0.1355	-0.0165	-0.2805	-0.5635	0.6405	0.1625	0.0655	0.0265	-0.0125	-0.3455	-0.2685	-0.0645	-0.2015	1.7625	-1.2995	-0.5965	-0.3675	-0.4725	0.0335	0.7895	-0.3055	-0.4275	-0.0175	-0.2585	0.7175	0.3895
0.4245	0.2725	0.4885	1.0425	0.6325	0.2485	0.5835	0.4075	0.2405	0.1895	0.0665	0.5465	0.3145	0.4235	0.3555	-0.0465	-0.0145	0.1205	0.5425	0.7915	0.0945	0.2635	0.4615	0.5495	-0.0915	0.6925	0.1985	0.0455	-0.1575	-0.2645
-0.1925	0.1155	0.3035	1.8145	1.5685	1.2905	1.5855	1.7425	2.2915	0.0115	2.0235	0.8525	0.1115	-0.3135	0.6065	0.5125	2.9705	-0.0405	1.3135	1.0275	1.8015	1.7385	3.8745	0.5375	0.8025	1.9125	3.0445	3.9545	1.9505	0.9925
-0.2225	0.1265	1.0305	-0.7165	-0.4545	0.8815	-0.0675	1.2195	0.3145	-0.1325	0.3065	-0.8005	1.4475	-0.1585	0.7445	0.9935	0.7135	-0.5015	1.8775	1.6645	1.1275	0.2715	0.7025	2.1205	-0.5745	0.1745	1.2575	1.8185	1.7095	-0.1235
-0.6085	-0.1535	1.6935	1.2695	-0.3095	0.2005	0.6605	0.1985	-0.2075	0.8145	-0.2285	-0.6605	0.1185	-0.5355	-0.0275	-0.4185	-0.0205	-0.4885	-0.5085	-0.8065	-0.7545	-0.3755	-0.6635	-0.2195	-0.0785	-0.3975	0.2405	0.3325	-0.7195	-0.7685
-0.4345	-0.5835	1.9415	1.1615	0.0015	0.2205	0.5975	-0.0995	-0.1195	0.6295	-0.1085	-0.4605	0.0065	-0.1235	-0.2075	-0.6935	-0.1065	-0.5545	-0.4005	-0.1695	-0.8485	0.1385	-0.3325	-0.2355	-0.5005	-0.1825	-0.1585	0.6505	-0.6025	-2.6105
2.8895	2.5705	2.3705	2.1665	-2.5405	3.5375	1.7995	1.6345	1.3025	1.7275	1.2075	-1.4955	2.0245	1.0535	1.4715	-0.7675	1.6045	-2.3465	-3.6605	-2.8915	-2.0335	-0.6905	-1.9405	-1.0125	-1.5775	-2.2635	1.0585	-0.0605	-1.8765	-2.9505
-0.06	-1.054	1.865	1.676	-0.762	2.319	1.297	0.814	0.984	1.847	0.144	-1.556	1.288	-0.281	-0.297	-1.291	-0.656	-0.934	-1.377	-1.544	-1.379	1.266	-1.356	0.135	-1.333	-1.246	-0.231	1.511	-0.961	-1.508
0.497	-1.135	1.948	1.892	-2.368	0.692	0.723	0.541	0.623	1.312	0.501	-2.263	0.753	-0.364	-0.801	-2.102	-0.306	-1.127	-2.499	-2.63	-2.223	0.209	-1.26	0.068	-2.12	-2.284	0.067	0.493	-1.572	-2.538
0.213	-0.401	1.182	0.643	-0.257	0.993	0.434	0.274	0.452	0.438	0.15	-0.794	0.134	-0.174	-0.27	-0.787	0.097	-0.514	-0.364	-0.692	-0.371	-0.223	-0.781	-0.114	-1.009	-0.86	-0.254	0.489	-0.752	-0.746
1.375	0.804	1.851	1.005	-1.102	0.486	0.663	-0.711	0.137	1.077	0.156	-1.237	0.394	-0.509	0.123	-0.834	0.098	-1.109	-1.584	-1.633	-1.278	-0.85	-1.244	0.1	-0.642	-0.888	0.063	0.154	-1.077	-1.444
-0.9105	-1.3445	0.5575	0.1165	-0.7195	0.0635	-0.5215	0.0005	0.2145	-0.2025	0.4915	0.0425	0.1745	-0.3135	0.1805	-0.4275	-0.7895	0.2095	-0.2855	-0.2765	-0.2585	0.8555	0.2815	0.0455	0.3405	0.2215	0.5315	0.2415	-0.3205	0.0095
1.1245	1.2335	0.2985	0.9255	-0.1185	0.6605	1.1935	3.4165	0.7955	0.7685	1.2015	0.4005	0.5435	1.8415	2.2465	1.2995	0.6835	-0.2035	-0.1845	-0.0615	0.2035	-0.0705	-0.0465	0.0875	-0.1435	-0.0875	0.4885	-0.7025	-0.0875	-0.2755
-0.369	0.796	-0.26	-0.545	-0.532	0.595	0.143	-0.377	0.208	0.049	-0.169	-0.254	0.897	-0.057	-0.089	-0.521	-0.04	0.666	-0.534	-0.041	-0.02	-0.862	-0.467	-0.074	-0.488	-0.162	-0.726	-0.434	-0.351	-0.014
0.0175	-0.5735	1.9885	0.9095	1.7115	1.2275	1.7135	1.6175	0.4615	-0.1455	0.3665	0.9425	0.4585	1.1305	0.5195	0.8875	0.3905	2.1175	0.5265	1.6805	1.8225	1.1625	1.0405	2.2185	0.8615	1.6425	2.2295	2.9495	0.3705	-0.4305
-0.0735	0.0145	-0.8555	0.3285	-0.2545	-0.6065	0.1485	-0.4095	-0.0095	-0.0075	-0.1275	-0.5425	-0.4155	-0.2585	-0.2675	-0.6735	0.0745	0.1275	0.4245	0.2025	-0.1375	0.3255	0.0035	-0.1865	-1.1165	-0.6665	-0.2015	-0.1055	-0.5025	-1.0375
0.3485	0.3815	-0.3465	-0.7285	0.0805	0.0355	-0.1535	-0.5705	-0.1745	-0.3685	-0.8455	-0.3055	-0.1115	-0.4115	-0.3045	-0.0405	0.0065	0.8045	0.5365	-0.5425	-0.5055	-0.4355	0.0935	-0.9075	-1.0005	-1.2325	-0.3405	-0.9635	0.0175	-0.4115
-0.396	-0.58	-0.196	0.196	0.127	-0.067	0.513	0.918	0.548	0.314	-0.296	-0.005	-0.243	0.023	-0.303	-0.126	0.212	0.481	0.697	0.033	0.242	0.836	0.855	1.389	-0.499	0.092	0.448	0.759	0.476	-0.774
-0.0085	0.7035	0.6025	1.2885	1.0405	0.7685	0.0085	0.8215	-0.6885	0.3295	0.3615	0.2815	-1.2445	1.2235	0.8075	0.8945	-0.1975	-0.8785	0.4905	-2.0835	0.2785	1.5285	-0.0625	-1.8735	0.1145	0.5545	0.4935	-0.5635	1.7875	0.5255
-0.834	-0.61	1.018	-0.527	1.248	0.179	1.643	1.02	-0.191	-0.404	-0.14	0.398	-1.301	0.84	0.824	1.745	0.341	1.639	-0.285	0.196	1.281	0.778	0.031	1.131	1.012	0.728	0.705	0.829	1.189	0.275
-0.0095	0.1625	0.3325	-0.5315	0.8295	-0.3725	0.0715	-0.3315	-0.4045	-0.0145	0.0305	0.2945	0.1925	-0.0165	0.5315	-0.1565	-0.0015	-0.0895	6.9005	6.0135	2.4155	-0.3085	-0.0085	-0.5825	-0.2675	-0.1655	-0.0935	-0.2385	-0.4075	-0.0175
0.1725	-0.0325	2.2345	1.0425	1.7115	-0.2135	-0.7375	1.8795	0.9125	1.1675	0.9545	-1.2585	0.0335	1.1435	1.1265	0.8115	0.2725	-0.6975	0.8695	0.2225	0.7635	0.3125	-0.5165	0.2005	2.0175	0.3305	1.5285	1.3645	2.8505	0.5615
-0.657	-0.671	0.081	-0.023	0.526	-0.804	-0.188	0.223	0.399	-0.305	0.058	0.088	0.342	-0.141	0.132	0.203	0.337	-0.728	-0.643	0.161	-0.124	-0.012	0.906	-1.312	0.534	0.407	-0.27	0.726	0.995	-0.174
-0.079	-0.12	1.102	2.345	1.56	1.239	1.935	0.668	-0.186	0.375	1.081	0.566	1.104	1.955	0.999	1.191	0.012	0.234	-1.584	-1.937	-0.311	2.291	0.932	1.993	0.603	1.774	2	2.106	-1.868	-0.551
1.011	1.319	0.312	0.133	-0.669	0.569	0.104	-0.931	-0.474	0.46	-0.223	-0.536	0.435	-0.054	-0.414	-0.398	-0.048	-0.095	-1.408	-0.534	0.341	-0.846	-0.559	-0.549	-0.032	-0.637	-0.35	-0.594	-0.637	-0.238
-0.2415	-0.5045	0.0665	0.3845	-1.1665	0.2075	0.7625	-0.8865	-0.3125	0.4345	-0.4125	-0.3775	-0.1265	-0.4505	0.0625	-0.6125	-0.1865	-0.4095	-1.0745	-0.8705	-0.9365	-0.7355	-0.0815	-0.7775	-0.1335	-0.8005	-0.4875	1.1315	0.2735	-0.6545
1.4365	0.8595	-0.0015	0.4425	0.4965	-0.3115	0.6865	1.9125	1.5335	0.8015	1.3015	2.1815	0.3175	1.8425	1.9255	2.6325	1.2735	2.9315	-1.5645	-1.1685	0.0335	-0.7775	-1.1155	-1.6435	-1.7955	-1.1085	-0.2965	-3.6645	-1.1935	-1.4315
-0.194	0.115	-0.383	-0.825	-1.19	0.456	-0.542	-0.908	-1.094	-0.232	-1.54	-1.294	-0.726	-1.063	-0.28	-0.045	-0.838	0.475	-0.858	-0.71	-0.585	-0.607	-1.009	0.308	0.101	-0.135	-0.866	-0.733	-1.387	-0.75
-0.6535	-1.4625	-0.1015	-0.3985	-0.6245	-0.5355	-0.9985	-0.2795	-0.7245	-0.4375	-0.2155	-0.3945	-0.3615	-0.7845	-0.7775	-0.4305	-0.4565	1.4255	-1.3835	-0.1565	-0.0475	0.0105	-0.5735	1.6245	0.2325	0.0285	-0.3935	0.1475	0.3825	0.1615
0.608	1.429	0.39	-0.32	-0.534	0.327	0.013	1.156	0.231	0.127	-0.12	0.884	-0.965	0.616	1.29	0.515	0.569	-0.372	-2.135	-2.388	-0.239	-0.681	-0.093	-1.654	1.484	0.924	-0.245	-0.409	0.11	-0.569
0.222	-0.771	0.777	2.477	0.001	0.439	2.039	1.52	1.302	0.117	1.294	1.622	0.58	1.523	0.165	0.788	1.726	2.384	0.342	0.847	0.824	1.255	-0.11	1.858	-1.151	0.389	0.838	2.05	-0.258	0.868
-0.241	0.292	0.033	0.182	-0.38	0.228	0.192	-0.324	-0.274	-0.281	-0.141	0.107	-0.027	-0.018	0.388	0.291	0.629	0.112	-0.293	-0.046	-0.098	-0.22	-0.016	-0.425	0.436	0.102	0.62	0.277	-0.101	0.353
-0.966	-1.3	-0.309	-0.455	0.235	0.006	0.717	0.619	1.155	0.227	0.638	-0.553	0.385	-0.339	-0.871	0.157	0.33	-0.635	1.357	1.7	1.616	0.742	1.808	0.704	0.959	0.641	1.361	2.079	1.132	-0.112
-0.118	0.247	-0.043	0.268	-0.433	-0.034	0.001	-0.305	0.058	0.334	-0.001	-0.086	0.248	0.021	-0.307	-0.745	-0.17	-0.44	-0.313	-0.23	-0.447	-0.126	-0.072	-0.469	-0.604	-0.276	-0.056	-0.348	0.21	-0.333
0.221	0.361	-0.465	-0.434	-0.369	1.957	-0.586	-0.165	-0.118	0.12	-0.124	1.556	-0.019	-0.177	0.139	-0.004	-0.156	0.105	0.673	3.362	-0.195	-0.441	-0.257	-0.624	0.032	0.399	-0.131	-0.203	0.047	0.624
-0.3385	-0.1515	0.3775	-0.2085	-0.1965	0.0725	0.4955	0.0745	0.9085	-0.0155	0.2215	2.8275	-0.1595	-0.2325	0.2245	0.2385	-0.1475	2.7845	-0.3405	0.3275	-0.0095	-0.0955	1.2795	0.1145	0.3735	-0.1575	0.1825	-0.8935	0.1335	1.0525
-0.189	0.048	0.68	0.674	0.432	-0.206	0.292	-0.032	0.471	0.597	-0.259	-0.478	-0.06	0.022	-0.013	0.111	-0.055	0.489	-0.222	-0.203	-0.188	-0.311	-0.048	0.695	0.311	-0.145	-0.392	-0.12	0.014	-0.26
1.716	1.8	-0.163	-0.848	-1.471	0.003	-0.748	0.06	0.473	0.059	-0.252	-0.438	-0.221	0.958	0.748	1.314	-0.003	-0.813	0.695	-0.377	-0.952	-0.651	-0.402	-1.412	-0.02	-0.98	-0.926	-1.456	0.391	-0.33
-0.458	-1.032	-0.123	-0.51	-1.374	1.181	0.193	-0.893	1.066	-0.5	-0.01	2.154	0.408	0.201	-0.687	-0.612	-0.846	2.154	1.545	0.889	0.62	1.468	0.81	-1.111	0.427	1.23	0.141	0.98	0.243	0.608
-0.2895	0.3745	-0.3925	1.1995	0.1755	0.0585	-0.1595	0.6175	0.5785	-0.3145	-0.2405	-0.3675	-0.1935	0.4805	0.6815	0.5295	0.2285	1.7705	1.3535	-0.6455	0.0315	1.8435	0.6855	1.2045	1.0675	0.4265	1.0985	0.7205	-0.0765	-1.1435
-0.5525	-0.7755	0.0385	0.1765	0.4315	-0.2025	1.0775	1.1775	0.9235	0.0695	1.5175	-0.1165	0.2195	0.0905	0.3495	0.6355	0.5245	-0.3105	1.4495	1.0815	1.1785	1.0405	1.4615	-0.5615	0.7795	1.0355	0.7705	1.3435	0.7155	-0.2165
-1.756	-1.593	-0.606	-0.241	0.352	-0.054	-0.904	-0.422	-0.217	-0.366	-0.31	0	-0.034	-1.758	-0.1	-0.606	-0.398	-0.136	-0.29	-0.523	-1.174	0.204	-0.124	-1.222	0.011	0.281	0.066	0.91	-0.583	0.42
0.751	0.572	0.351	-0.397	-0.49	0.069	-0.152	0.13	0.213	0.18	-0.171	-0.042	0.208	-0.185	-0.331	-0.333	-0.289	0.264	-0.385	-0.516	-0.605	-0.231	0.368	-0.882	-0.428	-0.803	0.208	0.238	-0.301	0.149
-1.348	-2.194	-0.91	-1.252	-0.719	-1.735	-0.572	-0.702	-0.468	-1.742	-1.195	-1.252	-1.057	-1.808	-0.751	-0.321	0.057	-0.645	0.72	0.172	-0.515	-0.512	1.053	-1.701	-0.845	-0.789	-1.5	-0.734	-0.002	-1.357
-0.355	0.1	-0.456	-0.524	-0.553	-0.184	0.451	-0.686	-0.573	-0.151	-0.124	-0.436	-0.229	-0.224	0.415	0.431	0.463	0.351	0.282	0.102	0.168	-0.005	1.217	-0.45	-0.524	-0.165	-0.01	-0.505	0.037	0.045
-0.9895	-0.2585	-0.6775	0.5965	-0.0475	0.2545	-0.2745	-0.4485	-0.9535	-0.6705	0.3905	0.3615	-0.3785	0.2175	0.7515	0.9235	0.7095	0.7475	0.4665	-0.0025	0.0265	1.2125	0.0655	0.8015	1.3555	0.5075	0.0025	-0.0315	1.0015	0.2555
-0.5105	-0.7825	0.3515	0.1765	-0.4285	-0.7425	0.0335	-0.3175	-0.1495	-0.2495	0.8405	0.0205	0.0915	-0.2785	0.0945	-0.2295	-0.2205	-0.7285	-0.2045	-0.1585	-0.0125	-0.0985	-0.2075	-1.2845	-0.7675	0.1275	0.1425	0.6285	1.2725	0.5845
-0.1235	-0.1775	-0.5315	-1.2095	-0.6105	0.8915	-0.6295	-0.4855	-0.4635	-0.4645	-0.3995	-0.5685	-0.0535	-0.6205	-0.2135	0.0835	-0.3605	-0.2985	-0.7525	-0.4555	-0.4585	-0.7165	0.4215	-0.1805	0.3465	-0.0145	0.0315	0.2035	-0.1525	-0.3745
-0.7285	-1.0275	-0.1345	0.3825	0.0335	0.6165	0.3135	-0.4815	-0.2495	-0.3495	-0.1325	-0.2835	-0.0465	-0.3545	0.1245	-0.5825	0.6125	-0.1695	0.0425	-0.1035	0.0915	0.8565	0.2325	0.3885	0.8505	0.9115	0.4555	0.9045	1.1645	0.6985
-0.128	-0.28	0.098	-0.441	-0.25	0.316	0.579	0.694	0.433	-0.084	0.03	0.223	0.524	-0.176	-0.042	-0.535	0.133	-0.425	0.353	0.031	-0.21	0.214	0.395	-0.544	-0.306	-0.058	0.434	0.646	1.287	-0.454
-0.8175	0.1555	-0.2965	0.0905	-0.0665	0.0635	-0.5175	-0.1505	0.0675	0.1755	-0.3915	0.1195	-0.0265	0.0225	0.1245	0.4195	0.1795	0.1435	0.0495	-0.1775	-0.0125	-0.5385	0.2695	-0.9035	0.4395	0.2685	0.0925	0.3925	-0.2715	-0.0125
0.141	0.823	0.883	0.407	0.997	0.749	0.479	0.184	0.258	0.181	-0.217	0.561	0.212	0.734	0.733	0.657	1.047	-0.075	0.087	0.58	-0.065	-0.248	-0.069	-0.475	0.14	0.286	0.925	0.215	0.246	-0.204
-0.0645	0.1015	-0.4495	-0.1165	-0.9235	0.6635	0.3315	-0.2975	0.0685	-0.4055	-0.4275	0.2015	-0.0035	-0.1515	-0.0625	-0.1255	0.1625	-0.3515	-0.8485	0.0515	0.0355	-0.1775	0.2345	-0.4785	-0.2655	0.0755	-0.3775	-0.0415	0.0025	-0.4625
-0.5715	-1.2385	-0.2195	0.6455	0.6315	-0.6235	0.1045	1.0545	-0.9585	-0.9335	-0.6565	-0.8015	-0.4265	0.4555	0.0515	0.8675	1.4545	0.3815	0.0265	-0.4355	-0.0865	1.0745	-0.9685	2.4095	1.5245	1.4185	-0.1105	0.0595	-0.9285	-1.1735
0.1905	0.3885	1.2315	-0.0825	-0.3965	0.1815	-0.5835	0.0095	0.2755	0.4005	0.1145	0.3675	-0.1475	0.2125	0.5575	-0.2795	-0.1715	-0.4945	0.7655	1.4745	1.0375	0.0875	-0.4885	-0.2305	-0.6165	0.4745	0.7515	0.4965	-0.7625	-0.2225
-0.15	-0.671	-0.278	-0.799	-0.371	-1.165	-0.156	0.22	-0.83	-0.215	0.948	0.799	-0.3	0.064	0.119	0.174	0.383	0.343	-0.849	-0.054	0.122	-1.114	-0.76	-0.04	-0.115	-0.097	0.067	-0.375	0.926	0.413
0.0185	-0.1275	-1.1255	1.3485	0.5915	-0.7925	0.4595	1.0015	0.3245	-0.2325	0.6215	0.4465	0.1595	0.7035	1.1715	0.0185	0.0385	0.7685	1.7955	0.8585	1.6915	1.6605	0.6705	1.0785	0.9295	1.3885	0.6285	0.6715	0.0435	-0.6375
-0.5825	-1.2315	-0.8155	-0.0015	-0.1225	0.4525	0.0015	-0.1705	0.4985	0.3965	0.3925	-0.6275	0.1665	0.2205	-0.2355	-1.3975	-1.1955	-0.4955	0.6555	0.6095	0.1225	1.3045	0.0335	1.7265	0.5905	0.4965	0.0075	0.2225	-1.0635	-0.7605
0.557	1.544	-0.102	0.116	0.555	0.142	0.658	1.133	0.038	0.209	0.357	0.696	1.484	0.696	0.911	0.732	1.059	1.505	0.835	0.119	-0.171	-0.76	-0.104	0.037	1.303	0.758	0.717	0.422	-0.615	0.766
-0.288	0.358	0.762	1.046	0.567	1.545	1.167	1.004	0.945	0.787	-0.272	1.302	1.405	0.878	0.139	0.298	1.101	-0.055	0.465	1.341	1.244	1.222	0.897	0.139	1.528	2.525	1.193	1.798	0.113	-0.056
-0.0975	0.7295	-1.2455	-0.8155	-0.9555	0.7625	0.1415	-1.2755	-0.8315	-0.5505	-0.4665	-0.9035	0.2145	-0.1855	-0.7385	-0.4275	0.2505	-0.1905	-0.9045	0.8325	0.2165	-0.3645	0.7005	-0.1065	0.4995	-0.1705	-0.1245	0.4355	0.5675	1.5295

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0504 LUMINAL	9830-0200 LUMINAL	BR95-0038 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
-0.0895	0.1845	0.1365	-0.2425	-0.4945	0.0825	-0.1045	-0.0575	-0.3615	-0.5545	-0.2175	-0.0275	-0.1795	0.0405	-0.0855	0.0015	-0.0245	-0.1675	-0.0895	-0.4195	0.0135	0.0745	-0.5045	0.1535	0.4445	0.1185	-0.0345	0.1955	-0.3175	0.0045
0.1555	0.0355	-0.2645	-0.0145	-0.1395	-0.2295	-0.6855	-0.0565	0.3995	0.2305	-0.0055	-0.0245	0.1855	0.0545	-0.0975	-0.1925	-0.1035	0.2115	-0.0025	0.0895	0.2935	-0.4255	-0.0275	-0.1865	-0.5495	-0.0605	-0.3555	-0.5755	-0.1885	0.3525
3.0685	2.9285	2.0075	0.7005	-0.0915	0.7765	1.4065	1.6495	1.2765	1.0595	0.3205	-0.0005	0.8535	2.4715	1.8285	1.4045	1.1855	-2.0675	-0.8455	-1.4725	-1.8205	-0.3285	-0.0155	-2.0745	-2.0305	-1.4505	2.2335	2.1135	-0.0665	-0.2095
0.7715	2.5275	0.6895	0.3745	-0.3005	0.4155	0.4915	2.1585	1.0045	0.7605	0.9315	0.4015	-0.2855	1.9215	1.3755	0.9985	0.8725	-0.2105	0.2895	-0.5375	-0.6755	-0.4365	-0.2545	0.1195	0.1435	-0.3455	0.5835	-0.7535	-0.2855	-0.6365
1.9385	3.3645	0.4105	-0.3495	-0.8475	0.6045	0.0665	2.7105	0.5635	0.8295	1.0755	-0.1585	-0.2175	2.4635	2.0455	0.7455	0.7955	-0.6855	0.3645	-1.1495	-0.4105	-1.3205	-1.1755	-1.4795	-2.9645	-1.5085	-0.2345	-3.3395	-0.3735	-1.4605
0.536	0.953	0.712	0.821	-0.253	-0.503	1.896	3.389	0.483	0.657	0.572	1.136	-0.056	2.214	2.368	1.618	0.53	-0.498	1.103	-0.514	-1.263	-0.161	-0.306	-0.442	-0.771	-0.638	1.085	-0.62	0.131	-0.672
1.166	2.392	1.683	0.399	1.954	-0.099	0.566	2.499	0.626	0.742	0.529	-0.261	-0.474	2.255	1.382	1.275	1.05	-0.645	0.126	-0.294	-0.819	-1.153	-0.707	-1.006	-1.068	-1.149	0.657	-1.912	-0.594	-0.986
-1.518	-1.231	-1.291	-1.465	-1.173	-0.953	-1.496	-0.636	-0.927	-1.49	-1.79	-0.97	-0.771	-1.882	-0.742	-0.787	-0.342	-1.091	-0.459	-0.3	-0.596	-1.094	0.108	-1.733	-0.869	-1.395	-0.646	-0.295	-0.379	-1.491
-0.8825	-0.4755	-0.9975	-1.1355	-0.7505	-0.9095	-0.4975	-0.8465	-0.7045	-0.7005	-0.4275	-0.1205	-0.6925	-0.7215	-0.2405	-0.2815	0.3775	-0.5135	0.1535	-0.1105	-0.4375	-0.4955	-0.3765	-0.2015	-0.2465	-0.7685	-0.6085	-0.1075	-0.2655	-0.5775
0.373	-0.177	-0.782	-0.907	-1.004	1.584	-0.42	-1.166	-0.279	-0.305	0	-0.007	0	-0.015	-0.247	-0.347	0.142	0.293	1.221	0.608	-0.148	1.024	0.215	-0.812	-0.21	-0.328	-0.362	-1.17	2.761	-0.858
-0.1275	-0.2815	0.2455	-0.7995	0.2885	-0.1295	-0.1335	0.0075	0.1875	-0.0195	0.5025	-0.2775	0.0615	-0.0475	-0.5625	0.6545	-0.2475	0.2445	0.3465	0.3085	0.1035	-0.1675	0.0495	-0.2695	-0.1385	0.1725	-0.0785	0.4625	0.7025	0.2795
3.6315	2.4855	1.8515	0.9375	3.4995	0.3135	0.1185	2.6015	-0.0395	0.8715	1.0245	1.3955	-0.5965	3.4355	1.5995	1.4485	1.2585	-0.5345	0.1275	-0.8465	2.4905	-0.6775	-1.5085	-1.0375	-0.7605	-0.9035	0.6595	-1.1395	3.4885	2.4385
3.5655	3.4435	2.4255	0.9135	3.2035	0.2015	-0.1855	2.0885	-0.3955	1.3915	0.8965	2.1115	-0.8755	3.0885	2.3445	2.0945	1.9005	-1.1005	-0.3455	-1.1155	2.7355	-0.9475	-2.0455	-1.7045	-0.3635	-1.1705	0.7115	-1.0985	3.8655	2.0635
1.159	3.354	0.743	0.007	-0.754	-0.266	0.618	1.984	2.037	0.966	1.867	0.613	-0.602	1.545	2.137	1.49	1.142	-1.615	0.074	-1.535	-1.324	-0.063	-0.048	-0.902	-1.565	-0.592	0.918	-2.316	0.118	-1.246
-0.827	0.041	-0.254	-0.749	-0.136	0.059	-0.576	0.378	-0.216	-0.031	-0.424	-0.047	-0.315	-0.775	0.514	1.58	0.457	0.864	-0.529	-0.441	0.416	0.129	0.396	0.794	0.969	1.147	1.205	1.418	2.664	0.914
-0.1365	2.7235	-1.2235	0.9015	1.0635	0.5595	-0.4875	0.8515	0.3035	1.4265	0.0515	0.1005	-1.8355	0.0745	0.0645	-0.6945	-0.6935	-0.7135	3.1675	1.0055	3.0225	2.9695	-0.8115	-1.7845	0.8825	-0.1845	-0.2505	-0.6285	1.9455	-0.8195
-0.146	-0.743	0.957	0.453	-1.418	-1.22	-0.467	2.31	1.842	1.152	1.118	0.759	-0.102	2.126	1.659	1.415	0.765	-2.852	1.015	-1.448	-1.998	-0.138	-0.43	-1.52	-3.265	-1.105	0.047	-2.973	0.925	-2.45
-0.2305	-0.4935	-0.0655	-0.6685	0.2025	0.1605	-0.1225	-0.1565	-0.4535	-0.1475	0.0275	0.0545	0.0885	-0.1005	-0.1275	0.2525	-0.0015	0.0985	1.5185	0.1375	1.9795	-0.0295	0.1265	0.3925	0.0335	0.8095	-0.0525	0.5845	0.2375	-0.0275
0.199	-0.365	-0.258	-0.601	-0.044	-0.254	-0.858	-0.033	0.262	0.135	0.382	-0.084	-0.092	0.27	-0.422	0.487	-0.175	0.178	-0.222	0.195	0.301	0.914	0.27	-0.816	-0.018	0.334	0.436	0.668	1.517	1.694
1.2305	0.7165	0.3155	0.2265	-0.2275	-0.3395	1.0625	2.4475	0.4495	-0.0725	1.3725	0.3815	-0.0015	1.3505	2.4995	1.3795	1.8365	0.6945	1.6675	0.5665	0.5295	-0.9565	-0.5815	-1.6305	-0.6975	0.2185	0.2365	-0.1945	0.9185	-0.4235
1.6165	2.1905	0.3615	0.0645	0.2145	0.0245	0.9345	2.5945	1.9315	0.4345	1.2185	0.0845	0.0845	1.0245	2.1545	1.3145	1.3245	-1.4965	1.3345	-0.5345	-0.0955	0.5145	1.3245	-2.1455	-0.8355	-0.8555	0.3845	-2.2655	-0.4955	-1.3555
-0.749	-0.758	-0.663	-0.065	0.95	-0.375	0.699	-0.558	0.195	-0.32	0.042	-0.042	-0.181	-0.46	-0.192	0.129	0.67	0.001	0.999	0.536	0.823	0.484	0.38	0.847	0.977	0.458	0.555	0.913	0.458	0.195
-0.442	-0.594	1.295	0.343	-0.268	0.747	0.333	-0.377	0.124	0.285	-0.251	-0.384	-0.093	-0.197	-0.237	-0.426	-0.322	-0.182	-0.504	-0.383	-0.542	-0.078	-0.377	0.278	-0.177	-0.421	-0.316	0.29	-0.271	-0.378
0.0765	-0.2605	0.0385	-0.0925	-0.2465	0.3755	0.1795	-0.5965	-0.1695	0.4265	-0.0885	-0.3285	-0.1305	-0.4295	-0.4735	-0.4655	-0.0395	-1.3905	0.4615	0.2505	0.3265	-1.1605	-0.9885	-1.8105	-0.3255	-0.9295	-0.3085	-0.3295	-1.0365	-0.4845
-0.8455	1.2955	-1.6285	0.5505	0.5155	0.7715	-1.6185	1.4005	1.7455	-0.4265	0.0045	1.1135	-0.0045	1.6115	0.7715	-0.8885	-0.6965	-0.6985	-1.4185	0.4125	0.4815	0.9875	2.0975	-0.3465	1.0665	1.0085	0.4295	0.3035	-0.7055	1.5195
1.1305	0.3245	-0.0735	-0.0965	0.6085	1.0385	0.3065	0.6315	0.7205	-0.1265	-0.4265	0.0415	-0.4235	0.0345	0.5345	-0.2665	-0.0425	-0.9125	-2.4195	-0.8795	-0.5315	-1.1065	-1.2675	-1.8115	-1.1735	-1.2905	-0.5545	-1.7215	-1.3935	0.6995
-0.1135	-0.4265	1.1305	-0.1735	0.1075	-0.0865	0.0015	0.5685	0.7135	0.1745	0.1515	0.5465	0.3955	0.0185	0.1785	-0.4425	0.2365	-0.3505	0.2025	0.6325	0.1765	-0.0385	-0.0225	-1.6175	-2.0325	0.2765	-0.3655	-0.3525	-0.1115	0.1025
0.756	0.708	0.479	0.456	0.288	0.369	0.503	0.177	0.134	-0.045	0.18	0.827	0.171	0.727	0.602	0.642	0.192	-0.107	-0.098	0.315	-0.016	-0.053	0.062	0.543	0.23	0.576	0.48	0.116	0.103	0.488
-0.102	-0.018	0.98	0.96	1.792	0.773	-0.098	0.208	-1.109	-0.329	-0.792	0.582	-1.031	-0.158	0.463	0.135	0.882	1.218	0.374	0.017	1.298	1.058	-0.681	-0.197	1.818	0.993	0.511	0.673	1.221	1.494
-0.2785	-0.4715	1.3235	0.2575	-0.5045	0.0345	0.8785	-0.6715	-0.9525	0.5495	0.2065	-0.2375	0.5745	0.1075	0.2215	-0.8065	0.5415	0.2015	-2.8135	-1.5225	-0.5615	-1.8945	-0.7985	1.2355	-1.4735	-1.7185	-1.3385	-0.6495	-0.7875	0.3825
0.395	0.516	-0.246	0.322	0.831	-0.19	0.59	0.109	0.522	-0.094	0.13	-0.141	-0.178	0.202	0.075	0.164	0.396	-0.163	1.394	0.248	0.622	0.497	0.88	-0.073	0.233	-0.237	0.146	0.29	-0.102	-0.149
-0.059	-0.183	0.072	1.254	0.45	-0.081	0.7	0.308	-0.046	-0.479	-0.212	0.384	-0.367	-0.021	0.146	-0.118	-0.804	-0.297	0.716	0.456	0.385	0.989	0.457	1.542	-0.197	0.601	0.428	0.591	-0.039	0.105
-0.563	-0.552	-0.338	-0.014	1.548	0.765	0.252	-0.739	0.961	-0.252	0.182	1.731	-0.415	-0.117	0.125	1.453	3.345	0.897	0.836	2	0.493	0.907	1.336	-0.658	1.276	0.647	0.484	0.623	1.374	1.174
-0.2165	-0.2975	0.6425	0.1985	0.3925	0.0535	0.4885	0.7365	0.5145	-0.5095	-0.4795	-0.0165	0.2855	-0.2185	-0.2085	-0.3215	-0.2585	0.4475	0.6635	-0.4415	-0.1055	0.3675	0.3055	-0.2105	-1.1025	0.0305	0.0415	0.2115	1.9185	0.5535
-0.169	-0.678	0.144	0.357	-0.438	-0.39	0.183	-0.092	0.26	0.339	0.242	-0.372	0.306	-0.025	-0.405	-0.485	0.033	-0.182	-0.481	-0.132	0.048	-1.26	0.253	0.839	-0.05	-0.05	-0.187	0.188	-0.257	0.26
-0.364	-1.252	-0.636	-0.425	0.183	-0.25	0.008	0.149	0.579	-0.413	-0.172	-0.106	0.721	-0.184	0.029	-0.219	-0.116	0.353	1.104	0.481	-0.132	0.072	0.53	0.4	-0.701	-0.134	-0.317	0.258	0.478	-0.151
-0.0395	-0.8455	0.4845	0.3705	0.1275	0.5605	0.2925	1.8255	-0.4635	0.0085	-0.1485	0.1065	0.1635	0.2845	-0.0635	0.0135	0.0885	1.6535	0.9335	0.0435	-0.5035	0.0775	-0.2535	2.0655	0.2345	-0.2505	-0.1665	0.0205	-0.1445	0.2845
-0.4035	-0.7145	2.1905	1.3025	0.4785	0.9275	0.2875	1.4615	-0.8435	0.9525	-0.8465	0.6405	0.3085	1.5105	2.1835	1.8625	-0.1735	2.9395	-0.8035	-0.1305	0.1725	1.6165	-0.2345	-1.5355	1.0295	1.8085	0.3455	0.3965	2.8345	1.7415
-0.9675	-1.2945	1.3515	0.6885	0.5085	0.2095	0.1005	0.2635	-0.5365	-0.5245	0.2695	0.3035	0.1875	-0.2905	-1.1285	-1.9765	0.5115	0.9085	0.1945	0.5435	1.4955	1.4205	0.8325	1.0995	1.5455	1.4395	1.0435	1.5585	0.9345	0.2985
-0.1655	-0.0405	0.3365	-0.1895	0.0895	-0.2405	-0.2925	-0.3055	0.1725	-0.1945	0.0015	-0.0675	0.0905	-0.2265	-0.1025	0.0635	0.3005	0.2835	-0.2945	0.3515	0.2765	0.4115	0.4105	-0.0185	0.3635	0.2725	0.6305	0.7235	0.9105	0.1355
0.1835	-0.2845	-0.3705	-0.1885	0.8225	-0.4705	-0.1325	0.2775	0.0665	-0.0005	1.0075	0.2505	0.3965	0.1205	0.2835	1.2165	0.2365	-0.4885	0.9385	0.8075	-0.0645	-0.0365	0.1065	-0.4905	1.0765	0.0995	-0.1805	-0.3425	0.3075	-0.1235
-1.174	-1.582	1.289	0.844	-0.255	0.155	0.456	0.731	0.105	-0.12	-0.311	-0.339	-0.071	0.075	0.551	-0.804	-0.133	0.238	0.447	0.056	0.193	0.643	0.124	0.463	-0.443	0.242	0.554	0.6	1.104	0.059
0.78	1.059	-0.221	-0.48	-0.153	-0.234	-0.759	-0.306	-0.035	-0.083	-0.086	2.24	-0.12	0.225	-0.103	-0.217	-0.205	1.514	2.999	2.062	0.45	-1.425	-0.535	-0.55	-0.603	-1.136	-0.152	-0.734	0.208	0.291
1.2055	1.3605	0.2115	0.0375	2.8235	1.0265	0.2305	2.8275	0.5295	0.2585	1.2265	2.4285	0.0495	0.6535	1.7465	0.6865	-0.1895	-1.1085	-0.8725	-0.4555	-0.6895	-0.5815	2.5705	0.0635	0.2005	-0.5265	0.6195	-1.0825	-0.5685	0.2255
0.094	-0.187	-0.424	-0.999	-0.463	-0.507	-0.419	-0.226	0.154	-0.104	0.448	0.035	0.166	0.115	0.57	0.113	-0.075	0.277	-0.473	-0.47	-0.716	-0.413	-0.654	0.536	-0.167	-0.341	-0.277	-0.376	-0.258	0.46
-0.85	-0.594	0.687	0.926	-0.661	0.35	0.237	0.007	0.181	-0.088	0.185	0.335	-0.388	0.113	0.581	0.204	0.099	1.475	0.167	-0.202	0.567	0.396	0.419	0.566	1.074	1.03	0.37	0.145	0.476	0.178
-0.0205	0.2825	1.2335	0.5215	0.0675	-0.2735	0.4465	0.0235	0.4125	-0.6345	-1.5895	0.4885	0.6855	0.1985	0.2835	2.4485	1.2215	0.9705	-0.3615	0.3425	-0.1055	-1.0315	0.1755	-0.1115	0.6345	1.0485	0.3195	-0.3615	1.1545	1.3585
-0.51	0.26	-0.18	-0.241	-0.287	0.199	0.476	0.211	0.57	1.128	0.46	0.422	0.564	-0.42	-0.965	0.118	-0.685	-0.67	-1.322	-0.24	-0.14	0.454	0.467	0.448	-0.124	0.234	-1.243	-1.599	0.042	1.202
-0.524	-0.564	0.264	0.271	-0.258	-0.106	-0.409	-0.422	-0.255	-0.289	0.889	-0.292	-0.176	-0.383	-0.579	0.029	-0.659	-0.486	-0.614	-0.061	-0.143	-0.501	0.021	-0.407	-0.898	-0.573	-0.69	-0.125	0.968	0.177
0.102	-0.319	0.698	0.004	-0.089	0.407	0.149	0.395	0.675	-0.003	0.903	0.643	-0.404	0.024	-0.099	0.08	1.036	0.081	0.42	1.173	1.644	0.78	0.088	-0.607	0.833	1.106	0.488	0.572	1.204	0.91
-0.235	-0.266	0.068	-0.253	0.338	-0.005	0.177	0.137	-0.114	-0.228	0.639	-0.083	-0.006	-0.344	0.007	-0.166	0.124	-0.082	0.258	0.505	-0.282	0.045	-0.088	0.231	-0.002	-0.046	0.461	0.428	-0.173	-0.308
-0.9935	-0.7875	1.2665	1.4345	1.2215	0.9505	0.6635	0.0965	0.7295	-0.1135	0.2655	-0.7875	-0.5955	0.0365	-0.8395	1.4675	1.4195	1.8825	-1.1305	0.5805	1.9935	1.8465	1.4595	2.0845	0.1535	1.4275	1.4045	2.0845	2.2715	1.8315
0.5015	0.6805	-0.1005	0.4615	0.1595	0.5505	0.2175	0.2785	0.4125	0.3705	0.6555	-0.0485	-0.1295	0.4665	0.4505	-0.4415	1.2115	-0.8535	-1.8965	0.6415	-0.1275	-0.4025	0.2925	0.0485	-0.1265	-0.1375	0.5145	1.0275	-0.1175	-0.1265
0.5145	0.8195	-0.9775	-0.7275	-0.5005	-0.0195	-0.9805	-0.5865	-0.0145	0.2885	-0.1985	-0.3295	-0.6465	-0.7175	-0.1225	0.1665	-0.1475	-1.5115	-0.2715	0.0485	0.3985	-0.3825	0.0935	0.0025	-0.5355	-0.4105	-0.5595	-0.0405	-0.5055	0.0365
-0.591	-1.703	0.434	1.331	-0.328	-0.22	0.495	0.379	0.93	-0.584	1.306	1.103	0.07	-0.142	0.32	1.89	0.02	0.362	0.575	0.506	-0.294	-2.003	0.269	0.629	0.261	1.046	0.832	0.899	2.056	0.977
-0.0295	-0.1525	0.1045	-0.8365	-1.2685	0.2325	-0.3375	-0.0595	-0.1515	-0.0635	0.4495	-0.3335	-0.0975	0.0395	-0.0315	-0.4395	-0.5665	-0.5275	1.5925	0.3155	0.0245	0.5955	-0.4915	-1.0595	-0.6355	-0.0035	-0.0435	0.0315	-0.7285	-0.1385
-0.47	-1.395	-0.383	0.5	-0.101	-0.612	-0.317	0.22	-0.858	-0.545	-0.628	-0.399	-0.414	0.587	0.177	-0.18	-0.728	0.164	0.871	-0.519	0.344	1.078	0.218	2.071	0.724	-0.008	0.063	0.265	0.167	0.631
-0.109	0.994	0.952	0.861	0.649	-0.947	0.408	-2.277	-1.679	1.689	1.34	-1.649	0.799	-1.205	0.282	-1.848	0.515	-1.308	-2.528	-1.501	-1.005	1.514	0.542	0.408	-1.781	-1.829	-1.727	-2.039	-1.867	1.067
-0.1665	-0.6625	-0.0415	-0.4815	-0.5715	-0.1295	0.4515	0.0425	0.1345	-0.2705	0.2175	0.7465	-0.0785	-0.1735	0.1655	0.0265	0.4725	0.2815	0.7255	0.2065	0.3465	0.5815	0.7245	0.0195	0.1215	1.1885	0.5635	0.8995	1.3895	0.8365
-0.0035	0.5685	1.8535	1.0325	0.6155	0.7345	0.9775	0.6595	1.4875	0.3675	0.6415	0.5045	0.6425	0.8765	0.6805	0.4605	0.9065	1.0585	0.6115	0.4065	1.0335	1.7015	1.4455	0.8795	1.0425	1.1535	1.2765	1.0875	1.0475	0.7675
0.5455	0.2575	0.4575	0.7405	0.8835	-0.4515	0.2925	0.2515	0.0845	-0.1985	-0.3005	0.1985	0.0025	0.6275	0.5855	-0.0615	0.4615	0.4215	0.0615	-0.5115	-0.3575	0.0175	-0.0175	0.4125	-0.1005	0.4515	-0.0325	0.5745	-0.3095	-0.1795
-0.7345	1.2215	-0.3615	-1.6115	-2.1665	-0.5715	-1.8925	-1.5085	-0.8265	-1.0315	-0.8925	-0.8545	-0.7975	-0.7775	-1.5505	-1.0415	-1.3545	0.0445	0.7085	-0.1735	0.4125	-1.5215	-1.1535	-1.3605	-1.4705	-1.9315	-2.1315	-2.1265	-1.0925	-0.4745
0.487	0.472	0.967	1.155	1.131	-0.206	1.006	0.65	1.508	1.989	1.944	0.93	1.247	0.163	0.906	1.384	1.908	-0.127	-0.075	0.934	-0.673	1.934	0.673	0.002	0.932	0.458	1.128	-1.526	1.089	1.417
-0.515	-0.712	0.516	1.884	0.258	0.235	0.744	0.579	1.107	-0.194	0.298	-0.057	0.413	0.394	0.366	-0.311	0.528	-0.153	0.697	-0.489	-0.132	1.228	0.355	1.067	-0.181	0.29	0.391	0.541	0.315	-0.096
-0.2105	-0.3835	-0.4095	-0.1975	-0.2625	0.3565	-0.2125	-0.1285	-0.1085	0.0635	-0.4075	-0.1195	0.2815	-0.5055	0.0015	-0.5345	-0.0315	0.4085	-0.1305	-0.3625	-0.4635	-0.0015	-0.2815	0.0815	-0.2955	-0.3815	0.0755	0.0645	1.3795	0.8415
-0.5445	-0.4345	0.2805	-0.0405	-0.1885	-0.1065	-0.1705	-0.2385	-0.1895	-0.1065	-0.0655	0.0365	-0.0585	-0.1435	-0.3635	-0.2545	-0.2135	-0.0075	-0.3655	0.2355	2.3875	-0.4685	-0.1695	-0.1745	0.2895	-0.4125	-0.4575	-0.8165	-0.3205	-0.5045
-1.3635	-1.3395	0.5405	0.9035	-1.3085	-0.8315	1.6745	-0.6135	-0.2095	-0.0035	-0.7255	0.0355	0.2365	-0.3765	0.3055	-1.1535	-0.0975	-0.0095	-2.0305	-2.6525	-1.2295	-1.1005	-0.2895	0.4115	0.4745	-0.5215	-0.5645	1.5525	-0.3215	-0.5705
0.082	0.457	0.539	0.266	-0.341	-0.605	-0.337	-0.352	-0.075	-0.103	0.035	-0.384	-0.289	-0.146	1.19	-0.28	-0.099	0.241	0.063	-0.342	-0.112	-0.22	-0.551	-0.301	-0.149	-0.278	-0.321	-0.54	0.324	0.246
-0.561	0.036	1.048	0.399	-0.204	0.304	0.196	-0.524	-0.162	0.031	-0.138	0.404	-0.382	0.067	0.148	0.033	-0.072	-0.819	-0.909	-1.038	-0.58	-0.221	-0.272	-0.34	0.185	0.273	-0.54	0.099	-0.398	0.032
-0.803	-0.095	-0.327	-1.195	-1.435	-0.575	-0.395	0.185	-0.563	-1.495	-1.289	-0.925	-0.855	-1.663	-1.165	-1.685	-0.375	-0.921	0.205	-0.499	-1.146	-0.815	-0.025	-1.045	-2.325	-1.935	-1.145	-0.605	-0.275	-1.155
-0.226	-0.232	0.17	0.291	0.188	-0.14	-0.053	0.222	0.022	-0.198	-0.025	-0.369	-0.096	-0.204	-0.337	-0.13	-0.043	0.107	0.298	0.3	0.229	0.065	0.128	0.331	-0.405	-0.033	0.251	0.127	-0.018	-0.131
0.802	1.744	-0.593	-0.259	-0.189	0.24	-0.299	-0.193	0.273	0.305	0.046	-0.165	-0.353	-0.029	-0.602	0.497	0.541	0.331	-0.278	0.053	0.991	-0.476	-0.335	-0.005	-0.024	-0.115	0.336	-0.638	0.211	0.172
0.6945	0.4035	-2.0945	-0.5225	-0.6175	0.3235	-0.6345	-0.9505	0.1185	-0.4205	0.1175	-0.0105	3.1895	0.3135	0.0425	0.0125	-0.1925	0.0775	-0.7845	0.3425	-0.0085	-1.0885	-0.0855	-0.6145	0.1065	-0.1385	0.0795	-0.9095	-0.2085	-0.1145
0.5	2.04	-0.7	-0.318	-0.298	0.308	-0.458	-0.491	0.11	0.053	-0.06	-0.279	0.081	0.15	-0.065	-0.189	-0.144	0.31	-0.263	-0.03	0.93	-0.204	-0.191	-0.015	0.072	-0.263	0.208	-0.717	-0.39	0.342
0.8575	0.7235	-1.1035	-0.6555	-1.5855	0.2955	-0.8765	-0.4995	-0.5945	-0.1755	0.4145	-0.0735	-0.0745	0.3085	0.0415	-0.0075	-0.0295	-0.5205	-0.7535	0.3835	0.2085	-0.9345	-0.0745	-0.1935	0.2585	-0.1125	0.1025	-1.0965	-0.6655	-0.8195

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-001(LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-050(LUMINAL	9830-0200 LUMINAL	BR95-003(LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-038; LUMINAL
0.8355	1.0755	0.2455	-1.7915	0.2695	-0.2595	-0.9605	0.5095	-0.1935	-0.3255	-0.0755	0.2385	-0.1375	-0.0075	0.2315	1.8815	-0.2665	-0.3805	-1.2085	-0.7005	-1.1125	-1.6585	-0.6955	-0.4625	-0.2415	-1.1765	-0.6685	-1.9195	-0.9035	0.8355
0.423	0.005	0.607	-0.005	-1.263	-0.133	0.471	0.309	0.072	1.039	-0.011	0.187	0.065	-0.4	-0.295	-0.295	-0.464	-0.266	2.472	4.634	0.699	-1.136	0.213	-1.169	-0.752	-0.131	-0.626	-1.525	-1.98	-0.042
-0.4385	-0.9065	-0.5535	0.1025	-0.0445	0.0855	0.2395	0.4165	-0.0025	-0.4405	0.2085	0.4355	-0.0785	-0.0565	0.3635	0.9295	0.3485	1.9245	0.6345	-0.3235	-0.7485	1.1125	0.3745	0.7945	0.4825	0.8965	-0.0065	-0.3505	0.8405	-0.0595
-1.4045	-1.9705	0.4435	0.7335	0.0255	-0.1685	0.0605	-0.0035	-0.2715	-0.4785	-0.0895	-0.6935	0.0615	-0.1655	-0.3675	-0.4595	-0.4605	-0.1505	-0.7125	-1.1695	-0.4695	0.8455	-0.4695	-0.1045	-1.1385	-0.1825	0.1265	0.1715	1.6325	0.7855
-0.617	-0.166	-0.009	-0.586	-0.42	-0.234	-0.321	-0.411	0.081	0.125	0.085	-0.227	0.021	-0.347	-0.045	-0.113	-0.312	0.049	-0.201	-0.708	-0.322	-0.217	0.073	-0.324	0.416	-0.03	-0.28	-0.156	-0.034	-0.367
-0.953	-0.64	-1.208	-1.559	-1.117	0.85	-1.059	-0.423	0.095	-0.496	0.239	1.288	1.18	-0.999	-1.158	0.983	0.175	0.247	1.691	1.267	0.03	0.817	0.164	-0.436	-0.096	0.375	-1.179	-1.844	-0.083	-0.143
-0.7465	-0.6605	0.1425	-0.1035	1.3565	-0.7115	-0.0645	-0.2785	-0.1655	-0.2745	-0.8295	2.9655	-0.8935	-0.4175	0.6785	-0.1235	1.2445	-0.5175	-0.0645	-0.7955	0.7355	-0.4795	-0.0535	-0.5065	-0.6765	-0.8315	-0.3945	0.8045	-0.8445	0.2435
-0.2415	-0.3525	-0.4605	2.0625	-0.2685	-0.1505	-0.8115	-1.9835	-0.6495	0.3205	-0.8255	1.4155	0.2485	-0.9105	-1.4865	-0.3885	-1.2595	-0.7475	3.1455	2.5145	1.0185	1.2725	-0.7095	-0.9435	0.3315	-0.9495	-1.2345	-0.7235	-1.2665	0.2535
0.738	-0.06	0.847	-0.74	-0.498	0.551	1.541	0.579	0.225	0.168	0.07	1.068	0.669	0.461	1.17	-0.264	0.42	1.203	2.22	1.08	-0.068	-1.557	1.733	0.012	0.928	0.532	-1.231	-2.44	0.77	2.127
-0.239	-0.216	-0.495	-0.738	-0.42	-0.308	-0.6	-0.517	-0.158	-0.328	-0.597	-0.524	-0.295	-0.59	-0.513	-0.114	0.241	0.251	-0.128	-0.319	-0.329	-0.803	-0.134	-0.371	0.163	-0.364	-0.151	-0.385	-0.049	-0.28
-0.2655	-0.2025	-0.1005	-0.8175	-0.4875	-0.5345	-0.3435	-0.2995	-0.3425	-0.5225	-0.7525	-0.4815	-0.4195	-0.6135	-0.1605	-0.2395	0.3925	0.1835	-0.3455	-0.3865	-0.3455	-0.3045	-0.0355	-0.7315	-0.2565	-0.2565	-0.0405	-0.0895	0.2645	-0.5275
0.5975	0.9895	0.9725	1.7065	2.7655	1.0615	-0.5385	-0.2845	-0.5935	-0.8165	0.3055	-1.1905	-0.7315	0.8995	-0.7425	-1.2005	0.4825	-0.2695	-1.3045	-1.0285	0.3735	-0.3125	-1.5955	-0.7595	0.0005	-0.3835	1.0115	1.2605	2.8175	1.5205
-0.984	-0.851	0.326	0.075	-0.12	0.879	-0.569	-0.703	0.877	-0.662	0.397	-1.755	0.26	-0.89	-0.452	1.275	0.383	-0.166	0.643	0.02	1.142	1.696	1.393	0.204	0.896	0.445	0.842	1.125	1.565	1.266
-1.2645	-1.5115	0.2965	0.0515	0.0495	-0.8145	-0.8135	-1.2395	0.8275	1.1275	0.6295	0.0445	0.6685	-1.2165	-0.6445	0.7255	0.6265	0.0015	-0.7985	-0.0595	-0.8355	0.6175	0.4165	-0.6475	0.8995	-0.5255	0.4345	-1.2155	0.5905	1.0485
0.6565	0.4235	0.0295	-0.0165	-0.1665	-0.2395	-0.0065	0.1375	0.3365	-0.0115	0.4505	-0.1845	0.0075	0.3595	0.0435	-0.3205	-0.1115	-0.2915	-0.2665	-0.2455	0.0785	-0.2245	-0.4265	-0.3985	-0.5585	-0.4935	-0.6405	-0.9105	-0.1135	-0.1755
-0.384	-0.437	-0.285	0.176	-0.001	-0.546	-0.102	0.071	0.106	-0.688	-0.525	-0.079	-0.308	-0.292	0.176	0.02	-0.05	-0.846	-0.126	0.001	-0.004	0.281	-0.048	-0.374	0.243	-0.266	-0.246	0.218	0.191	-0.119
-0.7825	-0.3255	-0.4275	0.0255	-0.0485	0.0385	-0.4125	-0.4905	-0.3535	-0.4245	-0.4095	-0.4025	-0.6275	-0.5745	-0.2295	0.3675	0.1485	-0.1135	0.0755	-0.3535	0.2285	-0.1685	-0.1785	-0.4385	0.7285	-0.1275	0.2275	0.3215	0.0685	0.1205
-0.271	-0.136	-0.271	-0.04	-0.592	-0.596	-0.054	-0.785	-0.312	0.172	-0.136	0.001	-0.057	-0.088	-0.118	-0.006	-0.087	-0.493	-0.162	0.878	-0.505	-0.476	-0.294	-0.085	0.352	-0.133	-0.134	0.296	-0.557	-0.026
-0.9885	-1.5055	-0.0525	0.7055	-0.6005	-0.3395	-0.5905	0.2935	-0.5295	-1.0145	0.2435	-0.5825	0.0145	-0.1125	0.5075	1.2195	0.6315	0.2695	0.5385	-0.0885	0.1965	0.9185	0.6405	0.8295	1.0245	1.0865	0.6505	1.0875	0.4755	-0.4615
0.5975	0.1355	0.3375	-1.0905	-0.3495	-0.2605	-0.4335	0.4385	-0.0485	-0.2415	-0.4265	-0.3745	-0.6485	0.6425	0.1585	0.5855	0.7855	0.3875	0.1955	0.0995	0.1305	-0.7605	-0.2085	-0.1275	0.2765	0.4665	-0.4785	-0.8335	0.1095	0.3625
0.035	0.555	0.192	0.135	-0.089	0.291	-0.368	0.069	0.242	0.21	0.107	0.131	0.133	0.352	0.111	-0.286	-0.013	0.049	-0.661	0.033	0.042	0.041	0.073	-0.815	-0.059	-0.05	0.243	-0.27	0.233	0.166
-0.008	-0.103	-0.227	-0.251	-0.58	-0.177	-0.177	-0.598	-0.826	-0.491	-0.213	-0.09	-0.051	-0.06	-0.172	-0.038	0.813	-0.502	-0.08	0.268	-0.114	-0.595	0.147	-0.488	-0.058	-0.584	0.077	-0.439	0.017	-0.087
-0.384	-0.193	0.431	0.733	0.247	0.125	-0.102	-0.264	-0.258	-0.69	-0.556	-0.286	-0.184	-0.167	0.461	0.435	0.403	-0.236	-0.709	0.075	0.583	-0.189	0.192	0.956	0.141	0.63	0.958	0.785	0.654	0.256
-0.209	0.038	0.373	0.671	0.688	0.8	0.09	-0.133	-0.128	-0.142	-0.219	-0.198	0.078	-0.004	-0.077	-0.161	-0.299	-0.503	0.262	-0.186	0.441	-0.146	-0.187	0.805	-0.417	-0.246	0.116	0.099	-0.614	0.255
-0.6395	0.0105	0.1505	-0.0825	-0.0635	-0.1845	0.1295	-0.0275	-0.2985	-0.2405	-0.6965	-0.4345	0.0005	-0.2635	-0.3075	-0.3625	-0.1975	0.4435	-0.0775	-0.3875	0.0735	-0.0565	-0.1965	0.8455	-0.4385	-0.5655	-0.0075	0.0225	-0.2915	-0.2245
-0.438	-0.674	2.16	0.043	0.659	-0.507	0.674	0.017	-0.316	-0.356	-0.089	0.1	0.322	0.185	0.073	-0.249	0.235	-0.447	1.012	1.412	1.462	-0.304	-0.584	1.437	0.298	0.852	1.313	1.384	0.616	0.238
-0.372	-0.722	-0.623	-0.648	-0.938	-0.225	-0.558	-0.477	0.705	-0.544	-0.477	-0.449	-0.457	-0.455	0.505	-0.514	-0.442	0.839	0.529	-0.262	-0.34	-0.661	-0.031	0.116	-0.045	-0.403	-0.64	-0.304	-0.471	-0.807
-0.1195	-0.0435	-0.0165	0.1685	0.1615	-0.4345	0.4685	-0.0815	-0.1435	-0.1035	-0.0145	0.1285	-0.3685	0.0285	0.0475	-0.1375	-0.1225	0.0465	-0.1925	-0.0575	0.2105	0.0365	0.1555	0.5555	0.3905	-0.0435	0.3695	0.1115	0.1645	0.0665
-0.251	-0.129	-0.17	-0.081	-0.159	-0.636	-0.229	-0.41	-0.373	-0.389	-0.721	-0.407	-0.437	-0.248	-0.406	-0.026	0.419	0.126	-0.421	-0.464	0.051	-0.452	0.012	-0.218	-0.163	-0.382	-0.093	-0.496	0.101	0.008
0.043	0.11	-0.429	-0.436	-0.852	-0.34	-0.66	-0.49	0.969	-0.044	0.678	0.009	-0.244	0.013	-0.125	-0.152	-0.459	0.371	-0.099	-0.377	-0.451	0.198	-0.009	-0.371	0.871	-0.285	-0.264	-1.278	0.83	-0.179
0.038	-0.397	1.219	1.887	-0.158	0.568	1.477	0.782	0.544	-0.265	0.274	-0.084	0.675	0.183	-0.109	-0.289	-0.38	0.296	0.978	1.175	0.063	0.647	0.673	0.987	-1.084	0.738	1.104	1.515	-0.465	-0.161
-0.061	-0.254	0.201	0.264	-0.9	0.114	-0.14	0.051	0.228	0.188	-0.156	-0.029	0.703	-0.397	-0.301	-0.597	-0.712	-0.005	-0.803	-0.348	-0.11	0.175	0.123	-0.433	-0.588	-0.121	-0.209	-0.117	0.129	0.141
0.173	-0.458	1.818	1.698	-0.757	1.015	0.999	0.834	-0.052	1.086	0.303	-0.833	0.267	-0.529	0.003	-0.373	0.819	-0.432	-0.715	-1.754	-0.812	0.077	-0.668	-0.192	-0.511	-0.143	0.616	0.806	-1.507	-1.482
0.161	-0.614	1.976	1.346	-0.736	0.927	1.458	0.331	0.389	0.647	0.274	-0.991	0.553	-0.466	-0.578	-0.868	-0.366	0.464	-0.622	-0.927	-0.619	0.416	-0.768	-0.128	-1.177	-0.681	-0.497	1.089	-0.816	-0.814
0.3235	-0.5215	1.7765	0.9575	-0.6885	1.1055	1.1745	0.4465	0.3755	0.8885	0.5255	-0.9925	0.6825	-0.3755	-0.3845	-0.9245	-0.4175	0.0355	-0.8445	-1.2375	-1.0005	0.1655	-0.8815	-0.0505	-0.9945	-0.7725	-0.4325	0.7655	-0.7075	-1.0055
0.1985	-0.7915	2.4685	1.4705	-0.5715	0.4755	0.4885	0.0735	0.3315	0.7765	0.2715	-1.2625	-0.1865	-0.3675	-0.2765	-1.1645	-0.2835	-0.6235	-0.9955	-1.3155	-1.6505	0.1015	-1.0775	0.2935	-1.3715	-0.8685	-0.2315	0.9275	-1.0075	-1.4285
0.179	0.083	1.921	0.769	-1.326	1.57	0.638	-0.171	0.28	1.556	0.331	-1.238	1.212	-0.491	-0.677	-1.222	-0.401	-0.035	-1.382	-1.035	-0.936	-0.568	-0.971	-0.571	-1.044	-1.118	-0.716	0.683	-0.882	-0.987
-0.0725	-0.4055	-0.0675	0.0565	-0.1315	-0.1155	-0.2415	-0.6005	0.1695	-0.3995	-0.1795	-0.4875	-0.5795	-0.5235	-0.4665	-0.4415	-0.2115	-0.9485	0.6895	0.2695	0.1715	0.2545	0.6795	-0.5735	-0.8345	-0.9995	-0.3295	0.0885	-0.4205	-0.8695
0.003	0.262	0.985	-0.171	0.735	0.772	0.799	1.25	0.946	-0.178	0.068	1.393	0.063	0.274	0.142	0.624	0.726	1.06	0.914	1.018	1.625	-0.416	0.973	-0.333	-0.059	1.337	1.219	1.459	0.819	1.187
-0.412	-0.384	-0.304	-0.493	-0.047	0.083	-0.175	0.239	-0.305	-0.399	-0.095	-0.258	0.498	-0.369	-0.498	0.712	-0.04	1.196	-0.464	0.367	0.357	-0.521	0.469	0.626	0.37	-0.255	0.616	-0.368	-0.132	-0.072
-0.539	0.948	1.4	1.278	0.252	0.521	0.461	0.644	0.374	0.035	-0.055	0.943	0.483	0.57	0.929	0.776	0.827	-1.23	-0.349	-1.027	-1.239	-0.412	-0.713	-0.45	-0.127	-0.315	0.777	-0.03	-1.145	0.123
0.7515	1.3985	-0.6525	-1.4755	-0.6915	0.7305	-1.1115	-1.3355	0.1695	-0.3925	-0.3225	-0.3235	0.0475	-0.8045	-0.5405	-0.2675	0.2895	-0.4115	-1.1645	-0.8295	-0.3445	-0.7305	-1.0695	0.1915	0.5895	-0.2775	-0.8255	-1.1505	-0.9115	0.6765
0.5225	0.0135	-0.2205	0.3435	-0.3155	0.4645	-0.0635	-0.1195	-0.3185	-0.5635	1.2895	-0.2785	-0.0955	0.4295	0.7165	0.4735	0.7855	0.2985	-0.2325	-0.0995	-0.1405	0.0815	-0.2575	-0.0215	0.4195	-0.2445	-0.1515	-0.2035	1.3585	0.8725
0.282	0.292	0.818	-0.247	0.176	-0.001	0.297	0.277	0.373	-0.215	1.478	0.502	-0.373	0.302	0.278	2.255	2.216	2.306	1.072	1.568	0.271	0.307	1.358	0.253	-0.118	1.28	2.516	1.979	1.246	0.489
0.075	-0.154	0.337	-0.629	0.054	0.052	-0.331	-0.171	0.541	-0.304	-0.272	-0.569	0.629	-0.749	-0.373	-0.32	-0.355	-0.186	-0.035	-0.789	-0.306	-0.259	-0.001	-0.388	-0.852	-0.685	-0.115	-0.062	-0.521	-0.591
-0.4925	-0.4525	0.2145	-0.2345	-0.0025	-0.1785	-0.3995	-0.7955	-0.0855	-0.1785	0.0495	-0.1475	-0.0175	-0.6085	-0.6165	0.1415	0.7435	-0.0085	-0.0995	1.1355	0.7245	0.1115	0.5215	-0.3875	0.4705	0.5515	0.2795	0.6045	1.4355	0.5595
-0.183	-0.466	0.723	-0.262	-0.011	-0.007	0.383	-0.082	0.538	0.116	1.247	0.639	0.072	-0.093	-0.231	0.895	0.796	1.496	0.81	1.193	0.58	1.254	1.096	-0.289	1.182	0.881	1.052	0.736	0.838	0.737
2.4845	2.3745	1.2845	1.2145	-1.5345	0.2905	0.3315	3.2215	1.5345	1.9975	1.3445	0.0345	0.5585	3.2245	2.8885	1.7695	1.3445	-1.2955	-0.6605	-1.3155	-1.0255	3.3855	-0.6905	-1.0695	-1.8135	-1.1355	0.2835	-2.0395	-0.1815	-1.5145
0.709	1.053	0.466	1.15	-0.137	0.462	0.061	0.208	0.15	0.316	0.332	-0.116	-0.235	0.629	0.779	0.508	-0.003	-0.886	-1.105	-0.772	-0.18	-1.184	-0.922	-1.099	-1.013	-1.035	-0.078	-1.317	-1.157	0.224
1.0805	1.1635	0.6195	0.8825	-0.0095	0.6635	0.1925	0.2895	0.2365	0.2965	0.0365	-0.0165	-0.3285	0.7105	0.7805	0.5425	0.0225	-0.3855	-1.0255	-0.3525	-0.0355	-1.0835	-0.7365	-1.0345	-0.8805	-1.5855	-0.2345	-1.6115	-1.4515	0.5375
1.2045	1.3905	0.7875	0.8245	-0.8065	0.9175	-0.0035	0.7625	0.1415	0.4515	0.2675	-0.1615	0.0165	0.7095	0.6125	0.3955	-0.1855	-1.0375	-1.9685	-1.0495	0.0385	-1.7125	-1.4285	-2.2655	-1.9185	-1.8395	-0.7105	-1.9445	-2.3725	-0.4715
-1.654	-1.463	-0.991	-1.291	-1.295	-1.6	-1.075	-0.496	-0.855	-1.449	-1.143	-1.188	-0.562	-1.628	-1.098	-0.978	0.246	-0.58	0.194	0.243	-0.991	0.126	-0.66	-1.218	-0.988	-1.187	-0.623	-0.129	-0.164	-1.504
-0.4105	0.9045	0.6915	-0.7575	-0.5725	1.1005	-0.8625	-0.8335	-0.2915	-0.4445	0.0665	-0.2585	0.2575	-0.1915	-0.6025	0.1105	0.0205	0.0515	-0.2615	0.8955	0.9515	0.6215	0.0195	-0.9895	-0.7445	-0.9035	-0.7055	-0.3055	-0.4445	0.7265
-0.9945	0.3425	-0.6285	-1.8625	-1.2125	1.7715	-1.8495	-1.9785	-0.3125	-1.1905	-0.5325	-0.3505	-1.2795	-0.9665	-1.1135	-0.3525	0.0065	0.1925	-0.5425	-0.8605	-0.9705	2.0925	-0.0885	-1.0215	-0.1015	-1.1945	-1.6495	-2.1745	2.5175	-0.2945
0.451	0.557	0.458	0.61	-2.093	0.026	0.257	0.914	0.431	-0.253	0.132	-0.028	-2.273	-0.557	0.581	1.021	0.919	-0.426	0.754	-1.731	-3.825	1.049	-1.481	1.728	-0.912	-1.85	-0.449	-4.016	0.161	-2.941
-0.169	-0.057	0.74	0.188	-0.336	0.341	0.205	0.298	0.13	-0.106	-0.072	-0.195	-0.524	-0.202	-0.257	-0.231	-0.458	0.388	-0.378	0.308	-0.005	0.233	-0.146	0.433	-0.448	-0.242	-0.188	0.147	-0.231	-0.423
-0.4845	-0.2755	-0.3485	0.0005	-0.3745	-0.6415	-0.1495	-0.3855	-0.1585	-0.6245	-0.3365	-0.2735	-0.1525	-0.7705	-0.5125	-0.1205	-0.0425	0.1465	0.5965	0.0785	0.0735	-0.5435	-0.0555	0.2935	-0.3225	0.0415	0.0505	0.3865	0.1065	-0.2105
-0.2545	-0.4275	0.1515	-0.4035	-0.7285	0.1785	-0.6705	-0.6355	-0.4205	-0.4415	0.1995	-0.5025	-0.3005	-0.4935	-0.4705	-1.1915	-0.8315	-0.1565	-0.9815	-0.3835	-0.7175	-0.3195	-0.4135	-0.4855	-1.5375	-0.6775	-0.4235	-0.3895	1.0075	-0.3145
-0.188	-0.008	-0.028	-1.122	-0.661	-0.06	-0.493	-0.339	0.069	0.118	0.167	-0.107	0.235	-0.311	1.802	-0.065	0.93	0.092	-0.028	0.461	-0.361	-0.175	0.052	-0.523	0.178	0.07	0.428	0.054	0.288	0.424
-0.2045	0.0225	0.0755	-0.0595	0.0995	-0.1625	0.1555	-0.4515	0.1735	-0.3315	0.2305	-0.3825	-0.4155	0.0235	-0.1165	0.3955	-0.2955	-0.1505	0.0015	0.3355	0.3265	0.0195	0.0005	0.3385	-0.1895	0.0995	-0.3035	0.2615	0.1845	-0.1465
-0.4985	-0.1175	0.2515	-0.3825	-0.1155	0.2385	-0.3385	0.1065	0.1605	-0.0125	0.0705	0.3375	-0.0465	-0.1475	0.2195	-0.0695	0.0095	-0.0605	0.5105	0.5165	0.1445	0.0555	0.0495	0.6385	0.1845	0.3385	0.5135	0.4555	0.4665	-0.2135
0.037	0.106	0.165	-0.169	0.332	0.027	0.48	0.168	-0.006	-0.235	0.033	0.028	-0.502	0.042	-0.155	-0.063	-0.001	-0.28	0.748	0.271	-0.232	0.033	0.266	-0.133	-0.91	-0.344	0.321	0.168	-0.092	-0.944
-0.0425	-0.3015	-0.1235	-0.1175	-0.1625	-0.4645	0.0895	-0.1305	0.1235	-0.2395	-0.3785	-0.1405	-0.1505	-0.1105	-0.1855	-0.0715	-0.4745	-0.6205	-0.2685	-0.1835	0.1585	-0.3085	-0.0435	0.0345	-0.1905	-0.2875	0.1315	-0.0615	0.0115	-0.2095
-0.057	-0.162	-0.635	-0.05	0.175	-0.257	-0.024	-0.427	0.23	-0.219	-0.286	-0.476	-0.339	-0.421	-0.279	-0.478	0.25	-0.38	0.596	0.085	0.002	0.148	0.359	-0.397	-0.177	-0.694	0.133	0.054	-0.627	-0.829
-0.8485	-1.0575	0.0025	0.1915	0.4355	-0.1215	0.0805	-0.2375	0.1475	-0.1475	-0.0025	-0.3675	-0.4405	-0.4175	-0.8225	-0.5125	-0.0485	-0.4055	0.8105	0.1885	0.8535	0.5275	0.6515	0.5565	-0.8635	-0.4565	0.4845	0.6905	-0.3405	-0.1955
-0.4905	-0.3185	-0.2805	-0.0785	0.0905	-0.0055	-0.5305	-0.3455	-0.3065	-0.2445	-0.2275	-0.1115	-0.0325	-0.2365	0.0815	-0.0955	0.2645	0.1695	-0.2175	-0.2075	0.0695	0.0305	-0.0325	0.3385	0.0595	0.1815	-0.1765	-0.5195	-0.0805	0.0155
-1.245	0.222	0.156	-0.031	-0.012	-0.545	-0.581	-0.539	-0.476	-0.894	-0.848	-0.66	-0.079	-0.635	-0.364	-0.476	-0.629	-0.364	-0.148	-0.925	-0.197	-0.437	0.076	0.184	-0.52	-0.866	0.554	1.115	-0.554	-0.976
-0.245	0.155	-0.019	-0.168	-0.191	-0.195	-0.533	-0.392	-0.303	-0.286	-0.324	-0.143	-0.305	-0.18	-0.216	-0.286	-0.345	-0.112	-0.054	-0.56	-0.044	-0.439	-0.312	-0.234	-0.64	-0.319	0.175	0.585	-0.352	-0.333
-0.145	-0.304	0.245	-0.35	-0.122	-0.293	-0.733	-0.555	-0.033	-0.472	-0.62	-0.291	-0.149	-0.183	0.633	0.271	-0.358	-0.132	-0.502	-0.387	-0.109	-0.293	0.008	0.039	-0.515	-0.684	0.473	0.028	-0.173	-0.775
0.0285	0.0495	0.0985	0.5285	0.1285	-0.0395	0.2755	0.2505	0.3475	-0.1065	0.0015	0.0595	0.2335	0.1495	0.1175	0.1985	0.1005	0.1585	-0.0855	-0.7445	0.0475	0.4625	0.1775	-0.4405	-0.0015	-0.0055	0.0985	0.2245	0.5965	-0.4065
-0.514	-0.681	0.248	0.124	0.296	-0.382	-0.028	-0.137	0.326	0.028	0.006	-0.217	0.296	0.219	0.016	-0.589	-0.057	-0.162	-0.576	-1.215	-0.707	0.003	-0.357	-0.26	-0.684	-1.676	-0.29	-0.801	0.595	0.172
-0.184	-0.345	0.375	1.433	-0.329	0.257	2.236	-0.268	-0.088	-0.099	-0.426	-0.448	-0.002	0.146	0.103	-0.192	-0.661	-0.117	-0.048	-0.384	-0.407	-0.228	0.168	0.615	-0.398	-0.51	-0.668	1.651	-0.374	-0.05
-0.2175	-0.5735	0.0585	-0.6215	-0.5405	-0.3225	-0.1295	-0.0515	0.1235	-0.5895	-0.4375	-0.2155	0.1875	-0.3575	-0.4145	-0.8095	-0.1205	-0.3755	-0.0035	-0.0165	-0.2635	0.0425	-0.0225	-0.7605	-0.7755	-0.0995	-0.3655	0.0545	0.1235	-0.5685
0.0705	0.6985	0.7635	0.3765	0.6545	0.5205	0.4865	0.2755	-0.2175	-0.3835	0.0005	-0.0015	-0.0085	-0.1025	-0.0935	0.5785	0.1505	0.2795	0.2455	0.2965	0.1435	0.2385	0.4405	0.7765	0.4795	-0.1895	0.4485	0.5945	-0.4705	0.9495
0.607	-0.199	1.381	-1.132	-0.695	-0.64	1.47	-0.68	-0.743	0.081	-0.412	-0.177	0.881	0.565	1.137	0.485	0.906	0.388	-0.356	-0.096	-0.209	-0.189	1.714	-0.709	0.309	0.013	1.741	1.045	0.502	-0.339

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-7247 LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0504 LUMINAL	9830-0200 LUMINAL	BR95-0038 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
-0.504	-0.174	-0.743	0.52	0.2	0.065	0.47	0.009	0.063	0.051	0.159	0.23	0.316	-0.113	0.281	0.438	1.054	-0.34	0.743	-0.405	0.292	1.021	1.059	0.439	1.586	0.815	0.477	0.008	0.189	0.155
-0.433	0.344	-0.017	0.002	-0.531	-0.068	0.32	-0.002	0.226	-0.368	-0.15	0.233	0.239	-0.136	-0.122	0.348	-0.084	0.301	0.109	0.649	0.015	0.519	0.426	0.814	0.156	0.539	0.328	0.559	-0.013	-0.213
-0.2445	-0.7195	0.4375	1.5075	-0.2735	0.0025	0.9415	0.8475	0.5655	0.2405	-0.3805	0.1585	0.5615	0.3505	-0.1005	-0.5765	-0.6315	1.1355	1.6265	0.9555	-0.3065	2.2975	0.6545	1.9495	1.0085	1.5955	0.3025	0.7445	0.3765	-0.1045
0.315	0.213	0.034	-0.412	-0.168	-0.355	-0.496	-0.317	-0.285	-0.137	0.129	-0.065	-0.138	0.006	-0.006	0.135	-0.024	-0.244	-0.644	-0.143	-0.322	-0.799	-0.712	-0.332	-0.16	-0.254	-0.006	-0.153	-0.038	0.182
0.042	-0.012	0.359	-0.264	0.884	0.196	0.067	0.001	0.113	-0.569	-0.303	-0.349	-0.413	-0.139	-0.166	-0.217	-0.262	0.469	0.308	-0.314	0.005	0.289	0.035	-0.595	-0.524	-0.328	0.165	0.371	-0.03	-1.04
-0.2465	-0.5425	0.1325	0.3495	0.3865	-0.4705	0.0785	0.2475	0.3345	0.2975	0.4415	0.3295	-0.1775	0.0745	-0.4115	-0.2405	-0.6415	-0.5445	-1.1305	-0.1805	-0.8305	-0.1485	-0.0295	-0.5485	-0.7785	-0.6855	-0.4455	-1.0835	-0.4015	0.1185
-1.5025	-1.1475	0.1995	1.3535	1.2715	1.0445	0.6125	0.4965	1.2395	1.1615	1.1835	-0.1025	-0.2275	-0.0475	-0.2235	0.0565	1.1465	0.5805	1.7515	0.8165	1.1955	1.6205	1.2515	1.5265	1.6015	1.3505	1.2235	1.3295	0.2005	0.8295
-0.3985	-0.0215	1.9965	0.3375	0.0465	-0.0395	-0.3345	-0.5075	-0.3235	0.2675	0.1825	-0.5795	0.3715	0.5885	-0.1255	1.9705	0.8165	0.2795	1.9185	1.4315	0.9795	-0.8055	-0.9685	1.0125	2.9815	1.2885	0.3965	0.2485	0.1985	0.6235
0.182	0.48	0.449	0.619	0.969	-0.049	0.028	-0.069	-0.028	0.109	-0.358	0.404	-0.211	0.015	0.285	0.385	1.176	-0.462	-0.405	-0.308	0.43	0.398	-0.19	0.418	1.147	0.15	0.21	-0.005	0.781	0.487
0.647	0.33	0.289	0.315	0.203	0.043	0.656	0.473	0.438	0.044	0.158	0.24	-0.11	0.95	0.255	0.376	0.091	-0.21	-0.245	-0.08	-0.031	0.78	0.594	1.199	-0.341	-0.684	0.882	0.684	0.329	0.398
-0.773	-1.006	1.108	0.39	-0.105	-1.175	1.326	1.448	0.978	-0.001	0.306	1.417	1.535	0.776	0.071	-0.159	0.947	1.288	-0.063	-0.7	0.213	0.85	1.535	1.471	1.339	1.332	1.972	2.083	2.319	0.807
0.808	-0.742	-0.172	-1.317	-1.145	-0.008	-0.772	-0.469	-0.362	-1.001	-0.022	-1.276	-1.282	-0.162	-0.149	-0.107	0.012	0.828	-0.776	-0.332	-0.382	-1.253	0.317	-0.543	-2.246	-1.225	-0.897	-0.534	2.156	-0.433
-0.632	-0.804	-1.353	-1.524	-1.576	-1.029	-0.85	-1.519	-0.897	-1.223	-1.527	-1.097	-1.018	-0.677	-0.989	-0.392	0.028	-0.63	-1.139	-1.218	-1.061	-1.729	-0.27	-1.503	-1.128	-1.61	-0.939	-1.058	-0.815	-1.381
-0.745	-0.268	-0.552	0.344	-0.389	-0.839	-0.115	-0.8	-0.557	-0.831	-1.023	-0.683	0.081	-0.188	1.039	-0.634	-0.011	-0.971	-0.051	-0.422	-0.265	0.402	-1.63	-0.1	0.245	-0.059	0.235	-0.057	-0.154	0
-1.142	-1.994	-0.088	0.855	0.435	-0.403	0.688	0.433	1.056	-0.051	0.693	1.218	0.395	0.435	-0.4	0.696	0.166	0.248	1.842	0.913	0.58	1.582	1.295	0.299	0.747	0.925	0.481	1.064	1.273	0.715
-0.0385	0.3835	0.4045	0.3075	-0.0555	0.0015	0.2315	-0.1675	-0.1625	-0.2185	-0.2845	0.0855	0.0305	0.2235	0.2765	0.3215	0.3645	0.6625	0.1685	-0.2675	0.0695	-0.0385	-0.2235	0.0975	-0.3605	0.1276	0.4185	0.1295	1.7185	0.5285
-0.1795	-0.8655	0.9945	-1.8625	-0.5325	-1.4715	-0.5465	-2.0265	-1.1665	-1.0635	1.1855	0.1615	-1.1175	-0.7965	1.2635	-0.7275	0.6305	0.4235	-2.1265	-1.5835	0.3025	1.2375	1.0375	0.6765	-2.0505	0.4905	-0.9045	-2.1095	1.8465	0.4155
-0.0655	-0.4495	-0.1255	-0.2525	-0.4105	0.9725	0.0235	-0.0995	0.1035	0.1115	-0.0245	0.1965	0.2065	0.2445	0.0135	0.2355	0.0025	0.3445	-0.1725	0.7825	-0.2955	0.1285	0.2765	0.0225	0.2075	-0.0485	0.1955	0.0765	0.7905	-0.1175
-0.8495	-0.6855	1.1255	0.0315	-0.2595	0.7275	-0.2305	-0.1135	-0.3195	-0.0215	-0.9925	-0.2935	0.4015	-0.5725	0.0555	1.0055	-0.4755	-0.1995	0.1385	-0.7665	-0.4035	0.0505	0.1465	-0.0515	0.5465	0.9175	0.9555	1.2165	0.5315	-0.1945
-0.2225	-0.1885	-0.1355	-0.8735	-0.4125	-0.1845	-0.4755	-0.5375	-0.1615	-0.2315	0.1115	0.0865	-0.6295	-0.1505	0.3735	-0.2765	0.3375	0.1175	-0.2295	0.1025	-0.7415	-0.3385	-0.1985	-0.8855	0.6105	-0.1625	-0.0005	-0.4685	-0.0475	0.9765
-0.398	-1.33	-0.075	1.064	2.267	0.01	3.5	2.796	2.276	0.608	0.598	1.588	1.759	0.06	0.736	-0.384	0.913	1.179	3.971	2.651	2.708	2.296	3.179	5.153	3.809	3.732	2.679	4.835	2.133	0.552
1.406	1.516	-0.04	0.112	-0.837	-0.085	0.285	0.473	0.808	0.101	0.231	0.743	0.024	-0.055	0.092	1.088	0.056	-0.076	-0.193	0.518	0.063	-0.176	0.983	-1.275	0.002	0.015	0.022	0.316	-1.181	-0.888
-0.7515	-0.5185	-0.7845	-0.9855	-0.4185	0.0605	-0.4535	-1.0705	0.1295	-0.4195	-0.2365	0.0735	-0.1835	-0.4915	-0.0235	0.1055	0.5895	0.5605	-0.5965	0.0955	0.0005	0.2475	1.1705	0.5495	1.1945	0.7155	0.5095	0.4575	1.5845	0.4215
-0.291	-0.408	0.142	-0.626	0.017	0.112	-0.047	0.178	-0.039	0.222	0.418	-0.234	0.162	0.162	0.408	-0.401	0.414	-0.258	0.621	0.71	0.833	-0.063	-0.142	-0.312	-0.518	0.251	0.003	0.164	0.116	-0.102
1.9835	2.7315	1.1875	0.4995	0.7645	0.9065	0.5065	0.5705	0.2305	0.4475	-0.1605	0.3915	0.1325	1.2825	1.4475	1.0625	1.2295	-0.4995	-0.5145	0.0065	0.4585	-0.0855	-1.0705	-0.3425	0.1455	0.6035	1.2885	0.9605	-0.3635	-0.2995
-0.824	-0.459	0.064	0.386	0.109	-0.053	-0.184	-0.045	-0.332	-0.421	-0.25	-0.386	-0.116	-0.367	-0.386	-0.057	-0.115	0.115	0.879	0.155	0.356	-0.331	0.275	0.817	-0.023	0.201	-0.05	0.364	0.435	0.041
-0.687	-0.52	-0.24	0.373	0.406	0.086	0.259	0.229	-0.403	-0.308	-0.401	-0.272	0.002	-0.327	0.071	0.189	-0.265	0.58	1.193	0.152	0.67	0.608	0.169	0.938	0.373	0.323	0.42	1.137	-0.23	-0.492
-0.3385	-0.0765	0.3945	0.1795	0.3735	-0.1075	-0.2485	-0.3305	0.0855	-0.3365	-0.1055	-0.1885	-0.6145	-0.3905	-0.0105	0.1945	0.2185	0.2995	0.1365	0.3405	0.6765	0.7515	0.2925	0.3515	0.3775	0.5055	0.7205	0.9515	0.8895	0.1225
-0.734	-0.68	-0.044	0.174	0.258	-0.119	-0.364	-0.048	-0.412	-0.376	-0.248	-0.126	-0.011	-0.475	-0.142	-0.341	-0.021	-0.261	0.307	0.098	0.133	-0.07	-0.37	-0.112	-0.382	0.083	0.383	-0.302	-0.414	-0.191
-0.157	-0.932	0.293	0.212	0.231	0.385	0	0.263	0.079	-0.382	-0.006	-0.055	0.068	-0.013	-0.17	-0.65	-0.444	-0.414	0.547	0.078	-0.027	0.644	-0.287	0.306	-1.321	-0.386	-0.352	-0.121	-0.599	-0.376
-0.3325	-0.4155	0.1145	0.2445	-0.0555	0.3695	-0.1585	0.2385	-0.3225	-0.6055	-0.1785	0.0495	0.0375	-0.1665	-0.0175	-0.7245	-0.4285	-0.0345	0.4085	-0.0465	0.0955	0.0095	-0.2025	-0.1755	-0.9115	-0.1395	0.4715	1.0445	-0.0105	-0.3905
-0.4905	-0.5505	-0.1935	-0.0525	-0.4215	-0.2965	0.0305	-0.1775	-0.0155	-0.3475	0.2285	-0.4505	0.5875	-0.2975	-0.1375	-0.7555	-0.8825	-0.1785	-0.7085	-0.0645	-0.2155	0.1715	0.5595	-0.0755	-0.5395	-0.0185	0.4085	0.8115	0.4905	-0.6305
-0.6735	-1.1275	-0.0175	-0.2355	-0.4295	-0.6375	-0.4455	-0.2705	-0.7895	-0.7475	-0.1685	-0.2035	-0.3025	-0.4615	-0.5985	0.6495	-0.3335	0.4765	0.3365	0.0575	-0.1925	0.8215	0.2705	0.5635	-0.2345	0.1425	-0.1235	0.8215	0.8925	-0.3595
-1.3665	1.0045	-1.3025	-1.5435	-0.8725	-0.9935	-0.3235	-1.4725	-1.1175	-1.5045	-1.3415	-2.5985	-0.9465	-2.1665	-2.1065	-1.5335	0.0815	-1.0615	1.1625	-0.1125	-0.3005	-0.1015	0.4435	-1.1975	-1.8495	-1.8155	-0.9345	-0.2055	-0.3035	-1.2225
-0.265	-0.248	0.369	-0.45	-0.5	0.118	-0.124	0.092	-0.09	0.032	0.157	0.139	0.482	0.037	0.074	0.064	0.073	0.036	0.233	-0.106	-0.205	0.343	0.113	-0.524	0.191	-0.03	0.057	-0.179	-0.32	-0.299
-0.2	-0.201	0.259	-1.12	2.355	-0.391	0.429	-0.165	-0.361	-0.517	1.246	3.303	2.549	-0.711	-0.422	-1.332	1.89	2.518	1.871	1.832	2.972	-1.133	2.188	2.25	0.531	1.732	1.802	3.715	0.848	0.951
-0.2515	1.3005	0.4145	-0.0015	0.0885	0.3625	-0.6315	0.3915	1.1695	0.1425	-0.3845	0.6545	-0.1545	0.5805	0.5515	2.0115	0.3955	-0.4345	-0.4325	0.3785	0.4535	-0.1065	1.1715	-0.1665	0.7925	0.4995	0.2565	0.4655	-0.0885	1.0135
-0.5055	0.3745	0.1145	-0.6785	-0.3515	-0.1735	-0.4585	-0.9595	0.8045	-0.4075	0.2645	-1.0855	0.3645	-0.5555	-1.1255	-0.3035	-0.5155	-0.0055	-0.8885	-0.1955	-0.1055	1.6535	0.9995	-1.2995	-0.4785	-0.4885	-0.0735	-0.1145	1.4425	-0.0015
-0.012	0.266	0.197	1.976	1.287	0.888	1.053	0.819	0.543	0.269	-0.333	-0.629	0.511	0.725	0.592	-0.476	0.693	-0.633	-0.166	-1.064	0.801	1.449	0.869	-0.395	0.382	1.438	1.462	0.896	1.048	0.185
0.6705	1.6425	0.5885	1.7855	0.9495	0.0125	0.5575	0.9955	0.5335	0.1605	-0.4305	-0.2685	-0.4255	1.6065	1.2175	0.5285	0.1335	-2.7935	-1.9155	-1.8085	-0.8675	0.1825	0.4615	-0.5115	-1.8285	-1.4075	-0.4255	-1.6935	-1.4895	-0.0685
-0.552	-0.01	-0.004	1.149	0.808	-0.095	-0.177	0.486	0.195	-0.901	0.226	-0.083	0.305	-0.048	0.358	0.907	0.666	0.564	0.851	0.125	1.261	-0.022	-0.248	1.092	0.964	1.149	1.038	1.327	0.69	-0.497
-0.2825	-1.0755	0.3275	0.3755	0.2345	0.4825	0.1575	0.9145	0.2905	-0.0885	-0.1495	0.5855	0.4645	0.2365	-0.1445	-0.2435	-0.1425	-0.2365	-0.2975	-0.0525	-0.5695	-0.0485	0.5435	0.1225	-1.1695	-0.0345	0.4115	0.5975	0.6585	-0.0275
0.0335	0.8765	-0.3005	0.2725	-0.2595	0.1385	-0.0875	-0.0165	-0.1635	-0.0205	-0.1825	-0.3905	-0.1055	0.3505	0.1955	-0.1205	-0.0665	-0.5445	0.0765	-0.0845	0.7045	0.0215	-0.3685	0.5615	-0.0295	-0.2115	-0.2045	0.0855	-0.1175	0.1585
0.2225	0.3115	-0.2195	-0.9005	-0.5155	-0.0045	-0.3775	-0.3245	0.1925	-0.1645	-0.0225	-0.1095	0.2545	-0.6855	1.1305	0.1595	0.1895	-0.2775	0.2735	0.0745	-0.3515	-0.0515	0.3625	-1.1945	0.1355	-0.2555	0.4745	0.0905	-0.2425	-0.2165
0.1995	0.2565	0.0905	-1.0195	-0.3965	-0.2625	-0.7155	-0.1035	0.3455	0.0265	0.1595	-0.0275	0.0625	-0.6415	1.1955	-0.0485	0.1485	-0.4265	0.4505	0.0485	-0.3785	-0.2335	0.4685	-1.5985	-0.2415	-0.3675	0.5495	0.0105	-0.2345	-0.1825
-0.534	-0.248	-0.14	0.199	0.679	0.275	-0.167	-0.153	0.32	-0.025	0.192	-0.134	0.314	-0.28	-0.022	0.703	1.172	0.214	0.427	0.755	0.89	0.615	0.87	1.499	1.605	0.925	0.866	0.712	0.96	0.261
-1.7565	-1.9125	1.1495	-0.1605	0.7175	1.1775	1.3335	2.7185	0.1345	-0.6075	-1.2395	1.9905	0.4725	-1.5645	-1.5625	-0.7645	1.3845	0.4975	-3.4895	-1.5825	-1.7395	-1.9955	0.7395	4.6925	0.4845	1.5325	2.0315	2.3665	0.0095	-0.6075
-0.3895	-1.0395	0.0605	-0.2825	0.0025	-0.1095	-0.2835	-0.0315	-0.0995	-0.0485	-0.2095	-0.6595	0.2135	-0.1365	-0.6225	-1.0115	-0.7265	-0.5695	-1.5955	-1.3695	-0.6095	-0.1235	0.1665	-0.1095	-1.1095	-1.0275	-0.3665	-0.1345	-0.6035	-0.9925
-0.361	-0.382	-0.125	-0.405	-0.503	-0.594	-0.608	-0.024	-0.448	-0.097	-0.479	-0.044	-0.481	-0.242	-0.096	-0.389	-0.444	0.921	-0.022	-0.644	0.26	0.044	-0.548	0.033	-0.822	-0.644	-0.68	-0.654	-0.408	0.11
0.1305	0.3705	-0.0915	-0.3625	-0.1585	-0.1835	-0.4605	-0.3945	0.1295	0.0545	0.1185	-0.0035	0.0205	-0.1855	-0.0055	-0.2585	0.1175	-0.0615	-0.1805	-0.2685	-0.2475	-0.1685	0.1735	-0.9405	-0.5875	-0.3545	-0.0285	-0.3115	0.2125	-0.7245
-0.2615	-0.3665	1.7695	1.4595	-0.4095	0.3685	0.0785	-0.0395	0.3105	1.1615	-0.0805	-0.3465	-0.0835	-0.3945	-0.2685	-0.5265	-0.3895	-0.2515	-0.5785	-0.5145	-0.5265	-0.0915	-0.5415	0.0895	-0.1885	-0.2735	-0.1115	0.2435	-0.4905	-0.9975
0.1615	-0.3405	0.5085	-0.1515	0.4055	0.7465	0.4915	0.2095	0.2755	0.2975	0.1515	0.1195	0.3595	-0.0025	-0.1615	-0.4035	-0.4245	-0.7195	-0.5555	0.0465	-0.5165	0.8885	0.4205	-2.4605	-1.1545	-0.4945	0.0165	0.0205	-0.0685	0.1225
0.3285	-0.0495	0.7115	-0.4385	-0.5015	0.2445	-0.4035	-0.0885	0.1855	-0.3245	-0.0735	-0.0505	-0.1705	-0.0025	0.2095	-0.2745	0.2455	0.2865	-0.1545	-0.0285	0.1555	-0.1425	0.1395	-0.7385	-0.3205	0.3005	-0.3075	-0.2635	0.6585	0.3535
-0.018	-0.349	0.887	0.913	-0.819	0.586	0.089	-0.274	-0.107	0.639	0.041	-0.838	-0.07	-0.121	-0.283	-0.726	-0.333	-0.195	-0.936	-0.458	-0.554	-0.671	-0.651	-0.154	-0.628	-0.661	-0.152	-0.221	-0.674	-0.791
-0.434	0.469	0.009	1.264	0.324	-0.713	0.383	1.219	0.174	-0.684	-0.757	-0.135	-0.009	0.419	0.916	0.251	-0.201	-0.375	-0.169	0.08	0.193	-0.1	0.592	2.234	0.663	0.739	0.023	0.602	-0.35	-0.512
-0.507	0.016	0.662	1.229	-0.326	0.242	1.597	0.06	-0.008	0.32	-0.255	0.003	0.217	-0.225	-0.177	-0.802	-0.387	-0.766	-0.505	-0.857	-0.144	-0.312	-0.056	1.26	-0.306	-0.172	0.238	1.984	-0.126	-0.31
-0.6775	-1.1515	-0.1065	-0.4605	-1.5895	0.4805	-0.1185	-0.1615	-0.0225	0.3365	0.0735	-0.5775	0.5915	-0.6465	-1.3075	-0.2465	-1.6595	-0.5275	-1.5625	-1.5545	-0.5165	0.2885	-0.4565	-0.3215	-0.1375	0.1265	-1.7885	0.2605	-0.5795	-0.8055
0.834	0.869	0.283	1.345	-0.371	-0.277	0.617	3.49	0.964	0.17	1.233	0.444	-0.557	1.706	1.967	1.424	1.656	-0.503	0.239	-0.766	-0.687	1.108	2.818	-0.155	-1.152	-0.632	0.167	-1.151	1.789	-0.586
-1.1875	0.5465	-1.2595	-0.2425	-1.6445	-0.7105	-1.1935	-1.2955	-1.9995	-1.5655	1.1445	-2.1065	-0.5765	0.0105	-0.2365	0.1435	-2.2245	-0.9225	1.6705	0.1725	0.1085	2.3165	-1.8825	-0.9235	-1.4085	-1.5885	-1.5005	-1.1995	-1.4495	0.1915
-0.268	-0.336	0.653	0.684	-0.053	0.734	0.089	-0.083	-0.23	0.103	-0.757	-0.529	0.015	-0.056	-0.207	0.08	-0.069	-0.029	-0.901	-1.17	-0.514	-0.982	-1.225	0.283	-0.411	-0.602	-0.808	-1.167	-0.505	0.427
0.7065	1.0925	-0.0505	-0.2045	0.9295	0.7555	-0.2605	0.0495	0.1035	-0.0105	-0.4255	0.0185	0.1405	0.2625	0.4925	0.2465	0.6985	-0.5165	-0.6435	-0.4035	-0.1655	0.0895	-0.3145	-1.5395	0.2355	-0.1585	-0.3635	-0.1935	-0.0905	0.0775
0.2815	-1.0355	1.2775	1.7515	-1.4895	-0.0165	1.0545	0.5185	0.4885	1.0765	0.5065	-2.0955	0.4435	-0.1435	-0.2405	-1.9355	-0.1115	-0.1915	-2.4935	-2.6155	-2.2745	-0.1925	-1.7735	0.9065	-1.9325	-2.1515	-0.2675	0.3805	-1.8825	-2.6605
-0.0555	-0.3025	0.2075	-0.4545	-0.1505	0.2345	-0.5225	-0.7295	-0.3845	-0.2365	-0.7325	-0.3795	-0.1205	-1.0335	-0.3295	0.8535	0.2175	0.0215	0.0095	-0.1175	0.2355	-0.5385	0.0765	0.3345	1.0245	0.1585	0.6185	0.4825	0.3065	0.3235
-0.2715	0.1235	-0.1005	0.1045	0.2685	-0.6595	-0.0675	-0.2325	-0.1275	0.0375	-0.0095	0.0015	-0.1825	0.1095	0.0405	0.0995	-0.1325	0.1365	-0.0315	0.0255	-0.4765	-0.0085	-0.3055	0.3645	0.2105	0.0245	-0.1465	-0.0795	-0.1865	0.0225
0.471	0.475	0.382	0.065	0.285	-1.095	0.532	1.168	0.07	-0.827	-1.194	-0.197	1.035	0.475	0.948	0.508	1.926	-1.882	-0.348	0.997	0.801	0.118	-0.045	0.361	0.781	0.207	0.407	-0.042	0.074	0.016
-0.108	0.125	-0.082	0.211	0.207	0.033	0.15	0.076	-0.241	-0.353	-0.064	-0.035	-0.077	-0.162	0.099	-0.149	0.403	0.152	0.115	-0.201	0.145	0.052	0.071	0.693	0.87	0.29	0.134	0.25	0.396	0.427
-0.928	-0.002	-0.128	-0.383	0.177	-0.089	-0.434	0.502	-0.152	0.09	-0.22	-0.053	-0.23	-0.49	0.45	1.484	0.408	0.776	-0.441	-0.4	0.621	0.28	0.372	0.851	0.746	1.032	1.107	1.41	2.629	1.074
0.0085	-0.0965	0.5625	0.2865	-0.2135	-0.0165	-0.0805	0.1765	-0.4155	0.2385	-0.2835	-0.0085	-0.0385	-0.0865	0.1675	0.6045	0.7925	0.1645	-0.4665	0.1965	1.0945	-0.0915	-0.2185	0.3165	1.1955	1.1025	0.5445	0.3215	1.4925	1.5435
-0.368	-0.329	0.009	0.143	-0.293	0.302	0.093	-0.002	0.317	-0.046	-0.389	0.97	-0.221	0.165	0.469	0.72	1.326	0.797	0.398	0.778	-0.544	-1.957	-0.3	1.712	0.975	-0.521	-0.31	-0.704	1.67	0.849
0.842	0.685	0.53	0.502	0.537	0.566	0.381	0.657	0.173	-0.122	-0.396	0.205	0.249	-0.091	0.427	-0.143	0.306	-0.521	0.236	-0.734	0.364	-0.152	-0.065	-0.412	-0.734	-0.503	0.105	-0.52	-1.12	-0.652
-0.4955	-0.6845	-0.4655	0.9185	-0.3915	-0.2385	-0.3735	-0.0315	-0.0545	0.0085	-0.2245	-0.3725	0.0475	-0.2975	-0.2635	-0.2935	-0.1805	0.0535	-0.5585	-0.2045	0.4215	0.1015	-0.1225	0.7085	0.3045	0.4685	-0.4585	-0.6885	0.1205	-0.2085
0.4645	0.8505	1.5885	2.0555	3.1815	2.6295	1.0125	1.4135	0.5795	-0.0125	0.6285	0.7995	0.3265	1.3845	1.4275	0.8545	-0.3365	-0.3195	1.8765	1.9495	1.3095	-2.2375	0.4345	3.0825	-1.9635	0.6455	1.0635	0.1745	-2.1895	-0.9735
0.3	0.789	0.571	0.511	0.281	0.662	0.41	0.057	0.266	0.358	-0.131	0.582	0.176	0.292	0.507	0.409	0.825	0.128	0.199	-0.205	0.657	0.078	0.066	0.98	0.465	0.387	0.511	-0.348	-0.101	0.783
0.6915	-0.5425	-0.1555	0.8105	-0.0035	1.2925	0.0725	-0.3585	-0.2505	-0.0865	-0.0005	0.0345	-0.5025	0.2965	0.5035	0.1045	-0.6105	-0.8475	-0.8885	-1.0455	-0.0775	-0.5285	-0.6935	-0.8165	-0.5175	-0.7265	-0.2165	-0.8255	-0.7195	-0.2165
-1.044	-1.188	-0.224	1.155	2.73	0.866	3.337	3.165	3.242	1.608	1.474	2.406	2.833	0.095	1.852	-0.918	2.157	2.131	3.979	3.773	3.353	2.514	3.877	4.724	3.997	4.193	3.799	4.527	2.254	0.726

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-7243 LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0504 LUMINAL	9830-0200 LUMINAL	BR95-0038 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
-0.865	-0.76	-1.087	-0.572	-0.774	-0.026	-0.285	-0.652	-0.872	-1.346	0.322	-1.155	-0.898	-0.747	-0.559	-0.221	-0.932	-0.271	1.069	0.467	0.184	1.232	-0.605	0.026	0.428	-0.296	-0.349	-0.234	-0.164	0.582
-0.5305	-0.3895	0.8925	-0.2765	0.0465	-0.7565	-0.4455	-0.4855	-0.6875	-0.4485	2.5805	-0.6785	-0.8965	-0.4745	-0.6315	-0.2865	-0.6135	0.1065	-0.0215	-0.3545	-0.8405	-1.0105	-1.2895	-1.9265	-2.7225	-2.3305	-0.3825	-0.1605	-0.6735	0.2735
-0.25	-0.459	-0.734	0.205	0.737	-0.424	0.533	-0.671	0.334	-0.318	0	-0.176	-0.231	-0.278	-0.035	0.049	0.417	-0.455	0.35	-0.14	0.256	1.071	1.08	-0.778	-0.139	-0.534	0.188	-0.157	-0.507	-1.027
-0.9485	-0.5125	-1.2135	-0.4005	-0.7915	-0.3525	-0.4275	-1.0565	-1.0415	-1.6575	-0.0145	-1.4265	-0.9905	-0.7585	-0.3225	0.1125	-0.8695	-0.4095	0.5775	0.0955	0.2685	1.3145	-0.6615	0.6425	0.1945	-0.5105	-0.5015	-0.3235	-0.5515	0.1355
0.481	1.365	-0.092	1.03	-0.615	0.833	-0.034	-0.724	-0.32	0.138	-0.737	-0.365	-0.296	0.132	0.125	-0.822	-0.622	0.665	-0.138	-0.554	0.708	-0.647	-0.936	-0.529	-0.867	-1.078	-0.578	-1.467	-0.585	0.357
0.87	0.101	0.973	0.322	0.473	0.022	0.794	0.959	0.495	-0.07	-0.124	0.648	0.499	0.531	0.163	-0.241	-0.06	0.009	0.455	0.135	0.063	0.405	0.226	0.9	-0.938	0.397	0.096	0.529	-0.045	-0.45
-0.0765	-0.4005	1.6065	0.7115	-0.6555	1.1405	0.3775	-0.6765	-0.0185	0.9665	-0.2935	-0.5065	-0.0125	-0.0385	-0.4345	-0.5405	-0.2955	-0.4955	-0.9085	-0.6565	-0.5565	-0.3725	-0.7265	-0.3375	-0.3435	-0.4585	-0.2345	0.4915	-0.0415	-0.2625
-0.5065	-0.2455	-0.2425	-0.5755	-0.7105	-0.3115	-0.6135	-0.2105	-0.6255	-1.5475	0.3116	-0.4345	-1.2635	-0.4245	-0.4585	-0.6855	0.0125	-0.5315	0.3685	1.8145	1.0205	0.6785	0.2185	0.0725	-0.7785	-0.9155	-0.8675	-0.3715	0.3585	0.9605
-1.3815	-0.1695	-0.8335	-0.1845	-0.6765	0.2885	-0.8705	-1.1575	-1.2835	-1.3245	0.5675	-1.2845	-1.0875	0.0235	-0.3225	1.6015	-0.5015	0.3515	0.9485	0.0585	0.4415	0.9405	-1.0265	-0.0715	0.2475	-0.2065	-0.3615	0.2155	-0.1905	1.4765
-0.9075	0.1825	-1.0385	-0.4755	-1.1615	0.2755	-0.4875	-1.0055	-0.9765	-1.3865	-0.1065	-1.2955	-0.6875	-0.7485	-0.6065	0.0175	-0.9425	0.0065	0.5375	-0.0125	-0.0065	1.6915	-0.8855	-0.5695	-0.5105	-0.8035	-0.9815	-0.6215	-0.6495	-0.0225
-0.3845	-0.7465	-0.8875	0.9895	-0.9955	0.6405	0.6745	0.9065	0.4195	0.2655	0.1515	0.2405	0.7655	0.0565	-0.1235	-0.4995	0.1885	-1.4685	1.0965	1.1475	0.7355	0.0855	0.8305	1.4175	0.3565	1.2185	0.8455	1.4565	0.0845	-0.6595
-0.997	0.337	-1.112	0.255	-0.625	-0.326	-0.724	-0.381	-1.032	-1.17	-0.089	-0.7	-0.626	0.323	-0.19	-0.223	-0.653	-0.494	0.352	0.263	0.509	1.069	0.667	-0.023	-0.034	-0.285	-0.289	-0.245	-0.062	0.425
-0.3145	-1.1745	-0.6095	0.5455	0.2245	-0.4365	0.4125	-0.4525	-0.3925	-1.3175	0.6245	-0.4245	-0.7065	0.1505	-0.4045	0.7975	-0.4035	-0.2395	0.7105	0.8325	0.6095	1.6015	-0.1775	-0.5965	-0.4625	-0.1935	0.2965	0.6775	0.0435	0.5725
-0.3525	-0.4045	-0.4375	-1.0935	-0.8135	-0.4625	-1.0235	-0.2685	-0.4575	-0.3715	-0.5285	-0.2875	-0.2965	-0.7215	-0.0495	-0.5215	-0.3365	0.5705	0.0505	-0.4365	-0.4725	-0.7625	-0.3825	-0.2865	-0.3775	-0.7605	-0.8375	-1.2205	0.1115	0.0325
-1.8205	-0.5695	-1.7385	-0.1045	-1.4785	0.3715	-0.5355	-1.3795	-1.7255	-0.8755	-0.1825	-2.2085	-1.4625	-0.8505	-1.0955	0.2815	-0.1645	-0.0325	1.4965	1.1905	1.5355	0.7765	-0.6285	0.1005	0.4775	-0.5935	-0.3185	-0.1925	0.5745	0.5615
-0.2305	-0.9995	0.1675	0.5365	0.5405	-1.0345	0.0275	0.3255	-0.8205	-0.4365	0.1465	0.4785	-0.7075	-0.1585	0.6555	-0.4115	-0.3275	0.3235	0.1815	1.0845	0.2215	-0.2715	-0.6425	0.2985	0.5945	0.4785	0.0115	0.1875	-1.2625	-0.0715
0.374	1.591	-0.281	-0.525	0.132	0.348	-0.003	-0.845	-0.688	-0.212	-0.315	-0.504	0.116	0.353	0.074	-0.707	1.347	-0.588	-1.432	-0.238	-0.026	-0.993	-0.559	-0.738	0.637	-1.129	-0.71	-1.067	0.281	0.326
-0.053	0.228	-0.262	0.156	-0.016	-0.008	0.179	0.27	-0.162	0.045	0.101	0.344	-0.069	-0.088	0.265	-0.031	0.092	0.009	0.275	0.073	0.344	0.256	-0.008	0.442	-0.208	0.125	-0.027	-0.236	0.139	-0.46
0.59	-0.388	0.724	1.121	-0.458	0.931	1.163	0.209	0.4	0.62	-0.271	-0.634	0.564	-0.408	0.007	-0.499	-0.27	0.012	-0.407	-0.633	-0.097	-0.172	-0.445	0.026	-0.269	-0.481	0.02	0.639	-0.638	-0.831
-0.8775	-0.0825	-0.6655	-0.1725	-0.6615	-0.0455	-0.2335	-0.7995	-1.0745	-1.3445	-0.1515	-1.4715	-0.9045	-0.7195	-0.4535	-0.0155	-0.8965	-0.2495	0.8185	-0.0305	0.4465	1.3585	-0.6505	0.4105	0.0865	-0.5495	-0.5415	-0.2625	-0.5295	-0.0145
-0.3045	-1.8625	0.5825	0.4645	-0.2085	-0.4205	0.6125	-0.7945	0.0755	-0.2135	-0.2715	0.0235	-0.4265	-0.1225	0.0485	-0.8845	-0.4965	0.4745	0.1845	0.6645	-0.5225	0.8735	0.4045	-0.0045	-0.6585	0.0775	-1.1585	-0.6035	0.5095	0.0845
0.056	0.06	-0.095	0.379	0.098	-0.368	0.021	-0.327	-0.191	0.236	-0.103	-0.166	-0.233	-0.102	-0.041	0.003	0.099	0.164	0.168	0.101	0.397	-0.349	-0.041	0.171	0.22	0.067	-0.047	-0.088	-0.192	-0.094
-0.1615	-0.0935	-0.3995	-0.0565	-0.3135	0.1385	0.0515	-0.2465	-0.0315	0.2765	-0.1405	0.0785	0.1715	-0.1455	-0.0265	0.1985	0.0815	1.0285	-0.2555	0.0045	-0.0265	-0.2755	0.1535	0.5115	0.5015	-0.0055	-0.1335	0.0565	0.5645	-0.1485
0.0395	-0.2445	0.6105	-0.7065	-0.9095	-0.4405	1.3085	-0.0065	0.9355	0.0895	-0.4315	-0.3125	-0.0565	0.3875	0.5225	0.1215	1.4065	-0.5065	0.2835	1.2425	-0.0355	-1.4905	0.8155	1.7275	1.0905	0.3365	-0.6275	-1.4945	0.6585	0.1365
0.0335	0.8305	0.0505	-0.3415	0.1145	0.1965	-0.3615	0.0055	0.1375	0.2655	0.2315	0.0085	-0.0495	0.0845	0.2055	0.5655	0.7955	0.2165	-0.1975	0.8215	0.6845	0.2565	0.3435	-0.0355	0.9555	0.2805	-0.0835	-1.6345	0.8995	1.0765
-0.5085	-0.3175	-0.2595	1.4455	-0.0315	0.4345	-0.3555	-0.1275	-0.1305	-0.0915	-0.5535	-0.4175	0.4235	-0.2875	-0.1415	-0.1725	-0.0505	-0.0635	0.1785	-0.1965	0.2815	0.6435	-0.0085	1.3685	-0.3355	-0.5955	-0.1115	-0.0915	-0.2315	0.2335
0.775	0.993	0.049	0.253	0.224	-0.617	0.703	0.57	0.357	-0.692	0.061	0.697	0.859	0.81	0.708	0.271	0.541	-0.109	0.135	0.412	0.371	0.441	0.091	-1.135	-0.541	0.366	-0.635	0.38	0.146	0.414
-0.035	0.172	-0.384	0.707	0.157	-0.18	0.636	-0.32	0.559	-0.665	-0.389	0.849	0.008	-0.132	0.227	1.406	0.443	0.264	0.012	0.703	0.547	0.773	1.135	0.971	1.639	-0.202	0.8	0.631	0.825	-0.483
-0.6375	0.0905	0.0125	1.3815	0.2445	-0.6575	0.4125	0.8605	0.1765	-0.5875	0.0015	-0.0015	-0.0065	1.0675	1.0135	0.3965	0.1255	-0.3665	-0.0135	0.3375	0.1235	-0.0845	0.5245	2.0615	0.6835	0.8285	0.3105	0.7095	-0.1385	-0.1145
-0.2255	-0.0505	0.1915	-0.3725	-0.1285	0.1105	0.1175	0.1335	0.4215	-0.1835	0.2445	-0.0335	0.0895	-0.1415	0.2755	-0.0825	-0.0235	-0.1375	0.1005	0.3865	0.9475	0.3015	0.0405	0.3835	-0.2225	0.4435	1.1205	1.3835	0.4675	0.5345
-0.3405	-0.2625	0.6675	0.3195	0.4475	-0.9725	0.9955	0.9045	-0.5905	-0.2595	-0.0105	0.6735	0.0685	0.3805	0.2995	1.1855	0.8275	1.2265	0.0105	0.4095	0.7955	-0.2855	-0.0405	2.0815	1.2185	1.6255	0.8935	1.3455	1.4135	0.4385
-0.1715	-0.1435	0.4555	0.7605	0.4745	1.1535	0.4845	0.6305	1.3255	-0.1825	0.3815	-0.3145	0.3955	0.0585	-0.1425	-0.8975	-0.4305	0.6385	-0.0095	0.0085	-0.2845	1.7595	-0.3655	0.4095	-0.8165	-0.2425	-0.6175	-0.3025	-0.5015	-0.1675
0.396	2.428	-0.863	-0.353	1.681	1.524	-1.055	0.67	1.713	1.14	-0.995	-0.671	-0.881	0.259	0.202	-0.543	-0.65	1.74	-1.818	-2.631	-1.468	-0.154	1.999	0.389	1.658	2.171	0.246	-0.203	1.002	-1.141
1.11	0.738	1.398	1.545	2.682	2.198	1.441	1.295	1.032	1.358	0.669	5.586	0.772	0.614	2.293	1.282	1.529	3.788	-0.325	3.544	3.338	1.171	1.32	-0.418	3.598	-0.064	1.012	-0.08	0.696	3.755
-0.1065	-0.6105	0.5545	-0.0125	0.0505	-0.2325	0.1455	-0.1305	-0.1065	0.0795	-0.0835	-0.3065	-0.2145	0.1015	-0.0855	-0.2785	-0.2065	-0.1345	0.0495	0.0725	-0.3315	0.0685	-0.1275	-0.2355	-0.2115	-0.0755	-0.1895	0.2475	-0.2185	-0.6055
-0.045	0.906	-0.112	2.199	0.753	1.505	-0.171	-0.567	-0.735	0.517	-0.952	-0.062	0.049	0.067	0.254	2.688	-0.112	-0.612	-2.079	-0.94	0.898	-1.027	-1.431	0.418	-1.273	-0.54	-0.051	-1.149	-0.384	0.495
-0.039	0.062	0.724	-0.816	-0.153	0.468	-0.205	0.113	-0.036	0.301	0.654	-0.137	-0.412	-0.179	0.255	-0.523	0.365	-0.488	-0.414	0.171	-0.347	-0.447	-0.445	-0.103	-0.553	0.254	-0.446	-0.888	0.059	0.355
-0.9405	-0.5205	-0.0805	0.2995	0.5685	0.1055	-0.1465	0.3715	-0.6695	0.7445	-0.3155	0.8075	0.4985	-0.0115	2.3165	0.0785	1.5695	1.2085	1.3035	0.0055	1.1025	0.2255	0.5055	-1.1445	0.7025	0.8115	0.8375	0.2935	1.1615	0.1905
0.095	1.127	-0.081	0.411	0.141	0.075	0.54	-0.271	0.162	-0.208	-0.232	-0.058	-0.087	0.077	0.063	-0.329	0.07	0.106	-0.064	-0.423	0.476	0.279	-0.179	-0.563	0.279	0.021	-0.18	0.119	-0.012	0.045
-2.052	-0.541	-1.031	-0.128	-0.839	0.211	-1.331	-1.74	-1.847	-1.435	0.69	-1.607	-1.498	-0.044	-0.503	1.964	-0.676	0.346	1.166	0.189	0.548	1.226	-1.31	-0.216	0.067	-0.307	-0.445	0.328	-0.166	1.695
-0.3695	0.5565	0.2055	-1.3825	-1.1355	-0.0615	-1.1175	-0.2805	-0.7665	-0.5695	-0.7745	3.0605	-0.0505	-0.1955	-1.0375	0.2915	-1.2055	2.7175	3.0585	2.3425	-1.0085	-1.4325	-0.7385	1.2205	-0.7435	0.0785	-1.0375	-1.3915	-0.6695	-0.0345
-0.542	-0.163	0.865	0.782	0.488	0.077	0.381	-0.113	-0.001	-0.071	0.305	0.468	0.704	-0.473	-0.041	0.395	1.335	0.858	1.072	0.701	0.863	0.292	0.605	0.801	0.531	1.634	0.269	0.175	0.106	1.376
-0.1445	-0.0175	0.0145	-0.5105	-0.5715	0.0195	-0.9765	-0.6375	-0.5025	-0.2955	-0.1795	-0.1995	0.1545	-0.3385	0.2525	-0.0865	-0.2915	0.0805	-0.5345	-0.4745	-0.8685	-0.6285	-0.0695	-1.0385	-0.0225	-0.6145	-0.3715	-0.4905	0.5295	-0.1035
0.1565	0.1515	-0.3915	-0.3225	-0.2155	-0.3885	-0.2115	-0.2525	-0.4015	-0.1035	0.0195	0.6575	-0.1195	-0.2105	-0.0095	-0.0785	0.0305	0.1235	-0.0305	-0.0055	-2.2945	-0.4565	-0.0585	-0.0805	0.0985	-0.0125	-0.0755	-0.4405	-0.5025	-0.2675
-0.876	-0.307	-1.222	-0.487	-0.803	-0.276	-0.37	-0.996	-1.188	-1.32	0.088	-1.361	-1.072	-0.683	-0.407	-0.117	-0.844	-0.012	0.627	0.221	0.438	1.305	-0.634	0.124	0.251	-0.491	-0.463	-0.342	-0.511	0.208
-0.8225	-0.5525	-0.6145	-0.5555	-0.4185	-0.1035	-0.6675	-0.8525	-0.1225	-0.3955	-0.4045	-0.7055	-0.5365	-0.7485	-0.7605	-0.7265	-0.1235	-0.6245	0.1055	0.1605	0.0295	-0.0845	-0.0085	-0.7415	-0.2795	-0.6685	-0.0025	-0.0605	-0.5885	-0.9005
-0.228	0.175	0.456	-0.154	0.422	0.604	-0.354	-0.131	-0.257	0.324	-0.869	0.622	0.332	-0.005	0.385	1.14	0.714	0.363	0.622	0.592	0.6	0.522	0.19	-0.48	1.488	0.83	1.02	0.701	0.543	0.324
0.258	-0.286	0.204	-0.229	0.122	0.109	0.544	-0.106	0.11	-0.842	1.065	0.366	0.225	0.103	-0.193	-0.021	0.522	0.193	0.515	1.417	0.578	0.383	0.931	-0.029	0.134	0.157	0.151	0.948	0.491	-0.515
0.3185	-0.1115	-0.6765	-0.2075	-0.1345	0.1695	-0.2365	-0.4745	0.1555	0.2995	-1.0085	-0.7055	0.1215	-0.2305	-1.0065	-1.1045	-0.0395	0.1995	-0.2755	0.0055	0.1765	-0.3035	-0.0125	-0.1185	-0.5285	-0.6775	-0.0665	-0.4225	-0.1435	0.3975
-0.589	-0.62	-0.294	0.662	0.423	0.38	0.72	0.199	0.38	-0.339	1.183	-0.231	0.123	-0.33	-0.104	-0.183	0.84	-0.111	1.095	1.262	0.538	0.217	0.294	0.844	-0.207	0.55	0.611	0.639	0.698	0.375
0.224	-0.066	-0.146	-0.213	-0.097	-0.138	-0.733	-0.914	-0.306	0.006	0.064	-0.41	-0.118	-0.236	-0.641	-0.462	-0.755	-0.706	-0.965	-0.216	-0.336	0.123	-0.182	0.111	-0.906	-0.696	-1.059	-0.999	0.024	-0.428
-0.922	-1.213	0.614	0.581	0.418	0.03	1.439	1.226	1.262	-0.044	0.281	0.564	0.105	0.234	0.31	0.359	0.296	-0.548	3.214	1.112	0.985	0.881	1.06	-0.09	-0.11	1.703	-0.152	-0.712	1.331	1.845
0.619	0.239	1.539	1.738	1.733	0.481	1.339	1.432	1.945	0.984	2.762	1.437	0.709	1.734	0.678	0.993	0.355	0.599	-1.898	-0.994	0.737	2.564	1.14	-0.219	1.53	2.583	2.074	2.243	-0.117	0.733
-0.2925	-0.7075	1.3465	0.6935	-0.1635	0.2265	0.3465	0.5725	-0.1165	0.3765	0.4425	0.7345	0.3775	0.0535	-0.6535	0.3245	-0.1855	0.4715	3.3275	1.5945	2.0225	1.1525	0.4635	1.0945	1.7335	1.6965	0.4655	1.2805	-0.1845	1.5425
-0.6385	-0.7675	-0.5285	-0.2765	-0.0395	-0.7205	-0.2975	-0.5275	-0.3945	-0.6575	-0.1035	-0.4575	-0.3325	-0.1775	-0.5445	-0.4875	-0.5965	-0.1845	-0.0295	0.0005	0.2055	-0.2875	-0.3035	0.3725	-0.4825	-0.1385	-0.2705	0.1745	-0.1405	-1.0205
0.0735	0.2335	0.2535	0.5895	0.5975	1.2245	0.5095	0.5945	0.9775	-0.5115	-0.0235	0.1925	-0.5475	-0.0985	-0.5745	-0.1685	0.1755	0.4015	0.2815	0.1935	0.7245	0.7305	0.4835	-0.0815	-0.0745	0.6155	0.4235	0.8765	0.5555	-0.2375
-0.784	-0.612	-0.009	-0.816	-0.921	-1.208	-0.185	-0.142	-0.145	-0.74	-0.415	-0.297	-0.497	-0.354	-0.238	-0.63	-0.622	-0.374	0.232	-0.229	0.248	-0.411	0.28	0.209	-0.901	-0.096	-0.073	0.065	0.501	-0.327
0.464	0.805	0.224	-0.355	-0.243	0.078	0.003	0.089	-0.212	-0.747	-0.145	0.174	-0.148	0.259	0.37	0.023	0.501	-0.034	-0.317	-0.153	0.19	-0.008	0.043	-0.223	0.938	0.457	0.385	0.461	-0.256	-0.222
0.4105	-0.3295	-0.2135	-0.0575	-0.1205	-0.5025	-0.4005	0.3455	0.0145	-0.2035	0.1985	0.0075	-0.0485	0.2585	0.4035	0.2355	-0.3775	-0.1555	-0.8295	-1.0995	-0.3055	0.6275	-0.0075	-0.0535	-0.1795	0.1695	0.2325	-0.0215	0.5985	-0.1495
0.0045	0.2755	0.5185	0.1685	-0.0345	0.0345	-0.4095	0.2735	-0.0305	-0.5265	0.6345	-0.3835	-0.2875	-0.2405	0.0485	0.5055	-0.1035	-0.1225	0.6145	-0.5305	0.1715	-0.0475	-0.0775	-0.9315	-0.1495	0.0925	0.6465	0.5735	1.7865	0.7275
0.049	0.004	-0.015	-0.03	0.519	-0.161	-0.029	-0.208	0.095	0.148	0.311	-0.148	-0.095	-0.099	0.115	0.444	0.177	0.348	0.325	0.205	-0.087	-0.336	-0.213	0.312	0.129	-0.061	0.443	0.173	0.537	0.816
-0.6485	-0.6575	0.0685	-0.4375	-0.8265	-0.3915	-0.3335	-0.7435	-0.7595	-0.1785	0.0845	-0.3205	0.0285	-1.0525	0.0755	1.0325	-0.2045	-0.1805	-0.8735	-0.7795	-0.3325	0.2155	-0.0285	-0.7645	1.1445	-0.0575	-0.4855	-1.0995	-0.9565	1.0335
-0.273	-0.461	0.069	0.882	2.075	0.795	0.217	0.43	-0.217	0.333	1.013	0.179	0.441	-0.007	0.332	0.065	-0.727	-0.834	-1.952	-0.842	0.593	-0.358	-1.083	-0.036	0.116	-1.682	-0.78	-2.251	-1.116	1.511
-0.533	-0.651	0.396	-0.591	-0.583	-0.14	-0.339	-0.436	-0.273	0.002	0.125	-0.205	-0.365	-0.019	-0.28	-0.677	-0.511	-0.188	-0.343	-0.448	-0.23	-0.173	-0.135	-0.695	-0.417	-0.143	-0.141	0.054	0.211	0.299
-0.1405	-0.4635	0.6365	0.5465	-0.8425	0.3055	0.0345	0.2135	-0.3085	0.2165	0.0035	-0.2365	0.1695	-0.1025	-0.2625	-0.1365	-0.3335	-0.1645	0.2395	-0.2695	0.1515	-0.2425	-0.5345	-0.0655	-0.6475	-0.7315	-0.3485	-0.1855	0.0915	0.1835
-1.113	-1.256	-0.998	0.594	0.281	-0.196	0.438	0.632	0.364	0.247	0.43	-0.352	0.224	-0.445	0.152	2.077	-0.547	-0.61	-0.798	-1.565	-0.952	0.593	0.737	0.492	1.441	0.656	1.217	1.526	1.286	0.432
0.5135	0.6285	1.0885	0.2125	-0.9335	1.0165	-0.2275	-0.0815	-0.3055	0.4885	-0.3195	-0.9075	0.2675	-0.2575	0.1255	-0.1945	-0.1015	-0.5925	-1.1185	-0.9745	-0.4255	-0.9335	-0.8545	0.0035	-0.1125	0.1525	0.4475	-0.0845	-1.0445	-0.9445
0.263	0.748	-0.206	0.623	-0.616	-0.453	-0.242	-0.385	0.054	-0.389	-0.487	-0.62	-0.446	0.352	1.551	0.487	0.199	-0.198	-0.494	-0.798	-0.66	0.463	-0.015	-0.593	-0.248	0.322	0.602	0.501	-0.457	-0.287
-0.28	0.237	-0.323	-0.391	-0.825	0.046	-0.656	-0.386	-0.64	-0.291	-0.35	0.199	-0.16	-0.499	0.127	0.292	-0.142	1.017	1.306	-0.696	-0.493	-0.449	-0.197	0.339	0.695	-0.396	-0.297	-0.724	-0.64	0.923
-1.0025	-0.5565	1.4945	0.4235	-0.0485	1.1005	-0.4075	-0.5525	0.2855	0.2335	-0.2195	0.0415	-0.2575	1.1405	1.1835	0.1335	-0.8425	2.9255	-0.3785	-0.6075	0.0435	2.0105	-0.7235	-1.9055	-0.7485	-0.3645	-0.1795	-0.9665	0.0025	0.4815
-0.071	0.16	-0.618	-0.271	-0.289	-0.291	-0.315	-0.571	-0.156	-0.3	-0.069	0.268	-0.026	0.007	0.033	0.725	-0.278	1.093	1.496	0.336	0.313	0.287	0.009	0.15	-0.292	-0.28	-0.402	-0.463	-0.182	-0.612
-0.914	-1.179	-0.724	-0.006	-0.245	-0.71	-0.388	-0.91	-0.102	-0.162	-0.441	-0.685	-0.459	-0.826	-0.767	-0.93	-0.001	-0.486	0.257	0.019	0.973	0.051	0.446	-0.91	-0.335	-0.714	-0.231	-0.208	-0.463	-0.738
-0.806	-1.49	0.149	-1.031	-0.66	0.197	-0.239	0.001	0.138	-0.495	-0.066	0.203	0.213	-0.992	-0.616	-0.732	-0.343	0.597	-0.51	-0.159	-0.995	1.214	0.241	1.177	-0.161	0.123	0.147	0.679	0.163	0.197
-0.49	-0.191	-0.421	0	0.103	0.041	-0.055	0.163	-0.105	-0.654	-0.394	0.848	-0.093	-0.213	0.01	0.394	-0.637	0.059	0.033	-0.179	0.231	-0.117	0.148	0.74	0.187	0.721	-0.157	-0.128	-0.028	0
-0.2205	0.2255	-0.2865	-0.0285	0.0935	-0.0975	-0.2945	0.2555	0.2325	0.0065	0.6585	0.6205	0.2065	0.5095	0.7055	0.2415	0.2075	-0.1545	3.8455	0.6285	0.7815	0.0195	0.9995	-1.2475	1.6235	1.5445	-0.5465	-0.9865	2.1055	2.0495

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0504 LUMINAL	9830-0200 LUMINAL	BR95-0038 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
0.0225	-0.0305	-0.0165	0.3895	0.4405	-0.1645	-0.0135	0.4045	-0.1175	-0.1555	-0.1615	0.2595	-0.0355	0.0715	0.8095	-0.0115	-0.4605	-0.1425	-0.9065	-0.2855	-0.2295	-0.6655	-1.2755	1.2115	0.6005	-0.8555	0.0885	0.5205	-0.7165	-0.0725
-0.0145	-0.6845	-0.0805	0.1925	0.4095	0.2845	0.2355	0.3395	0.5815	0.5315	0.1905	0.2305	0.5645	0.2085	0.4205	0.3755	0.0625	-0.1905	-0.7715	-0.4755	-0.7715	-0.2275	-0.3265	-0.0245	0.2935	-0.0205	-0.2215	0.1635	-0.0845	0.7815
0.292	-0.338	-0.027	0.799	0.802	0.088	-0.527	1.068	-0.441	-0.377	-0.425	0.024	-0.612	-0.848	1.062	0.058	-0.977	-1.203	-2.29	0.739	0.585	-1.281	-1.372	0.173	1.459	-1.582	1.075	1.589	-1.434	-1.665
0.21	-0.16	0.088	1.169	0.888	0.724	1.469	0.855	0.397	0.223	-0.218	2.228	0.575	0.37	0.357	0.234	1.033	-0.106	1.178	1.344	1.062	0.928	0.914	1.99	1.058	1.733	0.485	0.987	-0.17	-0.023
-0.6495	-0.8485	-0.0205	-0.6225	-0.4765	-0.5955	-0.2685	-0.2675	-0.4035	-0.4425	0.1525	-0.5425	-0.3555	-0.4385	-0.2535	-0.5425	0.1025	-0.1255	0.2615	-0.0155	-0.7725	-0.0325	-0.0725	-0.8145	-0.9515	-0.5405	-0.3815	-0.0635	0.2225	-0.3565
-0.3605	-0.5375	1.0845	-0.1545	-0.4035	-0.2305	-0.2655	-0.4165	-0.1255	0.1955	-0.2595	-0.0755	0.1465	-0.1805	-0.0805	-0.1025	-0.1665	-0.0175	-0.3655	-0.2435	-0.2105	-0.4585	-0.2725	-0.1385	0.0125	-0.1375	-0.1485	0.1805	-0.3245	-0.0825
-0.546	-1.528	0.227	0.005	-0.284	-0.093	0.341	0.35	0.421	-0.573	-0.007	-0.385	-0.278	-0.307	-0.739	-0.77	-0.431	-0.544	-0.025	-0.528	-0.402	0.562	-0.399	0.42	-1.491	-0.433	-0.469	-0.056	0.328	-0.334
0.6535	1.2675	0.1115	1.9375	1.0565	-0.4585	1.1045	1.0545	1.0735	0.2385	0.5075	0.4375	0.7515	0.3805	0.8255	1.0965	0.0025	-0.1335	-1.5805	-1.8295	0.3305	0.6845	2.6435	1.5125	1.0945	1.6505	1.9335	1.9975	0.8655	1.1835
-0.145	-0.58	-0.326	-0.276	-0.227	-0.419	-0.507	-0.442	-0.126	-0.271	-0.446	-0.429	-0.203	-0.414	-0.407	-0.686	-0.787	-0.482	0.004	-0.506	-0.679	-0.41	-0.119	-0.245	-0.807	-0.833	-0.525	-0.13	-0.317	-1.169
-0.5735	-1.0455	-0.0205	0.0035	-0.2555	-0.5455	-0.3025	-0.2425	-0.4015	-0.5025	-0.2745	-0.4785	0.0395	-0.2155	-0.0035	-0.1155	-0.2685	0.1885	-0.2305	-0.3705	0.2585	-0.0095	0.2805	0.0775	-0.4225	-0.2065	0.1075	0.2175	0.5315	-0.4025
0.2655	1.4465	1.1325	-0.6265	0.5505	-0.5355	-1.3335	0.1025	1.0605	1.2185	0.9175	1.6095	0.0365	0.4195	-0.5645	-0.4285	0.4425	-0.3195	1.5355	1.0685	-0.1655	0.0775	0.0815	-1.0125	1.2455	-0.0725	0.1485	-1.0015	-0.1895	2.1315
-0.1005	-0.2175	-0.0665	0.1325	-0.0915	-0.0245	-0.4885	-0.1445	-0.1935	-0.2625	-0.4705	-0.2675	0.0845	-0.2215	-0.4125	-0.1425	-0.3405	-0.1185	-0.2825	-0.1465	-0.2755	-0.4825	-0.4285	-0.7715	-0.3465	-0.5765	-0.2025	-0.1175	0.0375	-0.1715
-0.0435	-0.3005	0.1025	1.1105	0.7625	0.4835	0.7745	0.8685	0.1895	-0.0375	0.4075	0.1595	0.7125	0.8685	0.3735	0.2525	0.2065	0.4125	0.1655	0.0555	0.2635	1.2755	0.3655	0.9265	-0.7915	0.5825	0.6595	0.5765	-0.1475	-0.6275
-0.135	0.529	-2.755	-1.634	-0.856	-1.117	-0.356	2.641	0.441	-0.193	-1.368	-2.104	1.405	1.765	0.189	0.646	-1.861	0.432	-2.454	-1.32	-0.77	-2.739	2.224	-0.685	-2.097	-2.31	-0.935	-2.548	1.997	-0.692
0.0745	1.4285	0.3895	0.8475	1.0285	1.1355	0.3315	1.2235	0.9805	1.0695	0.4855	0.3145	0.2025	0.6815	0.3465	0.4755	0.0125	-0.0975	0.6775	0.4215	0.4285	-0.1715	0.2205	0.0665	-1.1025	0.1665	-0.2115	0.4525	-0.2395	-0.1545
0.2005	0.3755	0.6175	-0.4785	-0.2435	-0.2605	0.0245	0.8005	0.1735	-0.2555	-0.2265	-0.4605	-0.0245	0.6805	0.7955	-0.4755	-0.2875	-0.4455	0.5095	-1.8135	-1.3465	0.2025	-0.4015	0.2725	-0.9725	-0.6245	0.0965	-0.4625	0.1755	-0.3735
-0.274	0.263	-0.052	0.449	0.379	0.743	0.396	0.075	-0.491	-0.522	-0.242	-0.036	-0.057	-0.083	0.245	-0.033	0.065	-0.364	0.282	-0.045	0.02	0.523	0.267	0.192	0.417	0.131	-0.028	-0.205	-0.117	-0.156
0.6715	0.0325	-0.1005	0.0545	0.1885	0.3495	0.6755	0.2575	0.4205	0.2245	0.3585	0.2805	0.3435	0.4245	-0.2125	0.6705	0.3525	1.2015	-0.1535	-0.4105	0.2205	0.6775	0.4495	-0.4895	0.6275	0.4545	0.0215	-0.0595	0.1645	0.1205
-0.487	-0.249	-0.525	-0.3	0.185	-0.276	-0.182	-0.373	0.121	0.087	-0.283	-0.685	-0.298	-0.595	-0.479	-0.638	-0.263	-0.604	0.62	0.23	-0.012	0.072	0.165	0.022	-0.464	-0.707	-0.195	-0.193	-0.812	-0.849
-0.1325	0.5625	-0.5475	0.7825	0.9605	0.6415	-0.6885	1.1065	0.7835	-0.0615	0.1095	0.8245	0.0625	1.4465	0.7145	-0.4805	-0.3765	-0.6175	-0.8535	0.4795	0.4015	0.9525	1.8915	-0.1995	0.3905	0.6015	0.4625	0.3145	-1.1275	0.6295
0.01	-0.12	-0.202	-0.233	-0.218	0.18	-0.163	0.188	0.191	0.27	0.022	-0.071	-0.189	-0.25	0.619	0.27	0.514	0.073	-1.062	0.369	-0.304	0.18	0.083	0.112	-0.437	0.283	0.279	0.263	0.734	0.08
-0.2015	0.1855	0.4025	-0.0065	-0.1675	0.1335	-0.2045	0.3515	0.2175	0.0065	-0.3435	-0.0795	-0.1285	-0.3785	-0.2445	-0.1445	-0.0855	0.0685	-0.0505	-0.3555	-0.1095	-0.0045	-0.0785	0.0045	-0.6815	-0.1865	-0.1455	-0.0575	0.1705	0.5385
0.4405	0.8345	-0.4415	-0.0565	-0.3095	0.3105	-1.0475	-0.7375	0.3295	-0.4045	-0.7055	-0.6535	-0.0795	0.0855	0.4545	-0.4685	-0.3185	-0.6055	-0.4735	-0.4035	-0.3095	-0.5595	-0.9765	-0.9995	-0.4135	-0.7435	-0.7215	-1.5085	-1.1205	-0.5815
-0.85	-0.515	0.383	0.591	0.802	0.215	0.42	-0.288	-0.487	-0.333	0.269	-0.24	-0.68	-0.424	-0.625	-0.205	-0.015	0.32	0.339	0.437	0.45	-0.181	0.028	-0.074	-1.295	-0.472	0.327	-0.082	-0.627	-0.034
-0.7565	-1.1195	1.2785	1.1975	-0.5725	0.5225	0.7425	0.8065	1.0065	0.0055	1.2425	0.6225	0.7765	0.5915	0.6285	0.1125	1.2215	1.5065	-1.4935	0.2745	0.8025	0.8775	0.7275	0.7785	0.0965	1.1435	0.3925	1.0835	-0.3375	0.4955
-0.6745	-0.5555	0.4425	0.4755	-0.2665	-0.0995	0.2715	0.1145	0.2005	-0.2515	0.3215	0.1655	-0.1055	-0.6815	-0.1465	0.5205	0.2115	-0.3105	0.4755	0.2365	0.8655	0.4455	0.3355	0.0215	0.5695	0.9785	0.8365	1.0745	0.1165	0.7335
0.0325	1.0535	1.4845	0.5095	-0.5595	1.1075	0.4595	-0.5585	0.3395	0.9675	0.2285	-0.9225	0.1365	-0.5895	-0.3385	-0.9475	-0.0705	-0.0765	-0.6195	-0.4725	0.0745	-0.3845	-1.0115	0.5235	-0.7475	-0.5925	-0.1635	-0.7145	-0.3395	-0.0995
0.126	-0.239	0.126	-0.374	0.089	0.218	0.56	0.133	-0.093	-0.025	-0.041	0.005	0.121	0.06	0.32	0.513	0.324	0.747	-0.077	0.431	0.166	0.271	-0.188	0.271	-0.006	0.799	0.056	-0.419	0.077	-0.001
0.2715	0.7725	0.7275	-0.7365	0.0865	0.5985	-0.4315	-0.4755	-0.3235	-0.3365	-0.8545	0.3175	-0.0495	-0.4115	0.2545	-0.3015	0.6855	0.4945	-0.9505	-0.4135	-0.4495	-0.4565	-0.5235	-0.7195	-0.4425	-0.3795	-0.1435	-0.6555	-0.6565	0.4245
0.414	-0.383	0.452	-1.414	-3.869	-0.964	1.327	1.495	0.91	-0.062	1.725	1.163	0.977	0.667	-0.086	-0.879	-0.423	1.169	2.345	3.915	2.636	-1.08	2.231	1.558	-0.707	2.655	1.763	2.187	1.154	-1.152
-1.2805	-1.0935	-0.3105	-1.2485	-0.7905	-0.7985	-0.6375	-1.2115	-0.8155	-1.3235	-1.2315	-1.2785	-0.9425	-1.3405	-0.9885	-0.7565	0.1965	-0.0845	-0.3995	-0.5725	-0.3145	-0.4315	0.3865	-0.9255	-0.6375	-1.0265	-0.2685	-0.4865	0.6305	-1.0035
-0.266	-0.088	0.153	0.179	0.44	0.128	-0.061	0.706	0.056	-0.079	0.581	0.37	-0.477	0.253	0.329	0.796	0.462	0.165	0.199	-0.009	0.53	0.214	-0.253	1.307	0.87	1.194	0.419	-0.278	0.939	1.054
0.62	-0.126	0.592	-0.671	-0.98	-0.416	0.33	-0.789	1.157	-0.373	0.972	-0.583	0.445	0.274	0.134	-0.237	-0.502	-0.739	-1.856	-0.602	-0.688	-1.006	-0.898	0.97	-1.282	-0.623	-1.041	0.384	-1.839	-1.084
0.4975	0.9355	0.3455	0.1925	0.4745	0.1215	-0.0955	1.4995	-0.5385	-0.6455	-0.2705	-0.3065	-0.1895	0.9435	1.7225	1.0035	0.8035	-1.3875	-0.9035	-0.5205	-0.4535	-0.4245	-0.5995	-0.6995	-0.1515	-0.4055	0.0355	-1.0845	0.1095	0.2255
0.53	0.02	-0.62	-0.276	-0.151	0.496	-0.683	-0.429	-0.18	-0.954	0	-0.887	-0.213	0.35	-0.01	0.227	-0.032	0.62	-0.272	0.14	0.12	-0.788	-0.444	0.111	0.324	-0.529	0	-0.021	-0.364	-0.132
0.0525	-0.4335	0.7205	-0.1465	-0.3175	-0.0275	-0.2545	-0.2375	0.1395	-0.2365	-0.3285	-0.2645	-0.1445	-0.4775	-0.4255	-0.8635	-0.2265	-0.4255	-0.1535	0.3935	0.7205	0.3785	-0.1175	-1.1555	0.6825	0.8125	-0.0075	0.4665	0.4985	-0.3685
0.309	0.666	-0.215	-0.071	-0.258	0.126	-0.495	-0.377	-0.04	0.212	-0.101	0.273	0.023	-0.584	-0.028	-0.087	-0.002	-0.338	-0.43	-0.259	-0.071	-0.487	-0.358	-0.817	0.695	-0.295	-0.006	-0.848	0.158	0.883
-0.2655	-0.5285	-0.3025	-0.3325	-0.2085	0.0035	0.0865	-0.5815	-0.1405	0.0015	-0.3135	-0.2235	-0.4085	-0.6375	-0.5965	-0.7065	-0.0495	-0.5055	0.1755	0.1365	0.3505	0.2625	-0.0685	-0.9145	-0.1635	-0.2645	-0.2685	-0.0915	-0.4975	0.0975
-0.0815	-0.2045	0.3405	1.1865	1.6615	-0.1655	0.2315	0.3515	0.6075	-0.0545	1.0915	-0.2905	-0.1645	0.0375	-0.4615	-0.1325	-0.0305	-0.3825	-0.4305	0.1845	-0.2925	-0.3195	0.2505	0.0095	0.2455	0.4605	-0.1895	-0.6845	-0.3075	-0.2765
0.3715	-0.0765	-0.6215	0.1235	-0.4145	0.0915	-0.3085	0.7985	0.2835	0.6075	0.0145	0.0045	-0.2085	-0.5075	0.0425	0.1705	-0.0095	-0.8155	-0.6535	-0.5035	0.3525	-0.0755	-0.2835	-1.1155	-0.6055	-0.5615	-0.1375	-0.8325	-1.2165	0.3195
-0.8225	-0.9505	0.5805	-0.2625	-0.9155	0.5605	0.1855	0.1175	-0.2805	-0.8355	-0.5455	0.4645	-0.0315	-0.3995	-0.1865	-0.7425	-0.1155	1.1635	0.4295	0.6575	0.1005	-0.2965	-0.4225	0.1075	-0.3805	0.3605	0.4655	0.9475	0.6875	0.3725
0.1695	0.3795	-0.1525	-0.3025	-0.0295	0.0715	0.2395	-0.0355	0.0535	-0.0925	-0.0475	-0.2755	0.0195	-0.0255	-0.0195	-0.0605	-0.1295	0.1765	0.0765	-0.3045	-0.0705	0.0575	-0.0465	-0.0975	-0.6295	-0.5545	-0.4605	-0.7745	-0.6155	-0.4815
-0.491	-0.295	0.01	-0.286	-0.202	-0.125	-0.386	-0.497	-0.184	-0.363	-0.252	-0.195	-0.356	-0.465	-0.134	0.194	0	-0.113	-0.151	-0.189	-0.229	0.112	0.097	0.835	0.46	0.078	0.183	0.038	-0.312	-0.507
-0.4325	-0.1775	-0.4135	0.1185	0.6455	-0.0205	0.2565	0.6785	-0.3175	-0.2195	-0.3845	0.2625	-0.2775	-0.1645	-0.4605	0.1505	-0.4375	-0.0005	-0.4545	-0.6145	0.1445	-0.1615	-0.4615	0.0735	0.2765	0.0675	-0.0975	-0.3325	0.9165	-0.1435
-0.4805	0.3645	0.1095	-0.0305	-0.3975	0.1895	-0.0255	0.0025	0.0245	-0.5045	-0.1475	-0.3995	0.2185	-0.4475	-0.3995	-0.3955	-0.1225	-0.0505	0.2335	-0.3225	-0.3145	0.2345	-0.2575	0.2675	-0.5165	-0.3235	-0.0845	0.3095	-0.0285	0.2455
-0.33	-0.494	-0.111	-0.452	0.065	-0.454	-0.579	-0.283	-0.402	-0.3	-0.261	-0.54	-0.176	-0.418	-0.061	-0.227	-0.031	-0.328	0.159	-0.186	-0.189	-0.582	-0.301	-0.054	-0.412	-0.431	-0.17	-0.381	0.139	-0.773
-0.89	-0.291	0.431	0.538	0.254	0.05	-0.238	0.009	0.276	0.155	-0.154	0.246	0.331	0.29	0.009	0.136	0.656	0.48	0.036	-0.221	-0.497	0.423	0.107	-0.063	0.818	0.432	0.256	-0.604	0.563	0.731
-0.407	-0.416	-0.434	-0.382	-0.489	-0.235	-0.608	-0.383	-0.364	-0.086	0.151	0.148	-0.249	-0.213	-0.016	0.239	-0.078	-0.313	0.904	0.064	-0.806	-0.191	0	0.148	0.128	0.096	-0.381	-0.312	0.023	-0.315
-0.1235	-0.3265	0.3505	1.5575	0.6645	-0.5425	0.5405	-0.1925	0.5245	-0.3715	-0.7925	-0.4655	-0.1715	-0.0125	0.3435	0.0765	-0.3075	-1.6725	-0.5035	-1.3655	-0.0525	0.9525	0.2235	0.7945	0.8185	0.0925	0.3305	0.8125	-0.7635	-0.5505
-0.562	-0.88	0.436	-0.524	0.182	-0.308	-0.679	-0.516	-0.379	-0.09	0.209	-0.239	-0.604	-0.539	-0.43	0.261	-0.221	-0.6	0.601	0.165	-0.089	-0.423	-0.798	-0.254	0.189	-0.671	-0.277	-0.594	-0.337	0.438
-0.3855	-0.0215	0.1135	-0.1765	-0.4125	-0.1475	0.0965	0.2365	0.1275	-0.1735	-0.1425	-0.1905	0.0475	-0.4275	-0.1835	0.2395	0.2845	0.4235	0.1225	-0.4525	-0.4185	0.1185	0.3765	0.2235	0.3185	0.0145	0.1925	0.5315	-0.1375	0.3895
-0.5985	-0.4705	0.1005	-0.4625	0.7415	-0.7725	-0.9755	0.2815	0.1735	-0.5395	-0.2625	-0.2085	-0.1055	0.2895	0.2085	1.2235	-0.3155	-0.0115	0.2135	-0.5515	0.0315	-1.0305	0.4085	0.4065	-0.0625	1.5195	1.0585	1.2485	0.8605	-1.0675
-0.5405	-0.2925	-0.0405	-0.2955	-0.6685	-0.4745	-0.4235	0.3375	-0.3225	-0.5785	-0.0965	-0.1715	-0.3475	-0.1605	-0.2465	-0.1865	-0.4855	0.1275	-0.0285	-0.5035	-0.4035	-0.4025	-0.4085	0.0305	-1.0545	-0.2585	-0.0475	-0.2835	-0.5585	-0.5705
0.1095	0.1085	-0.3875	0.0645	0.1985	0.3755	0.0605	-0.0165	0.5175	0.3175	-0.3005	-0.2895	-0.0575	-0.0165	-0.0575	0.0645	0.9885	-0.1995	0.5355	0.5135	0.1635	-0.0175	0.5935	0.1995	1.2085	0.0725	0.6705	0.4835	0.0415	-0.0975
-0.0715	0.1575	-0.4945	-0.2635	-0.2865	0.1985	-0.0485	-0.3185	-0.2375	-0.5415	-0.0405	-0.5105	-0.1115	-0.2985	-0.3435	0.1415	0.0795	-0.1315	-0.6765	-0.2065	-0.3005	-0.2585	0.3685	-1.0935	0.8735	0.1965	0.0065	0.1745	1.2815	-0.1975
-0.04	-0.319	3.473	1.055	2.042	0.343	1.187	0.004	0.725	1.089	0.615	0.16	2.216	1.547	-0.359	1.715	2.063	0.703	-0.699	1.3	0.697	-0.609	1.289	3.639	0.447	0.745	2.39	3.126	0.224	0.294
-0.155	0.321	-0.072	-0.002	0.345	0.29	0.028	-0.013	-0.229	-0.197	0	-0.028	-0.208	-0.237	0.191	-0.064	0.467	0.103	0.075	-0.043	-0.17	0.043	0.177	0.719	0.836	0.34	0.043	0.201	0.397	0.077
-0.656	-0.605	-0.018	0.797	1.085	0.719	0.553	0.019	0.189	0.445	0.14	0.511	-0.002	-0.158	-0.614	-0.008	0.466	-0.747	1.913	1.326	0.801	0.853	0.606	-0.691	0.228	0.421	0.428	0.523	-0.161	-0.179
-0.3325	0.9395	1.1065	-0.6225	-0.6935	0.6065	-0.6935	-0.6555	3.0385	0.1775	0.0905	-0.9545	-0.0905	0.3145	-1.1605	-1.0105	-0.7185	-0.3275	-1.8705	0.2005	0.9205	-0.9625	-0.9155	-0.3995	-0.7035	-1.0575	-0.0075	-1.2085	-0.2775	-0.8585
-0.501	-0.693	-0.859	-0.967	-0.779	-1.011	-0.734	-1.03	-0.51	-0.536	-0.857	-0.353	-0.652	-0.893	-0.214	-0.011	0.4	-0.253	0.277	-0.124	-0.599	-0.816	0.111	-1.027	-0.491	-0.673	-0.764	-0.945	-0.294	-0.711
-0.4805	-0.0195	-0.2085	-0.2055	-0.6865	-0.4905	-0.0595	-0.4075	-0.1745	-0.5305	-0.6845	-0.5835	-0.1155	-0.4505	-0.4415	-0.4115	-0.0475	-0.0525	0.0625	-0.4775	-0.1175	0.3155	0.2985	0.4365	-0.3985	-0.7715	-0.0725	0.0015	0.0745	-0.5525
0.097	-0.32	0.18	0.45	-0.251	2.187	0.638	0.456	0.109	0.282	0.263	-0.073	0.171	0.445	0.272	-0.191	-0.43	-0.267	-0.231	0.184	-0.231	-0.261	-0.457	2.611	2.016	-0.091	-0.361	-0.542	-0.094	0.046
0.4725	-0.5515	0.1005	-0.0045	-1.3815	0.5885	0.3405	-0.5095	-0.1375	0.4995	0.0105	0.0885	0.4805	0.1255	-0.2805	-0.8175	-0.5315	-0.7755	-1.9245	-1.0455	-0.0985	-0.4565	-0.6055	-1.0275	-0.9995	-0.7745	-1.2315	-0.2385	-1.0425	-0.7015
-0.577	-0.504	0.061	0.255	0.053	-0.612	-0.067	-0.01	0	-1.042	-0.23	-0.001	-0.265	-0.153	0.306	-0.057	-0.028	-0.666	0.271	-0.34	-0.528	0.125	0.122	0.321	-0.012	0.085	0.44	0.596	-0.715	-0.318
0.18	-0.148	-0.36	0.044	-0.597	-0.096	0.267	0.15	0.102	0.057	-0.061	0.032	0.322	0.166	0.413	-0.484	-0.234	-0.22	-1.099	-0.268	-0.708	0.066	-0.102	-0.57	-0.64	-0.385	-0.126	-0.111	-0.082	-0.259
-0.507	-0.216	-0.13	-0.345	0.061	-0.254	-0.368	-0.627	-0.235	-0.189	-0.455	-0.022	-0.166	-0.259	0.002	0.382	0.539	0.424	0.036	0.197	0.464	0.312	0.377	-0.535	1.08	0.27	0.282	-0.059	0.43	1.049
0.4155	-0.1245	0.4605	-0.6805	-0.2205	-0.3445	-0.2085	-0.1205	0.1185	-0.4045	0.1905	-0.1835	-0.1115	0.3435	0.7565	1.2125	-0.0135	-0.8975	-1.0615	-0.8495	-0.6245	-1.0875	-0.4745	-0.7965	-0.7345	-1.1235	-0.2505	-0.4095	-0.8275	0.3055
1.2535	0.6545	0.7175	0.3815	0.1435	0.2745	0.6075	1.4945	0.4755	0.4545	0.7165	0.1705	0.2905	0.9765	0.9215	0.1665	0.0655	-1.6355	-1.7005	-1.9175	-1.2885	-0.7895	-1.4675	-1.9755	-2.1135	-1.6785	-0.8515	-2.2525	-1.0105	-0.4855
0.037	-0.308	0.405	0.879	-0.084	0.451	0.511	-0.169	0.637	0.564	-0.056	-0.327	0.2	0.011	-0.198	-0.19	0.001	0.157	-0.017	-0.044	-0.199	-0.285	-0.213	0.496	-0.059	-0.178	-0.188	0.217	-0.287	-0.607
-0.2745	-0.6025	0.0545	0.0525	-0.0015	0.3485	-0.0135	0.1455	0.2495	0.1075	0.0465	-0.1575	0.0705	-0.3415	-0.4515	-0.5155	-0.2655	-0.1415	0.0015	-0.6585	-0.5025	0.3515	0.0325	-0.5145	-1.2175	-0.7435	-0.2375	-0.4695	-0.1545	-0.2225
0.2765	0.2745	-0.3635	-0.5805	0.0845	-0.4105	0.2005	0.2875	-0.1175	-0.5755	0.2535	0.1445	-0.6365	0.0695	0.4985	-0.2115	0.6225	-0.5255	-0.0045	0.2675	-0.2165	-0.1585	-0.1475	-0.2635	-0.0475	0.2135	-0.2035	0.2745	0.1075	0.0155
0.7885	0.6065	0.2395	-0.5355	-0.5195	0.5795	-0.0485	0.1195	-0.1625	0.1955	-0.0095	-0.1835	0.4905	0.3975	0.4475	0.2055	0.0915	-0.5185	-0.6175	-0.0435	-0.8765	-1.3275	-0.4295	-0.9365	-1.3095	-0.4745	-0.1155	-1.2795	-0.9515	0.6545
0.0085	0.0195	1.1485	0.2715	-0.1295	-0.8575	0.0185	1.0715	0.5785	-0.2255	-0.9445	0.0915	-0.8505	0.9205	-0.1285	0.2615	-0.4645	1.4645	-0.1775	0.4305	0.9485	0.4245	0.4505	-0.4935	-1.2695	0.2985	0.2935	-1.1635	-0.5325	-0.7355
-0.4855	-0.1415	0.3315	0.3255	1.3175	0.3205	2.0395	2.4825	1.6305	-0.3235	-0.4305	0.6545	1.2115	-0.0195	1.0235	0.8455	2.6885	1.1185	3.7865	3.0755	2.2545	1.1295	2.6475	4.3285	4.5715	3.7915	2.3775	3.2255	-0.5315	-0.0615
-0.3155	-0.7205	0.4475	-0.2955	-0.2725	-0.0135	-0.3565	0.2535	-0.1605	-0.2285	-0.2805	-0.3445	0.0875	-0.3545	-0.4545	-0.2995	-0.8735	0.4315	0.4665	-0.1365	-0.3945	0.4515	-0.3255	-0.1915	-0.6745	-0.2825	-0.5975	0.0035	-0.2345	-0.4015

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-001(LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-050(LUMINAL	9830-0200 LUMINAL	BR95-003(LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-036; LUMINAL
-1.2335	-1.1825	-0.4115	-0.7015	-0.4335	-0.4335	-1.5765	-1.0635	-0.9785	-0.7005	-0.6105	-0.6625	-0.5645	-1.1695	-0.5705	-0.2525	-0.5315	-0.0705	-0.7485	-0.6605	-0.3805	-0.6915	-0.8555	-1.0125	-0.3715	-0.7195	-0.2175	-0.3605	-0.2835	-0.4745
0.13	0.324	-0.234	-0.551	-0.084	0.257	-0.107	0.043	0.028	-0.009	0.02	-0.01	-0.104	-0.273	0.132	0.032	0.05	0.341	-0.272	0.224	-0.082	0.055	-0.054	-0.245	0.557	-0.004	0.24	0.083	0.078	-0.177
-0.417	-0.791	0.551	-0.011	-0.086	0.684	0.312	0.322	0.078	-0.102	0.122	-0.164	-0.164	-0.006	-0.389	-0.638	-0.676	0.051	-0.084	0.093	-0.452	0.658	0.007	-0.608	-1.033	-0.218	-0.289	0.082	0.14	-0.679
-0.3055	-0.0695	-0.0935	-0.4735	-0.6725	0.1365	-0.4915	0.0005	-0.0895	-0.6085	-0.2115	-0.2525	-0.0515	-0.0035	-0.1815	-0.4895	-0.6035	-0.0945	0.5935	-0.0705	0.3055	-0.3725	-0.3615	-1.0355	-0.5995	-0.2435	-0.8625	-0.0275	0.1385	0.0525
-0.3185	0.2545	0.0475	-1.0305	0.4365	-0.2075	-0.6935	0.0225	0.0185	-0.4535	-0.0995	-0.2695	-0.4405	-0.3155	0.9135	0.1335	-0.0035	0.1645	0.1585	0.1165	0.1935	-0.5805	-0.3875	0.5015	-0.2315	-0.1225	0.0555	-0.1415	0.3655	0.1415
0.7655	0.2885	0.1025	-1.8835	-1.0225	0.5325	1.1825	0.5465	-1.1295	1.1685	0.4275	-0.0525	0.6965	-1.6335	0.1725	-1.8345	-1.8295	0.2445	0.5855	-1.3495	-0.9535	-1.7605	-0.7925	0.7535	-2.2145	-2.1605	-1.4225	-0.4985	-1.1705	0.5895
-0.0005	0.1725	0.7845	-0.1195	0.4545	0.6425	0.4395	0.5735	0.3705	0.0905	-0.0485	0.0005	0.1585	0.6105	-0.3275	-0.4815	-0.1975	0.7975	-0.2105	0.0445	0.1805	0.2555	0.0165	-0.8545	0.6445	0.6285	0.7275	0.4625	0.2705	0.1585
-0.338	-0.561	0.582	1.515	1.597	0.295	1.262	0.91	1.451	0.877	0.683	-0.001	-0.08	0.167	-0.104	0.155	0.517	0.443	-0.44	0.001	0.278	0.541	0.833	-0.529	-0.378	-0.28	0.372	-0.099	0.956	1.179
1.19	1.243	0.202	0.138	0.044	1.837	0.456	3.54	2.28	1.033	3.852	-0.194	1.425	0.517	3.47	0.084	1.219	-0.146	2.96	4.051	0.888	-0.452	3.03	-0.559	-0.604	-1.062	0.445	-0.438	-0.228	0.537
-0.592	-0.137	-0.19	0.181	0.688	-0.532	0.28	0.042	-0.486	-0.48	0.426	-0.159	-0.63	-0.591	-0.332	0.16	0.01	0.089	0.797	0.273	0.596	-0.702	-0.076	1.424	1.427	1.181	0.712	1.196	0.788	-0.238
-0.2125	0.2815	0.0225	0.5935	0.2465	-0.0825	0.1335	0.1515	-0.0515	-0.5165	0.0275	-0.1425	-0.3865	0.4895	0.4915	-0.0005	-0.0655	-0.9735	-0.5595	-0.2265	-0.1025	0.0925	0.3035	0.1375	-0.0705	0.0475	0.1945	0.2635	0.1255	0.0005
0.037	0.138	0.012	-0.21	-0.374	0.029	-0.566	-0.63	-0.43	0.222	-0.004	-0.359	0.141	-0.463	-0.588	-0.267	-0.154	-0.614	-0.921	-0.628	-0.771	-0.51	-0.497	-0.309	0.004	-0.138	-0.123	-0.249	0.021	0.252
-0.724	0.132	-0.317	0.912	0.978	-0.019	0.048	-0.035	-0.049	-0.836	-0.249	-0.487	-0.177	0.029	0.244	-0.258	-0.003	-0.509	0.126	-0.474	0.141	0.661	-0.22	0.384	0.568	0.407	-0.392	-0.67	-0.213	0.232
0.562	-0.306	0.826	-0.048	-0.274	-0.53	-0.617	-0.601	-0.728	0.392	0.272	2.356	0.385	0.399	-0.587	1.386	-0.21	-0.091	3.604	2.577	0.127	-0.59	-0.495	-0.146	1.513	1.249	-0.511	-0.704	-0.622	0.32
0.009	-0.272	0.617	-0.324	-0.197	-0.364	1.174	0.629	1.394	0.312	1.576	2.231	0.302	0.278	0.63	0.592	1.752	1.895	1.244	0.299	1.353	0.343	2.127	-0.088	0.965	1.774	1.046	1.971	1.594	-0.099
-0.4665	-0.6695	-0.0135	0.2465	-0.3195	-0.2305	-0.1295	0.2225	0.3295	0.1595	0.4865	0.2345	0.1215	-0.3265	-0.1205	-0.3635	-0.7925	0.2535	-0.4665	-0.2655	-0.8825	0.0325	0.3585	-0.2945	-0.3145	0.0125	-0.1605	0.2775	0.2055	0.1285
-0.6515	-0.7455	-0.8195	-0.6585	-0.9155	-0.7975	-0.5005	-0.8595	-0.7595	-0.6085	-0.6385	-0.8175	-0.7755	-1.2925	-0.5665	-0.3985	-0.0675	-0.3925	0.0115	-0.2655	-0.3375	-0.9635	-0.6185	-0.6225	-0.3905	-1.1445	-0.3505	-0.4975	-0.4455	-0.3795
-0.564	-0.084	-0.171	-0.247	-0.363	0.389	-0.643	0.216	0.143	0.042	-0.289	-0.63	-0.108	-0.416	-0.769	-0.044	-0.597	-0.588	0.149	-0.269	0.222	-0.324	-0.326	-0.096	-0.616	-0.559	-0.029	0.736	-0.092	-0.255
-0.5245	-0.3225	-0.8315	-0.1415	-0.0005	0.5625	-0.2945	0.0185	-0.2675	-0.7485	-0.1715	-0.2075	-0.3435	-0.0735	-0.1805	-0.6105	0.1885	0.0915	0.3845	-0.3995	0.2895	0.2635	0.2165	0.6845	-1.7095	-0.2675	-0.1235	0.0425	-0.0155	-0.5285
-0.6185	-0.7475	1.0725	-0.1835	1.2615	-0.7205	0.4275	-0.1145	1.4105	0.0925	-0.1105	0.3245	1.0435	-0.5025	-0.3445	-0.4875	0.2065	-0.6355	0.2335	0.0435	0.9985	1.7065	1.2675	1.6865	1.4665	1.2215	1.9325	2.2955	1.6585	-0.4455
-0.3665	-0.8385	0.4125	-0.8865	-0.3195	-0.2955	-0.8745	-0.3705	-0.0125	-0.3765	-0.2975	-0.8145	-0.5705	-1.1815	0.1465	-0.8475	-0.1465	-0.2325	0.1345	-0.8175	-0.3525	-0.1985	-0.0495	-1.0685	0.1865	-0.1275	0.1025	0.1995	-0.3605	0.1335
-0.133	-0.444	-0.234	0.699	0.393	1.236	1.463	0.764	0.539	0.701	-0.047	0.395	0.541	-0.002	0.399	-0.531	1.147	1.372	1.181	2.429	-0.428	2.347	2.583	1.567	-0.394	0.706	0.849	1.341	-0.873	-0.162
0.005	-0.342	1.021	-0.49	-0.829	-1.031	-1.192	-0.311	0.002	-0.209	0.137	-0.49	-0.113	0.048	0.574	0.833	-0.696	-0.386	-0.069	0.992	0.711	0.693	-0.597	1.152	-0.675	-1.165	0.259	0.465	-0.773	0.436
0.2325	0.1685	1.1755	-0.1495	-0.1945	-0.1385	0.5075	0.8375	0.9015	0.5015	0.8715	0.4065	-0.1555	-0.6855	-0.1485	0.5065	1.9785	0.1255	-1.4385	1.0705	1.1265	-0.2795	0.3215	-0.7175	1.1705	1.0755	1.1445	1.1775	0.3215	1.5845
-1.056	-0.688	-0.47	-0.607	-0.418	0.352	0.398	2.67	1.552	0.956	0.478	-0.938	-0.454	-0.435	0.843	0.269	-0.076	1.124	0.405	0.377	-0.447	0.407	1.759	1.461	-0.964	0.104	0.022	0.958	2.565	1.832
-1.2925	-1.0395	0.1355	-0.3985	-1.3735	-0.1285	-0.2465	0.3325	0.1955	-0.2415	-0.0005	-0.7195	0.0035	-0.6055	-0.2445	-0.3285	-0.3625	-0.6765	0.0475	0.6305	0.5395	0.1805	0.3785	0.0975	-0.2685	-0.2775	-0.0155	-0.0685	0.6195	-0.5685
-0.502	-0.704	0.227	-0.558	0.029	-0.114	0.019	-0.257	0.142	0.063	0.066	0.175	-0.317	-0.524	-0.015	-0.093	0.4	0.847	0.453	0.582	0.652	0.475	0.281	-0.283	0.526	-0.16	0.759	0.389	-0.375	0.379
-0.584	0.155	-0.043	-0.05	-0.814	-0.031	-0.267	-0.191	-0.274	0.159	-0.23	0.128	-0.263	-0.741	-0.248	-0.23	-0.319	0.034	-0.6	-1.075	-0.358	-0.444	-0.125	0.273	-0.281	-0.47	-0.029	-0.524	-0.689	0.051
0.011	-0.041	1.447	0.412	0.258	-0.002	0.317	0.889	0.445	0.635	1.218	-0.156	0.493	0.265	-0.077	-0.28	-0.058	-0.208	-0.216	1.3	1.359	0.237	0.97	2.13	0.106	2.119	1.796	2.027	1.055	0.922
0.06	0.307	0.101	-0.557	-0.251	0.081	-0.339	0.207	0.419	0.695	0.921	0.169	-0.409	0.093	-0.385	0.134	0.379	0.564	-1.007	1.008	0.582	-0.31	0.111	-1.642	-0.104	0.19	0.321	0.244	-0.383	0.12
-0.6415	-0.8345	-0.2865	-0.5765	-0.3085	-0.0685	-0.6735	-0.7345	-0.7195	-0.4535	-0.2295	-0.1995	-0.3355	-1.2195	-0.3255	-0.1495	-0.1615	-0.5795	-0.2735	-0.5555	-0.1905	-0.2685	-0.2145	0.2125	0.5255	-0.1075	0.0205	-0.0555	-0.1495	-0.2035
0.591	0.397	0.073	0.392	-1.003	-0.32	-0.859	-0.882	0.797	0.048	-0.261	0.132	0.064	-0.033	0.127	-0.07	-0.522	0.938	-1.4	0.179	0.151	-0.07	0.339	-0.878	-0.383	-0.555	-0.975	-0.435	-0.652	0.576
0.088	0.588	0.088	-0.001	0.075	0.51	-0.085	-0.08	-0.179	0.019	-0.109	-0.3	0.143	-0.219	-0.312	-0.49	0.051	0.287	0.737	0.014	0.08	-0.31	-0.25	-0.122	-0.388	-0.427	0.228	0.015	0.096	0.249
-0.6515	-0.6275	-0.2405	-0.4225	-0.4085	-0.3085	0.2365	-0.0165	-0.2215	0.0245	-0.1495	0.1925	1.0515	0.2605	-0.2785	-0.2335	-0.0395	1.4185	0.7825	-0.3085	-0.1685	0.2375	0.8215	0.5215	-0.1365	-0.7925	0.1095	0.1835	0.6035	0.0365
-1.097	-0.176	0.141	0.671	-0.679	0.696	0.313	-0.411	1.078	-0.849	0.421	2.511	1.482	-0.648	1.102	1.048	-0.443	2.071	-0.448	2.533	0.48	-1.145	3.016	3.006	2.217	1.944	0.539	1.139	0.378	-0.729
-0.224	-0.616	0.269	0.218	0.104	0.448	0.233	-0.04	0.173	0.162	0.153	-0.404	0.045	-0.211	-0.285	-0.142	-0.247	-0.447	0.893	-0.421	-0.146	-0.105	-0.008	0.59	-0.246	-0.363	0.011	0.098	-1.076	0.231
-1.037	-1.308	-0.969	-0.701	-1.113	-1.017	-0.607	-1.332	-1.132	-1.194	-1.301	-0.403	-0.4	-1.533	-1.003	-0.528	-0.454	-0.729	0.222	-0.33	-0.563	-1.068	-0.104	-0.423	-1.388	-1.416	-0.632	-0.111	-0.307	-1.13
-0.0155	-0.2875	0.3235	0.1875	-0.0245	0.3505	0.3035	0.3845	0.1005	-0.4235	0.0615	0.4135	-0.0705	-0.0025	0.2065	-0.0105	0.2805	-0.0695	0.3735	0.2735	0.0465	0.4515	0.1645	0.0545	-0.2375	0.2135	0.1055	0.3845	0.4015	0.3785
-1.0115	-0.7305	-1.0465	-1.6155	-1.0715	-1.3095	-0.8285	-1.3105	-1.2895	-1.1225	-0.7385	-0.9645	-1.3415	-0.9965	-0.8835	-1.0815	0.0505	-1.1525	-0.4885	-0.3245	-1.3225	-1.2065	-0.1995	-2.2125	-1.6005	-1.6695	-1.3575	-1.4735	0.4475	-0.8255
-0.193	-0.167	-0.646	-0.686	-1.2	-0.059	-0.35	-0.439	-0.478	-0.536	-0.433	-1.255	-0.169	-0.508	-1.101	-1.097	-0.284	-0.45	-0.092	-0.024	-0.18	-0.456	-0.418	-1.432	-0.739	-1.019	-0.446	-0.252	-0.022	-0.539
0.14	-0.12	-0.155	0.063	0.082	-0.06	0.384	-0.302	0.043	0.089	0.151	0.055	-0.109	0.042	-0.14	0.169	-0.146	0.245	0.109	0.199	-0.064	0.255	-0.486	0.354	-0.13	-0.413	-0.45	-0.209	-0.056	0.289
-0.7525	-0.1465	-0.9445	-1.4605	-1.2885	-1.0585	-1.4455	-1.1925	-0.7655	-0.9475	-0.9975	-1.0645	-0.5865	-1.0905	-0.9955	-1.0545	0.0355	-0.0795	-0.7875	-0.3135	-0.1745	-1.1995	-0.1395	-0.9805	-0.6785	-1.0535	0.0165	-0.7395	-0.0855	-0.9425
-0.526	-1.268	-0.356	-1.308	-0.556	-0.229	0.124	-1.07	-1.036	-0.938	-1.176	-1.632	-1.985	-1.426	-1.23	-1.289	1.149	-0.046	1.558	0.074	-0.156	0.204	0.241	-1.211	-1.338	-1.209	-0.271	-0.336	-1.097	-0.941
-0.1525	0.0585	-0.2515	-0.7885	-0.8305	-0.0465	-0.5765	-0.7105	-0.3825	-0.5575	-0.3415	0.0885	-0.3055	-0.1715	-0.0145	-0.0095	0.4625	0.2405	-0.5585	-0.0635	-0.3565	-0.3235	-0.0155	-0.5645	-0.3055	-0.2155	-0.0835	-0.9845	-0.7105	-0.1135
-0.6635	0.3335	1.5745	0.2345	0.0035	-0.4215	0.8135	2.3085	1.2835	-0.2465	-0.5255	0.5195	-1.5365	0.2105	0.6665	2.7245	1.0145	-2.2495	-0.5585	-1.7625	-1.5705	0.2385	-1.0855	-0.8385	-2.1935	-2.4725	-1.1115	-1.6575	-1.6535	-1.2145
-0.0505	-0.6125	0.3865	-0.2815	-0.2625	-0.2175	-0.2825	0.0875	-0.2785	-0.4885	-0.3915	0.1235	0.2625	-0.5145	-0.2815	0.1235	-0.0825	0.4665	-0.0825	-0.2325	0.6005	0.1305	-0.0125	0.6145	-0.5235	0.1745	-0.1925	0.1105	0.7005	0.1455
0.387	0.723	-0.005	-0.787	-0.485	-1.233	-0.009	1.705	0.172	-0.063	1.817	1.102	0.48	0.884	0.788	-0.355	0.005	1.821	0.767	1.954	1.262	-0.355	0.375	-0.34	-0.356	1.517	0.383	0.357	0.118	0.47
-0.3225	0.0745	-0.6075	-0.0335	-0.2195	0.1125	-0.2565	-0.0885	-0.0095	-0.0425	-0.4235	-0.2635	-0.0935	-0.6195	-0.1615	-0.3605	0.7175	0.0645	-0.4205	-0.0425	-0.0135	0.2475	0.1425	-0.2965	-0.2335	-0.4715	-0.0455	-0.1735	-0.3375	-0.6455
-0.5915	-0.5685	0.1505	0.1305	-0.7875	0.0365	-0.2585	0.0025	0.1655	-0.2555	-0.1755	-0.0745	0.1055	-0.0465	-0.1685	-0.0775	0.1965	0.4695	0.1655	-0.3485	0.0655	-0.1965	0.0635	0.1125	-1.0595	-0.0575	-0.1815	-0.1105	-0.2015	0.4295
-0.586	-0.511	-0.378	1.219	-0.502	0.758	0.705	0.197	-0.314	0.848	0.674	1.121	0.413	0.152	0.784	-0.044	-0.081	1.812	1.798	0.543	-0.682	2.034	0.538	0.297	0.629	0.642	-0.487	-0.897	2.675	0.38
0.583	0.606	0.046	0.421	-0.147	-0.031	0.129	-0.086	0.352	-0.002	-0.024	-0.065	0.283	0.378	0.266	-0.224	0.094	-0.272	-0.019	0.053	0.457	-0.156	0.033	-0.53	-0.68	-0.12	-0.097	-0.109	-0.217	-0.065
-0.088	-0.115	0.594	-0.151	-0.316	0.395	0.146	0.34	0.163	0.103	0.172	-0.042	-0.098	0.282	-0.164	0.106	-0.143	0.015	-0.057	0.019	0.021	0.412	-0.2	-0.838	-0.516	0.075	-0.702	-0.886	0.237	0.543
-0.008	-0.681	-0.186	0.42	-0.105	0.063	-0.403	-0.432	-0.211	0.09	-0.099	-0.042	0.034	-0.11	-0.129	-0.104	-0.077	0.056	-0.218	-0.009	-0.378	-0.099	-0.072	-0.622	0.071	0.002	-0.053	-0.79	-0.137	0.058
-0.5345	-0.0145	0.2985	-0.6035	-0.0355	0.3415	-0.1635	-0.2545	0.2625	0.7065	-0.3925	-0.7145	0.0205	-0.8905	-0.4675	-0.7005	0.0215	-0.1515	-0.6145	-0.4175	-0.4635	-0.5725	0.2825	-0.8955	0.2245	-0.1085	-0.0045	-0.4575	0.2695	0.2295
-0.029	-0.222	-0.279	0.384	-0.401	0.307	-0.386	-0.32	0.171	-0.306	-0.096	-0.172	0.52	0.023	0.008	-0.01	-0.104	-0.089	-0.145	0.799	-0.201	-0.505	0.103	-0.715	-0.134	-0.01	-0.243	-0.347	0.472	-0.014
-0.758	-1.595	0.659	-0.247	0.177	-0.45	0.059	0.004	-0.382	-0.401	-0.264	1.505	0.251	-0.213	-0.935	-0.562	0.342	1.56	1.583	0.896	1.238	-0.245	0.264	2.053	0.285	1.687	0.273	1.702	0.048	0.436
-0.437	-0.533	0.603	0.131	0.425	-0.266	1.227	0.853	0.696	0.015	0.305	1.322	0.425	-0.038	0.187	0.376	1.176	1.084	0.975	0.611	0.205	1.342	0.833	0.995	0.17	1.668	1.267	1.994	0.643	1.209
-0.6355	-0.2645	-0.3445	-0.3415	-0.4115	0.0025	-0.2335	-0.3685	0.4135	-0.7035	-0.7305	-0.5945	-0.2825	-0.6845	-0.4775	-0.9505	-0.1885	-0.5415	0.1855	-0.2995	-0.5465	0.1185	-0.1595	0.0695	-0.9225	-0.9555	-0.4435	-0.4385	-0.4475	-0.6525
-0.9475	-0.7435	0.2715	0.4335	-0.9325	-0.4555	0.0735	-0.1265	0.0545	0.0255	0.1625	0.0495	0.4085	-0.3395	-0.7085	-0.6545	-0.1105	-0.3765	0.2795	-0.4815	-0.1875	0.0545	0.2335	0.4255	0.3605	0.5905	0.7185	0.9475	0.0845	-0.3195
-0.3285	-0.6355	0.3545	-0.9125	-0.9215	0.0345	-0.4095	-0.0065	-0.0355	-0.5905	-0.4905	-0.2225	0.2035	-0.2905	-0.4105	-0.7175	0.0415	-0.4995	-0.0305	-0.4515	-0.5565	0.7325	0.2175	-0.3225	-0.5405	0.0145	-0.0425	0.0265	0.0345	-0.4925
-0.4475	0.1045	1.0205	-0.5005	-0.9695	0.6265	-0.7775	-0.1685	-0.5525	-1.1515	-0.5675	-1.0675	-0.2845	-0.5235	-0.4015	-1.1385	0.4915	0.8365	0.3235	0.0935	-0.0475	-0.6195	0.6115	-0.1415	-0.7925	-0.5495	-0.4475	-0.4755	0.0265	-0.2395
-0.388	-0.211	0.192	-0.77	-0.28	-0.151	-0.564	-0.02	0.193	0.096	0.028	-0.095	-0.323	-0.181	0.081	0.179	-0.316	0.192	-0.141	0.033	-0.427	-0.382	0.074	-0.764	-0.12	-0.188	0.179	0.291	0.776	0.124
-0.299	-1.433	-0.363	-0.6	-0.765	-0.412	-0.442	-0.825	-0.195	0.054	-0.116	-0.531	-0.173	-0.615	-0.819	-0.19	-0.238	-0.68	0.106	0.177	0.03	0.07	0.328	-0.517	-0.202	-0.764	-0.26	-0.152	-0.707	-0.309
-0.065	0.243	0.639	-1.105	0.196	-0.152	0.555	1.72	3.621	-0.166	-0.076	0.636	-0.125	0.028	-0.498	0.142	-0.631	0.637	1.22	6.204	0.614	-0.406	3.642	0.506	-1.145	1.392	0.911	0.956	5.315	2.634
-0.159	0.04	-0.304	-0.134	0.026	-0.24	-0.382	-0.35	0.111	0.074	-0.114	0.13	0.174	-0.254	0.215	0.229	0.214	-0.235	-0.277	-0.258	0.185	0.077	0.384	0.594	0.765	0.45	0.556	0.467	0.22	0.548
-0.182	-0.595	0.309	-0.634	-0.128	0.025	-0.247	0.281	0.466	-0.278	0.897	-0.036	0.085	-0.149	-0.408	0.18	0.092	0.377	0.41	0.455	-0.309	-0.064	0.246	-0.231	0.106	-0.039	0.375	0.55	0.43	-0.682
-0.2915	-0.5725	0.3485	-0.1465	-0.2055	0.1895	-0.2245	-0.1285	0.0745	0.0085	-0.2165	-0.1375	0.2515	-0.2695	-0.5115	-0.0845	0.0085	0.1295	-0.5075	-0.4265	-0.5995	0.2365	-0.0515	0.8115	-0.4045	-0.0395	0.1185	-0.1735	0.6525	0.1615
3.6295	3.3585	1.0505	0.3635	-0.5665	0.9915	0.7355	2.0705	0.1735	1.0015	0.0075	-0.2035	0.3195	2.4205	1.8795	0.5185	1.2655	-0.6615	-0.8665	-0.0605	-0.3575	-0.8515	-0.6305	-0.5095	-0.6295	-0.9875	-0.1025	-1.1905	-0.5115	-1.0045
-0.568	-0.525	0.388	-0.159	0.374	-0.11	-0.044	-0.113	-0.309	-0.553	-0.588	-0.426	-0.451	-0.284	-0.224	-0.326	-0.272	0.161	0.382	0.017	0.575	-0.167	0.194	0.724	-0.53	0.324	0.008	0.418	-0.383	-0.242
0.5665	-0.3085	1.2065	-0.2525	-1.4225	0.0415	-0.2215	1.9335	1.4155	0.8945	2.9975	0.5175	1.0775	0.4905	1.2415	0.1355	-0.0055	4.5645	-1.2375	-1.1685	0.9485	-1.4645	0.8335	-0.4405	-0.7525	1.9825	0.4495	0.2135	-0.8365	-0.4085
0.6215	0.4755	0.3305	0.6235	0.5555	0.7945	0.1955	0.7065	0.1625	0.3665	-0.1885	0.2305	0.5665	0.0845	0.2115	-0.0925	0.1845	-0.3265	0.5205	-0.4775	0.2085	0.2595	0.0275	-0.2075	0.0705	0.0235	-0.0505	-1.1075	-0.3225	0.0245
1.003	1.723	0.294	0.026	0.171	1.004	0.02	0.473	0.619	0.927	-0.01	0.684	0.144	0.507	1.052	0.122	0.444	0.92	-0.036	-0.695	-0.035	-0.347	0.132	0.249	-0.461	-0.494	0.371	-0.871	0.159	-0.108
0.734	0.655	0.258	0.717	0.367	0.291	0.491	0.333	0.152	0.126	-0.309	0.28	0.258	-0.006	0.732	0.074	0.381	-0.163	0.153	-0.573	-0.018	0.021	0.619	0.082	-0.427	-0.304	0.372	-0.364	-0.81	-0.701
0.735	0.834	0.053	0.264	0.4	0.69	0.542	0.493	0.93	0.4	0.195	0.515	0.522	0.71	0.319	-0.014	0.153	0.071	0.43	-0.035	-0.645	-0.187	0.09	-0.954	-0.91	-0.313	-0.224	-0.066	0.202	-0.45

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-001 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-050 LUMINAL	9830-0200 LUMINAL	BR95-003 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-036 LUMINAL
0.9545	0.9385	0.4065	0.2695	0.6045	0.0975	0.1815	0.0295	0.4605	-0.1505	-0.1105	-0.0065	0.5825	0.1775	0.6045	-0.0775	-0.1135	-0.0315	0.1905	-0.5185	-0.4525	-0.1315	0.3345	0.1365	-0.4975	-0.2915	-0.0505	-0.3725	-0.5815	-0.8485
0.341	0.048	0.033	-0.143	0.136	0.08	-0.055	0.128	0.066	-0.024	0.14	0.002	-0.031	-0.319	0.822	0.004	-0.121	-0.228	0.525	0.092	-0.109	-0.204	-0.268	-0.642	0.161	-0.226	-0.255	-0.039	-0.27	-0.064
1.183	0.905	0.334	0.407	0.418	1.171	0.796	0.508	0.83	0.378	0.034	0.325	0.781	0.111	0.628	-0.126	0.382	-0.005	-0.09	-0.782	-0.331	0.659	0.2	-0.748	-1.402	-0.534	-0.011	-0.474	-0.576	-0.046
0.1225	0.2565	0.1615	0.1635	0.1885	0.0685	-0.0365	0.2335	0.0405	0.1095	0.1765	0.0315	0.1405	-0.2795	0.0275	-0.0015	0.0065	-0.5815	0.3685	0.0795	0.0065	-0.1055	-0.1765	-0.7355	-0.0215	-0.2275	-0.2095	-0.2675	-0.3785	-0.3785
0.716	0.279	0.669	0.328	0.565	0.486	0.768	0.938	0.34	0.374	-0.16	0.448	0.381	0.221	0.407	0.083	0.235	-0.267	-0.086	-0.807	0.291	-0.045	0.426	-0.642	-0.61	-0.015	0.148	0.008	-0.07	-0.054
1.0465	1.0505	0.4425	0.4645	0.2045	0.1615	0.3955	0.3975	0.8355	0.1555	-0.0515	0.2585	0.2035	0.2525	0.7405	0.1175	0.3795	0.1195	0.3375	-0.2195	0.3655	0.2185	0.8435	0.3305	0.1035	0.0575	0.5585	0.0595	-0.0045	-0.1195
0.6635	1.3035	-0.1825	0.4115	0.1845	0.1635	0.0465	-0.1825	0.3765	0.3075	-0.2175	0.1195	0.7135	0.0595	0.4515	-0.2005	0.4785	-0.1195	0.4515	-0.3715	0.2125	-0.1135	0.6435	-0.0135	0.2155	-0.0845	0.0505	-0.6545	-0.3405	-0.6195
-0.1485	-0.0465	0.5535	0.2485	0.4165	0.1595	0.1245	0.2925	0.1435	0.0395	-0.2935	0.0385	-0.0865	0.0365	0.0415	-0.2405	-0.1105	0.1165	0.2725	-0.3065	-0.1235	0.2555	0.3675	-0.0835	-0.1725	-0.0375	0.3475	0.1705	-0.5345	-0.7515
0.2035	0.5375	0.3075	-0.4175	0.1075	0.8345	-0.1975	-0.0365	0.1345	-0.1215	-0.3865	0.2255	0.1755	-0.4505	0.5135	-0.1095	0.1645	-0.3075	0.1685	-0.6495	-0.3755	-0.0985	0.3575	-0.5395	-0.1055	-0.2685	0.0435	-0.3205	-0.4855	-0.1945
0.6345	1.2195	-1.1305	-0.2575	-0.6205	0.4155	-0.4155	-0.3695	0.4585	0.0205	0.2345	-0.9235	0.7135	0.5005	0.0725	-0.0555	0.0705	5.8115	-0.6835	0.5165	0.7815	-0.8195	0.1195	-0.2625	0.4245	-0.0505	0.1605	-0.5585	-0.2705	-0.6465
0.0325	0.1085	0.3955	0.0025	0.4575	0.2325	0.2725	0.3595	0.1585	0.3315	0.3085	0.2975	-0.2855	0.0355	0.0635	-0.3915	0.0645	0.1685	-0.1705	0.3025	-0.1135	0.1355	-0.1335	-0.3735	-0.7045	-0.0135	0.6645	0.9815	0.4715	-0.0965
0.1155	0.5425	1.3355	-0.0395	0.1915	0.3085	-0.0035	-0.7715	-0.4255	-0.0245	-0.4265	-0.4035	-0.4195	-0.0385	-0.9155	-0.0185	-0.3715	-0.9105	0.9865	0.0295	-0.1215	-0.4925	-0.6615	-1.1625	-0.5595	-1.2135	-0.8715	-1.4995	-0.8635	-0.2255
-0.632	-0.744	-0.106	-0.189	-0.306	-0.279	0.106	-0.181	0.256	0.082	-0.267	0	-0.616	-0.4	-0.254	-0.069	-0.117	-0.423	0.618	0.191	-0.266	0.279	0.574	-0.925	-1.136	-0.365	0.224	-0.162	-0.117	-0.681
-0.935	-1.207	-1.641	-1.622	-2.124	-1.405	-1.602	-2.458	-1.097	-1.608	-1.396	-0.914	-0.826	-2.282	-0.394	-1.337	-0.24	-1.233	0.073	-0.815	-0.519	-1.139	-0.081	-1.999	-1.033	-1.713	-1.144	-0.206	-1.485	-0.802
0.049	-0.011	0.333	0.181	0	0.534	-0.071	-0.14	-0.321	0.031	-0.137	-0.017	0.402	-0.221	0.064	0.228	0.543	-0.39	0.233	-0.396	0	0.3	0.155	-0.495	0.432	0.095	0.643	0.003	0.027	-0.351
0.932	0.574	1.549	0.97	0.247	1	1.333	1.335	1.037	0.143	0.777	0.615	-0.048	1.155	0.38	1.109	-0.005	0.053	-1.849	-1.759	0.28	-0.653	-1.661	-1.689	-1.914	-2.013	-1.038	-2.441	-1.323	-0.037
-0.1205	-0.8755	0.0255	-0.1095	-0.1385	-0.2365	-0.2235	0.0625	0.1595	0.2355	0.4815	-0.2035	-0.1925	-0.0105	-0.1555	-0.1425	-0.2435	-0.3085	-0.8715	-0.4345	-0.5605	-0.5195	-0.3605	-0.5645	-0.4065	-0.5135	-0.0475	-0.2255	0.0845	0.3555
-0.0815	-0.0685	-0.0895	-0.0725	-0.3105	-0.0145	-0.8485	0.3905	0.1455	-0.3665	0.1585	0.0045	-0.1645	-0.1165	0.2585	-0.6085	-0.2355	-0.3235	0.4145	-0.0675	0.0425	0.2625	-0.2775	-0.1255	-0.9895	-0.2385	0.2245	0.0085	0.2725	-0.2205
-1.102	-0.815	-0.47	0.66	-0.083	-0.725	-0.282	-0.681	-0.101	-0.304	-0.202	-0.498	-0.384	-0.565	-0.189	0.029	-0.355	-0.604	-0.73	-0.53	0.173	0.097	-0.183	0.126	0.298	-0.434	0.023	0.322	-0.182	-0.313
-1.55	-1.268	-0.536	-0.642	0.456	-0.176	-0.325	-0.086	-0.121	-0.021	0.289	-0.5	-0.531	-1.817	-0.491	0.927	0.622	0.741	-1.967	0.089	0.834	0.441	1.548	0.887	1.036	0.96	0.896	1.454	0.913	0.388
-0.761	-0.494	-0.72	-0.241	0.702	-0.685	0.116	0.178	0.271	0.733	0.239	-0.215	-0.393	-0.548	-0.071	0.659	0.378	0.355	-1.578	-0.416	-0.054	0.437	0.787	0.449	0.181	0.073	0.305	0.396	0.505	0
-0.3095	-0.6835	0.0155	-1.6845	-0.8865	-0.2745	-0.8045	0.1925	0.8885	0.2335	0.1445	1.3215	0.3395	0.2125	0.5815	-1.2775	-0.4845	-2.0525	1.5585	-1.6305	-0.1695	0.2045	-1.5555	-1.4935	1.0505	-2.6315	-1.0675	-0.6735	-1.3265	-0.4955
-0.2725	-0.4025	-0.1555	-0.4795	-0.6155	-0.1875	-0.8205	-0.5945	-0.4085	-0.1285	-0.2875	-0.0475	-0.1155	-0.4745	0.0735	-0.0905	0.2995	-0.1645	-0.4505	-0.1655	-0.2955	-0.6105	-0.2555	-0.3575	-0.4595	-0.2935	-0.1485	-0.1795	0.4065	-0.0135
0.584	0.519	0.443	0.021	0.156	0.414	0.802	1.131	0.531	0.13	0.47	1.069	0.818	0.441	0.499	0.285	0.896	1.522	0.311	0.76	0.894	1.358	-0.016	0.115	-0.608	0.483	1.434	1.2	0.24	0.502
-0.8755	-0.8945	-0.0005	0.4625	0.5475	-0.4015	0.0285	-0.3545	-0.6345	0.1515	-0.1765	0.0625	-0.3475	-0.5055	-0.3035	-0.1015	-0.1415	0.0745	-0.4345	-0.6305	0.0535	-0.0605	-0.0395	0.7475	0.3495	0.2545	0.4705	0.3125	-0.4275	-0.3325
-0.546	-0.808	0.284	0.051	-0.025	-0.309	0	-0.217	-0.278	-0.126	0.143	-0.426	0.218	0.08	-0.238	-0.015	-0.723	-0.681	0.171	0.2	0.004	0.741	0.046	0.547	-0.633	0.429	0.095	0.795	-0.262	-0.453
-0.1945	-0.5695	-0.0345	0.3825	-0.1655	0.0925	1.1065	0.1075	0.3925	0.2865	-0.0875	0.0405	0.2935	0.2585	0.2045	0.2555	0.2755	-0.9155	-0.4635	0.0055	0.2105	0.2725	0.4375	1.1445	1.1405	0.2585	-0.0915	-0.0485	0.5175	0.6035
-0.627	-0.483	0.953	3.475	-0.159	0.28	-0.15	-0.015	-0.093	0.632	-0.263	0.039	-0.023	-0.445	0.584	0.469	-0.044	0.254	-0.402	-0.545	-0.262	0.143	0.335	-0.731	1.291	0.041	-0.435	0.196	0.269	2.71
0.328	0.16	-0.33	0.662	-0.654	0.087	0.217	-0.194	-0.065	0.611	0.798	0.148	-0.035	0.937	0.017	1.806	-0.407	-1.738	-1.258	-0.654	-0.884	-0.012	1.411	0.486	-0.183	-0.317	0.038	0.487	0.693	0.871
0.0285	-0.0645	0.6005	0.1945	-0.0135	-0.0855	0.7945	0.6625	0.5305	0.0585	0.6355	-0.2355	-0.0245	0.6735	0.7295	0.7945	0.3065	-2.0595	-0.5565	-1.2185	-0.4475	0.3285	-0.2125	-1.4755	-0.7685	-0.2285	0.4725	-0.3725	-0.2705	-0.7265
-0.219	-0.377	0.138	-0.855	0.127	-0.783	-0.459	-0.068	-0.389	-0.363	0.591	-0.424	-0.688	-0.083	-0.013	0.105	0.249	-0.395	-0.316	-0.105	-0.163	-0.55	-0.157	-1.304	0.192	-0.188	-0.173	0.004	1.342	0.609
-1.1135	-0.9705	-0.8495	-0.7415	-0.5875	-1.2175	-1.5365	-0.2505	0.4315	0.5135	0.6205	-1.3685	0.2775	-0.8565	0.4245	-0.6405	-0.9205	-0.0675	-0.5185	-0.3815	-1.3265	0.2765	0.3815	-2.1425	-0.0155	-0.7745	-0.0595	-0.3395	0.8695	-0.0815
0.564	0.533	0.449	-0.058	-0.038	-0.359	-0.277	0.761	-0.682	0.422	-0.04	0.775	0.161	-0.182	0.361	-0.625	-0.479	0.673	-0.5	-0.593	-0.526	-0.57	-0.753	-0.987	0.042	-0.54	-0.414	-0.912	-0.754	-0.775
0.127	0.233	0.179	-0.111	0.013	0.222	0.034	-0.131	0.002	-0.002	0.506	-0.564	-0.219	-0.266	0.037	-0.397	0.306	-0.215	0.345	0.484	-0.25	0.642	0.365	-0.25	-0.013	-0.519	-0.542	-0.568	-0.363	-0.095
-0.8355	-0.6125	0.5625	0.3415	-0.0795	-0.6635	-0.7455	-0.2945	-0.5215	-0.2795	-0.6005	-0.2325	-0.3475	-0.3275	-0.4115	-0.1845	-0.8275	-0.4695	0.4315	-1.2415	-0.5295	-0.6915	-0.4725	0.3555	-1.1145	-0.5725	-0.2415	-0.1865	-0.7955	-0.3485
-0.2615	0.3285	-0.4145	-0.5175	-0.3785	-0.1705	-0.3555	-0.0555	-0.1225	-0.1165	-0.0525	-0.0055	0.0595	-0.1425	0.0155	0.0665	0.5205	-0.2875	-0.4205	-0.1485	-0.0635	-0.3135	-0.1355	-0.1015	0.1435	0.0335	-0.5845	-0.7685	0.8395	0.6555
-0.535	0.213	0.133	0.072	0.176	0	0.216	0.163	-0.139	-0.024	-0.401	0.035	0.164	-0.789	-0.211	-0.201	-0.331	-0.378	0.019	-0.348	-0.11	0.184	0.165	0.128	-0.234	0	0.077	0.51	-0.367	0.036
-0.0225	0.9755	-0.3835	0.6435	0.0065	1.9645	0.1575	0.7285	0.6815	0.7835	0.8065	0.1725	-0.3755	-0.2315	-0.0625	2.2615	1.0235	0.6195	1.4585	1.8645	0.9035	0.0775	0.6765	0.5925	2.4415	2.3835	0.5085	0.5875	0.8465	1.3945
0.526	-1.18	0.119	1.559	0.829	0.773	1.955	1.551	1.08	0.9	1.062	-0.791	1.623	1.454	0.891	1.331	0.201	-1.709	-0.879	-1.128	0.423	1.977	0.901	-0.986	-0.919	-0.602	-0.142	0.674	1.821	0.577
-0.4455	0.1785	-0.0725	-0.3835	0.2165	0.5065	-0.0545	-0.1745	-0.1945	0.0565	0.1395	-0.5005	-0.7055	0.0225	-0.0955	0.1595	0.2765	-0.3825	0.3235	-0.3005	-0.0525	0.0005	-0.1375	0.9035	-0.0005	-1.0095	0.0095	-0.4445	0.5885	0.7785
-0.2255	-0.8545	1.0585	0.6185	0.0045	-0.1565	0.5525	1.0415	0.9505	-0.0825	-0.0445	0.1785	-0.2735	0.6925	-0.4775	-0.5925	-0.3615	-0.4755	1.1135	0.3235	-0.0705	1.0085	0.1605	2.0055	-1.1855	0.5585	0.2825	0.7925	-0.0625	-0.1915
0.667	0.815	-1.088	0.148	0.175	-1.083	1.35	2.259	0.188	-0.709	0.355	-1.138	1.039	0.586	1.283	1.902	0.919	-1.06	1.206	1.641	2.305	-1.292	1.36	1.079	-0.685	1.218	2.449	2.34	0.134	0.507
0.7735	0.4675	-0.7915	-0.6825	-1.3945	0.3165	-0.4955	0.8645	0.5575	-0.0105	1.0455	-0.2205	0.1335	0.5155	0.8815	0.1285	0.1175	-0.4135	0.6045	0.0745	-0.8365	-1.5115	-0.6385	-1.7085	-0.8295	-0.7275	-0.6015	-1.8975	-0.5635	-0.0505
3.557	3.813	1.845	1.344	1.23	1.351	1.77	3.214	0.543	1.36	0.907	0.115	0.531	3.452	2.918	1.692	1.797	-1.876	-1.648	-1.097	-1.214	-1.902	-1.395	-1.793	-1.896	-1.719	0.536	-1.018	-1.689	-0.399
-0.053	-0.194	-0.559	0.505	0.089	-0.757	-0.874	0.593	0.004	0.448	0.47	-0.021	-0.023	0.236	0.344	-0.111	-0.174	0.243	-0.143	0.549	0.544	-0.473	-0.075	0.823	0.261	-0.153	0.499	0.761	0.07	0.16
0.295	0.233	0.469	0.837	0.606	0.271	-0.087	-0.631	0.739	1.107	0.728	-0.141	1.002	-0.054	-0.412	0.233	-0.061	-0.528	-0.673	0.786	0.137	1.05	0.185	-0.411	0.007	-0.431	0.512	-0.617	0.565	1.218
0.9475	0.1195	0.2895	-0.3995	0.7235	0.6595	1.0225	1.4655	0.5755	0.6405	0.4645	-0.1985	0.6385	0.7005	0.5965	0.0185	-0.2165	-1.4555	-1.6985	-0.9555	-1.1465	-0.8755	-0.2515	0.9855	-1.1915	-1.4025	-0.1105	-1.2755	0.2555	-0.2205
-0.3745	-1.1495	2.2055	0.6645	-0.0995	0.7265	0.9315	1.5545	0.5505	-0.0355	0.9215	0.8565	2.0835	0.8505	0.0455	-0.3515	1.1315	0.5895	1.9995	0.9525	1.1265	1.4005	0.0415	2.8075	-0.2065	1.1335	-0.2705	-0.3575	0.2355	0.3295
-0.436	-0.448	0.072	0.018	0.351	-0.348	-0.273	-0.175	-0.439	-0.193	-0.563	-0.883	-0.225	-0.61	-0.707	-0.322	-0.609	-0.188	0.112	-0.414	-0.411	-0.213	-0.485	-0.28	-0.118	-0.757	-0.404	-0.811	-0.71	-0.661
-0.07	0.21	0.744	-0.553	0.261	0.741	0.722	0.809	-0.256	-0.356	0.049	-0.356	-0.344	-0.095	1.044	-0.015	1.213	0.025	-1.018	0.275	-0.369	0.532	-0.238	1.475	1.366	0.99	0.554	0.555	0.597	-0.188
-0.0245	0.3065	-0.1305	0.3985	0.1045	-0.5495	-0.0835	-0.3175	-0.0935	0.4975	-0.2015	-0.0615	0.1215	-0.0725	0.0915	-0.0235	0.0765	-0.0695	0.3725	-0.4735	-0.0885	-0.1695	0.3805	0.1775	0.1155	-0.1125	-0.0585	-0.5595	-0.0655	-0.1225
-0.176	-0.074	-0.318	0.615	-0.948	0.151	0.455	-1.057	0.405	-0.149	-0.242	-0.523	0.366	-0.134	-0.33	-0.961	-0.783	-0.038	-1.235	-0.67	-1.115	-1.307	-0.69	-0.363	-0.013	-0.472	-0.627	0.113	-0.624	-0.691
0.448	0.818	0.55	-0.361	0.515	-0.004	-0.468	0.147	0.014	-0.245	-0.317	-0.024	-0.251	-0.144	0.1	-0.048	0.021	-0.12	0.515	0.395	0.196	-0.351	0.041	0.166	-0.111	-0.388	0.477	-0.258	-0.583	-0.315
0.2405	-0.2185	0.7315	0.4955	0.2575	0.5955	0.4475	0.6145	0.0265	-0.4165	0.0285	0.1165	0.3325	0.2235	0.0105	-0.1995	-0.1185	0.4215	0.2735	0.0085	0.3355	0.5375	-0.1095	0.9685	-1.0915	-0.1205	-0.2495	-0.0385	0.0465	0.2485
0.0675	-0.0515	0.0455	-0.0885	0.5035	-0.4635	-0.2345	-0.1755	-0.1125	0.0455	-0.0705	0.1595	-0.1215	-0.0005	0.0675	0.2025	0.1975	0.4985	0.0195	-0.2285	-0.0605	-0.3405	0.0385	-0.2985	0.8265	-0.0175	0.3595	0.1365	-0.0135	0.0125
0.2045	1.2635	1.6545	1.0435	0.4305	0.2635	-0.6935	-0.1085	-0.5785	0.5335	-0.5685	0.3305	0.0185	-0.1555	-0.3165	-0.0055	-0.0665	1.1305	-0.3315	-1.4545	-0.0335	-0.7875	-1.1625	-0.8435	0.4215	-1.0615	0.2735	-0.5525	0.1165	0.2275
-0.695	-0.403	1.041	-0.072	0.268	-1.195	0.743	0.931	1.237	0.365	1.387	1.76	-0.993	-0.384	0.576	1.442	1.482	2.81	1.155	1.848	-0.028	1.499	2.155	0.436	1.477	1.657	0.909	1.46	-0.904	-0.77
-0.5485	-0.4485	-0.7065	0.1995	-0.1895	-0.4275	0.4235	0.4385	0.0275	0.1845	2.5505	0.2375	0.8815	-0.1235	-0.0505	0.6825	1.0085	-0.0355	1.1795	1.7865	1.1155	0.3145	1.4145	0.0065	1.2535	2.2185	0.6355	1.1405	0.8125	0.1435
0.068	-0.889	2.006	0.594	-0.862	-0.597	2.702	0.463	1.931	1.278	-0.089	2.509	0.342	-0.109	0.771	-0.381	1.264	5.487	-0.371	-1.181	1.9	-1.335	2.965	-3.635	-0.839	-0.968	0.156	0.458	-1.524	-0.305
-0.0165	0.5955	-1.0145	-0.6565	-0.5805	-0.5665	0.7095	0.0165	1.2505	-0.5045	0.2815	0.8245	0.7205	0.2775	-0.3745	0.8485	-1.1105	0.6795	3.7025	2.7105	0.0845	0.6145	1.5575	0.7995	-0.1365	0.5355	1.0725	1.6895	0.2475	0.3355
-0.5305	-0.3705	-0.3815	0.1725	0.4215	0.1655	-0.4685	0.9225	-0.2485	0.3325	1.2445	-1.3085	0.4175	-0.1305	0.1975	-0.7845	-0.9095	-2.0955	-1.6045	-0.6045	-1.5115	-0.1605	0.4925	0.9425	-0.7135	0.0425	0.8375	0.8665	0.7125	1.8305
0.3245	0.3065	0.0245	0.5585	0.7145	0.0975	0.2595	0.2385	-0.6645	-0.4085	-0.5495	-0.1735	-0.3575	-0.1055	0.1295	1.3165	0.9855	0.6485	-0.7005	-0.4855	0.3155	0.7795	-0.1775	1.2625	2.0065	0.3755	0.5275	0.8725	0.3475	-0.4425
-0.168	-0.044	-0.325	0.465	-0.113	0.114	0.117	0.204	-0.074	-0.162	0.069	-0.508	-0.881	0.183	0.119	-0.189	-0.1	-0.616	0.817	0.689	-0.196	-0.227	0.288	0.913	-0.553	0.028	-0.183	0.257	0.041	-0.654
-0.052	-0.366	0.326	-0.457	-0.476	-0.321	-0.385	-0.137	-0.106	-0.419	-0.373	-0.232	0.051	-0.465	0.002	-0.685	-0.406	-0.062	-0.108	-0.332	-1.002	-0.08	-0.379	-0.087	-1.252	-0.858	-0.116	0.19	-0.312	0.063
-0.528	0.548	1.635	0.186	-0.242	1.928	0.986	0.158	1.575	0.435	1.41	0.51	1.732	0.944	0.626	-0.709	0.685	0.155	2.358	0.516	1.297	2.828	2.654	-0.799	-0.185	-0.926	2.416	2.541	0.06	3.453
0.0775	0.5785	0.4975	0.0485	-0.3505	0.2485	-0.0035	-0.1275	0.4935	-0.4815	0.4205	-0.0845	0.0905	0.1605	-0.2735	0.3465	-0.2315	0.7995	-1.0425	-0.4545	0.4145	-0.4385	0.6595	-0.1935	0.2945	-0.6775	0.3485	0.0035	-0.0845	-0.1075
0.019	-0.026	-0.251	-0.417	0.067	0.312	-0.178	1.463	1.484	0.545	-0.059	1.411	0.584	-0.06	0.109	-0.459	-0.194	-0.04	0.28	-0.073	0.172	0.05	0.059	4.834	3.745	-0.199	-0.391	0.004	0.019	-0.039
-0.028	0.318	-0.748	-0.811	-0.525	-0.773	-1.077	-0.72	-0.411	-1.439	0.403	-0.596	-0.158	-0.356	-0.993	-1.038	0.014	0.088	-0.721	-0.255	-0.173	-0.778	0.188	-1.208	0.23	-0.444	0.003	-0.109	1.041	-0.671
-0.6325	-1.5025	1.3995	-1.7395	-0.2605	1.1055	2.4335	2.6545	1.0985	-0.3425	3.7445	1.1625	1.4925	0.0735	0.2395	1.0585	0.6545	-0.2245	4.2025	1.6175	1.2515	1.3735	1.3595	2.9775	2.0835	3.4285	2.5655	2.5435	0.7475	1.8035
-0.388	-1.341	3.094	2.527	1.166	1.281	1.726	1.264	1.416	1.309	0.12	0.583	2.24	1.184	1.073	0.693	0.995	3.266	-1.53	-1.979	-1.108	-0.846	1.868	0.026	0.325	-1.564	0.869	-1.399	0.103	-0.697
0.1225	0.6535	0.3585	-0.2605	-0.4025	0.0095	-0.4755	-0.1905	0.2855	0.1745	-0.0145	0.0445	0.3585	0.1425	0.1925	0.3645	0.1135	-0.5285	-0.5475	-0.0435	0.0395	-0.8165	0.1075	-0.5055	0.1125	-0.1485	0.0235	-0.5445	-0.3075	-0.5935
0.6015	0.2535	-0.8935	-0.9225	-0.3265	0.0645	-1.1395	-0.2315	0.3495	-0.8485	-0.8545	-1.1785	0.3055	-1.0555	0.7575	-0.3595	-0.4805	-1.0715	-1.2775	-1.3665	-1.0245	-0.3995	0.6295	-1.5805	-0.3365	-0.9835	-0.4165	-0.1205	0.5385	-0.5475
0.037	0.068	2.237	-0.797	-0.328	0.204	0.251	-0.417	2.124	0.495	-0.405	0.492	3.029	0.014	-0.193	-0.284	2.657	0.673	-0.354	0.049	-0.084	-0.392	3.376	0.564	-0.161	0.303	1.35	1.791	-0.824	-0.086
-1.1055	-0.5535	-0.3355	-0.2455	-1.0185	-1.2535	-0.9605	-0.0005	-0.1185	-0.2555	1.5725	-1.3135	-0.5095	-0.2675	1.0225	0.2845	0.6735	-0.4355	1.3595	0.9475	0.4405	-0.5425	0.6195	0.9675	0.1445	0.6395	0.5565	0.8565	1.2405	0.8315

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-724: LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR98-001(LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-050(LUMINAL	9830-0200 LUMINAL	BR95-003: LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-038: LUMINAL
-0.2465	-0.0805	2.2965	1.5385	-1.9125	0.2385	1.2785	2.3455	1.6875	1.7915	-0.5445	4.2345	2.5165	1.5135	0.1215	1.2355	0.7365	3.6575	-0.4095	0.3845	4.7735	4.2585	3.9285	-2.2315	-0.6475	0.0805	1.8925	-0.8735	-2.1545	-0.3205
-0.3485	0.4455	0.4405	-0.7515	-0.7275	2.2425	-0.0755	0.9925	2.8675	-0.0455	1.3885	1.3115	1.7675	0.0855	0.3275	0.0015	0.0145	1.6855	2.5195	0.8365	1.2815	0.6575	3.5365	0.5815	-0.5085	0.9875	1.6885	2.5685	1.2285	-1.1815
-0.294	-0.51	-0.444	-0.406	-0.591	0.012	-0.007	0.216	0.347	-0.335	0.434	-0.248	0.035	-0.258	-0.374	-0.724	-0.555	-0.383	-0.067	-0.017	0.07	-0.137	0.283	-0.505	-0.79	-0.425	-0.307	-0.249	-0.006	-0.195
0.855	0.621	0.459	-0.23	-0.056	0.014	-0.108	0.146	0.221	0.427	0.143	-0.109	0.428	0.083	0.413	0.4	0.249	0.214	-0.952	-0.615	-0.378	-0.216	-0.575	-1.145	-0.089	-0.298	-0.014	-0.895	-0.557	0.619
0.164	0.847	0.088	-0.15	-0.282	0.455	-0.275	-0.041	-0.062	-0.252	0.019	-0.566	0.004	-0.19	-0.429	-0.818	-0.355	0.209	-0.146	0.115	0.795	0.228	-0.498	-0.236	-0.706	-0.467	-0.084	-0.045	-0.407	0.259
0.183	-0.249	-0.044	0.169	0.037	-0.073	0.106	0.332	0.047	0.02	0.028	0.164	0.062	-0.087	0.03	0.177	-0.048	-0.12	-0.279	1.072	0.157	0.008	0.239	0.363	0.778	0.021	0.253	1.596	-0.318	0.033
-0.037	-0.245	-0.022	-0.24	-0.179	-0.219	-0.269	0.019	-0.267	-0.264	0.921	-0.228	-0.1	-0.082	-0.327	0.126	-0.142	-0.239	-0.232	-0.25	-0.248	-0.235	-0.39	0.051	-0.312	-0.415	-0.009	-0.138	0.18	-0.142
-0.153	0.017	-0.405	-0.658	-0.517	0.09	-0.272	-0.126	-0.023	-0.363	-0.612	-0.159	-0.179	-0.756	-0.197	-0.283	-0.241	0.179	-0.258	-0.52	-0.055	-0.139	-0.163	-0.006	-0.326	-0.426	0.058	-0.303	-0.387	-0.199
-0.6365	-0.5745	-0.0235	-0.6065	-0.8125	0.2515	-0.3795	0.0775	-0.3615	-0.6925	-0.3885	-0.2555	0.0455	-0.5525	0.0965	-0.5115	0.6285	0.2945	-0.1255	-0.1285	0.0875	0.0745	-0.1055	-0.0745	-0.3725	0.0355	-0.0885	-0.5035	-0.2725	-0.1415
-0.524	-0.951	-0.351	0.28	-0.035	-0.573	0.181	-0.178	-0.368	-0.416	-0.56	-0.474	-0.322	-0.452	-0.444	-0.443	-0.53	-0.158	0.222	-0.211	0.299	0.178	-0.135	0.289	-0.47	-0.207	-0.421	0.118	-0.385	-0.447
0.0365	-0.6935	0.4625	-0.2475	0.3265	-0.8845	0.2705	0.6885	0.4885	0.5955	0.4955	0.2035	0.1625	0.3865	0.0165	-0.4225	0.3065	-0.1445	0.6075	-0.9985	-0.6305	0.4215	0.1715	-0.3175	-1.7195	-1.5325	0.0835	-0.3445	0.5465	0.2565
-0.4405	1.6745	0.1495	-0.8895	0.0015	0.2295	-1.1595	-0.0315	0.6415	-0.1295	-0.0965	-0.2175	-0.4755	-0.9385	-0.3465	-0.8995	-0.8455	-0.5555	-0.3075	-0.7975	-0.0015	-1.0395	-0.1605	-0.8385	-0.7815	-1.0315	-0.5235	-0.4725	-0.4785	-0.6315
0.2785	-0.4055	0.1815	-0.0515	-0.0495	0.1055	-0.0285	-0.3165	-0.2395	-0.0045	-0.1565	0.2575	0.2585	0.1055	0.1035	-0.0675	0.5265	0.6725	1.2355	0.7755	-0.0035	0.1925	0.6945	-0.2565	1.6525	1.7685	-0.1255	-0.5525	-0.3215	-0.4165
-0.5635	-0.3275	0.5475	0.9525	-0.2515	-1.3135	0.0415	-0.1575	-0.7455	-0.5125	-0.8695	-0.4875	-0.5245	-0.3895	0.2115	0.0825	0.7235	0.6255	-0.0645	-0.3455	-0.4825	-0.0475	-0.0155	0.6245	0.5345	-0.3785	0.4705	-0.4805	-0.0085	-0.5155
0.428	0.827	0.111	0.328	0.168	-0.196	0.129	-0.01	0.946	0.295	0.406	-1.358	-1.371	0.4	0.4	-0.977	-0.538	-2.862	0.492	-2.266	-0.407	1.78	1.006	0.361	0.468	-1.101	0.525	0.535	-0.876	-0.942
0.5055	0.0465	2.0785	-0.2245	-0.2835	0.0455	0.4005	0.7965	0.2725	-0.1595	0.6275	1.6735	-0.8705	0.6795	0.4555	-1.2145	0.0155	2.6885	-1.0355	1.7025	-0.1085	0.7965	-2.0325	0.3845	-1.8245	-2.0685	-0.0235	-0.7325	1.3325	1.2435
-1.496	-0.234	-1.318	-1.552	-1.095	-1.225	-0.878	-1.534	-1.373	-1.624	-1.327	-1.061	-0.992	-1.814	-0.139	-0.045	0.595	-0.989	0.113	-0.129	-0.669	-0.9	-0.167	-1.019	-0.352	-1.272	-0.734	-0.568	-0.576	-0.94
0.1055	-0.5685	0.9485	-0.0095	0.4445	0.9165	-0.0265	0.6325	0.4995	-0.0075	0.0855	-0.0405	0.4295	-0.1155	0.1865	-0.5375	-0.3065	-0.2895	0.2075	-0.3285	-0.3445	0.2335	0.2775	-0.7445	-0.9075	-0.2595	-0.2875	-0.7115	-0.2105	-0.1095
-0.3865	-0.4715	0.0805	0.3305	0.1395	-0.0025	-0.1995	0.0895	-0.3415	-0.4845	-0.0455	-0.3345	-0.1785	0.0445	0.2335	-0.0585	0.2755	0.3415	-0.0245	0.7825	0.4295	0.2255	0.0025	0.1385	0.8445	0.3175	0.8275	0.3395	0.5885	0.7375
0.184	-0.084	0.288	-0.231	-0.777	0.335	-0.289	1.032	0.891	0.289	0.822	0.897	-0.431	0.236	1.005	0.165	0.026	0.171	0.879	0.504	-0.301	0.187	-0.195	-0.725	-0.378	0.683	0.28	0.174	-0.004	0.299
-0.579	-0.131	-0.55	-0.388	-0.349	-0.466	0.215	0.011	0.091	-0.04	-0.055	-0.142	-0.216	-0.327	-0.339	-0.004	0.186	0.269	0.061	0.106	-0.03	0.063	-0.147	0.556	-0.2	0.163	0.121	-0.037	0.417	0.429
-1.572	-2.18	0.215	-1.745	-1.585	-1.005	-1.075	-0.555	-0.2	-0.825	0.697	-0.985	-0.605	-1.118	-0.705	-1.455	-1.205	-0.379	-0.625	-0.267	-0.945	0.275	-0.325	-2.025	-1.635	-1.845	-1.225	-0.575	0.075	-0.155
-1.138	-0.842	-0.233	0.737	-0.308	0.732	-0.452	0.178	0.388	0.337	-0.04	0.192	-0.026	-0.456	-0.176	-0.133	-0.123	0.078	-0.346	0.181	-0.137	0.192	-0.18	0.197	-0.082	0.59	-0.158	0.019	0.187	0
-0.82	-0.553	-1.333	-0.537	-1.292	0.988	-0.429	-0.103	0.703	0.643	0.165	0.241	0.948	0.674	-0.584	0.797	0.657	2.384	1.718	0.603	1.174	0.138	2.01	-1.184	1.196	0.615	-0.619	0.031	1.428	-0.092
0.0405	-0.2255	0.2475	0.0545	0.8335	0.4345	0.9495	1.1075	0.6495	0.0025	0.7565	1.7425	0.3075	0.2195	0.2895	-0.3995	-0.2155	0.1985	-0.1685	0.1025	-0.3595	0.6475	0.0035	-0.8705	-1.1775	-0.2285	-0.0815	-0.0145	0.7755	-0.0175
-0.4005	-0.8435	-0.3745	-0.9915	-0.8515	-0.5745	-0.6825	-0.4875	-0.2365	-0.4575	-0.5345	-0.1785	0.0555	-0.5135	-0.0755	-0.2965	-0.5135	-0.5075	-0.2165	-0.0255	-0.3805	-0.0625	-0.0215	-0.7965	-0.6805	-0.4095	-0.5585	-0.1515	-0.1365	-1.0735
0.1035	0.1505	0.7045	0.1925	0.1545	0.5085	0.7085	-0.1255	0.0935	0.3325	0.8475	0.9155	0.3755	0.9325	0.3885	0.0205	0.1685	-0.4075	3.7465	3.8075	2.5655	-0.0315	-0.3535	-0.4025	2.0565	3.6315	0.0195	-0.4365	-0.1955	0.3155
-0.0885	0.0905	0.2205	0.0015	-0.8745	0.3535	-0.1205	0.0415	-0.1695	0.1275	-0.2235	-0.5495	0.5895	-0.1695	0.2375	-0.3275	-0.4285	-0.5955	0.8045	-0.1575	0.2665	-0.1805	-0.0015	-0.5325	-0.3495	-0.0265	0.3105	0.5205	-0.9035	-0.7735
-0.4305	0.4505	0.2805	0.4025	0.6925	0.0005	0.3695	0.4905	0.2135	0.0725	0.1835	-0.2565	-0.0985	-0.3225	-0.5395	-0.1095	-0.5045	-0.3995	0.2165	0.0185	-0.5435	0.3215	-0.1765	0.2175	-0.9795	-0.6235	-0.7345	-0.0355	-0.7415	-0.5085
0.0395	-0.1075	0.5745	0.6775	0.2385	-0.2135	0.2615	0.2205	-0.0755	-0.5545	-0.0865	-0.0545	0.0585	0.1375	0.4405	0.0975	0.2975	-0.4765	0.3295	-0.4675	-0.1155	0.1095	-0.1265	-0.1165	-0.9345	-0.1005	0.5365	0.4535	0.1435	0.4385
-1.0795	-1.3555	-0.7185	-0.4195	-1.0365	0.7425	-0.2475	0.1875	-0.6215	-0.4705	-0.2385	-0.1345	-0.0135	-0.9475	-0.4305	-1.3525	-0.8745	-0.3525	-0.8015	-0.5545	-0.9225	0.2885	-0.4775	0.5245	-1.4515	-0.5195	-0.6735	0.0165	0.0965	-0.4125
0.6885	0.5135	0.1355	-1.2315	2.1185	-1.0855	1.4175	1.6985	1.6125	0.4145	2.1955	1.6655	0.8175	1.6845	0.4845	1.2665	1.3605	2.7185	-1.7125	-0.6255	2.5085	2.5005	0.4845	2.4095	3.0925	3.4115	3.3005	3.4675	4.2545	2.6105
-0.0965	0.0405	-0.2765	-0.5195	-0.1425	-0.0385	-0.0715	0.0795	0.0035	-0.0595	0.0475	0.1105	-0.1945	-0.1885	0.2605	0.0685	0.0295	-0.0245	-0.2875	-0.8065	-0.3005	0.2825	0.3395	-0.9005	-0.6095	0.1285	-0.1215	0.1795	0.2765	-0.3935
-0.3375	-0.2345	-0.6435	-0.9115	-0.7425	-0.5975	-0.7795	-1.1915	-0.3405	-0.8115	-0.7815	-0.7285	-0.3865	-0.6685	-0.5085	-0.1465	-0.0625	-0.3175	-0.1955	-0.2585	-0.2935	-0.6455	-0.3375	-0.2425	-0.2075	-0.5685	-0.2325	-0.2285	-0.1625	-0.6965
-0.7855	-1.6295	-0.9195	-1.1165	-1.2465	-1.2585	-1.2435	-1.1265	-0.9705	-1.2995	-1.3915	-0.6525	-1.0905	-1.9705	-0.8275	-1.3375	0.1425	0.8745	-0.3975	0.0435	-0.4065	-0.8635	-0.2885	-0.6425	-1.6485	-1.4585	-1.0965	-1.0115	-0.2285	-0.9145
-0.369	-0.453	-0.797	-0.493	-0.725	-0.376	-0.724	-0.829	-0.478	0.298	-0.003	1.381	-0.114	-0.18	-0.071	0.085	-0.322	0.742	1.821	0.886	0.063	-0.184	-0.024	-0.647	0.347	-0.223	-0.364	-0.737	0.079	-0.332
-0.5015	-0.3235	-0.0465	-0.6085	-1.2925	-0.8105	-0.6255	-0.0625	-0.0235	0.1055	0.1005	-0.2415	-0.2765	-0.0965	0.0035	-0.2255	-0.6715	-0.0035	-0.9845	0.5725	-0.1125	-0.1845	-0.2715	-0.3865	0.1285	-0.2155	-0.2845	-0.4735	0.2265	-0.1795
-0.0045	0.6885	0.0045	0.2135	-0.2705	-0.0685	-0.1225	0.0055	0.1405	-0.4875	0.0375	-0.8385	-0.1995	-0.5235	-0.5455	-1.3085	-0.8565	0.4075	0.2965	-0.0645	0.4845	0.6335	-0.6265	-0.2585	-1.7025	-0.9525	-0.6695	-0.2405	-0.6785	-0.2025
-0.5665	-0.2925	-0.1015	-0.2495	-0.2275	-0.3095	-0.2065	-0.3625	-0.6325	-0.4875	-0.4575	0.4225	-0.3215	-0.3795	0.2725	-0.2125	0.2935	0.1885	-0.0565	-0.6705	0.0485	-0.1165	-0.0775	-0.4965	0.3775	0.0445	0.0235	0.1315	-0.1505	0.0715
-0.6585	-0.3065	0.6815	-0.0975	0.1285	0.7895	0.2095	0.5765	0.5645	-0.0295	0.2345	-0.0665	-0.0445	0.0075	0.1055	0.4205	-0.1855	0.0255	0.3895	0.1905	0.4425	0.7785	0.4055	0.7725	-0.1975	0.1695	1.1235	0.9875	1.7345	0.8585
-0.118	0.027	-0.276	-0.806	-0.549	0.123	-0.366	-0.439	-0.099	-0.143	0.07	0.019	-0.024	-0.475	-0.065	-0.826	0.207	-0.154	-0.071	0.195	-0.433	-0.162	-0.556	-0.666	-0.696	-0.328	-0.357	-0.582	0.008	0.2
0.2945	0.2895	-0.2245	-0.2735	-0.4925	-0.0855	-0.6675	0.0845	0.1745	-0.5315	-0.2695	-0.4135	-0.6425	-0.1465	-0.2735	-1.0815	-0.6205	-0.4415	-0.0395	-0.2915	-0.3225	-0.2965	-0.0285	0.1035	-2.2555	-1.2175	-0.3085	0.2965	-0.3985	-0.3545
-0.5935	0.6895	0.0585	-0.8655	-0.9085	0.0855	-0.5345	-0.1575	-0.4245	-0.5355	0.0025	-1.0635	0.2965	-0.4855	-0.9125	-0.3945	-1.2015	-0.1825	0.1665	-0.0765	0.3385	-0.2585	-0.3165	-0.8485	0.0855	-0.4405	-0.3355	0.0375	-0.0205	-0.4095
-1.1595	-1.8885	-1.8445	0.1905	0.1445	0.2365	1.0725	-0.5815	-0.8525	-1.1995	-1.0955	-0.7615	-0.8615	-1.0225	-1.9495	0.9965	0.5965	0.4315	-0.9265	-0.1835	0.2455	1.6905	0.4355	0.2205	0.4685	0.2055	-0.2455	0.0905	0.4155	-0.3165
0.4615	0.9085	-0.5425	-0.2035	-0.7085	-0.4245	-0.1115	0.2505	-0.4475	-0.0485	0.8085	-0.6185	-0.1405	0.7075	0.7155	1.0015	-0.3105	-0.5435	-0.2025	-0.7945	-0.6845	0.2655	0.1005	-1.3875	-0.3985	0.5365	0.5035	-0.2485	-0.7275	-0.7435
-0.656	-0.802	0.035	-0.894	1.054	0.156	0.401	1.457	0.11	0.68	0.751	2.463	-0.208	1.258	1.344	1.28	0.401	1.367	-0.268	1.676	0.511	1.731	-0.608	2.216	2.261	1.857	0.835	0.831	0.763	1.8
-0.3615	0.4905	0.0325	-0.5875	-0.4845	-0.3665	0.1285	0.3585	0.5535	-0.0045	-0.1845	0.2205	0.1335	0.2275	0.1085	-0.1445	-0.0435	-0.8895	0.3825	0.2565	-0.2245	-0.0285	0.4265	-0.3645	-0.2415	0.2555	0.0155	0.3625	0.4715	-0.0315
-0.4395	-0.6005	-0.2965	-0.3375	0.0665	-0.4455	-0.3565	-0.1095	-0.4125	-0.1235	0.0285	-0.4105	-0.2955	-0.1365	-0.0385	0.1805	0.0295	-0.2785	-0.1265	0.0305	0.1575	-0.1945	0.2035	-0.3395	0.1085	-0.2545	-0.0075	-0.1935	0.0435	0.0505
-0.0655	-0.5775	-0.4765	0.2625	0.5005	-0.0035	0.6905	-0.3165	0.6605	0.2885	0.5015	0.1735	-0.4785	-0.1735	-0.3145	-0.1525	1.4265	-1.2915	-0.1015	0.5375	0.5365	0.4465	0.3825	-0.3435	1.2915	0.5505	0.1035	0.3215	-0.3225	-0.5815
-0.439	-0.632	-0.522	-0.421	-0.507	0.144	-0.544	-0.37	-0.102	-0.168	-0.665	-0.126	0.12	-0.769	0.284	-0.509	-0.195	-0.434	-0.002	-0.102	-0.057	-0.345	-0.194	-0.467	-0.394	-0.411	-0.242	0.002	0.055	0.173
0.275	-0.045	0.785	-0.275	-0.043	0.297	-0.099	0.422	0.175	-0.48	0.005	-0.351	-0.058	-0.295	-0.673	-1.105	-0.914	-0.495	-0.016	-0.415	-0.795	-0.504	-0.494	-0.582	-1.496	-0.772	-0.742	-0.798	0.537	-0.294
0.2715	-0.0565	0.4755	-0.6395	-0.2705	0.7735	0.3485	0.0805	-0.0635	-0.0215	0.5905	0.7015	0.5685	-0.2365	0.1485	1.4415	0.4265	0.4675	-0.3985	0.0285	0.1575	0.0695	0.3265	0.0335	-0.0725	0.9995	0.2645	0.7575	0.6645	0.4525
0.2405	0.0045	0.0635	0.1815	-0.4365	-0.3905	-0.4325	0.2655	0.3965	-0.5365	-0.0805	0.1635	-0.3515	0.1755	0.1915	-0.3565	0.0625	-0.5685	-0.9145	0.5105	0.1335	-0.0495	0.0745	-1.4855	-0.2375	0.1255	-0.7065	0.0415	0.3005	0.3285
0.1615	-0.2165	-0.3535	-1.0955	0.2685	-0.2515	0.3255	-0.5645	-0.0825	-0.3615	0.3845	0.6875	0.1335	-0.0175	-0.2145	0.7325	0.6655	0.7375	0.0685	1.1945	-0.1335	0.2815	-0.1285	0.5065	1.4055	-0.0365	0.2925	0.6405	0.2825	-0.5085
-0.133	-0.507	0.243	0.453	0.161	0.388	-0.104	0.07	-0.273	-0.574	-0.491	-0.069	-0.046	-0.156	-0.041	0.209	-0.133	-0.08	0.527	-0.04	0.638	-0.151	-0.235	0.728	-0.007	0.24	-0.292	-0.009	-0.137	-0.216
-0.1665	0.0165	1.5555	-0.1845	-1.1045	-0.7275	0.0595	-0.6705	-1.4525	-0.3975	-1.1755	0.3975	0.9465	0.3355	-0.0165	0.8515	2.0995	-0.5655	-0.9785	-0.0095	1.1205	-2.6775	-1.6915	-0.2265	1.3075	2.2125	0.2295	-0.1735	1.6895	2.2285
-0.105	-0.355	1.529	0.595	1.221	-0.069	1.334	0.946	0.913	0.381	0.588	1.415	0.197	0.276	1.288	1.223	2.25	1.434	-1.618	-1.501	-1.133	0.304	1.019	0.617	-0.463	-0.921	-0.271	-0.945	1.759	1.983
-0.3265	-0.1895	-0.0635	-0.5115	-0.8105	0.0465	-0.5335	-0.5375	-0.5065	-0.2295	-0.2725	0.1215	-0.1925	-0.1595	1.3045	0.6535	0.0265	0.5075	-0.1595	-0.2415	-0.3865	-0.3345	-0.5265	-0.5625	-0.4435	-0.6345	-0.3525	-0.5135	0.0275	-0.1705
0.16	0.055	-0.063	0.162	0.107	0.465	1.814	0.511	0.242	0.405	0.902	1.373	0.095	0.637	0.133	1.275	0.057	2.318	0.67	1.64	-0.17	0.21	0.238	1.813	-0.387	0.745	0.498	0.87	0.004	0.091
-0.063	0.088	-0.265	-0.016	0.4	0.371	1.188	0.999	0.18	0.685	0.931	0.994	-0.635	0.503	0.008	1.719	0.196	0.848	0.142	1.083	0.078	-0.03	0.056	2.028	-0.587	0.805	0.699	0.873	0.017	-0.399
0.1105	-0.3595	0.2565	-0.1555	0.5155	0.1965	0.8055	0.2805	0.1225	0.7595	0.7545	1.3695	-0.1975	0.9875	-0.2005	1.9455	0.1905	2.6915	-0.2735	1.0395	0.3035	0.0605	-0.6805	2.1075	-0.2445	0.7655	1.0435	0.9125	0.4865	1.2045
-1.025	-1.188	0.147	-1.596	0.041	-0.624	-0.554	-1.948	-0.498	0.114	-0.488	-0.112	-1.398	-1.676	-0.649	1.434	1.655	-0.197	0.238	0.42	-0.256	-0.264	-0.04	-1.088	1.28	-1.185	-0.412	0.16	1.098	1.116
-0.723	-0.61	-0.328	0.1	-0.403	-0.64	-0.194	-0.267	-0.152	-0.213	-0.477	-0.442	-0.079	-0.479	0.108	-0.238	-0.384	-0.141	-0.599	-0.412	-0.426	-0.082	0.379	-0.014	0.261	0.138	0.15	0.292	-0.076	-0.357
1.035	0.163	0.49	0.873	0.464	0.268	0.138	0.078	0.49	0.427	0.158	-0.276	0.305	0.776	1.106	0.616	0.384	-0.483	-1.848	-1.512	0.097	-0.352	0.464	-0.998	0.412	0.002	0.761	0.381	-0.064	-0.121
-0.338	-0.61	-0.169	-0.387	-0.427	0.399	-0.067	-0.327	-0.213	-0.612	-0.445	0.037	0.277	-0.33	-0.543	-0.278	-0.229	-0.019	-0.006	0.347	0.05	0.072	-0.098	0.277	0.183	0.207	-0.431	0.077	0.005	-0.295
0.0875	-0.1075	0.2435	0.6765	-0.3385	-0.3385	0.3645	0.2895	-0.1655	-0.2575	0.3605	-0.1765	0.0845	0.3965	0.2685	0.2975	0.2685	-0.1015	-0.4845	0.0465	-0.0075	0.1815	-0.0595	0.9845	0.6215	0.4795	-0.0475	-0.2395	0.7615	0.6095
-1.0075	-1.5495	-0.5075	2.3595	1.9235	0.2335	1.2575	1.3515	0.9055	0.8895	-1.0715	-0.6655	-0.2005	1.0025	1.4205	0.2405	1.0835	1.3525	-4.8405	-3.2645	-2.8975	1.8505	1.3845	1.2005	0.6395	-3.5055	0.7045	1.2015	0.7925	-3.5405
0.222	0.891	3.138	-0.322	-1.559	-0.941	1.239	0.973	-0.586	-1.423	-0.402	-0.559	-0.824	1.071	0.368	1.211	1.02	-0.794	0.471	-0.055	-1.643	-0.993	-0.188	0.788	-0.949	-0.931	0.559	0.019	1.043	0.565
0.527	-0.161	0.258	0.872	-1.038	-1.264	0.493	0.491	-0.358	-0.291	-1.171	-0.119	0.051	0.775	0.198	-0.786	-0.391	-0.856	-0.565	-0.791	-0.506	0.224	-0.181	0.385	0.419	0.308	-0.181	0.165	0.623	-1.138
-0.1445	0.3745	0.9265	-0.4945	2.6805	0.1125	1.3665	2.7275	-0.0915	0.9915	-0.2345	-0.4455	-0.4395	-0.5975	1.2755	0.6875	2.0145	0.9575	4.5155	3.7095	2.0025	-0.3585	0.4745	1.5585	2.2995	2.9215	2.0255	3.2765	1.5695	4.3005
-0.4685	-0.4655	1.9775	2.0585	-0.1705	0.0995	0.6535	2.5525	-1.7155	0.5375	0.5595	-0.3875	-1.9815	-0.3365	2.4915	-0.0125	1.7225	0.2295	3.6335	1.7525	3.0305	0.0295	-0.5245	2.9745	2.3525	2.5575	1.6245	2.1415	1.8685	3.7205
-0.6505	-1.0155	0.7295	-0.5995	-0.0435	0.0825	0.4005	-0.0655	-0.0215	-0.3265	-0.1465	-0.4355	0.5535	-0.5685	0.6035	-0.1805	-0.4295	0.1475	0.1535	-0.7115	-1.0435	-0.3005	0.2875	-0.6035	-1.5785	-1.1705	-0.8755	-0.9815	0.5165	-0.3215
0.947	1.062	2.484	1.756	2.18	1.314	1.459	1.331	0.143	0.768	0.068	0.845	-0.01	1.069	1.712	0.622	1.092	0.866	0.387	1.843	2.76	-0.55	-1.334	-0.694	-0.895	0.418	1.712	-0.604	-0.902	0.431
0.2835	0.5875	0.0655	0.3005	-0.1315	0.1765	0.3105	0.4155	0.3815	0.3305	0.0245	0.1235	0.1385	0.2065	0.2465	-0.3645	0.0255	0.1815	-0.5315	0.0805	-0.2155	0.1755	0.0395	-0.2345	-0.2745	0.2665	0.1805	-0.0555	-0.2945	-0.1425
-0.936	0.005	-0.049	0.685	0.468	0.115	0.377	0.087	-0.715	-0.759	-0.829	-0.472	-0.248	-0.278	-0.43	0.301	0.323	-0.494	-0.66	-0.622	-0.341	-0.323	-0.156	0.573	-0.399	-0.53	0.198	-0.244	0.281	-0.833

WO 2007/061876 PCT/US2006/044737

Table 18.

Normal Br NORMAL-I	Normal Br NORMAL-I	BR03-7242 LUMINAL	9830-0004 LUMINAL	9830-0305 LUMINAL	BC00014 LUMINAL	9830-0004 LUMINAL	9830-0304 LUMINAL	PB339 LUMINAL	PB271 LUMINAL	BR96-0014 LUMINAL	UB-91 LUMINAL	PB284 LUMINAL	UB-22 LUMINAL	UB-95 LUMINAL	UB-85 LUMINAL	UB-87 LUMINAL	BR00-0502 LUMINAL	9830-0200 LUMINAL	BR95-0035 LUMINAL	PB479 LUMINAL	9830-0000 LUMINAL	UB-82 LUMINAL	9830-0104 LUMINAL	UB-81L LUMINAL	UB-81R LUMINAL	UB-99 LUMINAL	UB-99LN LUMINAL	BC00004 LUMINAL	BR00-0387 LUMINAL
1.0855	1.3695	0.7795	0.6465	0.7125	0.9295	1.2255	1.0165	0.3945	0.3945	-0.2685	0.6125	0.3985	0.7945	0.6355	0.3695	0.2315	-0.1225	0.4035	-0.2105	-0.1165	-0.5285	0.2175	0.6315	-0.4605	-0.1395	0.0885	-0.4005	-0.5425	-0.8445
-0.157	-0.877	0.128	-0.075	-0.132	1.064	0.2	0.934	0.593	-0.425	-0.007	0.281	0.565	-0.09	-0.363	-0.432	-0.568	-0.076	0.679	0.569	0.376	0.472	-0.051	1.366	-0.664	0.566	0.277	1.33	0.395	-0.671
-1.076	-0.987	-0.382	-1.298	-1.069	-1.238	-0.599	-0.58	-0.416	-0.983	-0.977	-1.111	-0.345	-0.975	-0.691	-0.44	0.245	-0.172	-0.276	-0.078	-0.61	-0.775	0.142	0.127	-0.622	-0.555	0.315	0.514	0.099	-0.172
0.1895	0.4575	0.8555	0.2055	0.0855	0.2165	-0.0575	0.2525	0.0855	-0.0125	-0.3225	-0.0885	-0.4885	0.1225	0.0185	-0.2145	-0.1055	0.0905	0.3925	-0.1235	0.1175	0.3325	0.3585	-0.0025	-0.4025	-0.3485	-0.0945	0.1155	-0.4705	-0.7875
0.6755	-0.0545	0.5105	0.5825	0.5035	0.6985	0.9045	1.5485	0.2755	0.1865	-0.4025	0.3015	0.5685	0.1825	0.0915	-0.4245	-0.1155	-0.3485	0.1815	-0.3275	0.0835	0.2145	0.0035	0.1385	-0.6075	0.3315	0.7875	0.6465	-0.2775	-0.0405
0.352	1.15	1.159	0.384	0.624	1.103	-0.214	0.249	0.147	1.035	-0.065	0.306	0.202	0.422	-0.235	-0.094	-0.592	1.011	-0.18	1.443	1.408	-0.469	-1.035	-0.667	1.078	-0.294	-0.306	-1.412	-1.492	0.229
-1.6925	-1.6325	-0.4925	-1.4235	-0.9475	-1.1015	-1.0195	-1.0195	-0.5725	-1.2575	-0.8595	-1.0445	-0.8775	-1.0695	-0.8405	-1.9855	0.2275	0.4225	0.7345	-0.0945	-0.3175	-0.1655	0.5175	-1.2135	-0.6115	-0.6765	0.2315	0.3565	0.1685	-1.3115
0.707	0.836	0.283	0.452	0.748	0.798	-0.251	0.448	-0.05	-0.418	-0.419	-0.21	-0.257	1.137	0.38	0.662	0.365	-0.84	-1.77	-0.6	0.484	0.693	-0.503	1.13	0.956	0.436	0.104	0.795	-0.255	0.229
-0.68	-0.897	0.632	0.724	0.528	-0.338	1.025	0.19	0.353	-0.531	-0.436	0.04	-0.599	-0.432	-0.055	0.456	0.633	-1.227	0.441	-0.493	-0.4	1.774	0.432	-0.218	0.134	0.051	0.894	0.675	0.413	-0.443
0.011	-0.489	2.103	-0.004	0.085	0.496	0.667	-0.035	-0.472	-0.048	-0.73	-0.506	0.259	0.714	-0.614	-0.708	-0.443	0.441	-0.925	0.503	-0.183	-1.004	-0.849	1.653	-1.281	0.993	-0.503	0.46	-0.407	1.596
-0.784	-1.357	1.485	-0.446	0.166	1.039	0.725	0.802	-0.363	-0.342	-0.181	0.644	0.022	-0.667	-0.5	-0.064	0.098	-0.278	0.594	0.14	-0.524	0.61	-0.305	0.406	-0.219	0.777	0.543	1.357	0.265	0.277
-0.841	-0.595	0.106	-0.212	-0.683	-0.573	0.024	-0.059	0.25	-0.323	0.16	0.106	0.361	-0.448	-0.691	-0.803	-0.599	-0.653	1.034	0.504	0.055	0.315	-0.2	-0.08	-0.934	-0.274	-0.204	0.247	0.001	-0.148
-0.83	-1.802	0.1	1.854	0.15	-0.753	0.077	0.905	0.964	-0.031	0.653	0.664	0.751	0.248	0.346	0.058	-0.148	-0.387	0.809	1.633	1.021	0.619	1.639	0.91	1.488	2.37	1.604	2.077	1.047	0.111
-0.0945	-0.1925	0.1975	0.0555	-0.1325	-0.3195	-0.0825	0.1035	-0.1505	-0.4005	-0.7015	-0.1675	-0.1265	-0.1345	0.0915	-0.3125	0.0385	-0.2395	0.5275	-0.0105	0.4765	0.1245	-0.0845	0.6705	0.0295	0.0185	0.1255	0.1545	-0.3935	0.3725
0.7745	0.8185	0.1235	-0.0295	-0.5585	0.9935	-0.0245	0.1865	-0.6585	0.3635	-0.1975	0.6135	0.3255	0.3625	0.4065	0.3335	0.8555	-0.6115	-0.9975	0.0185	-0.2765	-0.7645	-0.3345	-1.0475	1.0145	0.9645	0.5285	0.1275	-0.0755	0.1995
-0.592	-0.797	0.113	-0.025	-0.49	-0.532	-0.733	-0.332	-0.315	-0.028	-0.391	-0.079	0.055	-1.067	0.11	-0.346	-0.269	-0.908	-0.415	-0.657	-1.378	0.32	-0.427	0.179	-0.127	-0.745	0.066	-0.354	-0.121	-0.301
0.67	0.05	-1.16	-1.528	-1.045	-0.483	-0.88	-0.695	-0.24	-0.486	0.01	-0.78	-1.478	0.3	-0.414	-0.765	-0.531	-0.62	-1.769	0.24	-0.13	-1.634	-0.488	-0.588	-1.225	-1.345	-1.305	-1.627	-1.321	-0.842
1.221	0.549	1.304	0.845	-2.392	1.682	0.409	0.148	-0.275	1.099	-0.041	-1.553	0.962	0.417	-0.051	-1.1	-0.065	-1.201	-3.087	-0.818	-0.835	-1.487	-1.45	-0.765	-1.085	-1.534	-0.149	-0.3	-1.77	-1.659
0.5285	1.1535	0.1515	-0.1835	-0.3835	0.4135	-0.1335	0.6325	-0.2435	-0.4125	-0.6985	-0.7415	0.3445	-0.3075	0.2135	-0.8445	-0.5295	-0.2085	-1.4805	0.1385	0.4665	0.2215	-0.8125	-0.9145	-0.9985	-1.1905	-0.1475	-0.4475	-0.7055	0.0885
0.566	0.038	0.065	0.264	0.106	0.072	0.308	1.13	-0.36	0.033	-1.159	-0.891	-0.508	-0.242	0.924	-0.788	-0.186	-0.558	-0.763	0.168	0.056	-0.002	-1.083	-1.401	-0.317	-1.532	0.002	-0.249	-0.965	-0.127
-0.6855	-0.7255	-0.1535	-0.5135	-0.6735	-0.3915	-0.6725	-0.9305	-0.0435	-0.0065	0.4205	-0.3445	0.8345	-1.0155	-1.4335	0.0195	-0.6435	-0.1095	-0.6765	0.5315	-0.8075	0.3665	-0.3545	-0.6195	0.3725	-0.7055	-1.0855	-1.1825	0.2425	0.3905
0.1275	-0.1095	-0.3035	1.4625	0.2045	0.4725	-1.1275	1.2505	-0.6315	1.6065	-0.2545	0.3815	3.2705	3.0225	3.9485	1.7615	0.4605	-0.2415	-1.1385	-0.1345	-0.0885	1.2855	1.6335	-0.6215	3.7195	0.0855	1.3225	1.0755	-0.4505	-0.0755
-0.1145	-0.1315	0.1155	-0.0195	0.2275	0.0795	0.1155	0.2815	0.2585	0.0995	-0.1055	1.0715	-0.1925	0.3535	0.1435	1.0525	0.2185	-0.6405	0.6585	0.1605	0.3905	1.4355	0.2315	0.5595	1.1165	1.6625	0.4715	0.7395	0.7555	-0.1925
0.2025	0.7475	-0.2045	0.2235	0.4205	0.9135	-0.0635	0.7235	-0.5405	0.2785	-0.5125	-0.0315	-0.4755	-0.0395	0.8965	1.3795	0.4665	0.0355	1.2845	-0.0365	1.0905	-0.7705	-1.5115	-0.8035	0.3945	-0.1975	0.3285	0.4635	-0.3705	0.2255
2.1475	1.9895	-0.7065	0.9235	-0.8305	0.2985	1.0795	2.8005	0.7585	0.1045	1.1785	-0.4315	0.6425	1.7925	1.2465	1.2995	0.4135	-0.7535	-0.8215	-0.6255	0.2205	-0.1595	-0.5585	-0.4445	-0.2165	-0.5445	-0.4205	-1.1205	-0.4375	-0.0615
0.855	1.603	2.015	-1.354	1.408	1.103	-0.772	-0.914	1.971	-0.171	-0.339	-0.662	0.876	0.051	-0.629	-0.415	-1.03	2.311	-1.137	-0.115	0.342	2.664	0.351	1.403	-0.543	-1.193	-0.632	-1.347	0.765	0.808
-0.578	0.685	-0.089	-0.066	0.302	0.374	0.001	0.247	0.183	-0.068	-0.013	-0.254	0.275	-0.145	1.474	0.97	0.386	0.626	0.437	0.351	-0.246	0.701	0.038	1.016	0.521	-0.052	-0.055	0.199	0.729	-0.227
-0.3095	-0.8035	0.4475	-0.4025	0.0065	-0.4255	0.4165	0.5445	0.2025	-0.6555	0.2865	0.0915	-0.0985	0.1535	-0.5255	-0.2845	0.5985	-0.1895	0.8985	0.2675	0.1575	0.6585	0.6085	-0.2045	0.2265	0.6265	0.2445	0.4825	0.1415	-0.8685
0.2935	0.8225	0.6505	0.5155	0.6215	0.7265	0.0535	0.5255	-0.1175	0.1515	-0.1405	0.2555	0.0725	0.0425	0.4755	0.0355	0.3735	-0.6195	0.1905	-0.3125	0.6065	-0.3025	0.1375	-0.1185	-0.8165	-0.3305	0.1415	-0.3935	-0.6465	0.0795
0.1305	0.3405	0.8755	-0.9475	-0.6635	-0.0065	-0.4435	-0.4445	-0.4025	-0.5145	-0.6025	0.2145	0.0065	-0.6065	-0.1665	-0.3235	0.0895	0.0335	-0.8185	-1.1395	-0.5695	-1.0745	0.1265	-1.2685	0.1075	-0.4475	0.0155	-0.6545	0.4095	0.1325
-0.9785	-0.4925	-0.6185	-1.2185	-0.7075	-0.9855	-0.6345	-0.6575	-0.7035	-1.1205	-0.9585	-0.7715	-0.8485	-1.1435	-0.7475	-0.1765	0.5885	-0.4975	0.7605	0.3055	-0.4545	-0.8855	0.3255	-0.8485	-0.7995	-0.9605	-0.6055	-0.0685	0.0325	-1.0305
0.217	-0.038	-0.517	0.858	0.563	0.13	0.491	0.303	0.505	0.167	-0.037	0.314	0.122	0.499	0.198	-0.049	0.313	0.278	-0.14	-0.011	0.278	0.849	0.197	0.613	-0.481	0.225	-0.108	-0.12	0.175	-0.385
-0.5715	-0.0255	0.1975	-0.2755	0.0735	0.0385	0.0585	-0.7455	-0.0445	-0.8345	-0.5845	-0.1485	-0.2505	-0.4895	-0.4665	-0.1905	0.0935	-0.3225	0.0375	-0.2615	-0.3035	0.3985	-0.0725	0.9265	0.0105	-0.1915	0.3235	0.3405	0.1645	-0.5115
-1.195	-1.089	-1.169	-1.306	-0.886	-1.292	-0.825	-0.75	-0.85	-2.009	-1.384	-0.788	-0.951	-1.499	-0.827	-1.398	0.343	-1.254	0.67	0.329	-0.667	-0.877	0.378	-1.95	-1.888	-1.588	-0.755	-0.001	-1.135	-2.612
-0.9325	-0.6715	0.7365	-0.2145	0.0935	-0.1865	0.3485	-0.0365	-0.0665	-0.0705	-0.0145	-0.9015	0.2185	-0.1275	0.3875	0.9645	0.3275	1.2845	0.2275	-0.8015	0.0815	0.2385	0.7515	0.6675	0.3625	0.1515	0.9585	0.2305	0.5435	-0.0765
-0.3915	-0.4745	-0.0235	0.2635	-0.6225	-0.1925	-0.1825	0.1755	0.5595	0.4545	-0.0145	-1.1795	-0.1555	-0.4025	-1.0685	-1.9655	-0.2395	-0.7395	0.2615	0.0275	-0.0625	0.9675	0.5355	-1.1435	-0.7365	-0.5755	-0.5375	0.0145	-0.0975	-0.6065
-1.1045	-1.3145	0.7655	1.4735	0.2135	1.0065	1.1075	0.1665	0.0325	-0.3075	0.3265	0.3455	0.2255	-0.1855	0.3915	0.5295	0.5495	-0.4705	-0.3285	-1.0975	0.3345	0.7665	0.0725	1.6185	0.6585	0.4585	0.3905	0.5725	1.0575	1.0765
0.8905	0.9895	0.6055	1.5365	0.2255	-0.6205	0.6975	0.4255	-0.1565	-0.5635	0.0865	-0.9965	0.1005	0.5765	0.4615	0.4915	-0.3605	-0.9815	-2.5245	-2.6475	-0.2765	1.5385	-0.4885	-2.9235	-1.4725	0.9845	1.1055	1.9325	0.0875	0.1115
0.1975	-0.0495	-0.5585	-0.5605	-0.6505	-0.0085	-0.4655	-0.1255	-0.2385	-0.6175	-0.0615	0.0005	0.0865	-0.4635	-0.2215	-1.0615	-0.6425	-0.3085	-0.1305	0.2715	-0.7525	-0.1035	-0.1665	-0.6625	-0.9285	-0.9665	-0.7765	-0.5915	-0.0765	-0.6005
-0.583	-1.558	-0.141	0.587	-0.666	0.549	0.926	-0.016	0	0.209	-0.156	0.209	0.319	-0.469	-0.065	-1.15	-0.045	-0.472	0.807	-1.171	-1.7	-0.036	0.191	0.221	0.56	-0.248	-0.319	0.586	-0.706	-0.651
0.0665	0.5065	-0.8655	-0.4345	0.2885	-0.2655	-0.1845	-0.2785	-0.2075	0.3475	0.0285	-0.3675	-0.7855	-0.4805	0.1875	0.4995	0.4325	-0.6335	0.0135	-0.2415	-0.5495	-0.6815	0.4345	0.7025	0.6135	0.3485	0.5845	0.1705	0.0215	-1.1795
0.183	-0.244	0.108	0.394	0.276	0.14	-0.3	-0.003	-0.18	0.046	0.417	0.269	0.691	0.056	0.253	-0.294	0.253	0.765	-0.5	0.838	1.23	0.05	-0.039	-0.315	-0.084	0.687	0.481	0.378	0.423	-0.091
-0.107	-0.103	-0.102	0.052	0.344	-0.465	0.092	0.13	0.272	-0.126	-0.042	3.669	-0.275	-0.886	0.097	0.095	0.397	4.637	2.866	0.009	0.111	-0.182	2.203	0.782	0.61	0.771	0.625	0.949	0.215	-0.022
-0.256	-0.375	1.595	-0.15	0.198	-0.017	-0.217	0.57	0.42	-0.392	1.371	0.382	-0.869	0.124	0.364	0.675	0.078	1.095	-0.222	0.344	0.341	0.299	-0.514	-0.057	0.393	-0.435	1.726	0.846	0.081	0.1
1.0855	1.4255	0.5045	0.0755	0.0325	0.6895	0.0895	0.1915	-0.5365	-0.0485	-0.5245	-0.0705	-0.5745	1.0185	0.7235	0.1755	0.1245	-0.5125	0.1945	0.3425	-0.5515	-0.1235	-0.7025	-1.8405	-1.4675	-0.4275	-0.7355	-2.4885	-1.1125	-0.5875
-0.0845	-0.0065	-0.6365	0.3655	-0.1795	-0.6645	0.2615	0.2765	0.2105	0.2185	0.2625	-0.6415	0.2895	0.3695	0.0855	0.2725	-0.3025	-0.4425	-0.4355	0.2815	0.4385	0.8965	0.1685	0.2405	-0.2365	0.0395	0.4825	0.5255	0.3245	-0.3705
-0.1795	-0.5235	0.3155	0.1085	0.0205	0.0045	0.2515	0.3225	-0.1085	-0.3235	0.2895	0.1595	-0.0945	0.0205	0.0095	-0.1205	0.1615	-0.2195	0.7565	0.4085	0.1245	0.1845	0.0895	0.0505	-0.8215	-0.0715	-0.0215	-0.1615	-0.0015	-0.4815
-0.951	-1.533	-0.043	0.861	0	-1.065	0.66	0.437	0.58	-1.073	0.543	0.87	0.052	-0.103	-0.723	-0.663	0.6	0.668	0.83	0.037	0.483	1.279	0.968	0.183	-0.358	0.913	0.036	0.239	1.035	1.304
-0.4795	-0.5275	0.2295	0.3205	0.6115	-0.1935	0.4005	0.1585	-0.0345	-0.0955	0.0355	0.1755	-0.6405	-0.3575	-0.0945	-0.2205	-0.3685	-0.0025	0.5635	0.4355	-0.1685	0.2675	0.0445	0.6815	-0.4485	0.1655	0.1585	0.2545	0.1815	-0.0825
-0.2765	-0.6225	0.1185	0.6655	0.6345	0.4535	0.7325	0.6925	0.2185	0.1055	0.5625	0.3635	0.1905	0.3625	0.5425	0.4195	0.4645	0.4485	0.3735	0.3555	1.1645	1.1285	1.0105	-0.2275	0.6665	0.9895	0.5685	0.8765	0.4345	0.7345
-0.2775	-0.6805	0.2965	1.7335	0.9545	0.1705	0.3355	1.9035	0.6325	0.5195	0.0965	-0.3175	0.4315	0.2105	0.9675	0.4755	0.7085	0.8285	0.3345	-0.2035	0.1275	1.7395	0.6825	0.4215	0.6705	0.8485	1.7435	1.9525	-0.2335	-0.8595
-0.6455	-0.1445	-0.6335	-1.3385	-0.5905	-0.4505	-1.0905	-1.0275	-1.1355	-1.3675	-1.0945	-0.7485	0.1845	-0.8975	-0.4805	-1.1195	-0.3175	-0.9135	0.0285	-0.6835	-0.3605	-0.6335	0.1675	-0.4545	-1.2775	-1.3515	-0.3025	-0.0975	-0.2255	-1.5835
0.452	0.49	-0.259	-0.543	-0.075	0.202	-0.438	-0.58	-0.011	-0.073	-0.183	-0.264	0.112	-0.214	0.241	-0.184	0.012	-0.268	-0.365	0.073	0.418	-0.391	0.148	-0.268	-0.101	-0.653	0.105	-0.181	-0.394	0.288
2.1525	2.4505	0.2245	0.3435	-0.9035	0.2555	-0.0465	0.1585	-0.5195	0.0675	-0.3055	-0.3465	-0.1675	1.0225	1.0065	-0.3125	0.1455	-0.3115	-0.5585	-0.2645	-0.3475	-0.7325	-0.2685	-0.7095	-0.1875	-0.6895	-0.6765	-1.2085	-0.6905	-0.9055
0.007	-0.354	-0.581	-0.872	-0.602	-0.853	-0.483	-0.705	-0.345	0.29	-0.097	0.866	-0.225	-0.088	0.16	-0.118	-0.087	1.087	1.467	0.896	-0.256	-0.188	-0.219	-0.435	-0.082	-0.586	-0.12	-1.208	0.125	-0.428
-0.0155	0.7835	-0.0285	0.4715	0.2015	0.2555	-0.0245	-0.3285	-0.4205	-0.1965	0.0085	0.1555	-0.4345	-0.0595	0.6745	0.7955	1.2245	0.7235	-0.1075	-0.0295	0.3835	-0.3595	0.0825	0.3025	1.2255	0.2845	0.7655	0.2325	-0.1745	0.6825
-0.5605	-0.4735	0.0765	0.1295	-0.3175	-0.4045	-0.1115	0.0725	-0.4455	-0.7415	-1.0185	-0.2445	-0.2005	-0.4775	-0.2075	-0.2375	-0.3905	0.0415	0.8525	-0.5405	-0.1795	-0.1285	-0.5105	0.5605	-0.6985	-0.5915	-0.0905	-0.2675	-0.1025	-0.4475
-0.982	-1.233	-1.276	-1.595	-1.385	-1.035	-0.945	-0.165	-0.825	-1.105	-0.764	-0.375	-1.095	-1.694	-0.085	-0.885	0.385	-0.189	-0.175	-0.234	-1.192	-0.735	0.315	-1.875	-1.705	-1.215	-1.025	-0.515	0.735	-1.245
-0.409	0.044	-0.136	-0.49	-0.208	-0.27	-0.336	-0.273	-0.138	0.055	0.043	0.196	-0.289	-0.403	-0.111	0.425	-0.015	0.344	0.105	-0.166	-0.365	-0.135	0.283	-0.491	0.5	-0.088	0.59	0.042	0.452	0.114
0.4675	0.1105	-0.2855	-0.7265	-0.5335	0.0775	0.3305	0.5825	0.8645	0.6065	-0.2225	-0.4545	-0.0175	0.6045	-0.1765	-0.3095	-0.5465	-1.6795	-1.5245	-1.3715	-1.3115	-1.4155	0.6405	-1.0805	-1.8065	-1.7825	-0.4845	-1.5485	0.3125	-0.6555
-0.7505	-0.7095	-0.1545	0.0755	-0.5895	-0.1325	-0.1545	-0.1345	-0.3375	-0.5335	-0.2815	-0.4375	0.3005	-0.4915	-0.5945	-0.2875	-0.2065	-0.0855	0.2255	-0.2335	0.4475	0.1215	-0.0545	0.3735	0.0325	0.1055	-0.0565	0.4375	-0.0485	0.2205
-0.326	-0.398	-0.004	-0.589	0.244	0.243	-0.611	-0.377	-0.014	-0.604	-0.108	-0.001	-0.181	-0.164	0.179	-0.078	0.373	-0.021	-0.201	0.042	0.265	0.157	0.792	0.13	0.54	0.334	0.71	0.897	1.221	0.631
-0.5445	-0.0035	0.9475	-0.6545	-0.1585	-0.3275	-0.9615	-0.9825	0.0035	0.6505	0.2665	1.7525	-0.1025	-0.0985	-1.0985	0.8455	-0.0665	-0.6305	-1.0595	-0.2765	0.1675	-0.0715	-0.2945	-1.3385	-0.3005	-1.4995	-0.7375	-1.7885	-0.2515	0.9755
-0.193	-0.316	-0.176	0.369	0.194	-0.019	0.404	0.919	0.322	0.079	-0.157	-0.056	0.281	0.251	0.007	-0.613	-0.707	-0.249	0.504	-0.906	-0.316	1.178	0.35	-0.8	-1.025	-0.069	-0.155	0.541	-0.055	-1.221
-1.81	-0.372	1.56	-0.164	1.983	0.89	0.571	0.463	0.843	-0.243	-0.194	2.545	0.22	-1.41	-0.075	1.336	0.926	1.532	0.017	0.356	-0.833	-0.397	1.628	0.325	1.242	1.981	0.866	1.533	1.038	0.288
-0.611	0.025	0.182	-0.633	-1.397	-0.07	-0.631	-0.608	-0.385	-0.628	-0.745	-0.658	0.115	-1.245	-0.306	-0.81	-1.262	-0.65	-0.231	-0.141	0.118	-0.026	-0.139	-0.17	-0.184	-0.414	0.112	0.252	-0.753	0.481
0.2795	0.9725	-0.6105	-0.8375	-1.0255	-0.9005	3.4365	-0.8895	-0.8625	1.0865	-0.0485	1.2105	1.8265	6.2955	5.2685	3.1085	-0.5655	2.5915	0.7645	-0.3715	0.7755	-0.0065	-1.2215	4.0065	-0.5515	7.0215	4.4225	6.6015	0.4255	-0.5605
0.0845	0.1435	-0.6775	-0.1965	-0.2455	-0.0985	-0.3725	0.1385	-0.2655	0.1175	-0.2925	-0.5245	-0.5035	-0.2945	0.0735	0.4195	0.1295	0.0235	-0.8945	-1.3145	0.0335	-0.5405	-0.2515	-0.5625	0.2015	-0.7025	-0.6445	-0.7075	0.9805	0.3195
-0.8015	-0.2575	-0.0805	-0.4545	-0.9485	-0.3975	-0.3595	-0.3515	-0.4345	-0.5985	0.1015	-0.2845	-0.1255	-0.5125	0.0455	-0.2435	0.1545	0.1615	-0.3425	-0.5775	-0.2075	-0.0915	-0.2195	0.4695	-0.0675	0.3205	0.5865	0.3275	0.7835	-0.1015
0.143	0.377	-0.025	-0.187	-0.16	0.779	0.465	1.066	0.862	0.696	0.022	0.562	0.767	0.528	0.089	0.454	-0.274	0.515	1.163	0.253	-0.132	0.198	0.016	0.336	-0.947	0.568	-0.328	-0.329	0.165	0.525
-0.027	0.001	0.533	-0.087	-0.465	0.016	0.044	-0.551	-0.24	0.099	0.497	0.379	-0.021	-0.041	-0.534	-0.268	-0.374	-0.17	0.093	-0.729	-0.001	0.749	-0.253	-0.274	0.047	-0.038	0.018	0.456	-0.316	-0.18
-1.2885	-1.5215	-0.8095	0.6975	-1.0885	0.0345	0.2045	1.2175	1.6995	-0.0065	0.7275	0.3035	1.2355	0.0065	0.0125	-0.9755	0.4815	0.5715	-0.2505	-0.2035	0.5815	0.3875	0.6315	0.0825	0.2795	0.9145	0.1425	0.1445	1.4855	-1.1345
1.089	2.746	-0.714	0.927	-0.533	0.457	0.114	-0.164	-0.109	-0.351	-0.563	0.046	1.315	0.224	0.323	0.953	0.673	0.654	0.124	-0.868	1.038	-0.425	-1.141	0.937	0.365	-0.953	-0.391	-1.897	0.426	1.065
0.026	0.237	-0.341	-0.244	-0.174	0.136	-0.156	-0.187	0.008	-0.099	0.039	-0.239	0.068	-0.263	-0.173	-0.599	-0.361	-0.136	-0.098	0.218	0.132	-0.099	-0.184	-0.349	-0.915	-0.369	-0.615	-0.027	-0.233	-0.588
-0.362	-0.617	0.162	0.257	0.53	0.154	3.396	0.547	1.145	-0.099	-0.043	0.115	1.287	0.053	0.179	-0.27	-0.011	-0.1	-0.044	0.589	0.205	-0.276	2.298	-0.275	-0.145	0.333	-0.026	0.09	-0.092	0.085

Table 18.

Normal Br Normal Br	BR03-7247	9830-0004	9830-0305	BC00014	9830-0004	9830-0304	PB339	PB271	BR96-0014	UB-91	PB264	UB-22	UB-95	UB-85	UB-87	BR00-0502	9830-0200	BR65-0028	PB479	9830-0000	UB-82	9830-0104	UB-81L	UB-81R	UB-89	UB-99LN	BC00004	BR00-0361
NORMAL-I	NORMAL-I	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL
-0.1325	0.1895	0.2285	-0.0916	-0.5115	-0.3215	-0.5115	0.1595	-0.3665	-0.0515	-0.2525	-0.2315	-0.4515	0.2375	-0.1315	-0.1815	-0.2515	-0.4005	0.0185	-0.3805	-0.1315	-0.0615	-0.3615	-0.0315	-0.3015	-0.4115	-0.2915	-0.1115	-0.1715	-0.3815
0.475	1.047	-0.555	0.124	0.01	0.032	-0.25	-0.442	0.148	0.302	-0.132	-0.037	0.399	-0.004	0.248	-0.045	0.266	-0.183	0.092	-0.093	-0.165	-0.34	0.531	0.079	0.435	0.012	0.109	-0.1411	-0.102	-0.732
1.1225	0.9765	1.0855	1.0845	0.7255	-0.1785	0.5775	0.9635	0.0035	0.0055	-0.1385	0.3135	-0.5955	1.0975	0.9635	0.7225	0.7305	0.0385	-0.2085	-0.2135	0.2015	-0.7125	0.0575	-0.1675	0.9425	0.6585	1.2205	-0.5535	-0.4605
-0.441	-0.207	0.111	-0.382	-0.262	0.318	-0.629	-0.072	0.448	0.289	0.414	0.071	0.068	-0.407	-0.128	-0.168	-0.059	0.284	0.474	0.235	0.152	-0.091	-0.915	1.349	0.329	-0.035	-0.462	0.022	0.284
-0.539	-0.956	-0.552	0.424	-0.666	-0.43	0.09	-0.421	-0.035	-0.009	0.283	-0.129	-0.243	-0.331	-0.11	-0.199	-0.011	-0.608	0.711	0.307	0.589	0.292	-0.554	0.068	-0.298	0.677	0.154	0.4	-0.132	-0.492
0.55	0.603	0.103	-0.328	-0.78	0.023	-0.043	0.054	0.366	0.014	0.061	0.235	-0.059	-0.159	0.284	0.677	0.891	0.484	-0.205	0.5	0.298	-1.053	0.323	0.278	1.195	0.434	0.484	0.569	0.78	0.161
-0.2795	-0.38	0.235	0.072	0.116	-0.274	1.072	0.183	-0.6	-0.264	0.601	1.206	-0.435	-0.326	-0.635	1.871	1.024	1.995	-0.227	0.801	0.769	-0.623	0.961	-0.683	-0.089	0.572	1.049	1.356	-0.539	0.777
0.577	0.397	0.315	-0.169	-0.339	-0.209	0.041	0.301	-0.363	-0.119	0.091	-0.399	-0.259	0.565	0.851	-0.269	0.161	-0.193	-0.498	0.023	-0.22	-0.809	-0.839	-0.509	-0.479	-0.269	-0.029	-0.749	0.111	-0.249
-1.2685	-1.1595	-0.6885	-0.3575	-0.4145	-0.4425	-0.4115	-0.4035	0.0225	-0.0965	-0.1765	0.1295	0.2355	-0.3985	0.2355	-0.5305	-0.1065	-0.7425	0.7655	-0.1985	0.4425	0.4505	0.1415	0.2035	0.4685	-0.1855	0.8275	1.3275	0.8445	1.0335
-1.1115	-1.1815	1.2155	0.0845	0.2655	0.3805	0.2225	0.2405	-0.2045	-0.6705	1.0835	0.6165	0.3195	0.1805	0.0985	1.3535	0.9295	0.2415	0.1735	0.2005	0.7815	0.2825	0.7945	-0.7395	-0.3385	-0.2925	-0.6455	0.1245	-0.8145
-0.0505	0.3845	0.0435	-0.0725	-0.1625	-0.3235	-0.3105	-0.0405	-0.1315	0.2375	0.0285	0.0155	-0.0975	0.5425	0.1945	0.2205	-0.1735	-0.2415	0.6845	0.4425	0.4505	0.1415	0.2035	0.4655	0.2655	0.0105	1.2745	0.8275	1.1435	0.3325
-1.0805	-1.0945	0.3205	0.4315	-0.8175	0.0985	0.6525	1.0335	0.2315	-0.0745	1.2785	0.6545	0.4715	0.2675	0.2175	0.1775	0.2415	0.1705	1.9425	1.3575	2.6815	0.9785	0.0775	0.4155	0.1665	0.0105	0.2655	1.1435	0.3325	0.7395
0.248	0.108	-0.078	-0.937	-0.31	-0.024	-0.69	-0.306	-0.161	-0.018	-0.234	-0.537	-0.615	-0.093	-0.352	0.342	0.325	0.472	-0.533	-0.4	-0.544	-0.464	0.016	-0.769	-0.085	-0.508	-0.039	0.199	0.487	0.451
-0.164	-0.632	0.064	-0.824	-0.494	-0.139	-0.501	-0.95	-0.443	-0.942	-0.403	-0.537	0.1295	0.0975	-0.3065	-0.2955	-0.5885	-0.0055	1.4855	0.0455	-0.0405	-0.3125	-0.2255	-0.8825	-0.3895	-0.4395	-0.0625	0.0475	-0.0335	0.0725
-0.238	-0.4275	-0.4305	-0.0395	-0.2785	-0.5765	-0.6295	-0.5045	-0.2515	0.0895	0.0975	0.1295	-0.2965	-0.3065	-0.2855	-0.3345	-0.7945	-0.0455	0.259	0.477	-0.592	0.828	-0.001	-0.098	-0.985	0.211	-0.368	-0.39	0.668	0.05
-0.5475	0.0005	0.3615	0.1675	0.5225	0.1105	0.1805	0.1305	0.1405	-0.0775	-0.0945	-0.0945	0.1405	0.0455	0.3015	-0.3345	-0.2405	0.2425	0.0335	-2.1155	-0.4675	0.1035	-0.5035	-0.1035	-0.5265	0.7365	0.2115	0.2875	0.4695	0.4855
0.0555	0.3495	-0.277	0.188	-0.236	-0.556	-0.577	-0.414	-0.821	-0.839	-0.414	-0.199	-0.228	0.212	0.069	-0.123	-0.095	-0.414	-0.383	-0.212	0.258	0.023	0.275	-0.578	-0.167	-0.35	-0.513	-0.474	0.128	0.312
-0.243	-0.106	-0.099	1.162	0.331	-0.06	0.09	0.035	-0.314	0.041	-0.231	-0.251	0.151	-0.257	0.197	-0.13	-0.103	-0.363	-0.444	-0.504	0.021	-0.168	-0.888	0.182	0.385	0.153	0.519	0.568	0.126	-0.0015
-0.1305	-0.5795	0.3265	-0.9025	-0.9725	-0.6545	-0.3365	-0.4445	-0.3935	-0.3365	-0.4485	0.0685	-0.9625	-0.9185	-0.7475	-0.5675	-0.6395	-0.0725	-0.1335	-0.0625	-0.1605	-0.4095	-0.8825	-0.2695	-0.0395	-0.2325	-0.4185	-0.3495	-0.2885	-0.0015
-0.058	-0.688	0.681	0.838	0.658	0.038	-0.403	0.672	-0.089	-0.474	-0.779	0.638	0.21	-0.056	0.835	0.288	0.528	0.33	-0.597	-0.494	-0.452	0.103	-0.607	-1.004	1.148	-0.215	0.448	0.765	0.16	0.839
0.1125	-0.0165	0.2075	0.6865	0.7595	0.5145	0.4665	0.6765	0.2945	0.1525	-0.0055	0.0595	0.2125	0.3605	0.5845	0.9545	-1.0285	-0.5655	0.8555	0.7795	-0.3985	0.8555	0.4345	-1.2835	0.3715	-0.4205	1.0155	-0.9455	0.1745	2.0315
0.6335	0.0995	-0.1665	0.4435	-0.3125	-0.1095	0.2995	-0.1255	-0.0965	-0.2145	0.9745	-0.0035	-0.0835	0.8655	0.5935	0.5285	-0.0315	-0.4675	-0.3935	0.3275	0.9175	0.1735	-0.0185	-0.0805	0.5485	0.0255	0.2965	0.4695	0.3815	1.1085
-0.851	0.993	0.71	-0.434	-0.746	-0.648	-0.425	0.272	-0.431	-0.484	-0.207	0.332	0.063	-0.018	0.074	0.112	0.256	0.253	0.345	-0.198	0.503	0.634	0.481	-0.436	0.376	0.285	0.191	0.255	0.398	0.377
-0.129	-0.271	-0.27	-0.434	-0.341	0.51	0.494	0.323	0.475	-0.207	0.382	-0.214	-0.455	-0.281	-0.647	-0.486	0.362	-0.014	0.308	0.179	0.106	-0.339	0.33	0.432	-0.1095	0.1125	-0.0045	-0.1505	0.1515	-0.0705
0.1365	-0.1125	-0.0045	0.0205	-0.4045	0.0775	-0.1055	-0.4005	-0.3025	-0.5055	-0.3525	0.1955	0.2295	-0.0245	0.0575	-0.0915	0.0655	-0.0645	0.0475	0.1765	0.1285	-0.1095	-0.1885	-0.0095	-0.2915	-0.1485	-0.1055	-0.1515	0.1031	0.0765
-0.347	-0.24	0.217	0.15	0	-0.085	0.558	0.238	0.47	-0.114	0.169	-0.339	-0.197	-0.243	-0.422	0.253	0.0095	-0.17	0.765	0.503	0.634	0.481	-0.436	0.222	0.112	0.0945	0.0595	0.0925	-0.2335	-0.1375
0.1815	-0.2095	-0.2775	1.1055	0.1335	-0.2415	0.1395	-0.1145	-0.2785	-0.0985	-0.1895	-0.0235	0.1345	-0.2855	-0.2255	-0.0095	-0.0535	-0.1515	0.1515	-0.0095	-0.2915	-0.0095	-0.1885	0.1205	0.1135	0.0945	-0.0635	0.2525	-0.2495	-0.1375
1.0645	1.7435	0.1785	0.7095	-0.2455	-0.1625	-0.1935	0.0705	0.0755	0.4545	-0.9295	-0.0435	0.3075	1.3245	0.8315	0.6705	0.4715	-0.1615	-1.4915	-0.6985	-1.1775	-0.2025	0.5745	-1.4105	-1.1075	-1.1485	-1.3255	-0.1985	-2.4695	-1.4445	0.2045
-0.0795	-0.6455	-0.0335	-0.1055	-0.4245	-0.4095	-0.1645	-0.0725	-0.0905	0.1135	0.3795	-0.4095	0.1015	0.0055	-0.3215	-0.4215	0.0265	-0.6985	-0.2925	0.1445	-0.2025	1.1045	-0.591	0.1175	1.4	2.301	0.785	1.691	1.077	-0.1035
-1.207	-0.675	0.596	0.369	0.052	0.16	-0.088	0.546	-0.028	-0.566	0.708	0.005	0.193	-0.462	-0.362	-0.005	0.78	1.14	0.594	1.761	0.323	-0.127	0.675	0.173	2.396	1.441	0.731	0.384	0.631	-0.23
0.012	-0.096	-0.165	0.937	1.331	0.367	0.726	0.265	0.535	0.773	0.281	0.74	0.519	0.602	0.252	0.747	0.178	0.192	-0.679	0.782	0.323	-0.7465	-0.9515	-0.1035	2.0035	2.0675	2.2315	1.3745	1.7605	-0.0335
-0.9415	-0.2555	0.6515	0.2875	0.2945	-0.1995	0.2865	0.1895	-0.5535	-0.6715	0.1705	-0.0005	-0.4145	-0.1655	0.1515	0.5595	0.9375	0.9855	0.5365	1.0175	0.7465	-0.4575	0.0845	0.1955	-0.5265	0.8775	0.0805	-0.4025	0.0455	1.0145
-0.3805	-0.2125	0.1885	-0.5155	-0.2955	-0.2995	-0.8285	-0.4845	0.0115	-0.3215	-0.0735	-0.3835	-0.3655	-0.4715	-0.1095	-0.0575	-0.2955	-0.0245	-0.5455	-0.2795	-0.4575	-0.0085	0.2305	0.1185	0.3585	0.7365	0.2115	0.2875	0.4695	0.4855
0.0265	-0.4825	0.1565	0.0595	0.0925	0.0455	-0.0615	0.5685	-0.1735	-0.5315	0.0165	0.1315	-0.0535	0.0665	-0.1355	0.3485	0.2225	-0.1155	-0.0085	0.2305	0.1185	0.2245	0.5415	0.2025	0.8195	0.7215	0.6585	0.1525	0.2395	0.3965
-0.2435	-0.6805	-0.1325	1.0655	-0.2155	-0.0965	0.0535	0.9875	-0.4255	-0.3585	0.0005	0.0905	-0.1385	-0.1735	0.1555	-0.0735	0.3675	0.1725	-0.3845	0.1185	0.2245	-0.063	-0.385	-0.09	0.738	-0.211	-0.062	0.196	0.243	-0.187
0.312	0.079	-0.312	1.436	0.392	-0.245	-0.248	0.214	0	0.297	-0.025	-0.079	0.055	-0.107	0.114	0.288	-0.33	-0.336	-0.69	-0.121	-0.063	-0.385	-0.09	0.738	-0.211	-0.062	0.196	0.243	-0.187	0
-0.15	-0.523	-0.019	-0.43	-0.755	-0.514	0.065	0.301	0.442	-0.296	0.462	-0.296	0.025	0.173	-0.492	-0.388	-0.402	-0.094	-0.09	0	-0.523	-1.253	-0.159	0.135	-1.109	-0.22	-0.233	-0.121	0.109	-0.57
-0.128	-0.298	0.38	-0.26	-0.524	0.215	-0.021	-0.065	-0.135	-0.309	0.351	0.032	-0.376	-0.288	-0.042	0.228	0.396	-0.305	-0.125	-0.347	-0.282	0.007	-0.333	-0.492	-0.001	-0.076	-0.075	-0.169	1.479	0.577

Table 18.

9819-0103 LUMINAL	BR02-7054 LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-7048 LUMINAL	BR02-7056 LUMINAL	BR03-7268 LUMINAL	BR95-0184 LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-MI LUMINAL	BR95-0152 LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-0167 LUMINAL	UB78 LUMINAL
1.7595	0.8565	1.5065	0.6185	0.4315	1.0095	1.6705	-0.6315	-0.6865	2.2875	-0.8215	1.6425	2.3855	-0.3365	1.1175	-1.6365	2.8155	0.2005	1.6365	0.2715	2.4685	1.8095	-1.5765	0.3745	1.1915	0.7745	2.2795	3.5835	-0.5615	0.8325
0.598	0.181	-0.238	0.209	0.224	0.154	0.467	0.632	0.629	1.484	0.724	-0.076	-0.287	1.573	1.06	0.407	-0.271	0.058	-0.122	-0.212	0.311	0.082	0.103	2.893	-0.276	1.094	2.215	1.441	2.29	0.09
1.664	-0.97	-1.477	-1.983	-0.995	0.555	2.986	-0.775	-0.134	-0.22	-2.456	2.768	2.013	-0.187	1.552	-1.02	1.678	0.188	-0.944	-0.457	-2.235	-3.136	1.513	1.816	2.231	0.48	1.09	-0.921	0.755	-1.328
1.0025	-0.6415	-0.3425	-0.6115	-0.1255	0.7695	0.3385	-0.4355	-0.4875	-0.5545	-1.3735	0.2265	2.8115	0.8505	0.8335	-0.5525	0.2735	0.2685	-1.2775	-1.6625	-1.3225	1.8565	1.9455	0.8805	1.4835	0.3625	-1.3755	0.0265	-0.4455	0.3785
-0.9925	0.0965	-0.7795	-0.7605	-1.3415	-1.1555	1.3615	0.1925	0.2615	0.8815	-0.8145	0.4335	-0.2705	-0.2615	-1.0585	0.3825	-0.1665	-0.6415	-3.1065	0.3795	-0.8305	0.0955	1.0205	1.0755	0.1495	-0.6135	0.6895	0.8145	1.6315	0.1075
0.178	0.057	-0.216	0.218	0.731	-0.72	-1.026	-0.527	-0.528	1.618	0.114	-0.106	-0.867	-0.673	-1.158	0.042	0.216	-0.289	0.459	0.309	0.274	-0.224	-0.443	-0.928	-0.729	0.173	-0.794	-0.536	-0.756	-0.489
0.2435	-0.1285	-0.6135	0.0055	0.0355	-0.3875	-0.4575	-0.4955	-0.5175	-0.1585	0.3645	0.3325	-0.5465	-0.1535	0.0965	-0.0485	0.1505	0.0315	0.3975	-0.1035	0.5915	-0.4035	-0.2905	0.4765	0.4765	-0.0535	0.0965	-0.1745	0.0935	0.4405
-0.207	0.057	-0.195	0.1	-0.011	1.063	-1.158	-1.666	-1.657	1.059	-0.899	2.881	0.313	-0.958	0.662	-0.888	2.906	2.463	0.541	1.205	1.694	1.949	3.167	-1.656	-1.061	3.401	3.683	2.604	-0.368	-0.997
7.7355	0.0575	0.3035	-0.2225	1.5325	-0.0055	1.6235	-0.5655	-0.4905	-0.0135	0.2225	1.1415	0.5725	0.4965	1.4675	1.1315	0.4715	-0.2475	0.1415	-0.0535	-0.3715	-0.4545	-0.5065	-0.1035	0.1805	0.8055	-0.4455	0.4295	-0.1355	-0.0295
1.6025	1.5025	1.5805	0.4365	-0.2655	0.6545	1.6575	0.1295	0.0825	0.5985	0.1105	-0.5775	0.8625	0.8955	0.1065	-0.9195	0.7535	-0.2005	-0.1165	1.2685	0.0205	0.1135	-1.0025	0.9065	0.8165	-0.2325	0.0985	0.4375	1.2045	0.3045
0.1525	-0.2445	0.2115	1.0655	-0.0965	1.1615	0.3805	-0.3645	0.4505	0.4705	0.2555	-0.0905	1.6395	0.4595	0.7325	1.7415	-0.3815	-0.5225	2.4865	-0.8255	-0.8505	-0.0845	1.4285	2.1555	0.7675	0.0165	-1.3045	0.9155	-0.2945	-0.3255
-0.661	-0.881	-0.899	0.029	0.389	-0.048	-1.36	-0.88	-0.744	-0.29	-0.997	-0.69	-0.555	-1.024	-0.425	-0.199	-0.161	-0.735	-0.622	-0.846	-0.565	0.243	0.438	0.079	-0.084	0.303	-0.34	-0.634	-0.373	-0.644
-0.5105	-0.0685	0.0855	-0.1715	-0.0085	-0.1195	-0.0305	-0.2535	-0.3275	-0.4275	0.0735	0.5285	-0.2355	-0.0125	0.4165	-0.1485	-0.1345	0.0025	-0.1085	0.0135	0.0325	0.3845	-0.1325	0.3155	0.1685	-0.0095	0.1985	0.1105	0.2975	0.0115
-0.8965	-0.4635	-0.9945	-0.0485	-1.0715	-0.1155	-1.1005	2.8055	2.7515	1.6005	-0.4295	1.7685	1.3085	-0.5685	-0.1415	1.5575	-1.2895	-0.6215	-0.4205	1.7345	0.0875	0.9435	1.8955	1.4065	-0.5415	3.2335	2.2365	0.3795	0.4665	-0.4635
-0.742	0.309	-0.013	-0.475	-0.425	0.676	-1.305	2.558	2.665	-0.521	-0.074	-0.583	0.246	0.022	0.107	-0.455	0.094	2.992	1.183	-0.798	2.196	-0.159	0.11	-1.424	-0.769	-1.203	-1.826	-1.121	-0.916	-0.535
0.0285	-0.1095	-0.9535	0.3415	0.1745	0.0815	1.1735	-0.3015	-0.3825	1.0815	0.0935	-0.5895	1.1905	0.5875	-1.1545	-0.4895	-0.4365	-0.3495	1.7085	0.0055	-1.6635	0.2925	-0.3025	2.2075	0.6525	1.9735	-1.2845	0.8055	-0.6025	0.7615
-0.1185	0.1275	-0.2735	0.6965	0.0245	-0.4205	0.7395	1.7115	1.6415	1.0705	2.5685	-0.3135	-1.2705	0.7305	0.4755	-1.3485	1.1375	-0.7745	-0.9995	3.3425	-0.7435	2.7785	1.1985	3.3575	0.0775	0.3385	-0.2935	0.7835	2.8835	1.1085
4.4715	2.7335	1.3575	-0.7625	-1.3255	-0.1185	1.4435	3.1955	3.1945	1.7605	3.5325	2.3515	1.8935	3.0895	2.0595	1.7335	-0.4195	3.2345	1.6945	1.7725	1.8925	0.3045	1.5485	2.3175	-0.2355	2.8475	2.3825	1.8965	1.1975	0.9085
-0.7555	-1.6875	-0.0855	0.2865	0.7545	0.4765	0.1325	-0.6575	-0.7565	-0.9565	-0.6535	0.5065	-0.6345	-0.3535	-0.2215	0.1255	0.6265	1.1375	3.3695	-0.5785	1.0515	1.1975	1.3145	0.3875	-0.4195	0.7345	-0.9095	-0.3625	-0.7835	-0.5745
2.3665	-0.0835	-0.1575	0.2475	-0.1665	-0.1405	2.1375	2.2935	2.4535	0.7475	-0.1235	-0.3635	1.7345	2.8255	1.8775	-0.1815	3.3545	1.6695	-0.4055	3.6055	0.0675	0.1255	0.0725	0.2065	-0.1755	0.3605	0.8175	1.4465	-0.3565	0.2375
0.886	0.02	0.81	0.024	0.1	1.005	-0.218	-0.435	-0.388	0.029	-0.788	0.616	0.703	0.175	0.592	0.037	0.333	0.4	-0.688	0.218	0.401	0.502	-0.403	-0.33	0.173	-0.568	-0.379	0.069	0.065	-0.114
-0.758	1.425	-0.173	-0.319	0.826	0.762	-0.039	-0.086	-0.142	0.342	0.453	0.749	-0.109	0.271	0.39	3.607	-0.616	-0.925	-1.12	0.937	1.226	-0.152	-0.116	2.56	0.979	0.508	-1.448	1.126	4.423	0.408
-0.078	0.476	0.742	0.556	-0.837	0.875	-1.402	-0.74	-0.765	0.658	-1.125	0.248	0.613	-1.954	-0.075	-0.509	-0.069	0.024	0.95	-0.869	-0.031	-0.304	0.576	-0.442	-1.153	0.112	0.519	0.278	-1.209	0.201
-0.537	1.056	-0.887	-0.442	-0.385	0.472	-1.25	0.211	0.273	-0.298	-0.115	1.058	-0.684	-2.038	-1.877	0.227	-1.192	-0.212	-0.736	-2.212	-0.818	-1.681	-0.98	1.355	2.465	-0.753	0.451	-1.187	-1.313	-0.177
-0.2805	-0.3305	0.0115	-0.1445	-0.0555	-0.2815	0.3635	0.4045	0.4105	0.1625	0.4065	-0.1655	0.0135	-0.0965	-0.2945	0.4785	0.3265	-0.0965	-0.1745	-0.8055	-0.2415	-0.6895	-0.2305	-0.1885	0.2645	-0.3285	-0.2345	-0.0985	-0.0435	-0.0515
0.1715	0.5455	0.2735	0.3255	-0.2425	0.6885	-0.3535	-0.1815	-0.1175	0.1375	0.0635	-0.4935	0.3395	0.4255	-0.9945	0.1755	-0.0155	0.2085	-0.2515	0.4605	-0.6605	-1.0075	-0.2105	-0.4675	-0.6305	-0.1385	0.4745	0.2135	-0.8405	-0.0125
0.9305	0.4285	-0.0095	2.5145	0.3015	0.5415	-0.5305	0.0095	-0.1375	0.0915	-0.4025	-0.9825	-0.4595	-1.3475	-0.3395	-0.8265	2.3335	-0.8615	-0.7625	-1.6615	-0.9015	-0.5525	-0.7085	-1.7745	-1.0265	-0.4525	-2.5995	-1.3665	-1.5775	0.5825
-0.691	0.671	-0.747	-0.347	-0.326	0.017	0.005	0.129	0.117	1.174	0.031	0.727	-0.816	0.534	-0.803	1.111	0.108	0.07	0.464	-0.265	1.063	-0.233	0.401	-0.525	-0.853	-0.366	0.983	0.064	0.041	-0.372
0.123	-0.335	-0.52	0.111	-0.201	-0.277	-0.444	-0.038	0.004	0.449	-0.763	0.23	-0.019	0.002	0.187	-0.101	-0.19	0.139	-0.757	-1.31	0.18	0.008	-0.393	-0.524	0.281	0.189	0.199	-0.192	0.032	-0.325
1.3175	0.4735	0.1445	0.5695	0.0435	-0.2825	1.5155	0.6815	0.6425	0.6935	0.2615	1.9465	1.5095	0.5075	0.3935	2.0035	0.1045	0.4255	-0.4675	-0.2475	2.0395	0.1875	-0.5485	0.3525	0.4405	1.8885	0.5265	0.9285	0.7525	0.6495
0.857	0.66	-0.095	0.118	0.685	-0.014	-0.102	-0.12	-0.085	0.541	0.083	0.145	0.26	-1.145	-0.707	-0.549	-0.248	-0.301	0.625	1.297	0.175	0.324	-0.592	0.766	-0.793	0.308	-0.338	0.635	0.384	-0.5
0.3655	0.2475	0.7545	-0.0685	-0.4485	0.0595	0.1955	0.2675	0.3765	0.7335	0.1075	1.1545	-0.0615	-0.5065	0.1335	-0.2935	-0.5895	0.4035	1.5295	1.0705	3.4775	-0.5645	0.6395	-0.0515	0.0975	-0.2915	-0.0955	0.6375	-0.6945	3.2215
-0.2195	0.3145	-0.4015	-0.5055	-0.8145	1.5765	1.6945	0.5175	0.4845	0.0115	0.4995	0.8305	2.4715	2.2465	1.5665	-2.2775	-2.4265	0.3925	-0.9365	-1.9165	1.4335	1.5605	-1.1015	1.5645	0.0725	1.3805	0.5225	0.8575	1.5995	-0.0655
0.0205	-0.0195	0.1315	0.0805	-0.0515	0.4195	-0.3435	-0.0425	-0.1395	-0.4745	-0.2105	-0.6545	-0.5865	-0.5095	0.5245	-0.3075	-0.1935	0.0965	-0.9075	-0.3375	-0.3505	0.4235	0.2185	-0.4935	-0.3265	-0.5235	-0.9315	-0.5195	-0.1355	-0.6245
0.641	0.458	-0.181	-0.076	-0.181	-0.227	0.226	0.973	1.36	-0.148	0.602	-0.856	-0.02	1.072	0.71	1.35	0.564	0.367	0.94	0.373	0.521	0.204	1.04	0.723	0.024	0.105	0.633	-0.779	-1.095	1.034
1.073	-1.051	-0.936	-0.471	0.141	-0.232	0.221	0.421	1.593	0.597	0.342	-0.199	-0.276	-1.238	0.258	2.879	0.152	0.694	0.943	0.627	-0.404	0.062	-0.163	1.568	1.62	0.202	0.447	-0.044	1.29	0.036
-0.141	0.306	-0.013	-0.273	-0.451	-0.113	-0.174	-0.056	0.056	0.243	0.584	-0.635	-0.343	-0.582	-0.331	0.272	-0.112	-0.05	-0.351	0.467	0.292	-0.006	0.382	-0.124	0.133	-0.279	0.54	0.237	0.529	0.26
-0.957	-1.909	-0.617	-1.007	-1.39	-0.367	-1.739	-0.521	-0.488	-1.538	-0.655	-1.617	-0.804	-0.661	0.249	-0.023	-0.483	1.058	1.563	-0.03	0.047	0.655	-0.33	0.926	1.821	0.164	1.127	0.066	0.245	0.903
0.007	0.579	0.814	0.033	0.526	0.601	0.344	0.041	0.083	0.042	0.022	-0.301	0.781	0.076	-0.038	-0.139	-0.371	0.392	0.305	0.828	0.201	-0.099	-0.321	-0.078	-0.464	0.167	-0.058	0.359	0.697	-0.068
-1.03	-0.088	-0.581	1.045	-0.398	-0.709	-1.958	-1.528	-1.57	-0.656	-2.537	-3.327	0.072	-1.27	-1.623	-3.989	-2.758	-0.545	-1.87	-1.56	-3.155	-2.679	-4.437	-1.187	0.312	-1.256	-3.159	-1.414	-3.234	-1.063
1.021	-0.139	0.511	0.624	1.041	0.288	1.704	0.403	0.458	0.567	0.773	0.185	-0.714	0.168	0.281	1.033	1.153	0.626	1.57	0.542	1.114	0.07	1.079	0.287	-0.136	1.399	0.621	0.262	-0.885	0.404
-2.2555	-1.5645	0.1655	-0.9455	-1.5935	-0.8895	-2.0265	0.7165	0.6995	0.5285	-0.3535	-1.2225	0.3615	-2.0185	0.9065	0.7165	-0.0295	1.9225	-0.6155	1.8125	0.7245	0.3375	0.7665	1.6585	1.9275	2.1075	-0.9255	1.0095	0.0665	-1.9325
-1.2895	-0.8625	-0.4495	-0.5385	-0.9315	-0.4595	-1.1675	-1.2705	-1.2255	-0.2525	-1.3685	-0.7265	0.2485	-0.5295	-0.9405	-1.4755	-0.5665	-1.1995	-0.9235	-1.2835	-0.8255	-1.0735	-1.2765	1.3085	-0.9925	-0.6275	-1.5035	-1.0655	-1.2075	0.3335
0.585	-1.374	1.356	1.045	0.819	0.613	0.634	0.309	0.208	0.72	-0.334	1.557	-1.75	0.648	-1.316	0.417	0.856	0.69	-0.078	-0.881	0.351	-1.127	0.175	0.617	2.197	-0.793	1.188	0.502	-0.032	0.941
0.471	1.522	4.039	0.957	1.816	3.969	-0.61	5.308	5.326	-1.133	1.663	-0.26	5.13	4.521	4.174	-1.014	-0.457	2.635	-2.721	0.316	-1.201	3.46	3.226	1.612	0.921	4.22	0.087	3.697	-1.519	1.924
0.0765	-0.3845	-0.2185	-0.4775	0.0605	-0.5545	0.9045	0.4085	0.4945	0.2685	-0.4845	0.0025	-0.1715	-0.0425	0.0395	0.3885	0.5175	-0.2395	0.4525	0.3485	-0.1755	0.1205	-0.2305	0.4245	-0.5435	0.5575	-0.5545	0.5045	0.6815	0.2045
-1.903	0.414	0.19	0.32	0.96	0.203	-0.915	-0.072	0.011	0.471	-1.514	0.768	-0.151	-0.933	-1.774	0.235	0.808	-0.306	-1.299	-0.824	0.376	-0.667	0.682	-0.508	-0.288	-0.095	-0.144	-0.138	-0.589	-0.276
-0.2805	0.2495	-0.1685	-0.2505	0.0115	0.1085	-0.2825	0.4825	0.4755	0.3995	0.2075	0.6575	0.6935	0.1715	0.1975	0.6985	0.7425	0.9785	2.2385	1.2725	0.7575	0.8015	-0.0225	0.1985	-0.0545	-0.3685	-0.1645	0.7835	0.6585	0.6775
-0.577	0.123	-0.355	-0.372	-0.534	-0.357	-0.198	-0.051	-0.013	0.072	-0.159	-0.468	0.364	-0.458	-0.016	-0.277	0.001	0.329	-0.104	0.505	-0.222	-0.196	-0.741	-0.004	-0.02	-0.64	-0.73	-0.151	0.322	-0.259
1.0245	0.3665	1.2455	0.7575	0.3725	0.5135	-0.9695	0.4235	0.4715	0.4235	1.0775	-0.1235	0.5415	0.9125	1.0325	-0.7085	0.9325	1.1105	1.0105	0.3275	0.7155	0.3955	-0.4445	-0.9445	-0.2745	0.4815	1.1105	-0.0845	-0.1555	-1.1625
1.128	0.399	0.111	0.346	-0.057	0.894	1.074	1.151	1.169	1.391	1.368	-0.198	0.851	0.891	0.14	-1.062	1.883	2.007	0.621	1.541	0.184	0.054	0.643	1.003	1.002	-1.421	-3.437	-2.255	0.504	0.581
0.922	0.083	-0.038	0.503	0.081	1.049	0.785	0.92	1.037	1.336	1.232	0.085	0.75	0.825	0.394	-1.084	1.799	2.026	0.672	1.343	0.122	0.449	0.664	0.977	0.784	-1.271	-3.308	-2.504	0.711	0.571
0.108	0.454	0.327	-0.066	-0.455	-0.041	-0.435	0.873	0.887	0.081	0.206	-0.359	-0.86	-0.32	-0.182	-0.157	0.959	0.189	0.488	0.456	0.13	0.703	-0.216	-1.04	-0.471	-1.523	-0.758	-0.965	-0.649	-0.426
0.3025	-0.3825	-1.5405	0.3965	0.2965	0.0325	-0.9685	0.3085	0.3135	-0.0015	0.2005	0.3315	-0.4015	-0.7275	-0.3175	-0.2405	-0.5225	-0.3875	-1.1885	-1.6145	-0.8725	-0.4475	-0.0895	-0.6295	-0.4405	0.6035	-0.7905	-0.6515	-0.1975	-0.1105
-0.9725	-0.3715	0.0555	-0.1735	-0.3885	0.1125	-0.3405	0.0045	-0.0255	-0.1295	-0.3905	-0.4775	0.0115	0.2295	0.4675	-0.0245	0.0755	0.0935	-0.0085	0.1435	-0.2235	0.1895	0.0095	-0.1705	1.2355	0.0415	-0.1595	0.2635	0.2545	0.1555
-0.305	0.345	-0.158	-0.109	-0.503	-0.297	-0.726	-0.935	-0.745	-0.854	-0.93	-0.81	-0.728	-0.704	-0.618	-0.204	0.179	0.187	2.915	1.514	-0.97	-0.359	3.594	2.793	0.482	-0.681	-0.759	-0.251	-0.199	0.334
-0.6535	0.2105	-0.6155	-0.0245	0.1435	-0.3465	-0.5425	0.0175	-0.0175	0.4775	-0.4475	-0.3175	0.3635	-0.6965	-1.4695	-0.2165	0.0955	-0.3635	0.6245	-0.5075	-0.9795	-1.1585	-0.9225	-0.3925	-0.1135	-0.2175	0.3085	-0.9095	-0.2405	-0.3035
2.659	0.274	-0.235	-0.078	0.399	-0.404	-0.447	-0.111	-0.077	0.801	2.42	-0.385	2.06	0.15	-0.159	1.255	-0.718	-0.383	0.468	2.594	2.645	2.711	0.331	-0.115	-0.202	-0.114	-0.252	-0.133	0.39	0.545
-0.7025	0.0525	0.0085	-0.3675	-0.2875	0.0125	-1.3835	0.1625	0.1425	-0.0775	-0.2675	0.4095	0.1185	-0.7255	-0.6705	-0.0585	-0.5875	0.7995	1.0225	0.6725	0.0575	0.2825	-1.4345	0.8825	0.2925	-0.2735	1.2175	0.1535	-0.2015	0.8125
-1.7	-2.5	-0.498	-1.362	-1.349	-0.014	-2.232	-0.764	-0.805	-0.849	-1.033	0.02	-1.001	-0.306	0.445	0.272	0.147	1.684	1.352	0.498	0.319	0.542	0.084	0.579	1.183	-0.242	1.418	0.688	1.119	0.521
-1.401	0.182	-0.537	-0.277	-0.207	-0.322	-0.689	-0.119	-0.054	-0.003	-0.442	-0.616	-0.302	-0.473	-0.598	-1.649	-1.118	-0.411	-1.556	-1.101	-1.311	0.787	-1.102	-1.191	-0.244	-0.25	-1.434	-0.909	-0.854	-1.032
-0.9995	-0.2755	-0.0235	-0.9055	-1.1755	0.0145	-1.1665	0.4245	0.4345	-1.0255	-0.2355	0.5375	-0.1285	-0.1055	1.2725	2.4675	-0.2785	1.4885	1.6545	1.2245	0.5215	0.5545	-0.2255	-0.1555	1.2245	0.4405	0.9045	-0.0635	1.0905	1.2445
-0.3895	0.7685	-0.5805	-0.0265	-0.3855	0.1705	-0.3465	0.2965	0.3265	-0.3005	0.3245	0.4005	-0.1355	-0.3905	0.1255	0.4685	-0.0405	0.0705	-0.4895	-0.9145	0.7225	-0.2995	0.2795	1.4265	-0.3155	-0.1235	-0.1265	-0.3325	-0.3055	0.7735
-0.5415	0.5595	0.4365	0.6455	1.2105	1.0035	1.2695	0.6845	0.5725	-0.4365	-1.6105	0.3645	-0.2855	0.1795	0.8155	-0.2025	0.6025	0.9255	1.1595	-1.9945	-0.7005	-1.3455	-0.0765	-0.1355	-2.0735	-0.8765	-0.4555	-0.8015	0.2305	-0.5685
0.198	0.874	-0.109	0.522	0.102	0.228	0.393	-0.061	0.004	0.076	-0.648	-0.536	-0.042	-0.231	-0.22	0.612	0.438	0.52	0.361	0.122	-0.003	-0.475	0.261	0.928	-0.154	0.321	0.122	-0.585	-0.394	0.145
0.413	0.442	-0.471	0.113	-0.024	-0.034	-0.29	0.556	0.613	-0.021	0.045	0.089	-0.368	0.15	-1.093	0.787	-0.261	-0.045	0.773	0.071	0.152	0.008	0.452	-0.038	2.241	-0.101	-1.223	-0.017	-0.448	0.54
0.178	0.172	-0.051	0.29	0.07	-0.5	-0.18	0.162	0.226	0.7	-0.267	-0.141	-0.027	-0.2	-0.389	-0.46	-0.294	0.197	0.965	0.285	0.688	-0.079	-0.129	-0.025	-0.174	-0.423	-0.192	-0.466	-0.523	-0.022
0.1295	-0.1385	-0.3805	-0.1945	0.1875	-0.1795	0.6095	1.1225	1.1415	0.4455	0.8535	0.3995	0.4645	0.1685	1.0375	0.5425	0.1455	-0.0025	0.4265	0.5945	0.4945	0.8955	0.4895	1.0535	-0.0695	0.4715	-0.3285	0.2885	1.4795	0.8575
-0.972	0.347	-0.933	-0.789	-0.746	-0.009	-0.982	2.913	3.001	-1.544	-0.801	1.248	-0.032	-1.368	0.04	-0.57	1.144	-0.994	-1.702	-1.844	-0.682	-0.657	-1.146	-0.098	-0.552	-1.305	0.068	-0.344	2.376	2.22
-0.467	0.306	-0.876	0.681	-0.487	0.425	-0.667	0.536	0.496	0.33	0.171	-0.115	0.123	-1.024	-0.82	0.166	-0.455	-0.012	0.068	1.299	-0.657	-0.681	0.181	-1.071	0.32	-0.609	-0.992	-0.582	-0.954	0.313
-0.17	0.634	0.733	0.152	-0.25	0.145	0.823	0.62	0.685	0.524	0.356	-0.733	0.934	0.988	0.926	0.131	0.338	0.029	-0.406	0.964	-0.648	0.251	0.071	-0.323	0.46	-0.003	0.575	1.056	0.731	0.738
1.0265	0.3225	0.5385	-0.1925	0.4355	-0.2285	-0.0225	0.3095	0.2915	0.2025	0.8865	-0.5345	0.2385	-0.1395	0.6645	0.8395	0.6435	0.8255	0.3635	0.3515	1.0095	1.3505	-0.7375	-0.0035	-0.4855	-0.7545	-0.2025	0.3765	0.8995	-0.4825
-0.181	0.087	0.684	0.462	0.38	0.462	0.687	0.7	0.699	0.635	0.155	-0.599	0.68	-0.536	-0.544	-0.212	0.768	0.605	0.584	1.315	0.379	-0.137	-0.09	0.015	0.063	-0.28	-0.816	-0.196	0.116	-0.295
-0.2455	0.0075	0.3905	-0.1735	-0.1275	0.2065	-0.7205	-0.7245	-0.7505	-1.0825	-1.3725	-0.9065	-0.9385	-0.7245	-1.1975	-0.9595	-0.4285	-0.0055	-0.5525	-1.5875	-0.7895	-0.3625	-0.7165	0.0875	-1.0135	-0.2075	-0.6435	-0.7505	-1.3825	-0.2565
-0.288	0.639	-0.063	0.581	0.748	-0.127	-0.812	-0.49	-0.43	-1.037	-0.529	-1.348	-0.506	0.724	-0.002	-1.012	-0.624	-0.303	-2.13	-2.29	-1.132	-0.377	0.352	-0.216	-0.32	-0.539	-1.627	-1.237	-0.645	-1.195

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018(LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-M(LUMINAL	BR95-015(LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016(LUMINAL	UB78 LUMINAL
0.0645	0.1395	-0.0545	0.4445	0.6735	0.2585	2.7165	0.5495	0.4965	0.2245	0.5865	0.3935	3.0025	0.7615	0.0815	-0.1015	-0.1315	-0.6005	-0.0555	0.8695	0.7665	-0.2785	-0.7395	-0.3835	-0.3755	-0.7425	0.1375	1.5415	0.7245	1.6685
2.2625	0.5165	-0.0365	-0.0205	0.4315	-0.2235	0.0295	-0.0705	-0.1065	0.2385	1.1905	0.0005	1.9645	0.3285	0.3125	0.3975	-0.1435	0.0245	0.2905	1.7705	1.5025	1.3885	-0.0265	-0.4695	-0.1675	0.0895	0.3195	0.3525	0.4245	-0.1635
0.8535	-0.4815	0.2575	1.2555	1.2215	-0.7555	2.0955	0.8145	0.6405	0.7695	0.4355	0.4525	-0.0915	0.7955	1.6165	0.7155	0.6765	0.2475	0.7175	1.0095	0.3485	1.4465	-0.5805	-0.5945	-0.0835	0.2295	-1.1585	0.3805	-0.1745	0.4515
-0.3685	2.5745	2.2365	-1.3055	0.9895	0.5095	1.0675	-1.4825	-1.5125	-0.5315	-1.3665	-1.1765	1.3685	1.0855	-1.5195	-0.4995	0.4055	0.6885	-4.6035	-2.1585	-4.5575	-3.4275	-3.1675	-0.1915	0.1155	-1.5205	-0.6625	-2.1025	2.4185	-1.0365
1.225	1.224	0.334	-0.284	-0.114	-0.377	2.244	0.038	0.011	1.831	1.868	-1.001	-0.574	0.549	1.955	-1.082	1.538	0.323	-0.679	0.115	0.725	0.182	0.436	0.816	1.578	2.009	-0.763	0.394	2.198	1.067
-0.641	-0.224	0.06	-0.306	-0.448	-0.106	-0.256	0.365	0.437	-1.413	-0.329	0.482	-0.337	-0.957	-0.802	0.291	-0.082	-0.414	-0.604	-0.031	-0.03	0.024	-0.334	-0.297	-0.101	0.251	1.732	0.066	0.202	-0.115
-0.176	-1.262	-0.052	0.092	0.971	1.45	1.832	2.478	2.449	2.607	1.655	3.435	3.293	0.72	1.883	1.931	1.05	1.357	3.993	3.418	2.961	1.929	1.815	1.046	-4.14	2.494	2.127	2.108	1.751	0.578
1.0565	0.0275	6.0005	-0.7845	1.6915	5.7195	-1.7485	5.8515	5.7665	4.8945	-0.2945	-1.4785	0.0485	7.9475	5.2415	-0.8255	4.5295	0.1275	3.6295	7.6475	4.8305	5.4225	3.2115	1.3595	0.0405	-0.1595	-0.3745	-0.5265	-0.1705	-0.0125
-0.512	-0.065	3.308	-2.116	0.162	3.053	-1.128	3.155	3.118	2.472	0.135	-2.056	-0.86	4.893	2.389	-1.783	2.166	0.128	1.042	4.716	2.067	3.094	1.269	1.546	0.012	-1.395	-1.207	-0.908	1.059	-1.209
-0.9265	0.9865	-1.1525	1.2635	2.7195	0.8225	3.9235	0.6425	0.7465	2.1205	-3.6565	1.7745	-0.6215	-1.3585	-2.1385	0.8095	2.2765	0.6845	0.7765	1.8675	0.4415	0.8615	2.0525	2.1315	-0.6775	-2.5435	-1.1615	-0.0045	-3.5105	-1.2655
0.1485	-0.5425	-0.1455	-0.2875	-0.5485	-0.3085	-0.2495	-1.0185	-0.8705	-0.0265	0.8385	-2.0705	-0.1695	-1.3785	-1.0475	0.5165	0.3975	-0.6165	0.8835	-1.4965	0.1505	0.0415	1.3075	2.9495	-0.1035	0.1785	0.0315	-0.6055	-1.4135	1.3035
-0.107	0.266	0.12	0.029	0.031	-0.709	0.664	0.544	0.054	1.113	0.6	0.237	0.759	-0.065	-0.568	1.148	0.664	-0.056	-0.956	0.664	0.136	-0.291	-0.238	0.606	0.077	1.032	0.253	0.472	0.57	0.111
0.462	0.603	0.157	-0.003	0.121	-0.16	-1.034	-0.128	-0.197	0.093	-0.011	-0.839	-0.27	-1.031	-0.216	-0.798	-0.313	0.003	-0.436	-0.388	-0.194	-0.424	0.066	-0.253	-0.643	-0.692	-0.234	-0.581	-0.243	-0.469
-1.335	-2.938	-1.079	-1.483	-1.108	-0.527	-2.884	0.106	0.074	-0.552	-0.175	-0.516	-0.963	0.604	0.32	1.622	0.287	1.037	1.823	0.883	0.734	0.668	0.762	1.563	0.488	0.506	1.072	-0.474	1.004	1.391
0.3915	0.2015	0.0285	-0.0405	-0.0345	-0.0585	0.1275	0.3285	0.3715	1.8355	0.4175	-0.1155	-0.5585	-0.2135	0.3595	0.1735	0.0885	-0.4005	0.5155	0.1585	-0.1995	-0.4695	0.5985	0.9805	-0.0345	0.6125	1.4605	1.8335	1.3585	-0.3265
1.1655	0.5195	0.1765	0.7835	1.1765	0.0385	0.7235	-0.7525	-0.5735	-0.2075	-0.0855	-0.2255	-0.4795	-0.9555	0.6095	-1.3395	-0.3035	0.0415	0.8375	0.3135	-0.4585	0.5215	-1.5545	0.2135	-0.2875	0.0235	-0.9085	-1.0955	-0.1075	-0.6055
0.6135	-0.0835	0.2235	-0.1315	-0.2805	0.0355	0.7575	0.9905	0.9315	0.1765	0.7785	1.7365	0.3645	0.3595	0.3185	0.6205	1.8065	1.0205	0.4335	1.1045	0.1905	-1.6945	0.8885	0.7145	-0.1655	0.1575	1.3155	1.5625	-0.8885	0.3845
-0.382	-1.019	-0.809	-0.531	-0.351	-0.488	-1.185	-0.432	-0.241	-0.085	-0.316	-1.016	-0.793	-0.222	-0.35	-0.484	0.125	0.595	2.613	0.141	0.155	0.95	0.427	0.465	0.182	0.641	0.948	0.038	0.65	-0.433
0.305	-0.251	-0.703	1.803	1.235	0.026	-0.155	0.798	0.869	-0.406	-0.167	0.789	-0.487	-0.85	-0.405	-0.985	-0.923	-0.701	-0.734	-1.278	-0.126	2.323	0.073	3.398	-0.43	-0.157	-1.387	-1.291	-1.594	-0.214
0.159	0.712	0.259	0.391	0.247	0.317	-0.11	-0.395	-0.502	-0.83	-0.448	0.158	-0.74	1.128	-1.144	-0.539	-0.449	-0.241	-1.189	-1.244	-0.907	-0.563	-0.364	-0.222	-0.678	-0.072	-0.42	-0.818	-1.225	0.144
0.548	-0.274	-0.317	-0.274	0.036	0.366	-0.762	0.536	0.516	-0.914	0.616	0.408	0.198	0.427	0.24	1.281	0.287	1.18	1.776	1.396	0.811	0.858	0.673	-0.014	0.536	-0.655	0.084	-1.149	-0.524	1.658
2.6345	0.2955	0.2925	-0.0915	0.4015	-0.3705	-0.5435	0.9245	0.9445	1.3235	3.1135	-1.5145	3.0625	1.1605	1.0485	1.6945	-0.7945	-0.3635	0.8515	2.6745	3.7655	2.7115	0.6945	-0.0415	-0.0395	-0.0225	0.3665	0.2065	2.8785	0.5735
0.6855	-0.0565	0.0005	0.1315	0.1595	-0.4125	-0.0655	0.2015	0.2915	0.2475	0.0365	-0.5555	-0.5635	0.1415	-0.1545	0.0685	-0.1515	0.0735	-0.7285	0.0625	-0.5145	-0.4105	0.0795	-0.4795	-0.5555	0.2785	0.1545	0.2095	-0.5395	-0.3845
0.219	-0.049	-0.272	0.027	-0.04	0.059	0.124	-0.043	-0.01	-0.527	-1.061	-0.184	-0.867	0.315	0.495	0.087	0.236	0.22	0.247	-0.425	0.693	0.348	0.325	2.431	-0.241	0.331	-0.048	-0.713	-0.3	1.347
0.281	1.077	0.206	0.01	1.73	0.496	-0.01	1.202	1.185	0.142	0.353	0.558	0.449	1.809	0.809	-0.355	-0.09	0.42	-0.565	-0.336	-0.844	0.31	-1.159	0.243	-1.138	-0.121	-0.114	-0.762	-0.429	-0.587
0.84	0.313	0.501	0.284	0.541	0.309	0.808	-0.43	-0.43	0.691	0.029	-0.12	-0.011	0.094	-0.196	0.742	0.785	0.24	1.139	0.869	0.694	0.349	0.639	-0.483	-0.784	-0.521	0.118	0.556	0.38	0.401
0.3635	0.4405	-0.0495	-0.3955	-1.1035	0.2085	-1.3385	-0.3565	-0.3075	-0.3655	-0.4555	-2.2245	-0.5965	0.1935	-0.9945	-0.9915	-1.4715	0.8445	2.5105	-1.7725	1.1735	-1.6275	-0.0565	-0.4535	-0.0095	0.3585	-1.7195	-0.9925	-0.6685	0.0875
0.1255	0.0905	-0.5975	-0.4785	-0.3495	-0.5595	-0.3985	0.3665	0.4135	-0.0525	0.2025	0.2245	-0.1795	-1.0895	-0.2565	0.1255	0.0965	-0.3185	-0.1665	0.5025	0.5055	0.2355	0.2455	0.0215	0.0015	-0.2875	0.5725	0.0275	0.2205	0.2755
-0.914	-0.951	-0.403	-1.028	-1.336	-0.27	-1.521	-0.299	-0.424	-0.474	0.118	-1.201	-0.283	0.126	0.531	0.585	0.031	1.222	0.796	0.482	-0.188	0.762	-0.127	0.458	0.998	0.823	1.205	0.201	0.328	0.89
0.447	-0.66	0.421	-0.321	-0.695	-0.224	0.488	0.985	0.899	0.184	-0.774	0.426	1.004	0.552	0.984	0.272	0.849	0.917	1.168	2.037	0.68	0.988	1.368	-0.238	1.288	0.849	2.36	1.157	1.398	-0.452
-0.0445	-0.0785	-0.0265	0.1075	0.4295	0.0155	-0.4435	-0.6965	-0.6895	-0.0775	-0.7325	-0.4055	-0.2445	-0.4725	-1.2855	-0.7175	-0.4525	-0.4485	0.3085	-0.5365	-0.2525	-0.9005	-0.3335	-1.3025	1.7625	-0.1005	-0.2285	-0.7015	-0.4995	-0.5575
-0.084	-0.33	0.183	0.114	0.286	-0.056	0.076	-0.661	-0.608	-0.008	0.333	0.496	0.137	0	-0.471	0.382	-0.549	0.079	-0.219	0.053	0.029	-0.201	-0.188	-0.854	-0.51	0.583	-0.993	-0.56	0.319	-0.328
0.227	0.232	0.131	-0.444	-0.689	-0.19	-0.058	0.103	0.15	0.056	0.928	0.868	0.738	-1.015	0.947	-0.112	0.595	0.046	0.437	0.135	-0.406	-0.248	-0.22	-0.144	0.873	0.461	-0.187	0.594	1.108	0.094
0.759	2.465	-0.345	0.276	-0.087	-0.034	-0.413	0.603	0.744	0.169	-1.176	1.383	0.96	1.466	-0.914	1.225	0.534	-0.308	0.447	1.173	1.329	-1.695	-0.477	0.817	0.59	0.231	1.508	0.076	0.413	0.7
-0.5405	0.2925	-0.2445	0.1375	-0.1795	-0.3595	0.1545	-0.7945	-0.5255	-0.2435	-0.0405	-0.2525	-0.6045	-0.9995	-0.2145	-1.2385	-0.2655	-0.3765	0.1545	-0.9995	-0.4405	0.1655	-0.3225	-0.7695	0.0395	-0.3215	-0.6245	-0.5885	-1.0365	-0.4605
0.2295	0.1895	0.0735	0.3655	0.4985	0.1095	-0.3495	0.4145	0.4225	0.4295	0.0145	-0.7145	0.8065	-0.4985	-0.1785	-0.1945	0.2915	0.1555	0.3505	0.9665	0.2045	0.2285	0.5005	0.8205	-0.3005	-0.8855	-0.1575	-0.1045	-0.3305	0.0325
0.596	-0.425	-0.608	1.168	0.34	-0.392	-0.571	-0.214	-0.205	0.584	-1.104	1.34	0.435	-0.418	-0.748	-0.49	0.834	-0.294	-1.82	0.623	0.02	-0.74	-0.222	0.034	0.042	-0.004	0.695	-0.594	-0.607	-0.454
0.1605	-0.2685	-0.4075	-0.2015	-0.4365	-0.1785	-0.4315	-0.0625	0.0095	-0.1815	0.1925	-0.0575	0.0045	0.2835	0.0895	0.6285	0.3665	-0.0535	0.1345	0.3905	0.0025	-0.4065	-0.0135	0.5705	-0.1255	0.1475	-0.2535	-0.0315	-0.2295	0.0135
-0.3705	0.3755	0.7635	0.2065	0.1085	0.7105	1.0175	1.5235	1.4115	2.8495	-0.5685	1.9505	3.2175	2.3895	1.0145	3.1615	1.4425	1.8855	3.3705	2.7275	0.6715	2.6785	-0.7125	3.6075	0.2755	-1.0715	1.0165	-0.2635	3.1685	0.0245
0.3215	-0.3775	-0.1715	0.2625	0.0325	-0.0765	-0.9325	-0.7405	-0.6905	-0.3775	-0.3955	0.2885	0.6995	0.2665	0.1975	1.1225	-0.6265	0.3135	0.1425	0.8775	-0.5325	-0.2595	0.9675	0.7505	-0.2895	0.0345	-0.7485	-0.1625	-0.3145	-0.7035
0.137	-0.613	-0.599	-0.398	-0.093	0.399	-0.191	0.017	-0.1	-0.884	-0.519	-0.915	-0.354	1.432	-0.429	0.068	-0.502	0.156	-1.781	-1.584	-0.488	-0.058	0.79	0.457	-0.338	0.106	-0.209	-0.901	-0.834	-0.531
0.9755	-0.7385	0.3225	0.6695	0.8495	0.9305	-0.4875	1.7065	1.6175	-0.0495	0.4865	-1.2195	0.4655	1.2575	0.7465	0.1995	-0.9055	0.6365	1.8125	2.7465	-0.9455	1.8185	-1.1485	-0.9155	-0.7745	-0.8525	-0.9735	-0.3015	1.2255	0.1985
0.388	0.318	-0.647	0.068	0.039	0.067	0.249	-0.594	-0.553	-0.396	0.139	-0.631	0.135	-0.999	-0.515	-0.127	-1.038	-0.7	-0.219	-0.54	-0.771	-0.524	-0.533	1.407	-0.06	0.033	-0.397	0.356	-0.112	-0.262
-0.496	-0.179	0.074	-0.409	-0.187	-0.467	0.349	0.082	-0.021	-0.305	-0.172	-0.352	-0.407	-0.664	0.476	-0.034	0.085	0.602	0.457	0.265	0.332	0.074	0.088	-0.335	-0.399	0.281	0.322	0.247	0.144	-0.033
-0.026	-0.996	-0.584	-0.744	-0.791	-0.504	-0.825	-0.037	-0.074	-0.206	-0.489	0.23	0.192	0.008	0.346	0.508	0.049	1.008	1.625	1.015	0.652	0.67	-0.361	-0.025	0.216	-0.387	0.497	0.864	0.53	0.333
0.48	1.334	0.31	0.644	1.908	1.724	1.99	-0.104	-0.104	1.47	0.443	-0.72	1.17	1.32	-0.82	0.76	1.94	1.17	2.137	1.072	0.69	-0.385	2.6	0.168	-0.273	1.22	0.27	-0.92	-0.96	-0.298
0.2335	-0.0545	-0.0795	-0.3745	-0.4485	-0.2165	0.4965	1.3735	1.1555	-0.2365	-0.1665	-0.2115	0.3655	0.0035	0.5855	0.9285	0.0475	-0.3115	0.0575	0.8635	0.8095	0.8755	0.5985	3.1915	2.0175	1.0075	1.5785	0.6575	-0.3365	0.7005
0.542	-0.191	1.167	-0.271	0.65	0.772	-0.24	0.138	0.194	1.125	1.28	0.717	-0.918	-1.067	-0.672	2.388	-1.219	0.979	-0.132	0.478	1.107	1.731	1.549	0.133	0.71	0.212	-0.903	0.015	1.014	0.48
0.133	-0.375	-0.15	0.197	0.228	0.081	-0.047	0.325	0.281	0.356	-0.213	-0.404	0.28	-0.094	0.448	-0.418	0.167	0.098	-0.028	-0.026	0.302	0.019	0.433	0.681	-0.578	0.406	-0.345	-0.002	-0.214	-0.041
0.663	-0.437	0.33	0.662	0.624	0.226	0.184	-1.506	-1.394	0.977	-0.579	0.755	-0.16	-0.483	-0.57	-0.848	-0.257	-0.459	0.121	-1.631	0.73	-0.052	-1.824	-0.263	-0.451	0.809	0.329	-0.116	0.843	-1.064
-0.8625	0.6265	0.4665	-0.5675	0.5405	1.5345	1.4695	1.7545	1.6555	1.4585	0.3495	1.6545	2.0785	1.9415	2.5205	1.6335	0.8785	1.1805	1.4115	1.6375	0.1885	0.5955	1.5895	0.3965	0.4245	-0.1465	0.6155	1.2715	1.4895	1.2445
2.0925	1.2115	2.0705	-0.5055	-1.1015	-0.5185	-1.6765	-0.4645	-0.4815	-0.4305	0.3045	0.7375	0.6405	1.0755	-0.5625	-0.5875	0.1035	0.4775	-0.9285	-1.1945	1.5255	-1.7095	-1.1765	-0.2695	-0.3225	0.2615	1.8405	-0.3025	-1.4595	-0.7415
1.533	2.016	2.006	-0.357	0.663	0.393	1.374	1.706	1.697	0.794	1.228	0.952	1.781	0.751	2.602	1.4	0.829	1.468	1.359	-0.473	0.45	-0.824	-0.215	-0.424	0.523	0.416	2.019	1.538	1.356	-0.021
1.685	1.482	1.776	1.242	1.312	1.518	1.202	1.628	1.961	0.934	1.165	-0.356	-0.539	-0.95	-0.622	-0.415	0.24	0.017	0.2	-0.245	0.052	0.515	0.284	0.904	-0.242	0.492	-0.426	-0.315	-1.112	0.591
-0.1685	-0.4655	-0.0105	-0.1655	-0.0255	-0.1435	1.2475	0.2855	0.3105	-0.2305	0.0685	-0.8675	0.1075	1.1465	1.1765	0.3705	0.0345	0.5355	0.1445	0.3995	0.7875	-0.2085	0.1735	0.4625	0.7795	0.1955	0.6335	0.6985	0.3265	1.0585
1.8235	-1.4765	0.6585	0.6735	0.5215	0.4735	-0.4475	0.6735	0.8165	1.1055	0.3475	-0.1655	0.9555	-0.3825	0.4495	0.5065	0.1395	0.1915	0.7815	0.4315	0.3975	0.1545	0.6215	1.4035	-1.4835	0.7945	1.9775	2.7775	-1.0915	1.4205
-0.105	0.583	0.568	-0.536	0.25	-0.418	0.776	-0.531	-0.512	0.645	-0.179	0.019	-0.218	-0.719	0.288	-0.043	0.963	-0.499	-0.176	-0.421	0.076	0.656	0.371	0.704	0.298	-0.742	-0.267	0.765	2.042	-0.359
-0.619	0.128	-0.409	0.634	0.456	0.419	1.039	0.177	0.139	0.538	0.35	1.381	0.593	1.722	-0.106	1.096	-0.169	0.297	0.008	0.706	0.857	-0.246	0.824	-0.045	-1.185	0.095	0.514	0.223	0.701	0.119
-0.168	-0.208	-0.167	-0.492	-0.175	-0.27	1.066	0.44	0.398	-0.193	0.246	-0.096	-0.365	0.143	0.801	0.13	0.223	0.045	0.055	0.573	-0.177	-0.307	0.602	-0.428	0.061	-0.315	0.331	0.019	0.364	-0.122
0.611	0.586	0.447	0.362	0.364	0.475	0.278	0.434	0.487	0.2	-0.058	-1.284	-0.426	-0.281	-0.55	-0.291	0.229	0.362	1.046	-0.331	-0.379	0.241	0.66	0.343	-1.252	-0.154	0.329	-0.132	-1.039	0.795
-0.5335	-0.7305	-0.0415	-0.1875	-0.1815	-0.3995	-0.8015	-0.6355	-0.4145	-0.3295	-0.3975	-0.9155	-0.3815	0.1245	-0.0325	0.0645	-0.3595	0.3355	0.7705	0.2605	0.3225	-0.0065	-0.0065	0.2265	-0.0765	-0.1415	0.1295	-0.1685	0.1175	0.5525
-0.958	-1.101	-0.58	-0.48	-0.765	-0.557	-1.252	-0.264	-0.196	-0.336	-0.414	0.578	0.128	0.35	0.264	0.784	0.546	1.177	1.158	1.299	1.12	0.416	0.529	1.016	0.683	0.623	0.007	0.351	0.881	0.17
-0.554	0.029	-0.255	-0.148	-0.001	-0.316	0.001	0.069	0.197	-0.037	0.231	-0.984	-0.306	-0.323	-0.728	0.343	0.336	-0.295	0.361	0.031	-0.213	-0.853	0.688	-0.255	-0.576	-0.808	-0.796	0.142	-0.14	-0.765
0.912	0.73	0.541	-0.097	0.276	0.008	0.296	0.98	0.888	0.551	-0.072	-0.018	0.014	-0.366	0.952	0.163	-0.185	0.457	-0.126	0.707	-0.038	0.872	0.02	-0.416	-0.182	-1.02	-0.514	0.407	0.389	0.135
-0.97	0.761	-0.508	1.558	2.138	0.163	-0.546	0.442	0.226	1.166	-0.96	1.338	-0.024	-0.002	-0.934	0.643	1.348	0.243	0.218	0.636	0.49	-0.648	0.501	1.421	-0.348	0.319	-0.636	-1.016	-1.019	-0.462
1.071	-0.317	0.16	1.127	0.074	0.684	-1.165	0.935	0.849	0.603	0.345	-0.913	-1.41	-1.501	-1.706	-0.263	0.174	0.135	1.424	0.047	-0.697	-0.058	0.474	0.303	0.535	0.318	-0.878	-0.717	-1.261	0.048
0.495	-0.791	0.162	-0.167	0.348	-0.19	0.985	0.6	0.659	0.011	0.427	0.281	-0.184	-0.146	-1.025	0.001	0.006	-0.029	1.3	0.574	0.157	0.133	0.509	0.317	-0.363	-0.226	-0.783	-0.016	-0.001	0.453
-0.624	0.136	-0.533	0.008	0.074	0.205	-0.297	-0.104	-0.133	-0.107	0.108	0.265	0.341	-0.184	-0.95	0.352	0.247	-0.472	0.421	-0.008	-0.13	0.644	0.209	0.23	-0.921	-0.387	0.257	-0.493	0.347	-0.104
-0.387	0.08	-0.453	0.002	-0.332	0.483	-1.16	-0.837	-0.802	-0.318	-0.548	-0.566	0.348	-0.602	-1.488	-1.628	0.246	-0.348	-0.11	-0.693	0.12	-0.248	-0.192	-1.59	-1.012	-0.764	-0.658	-0.757	-0.843	-0.438
0.072	0.845	0.801	2.111	1.055	0.444	0.891	2.036	2.014	1.118	3.798	1.103	1.8	2.688	1.645	3.815	1.858	1.696	0.995	1.403	0.146	-0.613	1.072	1.377	2.328	-0.188	2.118	3.319	1.125	0.399
-0.3745	0.4695	-0.3355	-0.1815	0.2475	-0.2915	0.3005	0.4075	0.4035	0.2565	-0.3685	0.0355	0.1685	0.0275	0.1765	0.1835	-0.3395	-0.6875	0.6765	0.6835	-0.0385	-0.0555	-0.0325	-0.1325	-0.1525	-0.4685	-0.0535	0.1655	-0.2515	0.3435
-0.831	1.132	1.045	-0.008	1.161	0.325	0.101	-0.886	-0.928	0.334	-1.584	0.49	-0.204	-0.46	-0.245	-0.674	-0.343	-0.354	-0.322	0.123	-0.225	0.662	0.562	0.827	-0.033	-1.536	-0.487	-0.925	0.298	-0.524
-1.0785	0.0645	-0.5455	-0.1585	-0.6775	-0.3025	-0.7385	0.9255	0.9135	0.5265	-0.3675	0.3575	-0.7745	-0.7215	0.0875	-0.1185	0.1665	0.3585	1.1595	0.0695	-0.6745	-0.1235	-0.5765	0.1275	1.9265	0.2655	-0.9915	-0.3745	-0.2405	-0.2115
-0.2375	0.3725	0.2565	0.7505	0.1165	0.5805	0.4425	0.0615	0.0045	0.1735	-0.4755	1.0165	-0.2085	1.8705	0.6355	0.2525	0.2605	0.5545	-0.4355	-0.4645	-0.2065	0.4005	0.8165	0.0905	0.2525	0.6465	0.5005	-0.2255	-0.0645	0.4815
1.073	3.131	2.792	1.132	0.968	3.113	2.1	0.595	0.675	1.639	0.6	2.321	0.99	2.601	1.142	3.159	-0.208	2.333	0.339	-1.035	2.315	-0.257	1.557	-1.65	-0.34	-0.521	0.767	0.805	-0.47	0.014

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018(LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-ME LUMINAL	BR95-015(LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016' LUMINAL	UB78 LUMINAL
-2.242	-0.12	-0.505	-1.527	-1.784	-1.522	-1.063	-0.538	-0.521	-0.507	-1.031	-0.687	-1.137	-0.118	-0.159	-0.839	-0.43	-0.522	-2	-2.39	-1.696	-1.461	-0.648	-1.731	-0.297	-1.012	-0.401	0.706	1.636	1.401
-0.21	-0.239	-0.546	0.188	0.235	-0.221	-0.264	0.001	0.007	-0.377	-0.125	0.477	-0.056	0.994	0.504	-0.26	0.07	0.124	-1.172	-0.026	-0.684	0.098	0.102	0.369	0.306	0.412	-0.48	0.401	0.745	0.241
-0.2625	0.0785	-0.3065	-0.0055	0.3325	0.2285	-0.5245	-0.0935	-0.0275	0.0205	0.4775	0.0405	0.2655	0.9955	-0.0685	-0.0305	-0.1845	-0.2575	0.0595	-0.7145	-0.4875	-0.4175	-0.3705	-0.6435	-0.2805	-0.2455	-0.8745	-0.8885	-0.3595	-0.3285
0.691	1.337	-0.142	0.378	1.057	1.183	2.084	0.341	0.508	0.871	-0.289	1.969	0.911	2.758	2.037	1.706	0.728	1.503	1.915	0.16	1.412	1.39	0.365	-0.363	-0.341	0.331	0.279	-0.82	1.353	0.035
-2.018	1.351	-0.044	-0.304	-0.813	1.541	-0.09	0.039	0.129	-1.641	0.168	3.179	1.403	2.325	0.297	1.949	-0.919	0.666	-1.651	0.076	0.963	0.36	0.575	0.501	-0.241	-1.084	-2.14	0.574	-0.248	-1.135
-2.109	1.518	-0.128	-0.227	-0.757	1.719	-0.24	0.321	0.198	-0.339	0.083	3.225	1.429	2.139	0.193	1.963	-1.432	1.143	-0.404	0.123	0.784	0.036	0.669	0.083	-0.617	-1.731	-2.512	0.421	-0.476	-1.051
-0.003	0.24	-0.006	0.439	0.155	0.151	-0.087	0.336	0.187	0.178	-0.204	0.046	0.513	0.454	-0.318	-0.027	-0.329	-0.126	-0.17	0.012	0.051	-0.223	-0.228	-0.092	0.067	0.37	0.013	-0.255	-0.332	0.048
0.0395	0.2245	-0.3935	0.2305	-0.0575	-0.0395	0.0185	0.0375	-0.2905	0.2225	-0.2455	0.0195	-0.1445	0.5925	0.2055	0.1085	-0.1375	-0.0295	0.5585	-0.2535	-0.2505	0.2365	0.0065	1.3335	-0.2875	0.1645	-0.3065	0.0125	0.1075	0.4405
-0.541	0.161	-0.538	-0.374	-0.729	-0.435	-0.549	-0.505	-0.396	-0.702	-0.48	0.292	-0.733	-0.56	-0.41	-0.236	-0.436	0.098	0.782	-0.74	-0.393	0.259	-0.414	-0.518	-0.221	0.695	0.394	-0.036	0.423	-0.149
-0.881	-0.739	-0.313	-0.902	0.939	-0.635	-1.32	-0.878	-0.878	0.117	-0.48	5.104	-0.81	0.256	-0.104	2.96	-0.431	-0.716	-1.115	-0.467	-0.702	-1.095	-0.8	-0.651	-0.94	0.678	0.193	0.439	-0.198	-0.219
0.9265	1.2625	1.4935	0.7365	0.4345	1.4235	0.9515	0.9985	1.0295	0.3125	0.7635	0.3995	0.7805	1.6385	0.6415	-0.0785	1.2495	1.7945	-1.5315	1.8635	0.7495	2.3205	-0.1215	0.0785	0.1435	-0.2555	-0.4885	-0.3025	1.7335	0.4385
0.8025	1.9185	1.4195	0.8705	0.3745	0.6175	-2.2615	-0.5035	-0.4045	0.0235	-1.2815	0.9325	-0.1015	1.2705	1.3065	0.6095	1.0385	0.5165	0.5185	-1.2725	-0.4875	-0.4665	2.4225	0.4485	0.4315	-1.3055	-0.9615	0.6505	-0.4435	0.6965
0.053	-0.333	0.4	0.422	0.416	0.638	0.212	-0.19	-0.174	0.233	1.002	0.097	0.142	-0.055	-0.147	0.169	0.09	0.24	0.597	0.411	-0.436	-0.095	0.461	-0.012	-0.446	-0.001	0.364	0.095	-0.034	0.372
0.946	-0.327	-0.566	-0.347	0.633	0.856	-0.443	2.217	1.112	0.774	0.705	1.64	0.281	0.287	0.113	-1.035	0.125	1.276	-0.557	1.914	-0.772	1.905	0.868	0.724	-0.671	0.199	-0.086	-1.034	0.42	-1.08
-1.3305	0.0535	0.9025	-0.1145	-0.8225	1.0295	-0.5985	0.4025	0.4325	-1.6135	-0.2385	-1.5135	0.3085	-0.7465	0.1645	-1.4035	-0.9245	-0.1355	-0.6055	-1.7465	-0.2635	-0.4235	-1.3455	-1.3385	-0.3695	-0.7755	-1.0585	0.9335	-0.1845	1.4695
0.303	0.599	0.304	0.121	0.911	-0.038	0.101	1.433	1.36	-0.107	0.974	-0.098	0.157	-0.178	0.569	1.314	-0.853	-0.448	0.235	0.433	-0.196	-0.221	0.176	0.369	-0.069	-0.734	-0.629	0.026	2.913	-0.662
0.0275	0.8045	0.0725	0.0525	0.1105	0.0015	0.3235	0.0185	-0.0355	0.3285	-0.2645	-0.4465	3.1405	1.3095	-0.0555	0.1075	0.1925	0.1235	2.1135	0.0635	3.7865	-0.2105	0.4005	0.2015	-0.3225	0.1205	0.4625	0.1675	-0.2215	0.3965
-0.4675	-0.3655	-0.5565	0.0415	-0.2075	0.3105	-0.8325	0.8385	0.7305	1.1075	-1.1375	-0.5105	-0.3065	-1.9335	-1.4265	0.1925	-0.0675	0.3505	-0.1285	-0.6935	-1.4715	-0.5625	-0.0985	-0.7025	-0.8625	-0.2755	0.2315	-0.0205	-0.3495	0.1295
0.1575	-0.6435	-0.4765	-0.4065	0.0715	-0.0995	-0.2945	0.0475	0.0885	-0.0575	0.0815	-1.4615	-0.2915	-0.7395	-0.0265	-0.1615	0.0765	0.0195	0.5025	0.1595	0.2935	0.4095	-0.1395	0.4905	0.4485	0.2175	0.3815	0.2165	0.2115	0.8305
0.909	-0.361	-0.164	0.166	-0.076	0.538	1.569	0.855	0.612	0.94	-0.662	-0.152	0.309	-1.109	-0.795	0.645	0.5	0.831	0.34	0.395	1.594	0.368	-0.554	-0.229	-0.535	0.26	-0.769	0.31	-0.787	-0.781
0.136	0.12	0.506	0.422	-0.324	0.201	0.122	0.057	0.621	0.826	0.153	0.201	0.111	-0.005	0.096	0.49	-0.149	-0.232	-0.215	-0.167	0.104	0.119	-0.171	-0.114	-0.238	0.301	0.372	0.188	0.178	-0.52
0.4145	0.9595	-0.7255	0.3265	0.1875	-0.0875	-0.7455	0.1825	0.3265	-0.1205	-0.6235	-0.5255	-0.2655	0.0745	-0.6055	-0.4455	-1.2955	0.0145	-1.9955	0.5775	-1.8055	-0.4115	-1.0255	-1.7305	-1.6295	0.2645	0.8645	0.1845	-1.8055	0.0275
-1.428	0.318	-1.092	-0.387	-1.008	-0.466	-2.214	-0.174	-0.128	-0.363	-0.669	0.08	-0.509	-1.204	-0.403	-2.453	-1.461	-0.757	-1.725	-0.165	-0.414	-0.625	-1.076	-0.106	0.578	0.031	0.461	-1.014	-1.95	0.681
0.6295	0.3205	0.4725	0.2645	0.1935	0.0005	-0.0735	0.5965	0.5385	0.5895	0.0115	-0.3905	0.1055	-1.2395	-0.4405	0.3285	0.8075	0.0795	0.5005	-0.7065	-0.1945	-0.5755	0.2575	-0.8235	1.3655	0.2825	0.1285	0.0105	-0.1615	-0.2285
-0.713	-0.321	-0.178	0.105	-0.002	0.002	0.035	-0.256	-0.313	-0.141	0.085	0.198	0.109	0.091	-0.083	-0.127	-0.235	-0.029	-0.675	-0.227	-0.185	-0.358	0.15	0.172	-0.029	0.144	-0.078	-0.037	-0.067	-0.039
-0.3285	-0.1315	0.0065	-1.4455	0.3335	-0.3635	3.6815	-1.5445	-1.8805	0.0425	-0.5395	1.5395	-0.3555	-0.5195	-0.6325	-2.0565	0.1425	-0.3285	-0.4485	-2.5695	-2.5455	-1.3745	-1.3415	-0.5385	0.2585	-0.6635	-1.2615	-0.3535	-1.4945	1.5555
-0.985	-2.626	-0.421	-1.037	-0.723	-0.478	-1.58	-0.351	-0.349	-0.677	-0.354	-0.397	-0.769	-0.44	0.295	0.121	-0.58	0.808	1.263	0.236	0.629	1.063	-0.599	0.259	0.774	0.261	0.976	0.334	0.652	0.837
1.554	0.142	-0.625	0.26	0.054	0.583	0.979	0.246	0.243	0.552	1.196	0.452	2.717	3.187	0.933	2.782	-0.09	3.913	0.168	2.437	2.887	2.026	1.301	0.819	-0.188	1.858	3.044	0.299	1.572	3.255
-0.1055	-0.8125	-0.2165	-0.5165	-0.4095	-0.3515	-0.7405	-0.3345	-0.2255	-0.7765	0.4415	-0.0635	-0.5425	-0.1235	-0.1485	-0.8115	-0.3305	0.0785	0.3415	-0.0735	0.2645	-0.0495	0.0375	1.1595	0.5825	0.6655	-0.0655	-0.1945	0.6135	0.2625
0.779	1.329	1.72	0.321	0.872	1.136	0.904	0.917	1.021	1.27	-0.836	0.821	1.758	0.276	-0.066	0.398	0.385	1.053	-0.035	0.236	0.752	-0.88	0.26	0.271	0.831	-0.371	0.872	1.249	0.552	-0.477
0.4455	0.3065	0.2295	-0.0475	0.3655	-0.1035	0.4505	-0.3195	-0.2515	0.6815	-0.1665	-0.7975	0.5115	0.1995	-0.0175	0.5155	0.5255	0.4715	1.0715	1.1775	0.6045	0.5035	0.6545	-0.0585	0.1355	0.1435	-0.3415	0.4635	-0.0915	-0.0005
-1.644	-0.545	0.551	-0.661	-1.489	0.076	-1.058	0.52	0.501	-0.618	-0.996	0.498	0.598	-0.472	-0.412	0.768	-0.817	0.212	-1.25	-0.945	-0.435	-1.572	-0.424	0.246	0.123	1.217	2.508	0.146	1.461	0.169
-1.0035	-0.8985	-0.6715	-0.1115	-0.2255	-0.0635	-0.5285	1.1935	1.2475	0.2455	-0.2785	0.5395	-0.1265	-1.1975	-1.0335	0.6425	-0.6495	-0.0085	-1.7385	-0.8875	-1.3405	-0.4745	-0.1395	0.3195	0.3145	1.1805	1.8585	1.2395	1.0895	0.7515
-0.7355	-0.3585	-0.5595	0.1595	0.1845	-0.0785	-0.3595	-0.4385	-0.4195	-0.6105	-0.2515	0.6945	0.5685	0.0945	-0.1665	0.2055	-0.7245	-0.4805	-0.9715	-0.6185	-0.4505	-0.4325	-0.2335	0.4865	-0.1635	0.2975	0.9015	0.1175	0.9885	0.0505
0.2095	0.2235	0.4655	0.3185	-0.5125	0.5465	-0.5535	0.1355	0.1485	0.3255	-0.5855	-0.7445	-0.2665	-0.7575	-1.1335	-0.6895	0.2535	0.0115	0.7645	-0.4775	-0.6235	-0.9465	-0.1135	-0.2635	-0.3765	0.1255	-0.2475	-0.0705	-0.6525	-0.0625
0.3155	-0.5535	-0.3755	0.6595	0.6345	0.3215	0.5775	-0.0895	-0.0735	0.0325	-0.6505	0.3765	0.2195	-0.8075	-0.1615	-0.2775	-1.1215	-0.4045	0.4805	-0.5255	0.6235	-0.1215	-0.3585	-1.5715	0.1175	-1.3215	-0.7955	-1.3025	-1.2555	-0.4965
-0.653	-2.332	-0.363	-0.402	-1.276	-0.328	-1.854	-0.164	0.024	-0.287	-0.409	-0.233	-0.082	0.099	0.019	0.462	0.582	1.5	2.209	1.363	0.308	0.751	-0.316	0.472	2.436	1.753	1.266	-0.005	0.126	1.005
-0.1565	-1.2675	-0.8465	-0.6805	-0.5515	-0.3215	-1.2135	0.2235	0.2745	-0.9145	-0.5785	-0.0125	-0.6215	0.6545	-0.0165	0.8025	0.0285	1.3715	1.5705	1.4535	1.0135	-0.2395	0.3045	-0.0105	0.1145	0.7775	2.5745	0.0305	-0.3305	1.1285
-1.4215	-1.1555	-1.2815	-1.4075	-1.1105	-0.3555	-2.2675	-0.6045	-0.5125	-0.6685	0.9625	0.0845	-0.4015	0.2745	0.5275	0.6505	1.1525	1.1635	1.8685	0.9685	-0.2555	0.3545	-0.2675	1.1125	0.3055	0.4075	1.6265	0.6925	-0.4205	0.8715
-0.9985	-1.7595	-0.8675	-1.8885	-1.3195	-0.7135	-2.3565	-0.4015	-0.3465	-1.3765	-0.5015	-0.8455	-1.3615	0.2395	1.4075	0.8905	-0.3605	0.4595	1.2515	1.5225	0.1575	0.4475	0.6325	0.3235	1.0955	-0.1995	0.4815	0.1535	0.9075	2.0035
-1.276	-1.666	-0.478	-0.713	-1.097	-0.718	-1.665	0.339	0.367	-1.903	-0.267	-0.816	-0.805	-1.847	-0.267	-0.808	-1.383	-0.113	1.314	0.817	-0.386	0.476	-1.539	-0.658	1.249	-1.411	0.08	0.153	1.314	-0.265
0.997	0.338	0.592	-0.454	-0.539	-0.739	1.028	-0.732	-0.826	0.728	1.019	-0.141	0.726	-2.101	0.737	0.257	0.933	-2.503	1.121	0.577	0.394	1.166	0.109	1.439	0.646	0.988	0.989	1.11	0.996	1.947
0.0345	-1.7395	-1.9865	-0.9835	-0.9625	0.5955	-0.0705	-0.3595	-0.3805	-0.7335	-1.1385	-1.3455	0.8085	-1.3785	-0.0985	-0.2815	-0.7625	-0.4475	0.5985	-2.6905	-0.9655	-1.2065	-0.8585	0.9135	-0.4915	-0.5745	-0.4245	-0.5815	-0.7085	-0.2915
0.052	-0.027	-0.398	-0.181	-0.618	0.225	-0.638	-0.685	-0.685	-0.66	-0.868	-0.11	-0.117	-0.559	-0.014	0.014	0.099	0.447	0.329	0.015	0.886	0.328	0.806	0.695	0.167	-0.836	0.565	-0.431	-0.448	1.05
-0.8705	0.4375	-0.3275	-0.1415	0.3075	-0.1105	0.1055	-0.3915	-0.3885	-0.1615	0.3215	0.2805	-0.4945	0.0715	0.4255	-0.0925	-0.6125	0.2565	0.3275	-0.9855	-0.0175	0.3585	0.0945	0.2385	0.6685	0.4745	0.0645	-0.1915	-0.4935	-0.0155
-0.0635	0.4075	-0.7095	-0.4725	-0.5135	0.0775	-0.7035	0.3955	0.4245	-0.1095	-0.1625	0.3395	0.1015	1.5775	1.3435	-0.0365	0.2085	1.3115	1.4345	1.6385	1.5155	1.2085	0.5405	1.4885	-0.4505	0.0005	0.0135	0.8545	1.2985	1.1655
-0.5205	-1.6705	-0.6025	-0.5915	-0.8595	-0.3865	-2.3385	-0.0295	0.0495	0.3675	-0.7665	-0.2615	-0.4525	0.1795	-0.6565	0.8165	0.5415	0.3685	1.9615	0.8345	0.3735	0.7135	-0.1925	0.9825	0.3665	1.3705	1.2345	0.2245	0.5745	0.3385
-0.207	-2.251	-1.249	-0.731	-0.819	-0.777	-1.484	-0.241	-0.289	0.229	0.224	-0.475	-1.009	-0.387	-0.81	0.764	-0.107	0.456	1.199	0.518	-0.011	-0.154	0.266	1.427	0.839	0.481	0.434	0.528	0.015	0.536
-0.005	0.13	-0.082	-0.059	-0.448	-0.165	0.313	0.229	0.078	0.081	0.377	0.082	-0.355	0.053	0.668	-0.534	-0.128	0.287	0.31	0.742	0.933	0.577	-0.08	0.291	0.139	-0.525	-0.564	-0.146	0.39	0.396
0.0185	1.6735	0.9755	0.9295	1.4345	1.0475	1.5645	1.1055	1.2195	1.0205	0.7665	2.0725	1.9285	1.1285	0.6215	1.1295	1.6315	1.5075	1.0165	0.7235	0.9195	-0.6685	1.3295	-0.1465	-0.6185	1.7505	-0.0135	1.4655	1.0425	1.0315
-0.576	-2.041	-1.013	-0.81	-0.712	-0.551	-1.201	-0.595	-0.516	-0.456	-0.11	-0.599	-0.39	0.039	-0.079	0.017	-0.129	0.483	0.148	0.166	-0.322	0.128	-0.519	0.158	0.716	0.242	0.568	0.168	0.549	0.169
-0.62	-0.338	-0.024	-0.636	-0.526	-0.056	-0.46	-0.656	-0.546	-0.706	0.274	-0.046	-0.464	-0.324	0.377	0.542	0.246	1.213	0.914	-0.306	0.77	0.824	0.176	0.394	0.954	0.127	0.738	0.128	0.64	0.874
-1.616	-3.121	-0.556	-1.546	-0.533	0.056	-2.678	-1.26	-1.325	-0.874	-1.355	-0.7	-0.852	-0.014	0.008	0.542	0.262	1.326	1.271	0.124	-0.148	0.072	0.213	0.034	0.601	-0.651	0.427	0.196	0.675	0.461
-0.137	0.289	0.149	-0.064	-0.302	-0.208	-0.14	0.94	0.793	-0.543	-0.174	-0.433	0.323	0.108	0.306	-0.288	-0.247	-0.23	-1.3	0.029	-0.428	0.407	-0.322	0.172	-0.3	-0.711	-0.433	-0.185	0.139	0.336
0.3675	-0.3885	-0.2885	-0.0035	-0.2195	-0.0195	0.0605	-0.4565	-0.4155	-0.5235	0.1875	0.1875	-0.0475	0.4125	0.0095	-0.1815	-0.0995	-0.2825	0.6245	-0.1835	0.6785	0.4175	-0.0455	0.1895	0.2945	0.0555	0.3155	0.1765	0.8895	0.0845
1.2975	0.1145	0.6465	-0.2265	-0.2425	-0.1155	0.1705	1.0095	0.9155	0.9125	0.5295	0.0815	0.3805	0.4545	0.3285	0.2855	0.5895	0.6045	2.1425	1.1415	0.7145	0.6425	0.5165	-0.4135	-0.5695	0.6385	1.2275	0.1805	-0.3005	0.5225
-0.991	1.954	-0.534	0.055	3.873	-0.137	0.506	4.572	4.465	3.19	1.564	-0.267	4.42	1.862	3.191	0.123	0.714	-0.175	1.196	1.152	3.936	1.14	0.274	0.957	0.468	-0.105	1.48	-0.323	5.864	-0.163
-0.8855	0.4475	-0.1765	-0.6325	-0.0405	0.1305	0.5065	1.1195	1.1155	0.3265	0.1495	-0.6855	0.2955	0.2665	1.2275	1.0035	-0.5795	0.6215	0.9495	1.3185	0.6055	0.3935	-1.1125	0.1185	-0.3605	-0.4295	-0.7625	-0.4195	-0.8135	-0.1315
0.2465	1.0025	-0.1535	-0.0765	-0.3135	-0.0685	-0.3465	1.4185	1.3485	0.3525	0.4135	-0.6585	0.0765	-0.3915	-0.4305	1.2615	0.7585	0.4795	0.9555	0.6475	0.2125	0.0065	0.6195	1.0935	2.5575	1.8005	-0.6985	1.6065	0.8395	0.2715
0.5315	0.6405	-0.3775	-0.0455	0.9855	1.3815	2.3255	0.0105	-0.0545	1.8765	0.7405	0.2675	-0.2805	0.4875	0.4255	1.8425	1.7745	1.3005	1.4625	2.0285	0.4965	-1.4235	1.0595	1.4075	-1.3375	0.2445	0.8575	0.8665	0.5685	0.5685
-0.215	0.316	0.576	-0.053	0.325	-0.162	1.434	1.143	1.1	0.691	1.585	0.077	2.526	1.452	1.293	2.052	1.021	1.039	0.888	0.688	1.007	0.148	1.093	0.883	-0.775	0.372	-0.547	1.043	1.325	-1.569
0.187	-0.865	2.256	1.166	-0.965	-0.389	-2.182	1.004	1.016	0.568	-1.778	-0.679	1.024	-1.21	-0.13	-1.752	-0.979	1.005	-0.648	-2.163	2.531	-1.506	-3.273	-0.294	1.426	-0.761	-1.491	-1.373	-2.772	0.194
-0.71	-0.437	-0.71	-0.367	-0.597	-0.487	-1.982	-0.387	-0.317	0.073	-0.007	0.071	-0.81	-0.012	-0.342	0.105	-0.472	0.478	1.213	0.973	0.826	0.603	-0.312	0.803	0.243	-0.347	1.459	0.104	-0.133	0.943
0.1655	-0.0105	-1.0885	-0.1765	-0.2715	-0.0455	-0.2295	-0.5445	-0.5155	-0.2125	-0.5245	0.0185	0.1085	0.1405	0.6405	0.6235	-0.0575	0.4885	0.1455	-0.4345	0.6475	0.4985	-0.3855	0.3435	-1.3285	0.5485	-0.0615	-0.3115	-1.0955	0.7805
0	0.223	0.058	-0.462	0.108	-0.344	0.738	-0.563	-0.544	-0.023	0.107	-0.42	0.478	0.17	-0.028	0.41	0.176	0.514	1.038	0.834	-0.161	0.352	0.39	-0.016	-1.385	0.519	-0.263	-0.183	0.76	0.026
0.591	0	0.333	0.176	0.329	0.279	0.876	0.478	0.404	0.656	0.122	1.074	0.879	0.47	0.498	1.117	0.51	0.633	0.39	0.516	0.411	0.333	0.441	0.074	0.282	0.438	0.639	0.495	0.082	0.517
-1.474	-0.357	-1.312	-0.772	-0.06	1.129	-0.767	1.657	1.643	-0.119	-1.212	1.604	0.627	-0.635	-0.346	-0.603	-1.369	-0.019	0.697	-1.452	-1.471	-0.785	2.097	-0.409	-1.013	-1.165	0.89	-0.11	-0.018	-0.08
-0.747	-0.301	-1.552	-0.758	-0.871	0.173	0.108	0.935	0.93	0.322	-1.68	-1.171	-0.341	-2.166	-1.871	-1.441	2.715	-1.554	-1.186	-1.146	-2.026	-2.631	-2.07	-1.644	-1.739	-2.029	-2.063	-1.648	-1.696	-0.727
-0.499	0.174	-0.529	-0.548	-0.262	-0.321	-0.035	-1.021	-1.022	-0.596	-0.689	0.199	1.082	0.525	-0.291	2.316	-0.866	0.11	-0.024	0.601	-0.527	-0.583	0.189	0.632	-0.925	-1.053	-1.178	-0.798	-0.439	-0.845
-0.387	-0.217	-0.244	0.091	-0.219	-0.089	0.009	-0.292	-0.238	-0.367	0.086	0.052	-0.223	-0.045	-0.066	0.122	-0.351	-0.221	-0.178	-0.298	0.127	0.199	-0.203	-0.073	-0.013	-0.149	-0.169	-0.165	0.081	-0.227
-0.463	0.083	-0.125	-0.116	0.028	-0.19	-0.261	0.639	0.558	-0.228	-0.117	-0.023	0.107	-0.042	0.336	-0.654	-1.004	0.227	0.794	-0.191	-0.196	0.006	-0.344	-0.27	-0.217	0.037	-0.293	-0.009	0.083	0.025
-0.2965	-0.1495	-0.1395	0.5115	-0.0065	0.1955	0.1115	-0.7045	-0.6545	-0.7455	-0.0745	0.0435	-0.1275	0.1585	-0.0935	-0.0485	-0.3685	-0.3165	-0.7115	-0.4845	-0.0665	-0.2255	0.0135	0.3075	0.1285	0.1515	0.0935	0.2045	-0.0985	-0.0955
0.203	0.499	0.665	0.352	-0.112	0.355	0.434	-0.355	-0.444	0.46	-0.416	-0.171	0.407	0.042	-0.534	0.508	0.474	-0.324	0.597	0.696	-0.047	-0.029	0.736	0.271	-0.664	0.435	1.177	0.348	-0.148	0.159
0.3875	0.2485	0.2525	-0.4595	-0.1395	-0.0735	-0.5345	0.4585	0.3885	0.1695	0.0285	0.4075	0.2225	-0.3475	0.2705	0.1765	0.0835	0.1015	-0.4045	0.6935	-0.1015	0.2915	-0.0835	-0.5205	-0.1765	0.0145	0.4315	0.3925	-0.0975	-0.0165
-0.116	-0.322	0.278	-0.017	0.452	-0.037	0.133	-0.048	0.039	0.774	-0.5	-0.492	-0.002	-0.118	0.181	-0.02	0.591	-0.012	-0.286	0.407	0.472	0.281	0.218	0.101	0.124	-0.177	0.002	0.888	0.348	-0.385

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018(LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-M(LUMINAL	BR95-015(LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016(LUMINAL	UB78 LUMINAL
0.7675	-0.1825	-0.4385	0.6485	-0.0455	0.0395	0.3035	0.3115	0.3965	0.0175	0.2715	-0.3275	-0.4565	-0.1905	-0.4705	-0.3165	0.3035	0.2205	1.4355	0.0295	-0.4805	0.2455	0.1765	0.0805	-0.0475	0.2745	0.4655	-0.1955	0.0055	0.3375
0.6925	0.4925	-0.0555	0.1705	-0.1825	0.0945	-0.0525	0.6305	0.5985	-0.3655	0.4465	-1.9655	-0.4765	-1.0505	-0.9525	0.1145	0.7555	0.2165	-0.1485	0.1625	-0.3395	-0.3745	-0.1425	0.0375	-0.6315	-0.0515	0.7275	0.5895	-0.3105	-0.3385
0.1905	-0.3745	0.2855	-0.5135	-0.3415	0.1945	-0.7475	-0.5605	-0.5035	-1.1365	-1.0365	-0.1995	-0.5195	-0.7675	-1.3635	-0.7565	0.1285	0.4155	-1.4205	-2.2455	-0.0785	-0.9135	0.0245	-1.0935	-1.2585	-0.4125	-0.5195	-1.0005	-1.0695	0.0535
-0.0555	0.0855	-1.1305	-1.3815	-1.4755	0.1995	0.0955	1.1645	0.8125	-0.3485	-0.0475	-0.8965	-1.9395	-1.4825	0.1425	-1.5235	-0.3775	0.7255	0.4345	1.6575	1.0525	1.7775	-2.0325	-0.1305	0.8285	-1.0415	-0.4175	-0.5395	-1.6135	0.6915
-0.747	-0.967	0.091	-0.621	-0.083	-0.087	-0.982	-0.549	-0.613	-0.542	-0.48	0.46	0.773	0.21	0.208	0.728	-0.111	0.999	1.841	0.944	-0.63	0.3	0.149	-0.005	-0.145	-0.063	0.647	0.265	-0.35	0.858
-0.804	0.034	0.088	-0.284	-0.972	0.305	-1.05	-0.174	-0.128	0.138	-0.511	0.613	-0.714	1.263	0.036	0.919	-0.105	1.109	1.648	0.782	-0.064	0.596	0.015	0.283	0.371	0.017	0.702	-0.015	0.132	0.732
0.8775	-0.6985	-0.6355	-0.3965	-0.1735	-0.4105	0.0005	-0.1125	0.2525	0.0115	0.6215	-2.0675	-0.0095	0.4675	1.1805	-0.2525	-1.3215	-0.5765	-0.1995	0.3025	-0.7915	0.3495	0.3075	0.4045	-0.7985	0.4215	-1.2685	0.4055	-1.0445	-0.0245
0.4665	0.4005	-0.0305	-0.4875	0.5695	-1.1385	1.3915	0.8515	0.8185	-0.1225	-1.0215	-0.5835	0.0645	0.6915	0.8545	1.8655	-0.1455	-0.4885	0.1165	-0.6855	-0.2685	-0.5795	-1.2795	1.8055	-0.5685	2.5495	0.7315	0.8255	-0.0025	1.0485
-0.7335	-0.3615	-1.0105	-1.5945	-0.3165	-0.4315	0.0595	0.2915	0.2525	-0.1525	-0.8105	0.9035	0.4085	0.3475	0.6885	0.1785	-0.5015	-0.6275	-1.1445	0.0885	-0.2165	-0.5965	-1.2775	0.6365	0.4195	-0.8925	-1.0125	0.2725	-0.2405	0.2585
1.5615	0.5245	-0.1725	-1.0275	-0.5475	-0.3685	0.0195	1.0685	1.1375	-0.6115	-0.3635	0.8225	-0.3875	-0.7055	-0.6585	-0.6925	-0.9135	0.3275	0.2115	0.2005	0.4575	-1.1865	0.1885	-0.8215	-0.3215	-0.8915	-0.8065	-1.3355	-1.1425	0.1285
1.13	2.477	1.894	2.048	1.255	-0.262	-2.37	0.276	0.203	2.474	-0.791	4.231	0.215	0.954	0.185	2.387	2.417	0.774	1.253	2.862	1.599	-1.134	0.227	2.403	-2.089	-0.279	2.988	2.223	-1.075	0.45
3.3195	0.8955	-0.2835	1.2695	2.0505	2.5935	-0.2575	3.6795	3.4135	0.0555	1.7255	-0.3325	3.3635	3.3135	2.1895	-0.7815	0.9795	1.3195	0.2875	0.1055	-0.3735	-0.5925	-0.2535	-0.7325	-0.7445	1.1025	-0.4115	0.1065	-0.8565	-0.1805
-0.4435	0.0965	0.0115	-0.2915	-0.1965	-0.2875	-0.3275	0.2455	0.2215	2.3025	-0.2855	0.3225	0.0625	-1.0145	-0.9765	-0.3525	-0.2325	0.0575	1.0495	1.7955	4.0375	-0.0735	0.7195	-0.7235	-0.0005	-1.1055	-0.6075	-0.2545	-0.5235	3.0135
0.613	0.099	0.404	0.417	0.261	0.092	0.322	1.13	0.95	1.71	1.103	-0.56	0.309	0.33	0.867	0.668	0.914	0.024	0.326	-0.088	-0.027	-0.208	0.505	1.115	0.483	1.313	2.594	2.772	2.841	-0.113
0.146	0.31	-0.436	-0.391	-0.414	-0.049	-0.36	0.763	0.714	0.8	0.641	-0.036	0.091	1.077	-0.408	0.235	0.598	0.062	0.118	0.268	0.352	0.439	-0.009	-0.313	0.268	-0.591	-0.55	-0.417	-0.218	0.342
-0.232	0.38	-0.4	-0.28	-0.1	0.4	0.479	0.52	0.52	0.91	0	0.27	0	0.229	0.156	1.263	-0.633	0.264	1.14	0.85	-0.156	0.12	-0.596	0.21	0.28	-0.041	-0.241	-0.551	0.368	0.34
0.4985	0.2015	0.6815	0.1425	-0.6655	-0.0805	0.1655	0.5585	0.5505	0.6965	-0.7325	0.1225	-0.1395	0.0625	-0.6715	0.0905	0.7265	-0.4495	0.9565	0.4715	-0.1195	0.2795	-0.1975	0.2735	-0.7955	0.4955	0.7395	-0.1715	0.2135	-0.1145
0.147	-0.12	-0.815	-0.188	-0.013	0.07	0.506	0.146	0.095	0.009	-0.028	-0.026	-0.01	-0.331	-1.06	0.489	0.172	0.256	0.734	0.641	-0.052	0.289	-0.309	0.194	-0.361	-0.308	0.201	-0.26	-0.302	0.585
0.161	-0.451	0.124	-0.016	0.114	0.161	0.199	-0.219	-0.191	-0.138	0.241	-0.1	-0.109	0.137	0.338	-0.145	0.337	0.028	-0.432	-0.051	0.352	1.153	0.038	1.079	-0.034	0.619	-0.071	-0.161	-0.136	0.353
-0.3005	-0.2715	-0.2295	-0.1155	0.7495	-0.4685	-0.4135	-0.1025	-0.1965	0.0105	-0.1315	-1.2805	-0.4635	0.0945	0.8525	-0.3145	-0.4375	-0.1275	0.9565	-0.3475	-0.2185	0.1265	0.3205	-0.0965	-0.5895	-0.4305	0.5695	0.6365	0.0335	-0.3685
0.385	-0.158	-0.063	-0.352	-0.323	-0.371	0.158	0.315	0.37	-0.092	0.492	0.425	0.007	-0.007	0.319	0.054	0.549	0.285	-0.158	0.072	0.004	0.506	0.158	-0.805	-0.676	0.489	-0.859	-0.248	-0.281	-0.378
-0.107	-1.079	-0.251	-1.04	-0.593	0.04	-0.593	0.334	0.289	1.704	-1.439	2.817	1.277	0.623	-0.8	-2.79	-0.622	1.654	1.899	3.015	4.159	3.758	-1.187	2.149	4.287	-1.751	1.853	-2.525	1.077	3.214
0.5255	-0.5415	-0.1465	0.0165	0.4505	-0.0965	0.2815	0.4445	0.5035	-0.3225	0.0015	-0.5165	0.4505	0.4885	0.6775	1.4015	0.6235	0.0735	0.1665	0.1275	0.4545	0.2025	0.7475	0.2455	-0.0515	-0.1285	-0.8085	-0.4835	-0.3665	0.5145
0.2	-0.065	0.179	-0.432	-0.368	-0.196	-0.231	-0.147	-0.103	-0.147	-0.148	0.162	-0.608	0.024	0.046	-0.157	-0.256	-0.25	-0.425	-0.441	0.084	0.676	-0.255	-0.291	1.044	0.188	0.767	0.002	0.599	0.285
-0.8215	-0.2425	0.7475	0.0185	-0.5725	0.4285	0.5825	-2.4725	-2.2035	-1.6965	-1.1275	-1.4595	0.5345	-0.6985	0.3855	-1.7185	0.1995	-0.4955	-2.2085	-1.7085	-1.6365	-0.7425	-0.6175	-1.7255	-0.5715	-1.2065	-1.6035	-1.0575	0.4375	0.0055
1.233	-0.418	1.158	1.522	0.381	1.119	0.002	0.331	0.374	1.09	2.103	-0.541	-0.805	-1.143	-1.055	0.365	1.188	0.787	1.466	0.263	0.385	-0.048	1.472	0.351	1.925	-1.182	0.27	-0.24	-1.903	-0.269
0.263	2.311	0.779	-0.502	-0.597	0.137	0.007	-0.641	-0.593	-0.911	0.428	-0.28	-0.63	0.261	0.689	-0.713	0.023	-0.056	-0.357	-0.83	0.284	-0.065	-0.157	0.726	0.26	-0.556	-0.253	0.697	0.507	0.033
-2.1745	1.9775	-0.1285	0.7415	-0.9635	-0.8275	0.9105	-2.1455	-2.1705	-2.7245	-0.9335	-1.1465	1.0145	-1.3335	-0.6365	-2.2555	-1.5695	-0.9655	-1.8485	0.1485	-0.7585	-0.9345	-1.8695	-1.4255	-0.8215	-0.6515	-1.8315	-0.9235	0.7375	0.1665
0.272	0.645	0.362	-0.688	0.524	-0.405	0.254	1.4	1.379	1.349	-0.124	0.791	0.702	0.006	-0.221	1.317	0.452	0.185	2.106	0.879	-0.415	0.334	-0.313	-0.927	-0.393	0.473	0.443	0.195	0.449	0.453
0.49	0.173	-0.094	-0.231	0.406	0.06	-0.835	-0.028	0.039	0.189	0.274	0.654	0.103	0.082	1.52	1.517	-0.28	0.226	0.237	0.654	0.58	0.53	0.17	0.695	-0.218	0.23	-0.414	-0.31	-0.316	0.554
-0.9165	-0.0695	-0.2315	-0.2635	-0.1415	0.0585	0.0595	0.0175	0.0685	0.0825	-0.0075	-0.5465	0.2315	0.4645	0.2175	-0.0375	0.2805	0.1925	-0.3485	0.1135	0.0695	-0.1645	0.1065	0.1115	0.3415	-0.0765	-0.7655	-0.1535	0.1415	0.1305
0.9315	0.7415	0.7685	2.0095	1.5255	1.8965	0.0255	-0.9355	-0.8835	1.4225	-0.3045	-0.6935	-0.0855	-0.0055	-0.1815	-0.3485	-0.2845	1.1205	0.0745	1.1355	1.2315	2.2965	0.0755	0.1765	-0.0915	-0.2825	-0.2755	-0.2405	-0.0515	-0.9695
0.138	-0.632	0.115	-0.636	-0.025	-0.013	-0.302	0.145	-0.054	-0.735	-0.066	0.581	0.179	0.281	0.229	0.364	-0.033	0.101	0.219	-0.312	0.595	0.813	-0.295	0.259	-0.027	0.609	0.809	-0.158	0.301	0.565
0.7505	0.3105	-0.0565	-0.1395	-0.4445	-0.0745	1.3265	0.8105	0.7445	0.1675	0.0135	0.6145	0.4105	0.6615	0.9725	0.9275	0.9905	0.2415	1.0825	1.1365	0.7205	1.1745	0.3345	0.8555	0.6135	0.6565	0.9165	0.7755	0.4565	-0.0825
-0.223	-0.503	-0.259	-0.285	-0.412	0.055	0.075	0.246	0.26	0.434	-0.008	0.072	-0.244	0.179	-0.11	-0.162	-0.659	0.101	0.999	0.64	0.396	0.101	-0.363	0.012	-0.117	0.159	-0.186	0.088	0.769	0.267
-0.064	-0.308	-0.075	-0.407	-0.54	-0.179	0.006	0.185	0.22	0.508	0.1	-0.228	-0.23	0.249	0.341	-0.197	-0.695	0.227	0.949	0.644	0.57	0.581	-0.281	0.031	-0.041	0.534	-0.06	0.331	0.98	0.147
0.427	0.467	0.173	-0.527	-0.332	-0.196	0.792	0.619	0.571	0.303	-0.222	0.908	0.385	0.147	0.923	1.143	1.196	0.104	1.051	0.748	1.191	1.297	0.977	0.664	0.109	0.527	0.844	0.824	1.037	0.471
0.1995	0.0315	-0.0845	1.2315	3.4255	1.4305	2.6015	5.1305	5.1455	2.6765	1.6245	4.0255	4.4215	5.4785	4.3545	1.7495	0.2975	2.4315	4.6095	4.6455	2.3155	3.6565	1.2905	-0.1375	-1.2175	0.8735	1.6505	2.9655	2.2195	1.2245
-0.4015	0.2575	0.4165	0.2115	0.3705	0.0105	0.1735	0.3525	0.3855	0.0045	-0.2355	0.3905	0.1755	-0.2535	-0.9555	0.4755	0.2705	-0.7225	0.6355	-0.0375	0.8545	-0.2195	0.0165	0.2045	-0.5355	-0.1125	0.1465	-0.3185	0.6145	0.9245
-1.2715	0.2805	-0.3295	-1.0855	-0.0555	1.9975	-0.5615	-1.5175	-1.2615	-1.0305	-1.4985	-0.0605	-0.2735	-1.7755	-1.4425	3.1335	-1.0625	-0.5925	3.9965	-1.5315	-1.1355	-1.0375	1.8695	-0.5295	-1.0715	-0.8015	-1.2355	-0.9705	-1.4735	-0.6475
-0.616	-0.539	-0.028	-0.762	-0.743	-0.587	1.096	0.393	0.099	-0.684	-1.218	0.066	-0.439	-0.14	-0.092	-1.096	-0.73	-0.105	0.876	-1.381	-0.255	-0.996	-0.988	0.819	-0.636	-1.431	0.214	-0.738	-0.707	-0.067
3.1465	0.5495	-0.5665	-0.2805	2.8545	1.4535	3.3675	3.3405	3.2245	2.1165	2.1595	0.5975	3.1425	2.3475	-0.0025	1.9165	0.3685	-0.2595	1.6885	3.7625	2.7685	-0.0935	-0.3775	0.0655	-0.3715	1.5845	-0.0875	3.0785	3.2395	2.3405
0.235	0.113	0.648	-0.097	-0.159	0.309	0.689	0.338	0.336	0.498	-0.412	0.915	0.554	-0.013	0.482	0.351	0.193	0.169	-0.241	0.758	0.682	0.765	0.298	-0.212	0.043	-0.165	0.724	0.472	0.024	0.646
0.1495	1.1655	1.9645	0.5645	0.7145	0.4465	0.8205	1.1875	1.1455	-0.1605	0.1495	1.9195	0.9425	1.3435	1.2525	0.7085	-0.2305	0.8955	0.3815	-0.4805	0.3795	1.4645	0.5545	0.0785	-0.8045	0.0645	0.3715	-0.0545	1.7335	-0.6345
-0.106	-0.284	0.131	-0.384	-0.157	0.121	-0.649	-0.073	-0.097	-0.02	-0.02	-0.467	-0.186	-0.844	-0.283	-0.026	-0.105	0.053	-0.044	0.144	0.233	-0.552	0.051	0.475	0.142	0.206	-0.113	-0.213	-0.373	0.311
-0.905	-0.601	-0.108	-0.477	-0.122	-0.342	-0.368	-1.147	-0.553	-1.051	-0.152	0.468	0.348	0.697	0.154	-1.046	-0.798	-0.463	-0.746	-1.04	-0.416	0.697	-0.237	0.129	0.12	1.134	0.042	-0.33	-0.268	-0.5
0.1155	-0.4525	1.0775	0.3715	0.8005	-0.3615	1.1535	-1.6495	-1.7405	1.0455	-0.4605	0.0385	1.2575	-0.8425	0.2015	-0.2865	0.2345	0.0055	-0.2535	0.4075	0.2595	-0.3465	-0.8655	0.6755	0.3255	0.0685	0.4085	-0.2765	-1.0535	1.0405
-0.699	-0.376	-0.117	0.571	0.895	0.199	1.096	0.594	0.359	0.661	-1.117	0.961	0.343	-0.993	0.466	0.982	0.193	-0.031	0.371	0.598	0.439	1.018	0.863	-0.059	-2.661	0.104	1.391	0.816	0.937	0.693
-0.337	-0.434	-0.377	-0.383	-0.512	-0.374	-0.159	-1.32	-0.742	-1.005	0.762	0.505	1.603	0.897	0.153	0.099	-0.426	-0.28	1.096	-0.835	-0.226	0.237	-0.084	0.373	0.111	1.141	-0.333	0.031	1.288	-0.061
1.403	0.297	0.063	0.487	0.681	-0.351	0.395	-0.22	-0.255	0.221	0.555	0.381	0.231	0.613	0.506	-0.248	0.347	-0.297	0.224	1.716	0.487	0.712	-0.22	0.869	-0.433	0.831	-0.513	-0.084	0.557	0.016
0.817	0.35	1.141	-0.321	-0.427	0.729	0.15	0.008	-0.008	0.806	0.933	0.373	1.02	0.422	1.544	0.538	1.046	0.664	0.308	1.209	-0.338	0.949	-1.657	-0.704	-0.382	-0.77	0.371	-0.415	-0.163	-0.089
-0.843	-0.076	-0.662	-0.198	0.134	-0.073	-1.237	-0.717	-0.663	-0.479	-0.37	-0.717	-0.623	-0.732	-0.397	0.365	-0.723	-0.359	-0.604	-2.02	-0.015	-0.643	-0.229	0.177	0.289	-0.015	-1.172	-0.757	-0.873	-0.597
-0.7275	0.3675	-0.2505	-0.1805	-0.0385	-0.2435	-0.1985	-0.1135	-0.0395	0.1935	-0.1405	-0.2135	-0.5915	-0.1275	1.2555	0.2815	0.0665	0.8225	0.9155	1.3755	0.3715	0.0865	0.4085	0.3735	0.5825	-0.3105	0.2405	0.4915	0.2125	0.4185
-0.5435	-0.1705	-0.3435	0.2255	0.0925	-0.0265	-0.3745	-0.0635	-0.0265	-0.2175	-0.1515	-0.3505	0.1675	0.1965	0.0275	0.1245	-0.4035	-0.2165	-0.4815	-0.3485	-0.1205	-0.3525	-0.2265	0.1225	0.0745	0.3295	0.1695	-0.2175	0.5145	0.0055
-0.3905	-0.4695	-0.1685	0.4595	-0.0225	0.0225	-0.7905	-0.1395	-0.1565	-0.5115	-0.7505	-0.5325	0.2275	0.3355	0.9015	-0.6255	-0.2675	-0.6015	-1.5225	-0.6375	-0.9475	0.0515	-1.0505	0.1255	0.9695	-0.8905	-1.3935	0.1995	-0.8675	0.0235
1.0295	0.2845	0.2185	0.9235	-0.3445	-0.3575	-0.4875	-0.5275	-0.4665	-0.6635	0.1335	-1.7535	-0.7315	-1.6775	-1.2445	1.3885	-0.4445	0.2005	-1.3455	-2.5065	-0.6725	-0.2705	-0.9765	-0.0625	-0.7245	-0.7795	0.5375	-0.1265	-1.6635	-0.5985
2.2385	-2.4615	-0.6435	0.9075	1.2735	1.4145	-1.6575	-0.5505	-0.2835	1.4205	-1.4875	-0.3945	1.8125	-0.3315	-0.5215	-0.9475	-1.0085	-0.1595	1.7025	-1.1795	-1.7445	2.3035	1.0925	0.1205	-1.3395	0.3865	1.9025	-0.5975	1.7575	-1.4075
0.255	-0.665	-0.148	-0.352	-0.041	-0.43	-0.075	-0.347	-0.391	-0.148	-0.103	-0.305	0.089	0.576	-0.055	-0.387	-0.502	-0.256	-0.059	0.209	0.09	-0.033	0.762	-0.081	-0.42	0.927	-0.008	-0.149	-0.646	-0.125
1.3325	0.7705	0.6495	-0.2155	-0.1315	-0.0235	0.7845	-1.1685	-0.8525	-1.3395	-0.8455	-0.2135	-0.9055	-0.3335	-0.0185	0.1715	-0.7715	0.0915	-1.0735	-1.3015	0.0185	-0.0555	-1.1755	-0.2185	0.0705	-0.4505	-0.5455	0.1875	-0.5955	0.6395
-0.282	0.241	0.442	0.123	0.446	0.75	0.121	-1.329	-1.291	-0.143	-1.225	-0.198	-0.116	-0.316	0.399	0.211	0.895	0.694	-0.027	0.107	-0.35	0.609	-0.389	0.238	-0.629	-0.687	-0.014	0.002	-0.445	-0.278
0.0265	-0.5095	-0.1485	-0.1315	0.9205	0.0195	0.6235	-0.3765	-0.3825	0.0655	0.3075	0.4915	0.1405	0.1855	-0.3595	0.4865	-0.2035	0.0775	0.2845	0.1585	-0.0115	-0.1655	0.7585	0.6625	0.5455	0.5525	-0.1245	0.1345	0.0865	0.1335
-0.871	1.192	0.086	0.039	-0.629	0.089	-1.275	-0.688	-0.603	-0.31	-1.658	0.137	-0.114	-0.274	-1.065	0.017	-0.271	0.228	0.479	1.017	-0.18	0.181	-0.102	-0.322	0.365	-0.069	-0.396	-0.182	-1.107	0.065
1.249	1.369	1.062	-0.002	2.413	0.465	0.209	0.879	0.979	-0.001	0.398	-2.1	1.06	3.152	0.427	2.779	-1.832	1.142	-0.508	0.849	0.294	-0.209	1.255	2.042	0.107	1.562	1.258	1.292	0.812	1.216
-0.7615	-0.7145	-0.6395	0.4815	-0.6885	0.3695	-0.8385	-0.2925	-0.1735	-0.9495	-0.0595	-1.3885	-0.7205	-0.7375	0.2275	0.3685	-0.2985	0.3125	-0.1685	-0.5525	-0.5405	0.5685	-0.2935	-0.0245	0.1255	-0.3615	-0.1775	-0.7915	0.1625	0.3445
0.002	0.691	-1.242	-1.412	-1.29	-0.62	-0.974	-0.205	-0.222	-0.131	0.066	-1.068	-0.626	0.345	-0.103	-0.412	0.767	1.442	1.655	-0.044	-0.999	-0.432	1.346	0.365	0.489	0.379	0.215	-0.002	0.186	-0.127
-0.518	-0.421	-0.41	0.007	0.028	-0.349	-1.128	1.151	1.264	1.04	-0.904	0.38	-0.001	-1.075	-0.699	0.084	0.331	-0.182	-0.27	-0.639	-0.965	-0.433	1.096	-0.239	-0.067	1.159	1.268	0.469	0.826	-0.114
0.3325	-0.0555	-0.6185	-0.0325	-0.3225	-0.2455	0.0745	0.1195	0.2275	0.0815	-0.1055	-0.8445	-0.4465	-0.0315	0.2135	0.2105	-0.7215	1.6885	-0.8855	1.7545	1.6435	1.8545	0.5675	2.3325	0.1985	0.8595	0.2325	-0.3295	0.4655	0.1625
-1.47	-0.924	-0.29	-1.745	-0.471	-0.248	-0.35	-1.019	-0.973	-0.717	-1.408	-0.35	0.68	-1.4	-0.54	-1.78	-1.12	-1.31	-2.937	0.149	-1.56	2.407	-2.77	-0.85	-1.855	-1.24	-0.68	-0.55	-2.18	0.997
-1.4765	-2.0595	-0.7125	-1.2125	-0.1095	-0.0805	-0.4755	2.2705	2.5225	1.4985	-0.7685	2.7665	1.1115	-0.9335	-2.0295	2.6245	-0.7345	-0.6235	-1.0205	-0.5285	-1.9085	-1.1335	1.3235	-0.2945	1.7515	1.9375	3.1665	1.2695	0.8965	1.4415
-0.2265	0.0115	0.7525	-0.1795	0.1065	-0.0485	0.0695	-0.2135	-0.2275	0.4815	-0.1065	0.1565	0.5515	-0.5165	-0.0835	0.2065	1.4045	0.3455	1.6535	0.9125	0.4375	0.4605	0.2875	0.7385	0.0555	0.9765	0.1495	0.5005	0.0215	0.0395
-0.8875	-0.2745	1.4075	0.1025	1.4195	0.3795	-1.5495	1.5345	1.4135	1.6565	1.4715	1.1535	-0.0915	0.4065	-0.3415	-0.1005	-0.3935	0.5735	1.7685	1.9975	2.0075	1.6405	1.4705	-0.9045	-0.1185	0.8085	-0.4955	1.1865	0.4955	-0.4805
-0.999	0.586	0.35	0.115	0.552	0.324	-0.378	0.383	0.348	1.448	-0.562	1.329	0.48	-1.196	0.655	0.403	0.934	0.856	1.003	0.291	-0.134	0.527	0.009	-1.766	-1.262	0.121	-1.566	-0.996	-1.076	-0.315
0.483	0.301	-0.821	-0.018	-0.241	-0.55	-0.102	0.636	0.687	0.426	0.317	0.164	-0.419	1.78	1.48	0.436	0.403	-0.194	0.093	-0.012	0.309	0.649	0.265	0.265	0.602	1.542	0.324	0.647	1.606	-0.322

Table 18.

9819-0103 LUMINAL	BR02-705 LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704 LUMINAL	BR02-705 LUMINAL	BR03-726 LUMINAL	BR95-018 LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-M LUMINAL	BR95-015 LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016 LUMINAL	UB78 LUMINAL
-0.2015	-0.5885	-0.4395	-0.3645	0.3165	0.1115	-1.0255	-0.4965	-0.5285	-0.4405	0.5325	0.8535	0.3145	0.8515	1.2745	1.9085	-0.5175	0.5565	0.4945	0.4315	0.1465	0.7755	-0.1985	0.1085	-0.5925	0.9435	0.0465	0.1115	0.0685	0.6165
-0.443	-0.426	-0.672	0.175	0.231	0.37	-0.404	0.271	0.185	0.037	-0.297	1.382	0.672	0.683	1.147	1.483	-0.316	0.516	0.004	0.452	0.534	0.348	0.069	-0.054	-0.448	-0.519	-0.213	-0.411	-0.463	0.412
-0.211	-0.3	-0.189	-0.168	-0.002	-0.003	3.376	-0.425	-0.384	-0.255	-0.044	-0.503	-0.244	-0.153	-0.069	-0.169	-0.203	-0.304	0.136	0.011	0.314	1.027	0.748	-0.021	0.126	0.533	-0.101	-0.084	0.093	-0.262
0.6565	4.1445	0.2865	3.7875	3.2995	0.6235	-0.4265	-1.4955	-1.6755	1.2555	-0.0615	6.0165	0.6555	0.1515	0.0015	0.4335	-0.3835	1.5075	-0.4445	3.2125	-1.4305	1.1895	-1.5305	-0.5815	-1.2385	-1.4135	-0.4255	0.1705	-1.4315	-0.1385
-0.12	0.693	0.36	-0.241	0.028	0.04	-0.064	-0.233	-0.159	-0.259	0.004	0.228	-0.114	-0.225	-0.06	-0.605	0.049	0.034	-0.831	0.562	0.659	-0.106	-0.362	0.198	-0.003	-0.381	-0.921	-0.402	0.39	-0.434
2.4855	1.0145	1.0935	0.5075	0.4845	0.2265	2.4775	1.1805	2.2225	1.7815	2.4795	0.8275	1.4275	1.5885	0.1655	0.1745	1.2605	0.2765	2.2395	1.5385	1.4725	0.9855	0.9745	1.4395	1.0585	0.6815	2.3045	1.1295	1.5435	1.2175
1.8525	-1.0855	1.4495	0.8265	0.9155	0.7235	1.8105	1.9845	1.4765	2.5065	1.3295	0.1075	0.1175	0.5745	0.0055	0.2705	0.2275	0.3595	2.0505	1.6915	1.0405	0.5505	0.0675	1.8775	0.1795	-0.5175	1.0645	1.1265	2.1725	1.9545
2.972	1.102	0.747	0.484	0.759	0.545	2.633	2.041	2.628	2.007	3.074	0.773	1.725	1.952	1.159	0.48	1.21	0.741	2.269	2.066	1.636	1.633	0.994	1.78	1.36	0.627	2.905	1.638	1.911	1.41
-0.235	-0.387	-0.039	-0.052	0.424	-0.258	0.623	-0.268	-0.377	0.692	0.589	-0.681	-1.575	-0.298	0.188	0.569	0.75	0.025	0.406	0.174	-0.221	-0.112	0.639	-0.2	-0.19	-0.285	-0.365	0.582	-0.148	-0.251
-0.132	-0.328	-0.691	-0.157	-0.69	-0.396	-0.129	0.645	0.787	0.72	-0.193	-0.045	-0.359	-0.971	-0.407	-0.533	0.9	-0.187	-0.003	0.701	-0.397	-0.691	-0.513	-0.689	0.001	-0.099	0.702	-0.594	-0.093	-0.88
0.4695	0.7835	0.5515	-0.0475	0.3735	0.1235	0.9085	0.3075	0.4355	0.6455	-0.3035	-0.7705	0.9875	-0.1825	-0.1775	0.2965	0.8875	0.2735	0.4525	0.9505	0.6505	0.2975	0.2195	0.1405	-0.0965	-0.4755	0.7615	0.7465	0.2845	-0.1745
-0.789	1.183	0.301	-0.09	-0.406	0.034	-1.326	-0.502	-0.595	0.385	-0.963	-0.33	-1.224	-1.539	-0.676	-0.129	0.647	0.808	0.327	-0.168	0.339	-0.469	-0.347	-0.882	0.104	-0.486	-0.532	-0.583	-0.659	-0.349
0.245	-0.418	0.059	0.167	-0.096	-0.025	-0.36	0.674	0.668	-0.178	0.346	-0.194	-0.652	0.495	-0.926	-0.095	-0.426	-0.204	0.166	-0.294	-1.442	-0.339	0.601	1.073	0.885	-0.657	-2.042	0.04	0.059	-0.542
-0.2605	-0.8155	-0.1225	-0.6875	-1.0245	-0.4355	-0.4455	-0.2335	-0.1825	0.0135	0.3425	-0.5985	-0.4615	-0.5595	-0.1695	-0.5585	-0.1285	-0.2915	1.2015	-0.4385	-0.2875	1.1415	-0.0085	-0.3975	0.4565	0.6815	0.4685	0.0945	0.5475	-0.0195
0.739	0.377	-0.916	-0.181	-0.19	-0.66	0.036	-0.281	-0.226	0.056	0.156	-0.205	-0.552	-0.852	-0.905	-0.363	-0.219	-0.407	-0.162	-0.426	-0.623	-0.557	0.498	-0.032	-0.763	-0.049	-0.754	-0.696	-0.681	0.288
2.6005	0.4705	-0.0965	0.1695	0.1265	-0.3745	-0.3395	-0.2485	-0.0175	-0.1715	1.9915	-0.6695	1.7905	-0.0265	-0.0035	0.5875	-0.1615	-0.2245	0.6035	2.0045	2.2175	2.2185	-0.0215	-0.5195	0.0225	-0.2085	-0.4835	-0.0755	0.2445	0.1195
-0.7355	0.1075	0.0885	0.4525	0.3315	0.9265	0.4265	1.2005	1.3545	-0.0315	1.5395	0.8985	0.4705	1.5795	-0.7525	-0.6595	-0.0255	0.0415	-0.6035	-0.1395	-0.6115	-0.3805	0.4345	-0.6265	0.1655	0.6565	-0.4465	-1.0775	0.4805	-0.4655
-0.8545	0.2085	-0.7645	-0.2625	-0.4165	-0.1605	-0.2655	-0.0865	-0.1195	-0.5955	-0.1155	-0.4195	-0.0515	0.0195	0.7735	0.3435	-0.4015	0.3975	-0.4265	-0.0165	-0.1725	0.4205	0.3985	0.7265	0.4945	0.4725	0.7725	-0.0385	0.6015	0.4015
0.8515	0.3165	0.0555	-0.3235	-0.1625	0.2285	-0.1245	0.4385	0.4025	0.0515	0.9995	-0.7065	-0.2845	0.1495	-0.0485	1.3275	0.5935	0.0545	0.5205	0.2135	0.6495	0.3255	0.6655	-0.0845	0.5275	-1.1255	-0.0485	-0.3635	2.4795	0.8815
-0.358	0.119	-0.07	-1.03	-0.859	0.508	-0.059	1.264	1.271	0.29	1.06	-0.301	0.111	-1.689	0.14	0.273	-1.293	0.283	-1.483	1.584	-0.992	-0.517	-0.668	0.042	-1.084	0.614	1.362	0.95	-0.576	-0.533
-0.6005	-0.1365	-0.0265	-0.6375	-0.1405	-0.0605	1.0995	0.3865	0.2735	0.3205	-0.0675	1.0165	0.1855	-0.2135	1.1955	0.1525	0.0405	-0.0995	-0.7525	-0.0945	0.0555	0.8555	0.2255	-0.3015	-0.7685	0.0925	0.7165	0.5355	0.5545	0.3865
0.1005	-0.0695	0.2945	-0.0955	-0.3865	-0.3765	-1.0685	-0.0735	-0.0335	-0.1885	-0.6165	-0.7715	-0.2375	-1.0995	-0.6555	-0.5715	0.1615	0.2305	1.1485	0.9735	-0.5905	0.0905	0.1375	-0.1455	0.1195	-0.6695	0.8205	0.4355	-0.6705	-0.1345
-1.129	-0.926	-0.644	-0.273	-0.674	-0.296	-0.728	-0.603	-0.595	-0.388	-0.84	-1.553	-1.27	0.538	0.047	2.861	-0.818	0.77	-0.645	0.718	4.133	-0.466	0.697	0.692	0.595	-0.006	-1.004	-0.48	-0.594	1.835
1.176	0.622	0.352	0.195	-0.262	-0.657	-0.642	0.125	0.044	1.05	0.149	1.227	0.466	-0.876	0.161	0.68	0.463	-0.288	-0.007	1.003	0.825	0.176	-0.181	0.717	-0.318	0.378	0.889	0.966	-0.037	0.219
-1.175	1.022	-0.949	-0.243	-0.457	-0.25	-0.545	-0.143	-0.005	0.079	-0.623	-0.449	-0.362	-0.53	-0.676	-1.752	-1.068	-0.382	-1.564	-1.018	-1.589	0.886	-1.119	-0.989	-0.592	-0.802	-1.57	-0.762	-1.025	-1.175
-0.3905	0.0775	-1.2685	0.4875	-0.0675	0.1115	-0.5655	0.2665	0.1575	0.1605	0.2325	-0.3835	-0.6695	-0.8995	-1.1045	0.3385	-0.3865	0.0295	0.0455	1.1615	-0.5325	0.0015	-0.9925	-1.3015	0.3915	-0.4825	-1.3405	-1.2755	-0.2995	0.1875
1.5215	1.4625	0.8375	0.5935	1.3445	0.8185	1.5215	-0.4655	-0.5195	1.5945	-1.6835	2.4055	0.6155	0.0635	-0.6835	0.1585	0.2785	-0.3295	-1.1115	0.3875	0.8945	-0.6005	-1.4745	-0.4175	1.7095	2.4525	1.0325	-0.8625	-1.7325	0.6135
0.527	-0.354	-0.349	-0.139	0.118	-0.289	0.513	-0.439	-0.428	-0.521	0.238	-0.557	0.196	-0.381	0.035	-0.145	-0.279	0.008	1.064	-0.127	0.312	0.666	-0.144	-0.075	-0.87	0.191	0.305	-0.118	0.396	-0.047
0.158	-0.505	0.094	-0.508	-0.404	-0.128	-0.581	-0.17	-0.076	-0.183	-0.691	-0.184	-0.192	-0.141	-0.132	0.465	0.012	-0.169	0.732	-0.587	0.263	0.501	0.69	-0.032	0.128	-0.678	0.512	-0.075	-0.437	-0.571
1.09	-0.006	-1.369	-0.406	-0.432	-0.122	-0.613	-0.556	-0.392	-0.573	-0.152	-0.688	0.939	0.488	0.473	0.413	-0.654	-0.153	-0.32	0.468	-1.303	0.559	-0.566	1.1	-0.455	-0.122	-0.126	0.006	0.354	0.637
-0.6695	-0.5135	-0.0425	-0.4035	-0.5835	0.0615	-0.4145	-1.5375	-1.2585	-1.3125	0.1555	-0.4845	-0.8605	0.0235	0.5375	-0.3955	0.3045	0.9605	-0.3705	-0.2205	-0.4715	0.3335	0.1355	-0.3235	0.2335	-0.0265	-0.1745	-0.2675	0.3625	0.0345
0.012	-0.281	-0.483	0.271	-0.074	-0.465	1.283	-0.267	-0.216	-0.349	0.304	-0.481	0.418	0.099	-0.419	1.039	0.07	0.031	0.27	-0.033	0.444	-0.179	0.339	-0.476	0.451	0.405	0.301	0.811	0.139	-0.012
0.0275	0.2335	0.2925	0.0885	0.2365	0.2545	0.6975	0.4685	0.5385	0.5685	0.3845	-0.0275	0.2675	-0.1325	0.3155	0.8145	0.3255	-0.0685	-0.0105	0.0225	0.1805	0.0305	0.8135	0.3375	-0.0825	-0.0515	-0.1355	0.3825	0.1045	0.1555
-0.1055	0.1115	-0.1405	-0.0785	0.3315	-0.1165	-0.0395	0.1385	0.2045	0.3655	-0.0895	-0.0655	0.2955	-0.2845	-0.1435	0.1165	0.5185	0.0985	0.9525	0.1325	0.5395	-0.3535	0.6045	0.1445	-0.3525	-0.7505	-0.1565	-0.3505	-1.0565	0.0545
-0.07	-0.005	-0.738	-0.557	-0.179	0.282	-0.072	0.682	0.756	0.705	-0.001	0.348	0.185	0.031	0.552	1.399	-0.712	0.689	0.795	-0.551	0.05	0.151	-0.472	-0.256	0.747	-0.076	-0.206	-0.566	1.254	-0.278
0.6545	0.2125	-0.1975	0.2495	0.3715	0.0735	0.9525	0.4495	0.3895	0.2415	-0.2495	-0.1935	0.0535	0.4895	0.3885	0.4175	0.1905	-0.0285	0.9465	0.5215	-0.0265	-0.1425	-0.0995	0.2375	0.1215	0.2425	0.0425	0.1505	0.4355	0.1275
0.638	0.386	0.324	0.578	0.169	-0.182	-0.675	0.027	0.175	0.235	-0.239	-0.567	-1.057	-0.544	-0.495	-0.972	-0.153	0.017	0.68	0.31	0.082	-0.459	0.64	-0.478	0.087	-0.197	-0.468	-0.133	-0.559	0.483
-0.262	0.935	0.993	0.805	2.364	0.22	-1.374	-1.047	-1.045	0.208	-1.319	-1.733	0.068	0.555	-0.511	-1.687	-0.279	-0.89	-1.462	-0.888	-0.739	-0.165	-1.882	0.284	-1.008	-1.493	-1.865	-0.132	-1.508	-0.229
-0.5535	-1.1285	1.1225	0.7545	0.4025	0.6555	-0.7705	-1.2295	-1.0685	-1.0645	-0.0235	-0.7845	-0.5745	-0.5295	0.3145	-0.8035	-0.3965	0.0645	-1.6265	-1.4735	-0.3535	0.1765	-0.1045	7.3525	0.3965	0.8395	-0.6405	0.9115	-0.4295	1.2585
0.124	-0.147	-0.136	0.176	0.078	-0.25	-0.169	-0.6	-0.387	-0.357	-0.021	-0.425	-0.17	0.189	0.193	0.042	-0.289	-0.302	-0.417	-0.312	-0.323	0.037	0.005	0.17	0.002	-0.006	-0.299	-0.032	0.322	-0.075
0.057	-0.175	0.122	-0.041	-1.32	0.171	0.756	1.38	1.232	0.437	2.06	-0.294	1.23	0.034	1.582	1.42	-1.719	0.638	0.101	0.396	-2.944	1.649	-1.812	1.064	0.4	0.925	1.352	1.325	3.022	1.357
1.3885	-1.3245	-0.4575	-0.0825	-0.1035	-0.7075	-0.6065	-0.7925	-0.7925	0.5255	-0.4815	2.3975	0.2695	0.5955	1.6885	1.3905	1.5955	1.4245	1.3675	1.6975	1.0045	0.1615	0.0995	1.7985	0.1025	1.9025	0.1485	0.9015	-0.4695	0.3145
1.4095	0.7335	-0.4245	1.9345	1.4015	1.2335	3.3265	3.2465	3.0535	2.6335	2.1475	0.6025	2.5555	2.4505	3.0515	2.6505	2.6665	0.8625	0.0625	3.5625	1.7155	1.9285	1.7195	3.0375	-1.5665	1.9985	1.8835	3.3705	1.6505	1.4835
0.778	0.297	-0.24	0.029	0.259	-0.731	-0.11	-1.233	-1.125	0.349	-1.003	-0.073	0.194	-0.277	-0.721	-0.238	-0.9	-0.217	-1.877	0.881	-0.373	0.318	-0.587	0.056	1.699	1.836	-0.368	-1.331	-0.264	0.502
1.394	-2.505	1.054	0.96	0.759	0.66	1.618	2.208	1.966	1.35	0.134	1.069	1.97	1.687	1.472	1.528	1.449	0.877	1.443	0.635	1.502	1.158	1.471	0.142	-3.143	1.204	1.572	1.191	0.827	0.041
-0.023	0.894	0.084	0.226	-0.099	0.122	-0.803	0.041	0.023	-0.808	-0.077	-0.05	0.245	-0.065	-0.107	-0.152	0.196	0.664	-0.28	0.166	0.112	0.238	0.223	-0.182	-0.182	-0.224	0.329	-0.399	0.437	0.221
-0.623	0.547	0.02	-0.111	-0.17	0.165	0.212	1.466	1.501	1.011	-0.038	0.072	-0.019	-0.243	1.989	-0.459	0.288	0.01	-0.481	-0.205	1.753	-0.325	-0.214	-0.157	-0.177	-0.939	1.249	1.889	1.322	0.585
-0.2565	-0.0485	0.8545	-0.9195	-1.0775	-0.2455	-0.0675	-0.5015	-0.5175	-0.5865	-1.3215	-0.9925	0.4815	-1.7535	-0.4445	-1.6585	-1.2215	-0.5905	-0.1725	-0.9505	-0.2535	-0.0125	-1.0745	-0.2345	-0.4585	-1.1235	-1.2775	-0.8475	-1.4045	0.1015
0.2525	-0.1555	0.8615	-0.1925	-0.5135	0.0225	-0.3295	0.0245	0.1165	-0.0355	0.0725	0.1615	0.4075	-0.6275	-0.0915	-0.1355	0.9275	0.6885	1.1285	-0.2885	0.9495	0.5075	0.2735	-0.1365	-0.8045	-0.0075	-0.0065	1.0925	0.0545	-0.7215
-0.0185	-0.0755	0.4915	-0.0845	1.8805	1.1655	-1.2155	-0.9515	-0.8505	0.0335	-0.7765	0.9155	1.3025	2.7135	0.7845	0.0185	-0.4675	0.1185	-2.6625	-0.1675	0.4495	-2.3135	0.3045	0.5345	-0.7125	-1.3275	-1.8895	-2.5235	-0.1455	-1.4925
0.2565	-0.3035	0.1605	-0.2675	-0.1545	-0.0585	-0.4485	-0.1015	-0.0325	0.0025	0.0655	-0.3275	0.0095	0.3095	-0.6665	0.3555	0.3135	0.9975	0.5205	0.8375	0.0325	0.5235	-0.1525	-0.1385	0.4345	0.0635	-0.3295	0.1635	0.2595	0.8145
0.0775	0.2295	0.3935	-0.1035	0.2855	-0.1145	0.9865	0.4785	0.3685	0.5275	1.1695	-0.3545	-0.4645	0.0405	0.2995	-0.1925	0.5745	0.4325	0.7585	0.3465	-0.2565	-0.3305	0.6005	0.1605	-0.9555	-0.2865	-0.3525	0.5895	-1.2815	-0.0285
-0.6855	0.8915	0.1425	0.6045	2.5745	-0.1015	0.2095	0.4755	0.3195	-0.0945	-0.5525	0.3415	0.0155	0.2085	-0.3455	-0.4785	-0.5415	-0.6585	-1.0915	-0.3885	0.0345	-0.7735	0.2405	0.9635	-0.0235	0.0545	-0.4235	-0.8675	-1.1545	-0.2435
1.2355	0.5515	1.4745	-0.5595	-0.6975	0.9395	-0.3765	-0.5245	-0.4215	-0.8195	-0.6055	-1.7475	1.0925	-0.4805	-0.1275	-1.6915	-0.8495	-0.2095	-1.0205	-0.7595	0.2015	-0.4825	-0.5515	1.6705	0.4535	-1.3765	-1.1675	-0.3305	-1.6975	0.1855
0.4105	-0.0315	0.0055	0.0595	0.6345	-0.2435	-0.1225	-0.6825	-0.8005	-0.7895	0.2795	-0.1065	0.3095	-0.0225	0.7155	-0.1265	-0.1025	0.1035	-0.9235	-0.9305	0.0655	0.3275	-0.6025	0.0965	-0.1395	-0.0635	-0.7495	0.0435	1.0695	-0.5625
-0.082	0.036	0.238	-0.313	-0.109	-0.154	-0.286	-0.052	0.076	-0.236	-0 049	0.252	0	0.045	0.4	-0.082	-0.238	-0.165	0.133	0.027	0	0.242	-0.053	0.439	0.13	0.629	0.683	0.41	0.511	0.204
-0.257	-0.159	-0.348	-0.008	-0.217	0.173	-0.073	-0.238	-0.101	-0.402	-0.259	-0.288	-0.699	-0.074	-0.448	0.314	0.638	0.142	0.44	0.297	-0.059	-0.22	0.388	-1.059	-0.244	0.493	0.45	-0.376	-0.229	-0.232
-0.183	-0.096	-0.335	-0.201	0.062	0.565	0.204	0.487	0.429	0.995	-0.678	0.617	0.018	0.648	0.135	1.142	-0.586	0.234	0.628	0.913	-0.176	-0.317	-0.31	0.048	0.282	-0.192	-0.271	-0.914	0.246	0.298
0.0025	0.4295	1.4355	-0.2735	-0.6275	-0.3135	-0.6535	0.6285	0.6035	0.9635	-0.4435	-0.0925	0.1075	-1.0975	-0.8955	-0.3615	-0.6315	-0.1205	-0.7045	-0.6075	-0.2075	-0.5675	-1.1645	1.3795	2.6715	0.0315	1.7855	0.2445	0.7745	0.2555
0.565	-0.249	-0.242	-0.108	-0.104	-0.119	-0.268	0.595	0.468	-0.305	0.169	0.624	-0.163	-0.007	0.177	0.583	0.287	0.195	0.312	-0.336	0.147	0.237	0.979	2.685	2.665	1.263	-0.349	1.018	0.034	0.341
0.2215	1.2615	0.3635	0.5885	-0.7485	0.3045	0.1005	0.2545	0.3105	-0.0745	-0.2545	-1.0615	0.6035	-0.4715	-0.3785	-0.9235	-0.0465	-0.2495	-0.6005	0.2565	-0.4115	0.0085	-0.1545	1.0475	-1.9345	-0.6855	-0.7895	-0.2185	-0.2015	-0.0975
-0.2775	-0.2025	-0.1345	-0.4405	-0.4275	-0.3825	-0.8715	0.1185	0.0135	-0.3855	-2.2095	1.1315	1.1445	1.1345	0.2145	0.7235	0.2025	0.1655	1.2755	0.6465	-1.0095	-1.4895	-0.9085	0.0935	-1.7495	-0.2465	-0.4495	-0.9455	-0.2375	-0.3285
0.3975	1.1555	-0.6035	-0.1925	0.1185	0.2605	0.9765	1.8875	2.0505	0.5305	2.6705	-1.1035	0.5595	3.0475	0.1645	0.8145	1.3385	0.9145	2.1435	2.5895	0.5365	1.7735	-0.2075	1.9635	2.8425	2.1525	0.5875	0.7445	0.7025	1.8195
0.5125	0.1725	0.1545	0.5475	0.7555	-0.0595	0.4115	0.2015	0.2215	0.2805	0.2905	0.0055	0.5505	-0.7815	0.5005	1.0625	0.5405	-0.3565	1.1025	-0.1635	0.1485	0.2915	0.7745	-0.0855	0.4215	-1.0245	0.9665	1.5125	0.1785	-0.4505
-0.965	0.469	-0.497	-0.1	0.712	-0.347	-0.056	-0.744	-0.54	0.772	-1.015	-0.097	0.506	-0.605	-1.064	-0.333	0.785	-0.447	0.759	-1.499	-0.803	-2.236	-1.061	0.292	-0.902	-0.464	0.025	-1.177	-1.638	-0.404
0.2745	0.6015	-0.1805	0.2495	-1.0835	-0.4195	-1.2065	0.0585	0.1395	-0.5385	-2.3105	-1.3685	0.4005	-1.4655	-2.3585	-2.2795	-2.0195	0.4185	-0.2365	-0.0445	-2.8215	-0.6395	-2.1485	0.1325	0.2665	-0.5835	-1.0205	-2.5745	0.1585	-0.6915
-0.3785	-0.4105	-0.0075	0.0415	-0.1545	0.4665	-0.1115	-0.7295	-0.7025	-0.8175	-0.0345	-0.6935	-0.1615	-0.0285	0.4505	0.7845	-0.5945	0.2125	-0.0515	-0.4055	-0.0105	0.2805	-0.5245	0.5725	0.2445	0.5935	-0.1155	-0.0005	-0.0525	0.1685
0.4855	0.5425	0.4865	-0.2055	-0.0355	-0.0285	0.0605	0.3725	0.2115	0.0655	0.2215	0.1675	0.8575	-0.4185	0.3165	-0.1635	0.1175	0.1795	-0.1795	0.1125	0.0485	0.1825	-0.3165	-0.6905	-0.1195	-0.2815	-0.2705	0.6395	0.0645	-0.0985
1.0145	-1.5785	-0.7175	-0.3695	-0.4625	-0.6555	-1.0565	-0.5725	-0.5375	0.5655	1.2105	-0.8875	-0.1255	-0.2895	-0.7025	0.5005	-0.9485	-0.9075	-0.1545	0.2645	1.9135	2.6265	-0.2005	-0.7225	-0.0095	0.1995	-0.8985	-0.5355	0.8605	-0.5115
-0.125	-0.042	-0.554	0.306	0.023	-0.117	-0.38	0.014	0.077	-0.433	-0.083	-0.076	-0.446	0.517	0.339	-0.03	-0.146	-0.218	-0.566	-0.75	-0.303	0.161	0.287	0.002	0.473	-0.111	-0.738	-0.087	0.246	-0.163
0.4775	0.2065	-0.0605	1.0455	0.3375	0.4965	-0.4015	0.1535	0.1605	0.0695	0.3005	-0.4935	-0.2955	-0.2555	-0.8375	-0.0885	1.4835	0.1405	-0.5305	-1.3515	-0.5315	0.2315	0.1675	-0.4465	-0.0075	0.0085	-0.1645	-0.2405	0.3955	-0.2085
-0.015	0.308	0.496	0.028	-0.213	0.055	0.008	0.606	0.499	0.443	0.224	-1.018	0.24	-1.832	-0.685	-0.105	-0.168	0.113	1.633	0.409	-0.894	0.183	-0.71	-1.655	-1.171	-1.028	-1.052	-0.533	-0.754	-0.414
0.638	-0.741	0.018	-0.451	-0.09	0.576	-0.361	-0.215	-0.197	0.171	-1.487	0.51	0.585	0.412	-1.369	-0.053	1.592	-0.432	1.452	0.256	-0.146	-0.494	1.838	0.029	-1.351	0.019	-0.784	-0.742	-0.548	-1.069
0.794	-0.923	-0.653	-0.342	-0.521	0.018	0.504	0.695	0.593	0.719	-0.243	0.372	0.658	0.612	1.758	0.639	-0.753	0.82	1.574	1.032	1.121	0.233	-0.268	0.334	0.423	-0.741	1.565	0.244	0.328	0.87
0.7505	1.8355	1.0915	1.0435	1.2385	0.9915	-1.0655	1.3945	1.2785	-0.1435	-0.4265	2.4145	0.7685	-0.3575	0.5155	1.1465	0.8565	0.7685	0.2575	-0.3285	0.3945	-1.3985	0.1335	-0.5975	-0.0945	-0.7495	0.8515	-0.3035	-1.5885	-0.2635

WO 2007/061876 PCT/US2006/044737

Table 18.

9819-0103 LUMINAL	BR02-7054 LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-7048 LUMINAL	BR02-7050 LUMINAL	BR03-7268 LUMINAL	BR95-0184 LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-MI LUMINAL	BR95-0152 LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-0167 LUMINAL	UB78 LUMINAL
0.4885	-0.4775	-0.5175	0.5405	0.1635	-0.0635	-0.6855	-0.8275	-0.2995	-0.3035	-0.1445	1.6375	-0.6925	-0.7045	-0.9825	-0.6305	-0.2655	-0.4275	-0.5285	-0.9285	-0.4055	-0.2385	-0.1465	0.0935	-0.2575	-0.2125	-0.6505	-1.3295	-0.5805	-0.2665
0.0225	-0.3505	0.9285	1.1775	0.4995	0.5235	-0.2495	-0.0445	-0.0805	0.5635	-0.1585	-0.9935	-0.7165	-0.7945	-0.7525	-0.1385	0.0045	0.0065	0.3545	-0.6645	-0.7755	0.1025	-0.6025	0.4855	-0.0385	-0.1435	-0.4705	0.4965	0.2825	-0.5835
-0.2805	0.5075	-0.2265	1.1565	1.2335	-0.4305	-0.2465	0.2775	0.1925	1.5625	-1.0775	0.3175	-0.3815	0.3245	-1.8215	-0.5595	-0.6515	-0.5885	1.4955	0.7175	1.0055	0.0005	-0.2345	-2.9135	-2.6505	-1.7655	0.4125	-1.5555	0.1445	-0.0465
0.2935	1.2555	0.3515	0.8705	0.4075	0.3625	-0.5485	-0.1705	0.0245	0.5745	-0.2905	-0.2195	0.3215	-0.6575	-0.9155	0.1335	0.6995	0.4425	-0.5395	0.1355	-0.3715	0.3125	-0.1675	0.2715	0.1765	-0.3755	0.2285	0.4165	0.2345	-0.5855
0.411	0.404	-0.085	-0.76	-0.206	0.108	1.406	1.333	1.332	2.125	0.94	0.932	1.089	1.133	0.963	1.444	0.489	0.039	1.653	1.18	0.461	0.773	0.86	2.607	2.971	2.687	-1.575	1.838	0.395	1.438
0.6005	0.6565	0.5085	0.8495	1.1025	0.4045	1.5875	0.3145	0.3865	0.9215	0.3235	-1.3705	1.8985	0.6695	-0.1315	0.0265	0.7525	0.9215	-0.0385	0.9995	-0.6835	0.1765	0.1445	0.0455	-0.4805	-0.7265	0.6775	0.1905	-0.3125	0.1055
1.0885	1.0535	-0.1815	-0.2995	0.3495	-0.2575	0.0005	0.2625	0.3155	0.2675	-0.7135	0.0325	0.4765	-0.2585	0.2955	0.3125	0.1185	-0.5245	-0.6045	-0.7845	0.3235	-1.6675	0.4615	4.3665	3.0085	2.4905	2.0075	0.0245	-1.5815	0.9425
0.595	0.21	-0.3	0.281	-0.065	-0.252	-0.174	0.908	0.81	0.278	-0.049	-0.416	-0.547	-1.083	-0.108	-0.445	0.085	-0.204	0.279	-0.899	-0.36	0.025	-0.429	0.707	-0.936	-0.682	0.009	-0.299	-0.721	-0.173
0.8765	-0.4945	1.8535	2.2755	1.0715	0.5185	2.0115	0.9505	0.8045	1.6015	3.0375	2.9715	3.1335	1.1355	1.7655	2.6535	3.1105	2.1645	1.7025	2.6215	2.6965	1.1945	0.2775	-0.4055	1.8355	-1.5075	1.4395	2.0195	1.5865	2.2645
0.976	0.466	0.303	0.245	-0.643	-0.271	0.361	-0.234	-0.273	-0.1	-0.133	-0.378	-0.708	-0.307	-1.366	0.023	0.004	0.038	0.666	-0.063	-0.165	-0.11	-0.611	0.035	0.767	0.708	0.417	0.299	-0.566	0.469
-0.3615	-1.1435	-0.5165	0.0915	-0.1575	0.1785	-0.4585	-0.5545	-0.4715	-0.2905	-0.6905	-0.4095	-0.8295	-0.2825	-0.8185	-0.1295	-0.4845	-0.5425	-1.1105	-1.3435	-0.8425	-0.4015	0.3915	-0.5725	-0.6445	-0.4035	-0.6755	-0.5825	-0.3555	-0.3935
-0.2405	0.1585	-1.2225	-0.1565	-0.0295	-0.6315	-0.9395	0.9025	0.8515	0.0255	0.2715	0.5225	-0.7875	-0.1125	1.1045	-0.3215	-0.4765	-0.4135	-1.1065	-1.0505	0.3915	-0.3985	0.1635	-0.4055	0.3915	0.7655	-0.4325	-0.3165	0.2825	1.1785
-0.6475	-0.9935	-0.9005	-0.4435	0.1665	-0.0235	-1.3355	-0.1935	-0.1535	-1.0635	-0.2735	-0.3665	-0.8395	-0.6445	-0.8665	0.0325	0.1195	0.8275	2.0165	1.4065	0.0465	-0.1035	0.2655	0.5665	0.5565	0.5155	0.5435	-0.3045	-0.3515	0.8565
0.3235	0.1665	-0.2195	-0.4275	-0.2025	-0.1425	0.2685	0.1235	0.0945	0.0715	-0.0505	-0.1535	-0.2485	0.2065	0.4195	0.4575	0.4055	0.3295	0.8955	1.2585	0.9935	0.6145	0.1065	0.5555	0.3245	0.3905	-0.0345	0.2765	-0.2775	0.9735
0.8285	-0.2465	0.2275	0.2045	0.0945	0.0545	-1.3695	-0.0235	-0.0395	-0.0685	-0.3905	0.1125	-0.6515	-0.7675	-0.0895	-0.2305	-0.5325	0.3115	0.7885	0.3805	0.4955	0.7605	0.4325	-0.1955	-0.6455	-0.4465	0.0575	-0.0935	-0.4565	0.1545
-1.397	-1.383	-0.466	-0.834	-0.702	-0.113	-0.937	0.032	-0.137	-0.692	0.436	-0.116	-0.423	-0.453	0.264	0.261	0.036	1.028	0.771	-0.026	0.541	0.205	-0.92	0.649	1.039	-0.513	0.914	0.294	0.666	0.565
0.59	0.6	0.508	0.365	0.568	-0.268	0.97	0.487	0.374	1.074	0.3	0.665	0.279	0.57	-0.097	0.483	0.145	0.254	1.017	1.177	0.738	0.081	0.051	0.204	-0.638	-0.288	0.671	0.604	-1.158	-0.004
-0.1275	-0.3265	0.3455	-0.1215	2.6415	-0.2025	-0.1995	-0.1575	-0.0245	-0.5805	0.0075	-0.0475	-0.0035	0.2495	0.0165	-0.0215	0.0505	-0.2045	-0.1735	-0.4705	0.2035	-0.2795	0.0145	-0.0915	0.0695	0.0875	0.0525	0.0625	0.0565	0.0325
2.372	0.282	-0.598	-0.639	-1.129	-0.251	-0.209	-0.328	-0.27	-0.058	0.577	-1.922	-1.075	-0.864	-0.868	-1.734	1.066	0.284	-0.381	0.138	0.704	1.785	-0.718	2.785	1.894	0.64	-1.241	0.779	2.197	2.12
-0.819	-0.709	-0.126	-0.178	-0.595	0.342	-0.447	-2.477	-1.759	-1.842	-0.666	-1.517	-0.07	-1.748	-0.777	-1.76	-0.602	-0.853	-1.792	-1.928	-0.925	-0.711	-1.081	1.145	0.684	-1.156	-2.018	-0.364	-0.228	0.951
0.164	-0.499	-0.331	-0.117	-0.333	-0.191	0.81	-0.132	-0.05	-0.243	0.031	-1.073	2.143	1.08	0.74	1.667	0.032	2.532	0.776	3.02	2.675	1.65	0.026	2.424	-0.235	1.005	0.984	0.015	1.331	1.39
0.432	-0.594	0.29	-0.353	0.179	-0.012	0.667	-0.024	-0.105	0.267	0.256	0.541	1.361	0.393	1.161	0.178	1.431	0.301	1.107	0.565	0.935	0.905	0.699	0.78	0.222	0.034	1.345	1.448	0.488	0.313
-0.024	-0.011	-0.078	-0.289	-0.057	-0.101	-0.197	-0.62	-0.594	-0.031	-0.456	-0.211	0.016	0.66	-0.13	-0.459	0.522	0.002	-1.11	-0.252	-0.213	0.607	0.359	-0.785	0.284	-0.543	-0.463	-0.832	-0.008	-0.225
-0.223	0.245	0.877	-0.09	-0.098	-0.036	0.308	0.825	0.865	0.492	0.088	-0.052	-0.627	-1.07	-0.342	-0.361	0.65	0.419	0.558	-0.571	-0.349	-0.691	-0.041	-0.924	-0.43	-0.938	-1.289	0.348	0.143	-0.928
-0.188	0.11	-0.725	-0.174	-0.178	-0.306	-0.373	0.4	0.446	0.237	0.606	0.195	0.322	0.104	-0.274	0.438	0.329	-0.503	0.476	-0.079	-0.157	-0.196	-0.104	0.39	-0.081	0.774	-0.219	-0.156	-0.395	0.373
-0.8715	1.1235	1.9595	3.7385	-0.6675	-0.4695	2.8205	3.7445	3.6245	0.4115	-0.0005	-1.3405	0.7165	-0.3605	-0.2035	0.7345	-0.5765	0.5545	-0.4285	-0.7785	-0.3925	-0.1745	-0.9315	4.8855	1.7235	1.6285	3.2965	-0.9015	-1.2355	4.5935
0.7445	0.3095	-0.5305	0.2585	-0.4285	-0.2405	-0.0015	1.1015	1.0015	-0.1305	0.3365	-0.1475	-0.3475	-1.1205	-0.2045	-0.4735	0.3725	-0.2885	0.1365	-0.5675	-0.7045	-0.2965	-0.7505	-0.7155	0.1275	-0.4255	-0.8175	-0.2785	-0.1645	0.4655
0.982	0.157	-0.459	-0.076	-0.888	0.472	0.005	0.891	0.828	-0.073	-0.801	1.141	0.44	0.289	0.495	0.209	0.103	-0.074	-0.753	0.116	0.221	-0.512	0.033	0.906	-0.07	-0.114	0.868	-0.565	0.495	1.117
-0.435	-0.116	-0.29	-0.407	-0.471	0.059	0.307	0.685	0.79	-0.106	0.131	-0.036	-0.099	-0.624	0.766	0.992	0.415	0.701	0.559	0.797	-0.061	0.821	0.115	0.546	-0.651	0.083	-0.24	0.695	0.196	0.094
-1.196	1.381	-1.412	-1.047	-0.844	-0.073	-1.158	-0.673	-0.603	-1.137	0.207	0.169	-0.051	-0.172	-0.57	0.426	0.103	0.173	1.355	0.729	-0.099	0.814	-0.745	1.63	0.013	0.216	0.038	-0.358	-0.022	1.274
-1.432	0.627	-1.492	-0.693	-0.743	-0.353	-0.958	-0.853	-0.723	-1.273	0.307	0.143	-1.034	-0.348	0.347	0.888	-0.083	0.236	0.577	-0.833	-0.207	0.937	-0.488	-0.073	0.577	0.175	0.553	0.362	0.112	0.637
-0.536	-0.927	-0.363	-0.99	-0.628	-0.474	0.419	0.372	0.387	-0.386	-0.56	-0.036	-0.111	-0.615	0.083	-0.216	-0.139	-0.06	0.008	0.782	-0.059	-0.074	-0.189	-0.199	-0.003	-0.903	0.501	0.236	-0.044	0.68
-0.2645	-0.0645	0.0845	-0.3475	0.2075	0.0655	-0.2665	0.1985	0.3345	-0.0015	-0.1205	-1.1795	-0.6415	-0.5825	-0.4545	0.1765	-0.1815	0.0765	0.2135	0.0285	-0.0185	-0.3555	0.4455	-0.0095	-0.6205	-0.4345	-1.1405	-0.5975	-0.8535	0.2345
-0.0215	1.4325	1.3575	-0.6395	-0.4605	-0.1045	1.8415	1.3835	1.4155	0.8095	0.0465	1.2985	1.0915	1.5465	1.1645	1.1775	1.1435	1.0455	0.2245	2.0385	0.3475	1.1245	1.3725	0.6665	1.2015	1.0325	1.1415	1.3545	0.9885	0.8615
0.163	-0.238	-0.17	-0.118	0.28	-0.136	0.195	-0.096	-0.065	-0.056	0.155	0.689	0.392	-0.236	0.571	0.008	0.352	0.034	0.316	-0.104	0.368	0.13	0.022	0.534	0.13	-0.326	-0.181	0.33	0.87	-0.073
-0.272	-0.371	0.142	-0.195	-0.162	-0.172	0.012	0.145	0.28	-0.307	-0.155	-0.353	-0.119	-0.364	-0.179	0.648	0.143	-0.226	0.885	0.064	-0.166	-0.119	0.891	1.372	1.093	1.421	0.979	-0.255	-0.16	0.428
-0.2505	0.9045	-0.1895	-0.0865	0.9155	-0.5175	0.3165	-0.1925	-0.1325	0.4445	-0.7395	-0.6975	-0.1315	0.5735	-0.5685	-0.6165	-0.5295	-0.2035	1.6005	0.1165	0.0995	0.4085	0.3985	0.3275	-0.9845	-0.8235	-0.4355	0.1625	0.1275	-0.2685
1.088	0.305	-0.27	-0.221	-0.37	0.011	0.854	1.03	1.059	0.227	1.57	0.301	0.608	1.053	0.581	0.503	0.282	0.414	0.572	-0.087	0.959	0.303	0.133	1.267	0.378	0.972	0.315	0.547	1.481	0.888
0.561	0.459	0.478	-0.106	-0.003	-0.004	-0.176	-0.025	-0.149	0.147	0.028	-0.831	0.492	-0.737	-0.196	-0.148	-0.171	0.003	0.782	0.242	-0.623	-0.55	-0.454	-0.28	-0.246	0.339	0.084	0.685	-0.064	0.136
0.524	0.312	0.52	-0.171	-0.377	0.173	-0.293	1.465	1.503	-0.007	-0.19	-1.802	-0.39	-0.162	-0.054	-1.066	0.161	-0.394	1.007	2.022	-0.262	3.014	0.02	3.33	2.198	2.923	1.15	-0.499	0.191	1.013
-0.362	0.218	1.707	-0.185	-1.89	-0.762	-2.235	0.073	0.239	0.128	0.651	2.038	-1.226	-0.81	-0.255	-0.007	0.632	0.516	0.342	1.128	-0.921	-2.078	-1.747	1.404	1.032	2.304	-1.425	0.239	-1.429	-0.767
-0.1965	-0.4495	-0.4735	0.1245	-0.2815	-0.0855	-0.2895	-0.9385	-0.8955	-0.2245	0.5175	-0.1105	-0.9615	-0.7755	-0.2565	-0.5205	-0.0375	-0.5545	-0.1595	-1.0585	-0.5765	0.2225	-0.3975	-0.0995	0.2445	0.7765	-0.4025	-0.2875	0.3265	0.1995
0.34	-0.529	-0.299	0.438	-0.127	0.088	-0.704	-0.084	-0.106	0.646	-0.006	0.077	-0.02	-1.278	-0.902	-0.53	-1.417	-0.811	-0.288	-1.523	-0.838	-0.158	-0.563	0.629	-0.251	0.006	0.243	0.07	0.556	0.215
1.2055	-0.0255	-0.1895	1.8355	2.2605	0.6825	0.3055	-0.4265	-0.7365	1.7525	-0.2605	0.0145	-0.2565	-0.6705	-0.8185	-0.5175	0.2275	-0.0745	1.3915	3.0465	0.3245	0.9015	0.2355	-0.1835	0.3125	1.7485	-0.9065	0.0585	-0.3725	-0.3135
0.3155	1.3135	0.2775	0.5185	0.2045	0.4865	-0.5215	1.0505	0.8955	0.7775	0.4835	0.8025	1.0325	0.0735	0.1085	0.0675	0.5535	0.0735	0.0415	0.3605	0.5475	-0.0385	-0.0095	-1.0305	0.6315	0.4985	1.0535	0.5585	0.6895	-0.1915
0.83	0.136	0.509	0.883	0.378	0.602	-0.3	0.184	0.164	-0.429	-0.284	-0.639	-0.648	-1.417	-0.559	-1.567	-0.54	0.02	-1.305	-2.022	-0.453	-0.657	-0.376	-1.037	-0.566	0.089	-0.132	0.227	-0.638	0.376
-0.3345	0.0545	-0.1235	-0.3125	-0.0675	0.6385	0.3075	0.9305	0.8275	0.2585	-0.0705	0.7865	-0.0285	0.3715	0.8405	1.6025	-0.4435	0.8055	0.6605	0.9225	0.7695	-0.1255	-0.0495	-0.0455	-0.3925	-0.1995	-0.5445	-0.2655	0.2495	0.9825
-0.267	0.216	-0.066	-0.249	-0.309	-0.2	0.25	-0.015	-0.003	-0.404	0.102	0.187	0.496	0.986	1.226	-0.213	0.062	0.211	-1.139	-1.441	0.57	0.247	-0.113	-0.002	0.052	-0.373	-0.025	0.299	0.548	0.316
-0.106	-0.741	0.352	-0.201	-0.557	0.033	0.367	0	0.041	0.171	0.041	-0.193	-0.128	0.712	-0.916	0.702	0.151	0.254	1.304	0.901	0.512	0.258	-0.17	0.758	-0.125	-0.05	0.686	0.17	-0.303	0.953
1.7935	0.6945	1.7165	-0.5635	-0.4755	-0.2415	2.1635	3.0165	2.9735	2.5585	1.7645	-0.1005	0.7085	-0.2475	3.1575	-0.1745	-0.0005	1.1065	0.5425	2.8675	2.3875	2.2325	-0.7425	-1.4735	-1.1895	1.2015	0.5485	1.2845	1.6485	1.8495
0.4695	0.1365	0.6915	-0.0345	0.0685	0.3575	0.1645	0.1105	-0.0305	0.0215	0.1395	-0.4285	0.2515	-0.4535	-0.1845	0.4605	0.3095	-0.1895	-0.2285	-0.2895	0.0165	0.1125	0.5205	1.5005	0.5925	-1.1025	-0.1395	0.3725	0.5445	0.5035
-0.6255	-0.5135	-0.1615	-0.3995	0.1725	0.2425	-0.1185	-0.7695	-0.6335	-0.1135	0.0765	-0.4385	-0.7075	-0.4185	0.0555	0.2125	0.5985	1.2545	1.0865	0.5905	0.0025	-0.4075	0.1665	-0.0125	0.3485	-0.5515	-0.0945	-0.4045	-0.5485	0.9955
-0.309	0.412	0.012	0.248	0.749	-0.116	-0.385	-0.053	-0.048	-0.008	-0.435	-0.175	-0.253	-0.092	-0.391	-0.55	-0.431	-0.224	0.812	-0.527	-0.177	-0.609	1.057	0.324	-0.491	-0.179	-0.054	0.051	-0.791	-0.265
-1.289	0.018	-1.388	-0.679	-1.088	0.247	-0.623	0.975	0.708	-1.035	-1.13	-0.689	-0.845	-0.78	-0.254	-0.395	-0.81	0.35	-0.937	-1.462	-1.892	-0.892	-2.036	1.094	-0.201	-0.983	-1.948	-1.383	0.281	0.294
0.799	-1.238	0.306	-0.192	0.363	0.883	0.965	0.959	0.69	0.001	0.138	-0.387	0.598	0.862	-0.039	0.988	-0.794	-0.092	0.666	1.576	0.475	0.607	-0.505	0.439	-0.691	-0.258	-0.656	0.665	0.527	-1.927
0.8665	0.9965	1.7075	0.3225	0.2465	1.1615	-0.2455	-0.1095	-0.0925	0.0755	-0.6675	1.4845	1.0045	0.4055	1.2445	1.5015	0.0155	1.8765	1.1085	-0.5665	1.0085	-0.1475	0.0055	-0.2115	0.5835	-0.3065	2.0315	0.8005	-0.0055	-0.0305
1.207	-0.038	-0.55	-1.02	-0.993	-0.338	0.659	-0.509	-0.328	0.323	0.942	-0.911	-1.079	-1.135	-0.267	0.329	0.855	1.238	0.539	-0.793	0.469	-0.051	0.935	-0.476	-0.126	-0.017	-1.229	-0.333	-0.887	-1.103
0.3245	0.5165	1.0105	0.1755	-0.0135	0.4545	1.4055	1.0245	1.0235	0.6145	0.0855	-0.4955	0.7485	0.1405	-0.6295	-0.0765	1.0915	0.6295	1.3945	1.1965	1.2115	0.8475	-0.0555	0.4065	0.0645	-0.2745	0.1535	0.2745	0.5675	0.3165
0.3555	0.1275	-0.0445	0.4145	0.3795	0.5155	-0.2535	-0.2495	-0.0845	0.3915	0.1065	0.3345	0.3855	-0.6565	-0.9985	-0.7315	0.7225	0.6065	0.9785	0.2605	-0.1985	-0.2705	-0.0665	-1.1885	-0.6065	-0.3395	-0.1505	-1.0605	-1.2965	-0.3225
0.0045	1.0375	0.0685	0.1385	0.8515	0.7265	-0.5145	0.3995	0.2935	-0.2175	0.3915	-0.0295	-0.8685	0.3815	0.4555	0.7845	-0.5585	0.4335	-0.3695	-0.1825	-0.3595	-0.1415	-0.8025	-0.3125	-0.3065	-0.7035	-0.3035	-0.6115	0.5665	-0.6355
0.3515	-0.4595	0.1625	0.0745	0.5015	0.9065	0.2185	0.8745	0.5935	0.6165	0.5775	0.2605	1.2255	0.7655	1.9625	0.6525	0.8515	0.6685	0.8185	0.6445	-0.4945	-0.1735	0.9765	-0.2245	0.0425	-0.1075	-0.3615	0.7115	0.2965	0.8715
-0.0995	0.0515	0.2715	0.1585	0.0165	0.2715	0.4305	0.3375	0.3025	0.3415	-0.1135	-0.2655	0.6775	0.3925	0.3415	0.7245	-0.0295	0.1635	0.4245	0.6015	0.8835	0.3585	-0.0625	0.2995	0.0215	0.3175	0.2395	0.5885	0.7425	-0.1135
-0.0095	0.0405	-0.8065	-0.2475	-0.3135	-0.1685	0.5465	-0.3475	-0.2595	-0.3335	0.7035	-0.1295	-0.3975	-0.0255	-0.1095	-0.0345	-0.2975	-0.3795	-0.2195	-0.9455	-0.3445	0.2985	-0.0785	0.1135	-0.0815	-0.2165	-0.2395	-0.7475	0.2955	-0.3165
0.6005	0.5755	-0.0865	0.0795	-0.1735	-0.1605	0.0175	-0.6875	-0.8845	0.2925	-0.9575	-0.7605	0.1375	-0.4455	-0.5745	-1.4095	0.3045	-0.4155	0.2235	1.9075	-0.4905	0.5245	-1.3335	1.4905	-0.3095	-0.8135	1.0675	0.7145	-0.8045	0.3785
1.8645	-0.7705	1.6545	0.7155	1.6245	2.3315	2.3455	4.4165	4.3925	1.9975	3.7685	1.1465	-0.2525	3.9235	3.6595	4.0345	0.7256	2.5025	3.3135	3.0055	4.4225	5.1665	3.3855	-0.1855	0.4485	0.4165	2.2795	3.1635	3.2385	3.7765
0.6725	-0.2685	-0.3265	-0.0315	-0.2945	-0.0945	0.0795	0.5795	0.2465	-0.3165	-0.3195	0.2975	-0.1165	-0.1085	0.1085	0.7955	0.0035	-0.0695	0.6805	0.3565	0.4845	-0.2685	0.4235	1.7225	0.8235	-0.4295	-0.2195	0.6765	-0.4455	0.8175
0.2395	-0.3025	-0.0805	-0.1395	-0.1705	-0.0325	-0.5255	-0.4745	-0.7125	-0.3805	-0.1195	-0.0535	-0.5805	0.7405	0.0105	0.4085	0.1395	0.6825	0.3085	0.4295	0.1325	0.2025	0.5385	-0.7695	0.3735	-0.1215	0.4295	-0.1425	0.0115	0.5205
-0.7265	-0.3765	-0.6865	-0.0885	-0.0565	-0.0835	-0.3625	-0.6375	-0.6295	-0.0105	-0.6575	0.3185	-0.6775	-0.9475	0.1475	-0.5525	-0.2705	-0.7175	-0.9735	-0.8785	-0.3885	-0.2535	-0.1305	1.0255	1.0115	-0.1295	-0.6335	-0.6145	-0.8265	-0.0675
0.977	0.367	0.387	0.655	1.081	0.203	-0.373	0.114	-0.014	0.035	0.826	0.835	0.106	1.987	0.478	-0.902	1.087	-0.665	-0.438	0.448	-0.783	0.165	0.85	-0.758	0.268	-1.293	-1.761	0.135	-2.499	0.592
0.881	1.427	1.965	0.874	0.646	0.794	1.979	1.302	1.442	0.176	2.432	1.473	1.833	1.238	1.636	1.406	0.404	-0.078	1.177	1.139	2.554	1.41	0.541	-0.736	-0.051	-1.853	1.683	1.574	1.826	1.969
0.7155	0.8175	-0.1745	-0.5765	-0.2305	-0.1475	0.1055	0.6855	0.6095	-0.0575	0.0295	-0.7595	0.0155	-0.3255	0.1165	-0.3345	0.4045	0.0845	0.3195	0.2365	0.1695	0.2375	0.7095	3.3595	2.7105	0.6725	-0.8055	1.3815	0.1785	0.4905
0.2745	-0.5895	0.2175	-0.3965	-0.5995	-0.1425	-0.5125	-0.2335	-0.2785	-0.0135	0.2445	-1.3985	-0.6745	0.2595	-0.6205	-0.3255	0.3645	0.5035	1.7735	0.5805	-0.0015	-0.1945	-0.4455	0.7195	0.0015	-0.3505	0.2635	0.3535	-0.2395	1.3335
-0.347	-0.491	-0.163	-0.068	0.321	0.279	0.271	-0.837	-0.623	-0.25	0.15	-0.317	-0.946	0.165	0.033	-0.483	-0.189	0	-0.464	-0.325	-0.633	0.079	0.11	-0.88	-0.207	-0.577	-0.213	0.246	-0.016	-0.299
-0.105	0.637	-0.541	-0.617	-0.65	-0.205	-0.689	0.439	0.519	0.07	0.117	-1.211	0.045	-0.475	-0.127	1.5	1.228	0.921	0.559	0.423	1.085	1.156	1.662	1.093	0.445	0.099	0.052	-0.274	-0.07	0.533
-0.39	0.591	-0.487	0.191	-0.242	0.017	-0.793	-0.05	-0.037	-0.116	0.354	-0.709	-0.505	-0.363	0.277	-0.638	0.063	-0.423	-0.503	0.556	0.58	0.49	-0.444	0.853	0.335	-0.767	-0.227	0.248	0.436	0.238

WO 2007/061876 PCT/US2006/044737

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB59 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018(LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-MI LUMINAL	BR95-015(LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016' LUMINAL	UB78 LUMINAL
-0.0015	-0.0415	0.1585	-0.1365	0.0425	0.0795	-0.0005	-0.0695	-0.2375	-0.0605	0.0405	-0.0485	-0.0525	-0.0515	0.3775	-0.3865	-0.1515	-0.0175	-0.0625	0.3925	0.1795	0.3655	-0.0715	0.0995	0.0985	-0.1925	2.6395	0.1555	0.1985	-0.3675
-0.55	-0.823	-0.017	0.089	-0.611	0.202	-0.084	2.882	2.884	1.031	2.256	0.629	0.391	-1.352	0.235	1.737	-0.22	0.512	-1.047	2.689	0.106	0.108	-0.414	-0.003	-0.337	1.018	2.289	0.486	-0.369	0.037
0.627	-0.052	0.094	0.081	-0.244	0.237	0.62	1.134	1.165	2.177	1.589	1.825	1.233	2.446	1.016	2.65	1.598	1.244	3.743	2.788	2.849	1.806	2.56	-0.439	0.2	-0.507	2.303	3.125	1.573	1.293
0.212	-0.151	-0.246	-0.437	0.044	0.213	0.336	0.12	0.198	0.136	-0.507	0.517	0.058	0.414	0.689	1.917	-0.548	0.404	0.999	1.898	0.446	0.073	0.299	1.78	-0.564	0.254	-0.086	0.356	-0.47	0.3
-0.354	0.489	-0.087	-0.091	-0.126	0.278	0.189	-0.043	0.022	-0.377	0.041	-0.088	0.075	0.582	0.317	-0.242	-0.08	0.327	-0.686	-0.091	-0.271	0.025	0.375	0.015	-0.351	-0.373	-0.364	-0.261	-0.033	-0.014
0.472	1.535	0.722	0.745	0.813	1.051	1.321	1.187	1.114	0.638	0.111	2.104	1.214	1.448	0.429	1.103	0.504	1.018	-0.083	-0.109	-0.412	-0.58	0.094	0.7	-0.682	0.334	0.721	-0.212	0.348	-0.198
-0.847	1.503	-0.223	0.296	0.034	-0.544	0.973	1.404	1.45	2.426	1.649	0.577	-0.121	0.97	0.507	1.39	0.003	-0.162	-3.202	0.973	0.746	0.319	-0.9	2.495	2.258	0.764	3.755	2.39	1.497	0.937
-0.204	0.055	0.485	0.165	-0.079	0.033	-0.253	0.062	0.141	0.192	0.153	0.24	-0.11	-0.996	-0.427	-0.362	-0.113	0.002	-0.055	-0.384	0.03	-0.607	-0.3	-0.673	-0.097	0.945	-0.077	1.167	0.046	-0.085
0.489	-0.516	0.515	0.037	0.201	0.296	-0.677	0.267	0.271	0.052	-0.053	-0.614	-0.386	-0.195	-0.298	0.264	0.14	0.563	1.539	0.538	0.353	-0.055	-0.711	-0.283	-0.179	0.265	0.214	-0.144	-0.205	0.604
0.1455	0.0655	0.1605	-0.4315	0.1185	0.2275	-0.5615	0.0085	0.2085	0.1955	0.1865	-0.1765	0.5015	0.1665	0.9185	1.1585	-0.6515	0.9685	0.1555	0.6605	0.4255	0.5285	-1.0255	0.2405	-0.1535	0.5915	0.1735	-0.5855	-0.2945	0.0745
0.961	1.256	1.531	1.738	-0.05	0.236	-0.546	-0.025	-0.036	0.098	-0.719	0.324	0.256	-0.883	-0.413	0.498	-0.061	0.746	-0.874	0.026	-0.384	-0.593	-0.427	-0.216	-0.818	-0.215	1.036	0.757	-0.228	0.201
0.328	-0.525	-0.326	0.18	-0.448	0.091	0.215	-0.387	-0.404	-0.26	0.199	-0.083	-0.592	0.191	0.216	0.049	-0.01	-0.434	0.309	-0.602	-0.251	0.377	-0.003	0.521	0.093	0.12	0.315	-0.232	0.028	0.822
0.0965	0.1315	-0.1875	-0.5845	0.3585	0.4335	0.6785	0.8115	0.1505	0.1565	0.3225	0.5215	0.8605	0.0345	1.9445	0.9635	-0.3345	0.3565	0.3485	0.3575	0.2425	-0.4885	-0.3005	-0.2695	0.0925	-0.2885	0.1935	-0.7005	0.4205	0.4605
0.081	-0.002	-0.423	-0.189	0.157	0.19	-0.952	0.174	0.11	-0.335	0.464	0.37	0.256	0.865	1.003	1.441	-0.581	0.114	0.417	0.482	0.319	0.655	-0.074	0.21	-0.28	-0.072	-0.138	-0.421	0.05	0.333
0.3945	-0.0275	0.8175	0.0995	0.6835	0.3425	0.5115	0.5285	0.5105	-0.2585	0.3735	-0.8495	-0.5025	0.4405	0.5345	0.8425	0.6445	0.5285	0.7055	-0.1405	0.2625	0.0585	0.8725	-0.0105	-0.6075	-0.7975	-1.1305	-0.4325	-1.1265	0.0365
0.5395	0.6075	0.1195	0.1535	0.6385	-0.4995	0.3915	0.2545	0.2305	0.4015	-0.0835	1.5195	0.6535	0.9465	0.2245	-0.5705	0.6615	0.0795	-0.6735	-0.7995	0.3585	-0.1645	-0.0455	-0.8195	-0.5205	-0.2395	0.3485	0.7035	-0.1555	-0.8615
1.1485	-0.4525	1.6625	0.4515	-0.2305	0.1905	-1.7915	1.6795	1.6785	0.1805	1.0755	-2.4115	0.8715	2.0665	1.3325	-2.0315	1.9725	1.0495	2.2355	1.4995	2.5435	2.0825	1.0975	1.9455	0.5195	1.3995	-0.0175	0.5845	1.0765	0.1655
-0.0085	-0.3015	-1.4485	0.9645	-0.7545	0.5545	-0.1465	-0.0835	-0.1695	-0.0655	-0.1695	-0.4155	0.3715	0.2815	-1.9475	-0.7895	-0.1615	0.3115	0.5285	-0.2805	-0.0945	-1.8625	1.1035	-2.7075	-0.0195	-1.0685	-0.3085	-0.3975	-0.1565	-0.3595
0.8155	1.4185	0.0275	0.7245	0.7775	-0.1475	1.0505	0.1385	0.1265	1.1425	-0.1245	-0.4515	0.0735	0.0825	-0.7435	-0.1385	0.9235	-0.1785	0.5715	0.6125	1.0295	-0.1745	-0.4115	-0.3065	-0.0475	-0.1395	-0.3315	-0.4425	-0.5535	-0.0955
1.278	0.819	0.232	0.373	-1.057	0.141	-1.864	-0.28	-0.293	0.622	0.858	-0.98	-0.265	0.924	-1.01	1.328	-0.3	0.983	2.043	0.552	1.92	0.592	0.009	-1.978	1.619	-0.415	1.009	-1.452	0.387	1.111
0.4325	1.0205	0.0885	0.0435	-0.3945	-0.5855	-1.0375	0.5145	0.6755	0.3975	-0.5235	-0.3955	0.4845	-0.6125	-1.1755	1.1115	-0.2305	-0.2225	0.1525	0.8765	-1.1915	-0.8125	0.0345	0.4885	-0.1015	-0.8405	0.1105	0.1045	-1.2965	0.1145
0.035	0.991	-0.38	0.258	0.53	-0.074	0.449	1.335	1.237	-0.115	0.269	-0.767	-0.672	-0.128	-0.132	0.415	0.584	0.06	0.148	0.224	0.572	0.317	0.744	1.006	-0.279	0	0.448	-0.058	-0.861	0.607
0.2365	-0.1955	-0.2125	-0.8255	-0.7525	0.4185	-0.9545	0.5475	0.4745	-0.3175	-0.8195	0.3165	-0.0805	-1.0265	-0.5515	1.0825	-0.0475	0.4405	-0.0775	0.4395	-0.2735	0.2235	0.6635	-0.3485	0.0195	0.6555	1.2245	0.1845	0.2375	0.7635
-0.209	0.379	0.381	0.265	0.35	-0.035	-0.83	-0.15	-0.099	0.095	0.119	0.539	0.041	-0.926	0.366	-0.131	0.004	-0.01	-1.638	0.405	-0.017	-0.401	0.414	0.479	1.359	-1.139	0.574	0.443	-0.694	0.616
1.5835	0.3055	0.9755	0.7665	-0.5705	-0.5325	1.7535	-0.0145	0.0795	1.8455	0.3665	0.6145	-0.4185	-0.1435	1.5995	1.0285	0.9825	0.0725	-0.6915	0.0505	1.9145	0.1535	-1.5865	2.7345	1.3035	0.3945	2.4225	1.9465	0.8565	0.5805
0.096	0.338	-0.313	0.117	-0.066	-0.005	-0.26	0.347	0.382	0.26	0.115	-0.334	-0.316	-1.188	-0.389	-0.072	-0.023	0.183	1.144	0.741	3.066	-0.663	0.422	0.308	-0.38	-0.972	-0.262	-0.305	-1.333	-0.113
1.3405	-0.4905	-0.7215	-0.0505	0.2335	-0.0995	-0.1345	-0.1175	-0.0635	0.5225	-0.2685	5.2925	-0.0685	-0.6635	2.3225	0.1685	-0.1145	-0.4925	1.3505	0.2275	4.4595	0.1135	0.5745	1.1605	-0.0305	-0.4905	2.1155	-0.4815	0.5335	0.2005
0.477	0.042	0.017	0.226	0.76	0.57	0.772	0.048	0.213	1.05	0.331	0.713	1.399	0.747	0.462	0.946	0.107	0.802	-0.697	0.393	0.884	-0.496	-0.569	1.588	1.227	-0.698	0.274	0.581	0.636	-0.327
1.157	0.381	-0.122	-0.023	-0.168	0.445	-0.133	0.97	0.958	0.069	0.273	0.473	0.266	0.807	-0.111	1.097	0.643	0.386	1.008	0.332	0.193	-0.038	1.591	0.055	-0.466	-0.074	-0.203	-0.915	-0.839	1.03
-0.9125	-1.7815	0.2145	2.0445	0.0905	0.1025	0.0735	-2.1525	-1.4885	-1.2115	-0.0105	-0.6115	-0.4595	-0.7385	-0.0725	-0.9705	0.2735	-0.4245	-0.7525	-1.7785	0.1395	0.1125	-0.0335	-0.1025	0.3705	-0.2375	-0.9615	0.0165	0.5915	0.1035
-0.5595	-0.0515	-0.8045	0.1595	-0.0105	0.0355	0.6985	0.3515	0.2655	-0.4205	-0.0365	0.6025	-0.5545	-1.3755	-0.6555	0.4045	-0.0925	-0.1265	0.1515	-0.5735	-0.0495	0.5115	0.0705	-0.1255	-0.7265	0.0765	0.3975	0.0025	0.3405	0.6385
-0.0805	1.7635	-0.0065	0.7335	-0.3825	0.0625	0.0685	0.4275	0.4355	1.1995	-0.9665	1.5475	1.5495	-0.2705	-0.8865	0.0065	2.1475	0.7375	0.8425	2.0715	0.8225	-1.1565	0.0905	0.4625	0.4335	1.3325	3.3755	1.4685	-1.4105	0.5195
1.837	1.963	-0.213	0.128	-0.004	-0.071	0.438	-0.821	-0.745	-1.271	1.053	-1.014	0.527	-0.222	-0.116	0.451	1.579	1.427	-0.023	-0.118	-0.095	-1.313	-2.725	-2.381	-1.221	-3.432	-0.274	-2.3	-2.35	-1.032
-0.1265	-0.0165	-0.2565	-0.2145	0.2105	-0.1205	0.2865	1.0955	1.0865	0.1665	0.6825	0.3315	-0.1385	0.6985	-0.6325	1.0855	0.4625	0.2665	-0.0685	0.5195	0.6435	0.0185	0.4045	0.1775	0.6805	-0.5665	1.3135	-0.5085	-0.6815	1.2345
-0.8405	-1.9545	-0.0225	-0.3135	-0.3475	-0.4155	-0.5315	4.7875	4.9035	-1.9665	0.0175	-0.7165	-1.0325	-1.0125	0.2065	-1.6905	-0.4175	-0.3445	-1.6265	-3.2075	-0.1205	-0.0265	-0.4745	-0.7335	0.0835	-0.2485	-1.0395	-0.1285	0.1945	-0.1115
0.622	0.464	0.893	0.424	0.614	0.644	0.48	0.394	0.394	1.054	0.704	0.833	1.073	1.32	-0.427	0.767	0.756	0.946	1.134	1.444	0.84	0.244	0.648	0.974	0.464	0.197	0.613	0.638	0.292	1.004
-1.0995	-0.7005	-0.0395	-0.7555	0.0045	-0.1235	0.6005	-1.8625	-1.7335	-1.3725	-0.3625	2.4005	-1.0895	-0.3595	-0.8995	-2.1895	-1.4495	-1.3495	-2.8285	-2.5125	-0.0995	-0.4985	-1.6695	-0.5055	-1.0875	-1.1495	-0.7595	-0.2895	-1.0395	0.2195
0.2145	-0.5265	0.0195	0.4525	0.0585	0.4325	-0.0805	-0.1775	-0.2505	0.0045	-1.1355	0.8825	0.1255	-0.7245	-0.0375	-0.0045	-0.1155	0.6325	-0.7015	-1.0295	0.3455	0.0885	0.4355	0.2305	0.2395	0.5645	0.0265	0.2765	-0.5255	-0.5135
0.138	-0.002	-0.637	0.543	-0.085	0.171	-0.871	-0.248	-0.169	-0.027	-0.448	-2.324	-1.096	-0.516	-0.537	-1.374	-0.516	0.184	0.111	-0.629	-1.038	-0.457	0.694	-0.18	0.818	0.136	-2.052	-0.021	-0.963	-0.128
-0.3305	-0.4965	-0.2525	1.0105	1.4725	-0.1275	-0.0175	0.8415	0.8895	-0.5485	0.0705	1.7065	0.6685	0.2885	-0.5325	-0.4595	-0.3385	-0.5275	0.0355	-0.7475	0.0225	0.3615	-0.1305	-0.1785	-0.0215	-0.0485	0.2635	-0.7005	-0.1155	-0.2025
0.2595	0.1745	0.4375	0.3655	0.0295	0.3355	0.0355	-0.3825	-0.3045	0.1155	-0.3515	0.0005	0.1375	0.1685	-0.8995	0.7265	0.4175	-0.1685	0.4095	-0.2455	-0.7205	0.0385	-0.4425	-0.1055	-0.1075	0.1035	0.4995	-0.2735	-0.0045	0.5855
0.2725	0.6995	0.2575	0.8755	0.2885	-0.1015	0.6365	0.1335	0.2015	0.8585	0.2755	0.2455	0.6875	-0.2455	-0.2285	0.3465	1.0755	-0.0325	-0.0955	-0.1275	-0.0425	-0.4125	0.4945	-0.0075	-0.7365	0.7855	0.7075	0.4635	0.3125	-0.4635
0.9615	1.2415	0.8605	0.8395	0.2495	0.6625	1.0685	-0.0025	-0.0495	1.2585	-0.0645	0.5945	1.5535	0.0355	0.1395	1.1775	1.4355	-0.0375	1.3535	1.1685	0.0335	0.2175	1.3845	1.7815	0.4005	1.7725	2.6305	1.1985	0.6755	1.9145
0.404	-0.519	-0.54	0.147	0.097	0.177	-0.249	0.003	-0.216	-0.133	-0.404	-0.881	-0.856	-0.414	-0.478	-1.205	0.19	0.678	-0.338	-2.215	-0.576	-0.003	0.012	-0.729	-1.38	-0.069	-0.638	0.011	-0.675	0.398
1.4605	0.5295	-0.2185	0.2335	0.1825	0.2525	0.3605	-0.4485	-0.4455	-0.0065	0.1775	0.2555	0.2695	-0.9935	-0.5845	0.6785	-0.2525	0.1825	0.2875	-0.9155	-0.0255	-0.4215	-0.0275	0.5445	0.5715	0.4045	0.0805	0.6595	-0.4715	-0.5445
1.272	0.897	0.297	-0.049	0.223	0.953	-0.531	-0.464	-0.501	-0.163	-0.419	-1.237	0.041	-1.775	-0.998	-1.488	-0.52	-0.038	-0.621	-0.959	-0.232	-0.577	-1.155	-1.114	1.249	-0.766	-0.939	-0.423	-0.655	0.293
-0.079	-0.502	0.571	0.702	-0.415	0.868	-1.213	-0.359	-0.368	-0.203	-0.423	-1.397	0.622	-2.349	-1.312	-1.789	0.205	0.014	-0.657	-0.431	-0.644	2.441	-0.35	-2.389	-0.916	-0.574	-0.778	-0.698	-1.957	0.213
-0.0465	0.3455	-0.2585	0.0995	0.9675	-0.2335	-0.2775	-0.9275	-0.4105	-0.4265	-0.0505	0.0305	-0.3215	-0.8945	-0.1825	-0.5465	-0.0785	-0.8485	0.1305	-0.6585	0.2215	-0.1815	-0.5715	0.3065	-0.0555	-0.1185	-0.6505	-0.2305	-0.4665	-0.3145
-0.4605	-1.4935	-1.3855	-0.7335	-0.0645	0.2465	0.1955	2.1055	2.0755	1.2685	2.7905	0.1175	-0.1235	-0.7745	1.1045	2.1075	-1.2095	-0.2515	-1.0535	2.6135	-1.2045	0.4065	0.0915	2.1435	-0.4195	1.1485	2.6235	0.6855	-0.9335	0.0565
-0.7975	-0.5625	-0.7575	-0.5155	0.4565	0.6805	-0.1735	3.1665	2.8355	0.9485	2.9755	0.1665	1.0035	-0.1205	1.2265	1.2835	-0.9295	0.1435	-1.0355	1.9855	-1.2835	0.4775	0.3905	0.9885	-0.2775	0.8685	2.7425	0.3245	0.1565	-0.1455
0.4055	0.1265	0.3065	0.1185	0.2895	0.0115	0.5885	0.2255	0.3595	0.5385	-0.1045	-0.3165	-0.1545	-0.0765	-0.6335	0.0895	-0.3065	0.1125	1.3815	0.5255	0.4975	0.4635	0.2105	-0.4155	-0.6815	-0.0535	-0.0645	-0.5345	-0.5025	0.0965
0.903	0.292	0.363	-0.049	0.009	-0.213	1.052	1.344	1.303	0.5	0.897	-0.491	0.059	0.018	-0.084	0.024	-0.13	-0.177	1.113	0.599	0.003	0.951	-0.131	-0.295	0.234	0.141	0.174	0.493	1.058	-0.242
-0.7905	-1.9175	-1.1915	-0.5705	-0.8485	0.0095	-3.0485	0.2855	0.2425	0.1705	0.2855	-1.0785	-0.2685	0.2515	-0.4365	0.2885	0.3705	1.8055	2.3875	2.0385	1.8865	0.7455	-0.6165	1.3885	1.3165	1.2815	1.4545	-0.2595	-0.1935	1.7655
-1.0875	-1.0135	-0.9035	-0.3545	-0.4715	0.0745	-0.9235	-0.7795	-0.6155	-0.0395	-0.2685	0.2235	0.2055	0.0025	0.4345	0.9205	0.9425	-0.0935	0.1295	-1.4525	-0.8805	0.0335	-0.0075	0.2935	-1.2295	1.2965	-0.0965	-0.0025	0.5585	-0.8835
-1.7085	0.0845	-0.1905	-1.0645	-0.8895	0.3165	0.6945	-0.2885	-0.3585	-0.9955	1.3425	-0.8035	-0.5875	-1.3885	-0.4225	-1.7505	2.4325	1.2885	-0.5955	4.2105	1.9795	4.1685	1.1235	2.5285	-0.2895	-0.5825	-1.0435	-1.0435	2.0025	-0.5775
-0.459	-1.313	-0.49	0.048	0.044	-0.037	-0.302	-0.344	-0.331	-0.55	-0.634	-0.678	-0.948	-0.913	-0.704	0.017	-0.275	-0.559	0.146	-1.546	-0.672	-0.642	0.738	0.068	-0.134	0.032	-0.584	-0.519	-0.348	-0.324
0.3115	1.1475	0.5535	0.1635	-0.7885	0.1485	1.1725	-0.0105	-0.0455	0.7475	0.2805	1.0035	1.2635	-2.1035	0.6385	-0.8175	1.0805	0.0105	-0.0725	1.3445	0.7895	1.5015	0.8415	0.8485	0.3065	1.0105	-0.0275	0.8335	0.2655	0.3555
0.0295	-0.7955	0.3145	-0.0735	0.5255	0.3265	0.8115	-0.0505	-0.0595	0.8325	0.2525	1.5545	0.2865	1.8065	0.1255	0.6915	0.6785	0.7635	0.4815	1.2035	1.6465	1.2575	-1.5135	0.5325	-0.3155	0.9475	0.4275	-0.3595	0.4175	0.5155
-0.772	-0.971	-1.123	-0.528	0.299	-0.442	-0.945	-0.224	0.006	0.117	0.357	-0.924	-1.034	0.853	-0.486	0.375	1.493	0.122	-0.09	-0.189	0.19	0.161	0.265	-0.085	1.149	0.244	-0.758	-0.434	-0.051	-1.073
0.243	-0.422	-0.567	0.134	0.001	-0.026	-0.034	0.171	0.188	-0.364	-0.337	-0.33	-1.321	-0.596	-0.645	-0.569	-0.362	-0.42	0.565	-0.433	-0.652	-0.088	-0.336	0.264	0.483	0.259	-1.189	-1.01	-0.579	-0.202
-0.573	0.353	-0.65	-0.071	-0.224	-0.179	-0.331	0.094	0.139	0.09	-0.894	-0.169	-0.553	-0.707	0.05	-0.026	-0.454	0.141	0.54	0.006	0.336	-0.235	-0.478	0.054	-0.03	-0.104	-0.413	-0.843	-0.565	-0.068
0.267	-0.366	0.225	0.694	1.264	0.641	2.25	0.816	0.683	1.202	0.61	0.646	1.4	2.316	0.605	0.557	1.382	1.258	0.649	1.441	1.321	1.008	1.252	1.048	0.344	0.022	0.348	0.466	0.68	1.14
0.6615	1.3505	0.6115	-0.3425	0.1945	0.6075	1.6535	0.6355	0.7375	1.1065	0.7055	-0.0405	-0.2985	-0.6855	-1.7045	-0.5455	1.6075	1.6285	2.5635	1.3845	1.8985	-1.4095	0.2645	-0.0745	0.4655	1.0705	-1.3245	-0.6245	0.4215	-1.3575
-0.1865	-0.5085	-0.4805	-0.3645	0.0055	-0.4365	0.7715	-0.4585	-0.3575	0.2955	0.1525	0.2515	0.7265	0.3645	0.8215	0.7915	0.4535	-0.1005	0.3525	-0.2175	-0.3555	-0.3665	0.9815	0.2735	-0.4145	-0.6025	-0.2445	0.1165	-0.3765	-0.2585
0.088	0.63	-0.217	-0.613	0.885	1.421	1.869	4.852	4.67	0.175	0.564	-0.319	2.024	0.454	0.02	1.739	-0.253	1.113	3.203	2.245	1.074	2.786	0.896	-1.625	-0.767	-1.049	-1.583	-1.521	0.758	-0.443
-0.22	-0.034	-0.53	-0.098	-0.095	-0.188	-0.074	0.573	0.59	0.523	0.058	-0.229	-0.411	-0.445	-0.707	0.73	0.224	-0.093	-0.053	-0.617	-0.561	-0.875	-0.442	-0.212	-0.209	-0.613	-0.641	-0.31	-0.311	0.106
-0.624	-0.104	-0.302	0.257	-0.007	0.068	0.705	-0.378	-0.333	-0.224	-0.333	0.476	0.106	-0.302	-0.082	0.07	0.389	0.333	-0.991	0.187	0.007	-0.371	0.248	0.744	0.172	-0.278	-0.89	0.024	0.404	-0.556
-0.7605	0.0755	0.5045	0.1515	-0.1055	-0.0065	0.1675	0.3765	0.5025	0.3255	0.3565	1.0205	0.2245	0.4815	0.3345	-0.0755	0.5035	0.5955	1.0155	1.3135	0.7305	0.9965	0.4805	0.4755	-0.6185	-0.7285	0.3565	-0.2355	-0.5555	0.7605
0.2725	0.0045	0.9955	0.6595	0.5665	0.6435	-0.8665	-0.1315	-0.5605	0.4355	-1.3685	0.8495	0.6745	-1.1515	-0.0995	0.4595	-1.3075	0.7595	0.9275	0.3195	0.6655	-0.8635	0.3765	-1.1255	0.0735	0.3275	1.0375	0.0995	0.0785	-0.5715
0.4405	-0.6365	-0.4925	0.0725	0.1145	-0.2635	-0.2665	-0.4005	-0.5175	-0.2665	-0.1895	-0.4085	-0.6735	-1.0245	-1.0305	-0.8385	-0.3095	-0.5595	-0.2115	-1.5335	-0.5165	0.2195	0.1465	0.2235	-0.5475	-0.0985	-0.3875	-0.4385	-0.4305	-0.3995
-0.1975	0.0025	0.5075	0.0715	0.5905	-0.0995	0.0335	0.2455	0.1165	0.4385	-0.8395	0.1655	0.0455	-0.3385	-1.2255	-0.5695	-0.1005	0.3325	-1.0625	0.0745	0.7945	-0.3475	0.0945	-0.3345	-0.8025	-0.3445	-0.7325	-0.1445	-0.5235	0.1065
0.497	0.097	-0.028	-0.353	0.667	0.097	-0.395	0.649	0.711	-0.022	0.244	-1.459	0.687	-0.393	0.162	-0.351	0.258	0.447	-1.053	-0.538	-0.544	-0.388	-0.007	-0.909	-0.03	-0.049	-0.196	-0.245	-0.342	-0.596
0.585	1.859	0.639	-0.128	0.664	0.591	-0.137	-0.494	-0.374	0.029	-0.425	0.457	0.666	-0.444	-0.178	-1.8	0.949	0.381	0.062	-0.807	-0.037	-0.483	0.466	0.475	-0.894	-0.223	-1.687	-0.641	-0.398	-1.76
0.11	-0.225	0.203	-0.137	0.064	-0.139	-0.233	-0.519	-0.491	-0.538	-0.088	0.298	0.692	0.293	0.372	0.149	-0.153	0.062	-0.02	0.521	0.247	0.581	0.637	0.838	-0.427	0.282	0.26	-0.263	0.02	0.065
-0.2075	-0.1005	-0.3385	0.1605	-0.2285	0.1305	-0.2515	-0.7975	-0.6475	-1.1835	-0.0245	-0.1495	-0.6395	-0.3095	-0.2835	-0.5965	-0.2735	-0.0435	-0.3035	-1.4585	-0.3145	-0.3305	-0.6795	0.4235	-0.1055	-0.3345	-0.2275	-0.1935	-0.1965	0.1335

Table 18.

9819-0103 LUMINAL	BR02-7054 LUMINAL	UB69 LUMINAL	UB21 . LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-7048 LUMINAL	BR02-7058 LUMINAL	BR03-7268 LUMINAL	BR95-0184 LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-MI LUMINAL	BR95-0151 LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-0167 LUMINAL	UB78 LUMINAL
0.1295	0.1555	0.2665	0.2225	-0.6565	0.3905	0.2015	-0.8845	-0.9275	-0.5125	0.1855	-0.1215	-0.6715	-0.9255	0.0035	-1.3755	0.3755	1.3055	0.8565	-0.0795	0.6175	-0.8785	-0.5095	0.7255	-0.4475	-0.9355	-3.1205	-0.3485	-0.8255	0.8095
0.2175	1.2625	0.9375	-0.7115	-0.8895	-0.6365	1.1285	1.5335	1.4535	1.4525	0.3055	1.2385	1.0665	-0.0205	0.3095	0.2155	0.6725	0.5195	-0.5815	1.7015	0.9075	0.2215	-0.4505	1.5205	0.8535	1.0835	0.8475	1.4805	1.2705	0.2775
-1.124	-1.302	-1.716	-1.643	-0.995	-0.415	0.038	-0.842	-0.731	-0.428	-0.011	-0.806	-0.195	0.011	-0.019	0.478	-1.528	-0.371	0.521	-0.734	-0.461	1.263	-1.582	1.89	0.124	0.412	-1.411	-0.075	1.247	0.13
0.5715	0.2855	0.2325	-0.2965	-0.3845	-0.4475	0.4805	0.7405	0.7475	-0.2195	0.7845	0.2155	0.4195	1.0415	0.3285	-2.8625	1.2885	-0.5105	0.4645	0.2135	-0.1015	0.2675	-0.3005	1.5175	1.0035	0.5515	-2.4165	0.0045	0.7365	1.2935
0.1965	-0.1845	0.0935	0.4065	0.3485	0.6485	-0.1735	0.0185	0.0265	-0.1495	0.1175	-1.1395	-0.3845	1.1365	-0.0305	-0.7785	-0.0775	0.3635	-0.9085	0.0575	-0.3565	-0.1435	0.5455	-0.8635	0.5895	-0.0675	-1.1675	0.7305	0.0615	0.8275
0.0875	0.7845	-0.7625	-0.3325	-0.4225	-0.7395	-1.4835	-0.2365	-0.2055	-0.7035	-0.7135	0.5155	0.0945	-0.3825	0.2245	0.3885	0.5545	1.0295	0.8935	1.2205	0.3895	0.8305	-0.2225	-0.0955	0.4205	0.1075	0.8665	-0.3195	0.1165	0.8295
-0.549	0.345	-1.112	0.677	-0.084	0.211	-0.37	0.761	0.836	0.242	0.347	0.084	-0.321	-0.255	-0.957	0.43	-0.544	0.185	0.251	1.161	-0.539	-0.261	-0.835	-1.14	0.393	0.264	-1.134	-1.208	-0.592	0.303
-0.908	0.71	-0.993	-0.704	-1.594	-0.287	-1.088	-0.262	-0.21	-0.674	-0.426	-0.68	-0.899	0.413	-0.625	-0.763	-0.425	-0.507	0.738	-1.022	0.343	1.019	-1.537	0.095	-0.239	-1.211	0.188	-1.21	0.717	-0.927
1.7625	0.0835	0.7795	1.5515	1.0865	0.6305	-0.8525	-0.0485	0.0695	0.5365	0.3595	-1.5195	-1.0285	-1.5485	-1.6815	-1.0565	-0.7325	-0.6005	-0.3535	-1.8695	-1.0775	1.0075	-0.1785	-1.1975	-0.9205	0.2455	-1.1395	-0.7295	-0.5045	-0.6195
-1.47	0.008	-0.467	-1.63	-1.351	0.588	-0.622	-0.046	0.053	-1.408	-0.748	-2.458	-1.326	0.32	3.212	-1.05	4.437	-0.156	0.09	-1.554	-1.286	-0.155	1.561	2.161	-0.626	-0.705	-1.512	0.933	-0.683	-1.787
-0.003	-0.526	-0.408	-0.244	0.005	0.069	-0.074	0.225	-0.007	-0.444	-0.149	0.385	0.079	0.373	0.131	0.143	-0.513	-0.374	-0.63	0.145	0.009	0.11	-0.092	3.352	1.221	0.73	1.361	0.214	-0.057	0.104
0.8675	0.7535	0.0775	-0.2685	0.0265	-0.7635	0.9565	1.0575	1.1935	0.8805	-1.2475	-1.3935	2.3115	0.4305	-0.9305	-0.9505	-1.0675	-0.2855	-1.0485	-0.4365	-1.0125	-0.2485	1.2115	1.6295	-1.0575	1.5345	3.5255	1.5595	-1.3235	1.8485
-0.3845	0.2955	-0.1955	-1.0565	-0.7605	-0.1755	-0.3675	0.6395	0.4725	-0.5945	0.3295	0.0955	-0.5855	0.1315	0.2285	0.7295	-0.2745	-0.1375	-0.7895	-1.1745	-0.3855	0.7735	0.0345	2.9005	3.1225	-0.6925	1.4485	-0.5105	0.0985	-0.2435
-0.426	-0.552	-0.257	0.246	0.11	0.184	0.057	0.037	0.142	-0.104	-0.302	-0.981	-0.407	0.391	0.358	0.508	-0.025	-0.001	0.137	-0.789	-0.291	-0.014	0.191	-0.223	0.417	0.38	0.42	0.102	-0.067	0.013
0.203	0.142	0.111	-0.225	-0.41	-0.119	-0.488	-0.12	-0.405	-0.679	0.081	0.506	-0.299	-0.329	-0.065	0.082	-0.308	0.026	0.438	-0.16	-0.165	-0.164	-0.238	0.01	-0.001	0.005	-0.232	0.012	-0.009	-0.078
0.786	0.091	0.021	-0.017	-0.289	-0.202	0.685	0.929	0.855	-0.099	1.068	0.215	0.275	-0.02	0.253	-0.483	0.148	-0.068	-0.932	-0.426	-0.209	-0.761	-0.639	-0.859	0.078	-0.833	0.203	-0.571	-0.612	0.011
1.4215	2.9525	2.9235	1.0055	0.9125	-1.1205	0.6285	1.6015	1.6875	0.9305	-1.8665	2.2625	2.3135	-0.3775	2.2405	-0.2595	2.3475	1.8115	-0.8255	0.0205	0.2475	0.8805	-1.7205	-1.1405	3.2075	-2.0305	1.7935	0.0085	-0.1005	1.3215
-0.778	0.849	-1.728	-0.228	-0.779	-0.718	-1.359	-1.227	-1.224	-0.652	-1.775	-1.121	-1.062	-2.135	-2.448	-1.056	-1.664	-1.285	-1.314	-3.763	-2.291	-1.635	-0.752	2.217	-2.032	-1.689	-1.808	-1.485	-2.132	-1.055
-1.3265	-2.5365	0.1675	0.0825	0.4205	-0.2755	-2.0945	1.2895	1.1605	-0.4185	0.3215	0.1695	0.8565	1.3705	0.1125	0.1485	0.6915	0.1875	-2.6115	0.3115	-2.0045	-0.3605	-0.2445	0.6955	0.6085	-1.1625	-0.3485	-0.2425	-2.4815	0.9245
-0.024	1.234	0.98	0.468	0.714	1.14	-0.124	-0.399	-0.099	-0.808	-1.002	-0.793	0.626	0.252	0.422	-0.117	0.769	0.483	-1.803	2.279	2.054	-0.074	0.434	-1.04	0.555	0.898	-0.564	0.63	-1.135	-0.125
0.7615	0.3155	-0.2755	0.2485	0.6155	0.3675	0.0575	-0.1205	-0.1275	0.4805	0.4455	-0.8535	0.1675	-0.8065	-0.7835	-0.3605	-0.5385	-0.3925	0.4255	0.8405	-0.0265	0.3915	-0.5095	0.7655	-0.2355	0.4645	-0.5605	0.0725	-0.1585	0.6355
0.2765	0.1145	0.7755	-0.1085	0.1755	-0.1325	0.2565	0.3345	0.3375	-0.0275	0.5925	0.4655	1.0885	-0.0465	0.5495	-0.4695	0.3625	0.4265	-0.7645	0.5245	0.9525	1.2765	-1.1505	-0.2115	0.7055	0.2435	-0.5005	0.8175	1.2085	-0.2365
-0.19	0.191	-0.773	-0.188	0.239	-0.057	-0.005	-0.108	-0.048	0.217	0.718	-0.64	0.337	-0.842	0.424	-0.008	-0.651	-0.514	0.012	0.61	0.178	0.01	-0.54	0.344	0.109	-0.242	-0.227	0.776	0.714	-0.265
0.2845	0.9595	-0.1835	0.2275	0.1025	-0.0275	0.1535	0.2665	0.1475	-0.4015	-0.1305	-0.4645	0.2425	0.9065	1.2745	-0.1595	-0.0735	0.4305	0.1295	-0.0595	0.5065	0.9065	0.6715	0.1835	-0.4095	-0.1045	0.3625	-0.2255	0.1545	0.2145
0.057	-0.006	-0.018	-0.229	-0.831	-0.128	-0.137	-0.021	-0.011	-0.381	-0.039	0.258	0.019	0.186	0.457	1.275	0.097	0.004	0.395	0.364	-0.348	-0.403	-0.032	0.288	-0.189	0.279	0.018	0.264	0.052	0.019
-0.251	-0.771	-0.691	0.703	0.32	0.821	-0.597	-1.288	-1.207	0.151	-0.387	0.47	-0.114	-0.734	0.331	1.051	0.631	0.265	-1.368	1.616	-0.881	-0.048	0.114	-0.304	-0.65	0.14	0.429	-1.485	-0.035	-0.407
0.24	-0.282	0.265	-0.472	-0.284	-0.179	-0.006	0.045	0.145	0	-0.489	-0.75	-0.26	-0.429	0	0.308	0.624	0.557	2.005	0.52	0.098	0.17	0.48	0.158	-0.051	0.315	0.638	0.573	-0.151	0.623
-0.4335	-0.8025	-0.1445	-0.2745	0.4465	-0.1215	0.1505	0.3715	0.4235	-0.2465	0.1525	0.4625	-0.3845	1.4775	0.7575	0.9825	-0.0065	0.4515	0.4245	-0.1755	-0.0965	0.6105	0.7415	0.2295	0.5415	0.4115	-0.7385	-0.0435	0.8505	0.1445
-0.1235	-0.1595	-0.3655	-0.6285	-0.7335	-0.7285	-0.9365	0.6345	0.6005	0.0185	-0.0955	0.0345	-0.3785	-0.2775	-0.0195	0.3725	1.0985	0.7215	2.0335	1.5805	0.8105	0.5055	-0.1015	0.4885	0.6705	0.5045	0.8975	0.3575	0.0155	0.8285
0.4925	-0.4345	0.4885	-0.9545	-0.6265	-0.5225	2.0125	1.7235	1.9735	1.3145	0.4685	-0.4065	-0.6895	-0.0515	0.9765	1.0005	-0.4085	-0.2505	1.2095	2.7285	-1.0565	0.3385	-0.0885	0.8795	-0.0265	1.0355	1.1655	1.2815	1.1655	1.0255
0.8875	0.1995	-0.2535	-0.6375	-0.3785	-0.3235	-0.0525	1.0735	1.2265	0.0875	0.7265	-0.9695	-0.3165	-0.2305	0.4035	0.8075	0.1175	-0.4385	0.5365	0.5945	-0.5585	-0.4465	0.2855	0.3785	-0.2535	0.3865	1.1965	0.3515	-0.1535	-0.0115
0.1515	-0.2565	0.1095	-0.0755	0.0165	0.1305	-0.4635	0.8865	0.7965	-0.0375	-0.2875	-0.1785	-0.4135	0.1475	-0.7025	0.6615	-0.5175	0.2605	-0.5645	-0.0345	-0.7605	-0.6405	0.7855	0.2825	-0.3765	-0.1415	0.4515	0.5845	0.0455	-0.1175
0.249	-0.132	-0.477	-0.357	0.306	-0.433	0.647	0.562	0.655	0.068	0.584	1.731	1.142	1.302	1.282	0.888	0.562	0.083	0.528	0.378	1.641	1.083	0.77	0.406	0.153	0.011	0.514	0.977	1.139	0.825
-0.3375	-3.3965	-0.2455	0.7545	0.6855	0.0745	0.2555	-0.7125	-1.0545	-0.9595	-0.0725	-0.9445	-0.4085	-0.3105	-0.1155	-0.2975	-0.3905	0.0895	-1.2965	-1.1915	-0.1745	-0.0935	0.6065	0.0145	0.1065	1.7875	-0.0955	0.1465	0.0335	-0.2545
0.539	0.218	0.367	-0.407	-0.12	0.039	0.841	-0.219	-0.073	0.638	-0.675	-0.32	0.02	-0.822	-0.628	1.331	0.879	-0.323	0.945	0.631	0.048	0.439	0.471	1.224	-0.831	-0.307	0.925	0.237	0.487	0.819
-1.2585	-2.7355	-1.0105	-1.3125	-0.8165	-0.2755	-2.6285	-0.4085	-0.2435	-0.7495	-0.2665	-0.3085	-0.0655	-0.0005	0.9055	0.5465	0.0785	1.6115	1.0415	0.8435	1.1435	0.6055	-0.1215	1.3145	1.3095	0.3845	0.8845	-0.0855	0.6985	1.2975
-0.41	-1.187	-0.646	-0.394	-0.385	-0.145	-0.649	1.66	1.492	0.937	0.674	0.538	-0.162	-1	-0.974	0.487	-0.624	-0.598	0.237	0.602	-0.093	0.211	-0.442	-0.911	-0.427	0.374	2.38	0.55	-0.463	0.618
-0.5465	0.2755	-0.4095	0.0475	0.1265	0.2515	-0.9895	-0.5495	-0.6495	-0.2975	-0.1485	-0.3315	0.1245	-1.1125	-0.6425	-0.4635	0.0425	-0.4105	0.1635	-0.3595	0.0435	-0.4555	-0.2275	-0.3675	-0.3445	-0.4245	-0.5775	-0.3795	-0.2445	-0.0035
-1.006	0.953	0.048	0.706	0.232	1.793	0.987	0.344	0.14	0.532	-0.641	0.442	3.969	2.741	0.366	2.369	-0.39	0.542	-0.045	0.212	0.215	-0.169	-0.496	-0.209	0.414	-0.779	2.219	0.364	0.238	0.455
-0.309	0.494	0.423	0.422	0.505	0.019	3.818	0.382	0.492	1.305	-0.071	0.656	0.401	0.664	0.524	2.974	0.646	0.716	0.998	2.92	1.257	-0.083	0.943	0.353	-0.391	0.364	2.405	-0.222	3.04	1.115
-0.1175	-0.0585	-0.0365	-0.2745	-0.3365	-0.1915	0.2125	-0.2315	-0.4275	-0.4275	-0.0065	0.8225	0.5185	0.6205	0.3625	0.0985	-0.3695	-0.0385	-0.3505	0.2085	0.0305	0.3575	-0.1015	0.9605	0.0905	0.1295	0.9285	0.4635	0.3565	-0.0855
0.202	0.235	0.686	1.001	-0.077	0.655	0.177	1.216	1.046	-0.902	-0.761	0.825	0.265	0.733	0.584	0.08	-3.203	-0.109	-1.086	0.507	0.408	0.607	-0.401	-0.23	-0.804	-1.27	-0.63	-1.659	-0.922	-0.917
1.762	1.258	1.06	1.008	0.672	0.794	0.758	1.409	1.329	0.492	0.181	-0.384	0.293	0.475	1.014	0.731	1.44	1.372	0.931	1.379	0.875	0.28	1.335	-0.228	-0.292	-0.601	0.529	-0.761	-0.792	0.505
0.2125	-0.6265	1.4195	-0.9145	-0.9815	-0.7895	3.7245	1.1425	1.2045	1.2115	0.5545	-0.1575	-0.3825	0.9675	1.6255	1.1195	-0.2595	-0.0805	0.9245	1.7485	-0.9475	0.4915	0.0955	0.6515	-0.0815	1.8595	1.9135	1.8225	1.6705	0.1455
0.2905	-0.5465	0.7655	-0.8455	-1.1015	-0.8725	2.4295	1.6615	1.7755	1.2705	0.1225	-0.4645	-0.6075	0.7475	1.2475	0.9525	-0.3475	-0.6155	0.3565	1.9305	-1.1105	0.5735	0.5775	0.7005	-0.0595	1.2445	1.6995	1.2895	1.4975	1.1545
0.253	-0.581	0.424	-0.795	-1.055	-0.759	2.448	1.751	1.755	1.144	0.042	-0.306	-0.743	0.65	1.222	0.95	-0.372	-0.694	0.354	2.091	-1.369	0.587	0.553	0.581	0.005	1.037	1.664	1.057	1.408	1.221
0.1255	-0.6055	0.6105	-0.9505	-1.1795	-1.0595	2.2085	1.7015	1.6285	1.1205	0.1115	-1.2105	-0.8295	0.3975	1.4325	0.8245	-0.3955	-0.5915	0.2115	2.0045	-1.2225	0.8735	0.5415	0.3805	0.0665	0.8395	1.5205	1.2315	1.7935	0.9075
0.168	-0.354	0.675	-0.698	-1.138	-0.875	2.359	1.837	1.706	1.18	0.181	-0.367	-0.628	0.633	1.456	0.916	-0.279	-0.439	0.329	1.98	-0.921	0.701	0.66	0.678	0.053	1.188	1.666	1.434	1.506	1.023
0.4605	0.1305	-0.3955	-0.3585	-0.3665	-0.2305	-0.0225	1.1745	1.0535	-0.0335	0.7715	-0.5995	-0.1475	0.0415	0.4025	0.6285	-0.0405	-0.3935	0.3985	0.4715	-0.2385	-0.8555	-0.1545	0.2405	0.0725	0.6235	1.2935	0.5655	-0.2665	0.0845
0.2885	-0.2925	-0.1365	-0.3095	-0.1025	-0.2425	0.1605	-0.1065	-0.0615	0.2065	0.0115	-0.1295	-0.3265	-0.1515	0.4175	0.3685	-0.0915	-0.3315	-0.0015	-0.4965	-0.0215	0.3355	0.7895	0.8975	-0.1735	0.2905	-0.5625	-0.0105	0.8985	-0.1325
-0.6135	0.4915	-1.0575	-0.6145	-0.5595	-0.5685	-0.5935	-0.4745	-0.2785	-0.8165	-0.6735	1.5485	-0.9575	-0.6905	-0.7365	1.7925	0.1325	-0.3945	1.4765	-1.1925	1.3405	0.3195	0.8045	0.6195	0.2725	-0.1745	0.4485	-0.0135	-0.7245	1.1415
0.2895	-1.5895	-0.8525	-0.7605	-0.8135	-0.5935	-1.0985	-0.2765	-0.1445	-0.5845	-0.0005	-0.5875	-1.8145	-0.1105	0.3755	0.8525	-0.0265	-0.1245	0.7205	-1.3105	-0.2345	0.3135	0.4105	1.1945	1.6075	0.4635	0.0745	0.3295	0.8385	-0.2205
-0.4395	-0.5155	-0.0275	-0.0925	0.0245	0.2065	-0.2895	-0.2425	-0.2425	-0.2875	-0.2885	-0.1385	0.3615	-0.8825	-1.0555	0.2575	0.0055	0.2695	0.2385	0.1785	-0.7285	-0.0895	-0.1745	-0.0035	-0.3405	-0.0795	0.5595	-0.2095	-0.1155	0.0105
-0.216	-0.141	-0.216	-0.394	0.061	-0.168	-0.562	0.141	0.138	0.269	0.022	-0.171	-0.089	-0.256	-0.533	0.02	0.09	0.3	0.871	0.609	-0.541	-0.187	0.055	0.093	-0.208	0.02	-0.105	0.602	-0.134	-0.454
1.6815	0.3955	0.1735	0.6365	0.3175	0.4555	-0.2245	0.3795	0.1015	-0.4805	-0.4065	1.6035	-0.5655	0.6235	0.8225	-1.3865	-0.2695	0.2605	-0.6585	-0.9945	-0.3695	0.7505	-0.2115	-0.0685	-0.6035	0.2035	-0.8705	-0.2165	-0.2935	0.1815
3.28	0.829	0.301	0.666	0.739	0.682	0.342	-0.333	-0.41	0.009	-0.875	0.474	-0.624	1.453	0.079	-1.612	-0.404	0.574	-0.99	-1.049	-0.432	-0.51	-0.088	1.878	-1.525	-0.514	-0.676	-0.302	-0.871	0.536
0.3185	-0.9065	-1.1755	1.3735	-1.0055	0.9955	0.5065	-0.8385	-0.5815	0.1035	-1.2075	2.7315	-2.3905	0.4535	2.2635	-2.1655	1.6135	2.5335	1.0255	-3.8955	-0.0085	2.6115	1.6815	-0.6935	1.8635	1.7105	-1.8265	1.1965	0.6205	-1.6585
0.7455	0.2935	0.4675	2.1415	0.1595	0.1695	-0.0215	0.9295	0.8905	1.0695	0.2065	4.6545	-1.5725	-0.7375	3.7545	-1.2795	0.4275	-0.2105	-0.8895	-1.7235	-0.1665	1.6375	0.9475	0.8665	2.8145	3.4085	-1.2575	-0.8725	0.0965	-0.0215
1.0105	-0.0275	-1.2215	0.4195	-0.1665	-0.4945	-0.1665	0.8345	0.8595	0.1005	-1.0395	1.2985	-1.3885	0.3275	0.8025	-1.5965	-0.6245	0.0485	-0.9615	-2.5545	-1.1115	0.6375	-0.1075	1.9855	3.2905	1.1185	-1.2075	-1.4075	-1.4045	1.2655
-1.9975	-1.0505	-1.2855	0.2235	1.5125	0.6335	-0.0685	1.0315	0.6015	-0.6245	-1.2435	0.8805	1.1075	2.0455	0.0415	1.5295	-1.1445	-1.4355	0.6565	0.5205	-1.5115	1.2925	0.5145	2.7055	-0.5195	1.7175	-1.1475	-1.0355	-0.7095	1.1675
0.3525	-0.0575	-1.2885	-0.5925	1.9935	-0.0155	-0.4555	0.5085	0.4915	0.4415	-0.5875	-0.5325	1.2075	1.2915	-0.2005	1.0595	-0.2855	-0.6695	2.4435	0.2515	-0.5455	-0.8035	1.2045	1.6125	0.4595	0.4345	0.1495	-0.9415	-0.2755	0.2215
0.932	0.02	-0.054	0.274	0.994	0.247	1.178	0.443	0.45	0.567	0.498	-0.61	0.207	0.069	0.245	1.859	0.173	0.03	-0.873	0.107	-2.34	1.021	0.109	1.454	-0.252	0.257	0.718	-0.123	0.467	-0.036
-0.2755	0.2045	-1.5185	0.6825	0.0745	0.3135	-0.2995	0.5265	0.4185	0.4325	0.0185	-1.0445	-0.6945	-0.9305	-1.8065	0.5235	-0.1785	0.0905	0.3245	1.0265	-0.5625	-0.1305	-0.9735	-0.8605	0.2565	-0.4865	-1.2995	-1.3895	-0.5395	0.3205
-0.146	0.554	0.577	0.502	0.635	0.28	-0.147	-0.297	-0.222	0.507	-0.216	-0.966	-0.01	-0.5	-0.304	0.381	-0.085	0.34	-0.033	1.156	0.428	-0.251	0.023	-0.483	-0.636	-0.701	-0.195	0.423	0.432	-0.264
0.5895	0.0285	0.1185	-0.2015	-0.3015	0.1385	0.6185	0.4885	0.4285	0.1885	-0.1715	-0.1515	0.4775	0.4865	0.1405	0.9825	0.0335	0.2705	0.8585	0.7985	0.0915	0.4885	0.2475	0.5985	0.1785	0.2575	0.7185	0.2625	-0.4315	0.8885
-0.564	-0.87	-0.167	-0.431	-0.22	-0.121	0.727	1.145	1.063	0.348	0.936	-1.879	-1.701	-0.894	-0.477	-2.788	-0.231	0.065	-0.882	0.132	-1.65	2.951	-0.451	-1.015	0.293	-0.346	-2.276	-1.433	-0.76	-0.879
-0.2635	0.1005	-0.7685	0.0645	-0.3185	0.0865	-0.0365	-0.0245	0.0975	0.3765	-0.0015	-1.1095	0.0995	-0.6555	-0.4885	0.1485	0.0545	-0.0575	-0.0875	0.3525	-1.2695	-0.1425	-0.0005	-0.2875	0.8665	0.0405	-0.1815	0.2105	-0.1775	0.0485
-0.2455	0.7995	-0.1135	-0.5755	-0.3625	0.4875	1.0065	1.3765	1.3895	1.1165	-0.1655	0.6375	0.2985	1.6645	1.1215	1.2775	-0.0445	0.4345	1.4685	0.8325	0.1425	0.0885	-0.8375	0.1845	-0.9035	-0.0845	-0.4645	-0.8485	-0.6915	-0.2565
-1.238	-0.948	-1.176	-0.025	-0.747	0.368	-0.44	-2.489	-2.446	-0.369	-0.518	-1.246	-1.514	-1.428	-0.459	-1.311	-0.307	-1.055	-0.965	-1.981	-0.429	-0.554	-1.896	-0.42	-0.226	-1.341	-2.359	-0.535	-0.218	0.234
0.032	0.19	-0.12	-0.201	0.091	0.495	-0.434	0.14	0.132	-0.184	0.221	0.355	0.668	0.839	1.245	1.657	-0.431	0.724	-0.378	0.65	0.278	0.421	-0.359	0.732	-0.091	0.132	-0.734	0.19	-0.023	0.683
-0.6355	-0.1185	-0.1915	-0.2745	-0.5225	-0.0945	-0.0955	-0.1765	-0.1665	0.2605	-0.2415	-0.6935	-0.2155	0.5685	0.4285	1.1415	0.4195	0.2845	0.9485	0.5795	0.1475	-0.4695	-0.4425	1.0515	0.1845	0.2075	-0.0005	0.1225	-0.3615	0.7375
0.9485	1.1775	0.7095	0.7905	0.9355	0.3925	-0.0345	-0.8555	-0.9635	-0.9505	-0.3955	-1.5525	1.4975	-0.2145	-0.2025	1.7275	0.6835	0.8295	0.4355	1.6005	0.6455	-0.3675	-0.5465	1.8945	0.8695	0.5025	-0.2535	-0.2765	-0.7175	0.6905
0.774	-0.833	0.347	-1.172	-0.636	-0.44	-0.989	0.657	0.65	0.258	-0.226	-0.549	-1.07	-0.685	1.27	0.83	-0.093	-0.282	-0.763	-0.478	-0.905	0.234	0.158	0.988	1.878	-0.511	-0.989	0.669	0.846	1.016
0.4885	0.1595	-0.3215	0.1905	0.1745	0.0405	0.7585	-0.2465	-0.2135	-0.0815	-0.2375	0.1165	0.4505	-0.1375	-0.3335	0.4665	0.1675	0.4145	0.7155	0.4385	0.1635	0.4335	-0.1535	-0.5135	-0.0885	0.1455	0.3745	0.1005	0.1545	-0.0425
0.671	-0.211	0.001	0.091	0.079	-0.298	-1.713	0.135	0.18	-0.186	-0.147	-1.316	-0.871	-1.018	-0.747	-0.595	-0.358	-0.138	0.428	-0.064	-0.561	-0.03	0.587	-0.517	-0.375	-0.888	0.013	-0.021	-0.962	0.078

WO 2007/061876 PCT/US2006/044737

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB58 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018(LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-M LUMINAL	BR95-015(LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-018 LUMINAL	UB78 LUMINAL
0.639	0.158	-0.087	-0.037	-0.024	-0.487	-0.85	-0.358	-0.343	-0.183	-0.444	-0.924	-0.772	-0.472	-0.647	-0.492	-0.152	-0.301	0.094	-0.561	-0.512	-0.498	0.2	-0.656	-0.375	0.298	-0.113	-0.718	-0.596	0.749
-1.394	-1.515	-0.251	-0.845	-1.215	-0.41	-2.391	-0.954	-0.559	-0.422	-1.158	-0.796	-0.588	-0.063	0.032	0.849	0.072	0.897	2.344	1.371	0.147	0.621	0.55	0.908	0.828	0.438	1.309	0.496	0.386	1.174
0.0245	-0.4805	-0.0275	-0.7135	-0.4155	0.0225	0.1575	0.7995	0.6955	0.2005	-0.5965	0.3575	-0.8065	0.0235	0.7065	0.5635	-0.2225	0.5345	1.3265	0.2875	-0.6965	-0.6365	1.1255	0.8685	-0.4705	0.4115	0.5905	0.6075	-0.1175	-0.1205
-0.0945	0.4795	-0.0485	-0.1135	-0.3615	-0.3435	-0.0325	1.1605	1.1235	0.4165	0.4155	-0.4795	-0.2335	-0.1895	-0.0775	0.3125	0.3135	-0.1985	-0.1955	0.8745	1.0855	0.9975	-0.6655	0.7655	-0.0815	-1.1115	0.1435	0.2545	0.4175	0.2185
0.165	0.185	0.067	-0.083	0.137	0.367	-0.638	0.27	0.383	-0.223	-0.331	-0.573	-1.355	-0.746	0.203	0.64	0.223	0.607	1.913	1.091	1.484	3.298	1.056	0.196	-0.884	-0.907	-0.798	-0.313	0.518	-0.067
-0.408	0.05	-1.18	-0.483	-1.094	0.004	1.4	1.162	1.113	0.351	1.198	0.029	-0.647	0.037	-1.132	0.52	-0.588	0.117	-0.816	0.958	-1.402	-0.294	0.706	-0.675	0.675	1.148	0.849	0.737	0.643	0.2
0.606	-0.219	-0.063	0.124	-0.096	0.208	-0.692	-0.483	-0.468	-0.223	0.032	-1.009	-1.147	-0.424	0.394	0.198	0.051	0.054	0.08	-0.322	-0.417	0.49	-0.162	-0.23	-0.653	-0.026	-0.091	0.31	0.195	-0.24
0.207	0.3	0.076	-0.57	-0.148	-0.259	0.016	0.462	0.455	-0.169	0.696	-0.276	0.063	0.489	0.904	0.957	0.076	-0.272	0.752	0.192	0.273	0.54	0.424	1.359	0.221	0.58	0.15	0.237	1.017	0.304
-0.743	-0.043	0.103	-0.733	-1.089	0.043	-1.157	-1.009	-1.094	-1.708	-1.299	-0.373	1.744	-0.635	-0.055	-1.799	1.549	-0.372	-2.278	-2.774	-1.649	-0.428	-1.336	-1.131	-1.805	-1.38	0.527	-0.485	-1.732	0.583
-0.598	-0.612	-0.174	-0.293	-0.78	-0.53	-0.382	-0.018	0.061	-0.293	0.057	-0.534	-0.701	-1.099	-0.069	1.338	0.106	-0.371	0.976	-1.125	-0.548	-0.626	-1.168	0.105	0.554	1.154	0.099	-0.414	0.696	-1.257
1.0375	0.0505	0.0595	0.6785	0.5795	0.5485	0.2685	1.0085	1.0505	0.5215	1.4335	-0.2015	0.2415	0.4725	-0.2895	0.3365	0.4465	0.1625	-0.0495	-0.2865	0.4075	-0.5835	0.5505	-0.1735	-0.4415	0.0895	0.3555	0.4105	1.4675	-0.4965
0.043	-0.396	-0.906	-0.293	-0.007	-0.255	-0.546	0.079	0.191	0.096	-0.462	0.725	-0.743	-1.494	-0.509	0.675	-0.604	-0.264	-0.577	-0.26	-0.332	-0.104	1.718	0.251	0.474	0.82	0.626	0.44	0.115	-0.258
-0.5935	-0.8175	-0.5445	-0.4015	-0.2905	0.3305	0.8015	2.0055	1.7775	0.5765	2.0155	-0.5045	-0.4195	-1.1945	0.0455	1.1095	-0.8065	-0.0015	-0.9115	1.9555	-1.7365	-0.7945	-0.0365	0.6315	-0.2745	0.7375	1.3725	0.0055	-0.5375	-0.5345
-0.2095	-0.8205	0.0215	0.1975	-0.3435	0.3415	0.1305	1.6565	1.7325	0.5945	0.8555	-0.1775	-0.1105	-0.6545	0.4825	0.9455	-0.0475	0.1525	-0.0185	2.1105	-0.0055	0.3085	-0.1035	0.6205	-0.2705	0.4095	1.0845	0.7555	-0.5045	0.4875
-1.4085	-0.7365	-0.7105	0.2155	1.6375	0.4585	1.6965	0.9445	0.7235	0.6335	1.3035	-0.0095	0.1945	-1.3175	-1.1625	1.7815	-0.8545	1.0145	-0.3505	1.9535	0.1245	-0.1835	-0.3625	-0.6585	-0.9715	-0.2755	1.4295	0.1295	-0.6335	-0.1875
0.4375	-0.2375	0.3885	-0.1005	-0.1385	0.0095	0.3575	0.5785	0.6795	0.5415	-0.3435	0.5085	0.0885	0.1245	-0.1485	-0.3945	0.6595	0.0015	-0.0945	-0.0215	0.5445	0.0745	0.2305	0.3355	0.3975	0.6145	0.6225	0.6065	-0.3115	0.4025
0.6205	-0.3415	0.8245	-0.3975	0.0115	-0.6585	-2.3175	-0.4775	-0.4625	0.0575	-1.5395	0.6615	-0.3845	0.3165	2.1915	1.5335	1.7635	1.3545	0.2085	-1.1415	-0.1195	0.2565	0.2695	0.6965	-0.1465	-0.1495	1.3335	1.7885	2.4195	-0.3305
-0.1495	-0.1065	-0.2605	0.2635	-0.6385	-0.4065	0.0005	0.8625	0.6615	0.0035	-0.6915	2.3005	2.2655	-0.0525	-0.7435	1.4765	-0.6505	-0.3195	-0.7615	-0.5895	-0.8855	-0.9845	-0.4515	0.2375	-0.0265	0.7675	2.9665	0.3475	2.2795	0.9095
-0.8025	-0.0945	-0.3935	-0.4245	-0.3665	-0.3065	-0.1135	1.2695	1.5625	0.0005	-0.3165	1.8655	2.5025	0.3465	-0.4105	1.4655	-0.5005	-0.1855	-0.4845	-0.4065	-0.3695	-0.1055	-0.3765	-0.1335	0.0965	1.0415	3.2035	0.8985	1.8425	0.8895
-3.7635	0.6295	1.6445	0.7285	-1.1945	0.5915	-0.6765	-1.0285	-0.6485	-1.8565	-0.8875	0.9345	0.3085	-2.9765	-1.1475	0.1035	-3.1675	-0.2085	-2.2265	-4.3055	-3.3945	-1.9495	-2.2075	-0.8765	-1.1195	-0.6705	1.2565	0.6585	0.7935	2.5685
-1.868	-1.116	-0.58	-0.226	-1.414	-0.495	-1.12	1.311	1.449	-0.31	-0.98	3.063	1.68	-0.913	-1.362	2.57	-1.536	-0.823	-1.354	-1.139	-1.55	-1.471	-1.091	0.06	0.282	1.831	2.66	1.208	3.084	1.065
-1.872	-1.409	-0.963	-0.721	-1.723	-1.329	-1.635	0.582	0.622	-0.955	-1.096	0.844	1.946	-1.085	-2.59	1.521	-2.415	-1.454	-2.549	-2.824	-2.671	-1.503	-1.446	0.346	-0.017	0.952	2.289	0.374	1.633	0.365
-0.863	-0.537	-0.582	0.066	0.04	-0.326	-0.554	1.867	2.209	-0.257	-0.604	0.571	1.26	-0.189	-0.623	1.023	-0.83	-0.572	-0.609	-0.506	-0.649	-0.749	-0.333	0.405	0.305	0.791	2.993	0.232	1.238	0.448
-1.99	-0.903	-0.957	-0.033	-0.878	-0.791	-1.278	1.76	1.692	-0.882	-1.126	1.209	2.062	-0.743	-1.536	0.66	-1.886	-0.943	-2.687	-2.898	-2.02	-1.603	-0.336	0.2	-0.342	1.328	1.948	0.171	2.064	0.806
0.4285	0.2605	-0.0755	0.6855	0.2305	0.3895	-0.3065	0.1025	0.1435	0.7515	-0.2145	-0.6675	-0.6285	-1.1895	-0.9155	0.0045	0.8035	0.0895	0.8135	-0.0215	-0.2895	-0.1865	0.1135	0.1275	0.7695	0.2935	-0.6315	-0.3735	-0.7265	0.0745
-0.3765	0.2095	-0.3165	-0.0525	-0.2105	1.1135	-0.3025	0.3235	0.1065	-0.1415	-0.0585	-0.4065	1.2885	0.1205	0.9535	-0.3415	-0.0995	-0.2875	-0.1825	-0.1115	-0.1045	-0.4725	-0.2395	-0.3475	-0.3175	0.0025	-0.6995	0.1015	-0.3235	0.5285
-0.479	0.346	-0.345	-0.047	0.006	0.132	1.591	0.746	0.818	0.024	-0.181	0.08	0.887	-0.336	0.506	-0.014	-0.031	-0.061	-0.259	-0.888	-0.053	-0.008	-0.088	0.233	0.068	-0.29	0.434	0.506	0.573	-0.024
0.0435	2.1745	1.6255	1.7495	2.2145	1.4025	-0.6995	2.0335	2.0065	1.3985	0.0145	-0.0455	1.5245	3.5285	0.6045	1.8845	0.7865	1.6795	0.0375	0.3885	0.5285	0.9035	1.2625	-1.3755	-1.3215	-0.2345	1.6155	-0.1635	-0.8215	0.1535
-0.4655	-1.2155	0.2775	-0.3025	-0.0035	-0.1745	-0.3955	-0.8615	-0.9175	-0.3985	0.0725	-0.1375	1.3135	-0.1045	0.0865	-0.0245	0.0605	0.0565	0.4105	-0.1435	-0.5645	-0.2715	0.1005	-0.0345	0.1755	-0.1635	0.4165	0.0075	-0.0555	-0.1525
-1.2695	-0.3225	-0.7375	-0.2415	-0.6305	0.3955	-1.1065	-0.7125	-0.7215	-0.1915	-0.6025	0.2225	-0.3145	-1.1855	-1.1535	0.5185	-0.2825	1.1805	1.0705	-0.4365	0.3965	-0.7195	0.1985	-0.3215	-0.9055	-1.2235	-0.0065	-0.7255	-0.3775	0.4475
0.962	0.241	1.139	0.352	0.066	-0.377	-0.428	0.483	0.503	0.89	0.224	-0.6	0.16	-1.232	0.649	-0.043	1.692	0.607	1.015	0.919	0.624	0.092	-0.188	-0.092	0.168	0.205	1.291	1.236	-0.319	1.531
0.9695	-2.3065	0.4975	0.5265	-0.1235	-0.9805	0.4045	-0.9975	-1.0295	-0.7265	-0.5355	-0.7425	-0.9415	-0.6725	-1.2255	0.2775	-1.2605	-0.4205	-1.5155	-1.6675	-2.1175	-2.0555	-1.8325	0.0455	-0.3425	-0.8175	0.2155	-2.0585	-0.2445	0.5105
2.729	1.311	1.607	2.121	0.659	1.703	0.704	0.406	0.425	0.631	0.643	1.122	0.61	0.869	-0.61	0.002	0.799	0.664	-0.002	0.584	1.064	-1.049	-0.55	0.38	-0.567	-0.158	0.99	-0.465	-0.27	0.929
1.4145	-0.2145	-0.4825	-0.1495	0.7435	0.6485	0.1315	5.5585	5.6415	-0.1905	0.5795	-0.2225	3.2295	2.0305	3.2245	5.1665	0.0785	0.2175	6.0735	2.9975	-0.5645	1.4185	0.1665	-0.2695	0.1225	0.0515	-0.0535	-0.1535	-0.4375	0.1165
2.4175	-1.1305	-1.2025	0.6415	0.5145	1.4225	-0.4335	2.6135	2.5595	1.0715	-0.9705	-1.4345	-1.1705	-1.6755	-0.3755	-1.5635	-0.7155	0.2875	-1.2775	-2.2125	-0.5745	-0.3555	-0.6655	-1.7615	-1.3585	-1.0885	-1.9885	-0.9375	-2.1165	-0.5785
0.634	-0.821	0.395	0.663	0.505	0.181	0.099	0.104	0.213	0.29	0.793	0.444	0.664	-1.011	0.928	-0.316	-0.507	0.42	0.581	0.273	0.259	0.675	-0.206	-0.21	0.306	-0.247	-1.258	0.541	1.078	-0.288
-0.347	0.489	1.16	1.155	0.123	0.439	-1.772	0.169	0.285	1.275	-0.225	2.051	-0.893	-1.263	-2.328	0.809	1.43	0.928	-0.743	0.626	-0.003	0.488	0.63	-0.492	-0.389	0.324	1.142	0.108	-0.487	0.078
-0.855	-0.943	-0.054	0.342	0.022	0.042	-0.391	0.374	0.479	-0.596	-0.422	1.131	-0.067	-0.873	-0.694	-0.044	-0.8	-0.477	-0.851	-1.103	-0.545	-0.509	-0.588	-0.295	0.222	0.061	0.848	-0.055	1.348	0.5
-0.8525	-1.1805	-0.4565	0.1655	-1.0995	-0.2885	0.4815	1.1475	1.1675	-0.6005	-0.6405	0.9475	0.9435	-0.5135	-0.4695	1.4085	-1.0515	-0.4685	-1.0715	-1.1985	-0.8035	-0.3965	-0.6845	0.8215	-0.4155	-0.3975	2.0265	0.2115	2.0975	0.8585
-0.9395	-0.2405	-0.7085	-1.0805	0.0015	1.2195	1.5665	2.1085	2.0675	-2.8125	-1.0575	-1.9745	0.7575	-2.3255	-0.8005	-2.0345	-1.3115	-0.4075	-2.8065	-3.8615	-1.8565	-1.5595	-2.3855	4.2245	1.7515	-2.0075	-1.9805	-1.2685	-2.9915	2.2425
-0.091	-0.09	-0.822	-0.961	-0.341	0.175	-0.278	1.645	1.575	0.128	1.052	-0.081	0.91	-0.501	-0.169	-0.073	-0.822	-0.723	-1.207	0.87	0.228	-1.748	-0.841	0.925	-0.369	0.436	1.374	-0.204	0.177	-0.081
-0.5325	-1.1255	-0.6515	-0.3715	-0.0415	0.1445	0.2305	1.4315	1.3505	0.3965	1.2185	0.1275	0.3665	-0.4495	0.3735	1.4485	-0.4435	0.1565	-0.8185	1.2455	-0.1035	0.5825	0.0315	0.9575	-0.3905	0.6515	1.6015	0.2505	0.2445	0.0735
0.802	-0.536	-1.141	-0.431	-0.602	0.375	-0.316	-1.75	-1.774	-0.816	-0.268	0.036	1.32	-0.39	-0.538	-2.711	-0.289	0.191	-3.603	-1.616	-0.3	-0.999	-1.654	1.018	0.561	0.451	-0.343	-0.271	-2.114	0.763
-1.136	1.353	1.979	1.296	0.484	0.463	1.96	0.087	0.129	0.515	0.313	0.858	0.742	0.065	-0.176	0.581	1.17	1.219	-0.284	0.417	0.033	-0.416	1.131	0.532	0.318	0.488	0.44	0.622	0.863	-0.594
-0.084	-0.445	0.057	-0.084	-0.078	0.206	0.183	-0.058	-0.046	-0.449	-0.033	0.129	-0.81	0.94	-0.817	0.198	-0.131	0.173	-0.819	-0.711	0.045	0.867	0.422	0.138	-0.541	-0.279	0.031	-0.749	0.108	-0.429
0.241	-1.049	0.824	0.346	1.11	0.489	1.573	0.563	0.568	1.075	0.158	1.266	1.047	1.264	0.846	1.591	1.392	0.821	2.451	1.976	1.235	0.324	1.447	0.93	-1.062	-1.038	0.245	0.007	-1.63	1.338
0.264	-0.044	0.193	0.024	0.246	0.14	-0.789	-0.641	-0.61	-0.182	0.036	-1.029	0.104	-0.508	-0.607	-0.544	-0.084	-0.107	-0.336	0.001	-0.233	-0.476	-0.479	0.316	-0.602	-0.486	-0.171	0.121	-0.482	0.611
-0.477	0.009	-0.099	-0.128	-0.249	-0.012	-0.165	1.334	1.425	0.145	0.141	-1.219	-0.261	0.057	0.022	0.038	-0.552	-0.309	-0.193	-0.002	0.002	0.067	-0.271	0.307	-0.125	-0.511	-0.495	0.268	0.09	-0.373
2.1505	0.1675	-0.0135	1.3535	1.1835	-0.0045	-0.6785	-0.1075	-0.0385	-0.1735	0.0045	-0.7955	-0.1115	-0.9485	-0.0715	-0.0695	-0.6745	0.1295	0.2585	-0.0705	1.5305	0.6325	0.5785	0.6325	0.9295	0.6725	-0.2705	0.4705	-0.2015	0.3975
-0.02	-0.169	-0.325	-0.108	0.051	-0.089	0.114	-0.501	-0.389	-0.812	-0.102	1.255	0.639	0.433	0.137	-0.095	-0.663	-0.963	-0.687	-0.447	-0.051	0.088	-0.102	0.76	0.042	0.849	0.937	0.813	0.554	0.332
0.243	-0.318	-0.874	-0.211	-0.64	0.121	-0.908	-0.442	-0.472	-0.831	-1.073	-0.302	0.543	-0.969	-0.106	-1.156	-0.659	-0.377	-1.517	-0.87	-1.391	-0.906	-0.406	-0.928	-0.317	0.753	-0.412	-0.914	-0.875	0.048
0.487	-0.421	0.024	0.255	0.266	1.039	-0.61	0.297	0.209	1.251	-0.742	0.874	-0.348	-1.064	-1.77	-0.516	1.27	1.109	1.548	0.743	-0.271	-0.963	2.448	-1.053	-0.345	0.688	-1.99	-0.43	-1.026	-0.318
-0.0045	0.1595	0.2885	-0.2455	0.0025	0.0295	-0.6785	-0.1265	-0.1255	-0.6685	-0.9055	0.2105	-0.0335	0.2865	0.0745	-0.8835	-0.2125	0.3755	-0.5405	-0.7665	0.0615	0.5265	-1.3405	-0.4545	-1.2855	-0.4625	-0.3665	-0.5485	-1.5875	-0.3505
0.2245	-0.2695	0.8195	-0.0535	0.8715	0.7765	0.1475	0.0875	-0.0285	1.1455	-1.2055	0.3745	0.5155	-0.3745	0.9095	1.1435	0.8245	1.0075	1.1875	1.4085	0.9845	-0.3625	0.2735	0.0725	-0.7125	0.1045	0.6355	1.2235	-0.1635	0.3235
0.552	0.083	-0.058	0.385	-0.552	-0.207	-0.134	0.08	0.034	0.614	-0.63	-1.247	-1.333	-1.674	-0.363	0.014	0.579	-0.22	1.264	-1.108	-0.069	-0.856	0	0.438	-0.171	1.065	0.16	0.671	-1.373	-0.306
-0.25	-0.103	0.131	0.136	-0.216	0.665	0.008	-0.147	-0.116	-0.17	-0.332	-0.256	-0.439	-0.507	-0.942	-0.208	-0.141	0.101	-0.283	-0.052	-0.853	-0.755	-0.665	-0.557	-0.538	-0.748	-0.362	-0.273	-1.051	-0.335
-0.049	-2.006	-0.116	-1.172	-1.521	-0.25	-2.493	0.108	0.216	-0.808	-0.12	-0.285	-0.165	1.36	1.01	1.119	0.397	1.973	3.163	1.454	0.91	0.693	-0.263	0.115	1.218	0.222	0.759	0.283	1.357	0.924
-1.009	-0.183	0.03	0.584	0.648	-0.171	0.232	-0.422	-0.36	0.787	2.513	0.048	-0.365	0.228	-0.509	1.536	-0.293	-0.025	0.126	-0.445	1.898	-0.763	-0.022	0.216	-0.088	2.078	0.441	0.235	0.999	-1.143
-0.2745	-0.1345	-0.6345	-0.3695	-0.5405	-0.2455	0.9175	-0.5975	-0.5315	-0.2695	0.6655	-0.3835	-0.1495	0.2415	0.8485	0.5245	-0.2215	-0.4285	0.5735	-0.5325	0.6445	1.4405	0.7585	0.9695	1.0545	0.6245	0.0525	0.8535	0.5775	0.8535
-1.0495	-0.2675	-0.1805	0.0715	0.4415	0.4535	0.6325	0.3635	0.3655	0.1015	-0.6675	0.7165	0.7595	-0.2945	1.6105	2.1195	-0.7555	0.3115	0.3855	0.6745	0.1015	0.0355	0.0015	0.2035	0.0945	-0.2125	-0.0445	-0.2685	1.8845	0.0605
0.1275	-0.3485	-0.0755	-0.6735	-0.3595	-0.3095	0.3015	-0.1385	-0.1515	-0.4485	-0.1155	-0.7265	-0.2275	-0.9335	0.0035	-0.0145	0.4255	-0.2245	0.4155	-0.2315	-0.4485	-0.4485	0.6615	0.3755	1.0075	0.4485	0.0705	0.3655	-0.1475	0.1445
0.2945	-0.3675	-0.1415	-0.3675	-0.1725	-0.3805	-0.2435	-0.1835	-0.0655	0.7695	0.0305	0.5875	1.0455	-0.2575	0.6285	0.2805	0.4085	0.2535	0.8255	-0.1325	0.5835	0.3775	-0.0275	-0.1065	-0.2295	0.6945	0.4395	0.5335	-0.3305	-0.3365
-0.696	-0.316	-0.999	0.038	0.501	0.175	-0.734	0.265	0.107	1.273	-0.349	1.195	0.549	-0.267	-0.553	0.365	0.466	0.213	-0.146	-0.209	-0.364	-0.175	-0.48	-1.152	2.39	-0.643	0.495	-0.865	0.798	-0.458
-0.3735	-0.3495	0.3555	0.1995	0.2365	0.1855	-0.3115	-0.2485	-0.2625	-0.6065	0.0825	0.2355	-0.0365	0.0165	0.3135	-0.3705	-0.1855	0.2555	-0.7765	0.1505	-0.3635	0.0095	0.3035	-0.1625	0.0645	-0.2015	-0.7875	0.3905	0.1525	0.1305
0.015	0.795	0.887	-0.077	-0.113	-0.008	0.469	-0.117	-0.042	-0.704	0.244	0.954	0.902	1.427	0.232	-0.152	-0.258	0.481	-0.327	0.317	1.096	0.148	-0.296	0.118	-0.557	-0.589	0.813	0.308	1.224	0.774
-0.0545	-0.0585	-0.3405	0.1605	-0.3925	0.2645	-0.7045	0.1335	0.1585	-0.0025	0.0555	-0.2455	0.5615	-0.4355	-1.1705	-0.0405	-0.7555	-0.0335	-0.3015	0.6595	-0.3675	-0.2955	-0.2495	-0.0805	-0.4645	-0.1075	1.0935	-0.1625	-0.0785	0.5195
0.4255	1.0555	-0.4495	-1.1525	-0.9995	-1.2815	1.5755	-0.5985	-0.5635	0.8455	0.7075	0.4865	-0.2575	-0.4305	0.0135	-0.5475	-0.2005	-0.2105	-0.5675	0.2215	1.0915	1.6025	-1.2785	3.1765	1.1335	2.9235	0.8655	0.7515	1.6945	0.0355
0.5445	-0.0455	-0.7145	-0.5715	-0.5735	0.1865	-0.8425	-0.2885	-0.2915	-0.0725	-0.5295	-0.3075	-0.0205	-0.9145	-0.8055	-0.5135	-0.1735	0.0365	-0.0215	-0.6455	-0.5045	0.4495	1.0665	-1.1885	-1.5205	-0.9105	-0.3965	-0.5745	-1.9035	1.0105
0.038	0.501	0.484	0.156	-0.211	0.207	0.767	-0.556	-0.489	-0.255	-0.501	-0.406	-0.531	0.452	0.366	-0.002	-0.289	0.722	-0.623	-1.958	0.1	0.588	0.42	0.696	0.296	-0.869	-0.454	0.886	1.533	0.304
0.1555	-0.2755	0.0875	-0.0355	-0.0305	-0.8385	-0.5885	0.5545	0.4875	0.8115	-0.2645	0.7275	1.0675	-0.7185	1.0105	-0.2075	0.6495	-0.2795	-1.3535	0.1875	0.1705	-0.1995	-1.3395	1.0145	0.3095	0.3655	0.4345	1.3175	0.1845	0.3625
-0.6685	0.7785	-0.0105	-0.0655	0.0225	-0.1995	-0.9185	0.4025	0.3655	0.0825	-0.6365	0.6265	0.1055	-1.0385	0.3685	-0.3775	0.0315	-0.3135	0.2965	0.1175	0.0775	0.2185	0.5315	0.5155	-0.2495	0.8955	1.1575	-0.1635	-0.0495	-0.3615
0.058	1.122	0.489	-0.132	-0.312	-0.037	0.416	-1.098	-1.041	-0.538	-0.525	-0.174	1.825	0.781	-0.253	-0.828	-0.598	-0.604	-0.564	-0.151	0.075	1.48	-0.462	1.642	-0.305	-0.31	-0.104	-0.168	0.938	0.829
0.548	1.38	1.156	0.945	1.983	-0.035	-0.436	-0.115	-0.045	1.316	-1.131	1.411	0.871	-0.337	-0.257	-1.061	0.147	-0.506	-0.193	-0.102	-0.266	-0.986	0.9	0.897	0.014	-1.127	-0.682	-0.015	-1.989	-0.872
-0.7925	-0.4695	0.2355	-0.0635	0.1025	0.3785	-0.7215	-1.0675	-1.3265	-1.0665	-0.1475	0.2545	-0.2765	0.1045	0.0835	0.1185	-0.2795	0.9555	-0.4945	-0.1615	-0.1425	0.4515	-0.6135	-0.3955	0.2035	-0.8935	1.1795	0.4885	0.0015	0.5255

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018(LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-MI LUMINAL	BR95-015(LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016(LUMINAL	UB78 LUMINAL
0.2645	0.1805	0.0165	0.0965	-0.0095	-0.0015	0.0145	0.2485	0.2875	0.2645	-0.1375	-0.5795	-0.1915	0.2745	-0.1505	0.4345	0.1085	-0.2165	0.1615	0.3715	-0.1645	-0.7025	-0.5785	0.1445	-0.4815	-0.3885	0.1095	-0.5125	-0.5355	0.3845
-0.4035	0.2725	-0.5045	-0.1445	-0.1675	-0.5005	-0.0015	-0.4065	-0.4445	-0.4435	0.0185	0.2175	-0.0805	-0.0555	-0.0015	-0.3295	-0.0745	-0.3575	-0.3975	-0.2485	-0.2635	0.1715	-0.8215	0.0365	-0.0375	-0.0025	-0.0285	0.4515	0.2305	0.0155
0.2055	-0.9525	0.1135	-0.1705	-0.2145	1.3315	-0.3805	-0.6295	-0.5105	-0.8705	-1.0885	-0.2245	-0.1875	-2.4075	-2.0065	0.4165	-1.2855	-0.1535	-1.0855	-2.7545	-0.7075	-0.8405	-1.0785	-1.8295	-1.6485	-1.3215	1.3465	-0.4575	-0.9615	1.4475
-0.0025	-0.3505	-0.5735	-0.4525	-0.0815	1.0205	0.1005	0.3925	0.4955	-0.5405	-0.5085	0.2515	0.3855	-0.0445	0.4435	-0.2975	-0.7175	-0.6465	-0.6855	-0.3895	-0.7705	-0.3855	-0.4235	-0.2175	-0.4645	-0.3305	-0.1565	-0.0735	-0.4755	0.0025
-0.8735	-0.6905	0.3355	-0.8515	0.2225	1.5825	0.4535	0.3305	0.4705	-1.9245	-0.8465	-1.9615	0.2805	-0.9445	0.2515	-2.2485	-1.4095	-1.0005	-2.6175	-2.3605	-1.6955	-0.7685	-1.7725	-0.3885	-1.2815	-0.8435	-1.5425	-0.0895	-1.8195	0.1745
-0.004	0.004	-0.668	-0.74	-0.059	1.69	0.236	0.083	0.273	-0.204	-0.383	-0.037	0.751	0.169	-0.299	-0.558	-0.533	-0.425	-0.803	-0.44	-0.724	-0.444	-0.991	-0.971	-0.395	0.483	-0.346	-0.4	-0.844	0.069
-1.249	-0.189	-0.26	-0.722	0.408	0.72	0.523	0.073	0.128	-1.386	-0.45	-1.535	0.744	-0.611	-0.006	-1.724	-0.735	-0.309	-1.258	-1.84	-0.62	-0.165	-0.891	-0.828	-0.276	-0.582	-1.379	-0.491	-0.609	0.055
-1.009	-1.499	-0.761	-1.284	-1.075	-0.382	-2.593	0.035	0.022	-0.486	-0.442	-1.084	-0.345	-0.165	0.381	-0.516	0.119	1.225	1.585	1.12	0.636	0.933	-0.288	0.596	0.6	0.165	0.796	-0.269	0.853	1.06
-0.2655	-0.4775	-0.4415	-0.1095	-0.7145	-0.0115	-0.5225	-0.3005	-0.1265	-0.1065	0.1845	-0.5185	-0.6585	0.4975	0.4785	0.6275	0.0975	0.6565	0.9575	-0.0755	-0.3225	0.1995	0.2585	0.8465	0.5505	1.0895	1.7995	1.8655	1.8305	-0.1265
-1.22	-0.029	0.366	0.123	-0.781	-0.112	-0.417	-1.528	-1.306	-0.169	0.25	-0.933	-1.417	-0.679	-0.497	-1.017	-0.156	-0.601	0.219	2.717	0.195	0.303	-0.238	-0.348	0.472	2.902	-0.155	0.831	0.744	-0.322
1.5305	0.7355	0.7975	0.5135	0.3875	0.2125	0.4605	1.0195	0.9955	0.1375	0.0105	-0.0055	0.2055	0.2165	0.1875	1.0625	1.1195	0.2905	1.4425	1.0215	0.7765	0.2615	0.4865	-0.5155	-0.6445	-0.7935	2.4705	0.4055	-1.1045	0.7945
-1.0055	-0.4045	-1.0015	-0.9575	-0.1425	-0.4135	1.7235	-1.0215	-1.0965	-0.7565	-1.2735	-0.3965	-0.7245	-1.1315	-0.2655	2.7455	-0.8295	-0.6405	0.0395	-1.1585	0.8015	-1.3965	-1.0425	-1.1465	-0.8935	-1.5475	-0.6855	-1.7995	-1.3765	0.3445
-1.7625	-1.0365	-0.9075	-1.4515	-0.4115	-0.2955	1.5325	-2.0555	-2.1635	-1.4695	-1.2235	-0.7595	-0.8415	-1.2045	-0.5645	2.7225	-1.1775	-0.8985	0.2245	-1.7735	0.8815	-1.7295	-1.2065	-1.3945	-1.1715	-1.8815	-0.7445	-2.2765	-2.2135	0.8075
-0.822	-0.303	-1.054	-1.35	-0.007	0.597	-0.3	0.589	0.599	-1.328	-1.12	-0.141	1.542	0.178	0.529	-1.422	-1.313	-0.261	-1.713	-2.486	-2.158	-0.902	-1.081	-1.111	-0.909	-0.323	-1.189	-0.321	-0.901	-0.402
0.852	-0.212	-0.268	-0.02	0.603	0.117	1.26	-0.224	-0.102	0.802	-0.331	0.765	0.5	0.552	0.986	1.537	0.946	0.098	-0.758	0.651	1.372	0.767	1.09	1.052	1.672	0.428	0.348	0.229	-0.285	1.317
0.8345	-0.0795	0.2375	-1.8175	-0.0215	1.2345	-0.2485	-2.2095	-2.2135	-2.7575	-2.3965	0.3525	-1.9675	-2.9275	0.2795	-1.7685	0.3705	0.1255	0.0525	-5.1155	-0.4815	-1.6105	-0.6885	-2.9615	-2.5485	-0.8785	-2.9605	-2.3285	-2.5305	-2.4175
-1.889	-2.502	-1.933	-2.405	0.239	1.401	1.457	0.594	0.901	-1.155	-1.042	2.048	1.044	-1.332	-0.029	-0.991	-2.063	-1.129	-2.266	-2.576	-2.412	-0.944	-2.317	-2.848	-1.263	-0.101	-2.471	0.48	-3.238	-1.761
-0.1095	0.2835	-0.1755	0.0895	-0.1795	0.2765	0.0475	0.2765	0.3165	0.0035	-0.3245	0.1885	0.1695	0.3905	0.1805	-0.1125	0.0385	-0.2125	0.2595	0.3095	-0.2095	0.1295	0.9095	0.0215	-0.1375	-0.1975	0.0635	-0.0165	-0.0365	0.0425
0.628	0.055	0.828	-0.22	-0.306	0.609	2.666	0.918	0.56	-0.219	-0.16	-0.14	2.068	0.695	1.581	2.918	1.221	0.482	1.3	0.26	1.966	0.09	0.318	0.644	0.06	-0.149	1.334	0.171	0.195	0.033
2.8225	1.1695	2.0595	-0.3665	-1.0475	0.6275	-0.0145	0.7555	0.5645	-1.1635	1.2135	1.6685	2.2465	0.0845	2.7165	1.9905	-1.0635	1.8775	0.2345	0.4125	1.5165	0.7275	0.7365	-1.1215	-0.3925	-1.1585	2.2255	1.1175	1.5535	1.1185
0.3445	-0.8045	-1.1655	-0.2355	-0.6175	1.2695	-0.3555	-0.2825	-0.2905	-0.2705	-1.9615	-0.6055	1.3645	-1.0855	-0.4655	-2.2555	0.0645	-0.2855	-0.8865	-2.8215	-2.1955	-2.2045	-1.6055	-1.1325	-1.5985	-1.0755	-2.2755	-0.9955	-2.0955	-0.0245
-0.724	-0.255	0.372	0.388	0.55	0.113	0.548	-0.136	-0.129	0.564	0.097	0.378	0.743	1.118	0.925	0.797	0.654	0.236	0.352	0.169	0.193	-0.394	0.766	0.503	0.385	0.675	0.277	0.564	0.096	0.257
-0.351	-0.107	-0.065	0.181	-0.413	-0.18	-0.28	1.234	0.895	-0.45	-0.235	1.6	0.508	-0.39	-0.104	0.99	-0.693	-0.242	-0.436	-0.343	-0.339	-0.104	-0.21	0.248	-0.139	0.79	1.969	0.336	0.478	0.382
-0.5985	-0.4515	-0.2015	0.0415	-0.1505	-0.1165	-1.2745	-0.0025	-0.0405	-1.1115	-0.8935	0.0995	-0.6875	-0.8765	-1.0035	-0.5365	-0.5785	-0.3595	-0.4095	-0.4325	-1.4235	-0.5295	-0.4435	-0.2975	-0.9245	-0.3035	0.4645	0.5555	-0.2865	-0.1645
-0.7975	0.7455	-1.7175	1.0425	-0.5875	0.5845	-0.6595	0.2605	0.5435	0.2145	0.3925	-0.2345	0.0285	-1.0945	-1.9345	1.0595	-0.8365	0.3935	0.5895	3.0715	-1.3135	-0.8255	-0.8255	-1.1325	0.7215	-0.9945	-1.9835	-1.5655	-0.8845	0.6895
-0.9285	-0.6265	-0.9905	-0.6705	-0.8585	-0.2585	-1.5385	0.2335	0.4305	0.5445	-1.2795	-1.3005	-0.9665	0.1265	-1.4405	-0.2005	-1.1065	0.3935	0.1515	1.0655	-1.9205	-1.1875	0.5145	-1.1245	-0.7135	-0.1475	-0.7325	-0.6215	0.6985	-1.0695
-0.0675	0.3425	0.9765	0.3815	-0.2325	0.9515	-0.3535	0.7855	0.8715	0.2285	0.2585	-1.2205	0.9925	-1.1975	-0.6645	-1.0105	0.3425	0.9905	0.4055	1.2075	-0.1665	-0.1225	0.0075	0.2385	0.3685	-0.9015	-0.4855	0.5825	-0.2285	-0.6865
0.004	-0.223	-0.281	0.203	-0.096	-0.044	-0.161	0.091	0.1	0.135	-0.013	0.18	-0.269	-0.26	0.124	0.094	-0.156	0.054	-0.615	0.147	0.322	0.412	0.603	-0.62	0.441	-1.292	-0.062	0.018	-0.136	0.064
0.787	-1.373	-0.007	0.11	-0.55	0.523	1.176	-0.511	-0.449	0.307	-0.567	-0.036	1.354	0.675	-0.22	-0.373	-0.824	0.17	0.402	1.876	1.33	1.19	0.065	2.37	0.535	0.815	-0.105	0.99	0.707	1.681
-2.6235	0.1925	-0.3195	-0.1885	-0.7985	0.7775	-0.3875	0.8485	0.8365	-0.2875	-1.0085	1.0545	0.1785	-1.7925	-0.2805	0.9525	-1.9405	-1.4735	-1.0895	-1.5335	-0.7075	-1.1625	-2.3965	-1.7435	-0.7665	-0.6905	2.1945	1.9065	0.6815	1.7615
-0.267	-0.31	0.355	0.129	0.496	0.217	0.433	-0.54	-0.55	0.111	0.532	-0.36	0.038	0.193	-0.211	-0.194	0.031	-0.051	0.417	0.371	0.102	-0.76	-0.008	0.345	-0.438	-0.015	0.148	-0.048	-0.133	-0.026
0.327	-0.165	-0.133	-0.948	-0.66	-0.283	0.189	0.28	0.456	0.459	0.439	1.555	1.161	0.489	0.021	-0.231	-0.344	0.314	0.079	1.192	1.685	1.129	0.257	0.654	1.241	1.097	0.495	0.137	0.579	0.471
0.882	-0.059	-0.369	0.58	0.803	0.48	1.399	1.03	1.043	0.471	-0.006	1.16	0.298	1.794	0.933	1.671	1.79	1.315	1.146	1.14	1.283	1.326	0.762	0.203	-0.479	-1.327	1.204	0.495	-1.317	0.212
0.2215	0.6435	0.5575	0.3335	0.3555	-0.4505	-0.5375	0.4975	0.4915	0.3815	1.2285	0.4585	2.7905	0.3655	-0.4165	1.4775	-1.3395	0.7185	1.1675	1.3435	0.6245	-0.2265	-0.2125	0.6025	0.0835	0.6075	0.0535	0.3035	0.2075	0.3155
-0.138	-0.13	0.091	0.439	-0.064	0.253	-0.162	-0.726	-0.669	-0.134	-0.079	-0.82	0.442	-0.31	-0.06	-0.966	-0.206	0.237	-0.263	0.956	-0.978	-0.476	-0.701	1.046	0.528	-1.623	0.615	-0.067	-0.843	0.568
-0.149	-0.063	0.559	-0.13	0.207	0.233	0.343	0.35	0.368	0.401	-0.179	0.448	1.292	0.845	0.359	0.595	0.02	0.388	2.05	0.821	0.468	0.874	-1.19	0.103	0.088	0.065	0.503	-0.254	0.336	0.047
0.2975	-0.0345	-0.3005	-0.2845	-0.6255	-0.3525	-0.5325	0.0415	0.2715	0.0635	-0.1695	0.2185	-0.3945	-0.7245	-0.4035	-0.1485	-0.5695	-0.5935	-0.0245	-0.0865	-0.5075	-0.3465	-0.3255	-0.2615	-0.0985	-0.1935	0.1725	-0.1285	-0.2025	-0.1815
3.9115	2.7385	0.8445	1.2235	0.6105	-0.0675	-1.2745	-2.5615	-2.6755	1.2035	-1.3915	-0.6525	-0.3655	-0.1985	-0.5945	0.5315	1.5765	-0.8125	-0.8895	0.1505	0.9665	-1.0755	0.4035	0.6245	2.6675	-0.2385	0.6255	-0.0775	1.0225	0.5325
0.4635	0.0285	0.4035	-0.1215	0.8985	-0.4675	-0.3795	0.9065	0.5195	0.7545	0.1545	1.1365	0.5945	-0.1965	-1.0335	0.2425	0.7915	-0.5035	-0.0395	0.0075	0.2475	-0.2095	0.5635	1.2735	-1.2805	0.0425	0.7205	-0.7735	-0.4955	0.3565
0.2655	-0.7265	0.0405	-0.2975	0.4985	-0.1455	0.4035	0.0265	-0.0015	0.1995	-0.0795	1.2525	0.4395	0.1545	0.3765	0.3475	0.0815	-0.1665	0.9735	0.7305	0.6695	0.5305	0.0215	0.4255	0.0285	0.4095	0.0025	0.3815	0.1325	-0.0715
0.4665	0.0855	0.1105	0.0765	-0.0205	0.2595	0.4645	0.3955	0.3365	-0.8245	0.0365	-0.2155	0.1395	0.0915	0.6705	-0.1455	-0.3775	-0.0385	-0.8735	-0.5785	-1.0215	0.5195	0.6165	-0.6045	0.4035	-2.3105	-1.5075	-0.7565	0.7555	-1.0935
1.046	0.69	0.731	-0.227	-0.04	-0.279	1.191	0.382	0.427	1.449	0.085	1.64	1.568	0.485	1.307	0.061	0.618	0.447	0.133	0.141	1.465	-0.87	-0.74	1.177	0.52	0.584	0.782	0.863	0.442	-0.005
1.241	-0.372	-0.237	-0.188	-0.118	-0.006	-0.062	2.132	2.254	-0.431	1.369	-0.64	-0.911	-0.626	0.524	-1.003	0.592	0.486	0.732	3.02	1.735	2.459	-0.142	-0.317	0.882	-1.181	-1.055	0.006	0.294	0.556
0 1085	0.1245	-0.8165	-0.3335	-0.0375	0.5495	-0.6075	-2.0245	-2.1875	-0.3795	0.1665	-1.6505	-0.3875	-1.6375	-1.4445	-1.2465	-0.9195	-0.4925	4.3455	0.1335	-0.5565	3.2645	-0.9345	0.1405	-0.6415	-0.2505	-1.4695	-0.7525	-0.7595	0.1205
0.654	0.169	-0.07	-0.399	0.046	0.391	-0.498	-0.133	-0.257	-0.267	-0.17	-0.052	-0.487	-0.514	0.093	-0.407	0.082	-0.496	-0.778	-0.654	0.002	0.828	-0.283	0.749	0.514	0.56	-0.156	0.088	0.6	-0.055
-0.296	-0.254	0.018	0.115	0.45	-0.353	-0.348	1.054	0.951	0.344	0.42	0.709	0.914	0.949	0.906	0.501	-0.585	-0.231	-0.314	1.232	1.229	0.698	-0.859	0.859	0.416	0.264	1.069	0.261	1.081	-0.645
-0.4375	-0.7695	0.3765	0.4135	-1.3235	0.0635	-0.0565	-0.0685	-0.1485	-0.6515	0.1555	0.4615	-0.5375	1.2025	0.7105	0.6195	-1.2915	-0.3925	-0.3385	0.0875	-0.4045	-0.4825	0.8075	-0.6235	-0.0395	-1.0275	-0.4885	-0.1825	0.0205	0.3665
1.244	1.11	-0.022	1.08	0.78	0.88	-1.135	-0.18	-0.2	1.71	0.33	-0.189	-1.397	-2.177	-1.713	-1.073	0.745	0.023	0.16	-1.97	-0.825	-0.43	0.182	-1.54	0	0.371	-0.626	-0.917	-1.206	-0.68
-0.445	0.021	-0.483	0.122	0.187	0.249	1.177	0.606	0.493	-0.151	-0.207	0.582	0.408	0.791	0.371	1.835	-0.578	-0.073	0.453	0.648	0.136	0.114	-0.111	0.116	-0.388	-0.493	-0.611	-0.362	1.665	0.051
0.79	-0.963	-0.224	0.638	0.631	0.45	1.401	-0.225	-0.104	0.022	-0.381	0.76	0.564	-1.053	0.391	0.705	0.504	1.162	0.623	1.599	0.945	0.907	-0.98	-1.067	-0.868	-0.568	-0.122	-0.535	0.196	0.038
0.845	0.381	-0.051	-0.133	-0.068	0.019	0.002	1.264	1.174	0.695	0.611	0.721	0.202	1.232	0.243	0.502	0.841	0.197	0.799	0.36	0.35	-0.208	0.819	0.437	0.148	1.35	2.225	0.503	1.092	0.143
-1.0855	-0.9165	0.7315	0.1505	1.3205	0.5415	-0.8795	0.7715	0.6025	1.2205	-1.5035	0.9475	0.5025	1.7995	-0.0275	1.8905	1.3155	0.9755	1.5085	1.1135	-0.2815	0.3705	1.6605	1.2895	0.6305	-0.6625	-0.3275	-1.0685	-1.1885	-1.3315
0.8215	0.1755	0.7705	0.1785	-0.1555	-0.2975	-0.1475	-0.1255	-0.1305	0.1285	-0.3355	-1.2005	0.5155	0.7265	0.4805	-0.6785	0.3315	-0.3965	-0.6795	-1.3525	-0.0125	-0.3195	-0.2415	1.8995	1.8245	-0.3045	-0.3105	2.8565	0.5575	0.4095
0.0515	0.5345	0.1585	0.2195	-0.7085	-0.3805	0.3495	-1.3115	-0.5525	-0.5115	0.3415	-0.6155	-0.5395	-0.7755	0.3785	-1.0595	0.2595	-0.3025	1.0185	-0.8675	-0.4835	0.2335	-0.2945	1.9075	0.3855	0.0345	-0.8695	-0.2715	0.7525	-0.7755
1.165	-0.262	0.749	1.17	0.755	0.165	0.11	0.784	0.916	1.382	0.695	0.938	1.618	1.826	1.073	1.544	0.67	0.978	1.167	1.363	0.762	-0.14	0.395	0.45	0.333	-0.274	0.316	1.269	0.203	0.472
-0.0235	0.1735	0.1525	-0.1865	-0.3605	-0.1275	0.5155	1.2045	1.1705	0.8085	-0.0585	0.7305	-0.2345	-0.9825	0.8495	0.4825	-0.4555	0.0865	0.9835	0.8045	-0.1975	0.8975	0.2835	0.0035	-1.0595	0.6545	0.3415	-0.1265	0.7285	0.4225
0.403	-0.67	-0.268	-0.772	-0.791	-0.413	1.317	0.572	0.629	0.051	-0.448	0.059	0.408	-0.106	1.228	0.851	0.245	0.167	0.555	-0.52	-0.55	-0.107	0.067	-0.06	0.226	0.758	0.652	-0.582	0.547	0.087
1.124	0.819	-0.5	0.913	0.774	-0.743	-0.316	-1.556	-1.264	-1.498	0.243	1.629	-0.201	-2.375	-0.463	1.1	-1.901	0.517	-2.956	0.527	-1.955	-1.753	1.995	-0.406	0.077	1.205	-0.739	1.108	-0.201	1.454
0.0445	0.3615	0.0885	-0.1585	-0.3215	-0.0015	0.1485	0.6485	0.6735	0.7195	0.5285	-0.0825	1.0755	0.2355	0.0825	1.4055	0.5615	0.3685	0.5465	0.3525	0.8875	-0.0635	0.3965	0.2835	0.6955	0.1105	0.4235	0.5415	0.9795	1.1345
-0.7965	2.1885	0.6565	0.7755	1.3525	0.6165	-0.6035	-0.1005	-0.0765	0.1445	-2.0725	0.8415	0.9525	-0.2145	0.0035	1.2225	-0.2685	1.1905	-0.1235	-0.5725	1.0795	0.4635	-0.6945	-1.0185	-0.5345	0.1945	0.2955	1.1735	0.2545	-1.0265
-0.1085	0.5355	0.8715	0.1295	0.0535	0.0445	-0.2745	-0.5015	-0.5545	-0.1905	-0.5825	-0.7775	-0.3035	1.2525	-0.4415	-0.1245	0.7185	-0.0025	-0.2155	1.1935	0.3515	0.5535	1.3415	0.3885	-0.5905	-0.2285	-0.2525	-0.9545	-0.6385	-0.1405
-0.7355	-0.5165	-0.9935	0.2215	-0.6965	-0.4495	-1.1995	0.3725	0.3795	-0.8945	0.8835	-1.7305	-1.5985	-0.1235	1.0095	-0.5345	-0.7005	-0.2245	0.0195	-0.0995	-0.6005	0.2685	-0.1635	1.0605	0.5465	-0.2835	-0.6575	-0.5125	0.3045	0.9095
2.645	1.734	1.771	2.684	2.525	1.591	0.761	2.273	2.244	1.76	1.211	-0.677	-1.035	-1.445	-0.764	-0.882	0.432	0.651	-0.38	-1.08	0.417	-0.639	-1.108	-0.307	-0.002	0.978	-0.313	-0.339	-1.036	-0.044
0.758	-0.147	0.62	0.871	1.051	0.816	0.473	0.176	0.22	1.031	0.585	0.339	1.35	1.333	0.959	1.104	0.206	0.056	0.167	0.079	-0.135	0.518	-0.138	-0.311	0.373	0.923	1.242	0.558	1.035	0.105
2.7765	0.3415	-0.1995	-0.1905	0.4785	-0.6285	-0.4785	0.7775	0.6175	1.1965	2.4245	-0.6185	2.2165	0.0625	-0.0585	1.3105	-0.9275	-0.6965	1.1005	2.9545	2.5175	2.8475	-0.1645	-0.0365	-0.2505	-0.7035	-0.1735	-0.2025	0.4685	0.3205
0.9415	0.1795	0.1135	0.0735	-0.0295	-0.2315	0.1485	0.4945	0.3805	0.3935	0.0385	0.5345	-0.3665	0.0125	-0.1905	-0.1575	0.1565	0.2295	0.6855	0.4345	-0.5645	0.3035	-0.1555	-0.0415	0.0155	-0.8255	0.4475	-0.2535	-0.1935	-0.0195
-1.4885	-0.5975	-1.9995	0.1915	-0.6525	0.6635	-1.0975	2.2865	2.2615	0.1685	-1.2495	3.1695	0.9525	-0.9425	-1.2885	1.3425	-1.9255	-0.9995	-1.5615	0.7095	-1.9965	-0.9895	0.1415	0.3875	-0.2675	1.2395	1.9735	1.1185	-0.0275	1.1905
-0.116	0.05	-0.265	-0.059	-0.066	0.015	-0.121	-0.256	-0.288	-0.112	-0.268	0.112	0.124	-0.275	-0.139	-0.211	-0.141	-0.305	0 009	-0.103	-0.079	-0.248	-0.169	2.516	-0.228	0.161	-0.105	0.009	-0.15	0.652
-0.012	-0.754	-0.552	0.389	0.065	0.358	-0.41	-0.291	-0.13	-0.355	-1.092	0.417	-0.929	-0.621	-0.694	0.351	-0.424	0.283	-0.9	-0.951	-0.9	-0.224	0.981	-0.378	-0.7	0.758	0.9	-0.272	-0.375	0.176
-0.775	-1.012	-0.755	-1.401	-1.267	-0.607	-1.855	0.458	0.432	-0.201	0.329	-0.005	0.435	0.425	-0.165	0.755	0.825	1.215	2.091	1.751	1.165	0.4	-0.085	0.6	0.968	0.665	1.455	0.805	0.495	1.168
0.742	0.091	0.435	0.04	0.094	0.004	0.602	0.549	0.5	0.294	0.137	-0.033	0.183	0.871	0.578	0.435	0.892	0.289	0.804	1.136	1.087	0.873	0.657	-0.314	-0.004	-0.45	0.103	-0.253	-0.062	0.189
-0.397	0.224	0.928	0.088	0.345	0.055	-0.143	1.076	1.881	-0.27	-0.161	-0.261	-0.335	-0.016	-0.284	-0.578	0.897	-0.143	-0.531	-0.403	-0.224	0.013	-0.155	0.274	-0.079	0.85	1.413	-0.105	0.468	0.398
-0.6425	-2.2205	0.3555	0.0085	0.0365	-0.1925	-0.0545	-1.0825	-2.1315	-1.3335	-0.0615	-0.0225	-1.1135	-0.9295	-0.4805	-0.9825	-0.1345	0.0645	-1.2065	-1.6845	0.0965	-0.5845	-0.0125	-0.2765	0.1285	0.5795	2.7075	0.3085	0.5535	-0.3125
-0.4	0.58	-0.694	0.49	0.51	0.25	0.132	-0.44	-0.04	-0.32	-0.08	0.334	-0.505	-0.239	-0.118	-0.225	0.092	-0.052	-0.34	-0.43	-0.085	-0.02	-0.077	0.27	0	0.645	1.868	-0.428	-0.338	0.34
-0.5305	0.3295	0.7765	-0.0205	0.0075	-0.4285	0.0525	2.1615	1.9515	-1.3115	0.3565	-0.4035	-0.7155	-0.6625	-0.6505	-0.4505	0.0595	1.1105	-0.9375	-1.9415	0.2455	0.6545	-0.6825	-0.2155	0.4375	0.6035	2.5435	-0.6735	0.9095	-0.3465

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-728(LUMINAL	BR95-018(LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-M(LUMINAL	BR95-015; LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016' LUMINAL	UB78 LUMINAL
1.6905	0.5225	-0.0375	0.0845	0.2895	0.3975	-0.5925	1.9185	1.8575	0.5745	0.6155	-0.8075	-1.4885	-1.3315	-0.5245	-1.5015	-0.2905	0.5885	-1.5885	-1.1805	-1.3495	-0.8835	-0.5825	-0.6295	0.7345	-0.9035	-2.3085	-1.5045	0.5945	0.6445
-1.157	-0.63	-0.043	-0.432	-0.67	0.344	-1.427	0.054	0.028	-0.169	-1.407	1.143	0.164	-0.292	0.418	-1.491	-1.059	-0.474	1.512	-0.914	1.286	-1.502	-2.171	-0.167	-0.336	-2.089	-1.35	-1.162	-1.824	-1.401
2.1795	0.3635	*0.3295*	*1.0125*	*0.8075*	1.4635	-0.3245	*0.6555*	*0.6735*	*0.5385*	*0.1695*	0.2275	-0.0195	*-0.4185*	*-0.0485*	1.7285	-0.3065	0.4355	-0.0025	*-0.1415*	*0.1225*	*0.1365*	-0.5485	-0.2355	*0.8175*	*0.8975*	*0.6755*	-0.0895	-0.0025	0.7905
1.8145	1.1005	-0.2375	-0.7265	0.7555	1.2485	-1.0595	0.4205	0.3025	0.2795	-0.5975	0.4125	0.7015	0.9795	0.5245	1.5685	-0.4475	1.1205	0.4965	1.6735	-0.2325	-1.0375	-0.6255	1.0945	0.0035	0.0405	-0.6545	-0.7205	0.5035	0.0465
0.821	0.045	-0.2	-0.227	-0.004	-0.304	-0.302	0.054	0.023	-0.336	-0.25	0.644	-0.515	-1.022	0.402	-0.37	-0.016	0.389	-0.422	-0.804	-0.165	-0.185	0.467	0.319	-0.119	0.254	-0.129	0.138	-0.031	-0.119
0.383	-0.076	-0.023	-0.076	0.143	0.905	1.466	2.365	1.747	0.891	0.632	1.262	1.307	1.134	1.081	0.873	-0.513	1.349	0.259	2.237	0.565	0.729	-0.022	-1.068	-0.877	0.761	-0.238	1.049	1.114	0.896
-0.3755	0.3995	-1.1195	*-0.6115*	-0.5315	-0.7135	-0.7575	*1.0885*	*1.1945*	*0.3345*	-1.0495	0.2465	*-0.3595*	*-0.0275*	*-0.7885*	*-0.0395*	-0.3815	0.1335	*0.1835*	*-0.6255*	*-0.6455*	-1.1245	0.9705	1.1325	*-0.7075*	*-0.2085*	*0.6825*	0.3845	-0.8745	-0.4485
-1.3315	0.4705	-1.0415	*0.1535*	-0.4475	-0.0815	0.0055	0.3615	0.3845	*0.0725*	-0.2685	0.2225	-0.1405	-1.7745	-1.0215	0.3665	-0.8375	-0.1405	0.5855	-1.0745	-1.4275	3.2925	-0.7475	0.9045	0.7945	1.1655	1.2565	0.2725	0.7515	0.4425
0.402	0.667	-1.405	-0.411	2.013	0.905	0.711	-0.903	-0.628	0.472	-0.301	0.434	-1.297	-0.055	-0.365	1.796	0.772	-0.08	-0.279	-1.926	-0.012	-1.141	1.555	1.598	0.127	2.149	0.913	0.653	0.163	0.247
-0.041	-1.944	-0.324	-0.205	-0.158	-0.105	-0.487	-0.178	-0.173	-0.772	-0.218	-0.122	0.075	0.011	-0.285	0.533	-0.172	0.809	0.869	1.184	0.316	0.11	-0.102	0.222	0.373	0.328	-0.141	0.025	0.195	0.183
-0.1265	-0.6135	-0.3065	-0.3955	0.1825	-0.4145	*-0.4515*	*-0.5115*	*-0.3795*	-0.6545	-0.5015	-0.8535	*-0.2635*	*-0.3355*	*-0.0015*	-0.2665	0.0335	*0.0295*	*0.7075*	*1.1095*	*0.3935*	0.8525	0.2115	*0.3965*	*0.0715*	*-0.7855*	0.1865	-0.0485	0.1225	*0.3685*
0.9155	0.7895	-0.3275	*0.5505*	-0.7285	-0.1005	-0.4355	-0.1705	-0.1525	-0.3285	1.0175	-0.4145	-0.2025	1.9235	0.1445	0.7115	0.7205	0.0735	1.7525	-0.4595	0.2515	-0.4945	-1.8095	-0.6295	-1.1965	-0.5715	-0.1355	-0.7055	-0.7355	-1.1415
0.724	-1.352	-0.367	0.358	0.176	-0.378	0.424	-1.66	-1.487	0.183	-0.727	0.533	0.41	0.108	0.729	0.768	0.68	-0.25	1.272	1.057	0.141	0.378	0.41	1.103	-1.911	0.753	-0.011	0.253	0.758	0.404
1.4705	-0.3065	0.4225	2.1065	1.5215	0.8565	-0.0715	-0.2495	-0.1375	0.6275	0.6545	-0.6805	-2.1135	-0.0925	-1.5415	-0.8615	-0.0945	0.4325	-1.4005	-2.6385	-0.0205	-0.6845	0.2745	-0.6335	0.1115	0.3785	-0.2025	-0.0265	-2.3405	-0.7055
-0.0505	*-0.1425*	*0.2885*	-0.1005	-0.0735	-0.0025	*-0.7235*	*-0.1875*	-0.3815	-0.9635	0.1745	*-0.5345*	*-0.8635*	*-0.3745*	*0.2865*	-0.8385	-0.3305	*0.0295*	*-0.7285*	-0.5135	1.0085	-0.3025	*0.1015*	*-0.7015*	*-0.6395*	*0.1715*	-0.2175	-0.0135	*0.0865*	*-0.2245*
-0.188	-0.187	-0.183	0.16	0.571	-0.07	0.165	-0.225	-0.169	-0.348	0.578	-0.394	0.37	1.184	0.321	0.145	0.153	-0.115	-0.094	0.081	-0.187	-0.069	0.408	0.456	-0.052	-0.14	-0.767	0.227	-0.216	0.012
-0.0275	0.0475	-0.5085	0.2105	-0.1105	-0.1295	-0.1805	-0.2225	-0.1605	-0.0515	-0.4745	-0.3815	0.3575	-0.2945	0.7415	-0.2245	-0.0205	0.0975	0.5035	-0.0725	0.0275	0.0755	0.0815	-0.0685	-0.9665	0.5065	-1.0165	-0.0445	-0.3755	-0.1495
-0.737	-0.125	-0.504	-0.108	-0.287	-0.033	0.071	0.405	0.338	-0.338	-0.37	0.799	-0.24	-0.172	-0.48	0.155	-0.368	-0.312	-0.15	-0.96	-0.617	-0.402	-0.163	0.434	-0.078	0.693	0.689	0.288	0.025	0.088
2.0045	1.3495	-0.0275	-0.4705	0.0065	0.1305	*1.2945*	0.3675	0.2205	0.7875	-0.1085	*1.0945*	-0.1335	*0.2605*	0.6405	1.9185	*0.5145*	*-0.3535*	0.6245	0.0695	1.1975	0.2505	1.2675	1.5895	-0.1845	0.2815	-1.0275	1.3015	0.4395	1.4945
-0.1665	*0.1055*	-0.5575	-0.3395	-0.9245	-0.2395	-0.7035	-0.6505	-0.5045	-0.4545	-0.5465	-1.8015	0.1205	-0.2555	0.4935	0.2755	0.7755	0.5805	0.9795	0.0305	-0.2515	0.2735	0.6816	-0.4725	0.3125	-0.7835	0.4015	-0.7125	-0.0065	0.0855
0.492	0.474	-0.219	0.068	0.156	-0.177	-0.807	-0.414	-0.288	-0.268	-0.494	-1.143	-0.358	-0.839	-0.427	-0.515	-0.133	-0.037	-0.169	0.237	-0.187	-0.058	-0.377	-0.426	-0.454	-0.789	-0.422	-0.13	-0.208	0.064
-0.341	-0.146	0.116	-0.195	-0.023	-0.144	0.114	-0.285	-0.174	-0.635	0.46	-0.798	-1.203	0.12	-0.572	0.299	0.049	0.412	-0.311	-0.5	0.595	0.936	0.34	-0.513	0.31	-0.547	0.274	-0.1	0.398	-0.51
-0.495	0.307	0.037	-0.412	-0.231	-0.727	0.111	0.517	0.455	0.513	-0.986	0.205	0.287	0.237	0.54	0.555	0.402	0.05	0.155	0.365	0.082	*0.305*	0.709	-0.493	0.561	0.228	0.589	0.644	-0.376	0.123
-0.027	0.348	0.085	0.328	0.017	0.091	0.425	0.403	0.37	0.284	-0.555	0.289	-0.081	0.341	-0.293	0.3	0.338	-0.081	0.501	0.508	0.016	1.004	0.688	0.041	-0.137	-0.543	0.067	0.084	0.125	-0.174
0.5615	0.1495	0.3025	0.1655	0.1375	0.3755	0.0825	0.1885	0.1355	0.2595	-0.0285	-0.2675	-0.4365	-0.2705	-0.3415	-0.0745	0.2425	-0.0555	0.2085	-0.1045	-0.3575	0.4525	0.4595	0.5795	-0.0295	0.7935	0.2175	-0.1505	-0.0955	-0.2625
0.673	0.129	-0.138	0.039	-0.618	-0.129	-0.483	0.673	0.65	0.716	-0.402	4.014	-0.582	-0.308	0.339	0.81	1.444	0.134	0.96	1.394	-0.022	-0.178	1.556	0.384	-0.65	-0.68	1.385	0.491	-0.333	-0.34
0.489	-0.657	-0.593	-0.403	-0.688	-0.448	2.822	0.497	0.775	1.409	-0.394	-0.601	0.783	-0.332	-0.218	1.375	-0.426	-0.406	-0.553	0.246	-0.563	*0.015*	*-0.328*	1.7	0.27	1.44	*1.284*	*1.384*	*0.118*	-0.318
-0.1105	*-0.1985*	0.2045	0.1005	-0.2035	0.1595	*-0.3725*	*-0.0765*	-0.0535	0.3905	0.0035	0.1805	0.3485	-0.3205	-0.3555	-0.2965	-0.5015	-0.1165	0.6085	0.6045	3.3165	-0.6415	0.4155	-0.2345	0.0965	0.0195	-0.2095	-0.1565	-0.5705	2.3445
-0.321	-0.352	-0.169	-0.509	-0.49	-0.116	-0.837	0.038	-0.029	-0.23	-0.148	-0.29	-0.113	-0.275	0.028	-0.294	0.162	0.495	0.651	0.423	0.411	0.078	0.273	0.975	0.315	0.12	0.631	-0.008	-0.38	0.492
1.22	-0.453	-0.261	0.852	1.528	0.191	-0.088	-0.324	-0.274	0.129	-0.075	-0.611	-0.303	-0.704	-0.472	-0.051	0.363	0.01	-0.042	-0.905	-0.04	0.464	0.887	-0.345	-0.111	-0.212	-0.605	-0.517	-0.257	-0.225
1.207	-0.146	1.04	0.328	0.898	0.159	0.075	0.512	0.475	1.764	0.959	1.254	1.186	-0.024	-0.135	0.231	1.546	1.086	0.852	2.156	-0.162	0.558	0.284	-0.673	-0.372	-1.268	*0.54*	*0.517*	0.13	-0.741
0.256	*0.451*	*-0.09*	0.197	-0.171	-0.249	*-0.089*	*-0.405*	-0.351	0.554	-0.312	*-0.648*	*-0.728*	-1.474	-0.562	-0.382	-0.11	*-0.359*	0.691	-0.632	-0.658	-0.368	*-0.185*	0.595	-0.243	-0.484	-0.357	-0.529	-0.921	-0.487
-1.477	-0.519	-0.409	-0.136	-0.739	-0.865	-0.548	0.428	0.93	-0.39	-0.892	2.391	1.912	-0.339	-1.435	1.126	-1.08	-1.158	-1.335	-1.143	-1.296	-1.237	0.131	0.38	-0.004	1.691	3.105	0.213	1.106	-0.255
-0.978	-0.968	-0.561	-0.06	-0.645	-0.434	-0.678	1.416	2.081	-0.199	-0.692	2.305	2.336	-0.044	-0.658	1.423	-0.945	-0.782	-0.872	-0.743	-0.6	-0.792	-0.595	0.67	0.004	1.418	3.171	0.246	1.279	0.639
-1.2175	-1.4225	-0.4645	0.0145	-0.5755	-0.4585	-0.8025	1.4915	1.8955	-0.1495	-0.8125	1.7565	2.2785	-0.2485	-0.7395	0.9335	-0.9555	-0.7155	-0.9665	-0.9275	-0.8585	-0.8995	-0.6175	0.7395	-0.0765	1.5865	2.8355	0.0135	2.4135	0.6005
-1.3315	-1.0485	-0.8335	-0.1975	-1.0295	-0.7605	-0.9245	1.7395	1.9425	0.3765	-0.7515	*2.7535*	*2.1205*	-0.9085	-0.6805	1.8315	-1.2765	-0.9475	*-1.0845*	*-1.0645*	-1.1525	-0.8085	-0.7955	*0.5045*	*0.3985*	*2.2975*	2.4815	0.4475	1.8885	0.6295
-1.31	*-1.335*	*-0.654*	*0.131*	-0.909	-0.584	-0.942	1.333	*1.019*	-0.323	-0.87	2.132	1.691	-0.734	-1.057	1.073	-1.242	-0.903	-0.889	-1.057	-0.983	-0.851	-0.798	0.551	-0.08	1.277	2.541	1.029	1.598	1.014
0.0585	-0.2495	0.2585	-0.0275	0.2485	0.4825	0.4325	-0.1225	-0.1325	0.0155	-0.7755	-0.0375	-0.1625	-0.2595	0.0995	-0.0025	0.1045	0.1235	1.1655	0.6775	-0.3345	0.2025	0.6695	-0.2525	-0.6565	-0.5775	-0.3535	0.1745	0.0025	0.1365
0.393	0.655	0.506	1.034	1.235	-0.03	1.59	0.178	0.166	0.953	-0.03	*-0.525*	1.193	0.194	0.273	1.35	2.09	-0.321	0.518	0.884	2.027	1.069	0.099	0.1	-0.187	0.186	-0.492	0.424	-0.748	-0.595
-0.683	0.375	-0.567	-0.252	-0.277	0.341	-0.398	0.416	0.389	-0.042	-0.059	0.275	-1.089	-0.011	0.357	1.505	0.476	0.973	0.981	-0.42	0.143	0.201	-0.845	-0.399	-0.408	-1.506	-0.928	-0.523	0.65	0.478
-1.481	-0.178	*-0.446*	*0.164*	-0.418	0.14	-0.265	-0.083	*-0.11*	*-0.778*	-1.053	0.161	0.32	*-0.855*	-0.473	-0.232	-1.523	-0.263	-0.946	-1.696	-1.411	0.224	-0.425	-0.238	-1.511	*-0.441*	0.09	-0.326	-0.676	0.482
-0.3475	-0.4095	-0.6485	-0.4065	0.3315	-0.4335	0.1845	-0.1015	-0.1475	-0.7435	-0.9145	-0.2605	-1.2365	-0.1935	-0.4425	0.4645	0.2705	-0.3175	0.5585	-1.2865	-0.6925	-1.4845	-0.8325	0.5475	-0.2975	-0.7165	-0.6135	0.0925	-0.4375	-0.6885
0.2425	0.6535	0.1655	-0.3945	0.2155	0.7735	-0.0685	-0.5295	-0.6345	-0.0655	0.4385	1.3615	0.0655	1.1175	1.0345	0.7325	-1.3985	0.7685	-0.2495	0.6895	-0.3445	0.8295	-0.7385	0.7175	0.4695	-0.5725	0.7545	0.1845	0.2335	0.0335
2.376	1.344	1.203	0.1	0.273	0.678	2.078	2.113	2.173	-0.364	0.244	0.518	1.575	3.417	2.101	2.199	0.772	1.721	-1.654	0.771	2.719	0.243	0.681	0.053	-1.493	-1.193	-0.18	-0.429	-0.454	0.02
-0.024	0.518	0.536	*-0.335*	0.052	0.347	-0.039	*0.661*	*0.59*	0.326	-0.372	-0.229	*-0.059*	*-0.051*	*-0.465*	0.44	0.03	0.684	1.277	*0.802*	0.362	0.44	0.131	-1.097	*0.023*	*0.301*	*-0.318*	-0.819	-0.647	-0.632
0.0335	-0.2305	0.0495	*-0.1475*	0.0025	-0.1225	0.4155	0.3595	0.2815	0.0455	-0.8425	0.6065	0.6185	0.6685	0.6515	0.0645	1.2445	0.4685	0.9535	1.0405	1.0055	0.0485	0.5895	0.4375	-0.2055	-0.6025	0.2745	0.4015	-1.4865	0.3655
1.05	-0.227	-0.419	0.905	1.111	0.372	1.475	1.279	1.249	1.484	-0.099	1.005	0.8	0.592	0.078	1.625	1.71	0.532	1.564	2.196	0.725	0.922	1.146	1.791	-1.109	-0.258	-0.178	-0.175	1.368	1.367
-1.8835	-1.0055	-0.5875	-1.3155	-0.2655	1.6545	-0.5665	-0.2355	-0.1855	-1.7455	-0.9955	1.8165	0.8865	-1.0555	0.4515	-2.2105	-2.1945	-0.7935	-2.2755	-2.7955	-1.9405	-0.6555	-2.0725	-1.9755	-1.6855	-1.1135	-1.1925	-0.0345	-1.7875	0.4045
-0.743	-0.829	0.266	-0.112	-0.38	0.003	-0.675	-0.67	-0.672	-0.901	-0.778	-0.609	-0.801	*-1.265*	*-0.599*	-1.397	-1.297	-0.238	-1.137	*-1.65*	-0.951	-0.754	-1.348	-1.203	-0.737	-0.883	-0.635	-0.465	-1.65	*-0.231*
-1.2525	*-0.4735*	*0.0745*	*-0.4215*	*-0.8985*	0.0705	-0.3795	-0.4795	-0.3955	-0.7565	-0.4505	-1.2795	-0.8485	-0.9945	-0.2145	-1.5195	-0.8155	-0.0515	-1.3165	-1.9255	-1.0555	-0.6295	-2.0265	-1.8005	-0.5085	-0.7685	-1.1475	-0.9305	-1.8855	-0.1605
-1.0095	-0.4835	0.6935	-0.3455	-0.7355	0.0795	-0.9715	-0.4875	-0.5295	-0.9255	-1.2085	-1.6065	-1.1055	-1.9435	-1.2055	-2.3715	-1.8085	-0.1585	-1.3165	-2.1635	-1.2855	-1.1595	-2.5765	-2.4045	-1.2535	-2.2105	-1.4545	-0.6315	-1.6815	-0.1545
-0.516	-1.593	-0.282	-1.156	-1.156	-0.223	-1.383	0.074	0.004	-0.22	0.28	-0.547	-0.325	-0.37	0.315	0.747	0.755	1.646	1.627	1.51	0.983	0.228	0.112	-0.442	1.922	0.089	1.342	-0.135	0.774	1.584
-0.6175	0.3565	-0.8205	-0.1305	-0.4025	-0.0525	-0.7605	-0.1535	-0.3455	0.5515	-0.7165	1.9985	-0.8785	*0.2875*	-0.5075	1.0765	0.9365	*0.6675*	*0.5495*	*1.0215*	*-0.1975*	*-0.7755*	-0.3205	*0.6715*	*-0.6115*	*-0.1485*	0.1225	-0.9645	0.1495	*-0.3475*
2.2935	0.8235	*-1.8865*	0.1995	*-0.4175*	0.8235	-0.8035	-0.1625	*-0.0075*	0.6725	0.1475	0.2475	-0.2855	-1.8865	-1.2545	0.1205	0.4295	-1.3345	0.5435	-1.1335	-0.9055	0.9405	2.2395	-1.0805	3.8145	1.2175	-1.9095	-1.4835	-1.3465	-1.4965
-1.037	-1.181	-1.341	0.361	-0.582	-0.693	1.874	0.247	0.373	-0.628	-0.946	2.563	-0.278	-2.479	-2.096	-0.107	-2.698	0.442	0.118	-0.626	-2.806	-0.037	0.783	-1.14	0.192	-0.228	-1.37	-2.05	-2.722	-0.96
0.381	0.192	0.421	-0.435	-0.354	0.035	0.459	0.096	-0.016	0.724	-0.126	0.278	0.089	0.38	-0.599	1.756	0.755	-0.123	1.102	1.005	0.49	0.689	0.478	1.13	-0.781	0.361	1.221	0.776	0.917	0.406
0.1215	-0.7505	-0.1495	-0.1095	0.1995	-0.2425	0.3435	0.1535	0.1085	-0.1855	-0.3685	0.6535	0.3165	0.3145	0.0855	-0.0355	0.2695	-0.8415	*0.1315*	0.1815	0.0775	-0.2235	0.4795	*-0.5765*	*-0.3995*	*-0.4365*	0.4365	0.5165	*-0.2325*	*0.2565*
-0.8245	*-0.2715*	*-0.8985*	*-0.8955*	*-0.5815*	0.1265	-0.0855	*0.1435*	*0.1585*	-0.1195	0.0205	0.3625	-1.4145	*-1.0855*	0.1935	1.6935	-0.2585	0.6445	0.5485	-0.3005	0.1025	-0.4545	-0.4715	-0.0975	-0.0435	0.0085	-0.4545	0.1345	0.0855	-0.5745
0.089	-0.036	-0.655	-0.055	-0.152	0.001	0.204	0.779	0.921	1.064	0.107	-1.031	-0.233	-0.031	0.203	0.701	0.468	-0.048	-0.019	-0.159	0.417	-0.282	0.463	1.29	2.7	0.666	-0.802	1.405	0.131	0.348
-0.0665	0.0505	-0.1565	0.4545	0.0915	0.0265	-0.0345	0.5025	0.6005	0.3545	0.1365	0.2755	0.2335	0.6215	0.4655	-0.6645	-0.0275	-0.2145	-0.2085	0.3685	0.3365	0.0805	0.0165	0.0675	-0.4145	-0.0945	0.4355	-0.0795	-0.0175	0.1895
0.4705	0.9255	0.6535	0.0245	0.0085	-0.6785	1.0955	0.9115	0.8055	0.9495	-0.3815	-0.6075	0.1135	0.3585	0.7035	0.5065	1.4415	0.4325	1.2345	0.4985	1.1015	-0.1385	0.3535	*0.3655*	0.0895	-0.5005	0.6435	0.8665	*0.2025*	*-0.2525*
1.034	*-0.158*	*0.548*	*-0.469*	-0.009	-0.057	-0.138	*0.62*	*0.578*	*0.216*	-0.062	0.198	0.342	*0.223*	*0.281*	0.771	0.552	0.323	*0.475*	*0.385*	0.354	0.307	0.977	-0.607	2.359	-0.149	2.085	0.263	-0.982	0.597
0.1995	0.6055	-0.3805	0.0275	-0.1685	-0.0385	0.2505	-0.2675	-0.1495	0.2395	-0.4445	0.2345	-0.5035	-0.7885	-0.7785	-0.2135	-0.3265	2.4005	0.1015	0.3485	-0.4885	0.8415	-0.0795	-0.0785	-0.1685	0.0825	-0.5535	-0.3045	-0.2665	-0.4955
-0.66	-0.871	0.201	-0.204	0.402	0.025	-0.049	-0.587	-0.499	-0.012	-0.002	-0.747	1.185	-0.012	-0.085	-0.236	-0.043	-0.012	0.54	0.596	-0.66	-0.09	0.305	0.183	0.008	-0.131	0.037	0.083	-0.209	0.066
0.0145	-0.1875	0.4125	0.0395	0.2175	0.3235	0.7735	0.0145	0.1075	0.5575	0.2905	-0.8365	-0.0305	-0.4375	-0.1705	0.3375	0.7395	0.4875	1.3735	0.9915	-0.2765	-0.3475	0.9075	0.3265	-0.4105	-0.4395	-0.2365	*-0.2435*	*-0.9315*	0.0935
-0.4145	-0.3855	-0.0675	-0.2165	-0.1355	-0.3075	0.0065	-0.0645	*0.0255*	-0.1295	0.0215	-0.1475	*-0.0965*	*0.2505*	0.9155	0.3455	0.3685	0.0595	*-0.1935*	*-0.3495*	0.1505	0.3095	-0.3105	0.4055	*0.3215*	*0.4875*	-0.0795	-0.0405	0.4785	*0.4745*
0.467	0.065	0.133	-0.258	-0.331	-0.298	-0.102	-0.516	-0.502	0.102	-0.399	-0.62	-0.22	0.409	0.4	0.012	-0.162	0.423	1.32	0.439	-0.227	0.256	0.408	0.365	-1.332	0.921	0.098	-0.147	-0.537	0.194
0.137	-0.353	-0.082	-0.299	-0.24	-0.204	0.258	0.307	0.257	0.242	-0.103	-0.586	-0.292	-0.006	-0.03	0.077	0.229	0.102	1.039	0.712	0.161	0.208	0.361	0.572	-0.443	0.139	-0.734	0.207	-0.464	0.495
0.202	-0.568	-0.283	-0.444	-0.427	-0.122	-0.138	0.327	0.316	-0.147	0.263	-0.518	-0.543	-0.371	0.349	0.175	0.236	-0.027	0.69	0.134	-0.067	0.397	-0.067	1.412	0.125	-0.414	-0.19	-0.001	-0.347	-0.407
0.5375	0.3235	0.2975	0.1435	0.4245	0.0945	0.0485	*-0.2345*	*-0.2115*	0.0635	0.2245	*-0.0515*	0.3695	*-0.8615*	*-0.8005*	-0.4335	*-0.9365*	*-0.2825*	*-0.2655*	0.7635	*-0.0495*	0.4545	-0.7265	0.4075	*-0.4825*	*-0.3565*	*-0.1285*	*-0.0335*	*-0.1145*	*-0.1495*
0.138	0.216	*0.673*	*0.879*	*0.022*	*-0.088*	*-0.296*	*-0.003*	*-0.047*	*0.308*	*0.049*	*-0.214*	0.517	*-0.238*	*-0.636*	*-0.595*	*-0.043*	0.446	0.949	0.174	0.606	*-0.657*	*-0.552*	0.079	*-0.328*	*-0.371*	*-0.357*	*-0.541*	*-0.576*	*-0.434*
-0.595	-0.12	0.002	0.379	-0.73	-0.045	0.007	1.672	1.676	0.242	-0.21	0.659	0.874	0.435	-0.009	0.599	-0.41	-0.075	-0.301	-0.479	-0.298	-0.347	-0.396	-0.037	-0.108	0.408	1.923	0.539	0.264	0.887
-0.0995	0.1285	0.1495	-0.2595	-0.4215	-0.1675	-0.2605	0.0755	0.1285	0.1295	0.7375	-0.5985	-0.0105	-0.4085	-0.0955	0.2195	-0.1145	0.6865	0.2575	0.7645	0.2905	0.6555	-0.5395	0.3105	0.1555	-0.6725	-0.1395	0.0505	-0.3055	1.0015
1.4185	0.9875	0.6175	-0.0865	0.8815	0.5625	1.0345	0.2655	0.3035	0.5235	-0.1545	-0.6325	-0.7325	0.7655	-0.4015	0.2925	0.2195	-0.0005	0.9585	*0.2275*	0.5815	0.4275	0.3105	0.0025	*0.0465*	*-0.1325*	*-0.0285*	*-0.6795*	*0.1735*	*0.5675*
3.198	0.447	0.693	*0.324*	*-0.833*	0.348	-0.28	4.694	*4.503*	*1.587*	*0.704*	3.811	0.211	*-0.263*	*0.394*	*4.448*	*-0.646*	*-0.131*	*-0.469*	*0.469*	*0.386*	*0.426*	*-0.841*	3.429	-0.209	3.999	*5.34*	5.055	0.62	4.395

WO 2007/061876 PCT/US2006/044737

Table 18.

9819-0103 LUMINAL	BR02-7054 LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-7048 LUMINAL	BR02-7050 LUMINAL	BR03-7288 LUMINAL	BR95-0184 LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-MI LUMINAL	BR95-0152 LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-0167 LUMINAL	UB78 LUMINAL
-0.606	-0.069	0.185	0.887	0.247	-0.112	0.196	-0.31	-0.288	0.251	-0.851	-0.008	-0.578	-0.677	-0.196	-0.025	-0.273	-0.498	-0.608	-0.97	-0.666	0.159	-0.184	0.433	-0.208	0.699	0.283	0.188	0.112	0.296
0.336	0.387	0.206	-0.359	-0.123	-0.014	-0.474	-0.156	-0.331	0.194	0.367	0.129	-0.316	-0.206	0.664	0.021	0.474	0.451	-0.043	0.031	0.216	0.314	-0.152	0.02	0.746	-0.099	-0.234	0.455	0.05	0.525
-0.1305	0.3065	0.1705	-0.2655	0.4675	-0.1195	0.0325	-0.6325	-0.5295	1.2425	-1.2285	0.8935	0.0375	-1.1945	-0.8835	1.5775	0.1335	-0.7445	0.6935	1.6675	-0.4825	-1.2875	-0.5215	1.3965	-0.7385	-0.3535	1.9665	-0.1445	0.4615	0.1805
-0.035	0.303	-0.451	0.024	0.121	-0.622	0.663	0.099	0.052	-0.165	-0.164	0.108	-0.092	0.215	0.086	-0.162	0.136	-0.698	-0.766	0.357	-0.193	0.196	-0.314	-0.091	0.282	-0.407	-0.533	0.404	0.747	-0.41
-0.528	-0.216	0.309	-0.296	-0.158	-0.194	-0.436	-0.819	-0.617	-0.309	-0.831	0.369	-0.572	-0.071	-0.705	1.009	0.456	-0.088	0.589	0.55	0.45	0.612	0.37	-0.298	-0.01	-0.012	0.344	0.139	0.498	0.291
1.0425	0.1485	-0.2215	0.3495	-0.0295	0.0115	-1.0345	-0.4645	-0.3235	-0.1235	-0.1705	-0.9285	-0.9075	-0.9525	-0.7765	-1.3695	0.0405	-0.0115	0.4455	-0.6775	-0.7895	-0.2485	0.6955	-0.3135	-0.2735	-0.1965	-0.1985	-0.9725	-0.4265	0.4105
0.6775	1.0165	-0.6845	1.2135	1.7825	0.5075	1.4485	-0.5945	-0.6115	0.9485	-3.0615	1.2605	1.1715	0.2765	0.1965	-0.0515	1.2135	-0.4155	0.4495	0.1725	-0.8855	-0.1645	-3.7325	-0.6875	-0.8635	0.3015	-0.6105	0.6625	0.2085	0.7085
0.4265	-0.4145	-0.1475	-0.2615	-0.1595	-0.4645	2.9495	0.8175	0.9845	0.1785	-0.5865	-0.4205	-0.4615	-0.0915	-0.4005	-0.4655	0.3275	-0.4765	1.0565	-1.4625	-0.6985	-0.9195	-0.0145	0.9185	0.0785	1.2185	0.0145	-0.6415	-0.4885	-0.1655
-0.157	-0.831	-0.273	0.683	0.662	0.708	0.267	-1.093	-1.085	0.188	1.081	0.533	0.005	0.154	0.048	-0.426	-0.333	0.212	-1.109	0.584	0.726	0.56	-0.934	0.261	-0.617	-0.846	-0.496	-0.457	0.605	-0.008
-0.715	0.656	0.216	0.019	0.014	0.292	-0.243	0.567	0.595	-0.286	-0.565	-1	-0.038	-0.431	-0.821	0.338	-0.154	0.05	1.302	-0.385	-0.355	-0.524	0.587	0.116	-0.779	-0.587	0.538	0.48	-1.206	-0.239
-0.305	1.957	2.004	0.886	1.503	1.55	1.105	0.776	0.759	0.396	1.323	0.994	2.33	1.371	0.188	0.199	0.758	1.066	0.001	0.09	1.483	0.377	0.402	0.277	-1.227	-1.21	-0.387	0.843	1.179	0.707
-0.777	0.728	1.683	-0.392	-0.822	1.058	-1.627	0.278	0.298	0.538	0.458	1.11	0.068	1.213	3.962	2.698	-0.235	2.697	1.608	1.138	1.01	1.188	0.404	0.398	0.988	-0.017	2.755	1.228	-0.467	1.368
-1.339	-2.475	-0.855	-1.551	-1.289	-0.651	-2.306	-1.143	-1.095	-1.416	-0.362	-0.485	-0.943	-0.172	0.137	0.192	-0.029	0.987	1.448	0.957	0.061	-0.015	1.151	0.814	1	0.138	0.515	0.638	1.041	1.713
0.139	0.096	-0.927	-0.301	-0.161	-0.356	-1.498	-0.602	-0.565	-1.145	-0.494	0.273	-1.304	-2.407	-2.511	-2.075	-0.273	-1.699	0	-2.233	0.023	-0.933	-0.581	0.002	0.846	-1.137	-1.847	-1.149	-2.226	-1.157
0.128	-0.095	0.38	0.213	1.036	-0.054	-0.01	-0.402	-0.385	0.438	-0.065	0.277	1.227	-0.898	-0.542	-0.525	1.162	0.01	-0.068	0.588	1.084	-0.362	-0.687	0.667	-0.088	-0.034	0.313	0.073	1.249	0.196
0.0855	-0.3015	-0.1965	-0.0735	0.5015	-0.1585	-0.6215	0.2015	0.3115	-0.2385	0.2075	0.0145	0.2555	0.5015	-0.0945	1.2665	-1.2695	1.1115	-0.2645	1.5875	0.7255	2.0605	0.1105	0.1905	-0.2385	0.0235	0.1425	-0.2265	0.7915	0.1965
0.7535	0.4715	0.6375	0.6325	-1.4575	0.4615	-1.4335	0.7545	0.7995	-1.4225	-0.6215	-1.6015	-2.1725	-2.0915	1.3095	-1.7985	1.2775	1.1425	-3.1275	0.7605	-1.8465	-1.7115	-1.9115	1.2655	1.1885	-1.6575	-0.7225	-1.3285	-1.0735	1.0555
0.0605	-0.1225	-0.1065	0.1135	0.2095	0.2575	0.1915	1.1625	0.6435	0.2985	-0.0595	0.5335	0.1555	-0.1235	-0.2155	0.5295	-0.1685	-0.0025	-0.0825	0.6155	0.0845	-0.0945	0.2805	0.2625	-0.1295	-0.2295	-0.0145	-0.1455	-0.0305	0.9495
-0.2455	0.1215	-0.0655	-0.2435	-0.1935	0.0015	0.2965	-0.2755	-0.1605	0.4555	-0.3955	0.4365	-0.2615	0.3855	0.7935	-0.0465	0.5715	0.8085	-0.6585	-0.1785	-0.3855	0.3065	0.2495	-0.0965	0.3295	1.2945	0.0645	0.4975	0.1815	1.2225
0.2425	-0.0615	-1.1675	-0.2275	-0.3515	-0.2415	-0.0125	0.5095	0.4975	-0.5325	0.7355	0.1555	-0.7225	0.0975	-0.3615	0.7705	0.3585	-0.2495	-0.7375	-0.7355	-0.2015	-0.2435	0.3865	0.7805	0.5795	-0.5495	0.5535	-0.6915	-0.4935	0.1155
0.246	-0.313	-0.507	2.028	2.631	0.838	-0.228	2.954	2.644	3.726	-0.39	0.436	1.912	1.471	-0.088	2.793	1.183	0.374	1.394	1.902	-0.311	1.292	-0.214	0.012	-0.42	2.916	2.893	1.528	-0.606	0.437
-1.239	-1.137	0.835	0.082	0.491	0.655	-0.002	-1.236	-1.14	-1.49	-0.367	-1.439	0.822	1.345	-0.295	-1.454	-0.72	1.128	-2.382	0.908	-0.714	0.228	-0.008	-0.989	-0.815	-1.693	-1.093	-1.3	-1.302	-0.604
0.1695	-0.4335	-0.6125	-0.0145	0.0605	-0.0325	0.0295	-0.4985	-0.5555	-0.0485	-0.4815	0.6635	0.6335	0.8085	0.0015	0.2025	0.2335	0.2855	0.3305	-0.8955	1.3115	0.4935	0.3375	-0.0255	0.0055	0.4365	0.1835	-0.3745	-0.0005	0.7175
0.289	0.782	0.038	-0.19	-0.164	-0.143	0.346	0.981	0.974	0.535	0.427	0.359	0.139	0.157	0.252	1.066	0.847	0.014	0.421	0.031	0.644	-0.841	0.781	0.206	2.795	1.045	-0.654	1.555	0.534	0.527
-0.8045	-0.4655	-0.1275	-0.5345	-0.3255	0.0465	-0.2885	0.0445	-0.0505	-0.4635	-0.4745	0.5945	-0.6345	-0.2205	-0.4525	-0.9975	-0.1365	-0.1375	-1.0555	-0.6355	-0.6195	-0.1345	-0.3585	-1.5905	-0.9795	-1.2365	-1.3745	-0.9545	-1.2075	0.3335
0.218	-0.081	0.008	-0.115	-0.018	0.055	1.059	0.933	0.909	0.044	0.697	0.903	0.624	1.464	0.99	0.23	0.54	0.37	0.571	1.12	1.073	0.868	0.505	0.351	-0.425	-0.263	0.415	0.527	1.072	0.554
0.896	0.202	0.394	0.19	-0.098	0.204	0.33	-0.632	-0.655	0.612	-0.716	0.908	0.506	0.3	-0.945	0.613	0.487	-0.24	1.014	0.907	0.468	0.419	0.532	0.642	-0.246	0.288	1.242	-0.248	-0.257	1.422
0.2975	-0.3415	-0.1765	-0.2945	0.4145	-0.3055	0.5045	-0.0735	-0.0825	0.3745	0.0085	0.4915	0.3675	0.0475	0.1925	0.4155	0.4605	0.1395	1.5185	0.5815	1.3275	0.5095	0.4835	0.7075	-0.2605	0.4905	0.4625	0.4785	-0.0605	0.4285
0.388	0.098	-0.086	0.192	-0.134	-0.266	0.001	1.614	1.401	0.398	0.167	-0.263	-0.529	-0.062	0.26	-0.322	0.502	0.042	0.314	0.326	0.158	0.652	-0.235	-0.095	-0.193	-0.447	0.078	0.223	0.188	0.3
0.141	0.387	0.205	-0.057	-0.314	-0.266	0.103	1.044	0.884	0.676	-0.184	0.084	-0.21	0	-0.087	-0.125	0.453	0.213	1.225	0.73	-0.22	-0.024	0.318	0.153	0.189	-0.263	0.089	0.315	-0.063	-0.01
0.3445	0.4115	0.6425	0.1915	-0.0575	0.2625	0.1805	0.4395	0.4135	0.3345	-0.1325	0.0705	0.0895	0.1955	-0.6605	0.2995	0.1175	0.3145	0.7545	1.3255	-0.0475	-0.3865	-0.1495	-0.3295	-0.4225	-0.5995	0.2635	-0.1335	-0.6615	0.6255
0.7245	0.9855	1.0685	0.0055	0.1935	-0.1605	0.1635	0.0945	0.1925	0.6585	-0.0505	0.3245	-0.2035	-1.1585	-0.0135	-0.3735	-0.0625	0.5305	2.0515	1.8035	3.0255	-0.0395	0.1985	-0.2825	0.2885	-1.0585	-0.8455	0.3585	-0.2055	3.2285
0.8005	-0.3255	0.0555	-0.4885	-0.4615	-0.1315	0.1155	0.7065	0.4555	0.3495	-0.4305	1.0975	0.4365	0.0805	-0.4825	2.8715	0.5835	-0.2755	1.8315	2.0155	0.1985	-0.4375	1.4575	1.7175	-0.1405	0.4235	1.5275	0.1125	0.3405	0.8795
-1.6025	-0.9435	-1.4235	-1.3985	-0.6075	0.1535	-2.6325	-0.1455	-0.0265	-0.8275	-1.2685	0.0415	-0.3335	0.4265	-0.1075	0.9915	0.2375	1.3725	2.2435	0.5805	-0.4265	0.1225	0.0825	0.1015	-0.0835	0.1045	1.0885	0.3565	0.2705	0.8235
-0.139	-0.006	-0.444	0.543	0.035	0.266	-0.253	-0.458	-0.364	-0.001	-0.198	0.036	-0.689	-0.621	-0.319	-0.523	-0.251	-0.213	-0.516	-0.788	-0.318	-0.119	0.163	-0.31	-0.001	0.355	-0.796	-0.911	-0.675	-0.398
1.284	-1.209	-0.727	-1.176	-0.654	0.788	-0.977	1.828	1.727	1.861	-1.022	0.441	0.562	0.791	-1.419	3.609	3.449	1.82	2.069	4.854	3.187	2.28	3.776	-0.534	-0.001	2.078	0.802	0.244	0.001	0.611
-0.6005	-0.2775	-1.1365	0.1825	-0.6185	0.0285	-0.2325	1.4575	1.2165	0.0955	-0.2285	-0.8315	-0.3345	-0.3115	0.7865	1.4325	-0.3855	0.4925	1.0065	1.7855	0.3925	0.7405	0.3665	1.3195	0.1115	-0.6975	-0.9495	-0.8335	-0.2855	0.9975
-0.0945	-0.3655	-0.1515	0.3745	0.1445	0.1845	-0.9635	-0.1155	-0.1155	0.4245	0.0245	-0.5225	-0.0705	-2.1225	-1.0705	-0.2645	0.2815	-0.1605	0.5045	-0.8155	0.0155	-0.7365	-0.3965	-1.0355	-0.2655	0.1025	0.8285	0.3665	-0.1265	0.1245
-0.507	0.891	1.524	0.009	0.534	0.758	-0.908	-1.32	-1.393	0.45	-1.028	1.477	-0.977	-0.113	-0.333	-0.201	0.775	1.44	-0.399	-3.403	0.34	-1.114	-0.127	0.992	-1.275	-0.608	-0.412	-0.322	-2.357	-0.737
-0.8785	-0.1065	-0.6755	-1.1655	0.2245	-0.5225	-1.3635	-0.5215	-0.4925	-1.3285	-1.2685	-0.7695	-0.4135	0.3785	-0.4775	-1.2795	-1.7765	-1.1285	-2.8275	-0.7925	-2.2515	-1.9605	-1.8645	-0.8835	-0.9555	-0.9465	-0.3985	-0.1625	-2.1025	-0.2455
0.206	0.655	0.548	0.269	0.37	0.202	-0.128	0.241	0.215	0.847	-0.581	1.337	0.481	1.855	1.087	0.467	1.484	1.221	0.51	0.305	0.278	-0.029	0.764	0.402	1.433	0.65	0.783	-0.034	-1.388	0.151
-0.1435	0.3105	0.0855	0.3635	-0.1685	-0.0035	-0.3205	0.2385	0.3125	0.9355	0.3535	-0.4195	-0.0785	1.8505	-0.0625	-0.5575	0.1205	-0.0685	1.0065	1.0905	-0.3275	0.5215	0.0405	0.0005	0.9685	-0.7985	0.3005	0.3445	0.0355	0.4905
0.2065	0.0545	-0.1365	0.0475	0.2215	-0.3125	0.0825	-0.1305	0.0105	-0.0845	-0.0245	0.2055	-0.0565	-0.0635	0.2135	0.1605	-0.0225	0.1345	-0.4495	-0.2095	0.2355	-0.3445	0.0175	0.3665	0.1315	0.1725	1.3015	0.0465	-0.4615	0.1445
-0.1585	-0.1245	-0.5195	-0.1625	-0.3075	0.1745	-0.3325	1.1415	1.1225	-0.1635	0.1145	-0.3665	-0.7645	0.1085	-0.2545	1.0105	0.0925	0.1235	0.4855	-0.3775	0.1195	0.1085	1.1265	0.6735	2.6225	1.6945	-1.1985	0.7245	-0.4105	0.5635
-0.1535	0.1625	-0.4155	-0.1455	-0.3815	0.0765	0.0505	1.2975	1.4765	0.2585	0.1295	-0.7615	-0.8965	-0.2885	-0.1755	0.8555	0.2225	0.1975	0.7615	0.1845	0.5285	0.1345	0.9845	0.7035	2.4715	1.6315	-1.5335	1.1315	-0.5815	0.4445
0.02	0.239	0.322	-0.11	0.689	-0.492	0.924	0.85	0.779	0.653	0.222	0.312	0.433	0.759	1.01	0.463	0.808	0.226	0.62	0.358	0.735	0.174	0.293	0.063	-0.066	0.16	0.664	0.765	0.207	0.307
-1.1905	0.0765	0.1145	2.7595	0.1205	0.0765	3.7395	0.9525	1.1995	2.4215	-2.0715	2.5445	2.2665	3.3385	0.6995	0.5475	1.6355	1.4935	-0.6365	0.3975	1.7755	0.3695	0.8815	0.4385	-0.7545	0.9985	0.9195	2.1765	-0.5255	1.9845
0.0675	-0.0095	0.5545	-0.0295	-0.1695	0.1205	-1.4705	0.3105	0.2605	0.8205	0.7005	-0.5475	-0.7595	-2.4205	-1.0675	-1.0335	-0.1225	0.0985	-1.0195	1.2605	-1.3085	-0.4595	-1.2785	-0.9695	-0.2595	0.1205	1.2435	-0.0025	-1.0595	-0.8095
0.529	-0.389	-0.055	-0.053	-0.445	-0.291	0.64	-0.141	-0.162	0.096	0.527	-0.554	-0.182	-0.441	-0.236	-0.111	0.225	-0.208	1.072	0.341	0.097	0.522	-0.249	0.209	0.332	0.5	0.024	-0.215	0.477	-0.208
0.0105	-0.1705	0.3735	-0.0645	-0.1215	0.2645	-0.0315	-0.0455	-0.0235	-0.1675	-0.1035	-1.1095	-0.3725	-0.2015	0.5325	0.1515	-0.0075	0.4955	0.5715	0.5045	0.2205	0.6735	-0.2065	-0.1125	-0.1035	-0.5575	-0.5185	0.3405	0.5565	-0.1225
-0.5165	-0.2895	-0.5295	-0.3935	-0.4615	-0.4145	-0.2855	1.1705	1.3675	-0.2295	-0.4365	1.5495	2.0775	0.0445	-0.2905	2.0495	-0.5315	-0.3545	-0.6385	-0.5555	-0.3915	-0.1485	-0.4705	0.1565	-0.0385	0.5765	3.2345	0.2815	1.9935	0.9315
-0.6225	0.6165	0.3705	0.2215	-0.6495	-0.4705	-1.2945	-0.4935	-0.3855	-0.0045	-0.6985	-0.4935	-0.3135	-1.0215	-0.6635	-0.5795	-0.9955	-0.1235	-0.0735	-0.0225	-0.3455	-0.3235	-0.4985	-1.6915	-1.2315	-0.9255	-0.9385	-0.8035	-0.8475	-0.9535
0.2605	0.5205	0.2085	0.2215	0.3325	0.0025	0.4435	0.1205	0.1575	0.3625	0.2775	-0.0985	0.1255	-0.3565	0.0055	-0.0545	0.0925	0.1305	0.4055	0.6065	0.6085	0.2275	-0.8465	0.2175	-0.1295	-0.4115	-0.3415	0.4955	0.4175	0.2695
-0.696	-0.519	-0.181	-0.428	-0.644	-0.517	-0.686	0.166	0.261	-0.663	-0.562	1.097	0.801	-0.51	-0.191	0.616	-0.71	-0.464	-0.569	0.127	-0.413	-0.452	-0.689	0.263	-0.119	0.745	1.331	0.102	1.176	0.492
0.121	0.181	-0.452	0.059	-0.269	-0.782	1.854	1.492	1.208	0.754	0.402	1.371	0.229	0.559	-0.274	-0.226	0.239	1.477	-0.224	1.564	0.629	0.12	0.071	0.724	2.305	-0.115	1.2	-0.277	0.057	-0.794
-0.69	-0.042	-0.188	0.259	-0.665	0.11	-0.308	1.476	1.618	0.408	-0.668	0.845	0.549	-0.06	-0.887	0.81	0.048	-0.041	-0.647	-0.238	-0.398	-0.745	-0.149	0.028	-0.28	1.357	2.223	0.589	0.208	0.435
-0.9585	-0.7085	-0.1175	0.5735	0.5485	-1.5415	-0.2445	0.9345	0.9295	0.3905	-0.8525	0.1915	-0.4595	-1.3915	-1.1725	1.2315	0.4855	0.4665	-1.0025	-0.5295	-0.7775	0.8085	-0.0135	-0.9835	0.6885	1.1935	1.5215	0.5885	0.7965	0.2875
-0.853	-0.003	0.003	0.827	-0.175	0.707	-0.391	0.331	1.013	-1.168	-0.581	0.047	1.853	-0.343	0.129	-0.324	-0.55	0.869	-0.222	-0.763	-0.803	0.227	-0.935	-0.934	-1.134	1.01	0.201	-0.182	-0.672	0.037
0.3475	-1.6905	0.3335	-1.5125	-0.9545	-0.9545	2.7545	2.3675	2.4215	0.9835	-1.0105	-0.9265	-0.9955	0.2025	1.7775	1.3555	-1.2695	-0.6265	1.6515	2.7665	-0.0215	0.5835	0.8565	1.0555	2.2665	0.7635	1.5955	2.0125	2.1585	0.5545
-0.2	-0.489	-0.941	0.447	0.048	-0.542	0.309	0.232	0.209	0.194	-0.157	0.34	-0.925	-1.414	-1.23	-0.54	-0.887	-0.448	0.028	0.076	0.355	-0.779	-0.368	0.221	0.524	-0.308	1.089	-0.459	-0.973	-0.486
0.5395	-0.0505	-0.2475	0.8025	0.6045	0.0105	-0.7445	-0.5645	-0.6395	-0.5595	-0.3435	-0.1325	-0.8455	-0.7595	-0.6975	-0.9565	-0.7345	-0.4735	-1.1345	-0.8305	-0.4795	-0.6965	-0.7405	-0.4545	0.2145	-0.4435	-1.3155	-0.9555	-0.9405	-0.5705
-2.6475	-0.8605	-0.8675	-0.4145	-1.6845	-0.7305	-1.5985	1.5945	0.6895	-0.3655	-1.1885	1.8525	1.2635	-1.0235	-2.1165	0.7975	-2.7735	-1.0265	-1.8545	-1.8745	-2.7545	-2.2015	-0.8475	1.0495	0.3315	1.0545	1.9665	0.4465	1.1325	0.6605
-0.5745	-0.3295	-0.4335	-0.2345	0.3505	-0.1985	-0.3015	-0.2365	-0.1975	-0.2685	-0.5895	0.5565	0.4175	0.6835	0.5445	0.4975	-0.0895	-0.1695	-0.8035	0.1165	-0.1315	0.1875	0.4245	0.4135	0.0235	0.4025	0.1125	0.2285	-0.0185	0.5995
-0.2135	-0.0665	-0.1135	0.0665	-0.0835	-0.0205	0.0665	-0.3305	-0.3385	-0.3195	-0.0925	0.6905	-0.1395	0.1265	0.2215	0.0135	-0.1585	-0.0925	-0.1075	-0.0165	-0.0535	0.1945	-0.0705	0.3555	0.0945	0.2975	0.0975	-0.1075	-0.0195	-0.3115
0.46	1.203	2.067	-0.646	-0.166	0.931	-0.458	1.265	1.06	0.503	2.348	0.155	1.138	2.127	1.211	0.268	1.391	1.731	-2.034	0.227	0 022	1.468	-0.515	-0.466	-1.658	-0.987	2.518	2.057	-2.972	0.851
-0.027	-0.275	-0.382	0.395	0.038	0.019	0.004	-0.32	-0.215	0.129	-0.923	0.1	0.127	-0.037	-0.041	0.14	0.252	0.023	0.143	-0.236	-0.217	-0.273	-0.217	0.775	0.111	-0.049	0.081	0.145	0.043	0.151
0.761	-0.346	-0.076	-0.055	0.537	0.177	1.525	0.002	-0.046	0.885	-0.186	0.244	0.708	0.51	1.112	1.649	1.001	0.302	-0.668	0.754	1.414	0.677	1.035	1.174	1.75	0.386	0.54	0.451	-0.269	1.344
0.5185	0.0855	0.0995	-0.1105	1.0935	0.8805	1.1325	1.3605	1.2815	0.4705	1.1895	0.7725	0.7275	1.4775	1.4445	1.2685	0.3165	0.9085	1.0455	1.0205	1.2675	1.3375	1.9235	0.7325	0.2105	0.5155	0.1905	1.4785	1.4075	2.1735
1.206	-1.011	0.07	-0.889	-0.159	1.53	1.727	2.037	1.547	-0.087	0.225	0.265	0.054	-0.063	0.479	0.203	0.068	1.065	-1.224	0.08	1.371	0.666	-0.725	0.476	1.334	-0.025	0.81	-0.277	-0.151	-0.303
0.293	0.544	0.045	0.204	0.051	-0.178	-0.5	0.477	0.489	0.707	-0.884	-0.324	-0.514	-0.764	-1.254	-0.91	0.033	0.238	-0.029	0.315	-1.107	-0.784	-0.359	-0.84	-0.697	-0.816	-0.428	-0.665	-1.013	-0.343
0.0855	0.2435	0.5525	-0.3205	-0.3295	0.0095	0.0575	0.1835	0.1455	-0.0845	-0.1505	-0.4575	0.5595	-0.5115	0.3185	0.6455	0.0485	0.3885	0.2555	-0.4325	0.0725	0.6095	-0.0865	-0.5995	-1.1625	-0.3135	0.1695	0.4015	0.4445	-0.3045
1.1785	1.8125	0.1705	-0.8905	-1.3945	1.3165	4.2235	2.3375	2.3505	1.1945	-1.9145	1.3925	2.7955	3.0855	2.7595	1.2935	0.6425	2.9265	0.6745	-0.0245	1.3295	-1.5235	0.0515	-1.5565	-1.6935	-2.3975	-0.0745	0.4555	-1.1365	-0.9675
-0.039	0.784	0.047	0.165	0.221	0.023	-0.143	0.478	0.464	0.423	-0.421	-0.121	0.166	-0.026	-0.167	0.011	0.235	0.061	-0.376	-0.164	0.48	0.22	0.798	-0.231	-0.557	-0.523	-0.102	-0.289	-0.544	0.416
0.5545	-0.1375	-0.2725	0.0705	-0.6315	-0.0725	-0.0385	-0.3015	0.0545	-0.0225	-0.4565	-1.1545	-0.5015	0.0755	-1.0765	-0.2845	-0.5275	-0.9325	0.4415	-0.8785	0.0895	-0.1245	0.4585	-0.2535	0.2895	-0.3255	-0.8445	-0.0295	-0.7935	-0.1655
0.366	0.354	-0.927	2.797	3.677	0.978	-1.039	3.051	2.683	3.473	-0.637	0.345	1.796	1.201	0.122	3.155	1.946	1.293	1.685	2.278	-1.295	3.228	-0.246	0.182	-0.844	3.001	2.912	2.418	-1.233	1.292

Table 18.

9819-0103 LUMINAL	BR02-7054 LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-7048 LUMINAL	BR02-7050 LUMINAL	BR03-7268 LUMINAL	BR95-0184 LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-MI LUMINAL	BR95-0152 LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-0167 LUMINAL	UB78 LUMINAL
0.449	-0.263	0.331	-0.862	-1.172	-0.844	1.356	2.066	2.076	1.501	0.302	-0.158	-0.55	0.475	1.133	1.157	-0.107	-0.431	0.643	2.235	-1.127	0.361	0.539	0.606	0.282	1.199	1.755	1.107	1.449	1.176
-0.4115	-0.1405	-0.3945	-0.9535	-0.7665	-0.2285	0.4235	0.4885	0.5305	-0.5145	0.5515	-1.8085	-0.8745	-0.7675	-0.2495	0.6265	0.9685	0.2585	1.8595	0.7035	0.0365	0.4315	-0.2135	0.4385	-1.0455	0.1615	0.5865	-0.4405	-1.0375	-0.2215
-0.609	-0.834	0.295	-0.322	0.193	0.299	-0.098	0.05	0.146	-0.256	-0.652	0.148	-0.567	-0.758	-0.148	0.268	-0.06	0.37	0.135	-0.128	-0.424	-0.482	0.705	-0.527	-0.341	0.281	0.389	-0.276	-0.621	0.027
0.2695	-0.7835	0.5585	-1.1505	-1.2465	-1.0325	2.0825	1.4235	1.6695	0.9595	0.3275	-0.4145	-0.8495	0.4085	1.4055	0.8055	-0.4155	-0.5655	0.3795	2.0645	-1.5085	0.8595	0.5175	0.4705	0.0145	1.0435	1.5315	1.2825	1.5475	0.6565
-0.027	-0.391	0.401	-0.038	-0.172	-0.062	-0.818	0.503	0.569	-0.999	0.819	-0.788	0.05	-0.816	0.294	-0.317	-0.365	-0.183	-1.083	-0.681	-0.241	2.998	-0.406	2.717	0.089	0.027	4.267	2.397	2.294	0.931
-0.1205	-0.7995	-0.5385	0.0965	-0.4985	-0.4965	-0.3515	0.9345	0.9715	-0.1715	-0.3945	2.7085	1.9275	-0.5085	-0.7055	1.8755	-0.6685	-0.4495	-0.6005	-0.5065	-0.6405	-0.6245	-0.2795	-0.0045	0.0175	0.2975	1.7305	0.5435	3.3015	0.8945
0.9315	0.3175	0.0215	0.1155	-1.1405	-0.0735	2.5005	2.2305	2.2235	1.4845	1.1765	-1.0815	0.0405	0.3805	0.6075	2.5855	0.2565	1.4905	1.4015	3.4355	-1.1355	-0.2775	1.0695	-0.9665	0.2445	2.5265	1.9205	0.7995	1.2045	0.0065
1.4995	-1.1015	0.0425	-0.7345	-0.3445	-0.0895	3.1135	1.0875	1.0885	0.5375	-0.1125	-0.6105	-0.9685	1.0455	1.8125	2.3825	-1.6845	-0.3855	1.3965	1.5945	-1.4115	0.3515	0.5835	1.3235	0.3755	1.9975	1.2245	2.2805	1.9805	0.8095
0.4795	-0.5655	0.4045	-0.8375	-0.9995	-0.7375	3.5505	1.6305	1.6565	1.2465	0.2795	-0.1495	-0.7875	-0.1015	0.8415	0.8435	-0.6165	-0.4125	1.0355	2.9725	-1.4405	0.7135	0.0715	0.7805	0.1205	1.0855	1.0925	1.8215	1.3945	0.8905
0.2045	0.6995	-0.3515	0.6175	0.8975	-0.2655	-0.1045	0.7975	0.8355	1.1005	1.0725	0.4865	0.1895	0.7505	0.3485	-0.5085	0.0085	-0.0495	2.1045	-0.1395	0.1155	-0.2545	1.0055	0.0605	-0.4985	0.2075	0.8725	0.4765	0.5575	-0.6295
-0.033	-0.133	0.381	-0.646	-0.858	-0.731	2.552	1.397	1.298	1.147	0.435	0.023	0.176	0.126	0.782	0.926	-0.189	-0.195	0.576	1.639	-0.501	0.412	-0.104	0.239	-0.112	0.872	1.394	1.06	1.15	0.227
0.8215	0.1405	0.9265	-0.0435	-0.4655	-0.7275	3.2185	1.9985	1.9595	1.7605	0.2075	-1.6945	-1.4105	-0.0895	0.5775	0.3785	-0.1745	-0.8475	0.3375	2.5675	-1.4795	1.5305	0.1195	-0.0135	0.1145	-0.8365	0.6675	0.8425	1.8265	0.4205
0.1015	-1.7705	-0.6425	-0.4335	-0.2185	-0.1175	0.0675	-0.6215	-0.4255	-0.7795	0.5015	-0.6115	-0.2715	1.0245	0.5235	0.1705	-0.6295	0.1285	-0.1115	0.0115	0.4355	0.9825	-0.5955	0.2965	-0.2105	0.6775	-0.1365	-0.1185	1.4885	0.0395
-0.3715	-0.6975	1.5145	-0.6395	-0.8435	-0.5275	4.9095	1.2885	1.2845	1.3415	0.9545	-0.2685	0.0975	0.9525	1.5245	1.5365	0.2425	0.2175	1.2175	2.8045	-1.5125	0.5365	0.4685	1.1435	-0.6915	1.9105	1.6285	1.9385	1.5185	-0.1105
1.3955	0.1015	1.0065	0.6025	0.4765	0.6825	-0.0115	0.9675	0.9425	0.0785	0.7775	0.3735	-0.0135	3.3355	0.3855	1.1075	0.2605	0.2925	-0.2595	-0.3145	0.1095	0.5695	1.8935	0.4245	0.2085	2.4885	0.3745	1.4305	0.5375	0.3575
0.871	0.575	1.063	-0.444	-0.514	-0.59	-1.042	1.343	1.288	-0.957	-1.085	0.003	-0.174	0.153	1.483	-0.386	1.299	0.393	-0.911	-0.709	-0.814	-0.022	-0.395	-0.544	0.317	-1.393	0.503	-0.24	-0.551	0.417
-0.255	-0.6	-0.132	-0.079	0.2	-0.114	0.242	-0.095	0.194	-0.25	-0.046	0.105	0.032	0.439	0.206	0.2	-0.018	-0.217	-0.393	-0.406	0.218	0.111	0.088	0.222	0.316	0.29	0.514	-0.476	-0.082	0.214
-0.731	-0.284	-0.513	-0.119	-0.438	-0.03	-0.476	0.252	0.31	-0.243	-0.428	2.533	1.615	-0.013	-0.723	1.293	-0.757	-0.636	-0.576	-0.284	-0.544	-0.586	-0.388	0.405	-0.038	1.563	2.325	-0.04	-0.021	0.39
0.5755	-0.5855	0.4275	-1.0015	-0.9945	-0.8695	1.8405	1.5875	1.5225	1.0685	0.3655	-0.2225	-0.7315	0.5055	1.4275	0.9125	-0.3045	-0.4425	0.5655	2.1085	-1.2245	0.7155	0.4645	0.7135	0.0705	1.1965	1.6735	1.2765	1.2785	0.9455
-0.0005	-0.7725	-0.2895	0.3365	-0.0455	0.2165	1.3295	-0.0315	0.1315	-0.0595	0.0845	-0.0745	0.3465	0.1845	0.7395	-0.2735	0.6825	-0.2175	3.0065	1.0135	0.5535	-0.0715	-0.5425	-0.3265	-0.0575	-0.2025	0.9925	0.5395	0.7825	-0.4705
-0.547	-0.267	-0.058	-0.054	-0.27	-0.214	-0.228	-0.371	-0.482	-0.517	0.073	0.063	0.202	0.426	-0.004	-0.003	-0.47	-0.52	-0.113	-0.436	-0.063	-0.157	-0.04	0.704	0.034	0.672	0.565	0.131	0.224	-0.017
0.2075	-0.2845	-0.0775	0.3035	0.0145	0.5395	0.3745	-0.2605	-0.6355	-0.1475	-0.1695	-0.0705	-0.1045	-0.1995	0.1275	-0.1515	-0.4675	0.1935	-0.4025	-0.0835	-0.0125	0.1745	0.3445	0.6605	-0.2295	-0.6085	0.0645	-0.1185	0.3395	-0.0685
0.8475	0.1705	0.3615	-0.1965	1.1135	0.6585	-0.9435	0.8935	0.8425	0.1445	2.0605	-1.0305	-0.5735	1.0545	-0.3975	1.8135	-0.7845	0.4095	-1.4485	-0.0765	-1.0835	-1.0525	-1.1135	0.1095	0.4655	-0.6895	-0.9215	-0.6855	-0.6645	-0.9335
-0.7855	0.4355	-0.0605	0.3575	0.6705	0.1055	-0.1485	-0.2765	-0.1695	-0.0495	0.1975	-0.6655	0.2795	-0.7985	-1.2435	-1.4375	-1.3145	-0.3045	0.0145	-1.4145	-0.7625	-1.0135	-0.9255	-0.0795	-1.0465	-0.2125	0.1245	0.0025	-0.5445	0.5605
0.2495	-0.5115	-0.1795	-0.0715	0.7275	-0.1485	0.1595	1.2275	1.2605	0.4495	1.1105	1.0395	-0.2365	1.4135	0.8065	0.9325	-0.1495	-0.3215	0.2935	0.5035	-0.6725	0.0285	0.7995	-0.0715	-0.0195	0.9875	0.5075	-0.2005	0.5435	-0.0075
0.68	-0.48	-0.034	0.909	0.546	0.65	-0.687	0.29	0.196	-0.269	-0.594	0.104	0.869	-1.019	-0.739	-0.802	-0.05	-0.092	0.151	0.299	-0.139	0.413	-0.033	0.33	0.425	-1.54	-0.142	-1.05	-0.918	-0.418
0.986	0.766	0.523	0.691	1.146	-0.299	1.001	0.273	0.306	0.067	0.54	1.181	-0.526	-0.228	-0.523	0.981	0.983	0.555	-0.249	0.695	0.761	-0.447	-0.724	-0.065	0.424	0.107	0.723	-1.197	0.029	0.553
-0.0375	0.2365	-0.0665	0.0455	-0.1475	-0.8045	1.6875	1.1725	1.1395	-0.4555	0.7275	0.0015	0.3765	0.1735	0.0885	0.1365	-0.0625	1.0545	-0.2105	1.2945	0.8155	0.4275	0.4215	0.9395	2.2245	0.1375	1.5815	0.1675	0.8415	-0.4975
-0.2245	0.4205	-0.1715	0.1445	0.3755	0.0595	-0.1495	0.7165	0.7605	0.7445	-0.2985	1.0785	0.0105	0.1005	0.6565	0.6785	0.8225	0.1555	-0.4505	1.2305	0.2285	0.5955	1.2515	0.7625	-0.1525	-0.1525	-0.5615	0.3805	0.7015	0.2925
1.1515	1.5365	1.5885	-0.0755	0.1935	-0.2725	1.5295	2.3345	2.2205	1.7825	-0.2605	1.4485	0.8715	1.3785	0.8515	1.9925	0.7325	1.1225	0.5415	0.8145	2.1675	0.5775	0.5065	0.3185	0.6295	-1.1685	1.0215	1.2375	1.5995	0.2455
0.8075	1.2485	0.6515	0.2665	2.0645	0.6025	-0.8455	0.5685	0.6305	0.2575	0.1935	0.3655	0.4625	0.4025	-0.7755	0.2615	-1.2505	0.1035	-0.0635	-0.2005	-0.7155	-0.6755	-0.4785	-0.5625	-0.3085	1.0015	0.3155	-0.7075	0.1735	-0.7445
1.742	-1.029	0.591	-0.223	1.617	0.862	-1.629	0.047	0.094	0.974	-2.922	-0.952	0.927	-0.552	0.848	-0.699	1.855	1.464	-1.181	-1.277	-1.681	-1.647	0.026	-2.851	-3.57	-2.291	-0.228	-2.283	-3.227	-1.271
4.605	-1.021	0.95	2.258	2.017	1.066	-0.72	0.833	0.68	0.383	-0.532	-0.036	4.825	3.025	-0.267	-0.3	-0.53	-0.143	2.399	-0.46	1.548	-0.733	-0.571	-0.911	-0.752	-1.162	-0.677	0.273	-1.03	2.517
0.1255	-0.3505	0.1835	-0.3175	-0.3775	-0.1585	-0.3885	0.0895	-0.1035	-0.3215	-0.0185	0.3265	0.1555	-0.4575	0.3915	0.3595	-0.1545	0.0715	-0.0055	0.0575	0.0885	0.1775	-0.0325	0.1155	0.0185	0.4205	0.6215	0.2365	0.3415	-0.0015
-0.102	0.268	-0.039	0.72	0.048	-0.313	1.282	1.643	1.725	1.131	3.028	-0.343	-1.277	0.779	0.278	-1.395	1.651	-0.639	-0.885	3.975	-0.525	3.219	1.371	3.857	0.301	0.207	-0.142	1.128	3.405	1.404
0.456	0.032	-0.497	-0.369	-0.284	-0.206	-0.039	0.879	1.001	-0.085	0.643	-0.656	-0.222	0.104	0.44	0.607	-0.13	-0.46	0.304	0.4	-0.387	-0.644	-0.08	0.209	0.087	0.406	1.124	0.453	-0.127	0.128
2.2025	-0.9505	1.9965	0.4225	-0.2655	0.8495	-0.3515	-0.2485	0.2035	0.2115	-0.1505	2.1095	-0.5445	-1.0715	1.9045	1.3435	-0.7845	2.0855	2.2595	2.6835	-0.1525	0.5635	1.1155	-0.0025	2.6955	-0.3675	-0.7635	-0.5425	-0.3555	0.3455
0.235	0.447	-0.126	0.228	0.486	0.099	0.062	0.081	-0.044	0.277	-0.24	-0.452	-0.05	0.092	-0.111	-0.207	-0.051	-0.044	0.011	0.08	-0.194	0.027	-0.237	-0.179	0.034	-0.119	0.223	-0.117	0.102	0.021
1.859	-0.061	0.114	-1.164	-1.217	-0.432	3.889	1.258	1.238	0.538	-0.124	-0.728	-1.079	1.189	2.348	2.867	-2.059	-0.318	1.665	2.035	-1.71	0.444	0.839	1.562	0.45	2.683	1.614	2.831	2.335	0.831
0.6485	0.3865	0.2545	-0.9125	-0.6675	0.5415	1.2815	1.7595	1.3875	1.2045	1.1165	0.4145	-0.4005	0.0125	0.4205	0.8305	0.5795	1.2135	1.0235	4.0615	1.6255	3.3165	-0.5225	0.9685	0.9395	0.9325	2.0205	0.9825	0.7285	0.9355
0.338	-0.231	-0.173	0.434	0.601	0.752	1.681	0.32	0.29	0.156	-0.309	1.658	0.594	0.698	0.778	1.026	1.305	0.614	-0.001	-0.979	0.428	0.001	0.355	-0.421	0.034	0.854	0.467	0.593	-0.055	0.413
1.3315	-0.4015	0.0985	-0.1525	0.1975	0.0865	-0.2885	-0.4895	-0.3815	-0.3815	-0.0895	-0.3035	-0.2655	-0.0375	-0.2085	0.0595	-0.2115	0.2755	-0.0645	-0.4325	0.0055	0.1765	-0.1405	0.2425	0.1585	0.4205	-0.2985	-0.1995	0.3005	-0.2885
0.47	-0.587	0.647	-0.952	-1.048	-1.054	2.294	1.678	1.702	1.137	0.134	-0.415	-0.831	0.528	1.52	0.845	-0.298	-0.487	0.177	1.996	-1.302	0.714	0.621	0.353	0.052	1.013	1.658	1.129	1.578	0.981
-0.3395	-0.5985	-0.3055	-0.4755	0.0375	-0.4055	0.2015	-0.1635	-0.2465	0.3235	0.5315	-1.2935	1.0235	0.0145	0.5755	0.0795	0.3405	-0.0945	0.9305	0.4775	-0.3875	-0.0195	0.5035	0.1305	-0.0345	-0.3875	-0.3515	0.1615	-0.0695	-0.0435
-0.089	-0.022	-0.175	0.018	-0.287	-0.315	0.666	0.097	0.055	0.73	-0.11	-0.658	-0.308	1.014	1.37	-0.196	0.491	0.571	-0.59	1.547	-0.19	1.887	-0.06	0.392	0.358	0.023	-0.418	0.578	1.131	0.509
0.289	0.587	0.275	0.166	0.284	0.914	-0.105	0.623	0.748	0.191	0.42	1.147	0.315	0.715	0.973	0.874	1.137	0.624	1.326	0.238	0.422	0.353	1.537	0.596	-0.24	-0.897	0.157	0.741	-0.209	1.138
-0.4715	-0.3165	0.4055	0.2935	-0.4135	0.2185	-0.1365	-1.0615	-0.8475	-0.5725	-0.9075	-0.1765	-0.6345	-0.2655	0.1735	-0.7415	-0.5615	-0.2435	-0.8585	-0.5785	0.1025	0.0815	-0.8305	-0.2155	0.1715	-0.1355	-0.7295	0.1835	0.1925	0.2745
0.197	0.172	0.555	0.391	1	-0.119	0.391	0.496	0.527	1.222	-0.974	0.485	0.866	0.755	0.887	0.807	0.795	0.073	0.491	1.358	0.652	-0.229	0.718	1.302	-0.634	-0.302	0.839	1.262	1.604	-0.317
0.87	0.434	0.05	-0.096	-0.676	0.464	-0.918	-0.096	-0.066	-0.026	-0.288	-0.833	-0.746	-0.22	-0.094	-0.014	0.057	-0.166	0.084	-0.366	-0.205	0.234	-0.076	-0.566	-0.006	-0.506	0.291	1.155	0.604	0.234
1.6	0.872	1.654	0.011	0.52	1.164	0.486	1.452	1.344	1.344	1.526	0.821	2.611	2.081	0.794	0.859	-0.254	1.416	0.307	0.786	1.062	0.387	0.314	-1.012	-0.459	2.3	1.931	1.648	0.871	1.251
0.249	1.887	-0.722	0.515	1.621	0.89	-0.355	-1.149	-1.172	1.71	-2.485	1.01	0.46	0.475	-0.018	-1.546	2.152	2.051	0.018	-0.371	-1.844	-2.479	-0.028	0.89	-0.474	-0.559	-1.842	-0.987	-3.542	-1.329
0.5015	0.0615	-0.1515	0.8505	0.0085	-0.3325	1.2165	0.9705	0.9095	1.2115	-0.7355	1.0785	0.9765	1.0555	0.1135	-0.0875	0.5125	-0.3285	0.9975	0.5455	0.7855	0.1175	-0.2085	0.6815	-1.0745	2.1585	1.4315	1.5505	0.7655	0.9025
-0.2065	-0.6045	0.0285	-0.6605	-0.4605	-0.4005	-0.1715	-0.1645	-0.1605	-0.1615	0.0635	0.6035	-0.0165	-0.2875	0.3555	0.8915	0.3945	0.1355	0.6855	-0.4655	-0.0015	-0.2475	-0.0615	-0.3845	-0.1915	0.1915	-0.0325	0.1945	0.0135	-0.4315
0.0045	0.6525	0.3525	0.5145	0.3755	0.2165	0.5785	0.4255	0.3985	0.9875	0.8915	0.4815	0.4325	0.4245	0.3105	1.2405	1.9195	1.2685	1.8395	1.5135	1.3705	0.7705	-0.4255	-0.0915	-1.3075	-0.6945	-0.0265	0.1525	-0.5955	0.4885
-0.485	-0.346	-0.408	-0.562	-0.846	-0.138	0.357	0.846	0.777	0.378	0.394	0.161	0.665	-0.128	0.066	0.5	0.17	0.341	0.978	0.543	1.073	-0.153	-0.244	0.139	0.227	0.21	0.604	0.707	-0.813	0.68
0.033	0.201	-0.44	-0.114	0.054	-0.212	-0.314	-0.111	-0.233	0.177	0.07	-0.549	-0.379	0.348	-0.542	-0.357	0.075	-0.069	-0.377	-0.65	-0.566	0.104	-0.469	-0.833	0.234	-0.617	-0.179	-0.756	-0.043	0.054
-0.1925	-0.5645	0.3415	0.0145	0.0275	-0.0885	-1.4615	-0.5895	-0.5495	0.0815	-1.3245	0.6005	-0.6185	-0.8385	-0.9285	-0.2215	0.1235	-0.6005	0.0615	-0.8435	-0.2025	-0.6395	-0.2045	-0.0875	-1.2675	-0.1075	0.3985	-0.2095	-1.1085	0.0795
0.1495	0.0485	-0.4435	0.0535	1.1285	0.6035	-0.4515	-0.5135	-0.4515	-0.0045	0.3035	0.1735	1.4415	1.3635	1.7045	1.4495	-0.3535	1.2745	0.2605	-0.1385	-0.5575	-0.2325	-0.3535	-1.3085	-0.1665	0.9055	-0.9225	0.1345	-0.2415	0.3275
-0.286	0.201	-0.171	-0.194	-0.025	-0.267	-0.311	0.337	0.391	-0.307	0.148	-0.06	0.46	0.29	0.278	0.344	0.075	-0.375	-0.424	-0.217	0.285	-0.152	-0.083	2.87	1.515	-0.068	0.402	0.318	0.172	-0.22
0.0345	0.0775	-1.4525	0.5105	0.0425	0.2925	0.8015	-0.7985	-0.7215	-0.7475	-1.0775	0.1335	-1.2445	-1.4565	-1.2505	-0.5115	-1.0195	0.3605	-1.1895	-2.0685	-1.1985	-0.3205	-0.1035	0.6405	0.0735	-0.1775	0.2295	-1.1625	-0.3425	-0.2775
1.476	0.007	0.855	0.537	0.164	0.108	1.288	3.813	3.737	-0.387	1.23	-1.459	1.084	0.765	-0.327	2.301	-1.18	0.09	-1.658	2.153	0.517	0.179	1.475	0.038	-0.866	2.373	2.618	-0.128	-1.829	2.691
0.27	-0.064	-0.201	-0.032	0.164	-0.108	-0.205	0.043	-0.135	0.119	-0.218	-0.624	-0.561	-1.071	-0.154	-0.002	-0.127	-0.443	0.031	-0.784	-0.302	0.019	-0.272	-0.556	0.342	0.171	0.352	1.035	0.462	0.47
-0.5945	-0.0325	-0.3575	0.0865	-0.3225	-0.1655	0.1725	0.8045	0.7515	0.2655	-0.3335	1.5125	0.2675	-0.2025	0.1325	0.7245	-0.2145	-0.0035	-0.0275	-0.5055	-0.2685	-0.4345	-0.1675	0.6025	-0.0775	0.5325	1.6175	-0.0035	0.9625	0.3065
-0.347	-0.666	-0.092	0.344	0.325	-0.033	0.33	0.347	0.345	0.639	-0.545	-0.643	-0.161	-0.489	1.545	-0.833	0.033	3.085	-0.125	2.39	-1.733	-0.327	0.599	0.981	1.093	-0.452	-1.961	-0.114	-0.08	1.856
-0.9015	-0.5995	-0.3035	-0.0035	-0.5565	-0.7905	-0.0205	0.3495	0.5915	0.7655	-1.0595	1.7715	0.7345	-0.7345	0.9585	-0.0645	-0.9675	-0.9325	-1.6535	-1.7725	-0.2195	0.5105	-0.5295	1.3935	-0.4385	1.6425	0.8075	-0.2005	1.4955	0.2245
0.144	-0.517	-0.442	0.151	-0.094	0.159	-0.651	-0.114	-0.105	-0.372	-0.578	-0.854	-0.193	-1.016	-0.336	0.358	-0.526	-0.442	-0.455	-0.491	-0.183	-0.186	0.018	0.289	0.474	-0.7	0.204	-0.413	-0.552	0.105
0.676	-0.671	0.354	-0.159	-0.368	0.21	2.056	0.105	0.154	-0.541	0.51	0.373	0.243	1.566	1.252	0.654	-0.194	-0.1	1.189	-0.656	-0.196	0.416	0.235	0.402	-0.316	0.767	1.676	-0.169	1.273	0.543
0.0755	-0.9325	-0.6085	-0.0145	-0.3155	0.7485	-0.2525	-0.5445	-0.3645	0.0905	-0.6675	-1.7105	-1.1575	-1.1075	-1.5495	-0.1095	-0.2435	-0.4105	1.9345	-0.1435	-0.8615	-0.9975	-0.4795	-0.5755	-0.9555	1.0325	0.4665	-0.7485	-1.4515	-1.1835
1.28	-0.394	-0.028	-0.47	-0.082	-0.112	0.234	0.604	0.624	-0.14	0.261	-0.071	0.216	0.202	0.807	0.149	0.234	0.418	1.703	1.454	0.821	1.721	0.65	0.85	0.337	0.727	0.75	0.256	0.19	0.59
-0.494	-0.547	-0.117	-0.274	0.103	0.147	-0.28	0.206	0.179	-0.203	-0.581	-0.454	-0.105	0.059	0.407	0.269	0.621	0.416	0.607	0.587	-0.6	0.056	0.681	0.56	-0.378	-0.247	-0.165	0.431	-0.376	0.343
-0.458	-0.693	-0.722	0.002	-0.42	-0.216	0.037	1.91	1.639	0.999	1.456	0.437	0.583	-1.196	-0.418	1.596	-0.374	0.271	0.086	1.481	-0.673	-0.304	-0.616	-0.267	0.471	0.107	1.097	-0.104	-0.6	-0.834
0.317	0.492	-0.41	0.304	0.118	0.24	0.639	1.009	0.972	0.174	1.312	-0.158	0	0.435	0.739	0.636	0.516	0.369	0.092	0.97	0.431	0.311	-0.304	-0.284	-0.404	-0.743	0.487	0.121	-0.095	0.412
-0.1895	-0.2815	0.5505	0.7765	1.1115	1.2775	-0.6975	2.3045	2.3245	0.0515	-0.4595	-1.5205	1.4425	1.6525	1.7245	0.6905	-0.1595	0.3325	0.4745	-0.4715	0.3225	0.4745	0.5015	-1.4225	-0.3415	1.3625	0.0835	-0.3765	-0.2655	-0.6175

Table 18.

9819-0103 LUMINAL	BR02-705 LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704 LUMINAL	BR02-705 LUMINAL	BR03-726 LUMINAL	BR95-018 LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-M LUMINAL	BR95-015 LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016 LUMINAL	UB78 LUMINAL
-0.1745	-0.1715	-0.0605	0.1035	0.2375	-0.0275	-0.8345	-0.6265	-0.6555	-0.8945	-0.0535	-0.6505	-1.1655	-0.4835	-1.0455	-1.4995	-0.7255	-0.6905	-0.0565	-1.0965	-0.4375	-0.8155	0.1635	1.1455	1.1385	0.5505	0.3535	0.3565	-0.3505	-0.1875
0.2215	0.1815	0.2325	0.6335	0.0085	0.1695	-0.5765	-0.8095	-0.7135	-1.0055	0.7505	-0.4925	-0.6685	-0.9735	-0.7915	-0.9315	-0.2965	0.4745	-0.6505	-1.2395	0.6385	-0.2415	-0.2305	0.6465	1.7235	0.0505	0.3575	1.0785	-0.4295	0.5595
-0.768	0.711	-0.296	-0.814	0.302	-0.754	-1.274	-1.089	-1.1	-1.194	-1.042	-0.921	-1.07	0.56	-0.94	-1.326	-0.334	-1.045	0.991	-2.491	-0.52	-0.501	-1.227	3.065	1.888	0.919	-1.425	2.217	-0.097	-1.088
-0.578	0.18	0.122	0.594	1.738	0.23	-0.138	-0.011	-0.021	0.592	-0.898	-0.143	0.538	0.461	-0.356	0.27	-0.292	0.691	0.867	-0.458	-1.158	-0.695	0.885	-0.191	-0.971	0.1	1.071	0.047	-0.736	-0.328
0.2505	-0.0165	-0.4885	-0.3125	-0.5115	-0.5745	-0.3625	0.0195	0.1305	-0.1385	0.0155	-0.0375	0.1105	-0.6445	0.1605	-0.6255	0.8265	0.6895	1.5465	0.4095	0.8445	0.5455	0.3625	0.1695	0.5505	0.6985	1.3045	0.7305	-0.3725	1.0805
-0.4925	-0.2715	-0.4985	-0.0765	-0.0085	-0.0155	-0.1605	1.0905	0.8865	0.1985	-0.2615	0.5815	0.0905	-0.0105	-0.1795	-0.7415	-0.3235	-0.1825	-0.4675	0.0275	-0.0755	-0.0485	-0.3575	0.2555	0.1025	0.3885	0.9955	0.6055	0.9795	0.6895
0.237	0.458	0.472	0.154	-0.486	-0.156	0.067	0.372	0.409	0.461	-0.239	0.24	-0.205	-0.005	-0.534	0.234	0.296	0.188	1.168	0.796	-0.276	-0.459	0.137	0.267	0.011	0.216	0.197	0.259	0.264	-0.212
-1.4465	1.0445	-0.1175	-0.0025	0.7285	1.3435	-1.5225	1.2255	1.0905	0.4345	-2.6915	2.7505	1.5365	0.2525	0.5425	-0.5235	1.8525	1.9715	-0.2775	-0.4515	-0.3655	0.1955	0.7525	-1.2205	-0.2685	-2.0085	-0.3335	-1.6535	-0.5085	-0.7365
-0.052	-0.445	0.343	-0.027	-0.498	0.205	-0.047	-0.236	-0.157	0.194	0.224	-1.269	-0.357	0.269	0.194	-0.112	-0.046	0.103	0.637	0.555	0.9	0.756	-0.249	0.212	-0.004	0.075	-0.363	0.006	0.077	0.134
0.1775	0.1065	-0.2005	-0.5225	-0.4985	-0.6725	0.5215	-0.3845	-0.3505	-0.0655	0.6155	0.2845	0.4145	-0.3075	0.5215	-0.3755	0.9785	-0.0235	0.6555	0.1995	0.6585	0.5625	-0.2545	1.0385	0.3685	0.9975	-0.1515	-0.0325	0.1685	0.6985
0.7695	1.5945	0.2925	1.0865	1.9075	0.2885	-0.5535	-0.9605	-0.7425	-0.9265	0.7995	-1.3585	-1.3825	0.4915	-0.0365	-1.2195	-0.6685	-1.4945	-1.9655	-1.8995	-0.7935	-0.2565	-0.4145	0.5165	0.9425	0.4965	-1.4285	0.7985	-1.6525	-0.7635
-0.1025	0.4015	-0.1665	-0.2465	-0.3425	-0.3705	0.3225	-0.3455	-0.4475	-0.3855	-1.0785	-0.1435	-0.2115	-0.2825	0.0185	-0.3855	0.7655	-0.2305	0.3165	-0.3665	0.3055	0.0195	-0.5945	0.5815	0.1575	-0.7635	-0.5345	-0.2745	0.1015	-0.1475
0.2845	0.7905	1.3495	0.1685	0.3355	-0.5125	-0.3875	-0.8335	-0.6705	0.7535	-0.5085	1.6555	-0.3965	-0.7345	0.3075	-0.3155	0.5175	-0.0845	0.2155	-0.7015	1.2295	-0.3145	-0.1105	0.5005	1.1345	-0.5375	0.3815	0.0885	-0.4935	-0.0755
-0.672	-1.699	-1.5	-0.795	1.99	0.889	-1.815	-0.374	-0.311	-2.445	-1.003	-1.979	2.681	-0.511	1.367	0.403	3.252	2.029	1.634	0.296	-1.508	2.172	-2.293	-1.148	0.306	0.034	0.709	1.238	-2.092	-0.816
0.5435	0.2185	0.9465	-0.0345	0.0585	0.2085	0.4075	0.2445	0.2685	0.1425	0.0685	1.9305	1.3485	-0.0485	0.9125	-1.0185	0.1285	0.5905	-0.7835	1.0545	0.0155	0.3895	-0.4735	-0.1605	0.0525	-0.4715	-0.2005	0.9425	0.5185	0.4865
-0.0385	0.5405	-0.3315	-0.0605	0.3095	-0.2215	-1.8975	-0.8425	-0.7685	-0.4675	-0.0275	0.4365	0.2955	-1.7475	-1.6905	-0.4445	-1.8325	-1.0775	-1.2085	-0.9955	-0.7825	-0.9425	-1.5845	0.0685	0.0555	-0.5815	-1.5315	-0.8215	-1.2705	-0.0495
0.142	0.218	0.364	-0.125	0.091	-0.028	0.252	0.218	0.268	-0.065	0.367	0.997	0.092	-0.018	0.046	0.184	0.069	-0.219	-0.168	0.205	0.144	0.352	-0.558	0.742	-0.219	-0.185	0.329	-0.349	0.205	-0.11
0.1375	0.5125	0.2875	0.4015	1.1955	0.0965	0.5185	-1.0805	-1.0645	-0.0675	0.1315	-0.2285	0.5805	-0.5895	-0.7665	-0.6005	-0.6555	-0.0705	-0.7345	0.6615	-1.0495	-0.0435	-0.8995	-0.2005	-0.6395	-1.5785	-0.7935	0.2115	0.0785	-0.6275
-0.328	-0.698	-0.416	-0.647	-0.107	-0.33	-0.26	-0.237	-0.104	0.05	0.499	-0.57	-0.44	-0.245	0.19	0.046	0.053	-0.063	0.727	0.26	-0.41	0.012	0.277	-0.016	-0.18	-0.08	-0.16	0.141	-1.106	-0.044
-0.3775	0.3765	-0.8135	0.5945	-0.5055	0.2485	-0.8405	-0.1775	0.0995	-0.3395	0.4405	0.4475	0.0195	-0.7655	-0.6475	0.3965	0.0385	0.3675	-0.4015	0.7705	-0.6825	-0.4955	-0.6845	-1.6845	0.6305	-0.2265	-1.3145	-1.0515	-0.9415	0.1045
0.468	0.061	0.319	-0.588	0.206	-0.478	0.666	0.378	0.483	0.202	0.061	0.131	0.201	-0.565	1.837	0.903	1.11	0.102	0.517	0.853	1.046	0.707	-0.126	0.659	0.547	-0.129	0.25	0.764	0.506	-0.048
0.8975	0.1395	-0.0765	-0.0105	0.4395	-0.1695	0.0455	0.6085	0.6665	0.3695	-0.1385	0.0995	0.4455	0.2355	-0.1485	0.6035	0.4335	0.0315	1.0195	0.1375	-0.4145	-0.0965	0.1725	-0.0235	0.0215	0.3105	0.1775	0.1375	-0.1935	0.3405
-1.6355	-2.6805	-1.1795	-0.7785	-0.8585	-0.7505	-1.0735	0.4725	0.5175	-1.5885	-1.3145	0.6765	-1.4865	-0.6855	-1.0075	-1.6585	-0.9875	0.1185	-0.5615	-0.3515	-1.1965	-0.8705	-1.2915	-0.1265	0.7985	-0.5215	-1.5985	-1.1565	-0.6115	-0.9705
0.657	-0.259	0.015	-0.408	-0.558	-0.639	0.65	-0.114	-0.309	0.128	0.189	0.488	0.58	0.911	0.904	0.912	0.906	0.239	1.97	0.682	0.586	-0.168	-0.419	1.143	-0.564	0.583	-0.145	-0.472	-0.023	-0.124
0.0445	-0.2335	0.2195	0.9655	1.4745	0.2205	1.7465	0.9155	1.1145	1.0585	-0.1645	0.7655	1.2645	0.5155	0.3015	1.4995	1.2215	1.0345	0.2875	1.6595	1.0705	0.4715	0.7815	1.3775	-0.8295	-0.6665	-0.2785	-1.1195	0.2775	-0.8325
0.1025	0.2975	0.0215	0.5755	-0.1045	-0.3405	1.0085	0.1495	0.1095	0.6375	0.3935	0.4785	0.3995	0.7445	0.1335	0.9195	0.3235	0.3765	0.9455	0.7555	0.6275	-0.4435	0.7665	0.2845	-0.9375	-0.0215	0.6945	0.7755	1.0265	0.0585
-1.2775	-0.3425	-0.7055	-0.4015	-0.6045	-0.4195	-0.6315	0.3765	0.5385	-0.5595	-0.5495	1.9235	1.3685	-0.6315	-0.1325	0.6255	-0.9175	-0.5445	-0.9245	-1.0485	-0.4305	-0.4085	-0.0025	0.7285	-0.3085	0.4335	1.9035	0.2385	1.2805	0.7145
-0.164	0.004	0.283	-0.037	-0.356	-0.168	0.258	0.861	0.751	0.304	0.171	2.512	1.073	0.501	1.111	0.518	0.12	0.233	-1.254	0.969	0.621	-0.368	0.614	3.165	0.402	-0.241	1.18	0.584	1.158	-0.177
-0.3725	-0.5735	-0.7745	0.0805	-0.3735	-0.2415	-1.0165	0.9855	1.0355	1.0495	-0.6185	-0.3765	-1.2125	0.0885	-1.0195	-0.4015	-0.3085	-0.2585	-0.7045	-1.2595	-1.4575	-0.6485	0.0705	0.9615	0.3365	-0.5185	0.7945	0.7415	-0.2585	0.2425
0.43	-1.111	-0.79	0.961	-0.105	0.979	-1.402	1.382	1.459	1.441	-1.595	4.594	3.69	-0.293	-0.518	1.204	2.841	1.551	1.72	2.145	3.36	-0.959	-0.654	-0.319	-0.212	0.851	2.284	2.547	0.125	0.789
-0.7945	-1.8835	-0.9545	-0.9415	-0.7725	-0.4995	-2.3855	-0.7085	-0.4345	-0.9035	-0.0955	0.4955	0.0585	-0.0805	0.4625	0.8225	0.0255	0.8765	1.3705	1.1035	0.7335	0.6245	0.2885	0.9005	0.5325	0.9075	0.7795	0.5295	0.3885	1.2955
1.358	0.511	-0.095	0.306	-0.07	-0.079	0.506	0.564	0.546	0.884	-0.204	0.392	0.206	0.344	0.687	1.088	0.618	0.207	0.58	0.255	0.847	0.26	-0.503	0.478	0.333	0.387	-0.739	0.717	-0.142	0.564
-1.282	-0.103	-0.031	-0.224	-1.245	1.12	0.329	1.811	1.747	-0.63	-0.306	0.998	0.11	-1.113	-0.325	0.157	-0.473	-0.11	-0.737	-1.183	-1.045	-0.081	-1.027	-0.17	-0.137	0.229	1.689	0.754	1.01	0.785
1.2105	0.7095	-0.2175	-0.3645	-0.4145	-0.0555	0.4715	-0.7315	-0.6625	-0.0495	-0.3775	0.0655	-1.0815	1.9955	0.7215	0.2745	-0.1165	0.7395	-0.7825	-1.3025	-1.1285	-0.4065	0.7655	1.1735	-0.2965	2.2265	-0.4455	-0.0845	0.6245	0.2225
-0.589	0.12	-0.717	0.15	-0.25	-0.14	-0.14	-0.44	-0.52	-0.09	-0.42	0.104	-0.492	-0.808	-0.311	0.308	0.283	0.582	-0.24	-0.05	-0.338	0.07	-0.729	0.31	0.35	0.577	0.813	0.004	0.915	-0.16
0.8595	-0.2595	-0.6485	0.2085	0.0815	0.3705	0.2065	-0.5395	-0.2275	0.2435	0.8245	-1.3485	-0.5725	-1.3205	0.1375	0.4635	0.6035	-0.0395	-0.1945	-0.1255	-0.1685	0.8205	0.6595	0.4875	-0.2985	0.0515	-2.0205	0.0075	-1.0275	-0.4395
0.381	-0.393	-0.564	0.342	0.336	-0.129	-0.756	-0.753	-0.641	-0.464	-0.267	-0.944	-0.525	-0.406	-0.275	-0.128	0.213	-0.515	-0.955	-1.544	-0.053	0.207	-0.195	-0.243	-0.704	-0.235	-0.928	-0.719	-0.399	0.085
0.2095	-0.4885	0.0275	-0.0095	0.1405	0.2265	-0.2525	0.0405	0.0685	0.3125	-0.0835	-0.6815	-0.9605	-1.0825	-0.5745	-0.1295	0.0845	0.2585	0.7145	-0.2055	-0.2545	-0.6495	-0.1435	-0.1525	-0.5245	-0.0505	-0.6165	-0.1355	-0.2045	0.0175
-0.0645	-0.0825	0.3365	-0.1375	0.1065	0.3305	0.0995	2.3845	2.4855	0.8995	0.1975	1.1495	0.8785	-0.1505	0.3985	-0.2955	1.3125	0.9805	3.2135	2.3845	0.0335	0.9245	0.3155	0.6525	-0.1145	-0.4495	0.0035	0.2325	0.7995	-0.3875
0.5225	0.4325	-0.6405	0.5505	0.1855	-0.1665	-0.1115	1.6805	1.6075	-0.3555	-0.4635	-0.4605	-1.1675	-1.1865	-1.3775	-0.7285	-0.3575	0.0205	-0.8425	1.2085	-0.7875	-0.3495	-0.3035	1.9235	-0.2175	-0.3205	-0.4835	-0.1985	-1.2765	-0.2885
0.0655	-0.0345	0.2225	0.8075	-0.0495	-0.5845	-0.3295	0.3595	0.3115	0.5875	0.8115	0.0275	1.1495	0.5225	-0.2925	-1.0795	-1.0515	0.6545	0.2505	0.4085	0.7165	-0.3885	0.3625	0.5275	1.1925	-0.7335	-0.8205	-0.3065	-0.1705	-0.0195
-0.1695	-0.2915	0.1305	-0.0295	0.0965	-0.3195	-0.4085	0.2155	0.3705	0.2535	0.2115	-0.2745	-0.0025	-0.2165	-0.1525	-0.4845	-0.1165	-0.1825	-0.6325	0.0315	0.3555	0.0015	-0.0995	-0.7365	-0.1615	0.0185	-0.1345	-0.2425	0.1005	-0.6215
0.18	-0.16	-0.196	-0.315	-0.406	-0.133	0.248	0.478	0.453	-0.02	-0.271	-1.136	-0.394	0.407	0.439	0.153	0.302	0.043	0.473	0.21	-0.138	0.656	0.965	0.595	0.138	-0.111	-0.006	0.223	0.183	0.212
1.0675	0.3855	-0.4295	0.1035	0.0365	0.2225	-0.1115	-0.5625	-0.3855	-0.3405	-0.3625	1.4305	1.2265	0.4385	-0.3015	0.1785	-0.7265	-0.2855	-0.4515	-1.0075	-0.5025	-0.1875	0.0015	0.5325	-0.4685	0.6895	0.2195	-0.4095	-0.2995	-0.2275
0.2375	0.1555	-0.1545	-0.1495	-0.1015	0.0925	-0.0035	0.5005	0.5465	0.3945	0.2075	-0.3185	-0.0575	-0.1755	-0.5685	0.8775	0.1315	-0.3215	0.6055	0.2935	-0.0725	-0.4605	0.3915	0.7925	-0.0735	0.4285	0.2545	-0.4365	-0.3005	0.1315
-0.014	-0.016	-0.032	-0.629	-0.199	-0.521	0.141	0.271	0.476	0.335	0.343	0.151	0.091	0.317	0.898	-0.103	0.372	0.179	0.08	0.605	0.291	-0.058	-0.573	0.802	0.265	0.114	-0.267	0.639	0.071	0.004
0.353	1.165	0.342	0.472	0.912	0.156	-0.816	0.008	-0.002	0.002	-0.011	0.011	-0.432	0.043	-0.642	-0.929	-0.027	0.039	-1.105	0.107	0.651	0.67	-0.621	1	0.037	-0.257	-1.451	-1.105	-0.206	-0.386
-0.038	-0.136	-0.176	-0.256	-0.206	-0.348	0.736	-0.123	-0.081	-0.293	-0.291	-1.133	1.142	0.868	1.026	0.745	-0.533	1.991	-0.556	2.633	3.501	3.183	0.475	2.023	0.121	0.307	0.633	0.188	1.965	0.569
-0.6775	-1.4915	0.1325	0.3045	0.9315	-0.1325	0.2355	-0.1835	-0.1665	0.6755	-0.8715	0.6185	0.5095	-0.5395	-1.2485	-0.3025	-0.2105	0.0125	-1.7975	0.4035	-1.2795	-1.0745	0.2995	0.4225	0.6725	-0.3615	0.3355	-0.0985	-0.3495	0.0855
0.342	-0.518	-0.895	-0.152	-0.139	-0.379	0.248	0.168	0.131	0.231	0.157	-0.094	-0.223	0.251	0.298	0.588	0.326	0.478	0.007	-0.651	-0.036	-0.435	0.52	0.265	-0.34	0.256	0.381	0.317	1.104	-0.552
0.3735	0.3045	-0.1375	0.0555	0.0275	0.2435	-0.0285	-0.0235	0.0035	0.0275	0.0165	-0.3195	-0.1005	0.5765	-0.2545	0.4155	0.6335	-0.0915	0.2235	0.2185	0.3645	0.2975	0.4345	0.3165	0.3025	-0.5215	-0.1745	-0.2915	-0.3305	0.4355
-1.2545	1.1285	1.4155	-0.4995	-1.3555	-0.1545	-0.0945	-0.5415	-0.6395	-0.4635	-0.9255	-0.5265	-0.7125	-0.5855	1.3555	-0.0295	1.6885	0.3385	0.2005	-0.0875	0.7575	-0.2425	0.2145	-0.4935	0.3565	-0.6245	-0.0925	0.0315	0.4745	0.1605
0.2135	-0.2525	0.0045	0.4035	-0.2335	-0.1575	0.1885	0.2905	0.3325	0.2915	0.1585	-0.7385	-0.3775	-0.0755	0.0865	-0.0525	0.5465	-0.4935	0.7865	0.6325	0.4115	0.7865	0.5625	0.4585	0.0045	0.3885	0.5825	0.5895	0.6395	0.0835
-1.2625	0.0115	-0.0025	0.2455	0.6575	-0.1335	0.4425	-0.6675	-0.4765	0.3245	-0.1625	0.0505	-0.1945	-0.0525	0.0005	0.1105	-0.0005	0.0245	0.4805	-0.0075	-0.1665	-0.1625	0.3985	-0.0535	-0.0695	-0.7715	-0.4985	-0.2025	-1.0575	0.2255
-0.2945	-0.1215	-0.3225	-0.4375	0.3115	0.3525	-0.8905	-0.4905	-0.5635	-0.7665	0.2265	0.7785	0.4345	0.6235	1.5595	1.5085	-0.7015	0.8005	-0.2065	0.1735	0.4075	0.9495	-0.5505	0.5865	-0.4835	-0.3595	-0.7945	0.2235	0.4455	0.4095
1.132	1.688	0.483	2.785	0.94	0.452	-0.375	-0.679	-0.698	2.553	-0.004	0.048	0.346	0.942	2.354	2.521	2.404	1.213	-1.882	3.273	-0.891	-0.083	0.849	2.383	1.968	-1.229	0.277	-1.062	-1.099	2.575
-0.032	-0.173	-0.562	0.228	0.064	0.048	-0.033	-0.205	-0.19	0.084	-0.831	-0.035	-0.067	0.054	0.08	0.142	0.332	0.128	-0.02	-0.121	-0.13	0.014	-0.149	0.681	0.204	0.099	0.144	0.118	0.32	0.034
-1.561	0.31	0.188	0.018	0.06	0.157	1.204	-0.234	-0.229	0.593	-1.71	-0.003	0.459	0.259	1.461	-0.081	0.409	-0.329	1.001	0.472	0.081	-0.246	-0.3	0.348	-0.788	0.002	0.759	1.351	0.732	0.841
-0.6945	-2.2185	-0.2095	0.4425	0.1965	-0.2495	-0.2805	1.1735	1.1475	4.6205	0.0075	-0.7705	-0.9385	-0.6425	-0.0535	-1.2325	-0.9285	-0.4635	5.2515	-0.6305	4.9745	-0.3585	-0.9645	-0.3875	0.1975	4.6335	-0.6075	-0.1645	4.4815	1.1645
-0.934	-2.484	-0.778	-0.68	-0.765	-0.481	-0.947	0.224	0.314	-0.89	0.302	0.262	-0.206	0.303	0.425	0.283	-0.259	0.84	0.969	0.755	0.694	0.947	-0.134	0.687	0.994	0.316	0.685	0.448	1.237	0.341
0.2985	0.1675	0.1665	-0.1045	0.3495	-0.0385	-0.4265	-0.1085	-0.1145	-0.0065	-0.1945	-0.2625	0.0975	-0.4245	-0.2275	-0.0545	0.0735	-0.2605	0.7795	0.5815	0.1475	0.3315	0.4875	0.5215	-0.1095	-0.3115	1.0955	-0.2335	-0.3715	1.1315
-0.441	0.069	0.103	-0.317	-0.218	0.249	2.935	0.062	0.312	-0.019	-0.184	-0.104	-0.112	-0.386	0.282	-0.431	0.078	0.337	-0.541	0.029	0.061	-0.085	-0.872	-0.255	0.393	0.91	1.006	0.447	0.28	-0.045
-1.9135	-0.4115	0.6205	-0.2505	-0.7895	0.0085	-0.6875	0.5495	0.6635	-0.8215	-0.4475	0.5165	-0.2455	-1.3055	-0.4665	0.1825	-0.4995	0.1845	-1.3705	-1.5405	-0.6885	-0.8355	-0.0935	0.1985	-0.7485	-0.2365	1.6935	1.2825	0.8715	0.8435
0.262	0.307	0.418	-0.085	-0.226	-0.002	1.682	0.246	0.195	0.028	-0.434	-0.333	0.009	1.253	-0.074	-0.324	0.266	0.494	0.395	0.252	-0.442	0.223	0.856	0	-0.151	0.059	0.075	-0.104	-0.258	-0.047
0.239	0.323	0.355	0.129	-0.225	-0.034	-0.355	-0.047	-0.009	0.444	-0.332	0.331	-0.701	-1.316	-1.177	-0.757	-0.409	0.18	0.995	2.619	3.504	2.086	0.216	-0.153	0.467	-0.865	-0.915	-0.227	-0.609	-0.238
0.185	-0.056	-0.682	0.3	0.398	0.447	-0.206	-0.609	-0.527	-0.745	-0.39	0.088	-0.598	0.386	-0.502	0.119	-0.101	0.239	0.173	-0.582	0.316	0.695	0.552	-0.203	-0.326	-0.43	-0.244	-0.618	-0.094	-0.185
0.0025	-0.3525	-0.3905	-0.0615	0.2595	0.1645	-0.4235	0.5395	0.4205	-0.2595	-0.2555	-0.1305	-0.4405	-0.6155	-0.7315	-0.8715	-0.0935	-0.1115	-0.1095	-0.7345	-0.9325	-0.9935	-0.0055	0.7315	0.8175	-0.5435	-0.6025	-0.0155	-0.4875	0.3725
-0.1075	-0.2475	0.1605	0.4835	-0.6965	0.3195	-0.7265	0.1325	0.3095	-0.5285	-0.8805	-1.8095	-0.3295	-2.0165	-0.6695	-1.6255	-0.9605	0.0395	0.7245	-0.2535	-2.2715	-1.5605	-0.6305	-0.3195	-0.9575	0.1105	-0.7645	-0.3255	-1.9235	-0.4635
-0.313	-0.157	0.03	-0.24	-0.196	-0.227	-0.322	-0.329	-0.376	-0.868	-0.096	0.947	1.021	0.264	0.377	0.631	-0.399	-0.328	-0.336	-0.105	-0.062	0.114	-0.172	0.455	0.084	0.594	1.831	0.48	0.893	-0.001
0.2335	-0.2695	-0.0265	-0.0825	-0.1145	-0.2215	-0.0325	0.4605	0.3975	0.3475	-0.1145	0.1575	0.5985	-0.5985	-0.3305	0.4885	0.3565	0.0695	0.8345	0.6175	-0.3275	-1.1615	-0.4595	0.2185	-0.6285	-0.0985	-0.0475	-0.1455	-0.1825	-0.2025
0.3055	-0.1455	-0.4315	-0.0925	-0.4865	-0.0555	0.0045	0.4105	0.4585	-0.0575	0.8185	-0.1545	0.1375	0.9425	0.2965	0.5995	-0.0045	-0.0715	0.1265	0.3755	-0.3455	0.1135	0.5545	0.0925	0.0345	1.0335	0.4775	0.1615	1.5375	-0.0525
-0.0115	0.7655	-0.0395	-0.0675	-0.6085	-0.0235	0.1185	-0.9965	-1.1805	-0.6595	-0.2045	-0.3045	0.1775	-1.1715	0.0715	-1.0115	0.6245	0.1575	-0.1575	-0.7915	0.0315	0.0785	-0.4665	-0.7355	-0.0415	-1.1215	-0.5385	-0.2735	-1.1095	-0.2625
0.8865	0.8965	-0.1855	0.0135	-0.9485	-0.0035	-1.9815	1.3165	1.7345	0.9845	0.7445	0.8865	-0.0725	-1.6335	-1.8155	-3.2495	0.8095	-1.5915	-0.9105	-0.4605	-0.4075	-1.9025	-1.4855	-0.1885	-0.5515	-1.5635	-0.7625	-0.3595	-0.3115	-0.1305
1.0765	-0.2075	0.1745	2.4065	2.7255	-0.0085	-0.5415	0.5605	0.6325	1.3135	-1.0425	-2.4615	-1.0735	0.7085	-0.7965	-1.7355	0.2765	-0.6355	-1.9685	0.0085	-0.8655	0.8115	1.5935	1.0365	-1.4485	1.9095	1.6495	0.7505	-1.6465	-0.7115
0.2055	0.0845	-0.1355	0.1375	-0.1195	0.0115	-0.0035	-0.1695	-0.1445	0.5945	-0.1415	-0.0185	-0.1995	0.0215	-0.8525	0.7095	0.7115	-0.6495	1.1365	0.8655	-0.2665	-0.1855	-0.1485	0.2845	0.1095	0.3965	0.6045	0.1635	0.1775	-0.2445

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018/ LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-MI LUMINAL	BR95-015(LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016' LUMINAL	UB78 LUMINAL
-0.1215	-0.3585	-1.1465	-0.6195	-0.4575	-0.7875	0.0615	0.5275	0.4845	-0.5525	0.2715	-0.0685	-1.1585	0.7035	1.1515	0.5525	0.3435	0.2775	0.7755	1.0825	0.0505	0.1535	0.5535	0.5965	0.2075	-0.1785	-0.3325	0.1165	0.2755	0.3435
0.403	-0.034	-0.59	-0.188	0.058	-0.233	-0.317	0.947	0.853	0.369	0.591	-0.063	-0.399	0.11	0.628	0.51	-0.022	-0.022	-0.393	-0.282	0.065	0.113	0.514	0.418	0.629	0.95	-0.082	0.722	0.986	-0.211
0.71	0.283	0.37	0.064	-0.633	-0.144	-0.307	0.413	0.56	0.583	0.67	0.304	0.351	-0.169	-0.625	0.583	0.681	-0.28	0.743	0.659	-0.026	0.027	0.082	0.391	0.006	0.69	1.131	0.47	0.495	0.097
0.6835	0.5375	0.5585	0.4135	0.1325	0.6935	-0.0355	1.0965	1.0555	0.4325	1.3855	-0.0525	0.7275	1.7535	1.3745	-0.2495	0.2225	0.1665	0.6245	0.9625	1.1135	0.6795	0.1955	1.7485	0.4895	1.2545	1.4685	1.5685	1.6095	0.9345
0.293	-0.083	0.144	-0.506	-0.595	-0.398	-0.65	0.73	0.611	0.193	0.712	-0.487	-0.333	-0.161	0.601	0.493	0.534	-0.139	0.728	-0.171	-0.484	-0.531	0.407	0.281	0.495	1.033	1.294	2.235	0.898	-0.244
0.1685	-0.0025	-0.6955	-0.3385	-0.1715	-0.1605	-0.3795	0.7285	0.8455	-0.0475	0.5745	0.0895	0.1605	0.8915	0.4215	1.0715	0.4645	0.0015	-0.0085	-0.0785	0.2655	-0.5385	0.6485	3.6385	2.6915	-0.3225	0.8615	0.1745	-0.4755	0.2215
-1.8965	-0.8205	0.7585	-1.0385	-2.0715	0.9355	-1.4625	-2.6785	-2.5785	-1.4305	0.1155	-1.1645	1.5475	-1.0235	-0.9605	-0.0545	0.0075	0.4615	-0.7635	-1.9275	-0.5565	-0.9915	-2.5055	-1.1985	-0.8395	0.8095	0.2555	0.3255	1.1305	0.6275
0.9675	0.4815	0.1305	0.1405	0.1065	-0.3165	-0.3515	-0.3035	-0.3325	0.7005	-0.1075	0.2885	0.2535	-0.7875	-0.6545	-0.8735	-0.1515	-0.3095	0.0795	-0.3965	-0.3465	-0.9255	-0.1825	-0.5675	-1.1055	-0.6375	-0.4065	-0.8575	-0.4135	0.7315
1.454	0.874	0.428	0.666	0.746	0.348	-0.65	0.363	0.699	0.706	0.235	0.264	0.277	1.693	0.097	0.432	-0.61	0.608	0.14	-0.733	0.626	0.342	-0.45	-0.696	-0.188	0.636	0.948	0.062	-0.137	-0.428
0.364	-0.256	0.037	0.827	0.107	2.288	0.022	2.235	2.184	0.309	-0.22	-1.115	1.385	3.793	0.048	-0.255	-0.164	-0.45	0.244	-0.695	-0.152	-0.204	-0.202	3.206	-0.019	0.013	-0.406	-0.027	-0.748	0.116
0.708	-0.583	-0.478	-0.208	-0.127	-0.254	1.311	1.226	1.027	0.273	0.67	0.848	1.188	0.991	1.171	0.95	-0.176	0.495	0.838	0.953	-0.224	-0.204	-0.121	1.43	0.472	0.715	-0.561	0.212	-0.969	1.215
0.3735	-0.1285	0.3675	0.1735	-0.0545	0.0465	-0.2385	0.2315	0.3805	0.0555	-0.0035	-0.0355	-0.0945	-0.4775	0.0015	-0.2885	-0.3815	0.1395	-0.5855	0.0985	-0.9015	0.1845	-0.3685	-0.4065	-0.1165	-0.3675	1.0455	-0.1745	-0.2285	0.4055
-0.228	-0.249	-0.33	-0.103	-0.542	0.025	-0.296	0.601	0.783	0.193	-0.3	0.463	-0.271	-0.766	-0.341	0.67	-0.13	-0.29	-0.561	-0.359	-0.13	-0.178	0.291	-0.188	0.121	0.075	0.503	0.193	0.578	-0.131
0.294	0.477	-0.343	-0.219	-0.004	-0.501	-0.497	0.362	0.589	0.285	-0.948	0.486	0.154	0.158	0.219	-0.018	-0.126	-0.003	-0.579	-0.806	-0.327	-0.518	-0.684	0.275	-0.131	0.715	-0.473	-0.647	0.003	0.053
-0.802	0.451	0.097	-0.197	-0.581	0.025	2.064	3.701	3.646	0.571	1.036	-0.631	0.445	-0.814	0.185	-0.959	0.051	-0.031	-0.77	3.823	1.308	2.655	-0.434	0.048	1.162	-0.524	2.199	0.854	0.429	0.965
2.495	-0.02	1.03	1.071	1.669	1.392	-0.325	0.6	0.905	1.675	0.141	-0.761	0.463	0.408	1.329	-0.291	1.398	1.715	2.107	2.294	1.071	1.714	2.553	-0.176	-0.276	-0.603	-0.441	0.609	-0.207	0.065
0.8965	0.2365	-0.2905	0.7315	-0.2635	-0.3565	-0.6975	-0.1025	-0.1435	0.2945	-0.0695	-0.3295	0.1455	-0.1355	-0.2265	-0.5725	0.2675	-0.4565	0.0385	-0.0125	0.3965	0.2545	-0.6685	-0.0765	-0.0175	-0.6755	-0.3265	-0.6385	-0.7175	-0.2315
-0.5415	-2.8095	-1.1165	-0.6575	-0.4495	-0.4145	-1.0315	0.0465	0.2015	-0.4585	0.0155	0.1875	-0.5355	0.9575	-0.1165	-0.6185	0.0815	0.8695	1.4545	0.3625	-0.0395	0.5715	0.1685	0.4665	0.8765	0.6565	0.5455	-0.1375	-0.0085	0.3745
0.223	0.764	-0.586	-0.191	-0.012	-0.577	-0.561	0.44	0.562	0.202	-0.352	-0.12	0.468	-0.802	-0.347	-0.085	0.04	-0.016	1.38	-0.053	-0.758	-0.732	0.972	-0.161	-0.429	-0.498	0.147	0.558	-0.413	0.092
0.8825	-0.5275	-0.2945	-0.1135	-0.3755	-0.0575	1.0135	0.3885	0.2985	1.1395	-0.3405	0.3195	0.5015	0.0515	0.2265	-0.6305	1.1285	1.2965	1.1475	1.6315	1.0405	0.5145	0.1815	0.6245	-0.0955	-0.9415	-0.0435	0.2525	0.2025	0.8425
-0.4395	-0.7535	-0.7325	0.0925	1.4175	0.4145	-0.1185	0.0375	0.0285	1.3845	0.2335	-0.4695	-0.1165	-0.2465	0.0715	-0.8395	1.6305	0.7145	1.4825	0.9395	0.0765	-0.0245	0.6785	0.2805	0.5225	-0.3315	0.2935	1.0285	-1.3295	-0.1325
0.7635	0.3585	-0.5005	0.2705	-0.0645	-0.5255	-0.5465	0.6005	0.6315	0.0315	0.4665	0.3285	-0.5045	-0.0995	-0.4515	0.1735	-0.1535	0.0175	1.1035	0.2435	0.0445	-0.2465	-0.3445	-0.0385	0.1585	1.5695	0.2055	-0.7615	-0.8035	0.5725
0.122	0.092	3.755	1.41	0.051	0.347	1.045	-1.133	-1.017	1.147	-0.224	0.839	1.761	0.692	2.132	0.122	2.055	1.376	0.119	0.563	1.505	0.984	1.346	-0.804	1.839	0.674	-1.84	0.161	-2.103	-0.291
-1.055	-0.528	-0.121	-0.797	-0.252	-0.676	-0.507	0.868	0.834	-1.35	-0.833	-0.936	-1.039	-0.627	0.225	-1.102	2.055	0.24	0.951	1.032	-0.917	-0.401	0.475	-0.897	-0.224	-0.455	-0.682	-0.932	0.979	-0.798
-0.4315	0.5115	-0.1455	0.6575	0.2665	0.3745	-0.0425	-0.6585	-0.4975	0.9425	0.5675	-0.6965	0.5465	0.7445	-0.0495	-0.6015	1.9255	-0.5175	-0.0815	-0.2595	-0.7725	-0.9675	0.8735	1.4765	-0.8625	-1.1265	0.5955	0.0255	0.3175	0.1955
3.242	-0.165	0.338	0.189	0.534	-0.309	1.513	1.105	1.11	1.405	2.605	-1.063	4.256	2.8	1.279	1.034	-1.126	-0.456	0.969	0.889	3.431	2.104	-0.551	0.271	0.913	0.151	0.648	1.055	1.948	0.192
-0.1245	0.7915	0.6995	-0.2975	-0.7215	-0.6005	-0.6125	0.6815	0.6005	0.7885	-0.0635	-0.1655	0.7405	-1.1175	0.7865	1.0955	0.6765	-0.3025	0.8515	0.1915	-0.2485	0.2295	0.5705	1.8095	-0.4145	-1.0395	0.0365	1.7355	-0.0575	0.0635
0.268	0.028	-0.548	0.097	0.213	0.028	0.268	0.236	0.107	0.453	0.014	-0.19	0.408	0.389	0.275	-0.018	0.152	0.232	0.482	-0.612	-0.217	-0.37	-0.242	-0.042	-0.103	-0.301	-0.765	-0.457	-0.745	0.189
0.168	-0.242	-0.275	-0.002	-0.484	0.351	-0.141	-0.502	-0.252	0.007	-0.845	-0.232	-0.402	-1.42	-0.831	-0.558	-0.079	0.13	0.71	-0.583	-1.133	-0.98	-0.432	-0.018	1.435	0.291	0.424	0.126	-0.824	-0.208
-0.602	0.207	-0.284	0.024	-0.016	-0.373	0.183	0.037	0.038	1.045	-0.339	1.59	0.24	0.329	-0.328	1.616	1.12	0.159	0.581	-0.85	0.279	-0.481	1.866	-0.25	0.294	-0.077	0.783	1.02	1.033	-0.282
-0.392	0.047	-0.192	0.289	0.542	0.147	-0.003	-0.638	-0.688	0.096	-1.492	-0.614	0.371	0.105	-0.149	1.142	0.045	0.335	0.5	0.99	-1.635	0.047	0.594	0.489	-1.504	-0.969	-0.178	0.79	0.857	-1.252
0.3335	-0.0875	-0.5305	-0.2885	-0.5185	-0.1075	0.0325	0.2435	0.2395	0.0395	-0.1085	-0.5535	-0.0435	-0.9525	-0.2965	-0.2345	0.6735	-0.1535	-0.0555	0.0085	-0.3225	-0.0285	0.3355	1.2065	0.0045	0.2395	0.1765	-0.0315	-0.1375	0.6005
1.696	0.089	0.182	-0.027	-0.538	-0.017	-0.682	-0.788	-1.283	-0.45	1.261	-0.858	1.06	1.171	0.281	0.595	0.417	-0.533	0.311	2.286	0.313	3.516	-0.833	-1.226	1.281	-0.015	1.824	0.168	0.681	1.07
0.105	0.173	0.001	0.053	-0.102	-0.291	0.047	0.609	0.541	0.132	-0.27	-0.575	-0.484	-0.062	-0.167	-0.22	-0.036	0.005	-0.416	0.082	0.117	-0.206	-0.834	0.053	0.192	-0.333	-0.116	-0.108	0.339	0.127
-0.0005	-0.7035	-0.2145	1.1465	-0.4925	0.8595	0.0695	-0.6505	-0.6945	0.4995	-0.2355	0.6965	-0.3715	0.4575	-0.3055	-0.4965	-0.1315	0.3865	0.3585	-0.1695	1.2245	1.9355	-0.1275	0.6875	-0.1795	2.0325	0.6645	-0.0615	-0.6755	0.0205
-0.872	0.437	-0.802	-0.829	2.25	0.896	1.512	-0.987	-1.067	0.703	1.483	0.094	0.441	-0.598	-1.661	2.343	2.484	-0.942	1.789	-0.506	1.887	0.729	2.064	1.421	-0.364	-0.303	2.285	2.217	-0.848	1.483
0.365	0.088	-0.073	0.188	0.252	-0.046	-0.095	0.451	0.419	-0.089	-0.078	0.319	-0.527	-0.69	-1.089	-0.107	-0.707	0.082	-0.339	-0.476	-1.063	-0.782	-0.601	0.23	-0.78	0.089	0.152	-0.164	-0.646	0.127
-0.394	-1.357	-0.352	-0.794	-0.687	0.227	-1.714	-0.584	-0.503	-0.821	-0.084	0.071	0.074	0.203	-0.216	0.773	0.457	1.082	1.303	1.227	0.557	1.714	0.702	0.356	0.763	0.096	1.248	0.076	0.887	1.479
0.1385	0.4405	0.2505	0.4515	0.6745	0.3295	0.4495	0.0025	0.0355	0.6315	0.2505	0.3095	0.6025	0.6225	-0.0195	0.8445	0.2555	0.5055	0.7905	0.5475	0.7235	0.6875	0.8175	-0.7155	-0.7095	-0.2925	0.4365	0.0895	0.5365	0.3495
-0.5175	1.3415	-0.7355	-1.1975	-1.3845	-0.5545	-1.7385	-0.6095	-0.5465	-0.8525	-0.1275	-0.0115	-0.2395	0.0115	0.7415	0.6115	-0.5565	1.4805	1.0795	1.6165	1.1645	0.8475	-0.6695	0.1845	0.8745	0.1315	0.3905	0.2625	0.3385	1.2215
-0.761	-1.085	-0.438	-0.625	-0.658	-0.169	-1.501	0.255	0.205	-0.345	0.182	0.577	-0.596	0.143	-0.432	0.587	0.223	1.005	1.595	1.812	0.622	0.531	-0.066	0.188	0.336	0.132	0.589	0.129	0.495	0.116
-0.343	-0.103	0.342	0.113	-0.154	-0.235	0.384	-0.542	-0.548	-0.255	0.284	-0.034	-0.213	-0.335	-0.051	0.268	-0.019	0.027	-0.259	-0.468	0.261	0.064	-0.123	-0.221	0.03	-0.048	0.207	-0.031	0.168	-0.08
-0.6395	-1.8385	-1.1955	-0.2115	-0.7415	-0.4805	-1.3685	-0.6285	-0.5655	-0.8815	-0.0625	0.0515	-0.4925	0.1135	0.7915	0.4835	0.5105	1.5085	-0.2675	0.0005	0.6965	0.4245	-0.2225	0.1035	0.6555	-0.3715	0.1535	0.2165	0.7665	0.5785
-0.426	-1.106	0.204	-0.576	-1.026	-0.016	-2.122	-0.716	-0.736	-0.706	-0.726	0.035	-0.802	1.505	0.421	0.197	0.331	1.442	2.114	1.974	0.398	0.884	0.916	1.404	0.834	0.587	1.053	0.436	0.32	1.744
-0.5285	0.1075	-0.4955	-0.1855	-0.2875	-0.1555	-0.4375	-0.1135	0.0405	-0.2005	-0.1715	-1.1285	-0.4185	-0.3525	-0.1965	0.6255	-0.1905	0.5555	0.0325	0.6445	-0.1075	0.0065	0.0515	1.4965	0.0305	-0.4065	-0.6205	-0.3975	0.1485	-0.2715
0.0575	-0.5705	-1.3845	-1.0055	-1.7395	-0.2395	-0.3285	0.5625	0.7495	-0.0035	-1.9435	0.3195	1.2245	-1.6015	-1.7275	-0.7385	-2.0625	-0.3665	0.0095	-1.0025	-1.9325	-1.5125	1.4725	-0.6815	-1.5675	0.7635	1.2775	-1.1425	-1.0705	-0.7535
0.1085	-0.2835	0.0335	-0.1675	-0.1375	-0.1735	-0.1075	-0.3605	-0.3505	0.0265	-0.8345	0.2795	0.0355	-0.5825	0.0395	0.5995	0.4245	0.5255	1.3905	1.1235	0.8235	0.3975	0.3505	0.2935	0.1115	-0.5645	0.2425	-0.0175	-0.3535	0.3275
0.618	-0.35	-0.138	-0.353	-0.638	0.848	0.193	0.63	0.652	0.991	0.385	0.671	0.695	-0.791	0.922	-0.398	-0.136	0.716	2.06	0.486	2.271	0.834	0.209	-0.779	0.051	-0.897	0.105	-0.029	-1.247	-0.032
-0.1915	-0.6655	-0.1505	-0.3365	0.1525	-0.1385	0.2605	-0.2945	-0.2495	-0.0425	0.0635	-0.3895	-1.4725	-0.8495	-0.5785	0.0755	0.4375	0.0335	0.6695	-0.3725	-1.0705	-0.6125	-0.0245	0.1495	-0.3335	-0.1855	0.0095	0.5435	-0.3905	-0.0245
-0.1185	0.2425	0.2405	0.3255	0.1745	0.1395	0.3475	0.1435	0.1985	0.3665	-0.1265	-0.9085	0.5565	-0.5465	-0.4855	0.2145	0.0495	0.4105	0.1625	0.8535	0.4415	-0.5035	-0.0325	-0.1895	-0.1885	0.3765	-0.5575	-0.1315	0.2785	-0.0775
1.774	0.476	-0.707	0.248	-0.448	1.765	0.31	0.662	0.711	0.701	0.442	-0.512	1.236	0.379	-0.542	0.294	-0.35	1.314	1.164	0.412	-0.16	-0.521	-0.633	-0.569	0.6	-0.104	-0.841	0.333	-0.662	1.325
-0.455	0.774	-0.078	0.278	0.438	-0.012	-0.514	-0.156	-0.102	0.01	-0.065	-0.045	0.075	0.601	-0.788	0.224	0.56	0.162	-0.006	0.059	0.002	-0.057	0.224	-0.289	0.034	0.31	0.104	0.269	-0.316	-0.529
0.623	0.48	0.725	-0.01	0.19	-0.148	0.517	0.554	0.544	0.207	1.495	-0.028	0.22	-0.014	0.661	0.406	-0.406	0.411	0.657	1.092	0.359	0.435	-0.56	-0.072	0.291	0.031	0.705	0.462	1.172	0.083
0.06	-0.214	0.021	-0.069	-0.449	-0.027	-0.078	-0.073	-0.2	-0.047	0.601	-0.834	-0.133	-0.042	0.035	-0.192	-0.31	-0.323	0.072	0.123	-0.089	0.106	-0.742	0.108	0.044	0.081	-0.234	-0.138	0.129	0.008
-0.1975	-0.4315	-0.8355	0.0445	0.2365	0.3535	-0.8445	-0.2205	-0.1975	0.3925	-0.4905	-0.6425	-0.1945	-0.6985	-0.8005	-0.5355	0.0815	-0.4825	-0.7285	0.4125	-0.1965	-0.9845	-0.4065	0.7415	-0.6365	-0.0895	0.1925	0.3795	-0.8615	-0.0145
-0.071	0.014	0.404	0.017	0.41	-0.189	0.029	1.184	1.126	-0.077	0.474	0.203	0.688	-0.01	0.899	0.623	0.323	0.087	-0.239	0.507	0.18	0.329	-0.808	-0.52	0.222	-1.083	-0.001	0.137	0.674	0.26
0.904	-0.058	-0.312	-0.541	0.066	-0.09	0.898	0.246	0.256	1.465	-1.174	1.079	0.299	0.082	0.664	3.053	1.112	1.265	2.075	2.962	0.976	0.546	1.689	0.994	0.446	1.808	2.338	0.457	-0.288	0.604
-0.76	0.556	-0.087	0.002	-0.241	0.006	0.475	3.65	3.227	0.801	0.317	0.831	2.2	0.194	0.337	1.305	1.51	0.176	0.955	1.806	0.984	1.035	1.265	-0.686	-0.483	1.112	1.391	1.15	0.813	-0.211
0.1215	-0.3935	-0.1565	-0.5025	-0.4175	-0.3185	-0.6635	0.3585	0.4705	-0.2915	-0.1775	-0.4725	0.0825	0.0845	-0.1395	0.0475	0.0635	1.1615	1.1525	1.3765	-0.1355	0.6515	0.6325	-0.3095	0.6535	-0.1695	0.3595	-0.3155	-0.5595	0.3195
-0.3095	-0.2395	-0.0485	-0.0845	-0.1215	-0.0035	-0.0265	-0.1475	-0.1665	0.5805	-1.8225	0.1755	-0.8765	-0.6725	-0.5225	-0.1595	0.2265	0.1465	0.1695	-0.1945	0.3745	-0.0365	-0.2915	0.3135	-0.7265	-0.3365	-0.6355	0.5125	-0.3325	-0.6165
0.1455	-0.1765	-0.1815	-0.0835	-0.7485	-0.1215	-0.5915	0.1685	0.1915	0.2075	-0.3115	-1.4305	-0.6075	-1.2625	-0.3535	-0.7135	0.1315	-0.0405	-0.0805	-0.4485	-0.1995	0.4255	-0.6155	-1.2005	-0.4885	-0.9745	-1.6385	-1.9145	-0.7895	0.4535
0.1515	-0.0555	-0.3265	0.0965	-0.3625	-0.0505	-0.3175	0.8465	0.8645	-0.4225	-0.8135	0.1365	0.5865	0.4615	0.0435	-1.0115	1.0445	1.7805	1.9085	1.6335	1.0735	0.2745	1.1295	1.4935	1.1735	1.5805	1.9275	0.2805	0.1835	0.0645
0.667	0.128	0.187	0.116	0.355	-0.023	0.929	0.367	0.361	0.58	0.02	-0.417	0.4	-0.567	-0.217	0.455	0.175	0.598	0.036	0.555	1.054	0.654	0.43	-0.547	-0.297	-0.005	-0.447	0.441	0.344	0.102
0.648	-0.031	0.164	-0.272	-0.174	0.092	0.034	0.106	0.156	0.666	0.174	-0.901	-0.555	-0.766	-0.019	-0.096	0.309	-0.027	1.115	-0.285	-0.305	-0.478	-0.086	0.06	-0.504	-0.399	0.217	-0.255	0.337	-0.216
0.993	1.323	0.48	0.543	0.054	0.438	0.014	0.492	0.549	0.707	2.434	0.293	4.909	1.526	-0.263	0.879	2.772	2.094	1.169	1.85	-0.093	-0.205	0.145	0.296	-0.593	-0.342	0.852	0.915	-0.346	0.665
-0.379	-0.344	-0.636	-0.048	0.31	-0.077	-0.015	-0.172	-0.103	-0.135	-0.358	-0.409	0.221	-0.629	0.334	0.05	0.231	-0.466	-0.386	-0.511	0.281	0.062	0.262	0.952	0.287	0.136	-0.265	-0.04	-0.374	0.354
0.798	0.409	0.518	-0.43	0.2	0.089	0.838	0.315	0.457	0.414	0.063	0.358	0.433	0.171	0.87	0.875	0.894	0.566	1.185	0.517	0.743	0.202	0.517	-0.3	-0.575	-0.476	-0.247	0.885	-0.479	0.111
0.3695	0.2355	0.2875	-0.1285	-0.2435	-0.3675	-0.1535	0.4935	0.5335	0.7515	0.0555	0.0825	-0.2165	-0.3335	0.2175	0.4325	0.4725	0.2035	0.3135	0.1585	0.1105	0.0095	-0.0935	-0.0755	0.0375	-0.5645	-0.0375	0.2425	0.5095	-0.3765
-0.8375	-0.1515	0.4085	-0.3325	-0.1695	-0.2075	-0.0225	-0.6125	-1.1615	-1.2365	-0.2045	-0.1485	-0.6185	-0.8165	0.0365	-1.3045	-0.2605	-0.5945	-0.6645	-0.4165	-0.6275	-0.6475	-1.1115	-0.3505	-0.7505	-1.3925	-0.9975	-0.5475	-0.3155	1.0685
0.256	0.163	0.243	-0.008	-0.268	-0.102	0.509	0.277	0.367	0.184	-0.128	0.348	0.122	-0.66	-0.425	0.549	0.531	0.591	2.335	0.864	0.742	0.099	0.88	-0.578	0.577	0.745	0.648	0.265	-0.505	0.194
-0.7875	0.5785	0.4045	1.1285	0.0055	1.6055	-0.8845	1.9725	1.9625	-0.4505	-1.6115	-1.1005	0.2275	-0.6595	-0.8245	-1.8775	1.1955	1.3535	-1.5765	0.0175	-0.6485	-1.5605	1.0665	1.0785	-1.1315	-1.5585	-1.7375	-0.1305	-1.0285	-0.7905
0.0855	-0.1845	0.1755	0.2685	0.3805	0.1795	-0.2265	0.6485	0.7595	0.4715	-0.0085	-0.3775	0.0195	-0.5685	-1.2105	-0.2375	0.1875	0.3755	-0.5745	-0.5365	-0.2265	-0.0965	-0.5195	-1.0485	-0.7315	-0.3575	-0.2915	-0.0565	-0.2775	-0.3735
0.248	-0.328	0.063	-0.354	-0.187	0.089	0.231	-0.258	-0.321	-0.142	-0.166	-0.327	-0.413	-0.593	-0.389	-0.254	-0.9	-0.138	-0.248	-0.514	-0.249	1.153	0.277	-0.606	-0.428	-0.712	-0.738	-0.303	-0.154	0.541
0.119	-0.502	0.012	-0.146	-0.064	-0.099	0	0.03	0.143	0.558	-0.248	-0.158	-0.359	0.201	-0.405	0.216	-0.26	0.18	-0.543	-0.269	0.142	-0.188	0.132	0.304	-0.562	0.049	-0.328	-0.63	-0.425	0.002
0.273	0.275	0.985	0.074	0.334	0.215	0.167	0.347	0.289	0.24	0.228	-1.066	0.025	-0.424	0.301	-0.2	0.503	0.47	0.402	0.928	0.884	0.994	-0.76	-0.141	0.159	-0.559	-0.462	0.556	1.002	-0.034

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018(LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-ME LUMINAL	BR95-015(LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016(LUMINAL	UB78 LUMINAL
-0.2535	-0.0275	-0.2875	-0.1695	0.0905	0.0275	-0.4905	0.5405	0.5665	0.8605	0.1495	-0.8285	-0.4845	0.2135	-0.4535	-0.8595	-0.2425	0.4215	-0.5845	-0.4855	-0.2705	-0.2545	-0.0905	-0.2395	0.0065	0.3005	-0.2365	-0.5145	-0.2365	-0.0885
0.157	-0.14	0.422	-0.149	-0.049	0.052	0.358	0.23	0.62	-0.114	-0.069	-1.126	-0.116	-0.29	-0.318	0.847	0.449	0.02	-0.02	-0.194	0.069	-0.166	0.089	2.561	1.451	1.375	1.432	-0.418	-0.743	0.527
0.255	-0.348	-0.043	-0.037	-0.332	0.199	0.424	0.061	0.207	0.411	-0.516	-0.061	-0.061	-0.804	-0.976	1.031	0.388	0.168	0.697	0.533	0.111	-0.445	0.287	0.696	-0.164	-0.818	-0.481	0.394	0.623	0.205
-0.263	0.285	-0.283	0.282	0.308	-0.141	0.387	0.135	0.214	0.989	-0.314	-0.221	0.632	-0.843	-1.149	-0.626	0.979	0.062	-0.1	0.042	0.354	-0.08	-0.278	-0.592	-0.627	-0.781	-0.045	-0.169	-0.438	-0.498
-0.4565	-0.3945	-0.7655	0.0345	0.1145	0.2285	-0.0815	-0.3245	-0.2975	0.5075	0.0515	0.0265	-0.1125	-0.2675	-0.7835	0.0205	0.0145	0.4495	0.0325	0.2735	-0.0095	-0.1065	-0.1285	-0.6405	0.2725	-0.0375	0.0375	0.1385	-0.6835	-0.2495
-0.3545	-0.7375	-0.0755	-0.0305	0.2965	0.2565	-0.2685	0.2115	0.2125	0.7525	0.2205	-0.8225	0.0595	0.0185	0.0025	-0.7845	-0.0025	0.5215	-0.9465	0.1345	0.1395	-0.1245	0.2405	-0.0765	-0.1975	-0.0125	-0.1485	0.0515	-0.1775	0.0795
0.3615	-0.0385	0.0965	0.1235	0.0205	-0.0645	0.0005	0.4325	0.2955	0.6395	0.1805	-0.3975	-0.1735	-0.0535	-0.5725	0.0365	0.4725	0.0495	0.1975	0.3765	-0.1675	0.1185	-0.1595	-0.1965	-0.3575	1.2275	0.4275	0.1775	-0.3085	0.0115
0.0625	-0.5065	-0.5605	-0.1665	-0.3085	-0.0655	-0.2295	0.1395	0.3325	0.6745	-0.8235	-0.0665	-0.3505	-0.8385	-0.8585	0.1175	-0.2565	0.2045	0.0155	-0.1225	-0.4515	-0.3305	0.1975	-0.7775	-0.8475	-0.5295	-1.0595	-0.7695	-0.5315	0.1065
-0.0185	-2.1695	0.4225	0.5625	0.6855	0.1185	-0.4165	-2.7505	-1.4555	-1.7465	0.1195	-0.4475	-0.9195	-0.7255	0.2085	-0.8095	-0.2325	0.0365	-1.9245	-2.1375	5.5965	-0.0585	-0.2835	-0.3085	0.4995	-0.7125	-0.5485	0.1015	0.2595	0.1765
0.1115	-0.0535	0.4785	0.0605	0.0705	-0.0205	0.2025	0.0385	0.0825	0.2125	-0.0325	-0.7265	0.0945	-0.3095	-0.3665	-0.3205	0.3455	0.0835	-0.0935	0.8145	-0.1705	-0.1545	-0.4585	-0.5465	-0.3465	-0.5635	-0.2365	0.3595	-0.9115	0.0805
0.0055	-0.3095	-0.4745	0.3635	0.0575	0.0965	0.1355	0.3205	0.3955	-0.4205	-0.5845	-0.6025	-0.5955	-0.3915	-1.1195	-0.0845	-0.2235	-0.3325	0.0565	0.0345	-0.7845	-0.4585	0.6605	-0.2785	-0.4325	0.0855	-0.5045	-0.7695	-0.2655	-0.2705
0.175	-0.162	0.459	-0.535	-0.046	0.003	0.414	0.128	0.209	0.128	-0.255	0.472	0.449	-1.109	0.231	0.822	-0.057	1.309	0.913	1.388	1.536	1.648	0.908	-0.417	-0.101	-0.095	0.863	0.385	0.59	0.753
-0.827	1.469	-1.998	-1.634	-1.412	-0.913	-2.233	-0.758	-0.637	-0.615	0.103	-0.942	-0.629	-0.671	0.244	-0.106	-0.036	0.433	0.619	0.676	-0.068	0.509	0.044	0.191	2.006	0.678	0.471	0.157	1.152	0.04
0.138	0.121	0.27	-0.444	0.324	-0.199	-0.203	0.304	0.285	-0.122	0.32	0.014	-0.074	-0.405	-0.314	-0.328	-0.287	-0.178	-0.137	-0.003	-0.354	0.17	-0.013	-0.002	-0.177	1.159	-0.753	-0.094	-0.253	0.251
-0.384	0.921	0.524	0.082	-0.827	0.424	-1.163	0.506	0.388	0.005	0.203	-1.834	-0.043	1.206	-0.382	-0.653	0.358	1.566	-1.367	1.789	-2.728	0.853	-0.633	-1.77	-1.786	-1.202	-0.451	0.007	-1.265	-1.037
-0.0895	-0.3525	-0.2535	0.2225	0.1395	0.2415	-0.2725	-0.1725	-0.2575	-0.0665	0.1695	-0.8425	-0.6415	0.0315	-0.2745	-0.2335	-0.2225	-0.5335	-0.3515	-1.0245	-0.4545	-0.6755	-0.2485	-0.0355	-0.0055	0.0115	-0.3465	-0.0445	-0.1115	0.0055
-0.0955	-0.0295	-0.7665	0.0415	-0.0045	-0.1185	-0.2845	-0.0125	-0.0065	0.1465	0.3815	-0.0415	0.2135	-1.4035	-0.5875	-0.2805	0.8545	-0.2665	0.1205	-0.5805	-0.1285	-0.6665	-0.2415	0.7275	2.3205	-0.0655	-0.4755	-0.9725	-0.0875	-0.3145
-0.073	-0.827	-0.753	-0.145	0.213	-0.154	0.286	-0.685	-0.605	0.287	-0.216	0.19	0.701	0.011	-0.039	-0.005	-0.345	0.02	-0.127	-0.547	-0.933	-0.851	0.426	0.06	0.187	0.321	-0.556	-0.602	-0.906	-0.923
1.179	0.004	-0.652	0.136	0.742	0.762	0.722	0.399	0.28	1.321	-3.098	-3.213	2.67	0.794	-1.959	-1.286	-0.583	-0.164	-0.63	0.649	0.614	0.09	-2.062	1.991	1.325	0.944	1.102	0.115	-1.004	0.911
0.247	-0.716	-0.004	0.486	0.386	0.47	1.415	-0.455	-0.461	0.984	-1.496	-1.448	2.159	0.156	-1.999	-2.426	-1.16	-0.56	0.256	0.304	0.191	-0.805	-1.522	1.636	1.879	0.662	0.641	-0.08	-2.135	1.348
-2.1685	-0.4765	-1.7285	-0.9065	-0.7035	2.9595	4.6365	0.4735	0.5635	2.0915	-1.5595	-1.5455	1.4635	-1.0195	-1.4715	-1.3165	-1.4945	-0.0295	-1.1375	-1.9775	-2.1175	-1.1335	0.6325	0.8785	-1.0115	-1.2355	-0.8105	-1.1925	-1.7475	-0.4765
-0.1905	0.3225	-0.4455	-0.3725	-0.2255	-0.5245	-0.2815	-0.3385	-0.2605	0.1325	0.3645	0.0675	0.1785	0.1935	-0.5195	0.9035	0.2905	0.1705	0.4465	0.2515	0.6315	0.6025	0.2225	0.2275	0.3665	0.4625	-0.4915	0.0835	0.5555	0.3805
0.235	0.813	1.568	0.522	0.827	0.533	-0.851	0.751	0.766	0.646	-0.193	0.515	-0.508	-0.1	-0.42	-0.459	1.717	1.564	1.468	1.377	0.286	0.467	1.49	0.084	-0.584	-1.231	-0.158	-0.172	-0.108	-0.286
0.5155	0.0205	-0.1315	-0.0685	-0.3075	-0.4475	0.2175	0.3665	0.3005	0.5475	-0.6655	-0.2995	-0.3135	-0.3885	-0.0485	-0.3605	0.7265	0.3445	0.9195	-0.3565	-0.3695	-0.1625	0.2215	-0.0405	-0.6475	0.8585	0.5645	0.5765	-0.3775	-0.2225
-0.288	0.087	0.022	-0.552	-0.421	-0.678	0.605	0.803	0.666	0.764	-0.09	0.779	0.391	-0.032	0.521	0.835	0.739	-0.087	1.734	0.352	-0.219	0.363	0	0.268	0.477	0.803	0.357	0.491	0.544	0.283
0.0055	0.4575	0.0415	0.5655	-0.1085	0.2945	0.0595	0.4475	1.0265	0.5015	-0.3045	-0.1205	0.2835	0.3285	0.0985	0.1145	-0.0545	0.0915	0.1635	0.1575	0.6445	0.6645	-0.0625	0.3095	0.3425	0.0425	-0.3965	0.5485	0.2185	-0.4735
0.499	-1.03	-0.593	0.071	-0.511	0.298	0.048	-0.166	0.561	0.528	-0.492	-0.416	1.469	-0.467	-0.334	1.05	-0.037	-0.021	-0.213	-0.485	-0.109	0.158	0.396	2.202	1.763	0.321	-0.389	-0.23	-0.561	-0.481
-0.068	0.384	0.203	1.043	0.209	0.523	0.866	-1.224	-1.05	-2.078	-0.742	-1.014	0.097	-0.64	1.013	0.565	0.893	0.56	-1.924	0.799	1.456	-0.595	-0.738	0.518	1.494	0.555	1.162	-0.809	-0.408	-0.922
0.0605	0.7585	-0.7565	-0.3975	-0.4375	-0.1925	-1.3805	0.0195	0.0855	0.8265	-1.2605	0.1845	-0.0315	-1.6735	-0.9705	-0.1885	-0.1225	0.1665	-0.9935	-0.7935	-0.8285	-1.0395	-0.5125	-1.6395	-0.7355	-0.6705	0.9555	-0.7355	-1.5365	-0.6755
0.145	0.244	-0.142	0.107	0.286	0.708	-0.583	-0.404	-0.452	-0.573	-0.125	0.625	0.538	0.517	1.34	1.183	-0.696	0.903	-0.159	0.288	0.555	0.223	-0.51	1.053	-0.134	0.268	-0.598	0.061	-0.437	0.931
0.9665	-1.2895	-2.3165	1.1785	1.4205	0.2145	-0.8935	0.1015	0.1345	0.0545	-0.8045	-0.6415	0.1815	-1.4255	1.1335	-0.4315	-0.0285	-0.7815	-0.5275	-0.2965	-0.5345	-0.5225	-0.1645	0.3265	0.1805	0.5995	-2.3055	-1.4105	0.3495	-0.9775
-0.884	0.412	0.859	-0.61	-1.114	-0.077	-0.792	0	0.036	-0.663	-0.49	-0.009	-0.08	-0.231	0.684	-0.557	0.437	0	-1.568	-0.288	-0.125	1.353	-0.26	0.287	-0.073	-0.007	-0.302	-0.464	0.144	0.313
0.161	-0.166	0.036	-0.137	0.308	0.13	-0.465	0.543	0.665	0.407	-0.011	-0.904	-0.553	-0.477	-0.572	-0.121	0.268	0.233	0.157	0.031	-0.897	-0.37	-0.249	-0.696	-0.355	-0.029	-0.317	-0.85	-0.041	-0.2
-0.0125	-0.2545	-0.2445	0.1625	-0.0665	0.2425	-0.0485	-0.1955	-0.1155	0.7995	-0.2195	0.2765	-0.2285	0.3985	0.2235	-0.2455	-0.0925	0.2835	1.1085	0.5945	-0.3285	0.1765	0.2885	0.9585	-1.2165	0.2785	0.1595	-0.0665	0.3535	0.3665
0.2635	0.0055	-0.4785	0.1145	0.0925	-0.1185	0.1175	-0.2655	-0.2735	-0.0235	0.1105	-0.8705	-0.2165	-0.2665	0.3805	-0.1615	0.1675	0.0445	-0.5675	-1.0355	0.1535	-0.1275	-0.2745	-0.1055	-0.1305	0.4625	-0.2065	-0.1495	-0.1925	0.7325
0.505	0.33	0.34	-0.01	-0.089	0.116	0.151	0.18	0.03	0.437	-0.173	0.503	0.009	0.258	0.019	0.273	0.233	-0.504	0.061	1.123	0.363	-0.492	0.552	0.783	0.177	0.083	-0.133	-0.143	-1.499	0.789
1.4725	-0.3585	-0.5235	0.8475	0.3155	2.0415	3.5275	-0.5105	-0.2835	0.7135	-0.4585	2.1695	2.1785	2.2065	2.1925	-0.7595	0.6755	0.5465	-0.5535	-2.0025	1.5585	0.0495	0.8645	-0.3675	0.3985	0.8635	1.7535	1.3445	0.8965	1.0935
0.399	0.073	1.33	1.076	0.611	1.728	0.586	-0.028	-0.016	1.02	0.184	0.26	2.379	-0.217	0.704	-1.091	-0.263	0.815	1.16	0.454	0.167	-0.926	-1.292	0.88	0.313	0.081	-0.892	0.976	0.755	0.824
0.3925	0.1295	-0.3535	0.1085	0.3455	-0.0795	0.4415	-0.1145	-0.0135	0.0735	0.3235	-0.4235	0.4255	1.6625	0.2295	0.6425	-0.2965	0.3805	0.6785	0.7515	-0.0265	0.1095	-0.2555	0.6675	-1.6615	1.5425	0.0415	-0.2515	0.6945	-0.0275
-0.1825	0.7685	0.6575	0.4955	-0.2185	-0.0625	-0.0505	0.4945	0.4335	0.6715	-0.0045	2.2905	0.1565	0.0685	-0.0475	0.2385	0.4125	0.0055	0.2085	0.1145	0.7105	-0.8685	-0.9995	0.2995	-0.0855	0.5175	1.3245	0.9655	-0.2465	0.8255
1.763	1.309	0.649	-0.914	-0.112	1.575	-0.656	2.314	2.268	1.014	-1.234	1.044	2.017	1.368	2.29	4.004	0.189	0.134	1.954	2.225	2.686	0.099	3.17	1.535	-1.048	1.817	4.11	3.028	1.859	1.816
-0.5045	-0.3525	0.0315	1.9605	-0.5185	0.6395	-0.3395	-1.0725	-1.1825	-1.2905	-0.2055	-1.2655	0.1505	-1.0785	0.1265	-1.7875	0.0405	-0.3265	-0.4145	-1.6535	-0.4945	-0.1845	-0.5885	-0.8845	0.0005	-0.8035	-1.6665	-0.9995	-0.0485	-0.6825
-2.39	0.113	-0.141	-1.293	-1.501	0.272	-0.506	-0.277	-0.26	-2.283	-1.124	-0.256	0.832	-1.611	-1.129	-2.228	-2.192	0.432	-2.126	-3.273	-2.026	-1.371	-2.029	-1.94	-1.507	-1.75	-2.155	-1.163	-1.322	0.802
-0.635	0.306	-0.097	0.323	-0.093	0.253	-0.369	0.38	0.313	0.153	0.141	0.857	0.643	-0.188	0.055	-0.333	0.893	-0.227	-0.137	-0.337	-0.634	-0.108	-0.165	0.468	0.396	-0.14	-0.249	0.018	0.188	0.402
1.192	0.411	0.844	1.285	0.477	0.718	-0.058	0.444	0.283	0.594	0.591	-1.243	-0.944	-0.798	-0.698	-0.453	0.214	0.168	-0.774	-1.213	0.54	0.233	0.222	-1.331	-0.02	0.863	-0.964	-0.081	-0.312	0.106
0.2525	0.0965	-0.1285	-0.3525	0.7385	-0.3055	-1.7605	-0.1825	-0.2495	-0.5575	-0.3585	-1.6465	0.5015	-1.5325	0.7515	-1.1165	0.3505	0.1885	-0.0505	0.4735	-0.5765	1.5695	-0.8615	-1.4965	-0.4815	-0.3065	-0.2145	1.4525	-1.0155	-0.6005
0.5195	1.7385	2.1155	0.6585	-0.0525	0.8725	2.8235	0.3405	0.2875	2.0525	-0.6265	2.2835	-0.2135	1.3835	-0.1035	-0.2575	1.4095	2.1755	1.1205	0.8685	-1.1285	-1.1435	1.3525	1.7945	1.1625	2.2505	-0.7625	-0.9245	-2.0595	-1.4955
0.255	-0.001	-0.097	-0.406	-0.232	-0.28	-0.347	0.142	0.192	0.258	0.114	0.403	-0.268	0.028	-0.028	-0.373	0.204	-0.159	0.298	0.292	-0.231	-0.161	-0.643	-0.022	-0.455	-0.178	0.259	-0.261	-0.201	-0.131
1.015	1.172	0.256	0.045	-0.747	0.5	-0.264	0.553	0.564	0.838	1.723	0.173	1.199	0.765	0.585	-0.004	0.866	0.234	-2.235	0.304	-0.095	-0.304	0.675	1.947	0.901	-0.117	1.974	0.89	2.079	1.751
-0.5235	-0.7945	-0.2755	-0.0035	-0.0735	0.2425	-0.0795	-0.1935	-0.2255	0.2015	-0.1885	0.1755	0.3175	0.0475	0.0345	-0.5145	-0.3205	-0.0045	-0.4335	-0.0025	-0.0825	-0.2115	0.1855	0.6195	-0.1455	0.2525	0.1975	0.0195	0.1375	0.1665
-1.541	-0.758	-0.731	-0.062	-0.657	0.088	-0.44	0.872	0.951	-0.126	-0.559	1.766	-0.139	-0.977	-0.264	0.679	-0.8	-0.207	-1.458	-1.042	-1.08	-0.428	0.179	0.278	0.277	0.614	1.726	0.853	0.767	0.737
0.268	1.12	-0.135	-0.564	0.109	-0.464	0.272	1.161	1.08	0.161	0.055	0.024	-0.092	0.02	0.1	-0.611	0.12	0.138	-0.182	0.615	0.237	0.855	0.588	-0.294	-0.044	0.057	-0.749	-0.464	-0.397	-0.288
0.6585	0.5945	0.7265	0.3875	0.9315	0.0185	0.8525	1.3005	1.2255	0.7145	0.2155	0.7245	0.3405	0.6845	-0.6325	0.6835	0.2655	0.3575	1.3165	1.1075	-0.1965	0.1115	0.2955	-0.1525	0.1105	0.0045	0.0615	-0.0045	0.8175	-0.4055
-0.2895	-0.2255	-0.1025	0.1975	0.1065	-0.1665	0.0665	-0.1245	-0.0095	-0.2085	0.2665	0.1305	-0.0585	0.2295	0.3335	-0.0225	0.0005	-0.0505	-0.7785	-0.2905	-0.1365	0.1035	-0.2255	0.4295	-0.2545	0.2595	-0.1905	0.1525	-0.2505	-0.0685
0.0605	0.5875	-0.4295	-0.2985	-0.1125	-0.0075	0.0325	-0.8665	-0.9455	-0.5375	-0.8665	-0.8285	-0.9265	-0.5865	-0.2925	-1.4975	-1.1755	-0.4615	-1.4545	-1.7125	-1.4325	-1.2215	-1.0115	2.1825	-1.1665	-0.9545	-0.9285	-0.8135	-1.1855	0.9595
2.382	0.937	0.402	-0.037	1.874	1.327	2.303	0.581	0.531	-0.88	0.481	1.166	1.435	4.008	1.267	2.146	0.748	0.413	1.122	1.247	1.498	0.133	3.498	1.72	-0.358	0.362	1.06	0.596	3.896	1.133
-0.4155	-0.0955	1.9035	0.1435	0.0185	0.7695	-0.8685	0.5575	0.5765	1.4005	-0.5815	0.0985	0.5205	1.4835	2.3235	2.2925	1.0075	1.1195	1.3605	0.3855	1.4775	-0.6645	1.2575	0.7445	0.9425	1.4495	1.2825	2.6315	0.7265	3.4025
2.325	0.285	2.972	3.626	0.127	1.971	-1.299	0.518	0.563	2.984	0.056	0.388	2.259	-1.736	-0.108	2.081	-0.752	4.089	0.912	2.507	-0.696	-0.349	2.509	0.436	0.429	0.098	1.502	2.02	-0.444	-0.32
-0.7545	0.2785	-0.2045	-0.7995	0.8295	2.3505	1.4975	1.0215	0.8605	0.4075	-1.3425	1.1645	3.8275	2.4365	2.8395	0.0355	-0.1735	-0.4065	3.4435	0.5725	3.3865	2.9205	0.2525	-0.4865	-1.4415	1.2255	1.3125	-0.4615	2.4155	1.1235
-1.7095	0.5505	0.4885	-1.6505	0.2285	-0.2575	-1.5855	1.1525	1.3845	0.7985	-0.6065	-2.2885	-0.7415	-0.9265	-0.6395	2.3535	0.1775	0.4085	0.5895	0.2315	-2.1935	1.1085	2.1065	0.0465	-1.5105	-1.7555	0.3505	-0.6785	-1.6735	-0.6565
-0.3425	0.4775	-0.0895	-0.2675	0.1585	-0.0635	0.6135	-0.3245	-0.3875	0.2075	-0.4795	0.5635	-0.1155	0.3115	-0.4515	-0.2925	0.0225	-0.8065	-1.5425	-0.2225	-0.2785	-1.2195	0.1275	0.8835	0.9815	-0.0205	1.2475	-0.1835	-0.5505	0.5255
0.698	-0.096	0.349	0.405	-0.062	-0.353	0.89	0.734	0.692	0.454	1.082	-2.452	-0.14	-0.28	0.627	0.392	1.083	-2.452	0.405	0.994	0.701	0.808	0.061	0.532	0.715	0.116	0.624	1.16	0.886	0.351
-0.275	-0.591	0.059	-0.463	-0.511	-0.095	-0.276	0.004	0.066	0.257	0.392	-0.334	-0.565	-0.709	-0.68	0.533	0.928	0.097	1.467	0.37	0.206	-0.124	-0.286	0.624	0.672	0.437	-0.41	-0.156	-0.002	0.451
1.595	1.94	1.523	1.869	-0.466	1.882	1.802	1.439	1.465	1.091	1.12	2.038	4.991	3.252	0.306	3.08	-0.364	2.532	1.995	0.684	3.112	0.322	-0.105	0.4	-0.203	0.837	0.358	-0.155	3.003	0.939
0.1165	0.3945	-0.1515	-0.4375	-0.0635	0.2965	0.2785	0.6215	0.6055	-0.0445	-0.6235	0.0095	-0.0975	0.1865	-0.1735	1.1495	0.5355	0.5625	1.1605	0.8875	1.3875	-0.0935	0.4605	0.7575	-0.9855	-0.9865	0.4455	-0.7575	-0.4815	0.2115
-0.674	-0.042	0.229	-0.525	0.225	-0.272	0.206	4.053	3.459	2.083	-0.016	0.071	-0.578	-0.316	0.359	-0.132	-0.277	-0.171	-0.139	-0.438	1.919	1.86	-0.117	0.166	-0.481	0.764	-0.638	0.046	0.219	-0.188
0.234	0.231	-0.003	-0.497	-0.051	0.353	-1.551	0.655	0.628	-0.176	-0.259	0.066	-0.24	0.12	-0.656	2.218	-0.485	0.949	0.863	1.446	1.063	0.127	-0.487	1.525	-0.923	1.367	-1.193	0.35	0.636	1.098
1.6565	1.5935	0.3405	0.5615	0.8385	1.7035	4.0305	4.2505	4.1535	2.2745	2.5895	2.6075	3.5855	2.2715	2.4895	3.8505	1.8975	3.6155	2.1755	4.4555	0.6665	-0.2735	3.3405	-0.8555	-0.0825	2.4405	2.6665	1.3415	0.4565	2.6055
0.806	2.028	2.592	1.975	1.343	2.407	-1.399	0.817	0.768	1.152	-1.925	0.175	-0.602	-0.685	-1.37	-0.437	0.313	2.59	-0.507	-2.546	-1.693	0.393	0.12	-0.976	0.491	-0.105	1.356	0.558	-0.678	-0.191
0.1065	0.0685	-0.0765	-0.1245	-0.1645	-0.3805	0.4225	-0.3325	-0.3175	-0.7205	-0.5705	-0.0635	0.0735	-0.4255	-0.1555	0.0995	-0.4075	-0.0285	-0.2045	0.3665	0.5745	0.3865	-0.2055	1.0535	-0.3315	-0.0505	-0.7945	0.0795	0.3255	-0.8425
-1.0885	-0.8155	-0.9475	-0.5415	0.0905	-0.1245	-1.0745	-0.2115	-0.2505	0.2035	-0.6195	-1.0525	-0.0565	-0.0425	0.1055	-0.0145	-0.6435	-0.6155	-1.6635	-0.8255	-1.5005	-1.1305	-1.0175	-0.5295	0.9055	-0.4115	-2.0925	-0.9495	0.1425	-0.4495
-0.219	4.138	1.47	1.901	2.097	2.493	-0.22	-0.75	-0.875	1.94	-0.182	-0.432	2.97	1.298	-0.158	1.51	0.052	1.018	-0.268	-0.387	-0.06	0.593	3.768	-0.182	-0.006	-0.503	-0.733	-0.192	0.257	-0.094
0.1025	0.6135	-0.1555	-0.5325	0.0005	-0.0435	3.5895	2.1095	2.0635	0.2005	1.8865	0.2825	0.5895	1.8935	1.8865	2.2285	1.1445	-0.0135	1.8555	0.3255	1.5585	0.8345	1.5215	0.8995	1.1355	1.3055	1.1435	1.5385	3.3985	2.2865

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB58 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018 LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-ME LUMINAL	BR95-015: LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016' LUMINAL	UB78 LUMINAL
2.8065	-0.6615	-0.1035	1.0165	3.3445	2.4845	-1.6685	2.1165	2.1525	1.4645	-2.3485	-1.3585	2.8085	1.6815	-2.8105	2.5315	-2.0795	1.7635	5.8605	2.2575	0.2955	-2.4895	4.3785	4.1075	-2.6135	3.7385	-1.9805	-0.5675	-3.7945	-0.1415
0.5095	0.0985	0.4565	0.6395	2.1265	0.7115	-1.2905	0.5535	0.3045	1.2945	-0.3875	1.1485	3.1565	0.9745	0.8965	-0.4875	-0.0015	0.2375	3.2825	-0.0415	2.1095	-0.2975	0.1075	-0.5005	-0.0385	1.4515	0.8525	0.2385	0.0875	0.1535
0.711	-0.101	0.287	-0.001	0.151	0.105	-0.255	0.382	0.436	0.228	-0.384	-0.524	-0.066	-1.159	0.24	0.2	0.249	0.273	0.401	0.106	-0.026	-0.168	0.028	-0.667	-0.53	0.001	0.038	0.01	-0.151	0.262
0.734	0.11	0.021	0.692	0.261	0.275	-0.678	-0.199	-0.206	-0.286	-0.655	-0.832	-0.885	-0.423	-0.928	-1.296	0.081	-0.072	-0.294	-0.984	-0.564	-0.83	-0.349	0.564	-0.145	-0.548	-1.39	-0.947	-0.703	-0.244
0.121	0.427	-0.004	0.094	0.099	0.257	0.147	0.503	0.507	0.384	-0.567	0.09	0.347	-0.432	-0.546	-0.597	0.119	-0.455	-0.13	0.766	-0.597	-0.478	-1.035	0.282	-0.898	-0.622	0.08	-0.173	-0.773	0.543
0.316	-0.08	-0.28	-0.01	-0.243	0.089	0.379	-0.287	-0.416	-0.409	-0.021	-0.115	-0.08	-0.127	-0.226	-0.712	0.757	-0.488	-0.759	-0.758	-0.147	0.058	-0.387	0.142	1.227	-0.247	-0.775	-0.16	-0.238	0.698
0.135	0.195	-0.044	-0.068	-0.199	0.004	0.094	0.187	0.314	0.631	-0.158	-0.582	-0.215	-0.888	0.285	0.676	0.08	-0.15	1.107	-0.407	-0.004	0.401	1.136	0.842	-0.779	0.085	0.566	0.268	-0.722	0.266
-0.266	-0.179	-0.616	0	-0.325	-0.056	-0.857	0.199	0.152	0.089	-0.051	-0.039	-0.356	-0.806	-0.515	0.498	0.317	0.146	0.796	0.602	-0.484	0.06	0.569	0	-0.047	-0.253	-0.009	-0.469	-0.485	0.165
-0.4625	0.1825	0.2145	-0.2335	-0.1435	-0.2135	0.0225	0.6115	0.6915	0.4685	-0.1615	-0.6755	-0.0245	-0.3865	0.8145	0.3025	0.5265	0.3915	0.0955	0.7705	-0.2185	-0.3385	0.1415	-0.0055	-0.0615	-0.4995	-0.8315	-0.4525	0.3175	1.2365
-0.104	-0.053	0.342	0	-0.377	0.108	-0.371	-0.291	-0.225	0.19	-0.242	-0.088	0.166	0.226	-0.504	-0.135	0.155	0.073	0.45	0.605	0.297	-0.044	-0.394	0.029	-0.019	0.332	0.526	-0.101	-0.6	0.234
1.0155	0.1885	0.0365	0.6205	-0.1275	0.0025	-0.3725	0.0995	0.0215	0.4445	-0.0505	-0.9095	0.5135	-0.3625	-0.6315	-0.3045	-0.2075	0.9955	0.5385	0.6145	0.6985	-0.2775	-0.5225	-0.5725	-0.1345	0.0155	-1.9215	-0.1885	-0.1495	0.0315
-1.0215	-0.3335	-1.5625	-0.5335	-0.2745	0.0855	-0.6445	-0.1145	-0.0825	-0.1715	-0.9605	0.3905	-0.7075	-0.8985	-1.5045	0.6335	-0.1345	-0.6785	0.2875	-1.5835	-1.3265	-1.8545	0.0335	-0.1945	-0.1995	-0.0025	0.1025	-0.5355	-0.0155	-0.6075
-0.0015	-0.0795	0.0155	1.2075	-0.2825	0.8935	0.5005	0.3875	0.5765	0.3365	-0.0965	-0.4605	0.3965	1.1055	0.2105	-0.2805	0.3425	1.1135	0.0575	0.3635	-0.1135	0.0045	0.9645	-0.0815	-0.2615	0.0075	-0.8565	-0.3215	-1.0615	0.0225
-0.1905	0.1705	1.0375	-0.4845	0.4595	0.3205	-0.2075	-0.2155	-0.0595	-0.1455	-0.3835	-0.8245	0.9525	1.2145	-0.0885	-0.3955	-0.6795	0.3035	-1.6215	-1.6845	-1.6125	-0.6775	0.0665	1.4725	0.5015	-0.0025	-0.1405	-0.4815	0.1705	0.6245
-1.341	-0.268	-0.417	-0.785	-0.703	-0.077	-1.535	-2.123	-2.018	-0.673	-0.866	-1.11	0.107	-2.231	-1.78	-0.473	-0.104	-0.322	-1.152	-0.059	-1.103	-0.553	-0.646	-0.477	-2.576	-1.028	-0.942	-0.947	-2.393	-1.265
2.1315	-0.0795	0.0105	-0.5575	-1.4385	0.3015	-1.6175	-0.4275	-0.4155	1.3795	-1.8105	0.3255	-1.7805	1.3705	-2.1105	2.1935	0.0405	1.5915	1.1645	2.2935	1.9275	2.3035	-1.9655	-0.2635	0.7625	-1.0225	0.4215	-1.4095	0.0125	-0.5825
-0.877	-1.79	-1.381	-1.222	-1.082	-0.355	-1.78	-0.736	-0.677	-0.951	-0.273	-0.077	-0.359	0.326	0.575	1.262	0.185	0.982	1.2	0.426	0.26	0.799	0.749	1.917	1.75	-0.264	0.563	0.327	1.722	1.314
0.6955	0.2965	0.0645	-0.0065	-0.2555	0.0685	-0.4915	0.7965	0.7425	0.8255	0.3985	0.1265	-0.0985	-0.0865	-0.5245	0.0785	-0.1485	0.4235	0.7845	-0.0525	0.0155	0.0745	-0.5655	-0.9515	-0.3705	-0.4585	0.0775	-0.1215	0.2665	-0.5405
2.3135	0.3875	0.0735	0.0955	0.6965	-0.4885	-0.1215	0.4445	0.5005	1.0595	1.6235	-1.2125	1.4965	1.3115	0.5205	0.8785	-0.8245	-0.1065	0.1285	0.8665	2.9505	2.6735	-0.2065	-0.3755	0.1315	-0.1825	-0.0645	-0.4005	1.3545	0.7035
0.474	0.008	-0.249	0.186	-0.195	-0.092	-0.922	0.38	0.5	-0.264	0.208	-0.609	-0.925	-0.097	-0.161	-0.331	-0.019	-0.455	-1.519	0.441	-0.238	1.135	-0.812	0.077	0.072	-0.506	-0.723	-0.235	-1.158	-0.209
0.269	0.004	0.328	-0.29	0.008	-0.123	-0.226	0.304	0.127	0.064	-0.623	-0.106	0.007	-0.527	0.544	0.247	0.949	0.055	0.024	0.355	0.129	0.205	0.95	0.598	-0.142	-0.222	0.478	0.005	-0.31	0.022
0.015	0.157	-0.045	-0.78	-0.583	0.022	-0.435	1.067	1.249	0.124	0.408	-0.535	0.155	0.265	2.675	1.685	-0.595	0.365	0.769	1.325	0.175	0.767	-1.215	0.83	1.85	0.375	-0.805	-0.225	2.475	1.31
0.553	0.407	0.499	-0.051	0.383	0.004	0.509	0.493	0.421	0.907	-0.315	-0.428	0.233	-0.541	-0.324	0.607	0.726	0.62	0.833	0.346	-0.125	-0.526	0.057	-0.555	0.157	0.225	-0.624	0.257	-0.288	0.094
-0.779	0.341	-1.698	1.663	2.472	0.441	0.189	-1.794	-1.573	1.312	-0.019	0.008	0.702	-0.3	0.358	1.391	1.222	-0.42	0.21	0.373	2.184	1.14	-0.467	1.361	0.605	0.447	-0.087	1.043	0.279	0.948
1.8285	1.1045	0.9015	0.2525	-0.0415	0.3555	-0.4335	1.1875	1.1595	1.0995	1.4075	0.8805	1.7295	0.9415	0.0485	0.3545	-0.1625	0.7065	-0.2045	2.0355	0.6355	0.5055	-0.9415	-0.0085	-0.2525	-0.2605	-0.0305	0.3415	-0.0465	-0.3295
-0.0765	0.3055	-0.1505	0.0795	-0.2905	0.2275	0.0725	-0.1145	-0.1585	-0.4785	-0.2665	-0.1025	-0.5045	-0.4255	0.3565	-0.7325	0.0425	-0.2945	0.3985	0.5575	0.3295	0.8145	-0.2175	0.2665	-0.0875	-0.6615	-0.5025	-0.2245	0.0215	-0.0735
1.9085	0.1635	0.5705	-0.0265	-0.4675	-0.0165	0.0935	-0.6685	-0.6385	0.2435	-0.4875	0.2225	0.4135	-0.3355	0.2285	-0.7595	0.9525	0.5925	-0.5255	0.1705	0.0545	-0.0145	-0.4205	-0.5205	0.2085	-0.3475	-0.2755	0.0575	-1.1765	-0.3545
0.1745	-0.8215	-0.7615	-0.2985	-0.5645	-0.4085	-0.0205	0.7465	0.7115	0.2305	0.1835	-0.3495	0.1925	-0.6025	0.0925	-0.2425	-0.2545	-0.2905	0.1225	-0.3285	-0.3085	0.0725	-0.2515	0.6395	-0.1885	0.6215	0.0845	0.0265	0.8185	0.6005
0.5965	0.3795	0.2805	-0.7195	-0.1925	-0.3025	-0.6235	0.5285	0.4725	0.1635	0.3075	0.2915	-0.0565	0.2515	0.1305	-0.3955	0.1995	0.1385	0.8715	0.5055	-0.4145	0.7425	0.3415	0.3745	0.5655	0.2355	0.1605	-0.1065	-0.0335	-0.0145
0.0735	0.2225	-0.1745	0.3045	0.4405	0.0795	-0.2545	0.2445	0.2955	-0.0885	-0.1865	1.0155	0.2465	-0.0405	-0.3905	0.0065	0.1815	0.1775	-0.9685	-0.1735	-0.9665	0.3115	-0.0545	-0.6705	-0.1705	-0.0805	0.4555	-0.5605	0.1395	-0.1225
-0.6685	-0.4605	-0.4795	-0.4565	-1.0935	-0.0965	-0.6695	2.1215	2.1185	0.8795	1.7975	0.7365	0.6265	-1.3155	-0.3675	1.4405	-0.5055	0.3115	-0.8465	1.8405	-1.3275	0.0325	0.0775	-0.4515	0.7095	0.9845	1.8335	0.7635	0.4365	-0.7025
3.1615	3.7965	2.9945	2.4525	2.5505	0.3715	1.3365	-0.4385	-0.4145	0.6595	2.4585	2.7025	1.0465	2.2875	1.8215	3.9455	1.4255	2.4425	-0.7635	-2.9065	4.1225	-1.2725	0.0085	-1.1315	-0.3885	-1.6625	-0.2515	-0.0085	-1.0905	-0.3085
-0.1115	-0.3215	-0.8035	-0.3735	-0.3215	-0.0035	-0.1765	-0.2685	-0.2955	-0.0295	-0.0095	-0.1525	0.3395	0.6235	0.3835	-0.4285	-1.1175	-0.3535	-0.4985	0.5045	-0.2665	0.3755	0.0255	0.4615	-0.0585	0.1765	-0.3965	0.1005	0.3425	0.3125
-0.6045	1.2265	-0.6415	-0.1935	-0.3355	-0.3095	-0.2495	-0.2875	-0.0635	-1.0315	-0.0685	-0.0915	-0.4035	-0.0195	0.8505	0.6575	0.0505	0.8515	0.4975	-0.1645	-0.0725	0.2645	0.7765	0.2405	1.0655	0.0945	1.0745	0.0755	0.5535	0.4535
-1.0235	-1.0275	-0.0165	-0.7845	-0.9915	-0.2875	-2.6505	-0.1865	-0.1525	-0.8875	-0.3945	-1.2855	-0.3015	0.7765	-0.6595	0.2985	0.5065	1.0705	1.1585	0.1675	0.5315	1.2225	-0.0655	-0.3325	0.4735	-0.3035	1.3345	0.0305	0.5835	0.6765
0.065	-0.728	-0.359	0.15	-0.458	0	0.056	0.463	0.595	-0.419	0.309	0.213	-0.123	-0.076	0.275	-0.477	0.02	-0.031	-0.985	1.162	-0.389	2.198	-0.675	1.136	0.912	2.12	-0.185	0.997	0.763	-0.132
0.4405	0.0745	0.1225	-0.2915	-0.3595	-0.2725	-0.0225	0.7975	0.7775	-0.2285	0.5955	-0.0955	0.3565	0.2225	1.0675	0.1125	-0.5085	-0.5075	0.1125	-0.3825	-0.0905	0.1705	0.2385	0.7045	0.9105	-0.9205	-0.1175	1.0245	-0.3965	-0.0395
0.5735	0.3955	-0.3355	0.1535	-0.0235	-0.2505	-0.4565	0.3675	0.4145	0.6685	-0.3605	-0.0905	-0.4465	-0.4105	-1.1505	0.1715	0.5655	-0.8175	1.0045	-0.5165	-0.5305	-0.5845	-0.7355	-0.1385	-0.8175	1.0025	0.4245	-0.3405	-0.6005	-0.3495
0.6495	0.2155	-0.6575	0.1865	0.2735	0.1735	0.0375	-0.3005	-0.2905	-0.0025	0.3225	-0.5105	-0.4305	-0.5215	-0.7855	-0.1705	-0.8005	-0.4255	-0.3775	0.5855	-0.6755	0.1685	0.1535	0.8895	-0.4345	-0.1325	-0.6805	-0.3255	-0.0995	0.5685
1.2305	0.9005	0.4835	0.2745	0.6025	0.3435	0.2965	0.6335	0.6385	0.5305	-0.6075	-0.2655	0.6715	-0.8415	0.7545	0.7335	0.0025	0.0045	0.9845	0.0515	0.0535	0.8625	0.4525	-0.2275	-1.0185	-0.4785	-1.1195	-0.7175	-0.1855	0.3435
0.32	0.1	-0.331	-0.184	-0.106	0.033	-0.591	0.713	0.742	-0.194	0.424	-0.299	-0.323	-0.15	-0.293	0.296	0.161	-0.181	0.418	0.642	0.008	-0.189	0.308	0.304	0.188	-0.782	-0.008	0.534	1.054	0.395
-0.3395	0.9425	-0.3935	-0.5625	-0.9745	-0.4525	-0.8495	-0.3295	-0.1915	-0.2145	-0.2485	-0.6575	-0.5895	-0.1215	-0.3335	0.6685	0.5325	0.2415	1.3695	0.4655	-0.2105	-0.1365	-0.3335	0.6695	0.1405	-0.2595	0.1965	-0.1845	-0.8235	0.5095
0.2405	-0.0575	-0.2675	-0.5055	-0.3215	-0.4805	-0.1545	0.2815	0.1075	0.3335	0.2395	0.2965	-0.0175	-0.5965	0.4745	0.1665	0.6765	-0.2915	0.9035	-0.4555	0.6425	-0.4475	-0.7215	0.7335	0.0095	1.1585	-0.1015	0.1165	0.5695	0.0865
-0.6615	0.3665	0.6245	-2.4505	-0.5675	-0.5085	-0.2835	0.1015	0.0555	-1.2685	1.4945	-0.1575	-0.2995	0.0785	1.6125	1.5555	0.3655	0.9945	1.1505	0.7805	-0.0035	-0.8975	1.9465	-0.3425	0.3465	-3.5965	0.3985	0.8475	1.4105	1.1905
-0.1995	0.0775	-0.3225	-0.1725	0.2845	-0.4665	0.4985	-1.4575	-1.3125	-0.4645	-0.8245	-0.7295	-0.2215	-0.9225	-0.3265	-0.8425	-0.8155	0.0405	0.1775	-2.1725	-0.7145	-1.0365	-0.0405	0.1665	-0.4545	0.8665	-0.7295	0.6855	1.1835	-0.4945
1.462	-0.193	-1.335	1.53	-0.283	-0.554	-0.027	1.389	1.353	0.35	1.372	-0.9	-0.401	1.299	1.253	0.121	1.095	-0.378	-0.808	-1.317	0.192	0.593	0.517	0.17	0.489	0.398	0.999	1.254	0.824	0.957
0.1645	0.1205	0.0495	-0.2275	0.3725	0.0175	-0.0125	0.4505	0.3425	0.2365	0.5275	-1.2505	0.6235	0.0415	0.2415	0.1415	0.4515	0.2385	0.2175	0.7975	0.3895	0.1655	-0.0595	0.5015	0.6155	-0.0375	0.5085	-0.0465	0.0325	0.0405
0.1425	-0.0135	-0.1455	0.2025	0.1625	0.0645	-0.0105	-0.3545	-0.2825	-0.0945	0.3325	-0.6455	0.1085	-0.2115	0.0455	-0.0895	-0.1115	0.1685	-0.0865	0.0275	0.1685	-0.0765	-0.4485	0.0805	-0.2255	0.2035	-0.1445	0.3475	-0.1205	0.1775
-0.8445	-0.3985	0.3325	0.1545	0.0655	0.0035	0.3745	-0.0925	0.0105	-0.4585	0.6705	0.3625	-0.0115	-0.0205	0.7075	-0.4355	-0.4945	-0.0175	-0.8135	-0.2245	-0.4665	-0.5395	0.0745	-0.6365	-1.0005	-1.5645	0.3665	1.0975	0.3645	-0.5425
-0.118	0.155	-0.349	0.248	0.007	-0.077	-0.298	-0.099	-0.072	-0.35	-0.373	-0.704	-0.588	-0.179	-0.302	0.056	-0.173	-0.222	1.226	0.287	-0.07	0.122	-0.301	0.119	0.998	-0.18	-0.879	-0.516	0.19	0.111
0.289	0.526	-0.067	-0.395	-0.105	0.175	0.038	1.265	1.265	0.795	0.435	-0.14	0.58	2.276	0.69	1.021	-0.528	0.392	0.765	1.165	-0.186	-0.115	-1.204	-0.215	0.325	-0.106	-0.416	-0.494	0.599	0.045
0.6545	0.0015	0.6435	0.3725	0.0855	0.3915	0.6665	-0.0295	0.0315	0.7385	-0.1715	0.1215	1.2195	-0.1075	0.3045	0.3895	0.5815	0.5065	0.7415	1.3765	0.6935	0.3525	-0.0705	0.1555	-0.0225	-0.7685	0.1945	0.2225	0.6505	0.5375
0.1315	0.1385	0.5135	0.1545	0.3885	0.2205	-0.1325	-0.0045	0.0415	0.0145	-0.3745	-0.2515	0.3265	-0.2445	0.4355	0.2305	0.4735	-0.0335	0.4885	1.3725	1.0995	0.0455	-0.5225	0.3745	-0.3135	-0.8195	-0.5165	0.0745	0.3245	-0.4045
-0.7645	0.1525	-0.3905	0.1685	0.2115	0.7895	0.2415	-0.0575	0.0085	-0.0085	0.3445	0.8355	-0.0135	0.8435	-0.4025	1.0275	0.3905	-0.0625	-0.5875	-0.8145	-0.1375	-0.1825	1.1375	-0.7565	2.2825	-0.7455	1.6525	-0.0745	0.3855	0.2885
1.037	-0.015	0.276	0.216	0.588	0.021	0.753	0.162	0.119	0.616	0.131	0.043	0.341	1.199	0.043	1.466	0.64	0.129	1.281	1.045	0.625	0.144	0.602	-0.007	-0.417	0.178	0.405	0.857	0.14	0.455
-1.4815	-0.3505	1.7375	-0.3425	0.7005	-0.4135	1.5555	2.5145	2.4215	0.7475	0.4385	-1.0575	0.7445	1.5525	-1.9405	1.8785	1.1535	2.4085	0.8115	-0.2515	-0.6435	-0.5325	0.8485	2.6745	-1.2605	1.3655	-1.1565	-1.3065	-1.7165	0.0085
1.442	2.241	2.445	0.878	1.217	1.636	0.626	0.753	0.579	0.773	0.982	-1.001	2.635	2.088	0.723	0.686	1.95	0.76	0.884	1.907	0.642	2.407	-0.782	1.163	1.468	-0.045	0.328	-1.387	0.725	2.042
0.5575	0.0925	-0.3095	-0.1405	-0.4215	-0.2305	-0.0075	1.1035	0.9095	-0.4685	0.0945	0.2495	0.0445	0.4485	0.5375	0.2965	0.1555	-0.3085	-0.4075	-0.0545	-0.0735	0.9505	-0.2615	3.0175	1.2215	1.0485	1.1765	-0.3265	0.0175	-0.1645
1.89	0.96	0.384	1.375	0.583	0.093	3.127	0.588	0.535	1.653	3.115	0.751	1.256	-0.263	-0.247	0.386	2.77	1.349	1.975	2.426	1.78	0.032	0.318	1.291	0.357	-0.198	1.322	0.085	-0.373	1.015
2.264	0.093	0.595	0.735	0.498	0.173	2.918	0.234	0.208	1.026	2.583	0.568	0.801	-0.148	0.162	1.036	2.303	0.851	1.491	1.727	2.121	0.083	0.438	1.982	0.16	0.144	1.455	0.183	-0.568	0.84
1.8235	0.4825	-0.0205	1.9335	0.9725	0.3085	2.6105	0.3185	0.3235	1.3545	2.6965	-0.0075	0.2685	-0.9105	-0.2235	1.1425	2.8565	0.9285	1.7345	1.3865	2.0535	0.1145	-0.1165	1.6105	0.5365	-0.6125	0.2065	0.0095	-0.4595	0.9575
-0.99	-0.436	-0.82	-0.34	-0.11	0.49	0.684	-1.366	-1.206	-0.291	0.528	0.491	0.78	0.923	1.226	1.333	-0.7	-0.145	-0.397	-1.14	0.558	1.437	-0.141	1.441	0.646	-1.146	-0.532	-0.948	1.023	1.014
0.31	-0.559	-0.238	0.289	0.253	0.231	-0.611	-0.881	-0.78	0.044	-0.195	-0.504	-0.221	-0.573	-0.282	-1.079	-0.309	0.496	-0.818	-1.383	-0.752	-0.693	0	0.99	0.433	0.045	0.696	0.311	-0.371	-0.702
-0.002	0.086	1.058	0.101	-0.227	0.142	-0.119	-0.97	-0.921	-0.679	-1.371	-0.455	-0.522	-0.529	-0.94	-2.058	-0.146	-0.498	-0.162	-1.845	-0.248	-1.178	-0.287	-0.237	-0.469	0.075	-0.8	-0.889	-1.384	-0.221
-0.113	0.156	0.089	-0.169	-0.08	0.2	-0.134	1.066	1.086	0.35	0.814	0.023	0.076	0.636	0.738	-0.081	0.345	0.549	-0.554	1.244	-0.2	0.828	0.214	-0.102	0.176	0.063	0.172	0.401	0.085	0.606
0.3185	1.1035	0.3525	-0.2915	0.1265	0.3105	0.3575	0.8975	1.0085	-0.0215	0.1015	0.0235	0.4285	-0.0225	-0.0955	0.8385	-0.4345	0.4815	-0.2475	-0.1565	0.4615	-0.2075	-0.2185	0.4095	1.2055	-0.5525	0.6585	-0.7485	1.3815	0.3875
1.1605	2.4645	1.0205	0.8835	1.4285	0.6745	-2.7855	-3.6555	-4.0935	0.7235	-3.3615	1.7025	0.7005	1.8695	-3.3895	-0.6815	-0.3445	1.2135	-3.8455	1.0515	-4.2115	1.6925	0.9025	-2.2395	-4.3325	-4.5695	-4.0425	-3.5575	-4.3665	-1.8605
0.609	2.252	0.258	-0.131	-0.466	0.901	0.429	1.14	1.479	0.145	0.132	-1.089	1.553	0.994	0.041	1.072	-1.077	-0.285	-1.465	-1.93	0.208	-0.615	-0.774	-2.18	-2.232	-0.745	-2.076	-1.195	0.122	-0.019
0.047	0.278	-0.046	-0.966	-0.819	0.093	-0.653	-0.544	-0.585	0.336	-0.005	0.005	0.766	0.074	-0.13	-0.059	-0.778	-0.08	-1.333	-0.032	-0.684	-1.135	-1.364	0.531	0.63	-0.462	-1.594	-0.378	-0.906	-0.348
0.8085	1.9335	0.2585	-0.1085	0.7435	1.6795	0.0215	2.1105	2.1785	1.0425	1.4775	-0.4325	2.7935	2.0155	2.8365	-1.0125	1.7385	-0.0325	-1.6705	-1.6915	0.7975	-0.1065	2.4105	1.7255	1.3495	0.9595	2.4915	2.9675	-0.6135	3.3795
2.7765	-0.3845	1.8825	-0.9745	0.0855	1.2495	-2.0025	2.3645	2.1385	2.1485	2.8905	0.9595	2.9505	2.4215	1.6515	1.5905	-1.6595	-0.6575	0.2995	0.0575	2.7765	1.5355	0.0125	3.0485	2.9835	0.3225	2.2405	2.8615	-2.4575	2.6095
0.6435	-0.2535	0.0415	0.1365	-0.2985	0.6845	-1.3375	-0.0715	-0.0295	0.1575	-0.4755	-0.2795	-1.2965	-0.8755	-0.6355	1.2465	-0.2915	1.1905	0.5675	-0.6195	-1.2515	-0.2205	0.3235	-0.9255	1.4135	-0.7015	0.3755	-0.2105	-0.7745	-0.7975
-0.842	0.696	-0.041	0.04	-0.372	0.401	-0.762	0.125	-0.27	0.051	-1.148	3.575	0.421	1.338	-0.484	-0.606	0.131	0.583	1.217	0.411	-0.826	-1.143	-1.64	-0.954	-1.079	-1.036	0.385	0.155	-0.748	-0.125
-0.0055	0.1695	-0.3295	-0.4265	-0.3985	-0.3435	-1.2585	0.1115	0.1835	0.2085	0.1095	-0.9185	-0.5765	-1.0185	-0.4245	-0.5015	0.0055	-0.0715	-0.8475	-0.4275	-0.0945	-0.4195	0.2815	-0.3885	-0.2385	-0.8605	-0.1145	-0.1975	-0.6765	-0.0455
0.644	0.273	0.496	-0.524	-0.531	-0.648	-0.533	0.667	0.785	-0.005	-0.258	0.698	0.015	-0.036	0.228	0.461	0.209	0.054	-0.154	0.487	0.11	0.072	-0.137	0.171	0.185	-0.236	1.071	0.921	-0.299	0.836

Table 18.

9819-0103 LUMINAL	BR02-705(LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704(LUMINAL	BR02-705(LUMINAL	BR03-726(LUMINAL	BR95-018(LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-M(LUMINAL	BR95-015: LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016' LUMINAL	UB78 LUMINAL
0.6875	0.3045	0.8405	-0.2895	0.4225	0.0245	0.1525	1.4245	1.3945	0.6035	0.8465	0.4915	0.1675	0.4455	-0.3475	0.6525	0.2295	0.1525	0.0775	1.2535	-0.2265	0.2275	1.2085	-1.2135	-0.9055	-0.3225	-0.0535	0.1745	-0.0475	0.0875
-0.02	0.658	0.167	-0.366	-0.223	-0.121	0.138	1.314	1.302	1.242	0.338	0.96	0.726	1.058	0.728	0.63	0.669	0.052	1.677	2.789	0.546	2.5	2.61	-0.403	0.176	-0.211	0.169	0.446	0.62	0.325
0.083	-0.737	-0.58	-0.775	-0.648	-0.299	0.073	0.238	0.298	-0.373	0.263	-0.862	-0.169	-0.322	1.007	0.807	1.062	1.204	1.4	0.984	1.3	1.661	0.693	0.638	0.923	-0.327	1.671	0.582	0.159	0.41
0.2885	0.1655	0.8385	0.1875	0.1315	0.2175	0.3445	-0.1395	-0.0275	0.5685	-0.4905	-0.0895	-0.1695	0.0275	-0.6615	0.3475	0.4385	-0.2975	0.5875	1.0555	0.0755	0.6845	0.4665	0.6985	-0.8755	-0.1765	0.1855	-0.0695	-0.1625	0.1545
0.6555	0.8265	0.9905	-0.1665	0.0395	0.0825	-0.3075	-0.2515	-0.1955	0.5765	-0.5095	0.3285	0.2435	-0.1915	0.1685	-0.0505	0.1575	0.2765	0.6115	0.3535	0.3495	0.2725	0.9305	-0.7105	0.0095	0.3065	0.9555	0.2335	-0.1265	-0.0085
0.292	0.5	-0.044	0.405	-0.387	-0.273	-0.411	2.234	2.495	0.484	-1.342	-1.511	0.01	0.272	-0.01	-1.37	1.328	0.548	1.114	1.513	0.625	1.624	-1.008	-1.476	-1.961	-1.349	-0.46	-0.241	-0.225	-0.455
-0.5255	-1.6995	-0.8705	-0.6005	-0.6785	-0.8845	-2.6605	-0.0385	-0.0525	-0.5655	-0.6415	-0.5255	-0.4935	0.6165	0.1795	0.9455	0.5765	1.1685	1.8605	1.1625	1.4075	0.3245	0.3275	0.4735	0.8705	0.9465	0.9955	-0.4775	0.2485	1.3495
0.523	-0.611	-0.592	0.307	0.096	0.656	0.901	0.021	0.008	0.646	0.764	0.253	-0.059	0.601	1.456	-0.406	-0.931	1.035	-0.79	0.799	0.152	0.429	0.243	-0.072	-0.685	-0.595	-0.031	-0.381	-0.04	-0.222
0.638	-0.998	-0.506	-0.381	0.258	0.232	1.875	1.233	1.492	0.483	-0.365	0.827	0.707	0.003	-0.091	0.633	0.272	0.439	0.074	0.067	-0.488	-0.196	0.143	-0.438	-1.315	0.113	1.458	-0.7	-0.533	0.473
-0.099	0.928	0.297	-0.252	-1.356	-0.299	0.587	1.89	1.859	1.326	0.895	1.981	-0.189	-0.881	-0.67	0.415	2.018	0.134	0.601	2.385	-0.236	-0.662	-0.787	0.531	-0.771	-1.194	0.162	1.082	-0.878	0.389
0.821	1.399	0.332	-0.649	-0.973	-0.742	0.214	2.456	2.435	1.559	1.18	2.326	1.889	0.585	1.242	1.104	0.312	1.106	1.427	1.176	0.509	0.938	0.347	-0.248	0.351	0.658	0.731	1.23	2.658	0.481
0.683	0.196	0.189	0.005	-0.026	-0.39	0.259	0.654	0.631	0.411	0.627	0.048	-0.106	-0.203	0.522	-0.079	0.281	-0.25	1.028	1.09	-0.133	-0.061	0.46	0.195	0.072	-0.392	0.701	0.921	-0.885	0.06
0.328	1.151	0.29	0.206	0.765	-0.497	1.18	0.131	0.192	1.068	-0.714	-0.405	-1.251	0.085	0.784	0.014	1.087	-0.054	0.888	1.361	1.297	0.149	-0.565	0.817	0.021	0.228	-0.471	0.654	0.175	0.056
0.4885	0.0505	-0.0025	0.3315	-0.1865	0.0475	0.3765	0.3785	0.4475	0.4995	-0.3045	0.3055	0.4085	-0.1355	0.1165	-0.1785	0.5675	0.3545	0.3925	0.4295	0.1075	0.3655	0.1475	0.0085	-0.2495	-0.5575	0.2985	0.2305	-0.1045	-0.0515
-0.7985	0.6415	0.3345	-0.2755	0.4095	-0.5115	-0.3915	-1.3085	-0.7635	-1.1535	-0.5135	0.9775	-0.4835	0.1385	0.0195	-0.2815	-0.0535	-0.4345	-1.3725	-0.9465	-0.2895	-0.6765	-0.2335	-0.6895	-0.1575	-0.9525	-1.2275	0.1725	-0.1765	-0.4245
-0.277	-0.169	-0.709	-0.372	-0.294	-0.54	-1.399	0.26	0.215	0.191	-0.31	-1.606	-1.209	-0.889	-0.259	-0.388	0.223	-0.297	-1.612	-1.488	-1.372	-0.88	-0.339	0.052	0.978	0.236	-0.891	-0.266	-0.312	-0.38
-0.5	-0.01	-1.432	-0.36	-0.32	0.03	-0.484	-0.41	-0.49	-1.57	0.41	-0.815	-0.294	-0.647	-0.631	-1.993	0.545	0.541	2.42	0.94	0.024	-0.17	-0.121	0.4	0.48	-0.906	-1.998	-2.486	0.355	-0.34
-2.951	-0.482	0.496	-0.041	-1.312	-0.201	-0.603	0.363	0.392	-1.708	-0.545	1.228	0.835	-2.293	-0.821	-0.083	-1.533	-0.679	-2.202	-2.918	-0.853	-1.084	-2.183	0.588	-0.227	0.888	2.09	0.048	1.867	1.44
-1.0425	-0.0555	-0.6275	-0.3765	0.1715	0.2475	-1.1735	-0.1715	-0.1885	-0.0115	-0.8825	-0.5205	-0.3805	-0.6085	-0.7795	-0.6815	-0.1115	-0.0195	0.3515	-0.0705	-0.5605	-0.0395	0.9385	-0.3715	-0.2875	-0.4815	-0.5885	-0.9205	-0.8505	0.0175
-0.677	-1.288	-0.028	-1.218	-0.861	0.163	-1.386	-0.565	-0.353	-0.762	-1.497	-0.855	-0.834	-0.361	-0.72	-0.835	-0.702	-0.278	-0.196	-0.628	-0.653	-0.404	1.147	-0.444	-0.348	-0.344	-1.13	-0.585	-0.919	-0.103
1.8145	-0.4465	-0.1715	1.8725	0.9755	0.5545	0.1635	1.0985	0.9705	0.9275	1.2565	-1.2475	0.0565	-1.2985	-1.0325	-0.1585	1.8865	0.2385	0.0285	0.0935	0.1165	1.0935	1.2745	-0.4775	0.4025	1.7755	-0.4765	-0.6765	-0.3015	-0.4615
-0.9095	0.4915	-0.3995	0.3865	-0.8625	0.5265	-0.4225	-0.5925	-0.2685	-0.7995	-0.1125	0.3865	0.0985	-0.8185	-0.7355	0.0325	-0.8915	-0.0175	-0.8615	1.3905	-0.9435	-1.1775	-0.5445	-0.5715	0.2205	-0.6985	-1.6455	-1.0445	-0.5945	0.6255
-0.4915	-0.5795	-0.1845	-0.0405	-1.0165	-0.0355	-0.1565	0.0385	0.0585	0.0585	-0.7115	-0.3515	-0.7225	0.1925	1.4745	-1.2875	1.4245	-0.1545	0.5395	0.0045	-0.4165	-0.0945	0.9655	-0.7045	0.5195	-0.2445	-0.5625	-0.2165	-1.5125	0.9105
-0.6995	-0.0025	-0.5295	-0.5125	-0.5295	-0.4735	-0.6835	-0.5235	-0.2805	-0.7045	-1.1625	-0.7425	-0.5745	-0.2275	0.1005	1.1965	-0.3925	-0.6045	0.4045	-0.7405	0.2585	0.7185	0.5685	1.5635	-0.6005	-0.3705	0.2195	-0.4635	2.8405	-0.4715
-0.8885	-0.6855	-0.4445	-0.2795	0.2725	-0.0705	-0.6845	-0.5315	0.0245	-1.1585	-0.7215	-0.2905	0.5495	0.0295	-0.0115	-0.6555	-0.6305	-0.5265	-1.1585	-1.1065	-0.7385	-0.5425	0.2225	0.0975	-0.8275	0.0405	-0.6215	-0.9225	-0.7575	-0.3205
3.125	0.598	-0.27	0.583	0.546	-0.1	-0.261	4.605	4.631	1.145	-0.395	-0.769	1.803	0.433	-0.533	-1.225	-0.674	1.749	3.301	4.516	4.18	3.027	-0.62	0.692	-0.615	-0.318	4.472	-0.741	0.033	-0.03
0.334	1.308	0.402	0.002	0.685	0.019	0.79	1.352	1.12	0.951	-0.199	0.824	-0.138	0.722	0.585	0.915	0.399	0.182	-0.329	-0.681	0.17	-0.104	0.292	1.002	1.801	0.496	-0.439	0.981	0.536	1.758
1.0885	-0.0065	0.7265	0.2425	-0.3535	0.1645	0.2305	1.1835	1.2195	2.0315	1.4245	0.5945	0.5195	0.8025	0.1475	0.7495	0.6625	0.5335	0.2075	1.2315	0.5775	0.8655	0.1855	-0.2795	0.1885	0.2825	2.8195	1.8355	0.6065	0.4315
0.1295	0.2425	0.0435	0.4645	0.0975	0.1915	0.2475	1.2715	1.3515	0.7195	-0.3685	-0.5745	0.2985	-0.2055	-0.8665	-0.2745	0.0875	0.1125	0.3685	0.3205	0.0305	-0.1755	0.3035	-0.7595	0.0185	-0.1325	0.1255	-0.1225	-0.8685	0.2915
-0.0275	-0.2525	-0.7785	-0.6375	-0.0495	0.2925	-0.9915	-0.6165	-0.5385	-0.7165	0.2045	0.6155	-0.6255	-0.5845	0.2705	0.9235	-0.7745	0.1795	-0.6685	0.0145	-0.3665	-0.0385	-0.2155	0.2665	-1.0665	-0.6085	-1.2015	-0.9415	-1.2205	0.7145
-0.2845	-2.1325	-0.5395	-0.8805	-0.6715	-0.5105	-2.4055	0.2365	0.2045	-0.7875	0.5885	0.1995	0.0205	1.1425	0.7905	1.6455	1.1475	1.8905	1.7545	1.0945	0.8265	1.6305	0.9185	0.0095	0.6775	-0.6145	3.6205	1.0125	0.2685	1.0365
0.183	-0.026	0.952	0.58	0.34	0.386	0.104	-0.302	-0.355	-0.187	0.196	0.095	0.138	-1.239	-0.206	-0.267	-0.158	0.429	-0.213	-0.118	0.222	0.287	-0.222	-0.257	0.121	0.075	0.744	0.506	0.455	-0.004
-0.0105	0.3635	-0.0455	-0.3895	-0.2965	0.3715	-0.1955	0.9385	0.5305	0.0145	-0.3095	-0.1375	-0.3275	0.3535	0.2555	0.6445	-0.2135	0.8235	0.7315	0.6995	-0.2015	0.8595	0.2485	0.3695	0.4785	0.0755	0.5255	0.2295	-0.1945	0.9425
-0.987	-0.066	-0.637	-1.448	-0.594	-1.154	-1.51	0.605	0.551	-0.822	0.133	-0.182	-0.159	0.568	0.26	0.663	-0.023	1.112	3.158	1.896	0.602	1.367	0.647	0.811	0.434	0.27	1.78	1.11	0.658	0.888
0.8115	0.4075	0.5785	-0.3105	-0.0495	0.2095	0.0975	1.0915	1.0465	0.5965	0.1515	2.0485	-0.2245	0.6745	0.1005	0.3755	0.1615	0.4005	0.2725	0.0145	0.7265	-0.3815	-0.8165	1.0185	0.7445	-0.7215	0.3035	0.3595	-1.1135	0.6955
-0.2155	-0.4365	0.3145	0.0675	0.2925	0.4215	-0.0495	0.5005	0.3955	0.0625	-0.3045	-0.1755	-0.8415	-1.0765	-0.1195	-0.2675	0.5735	0.5915	1.1415	0.1095	-0.9005	-0.5675	-0.3375	0.4105	-1.1575	-0.1545	0.0615	0.5725	-1.1735	-1.2795
0.6975	1.8275	0.3935	0.0115	1.2115	1.1845	-0.5965	0.2735	0.1375	1.1845	-0.8645	1.8255	1.3655	0.9235	0.9375	1.6225	-1.0015	0.3235	-1.1775	0.0285	-0.3195	-0.4435	0.5905	1.1155	-0.0575	-0.1845	0.5785	-0.4045	0.1945	-0.6395
-3.1905	-0.0825	-0.6385	-2.2245	-1.5725	-0.2185	-2.0365	-1.0845	-0.9235	0.2495	-1.4005	-1.8785	-0.6355	0.1935	0.4235	-0.8945	2.2075	0.0035	0.8215	-4.9515	-1.5275	-0.9715	0.2075	-1.7315	-0.3705	-1.6915	-2.0675	0.1285	0.4175	-0.7345
-0.5175	-0.6525	0.0335	-0.4355	-0.5575	-0.0225	-0.6495	-0.0115	0.1935	-0.2555	-0.1345	-0.9455	-1.0055	-0.5475	-0.1315	0.4745	0.1595	-0.1135	1.0895	0.7415	-0.3385	-0.3665	-0.6215	0.4365	0.3085	-0.0535	-0.3835	-0.4265	0.4505	0.1385
-0.992	-0.878	-1.047	-0.063	-0.867	0	-0.939	1.734	1.652	0.468	-0.766	1.457	0.817	-0.768	-1.978	1.096	-0.378	-0.312	-1.908	-0.465	-1.921	-1.036	0.483	0.046	-0.085	1.315	1.822	0.465	0.322	0.558
0.0665	-0.4435	-0.0015	-0.8585	-0.4195	0.0015	-0.2665	-1.0975	-1.0565	-0.6275	-0.0865	0.0135	0.0055	0.5055	1.0615	0.5445	0.0095	0.3485	-0.2335	-0.1025	0.2235	0.3915	1.0525	2.0475	1.2585	-0.7725	-0.4645	0.9825	0.9915	0.1005
0.975	0.17	0.278	0.511	0.133	-0.475	0.908	-0.081	-0.142	0.618	-0.151	-1.035	-0.52	-0.317	-0.257	0.196	0.072	-0.358	0.214	-0.144	0.003	0.593	-0.183	0.248	0.631	-0.502	0.137	0.056	-0.151	-0.648
0.288	0.485	-0.503	-0.17	-0.344	2.661	0.257	0.765	0.788	1.36	4.449	0.199	5.849	4.956	0.519	0.857	0.417	-0.204	-0.588	1.061	0.267	3.577	1.011	0.225	-0.328	4.119	0.916	4.45	1.758	0.634
0.599	1.934	0.153	-0.507	1.015	0.291	1.499	1.274	1.724	-0.084	-0.413	-0.667	-0.269	0.006	0.785	-0.463	-0.545	0.183	1.71	0.214	-0.442	-0.252	0.988	-0.025	-0.376	-0.423	-0.401	-0.119	0.084	-0.317
-0.2745	-0.3665	-0.1475	-0.1425	-0.8905	-0.3005	0.5535	0.3065	0.2245	-1.8745	-0.6665	-1.4935	-0.7525	0.1605	-1.4475	-2.2585	-1.7055	-0.4945	-1.4625	0.4765	0.6045	-0.0715	-1.3655	-2.0455	-0.9225	-2.0445	-1.9335	-1.5555	-0.0325	-0.4155
0.3475	-0.2815	0.9465	0.7475	0.7035	0.3975	-0.0485	0.9605	0.7545	0.8645	0.1815	-0.5815	-0.4745	0.3265	-0.7435	-0.5845	-0.1965	0.6125	-0.6865	1.6845	0.3105	-0.8655	-0.6295	-1.4975	-0.2915	0.6125	-0.0415	-0.2355	-0.8005	-0.5845
0.7585	0.8105	-0.0005	0.0665	-0.0435	-0.0065	0.1065	0.4285	0.5115	0.7245	0.0765	0.2725	0.3805	0.1425	-0.0165	1.1255	0.5405	0.1935	1.1925	0.6485	0.3605	0.4555	1.1555	-0.2425	1.9465	-0.7285	1.4015	0.5365	-0.2455	0.0995
-0.048	0.3	0.077	0.313	0.939	0.901	0.049	0.519	0.466	0.308	0.01	0.85	1.336	-0.155	-0.443	0.507	-0.162	0.498	0.678	0.753	1.308	0.807	0.789	0.391	-1.774	-0.406	0.179	-1.098	0.684	-1.186
-0.3655	0.1795	0.2105	-0.6225	-0.0485	-0.3655	0.9505	0.4195	0.3405	0.1225	0.1025	0.4685	0.8245	0.9025	-0.1155	0.5685	-0.0885	0.0125	0.1275	0.5305	1.0225	0.9945	0.3285	-0.2205	-0.2585	0.6015	0.5075	0.6775	0.7125	0.1085
0.7365	0.5855	-0.3105	0.6555	1.2195	0.3355	0.5635	0.1145	0.0955	0.6565	0.2085	0.7085	0.5265	1.0125	0.7455	-0.1575	0.2735	-0.1095	0.6075	0.3765	-0.0095	0.5665	-0.1415	-0.2625	-0.4155	-0.1925	-0.3275	0.4355	0.2335	-0.5285
-0.0095	0.3905	0.0485	0.4585	0.1705	-1.0385	-0.6875	-0.5215	-0.3415	0.5205	-0.2585	0.0605	0.2775	-0.0165	0.0225	-0.6085	-0.7835	-0.2665	0.8925	0.6815	0.5375	1.1495	-0.1995	-0.0055	1.5015	-0.1485	0.3115	0.2035	-0.7115	0.0055
-1.1305	0.0035	-0.6955	-0.8945	-0.4705	-0.4175	-1.6845	0.0785	0.1555	-0.3445	-0.6455	0.4925	-0.2435	-0.5825	-0.4505	-0.1485	-0.1695	0.5885	0.9885	0.0385	0.2905	0.0405	-0.4235	0.3905	0.3415	0.0095	1.4495	-0.8435	0.0915	1.3225
-1.03	-0.185	-0.277	-0.084	-0.421	-0.243	-0.519	-0.35	-0.377	-0.399	-0.279	-0.194	-0.477	-0.232	-0.335	-0.357	-0.282	-0.288	-0.548	-0.217	-0.392	-0.01	-0.14	-0.375	-0.176	-0.514	-0.574	-0.078	-0.154	-0.194
-0.3965	-0.6845	-0.2875	-0.5765	-0.2715	-0.4945	-0.3325	-1.3435	-0.7435	-0.4765	-0.2995	0.1025	-0.3495	-0.2915	-0.7225	-0.7305	-1.0705	-0.9755	-1.4455	-1.6515	-0.3545	-0.8185	-1.3285	0.3185	-0.4075	-0.2245	-0.3425	-0.5435	-0.4175	0.5815
0.766	-0.831	-0.039	0.384	-0.047	0.473	-0.568	-0.316	-0.122	-1.175	1.226	-0.748	-1.105	-0.211	-0.157	-1.423	-0.553	0.068	-1.448	-0.515	-0.415	1.26	-0.433	-0.155	1.864	0.452	-0.907	-0.007	0.896	-0.2
-0.1865	-0.6705	-0.4025	0.4905	0.1185	0.2885	0.7075	-0.7355	-0.5925	-0.7105	-0.0675	0.2045	-1.0575	1.4405	-0.4195	0.2485	-0.0225	0.1175	-0.7975	-1.0715	-0.3555	0.1755	0.3625	0.0385	-0.4495	-0.4155	-0.0925	-0.5185	-0.0935	-0.5585
-0.3845	0.4455	0.1305	0.1495	-0.0315	0.2155	-0.5335	0.3155	0.3815	0.5815	0.5085	-0.9625	0.1185	1.1975	-0.0155	-0.3965	-0.2145	0.5655	0.0865	0.9515	-0.4885	-0.0295	-0.0215	-0.4725	0.4735	-0.1985	0.1655	0.2985	0.2995	0.3055
0.005	-0.268	-0.725	-0.883	-1.402	-0.51	-2.255	-0.708	-0.664	0.158	-0.191	-0.195	-0.335	0.215	0.225	-0.215	0.785	1.475	1.832	2.189	0.895	0.771	0.405	0.939	0.976	0.075	1.525	0.845	1.355	1.113
0.389	-0.12	-0.028	-0.296	-0.054	0.129	0.092	0.469	0.457	-0.566	0.098	-0.949	-0.085	0.648	0.473	1.335	0.256	0.159	0.184	-0.22	0.334	-0.086	1.204	0.674	-0.375	-0.312	-0.527	-0.234	-0.492	0.811
0.6375	0.5725	0.2115	0.4155	-0.7085	0.2155	-1.6615	-0.1645	-0.1775	-1.2285	-0.3385	-2.5945	-0.7075	-2.2105	-0.7615	-2.6325	-1.0725	0.8255	-0.8775	-0.6305	-1.8685	-1.3285	-1.3815	-2.4015	-1.5085	-1.0265	-1.1425	-1.1095	-1.8805	-1.3205
0.4915	1.2025	-0.1325	0.1145	-0.0515	0.1325	0.2865	0.7835	0.7605	0.1925	0.0485	-0.1055	0.1175	0.6345	-0.0395	-0.1795	0.1935	0.0805	0.9545	1.0075	0.3695	0.0125	0.6135	0.2815	-0.3365	-0.1285	-0.0125	-0.4325	0.0705	0.4975
0.142	-0.406	-1.052	0.159	0.388	-0.015	-0.405	0.323	0.224	0.197	0.132	1.034	0.321	-0.071	0.081	0.354	0.092	-0.104	0.075	-0.335	0.156	0.12	0.333	0.467	0.051	-0.237	-0.817	-0.228	-0.317	0.372
0.5705	0.6585	-0.5305	0.9975	1.0135	0.5435	-0.7605	-0.1325	-0.2525	0.0365	0.8125	-1.6635	-1.3105	0.4085	-0.3995	-1.0225	0.0565	-0.5345	-0.7065	-2.8015	-0.7655	-0.2595	0.3175	-0.3155	-0.6705	-0.1845	-1.8735	-0.8825	-0.2805	-0.8735
0.425	-0.151	-0.153	0.017	0.248	-0.02	-0.961	-0.702	-0.606	0.376	-0.015	-0.139	-0.007	-0.237	-0.07	-0.573	-1.041	-0.624	0.279	0.571	-0.206	0.776	-0.72	0.308	0.093	1.067	-0.25	-0.072	-0.818	0.339
1.27	1.018	0.867	0.519	1.341	0.592	1.101	1.457	1.446	1.01	-0.739	0.59	2.027	4.169	2.542	0.456	2.092	2.969	1.56	4.168	-0.008	2.394	2.02	0.787	-0.466	-0.096	0.637	2.033	1.591	1.003
0.562	-0.344	-0.525	-0.625	-0.532	-0.294	-0.402	-0.177	-0.16	-0.342	-0.621	-0.584	-0.704	-0.682	-0.163	-0.162	0.83	-0.142	0.1	-1.098	-1.005	-0.545	-0.411	0.304	-0.271	0.477	0.438	0.15	-0.492	0.704
-0.0295	-0.4305	0.2425	-0.2785	-0.6635	3.5945	-0.2035	-1.5755	-1.3385	-0.7925	-0.6815	1.5565	-1.0715	-0.7745	0.0365	-1.7015	0.8025	-0.2505	4.0885	-0.5305	0.7735	-0.6415	-1.0045	0.3605	-0.2425	-0.1135	1.6785	0.5865	-0.3635	-0.1735
0.6735	-0.3965	-0.5955	0.1745	0.2075	-0.1125	-0.0275	0.1395	0.1755	-0.7065	-1.3285	-0.1175	-0.6735	-0.4455	-0.1795	-0.2045	-0.2865	-0.9105	-1.4785	-1.7135	-1.1095	-0.7295	0.0105	-0.1005	-0.2975	0.3685	0.2375	-0.4985	-0.5795	-0.2745
0.5935	0.3025	-0.5275	-0.9155	-0.2285	-0.3285	0.3425	0.6755	0.7085	0.3365	0.1915	-0.1675	0.6385	0.4515	0.6815	0.6335	0.2695	0.0535	-0.8355	0.1425	-0.0535	-0.1465	0.0785	0.4845	-0.2195	0.4025	-0.5535	0.0485	-0.0835	0.1325
0.4	0.549	0.551	0.114	0.462	0.152	-0.395	0.527	0.619	0.661	0.568	-0.392	0.4	-0.213	-0.232	-1.04	1.049	0.414	1.083	0.584	0.231	0.781	-0.015	-1.212	-0.805	-0.698	-0.337	-0.112	0.616	-0.711
-0.217	-0.139	-0.472	0.127	0.12	0.041	-0.688	0.5	0.327	0.588	0.019	0.308	-0.409	-0.88	-0.244	0.418	0.075	0.258	-0.804	-0.953	-0.159	-0.186	0.314	-0.874	-0.143	0.441	0.528	-0.023	0.21	0.001
-0.0155	0.6995	1.1155	0.9675	1.4985	0.5745	0.9385	1.6715	1.5865	1.5795	0.2965	0.7475	1.1295	-2.0445	1.0245	0.8555	0.9385	2.0485	-0.2175	0.3345	0.5575	0.4105	-0.7305	0.6325	1.0355	-1.5525	-0.1025	0.3935	0.5755	-1.0305
0.033	1.563	0.129	0.126	0.923	0.175	-1.087	-0.988	-1.037	-0.699	-0.069	0.578	-0.998	-0.37	-0.308	-0.288	0.67	0.028	-1.621	-0.836	-0.676	0.28	0.025	5.277	-0.684	-0.439	3.522	-0.254	1.339	0.434
0.019	-0.451	0.382	-0.226	-0.119	-0.364	0.295	0.232	0.191	0.165	-0.133	-0.065	-0.142	-0.126	0.348	0.047	0.66	0.01	0.63	0.636	0.287	0.499	-0.312	-0.034	1.703	1.373	-0.279	0.583	0.628	0.002
-0.048	-0.016	-0.291	0.103	-0.222	0.146	-0.051	0.133	0.234	1.442	-0.22	-0.358	0.082	0.033	0.009	0.321	0.004	-0.141	0.282	0.081	-0.146	-0.28	0.49	0.185	-0.24	0.117	-0.327	-0.139	1.062	-0.074

Table 18.

9819-0103 LUMINAL	BR02-705 LUMINAL	UB69 LUMINAL	UB21 LUMINAL	UB56 LUMINAL	UB44 LUMINAL	BC00040 LUMINAL	BR02-704 LUMINAL	BR02-705 LUMINAL	BR03-726 LUMINAL	BR95-018 LUMINAL	9830-0200 LUMINAL	9830-0201 LUMINAL	9830-0203 LUMINAL	PB249 LUMINAL	UB-120 LUMINAL	BC00079 LUMINAL	BC00017 LUMINAL	BR-02-704 LUMINAL	BR-99-062 LUMINAL	PB293 LUMINAL	PB407 LUMINAL	UB-88 LUMINAL	030311-M LUMINAL	BR95-015 LUMINAL	9830-0002 LUMINAL	9830-0005 LUMINAL	PB307 LUMINAL	BR98-016 LUMINAL	UB78 LUMINAL
-0.1615	0.4415	0.0965	-0.6515	0.1725	-0.1585	-0.1715	-0.1955	-0.5155	-0.5805	-0.3815	0.4885	-0.2715	-0.3915	0.1285	-0.4715	-0.4015	-0.3015	0.0115	-0.0965	-0.0915	0.1995	-0.2715	-0.2085	0.0245	-0.0115	0.0135	-0.2015	-0.1115	-0.1035
-0.578	-0.716	0.164	-0.248	0.059	0.155	-0.105	-0.449	-0.409	-0.014	-0.018	-0.664	-0.247	0	0.179	-0.749	-0.271	-0.062	-0.635	-0.196	0.208	0.224	0.173	0.062	0.009	0.026	-0.07	0.203	0.366	0.054
-0.1525	0.2545	-0.2875	-0.4645	-0.3875	0.1405	-0.2645	0.0465	0.0595	-0.0785	-0.3845	0.0685	0.0335	0.1145	-0.3415	-0.1595	-0.1175	-0.0795	-0.2075	0.0435	-0.3265	-0.4695	-0.1355	-0.4385	-0.5085	-0.4905	-0.0035	-0.2845	-0.7545	0.3665
-0.389	-0.985	-0.879	-0.051	0.837	0.003	-0.218	-0.205	-0.488	0.101	-0.551	0.024	-0.546	-0.455	0.179	0.036	-0.324	-0.433	-0.248	-0.063	-0.387	0.107	-0.745	0.729	-0.533	-0.128	-0.609	-0.569	-0.08	-0.221
-0.124	-0.726	0.649	-0.305	0.133	0.21	0.025	0.293	0.259	0.081	-0.304	-0.231	-0.05	-0.768	0.594	0.228	-0.367	0.151	0.694	0.066	-0.611	0.087	0.879	0.173	0.064	0.368	0.748	0.452	0.417	0.024
-0.186	-0.092	-0.757	0.296	0.788	0.301	0.806	-0.87	-0.79	-0.468	-0.012	-0.062	0.22	-0.525	-0.797	0.299	0.35	0.013	-0.055	-0.312	0.001	0.032	0.069	0.193	0.307	-0.709	-0.221	0.404	0.311	-0.428
1.6855	0.2045	-0.1455	0.2945	0.6905	-0.3275	-0.3125	0.0025	0.0545	-0.4925	2.2485	-0.7475	2.3135	2.0145	0.1945	0.6055	-1.1695	1.1495	-0.2415	1.9935	1.5365	2.3585	-0.0155	-0.6605	-0.3315	-0.7815	-0.0075	-0.8165	0.0575	0.0555
1.27	-0.277	-0.292	1.05	0.351	0.21	2.018	0.365	0.403	0.051	0.88	0.666	0.858	2.173	-0.569	0.914	0.47	-0.205	1.762	1.623	0.975	0.249	1.011	1.214	-0.27	3.974	-0.812	-0.165	0.504	1.634
-0.659	0.151	-0.129	-0.489	-0.48	-0.275	-0.189	0.608	0.506	-0.74	0.091	-0.169	0.041	-0.749	-0.229	-0.169	-0.479	-0.529	-0.665	-0.393	-0.169	-0.258	-0.619	0.068	-0.066	-0.169	-0.329	0.071	-0.409	0.098
0.2515	-0.1285	-0.1135	0.3055	-0.6825	-0.0315	-0.5055	-0.0135	0.1625	-0.3115	-0.1945	0.0235	-0.5635	-1.5845	0.2085	-0.3315	-0.1005	-0.3815	-0.0195	0.2535	0.1055	0.5305	-0.1995	1.0445	0.7265	0.2625	-0.2435	-0.1255	0.3765	-0.1275
0.9125	-0.6715	0.6215	0.3065	0.6085	1.5315	1.2005	1.1805	1.0335	-0.2375	0.0355	1.9275	1.4295	2.1105	1.9085	2.6925	-0.2655	1.2585	-0.2995	1.0435	1.3485	0.1195	0.2315	0.5875	-0.2305	0.6515	-0.1445	0.4935	0.8645	-0.0325
-0.2335	-0.7035	-0.4695	-0.2485	-0.1185	-0.1635	0.5575	-0.6715	-0.6145	-0.6405	0.2155	0.3055	-0.1375	-0.3115	-0.1575	0.0605	0.0325	-0.2825	-0.1045	-0.5515	-0.0975	0.0315	-0.3245	0.5495	0.1215	0.4585	0.2535	0.1665	0.2755	-0.3165
-0.0765	0.5435	1.2845	0.5345	1.5555	1.1765	1.2425	0.1005	0.4505	0.3935	0.4435	1.2195	1.5065	-0.1095	0.7105	0.7395	0.5025	0.9405	0.4745	0.3415	1.1675	-1.3405	0.5055	0.4145	0.5095	-0.2945	0.0135	0.5395	1.0665	-0.1985
0.392	-0.116	0.405	0.217	0.146	0.26	0.087	-0.008	0.019	0.879	-0.373	0.402	0.035	0.173	-0.055	0.688	0.432	0.145	0.345	-0.01	-0.307	-0.115	0.933	2.202	1.469	0.265	-1.518	0.751	-0.719	0.539
-0.518	-0.172	-0.679	-0.327	-0.028	-0.645	-0.099	-0.979	-0.87	-1.154	-0.544	0.606	-0.01	-0.481	0.231	0.902	0.373	0.332	1.539	0.97	0.616	0.941	0.526	1.165	-0.284	-0.297	0.779	0.267	-1.581	1.677
0.1305	-0.1435	-0.2775	0.2635	-0.1315	-0.1325	0.0365	-0.1565	-0.0715	-0.4275	-0.1265	-0.3035	-0.5965	0.9845	0.4865	0.3285	-0.4965	-0.5095	1.5695	1.4365	-0.4735	1.8075	0.3345	-0.3595	0.3775	0.0055	0.0135	-0.0805	0.5475	0.7155
0.526	1.008	0.64	-0.407	-0.319	-0.122	0.231	0.409	0.487	1.074	1.453	0.386	0.757	-0.167	0.264	0.352	0.631	1.28	0.884	0.435	0.573	-0.178	-0.8	-0.377	-0.127	-0.284	0.549	0.491	0.97	-0.675
0.1555	0.7645	1.1385	-0.1345	0.5115	-0.0845	1.2975	-0.7575	-0.8465	0.5255	-0.0685	0.7285	0.7245	0.0545	0.9885	0.6095	0.8935	-1.6765	-0.3695	0.4585	1.1595	0.3505	0.4445	0.6375	-0.1045	0.0465	0.4145	0.0595	0.4055	0.8475
-0.0005	-0.1735	0.4755	-0.0645	0.7515	-0.0055	-0.8505	-1.2075	-1.2835	-0.1775	-0.7365	-0.2615	-0.6615	0.0965	-0.9025	-0.2095	0.4145	-0.1385	0.4105	-0.3425	1.2015	0.2225	1.1005	-0.6005	-0.7265	-0.4455	-0.4435	-0.1335	-0.9405	-0.7945
0.0145	0.6805	0.1925	0.1645	0.5335	-0.0505	0.6215	0.5025	0.4075	0.2255	-0.4545	-0.1505	0.9055	0.4015	0.0895	-0.1925	0.6745	0.0225	-0.4015	-0.3235	1.1095	0.4705	-0.1455	-0.5625	-0.2115	-0.3255	0.2195	-0.1145	-0.3715	-0.0635
-0.496	0.102	0.638	-0.331	0.097	0.003	0.018	-0.08	-0.161	-0.41	-0.003	0.358	0.019	-0.88	0.267	-0.301	0.212	0.056	-0.353	-0.039	0.682	-0.613	0.734	0.943	-0.368	0.096	-0.473	-0.488	0.188	0.393
0.23	-0.273	-0.185	0.039	-0.082	0.467	-0.221	-0.596	-0.439	-0.024	-0.041	-0.231	-0.202	-0.101	-0.207	-0.641	0.444	0.162	0.726	-0.005	0.994	0.186	-0.455	2.069	0.367	-0.257	-0.172	-0.122	-0.141	0.724
-0.7685	0.1385	-0.6905	-0.5085	-0.6845	-0.0245	0.6025	0.5105	0.5485	-0.1415	0.2825	-0.6795	0.0295	1.3755	-0.2875	0.9165	-0.0685	0.6395	-0.9385	1.5475	1.1165	1.5105	0.2365	0.1685	-0.4965	-0.4325	0.1495	0.5955	0.5245	0.4475
-0.357	-0.16	0.528	0.774	0.389	0.277	0.306	-1.065	-0.986	-0.704	-0.689	0.147	0.087	0.789	-0.679	-0.52	0.695	-0.661	-1.364	-2.519	-1.162	-0.066	-0.59	0.572	-0.978	-0.877	-1.392	-0.888	-0.437	-0.006
1.0275	0.5285	0.8825	1.3285	0.7135	0.8375	-0.0225	0.2505	0.3835	-0.1105	-0.4855	0.1865	-1.0495	-0.4525	-1.2545	-1.1125	-0.5985	0.8985	-1.2905	-1.8315	-0.1005	-0.6015	0.1795	-1.6655	-0.6885	0.2495	-1.0195	-0.5875	-0.2795	0.1575
0.1245	0.3055	-0.0055	0.0645	-0.0675	-0.3215	-0.0865	0.0885	0.1255	0.4575	-1.0115	-0.3075	0.1035	-0.6165	-0.4185	0.2085	0.2465	-0.4675	0.1245	0.0715	-0.0955	-0.2585	-0.2435	0.5165	-0.5575	-0.7075	-0.1235	0.1405	-0.2285	0.8625
0.0015	0.3355	0.5485	0.0275	0.2405	-0.0355	0.0355	-0.4725	-0.4585	-0.3465	-0.6395	-0.3435	-0.0565	-0.7455	0.3405	-0.3325	0.0895	0.2075	-0.3335	-0.3645	0.4585	0.4685	1.1095	0.3955	-1.5845	-0.5525	0.3945	0.0705	0.5275	-0.1625
0.611	0.548	0.078	-0.024	0.535	0.22	1.523	1.033	1.102	0.395	0.215	0.005	1.312	0.158	0.747	0.858	0.339	-0.771	1.219	0.252	0.331	-0.43	0.27	1.47	-0.622	0.191	2.422	1.046	0.4	1.038
0.398	0.357	0.75	-0.232	0.281	-0.175	0.014	0.471	0.527	0.248	0.213	0.276	0.479	-0.427	0.745	0.089	0.197	0.036	-0.331	0.537	0.463	0.76	0.13	0.327	-0.501	-0.283	0.511	0.201	0.767	0.427
-0.1115	0.1485	-0.0145	0.1095	0.4305	0.1055	-0.1895	0.3545	0.2925	0.0045	0.0725	-0.0545	-0.0195	-0.4565	-0.4935	-0.5635	0.0845	-0.2125	0.1985	0.2975	-0.1575	0.2735	0.1695	0.2915	-0.3055	-0.0655	-0.1625	0.0745	-0.1755	0.4215
-0.204	-0.234	-0.06	0.166	0.264	0.09	0.444	-0.097	-0.182	0.441	0.761	-0.355	-1.174	0.238	-0.109	0.616	0.683	0.477	0.533	0.002	-0.431	0.089	0.001	-0.605	-0.092	-0.283	0.171	0.604	-0.419	0.388
-0.0595	0.0845	-0.0195	0.0875	-0.0315	0.0605	0.0075	-0.2455	-0.4195	0.0475	0.2035	0.1165	0.2775	-0.2595	-0.1465	-0.0055	-0.0215	-0.3475	-0.5045	0.1305	-0.1755	-0.0845	0.0105	0.4265	-0.0665	-0.2275	0.7065	-0.1015	-0.1125	0.1605
-0.7415	-0.8325	-0.7005	0.3745	-0.7615	0.5795	-1.2955	-0.9395	-0.8985	-0.8755	-0.8425	-1.0515	-1.6965	-2.6185	-1.6365	-1.5575	-2.1015	-1.0705	-0.5775	-1.8215	-0.5375	0.9275	1.0495	-2.6705	0.9035	-1.8985	-1.7065	-1.5575	-0.8005	-0.4955
-0.1505	0.5285	-0.3945	0.2565	-0.1895	0.0935	-0.0425	-0.7585	-0.8325	-0.2755	-0.1565	-0.2495	0.0125	-0.4615	-0.3435	-1.1105	-0.1145	0.0655	-0.3365	0.7875	-1.0525	-0.0705	-0.5525	0.6925	0.2385	-1.0725	0.2845	-0.6365	-1.0165	0.2665
0.15	-0.808	1.592	-0.296	1.002	1.037	2.287	-1.068	-1.085	0.325	0.293	1.582	1.148	2.563	2.234	1.079	0.485	0.902	-0.61	-0.116	1.887	0.619	2.438	0.307	0.536	0.652	0.82	2.063	1.327	1.218
0.715	0.065	-0.304	0.464	0.817	-0.185	0.529	-1.037	-1.079	0.585	-0.584	0.303	-0.029	0.691	-0.199	-0.878	0.871	-0.492	-0.541	0.576	-0.026	0.559	-0.971	0.76	-0.487	-0.321	1.77	0.868	-0.685	-0.43
1.1225	0.3065	1.2705	-0.0565	0.0175	0.4055	2.3465	-0.6075	-0.4555	-0.2085	0.8545	1.2795	0.6335	2.8925	2.7465	0.6375	-0.2785	0.8665	-0.9235	-1.0975	1.6285	1.1265	2.1745	0.1525	0.6655	0.8355	0.1735	1.0735	0.8375	1.4385
-0.2505	-0.0545	-0.3945	-0.1095	0.1145	0.0105	0.1025	-0.8035	-0.7115	-0.3545	-0.2575	-0.3355	0.3165	-0.4495	0.0395	-0.2415	-0.0065	0.0925	0.0115	-0.3065	0.0765	0.0465	-0.4835	0.3135	-0.4095	-0.3755	-0.3025	0.2315	-0.2505	0.3045
0.7405	-0.3455	0.3895	0.0825	0.2795	-0.2115	0.0085	0.9405	0.9745	0.3935	0.2265	0.0485	0.5955	0.0165	0.0605	0.3385	0.4695	-0.2985	-0.1515	0.7185	0.5665	-0.2165	0.2575	-0.3075	-0.3685	-1.3795	-0.1065	-1.1935	-0.2435	0.2055
0.3175	0.4595	0.2905	-0.0235	0.4855	-0.0985	-0.4675	0.0085	-0.0845	0.4755	0.3725	0.3305	0.4645	0.8685	0.7575	-1.4315	0.0545	-0.2285	0.0045	1.1195	-0.0125	0.5975	0.1995	1.3305	0.1385	0.0895	0.4125	0.5775	-0.1045	1.1655
0.432	0.495	0.482	-0.185	0.087	-0.136	-0.117	-0.971	-1.537	0.048	-0.288	-0.461	-0.161	-0.043	-0.242	-0.541	0.221	-0.133	-0.047	0.272	-0.083	0.492	-0.937	0.151	-0.292	-0.494	0.026	0.635	0.142	-0.009
0.169	0.234	0.529	-0.343	-0.2	-0.129	0.448	0.517	0.659	-0.04	0.213	-0.857	0.46	0.105	0.586	0.329	0.199	0.449	0.884	1.161	0.325	-0.123	-0.032	-0.029	0.228	-0.185	0.457	1.217	0.163	-0.404
0.14	0.289	-0.152	-0.341	0.232	0.433	-0.483	-0.134	-0.079	-0.121	0.455	0.276	0.362	0.373	1.226	1.745	-0.547	0.829	0.3	0.951	-0.196	0.344	0.001	0.133	-0.434	0.114	0.105	-0.054	0.035	0.597

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB328-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
1.3895	1.4905	1.0375	3.0865	1.8925	1.5455
-0.521	-0.253	-0.671	-0.083	0.045	-0.731
1.637	1.261	0.782	-0.146	-0.114	0.694
0.0885	0.3335	0.1225	0.2925	-0.1855	-0.5695
2.1475	0.9445	0.6235	0.3145	0.4775	-0.3195
-0.97	-0.321	-0.122	-0.666	0.002	0.706
-0.3435	0.9485	0.9455	0.3365	-0.7415	-0.9105
-0.254	1.945	-0.803	-0.715	-0.366	0.974
-0.1755	0.0795	-0.8855	-0.1765	0.6345	0.8335
0.1205	0.3205	1.2585	0.7195	-0.2085	-0.4335
-0.6515	-0.4635	-1.2445	1.5085	-0.0865	0.3725
-0.215	0.658	-0.089	0.058	0.533	0.654
-0.2975	-0.1035	0.0965	-0.0025	-0.1435	-0.1785
1.9685	1.6535	2.2265	-0.2985	-0.2755	-0.6635
-1.157	0.464	-0.823	2.817	1.627	0.323
-0.3985	0.5085	-0.5565	-0.5335	-0.6135	-0.0355
0.7035	0.6955	-0.4495	-0.6865	0.1545	0.0645
1.6835	1.0425	4.3815	3.7245	0.3705	1.5755
0.4775	-0.3845	-0.9775	0.8065	0.3095	0.8695
-0.2505	1.2135	-0.2335	-0.1765	-0.4245	-0.2655
-0.485	-0.061	-0.229	0.361	0.201	0.005
-1.166	0	0.125	0.009	-0.667	0.472
0.388	-0.643	-0.275	0.101	-0.615	0.411
0.899	1.078	1.112	0.054	-0.092	-0.826
0.4515	0.2685	0.5235	0.2135	0.2455	0.3635
0.2565	0.0875	0.2225	0.1695	-0.1115	-0.1385
0.4755	-0.6375	-1.2045	0.0435	0.0465	-0.1095
-0.692	-0.596	-0.428	0.324	-0.334	-0.804
-0.208	0.655	0.79	0.113	0.101	0.014
-0.9965	1.1955	-0.0935	0.7185	0.4255	0.3075
-0.169	0.386	-0.287	-0.171	-0.038	0.114
0.9165	-0.0855	-0.2235	-0.4275	-0.1195	-0.0755
0.2605	1.2245	-0.2375	0.2845	-1.0475	-1.7525
0.2785	-0.8695	-0.4095	-0.2425	-0.5225	-0.0265
-0.548	0.263	0.656	0.273	0.105	-0.666
2.414	1.122	1.352	0.648	-0.394	0.483
0.221	-0.164	0.297	0.481	-0.678	-0.051
-0.237	0.156	1.017	0.13	-0.386	0.533
0.584	-0.02	-0.189	0.492	0.242	-0.09
0.069	-1.536	-1.559	0.922	-1.54	-0.013
-0.693	0.475	-0.105	0.87	0.586	0.398
-0.0405	0.6105	2.7355	0.2405	-1.0615	-0.1655
3.4605	-1.3505	-1.3885	-0.4365	-0.6575	0.3135
0.999	0.535	1.292	0.596	0.675	0.715
-0.085	0.106	-0.798	2.171	1.827	1.72
0.7505	-0.1705	0.6725	0.5585	-0.1045	0.1275
1.28	0.09	1.768	-0.275	0.677	0.764
-0.4225	0.3875	0.3535	-0.0105	0.2725	-0.4385
0.414	0.198	0.347	0.778	-0.456	-0.325
0.5185	-0.4295	-0.0305	0.2635	0.2615	0.3965
0.132	2.038	3.539	0.805	1.242	0.339
0.224	2.066	3.607	0.74	1.297	0.038
0.226	-0.014	-1.197	-0.039	-0.627	-0.302
0.4445	0.0085	-0.0605	-0.6355	0.9575	-0.0385
1.1085	0.2045	0.8445	-0.0195	0.0625	0.2265
3.07	0.032	-0.311	0.643	-0.232	-0.143
0.8555	0.3285	1.1985	-0.0485	0.3765	0.2405
0.036	0.13	-0.302	-0.101	-0.121	0.067
0.3555	0.7885	1.0825	0.5225	0.0935	0.0315
-0.458	0.455	1.728	0.209	-0.181	-0.47
-0.493	0.929	-0.554	-0.228	0.178	0.421
-0.0855	0.4585	0.7245	1.3045	0.1395	-0.3565
-0.0375	0.2825	0.2905	0.2855	0.4515	-0.2485
1.1365	-0.0525	0.0705	-0.3255	0.2215	-0.5925
0.855	-0.274	0.234	-0.195	-0.259	-0.292
-0.302	-0.213	0.554	0.979	-0.17	-0.451
-0.063	0.303	0.159	0.33	-0.206	0.038
0.2355	0.2455	0.0425	-0.2185	0.4785	-0.3645
0.838	-0.423	-1.038	-0.557	-0.798	-0.704
-0.428	-0.212	0.342	-0.635	-0.167	1.443
0.67	-0.347	0.603	0.365	0.033	0.168
0.3385	1.4545	0.1645	0.5725	0.1115	0.3065
-0.441	0.409	0.466	-0.221	-0.48	-0.252
-0.8335	-0.9765	-0.7605	-0.6535	-0.8115	-0.2055
0.197	-0.725	-0.847	0.381	0.191	-0.047

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
0.6225	-0.1645	-0.2635	0.5035	0.2095	0.0295
0.5825	0.2495	-0.1305	0.2935	-0.5215	0.2595
0.6215	0.7535	1.5855	-1.0885	1.7255	0.7585
1.6725	-0.5705	-2.5985	-1.5165	-0.1655	-0.0985
1.934	-0.422	1.497	0.333	0.006	-0.398
1.212	1.526	1.126	0.07	0.295	-0.261
2.555	2.258	2.678	1.503	0.543	0.989
0.0935	-1.1325	-0.4165	-0.4105	2.7485	-0.5105
0.073	-1.735	-0.318	-0.731	1.145	-0.647
2.1765	2.5325	0.9175	0.0025	2.3085	1.6855
-0.2595	0.1455	-0.7795	-0.4685	-0.7005	0.1515
0.324	0.399	0.139	-0.21	-0.497	-0.194
0.223	0.311	0.192	0.035	0.093	0.169
-0.969	0.192	0.736	-0.266	0.95	-0.811
-0.2415	0.0575	-0.0435	-0.3485	-0.0995	-0.5665
0.0905	-1.0375	-0.3755	-0.6305	-0.1895	-0.5255
0.8955	0.9305	0.5885	0.6375	0.3775	1.5545
-0.179	0.231	0.71	-0.052	0.254	-0.435
1.603	-0.642	-1.342	-1.288	-0.348	0.001
-0.444	-0.415	-0.261	-0.351	0.572	0.323
-0.706	1.02	0.868	0.806	-0.35	-0.766
0.3385	-0.1885	-0.2765	0.4085	-0.6645	-0.0325
-0.6575	-0.5885	-0.6295	-0.5975	-0.7905	0.0785
-0.21	0.313	-0.097	-0.773	0.57	-0.101
0.644	1.028	-0.178	0.451	0.197	-0.031
0.488	0.808	0.092	0.492	-0.092	-0.123
-0.8845	0.6875	0.0045	-1.4765	-1.1345	-0.9675
1.1715	1.1265	0.7125	-0.0255	0.7195	-0.2975
0.48	0.817	1.314	-0.141	0.028	-0.067
0.381	0.016	0.776	1.303	0.002	0.609
1.1485	-0.2425	-0.4715	-0.2735	0.0185	-0.7125
-0.94	-0.265	-0.117	-0.668	-0.393	-0.18
0.404	0.55	1.535	0.991	0.006	0.078
0.032	0.006	0.89	-0.812	-1.171	0.187
-0.5285	-0.9175	-0.3235	-0.1385	-0.3055	0.0005
0.1485	0.5525	-0.1135	-0.2605	0.3575	-0.1995
1.183	-0.078	1.46	-0.121	0.117	-0.155
0.2855	-0.0875	-0.1315	0.2045	-0.3125	-0.3425
-0.6905	-0.6105	0.5115	1.2095	0.5595	1.6055
0.1105	-0.1145	-0.2325	0.0925	-0.5165	0.2085
-0.277	-1.506	-1.003	-0.63	0.632	-0.55
0.2605	-0.0515	-0.6805	-0.8705	-0.2515	-0.3625
0.086	0.444	0.604	-0.505	-0.193	0.145
-0.416	0.099	-0.28	0	0.04	0.182
0.401	0.605	1.335	-0.008	-0.392	-0.296
-0.5	-0.46	-0.794	-1.016	0.12	-0.12
-0.7185	0.1415	0.1365	0.4435	-0.4965	-0.5725
-0.495	0.886	-0.015	0.307	-0.05	0.764
0.098	0.125	-0.286	0.377	0.192	-0.283
0.703	0.008	-0.522	-0.082	0.611	-0.019
-0.8265	-0.8835	-0.5035	-0.2415	0.4825	-0.4055
1.2545	0.4645	0.9085	0.5745	-0.4885	-0.8915
1.3	1.517	0.948	1.696	1.024	-0.148
-0.108	0.514	-1.132	-0.787	-0.576	1.222
-0.0025	-0.2485	0.0775	0.2425	0.2905	0.0135
0.5685	0.3355	-0.4605	0.1635	-0.3195	-0.0995
2.359	0.035	-0.234	-0.174	0.246	0.578
-0.859	-0.103	-0.832	-0.411	0.198	0.087
0.197	-0.549	-0.129	-0.383	0.37	-0.071
0.304	-0.289	-0.109	-0.22	-0.206	-0.68
0.2025	0.4985	-0.2675	0.1755	0.2275	-0.1045
-0.638	0.443	1.218	-0.312	-0.311	-0.365
0.059	0.316	0.296	-0.004	0.322	0.129
-0.167	-0.234	-0.313	-0.017	0.18	0.221
0.848	0.706	0.263	-0.875	-0.196	1.42
-0.253	0.998	0.273	-0.244	-0.452	0.381
0.264	0.197	-0.519	-0.246	-0.169	-0.474
0.043	-0.717	-0.408	-0.18	0.287	-0.622
0.012	0.57	0.032	-0.738	-0.337	-0.648
1.765	0.797	0.362	1.574	1.162	0.661
0.1345	-0.1185	0.4015	0.5185	0.1815	-0.2265
-0.139	0.94	-0.069	2.73	0.532	0.634
1.5575	0.8265	2.3515	0.5675	-1.3175	-0.2105
0.1975	-0.4955	0.1675	-0.1665	0.3265	0.2385
-0.472	2.82	-1.548	2.783	1.095	1.005

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024f LUMINAL	PB475 LUMINAL
0.691	0.026	-0.142	0.395	0.001	-0.438
-0.232	0.228	0.21	-0.397	0.576	0.127
-0.2785	0.7975	-0.4115	-0.3255	-0.0685	-0.2965
1.083	0.015	-0.351	1.085	1.233	-0.051
-1.686	0.756	-0.15	0.199	0.257	-1.184
-1.924	1.064	-0.226	0.193	0.381	-1.305
-0.007	-0.224	-0.267	-0.163	-0.068	0.15
0.0515	-0.1935	-0.0195	0.0475	0.3115	-0.1415
3.346	0.668	0.078	-0.218	-0.38	-0.402
1.931	-0.68	-0.758	-0.716	0.068	2.129
0.3195	0.7165	-1.5285	-0.8475	0.6205	0.2525
-0.0405	0.8245	0.4035	0.8215	0.9145	0.0375
0.209	0.271	0.629	0.078	0.272	-0.202
1.624	1.708	-0.228	-0.8	-0.068	-1.094
0.4505	-0.4195	-0.4125	1.6695	0.4455	0.7165
-0.468	0.333	-0.004	-0.529	-0.474	-0.168
0.4135	-0.2165	0.6055	-0.1155	-0.1965	-0.0285
1.0225	1.5885	1.5725	-0.0435	0.4445	0.1885
-0.0115	0.4285	0.0925	0.4805	0.3035	-0.0005
-0.068	1.051	0.885	-0.002	-0.206	-0.057
-0.283	-0.243	-0.288	-0.215	-0.168	-0.041
-0.4055	-0.1655	-0.4625	-0.1475	0.2245	0.0645
0.461	-0.642	1.605	1.246	0.288	-0.282
-0.7395	1.2155	-0.1465	-0.2345	0.1295	0.6225
-0.416	-0.35	-0.213	-0.285	-0.115	-0.259
0.0025	-1.8405	1.1905	1.9135	0.2055	-0.1765
-0.288	0.414	0.668	0.024	0.152	0.06
-0.159	-1.073	-2.678	-0.253	0.508	0.681
-0.1345	-0.4175	0.1065	-0.2285	-0.3165	-0.0505
0.534	0.628	-0.42	1.034	-0.407	0.27
0.0845	0.7655	0.6185	0.1225	-0.0335	0.1505
1.408	1.331	1.495	-0.432	1.017	-0.041
1.7995	0.9455	3.1535	0.1205	1.9445	0.1635
-0.1465	0.1715	0.0805	-0.4445	0.6305	-0.3795
0.8215	-0.3085	0.3965	-0.4985	-0.2535	0.3545
-0.3585	-1.2965	-1.2585	-0.3015	-0.1225	-0.4385
-0.259	2.486	1.928	0.206	0.222	0.184
-0.6225	0.8215	0.9125	0.9225	-0.2365	-0.0405
-0.0525	0.1985	1.2545	0.2385	0.3275	-0.5235
-0.0575	0.2495	0.5595	-0.0005	0.0935	-0.4575
-0.354	0.427	1.616	1.05	-0.523	0.054
-3.351	1.535	-1.127	-1.604	0.009	-0.259
0.2535	-0.8545	-1.0285	0.4375	-0.1905	-0.4135
-0.534	0.417	0.134	0.097	0.072	-0.497
-0.4175	-0.8925	0.9285	-0.3505	-0.8595	-0.2265
-0.1125	1.1395	1.0635	-0.3825	0.1765	-0.7225
0.0005	0.6735	0.6505	0.0645	0.0905	-0.1605
-0.825	1.048	0.432	-0.368	-0.276	-0.478
0.005	0.164	0.679	0.117	-0.19	-0.585
0.6945	1.0975	1.2545	0.5425	-0.1255	0.5045
-0.446	0.211	0.457	-0.593	0.36	-0.299
-0.318	0.177	0.674	0.054	-0.141	-0.189
-0.008	0.425	1.024	0.263	0.29	0.016
-1.32	-0.006	-1.035	-0.178	0.319	0.342
-0.3195	0.2825	-0.2685	-0.2705	-0.5385	-0.0685
0.5375	0.1025	0.0585	0.0685	-0.1245	-0.4455
-0.445	-0.427	-0.179	0.093	0.811	0.33
0.1065	-0.5365	-0.5585	0.3565	-0.1795	-0.5125
-0.2005	-0.4365	0.5845	-0.4045	-0.3055	-0.8345
-0.2755	1.1875	-0.7425	1.2765	0.0165	-0.0315
1.179	0.524	-0.493	0.909	-0.071	-0.332
1.465	-0.208	0.651	0.443	0.856	-1.014
0.077	1.019	0.603	0.243	0.007	-0.059
-0.3315	-0.1745	-0.6655	-1.0065	-1.0525	-0.1525
0.149	0.777	0.638	0.726	-0.068	0
-0.552	-0.006	-0.056	-0.036	-0.304	-0.286
-0.013	-0.682	-0.825	-0.299	-0.606	-0.814
1.592	-1.12	-1.005	-0.826	-0.952	-0.622
0.227	-0.169	-1.087	-0.126	0.077	0.093
-0.152	-0.175	0.004	-0.088	-0.296	-0.3
-0.09	-0.351	-0.34	-0.046	-0.395	-0.265
-0.4035	-0.2755	-0.0345	-0.2195	-0.2285	0.1605
0.553	-0.126	0.118	0.245	-0.387	0.419
0.7945	0.0655	-0.0055	0.3885	-0.1405	-0.1415
-0.048	0.542	-0.716	0.122	0.7	0.132

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
-0.3005	0.2805	0.2095	-0.6305	-0.3025	-0.0365
0.1125	1.3905	0.2605	1.2225	0.1625	-0.0395
-0.4445	-0.1505	-0.2375	0.5925	0.3775	0.3095
0.7835	-1.6445	1.0355	0.5875	-0.5755	-1.0555
0.118	0.004	0.607	0.24	-0.484	-0.218
0.42	1.003	1.228	0.628	0.972	-0.182
-0.334	0.674	-0.005	-0.38	-0.296	-0.572
0.2385	0.5015	-0.3055	0.4595	-0.9455	0.0785
1.0595	-0.4135	-0.4335	-0.2135	-0.3735	0.3105
0.9885	-0.7455	-1.3285	-0.1195	-0.4985	-0.8125
-0.5655	0.4625	-0.7355	-0.1715	-0.6115	-0.6075
1.785	0.403	2.015	2.188	1.047	2.325
-0.4045	-1.0615	-0.1605	-0.3345	0.7945	-0.5365
0.2025	-0.1025	-0.3245	-0.5185	-0.1025	0.0015
-0.056	-0.018	0.769	-0.434	0.106	-0.352
1.7315	-1.0225	-1.2585	-1.3285	-0.4985	-0.9675
1.201	-0.197	0.491	0.873	0.168	-0.201
0.098	-0.727	-0.42	-0.15	-0.989	-0.688
0.2685	0.4455	-0.2905	0.5895	-0.0695	-0.2105
-0.175	0.716	0.42	0.371	0.423	0.178
0.523	0.091	-0.017	0.23	0.304	0.027
0.6785	0.4365	0.3585	0.7495	-0.4435	0.0375
0.01	0.532	-0.494	0.377	-0.596	-0.163
0.178	-1.288	0.769	-2.085	2.734	3.072
-0.4925	0.2515	-0.2445	1.0935	-0.2485	-0.3465
-0.004	-0.134	-0.287	0.021	-0.011	0.009
0.6595	-0.6365	-1.8005	1.1185	-0.9255	-0.6755
0.876	1.233	0.648	0.905	0.796	1.017
-0.265	-1.352	0.024	0.337	-0.431	0.291
0.0025	-0.5805	-1.4475	-1.1415	-0.0025	-0.4655
0.407	0.369	0.704	0.559	0.365	0.268
0.578	-0.052	-0.645	-0.123	0.364	-0.004
-0.1025	-0.0015	0.1045	0.0325	-0.1305	-0.1115
-0.8565	-0.2255	0.0175	-0.1705	0.0055	0.2995
-0.483	0.444	-0.229	-0.482	0.145	0.019
0.3885	-0.4195	0.8455	0.1845	0.2995	-0.1995
0.69	0.042	0.912	0.171	-0.093	0.071
0.796	-0.124	0.885	0.107	-0.054	0.1
0.657	0.53	0.92	0.348	-0.444	-0.246
0.1005	-0.4465	1.3765	0.0785	1.5735	-1.1725
0.2275	0.1905	1.3195	0.4635	-0.1295	-0.6705
4.1075	-1.2545	-0.2505	-0.1585	-0.8215	-0.6085
-0.357	-0.281	-0.988	-0.239	-0.59	-0.375
-0.3495	0.5665	1.0125	0.3135	1.3135	-1.0385
0.377	0.889	0.476	0.723	0.26	-0.33
0.8355	0.1905	-0.1555	0.4045	0.1155	-0.6275
0.319	0.226	-0.074	0.192	0.359	-0.15
-0.602	1.257	-0.328	-0.544	-0.413	0.466
1.1775	0.3405	0.9145	1.4065	0.3925	0.7915
0.519	0.557	0.101	0.108	1.192	0.126
0.724	-0.578	-0.048	0.499	-0.275	-0.166
-0.187	0.276	-0.138	-0.311	-0.097	-0.003
0.568	0.893	-0.669	1.491	0.236	-0.153
-1.447	-0.308	-0.803	-0.744	-0.114	-0.142
-0.0745	0.2075	0.2815	-0.1255	-0.0515	-0.1215
0.0875	0.2815	0.1635	-0.2105	0.9785	-0.0235
0.7035	-0.7335	-0.5135	0.6575	0.2295	-0.1435
-0.8785	-0.8555	-0.1195	-0.3095	-0.7955	0.0645
-0.0285	-1.3905	-1.5085	0.0225	-0.3685	0.4485
-0.685	0.039	-0.815	0.169	-0.218	0.282
-0.7525	0.2245	-0.7625	0.0205	1.2185	0.3965
-0.892	0.393	-0.288	0.697	0.115	0.015
-0.0035	0.2265	0.0035	0.2445	-0.2405	0.3215
0.151	-0.059	0.609	0.245	-0.267	-0.151
-0.825	0.585	-0.199	-0.333	0.013	0.315
-0.0355	-0.0545	0.4815	-0.6945	-0.2685	-0.1015
0.747	0.776	-0.122	0.769	-1.4	-0.804
1.832	0.442	1.562	-0.307	0.3	-0.453
0.0555	-0.3145	-1.2285	-0.3555	-0.4335	0.6325
-1.34	-2.09	-1.232	0.155	-0.7	-1.04
1.7595	1.4115	2.8765	0.2085	1.6025	-0.3725
1.1785	-0.1715	0.3785	-0.0715	0.0795	0.1675
1.6895	2.3615	1.4775	-0.4425	1.1615	-0.0485
0.896	1.588	-0.214	0.914	0.295	0.682
0.312	-0.444	-0.023	0.542	0.001	-0.524

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
0.3515	-0.2985	-0.1365	-0.2125	-0.1695	-0.1965
-0.623	-0.176	-1.572	-0.313	0.784	-0.475
-0.301	-0.161	-0.063	0.015	0.01	0.096
1.3145	0.1475	-0.3975	-0.5305	0.7145	0.7295
-0.95	0.284	0.142	-0.957	-0.479	-0.607
1.1805	1.8995	0.1465	1.2465	0.0105	-0.0475
0.4225	1.4005	0.4575	0.2995	0.1415	-0.3645
1.473	2.035	0.349	1.659	-0.427	-0.202
0.327	-0.266	0.701	0.436	0.073	0.049
1.377	-0.659	1.424	0.408	0.507	-0.172
0.5235	0.3495	0.9245	0.6995	-0.0295	-0.0235
0.532	0.976	1.432	0.268	-0.152	-0.264
-0.904	-1.262	-0.607	-0.235	-0.37	0.127
0.0515	0.4435	0.2835	-0.2495	-0.2935	-0.4485
-0.23	0.711	-0.043	-0.499	0.346	0.061
-0.2535	0.2405	-0.1135	-0.3835	-0.4725	0.2425
0.6805	0.6345	-0.3455	-0.9675	0.0275	-0.2035
0.1455	0.2745	0.4875	0.1375	0.2235	-0.7145
-0.3495	0.1955	-0.0395	-0.0895	0.5185	-0.1935
2.016	1.26	0.479	-0.069	-0.299	-0.074
0.8255	0.8015	0.9595	0.5345	1.3285	0.3625
0.6025	0.0725	1.1285	0.1845	-0.5905	-0.1885
-0.55	-0.182	-1.019	0.001	-0.258	-0.788
0.385	0.797	0.585	0.868	-0.22	-0.104
-0.451	1.063	-0.732	-0.223	0.012	0.449
-1.9915	-0.9935	0.6075	-0.3875	-0.1975	0.6485
-0.5025	-2.1475	2.0275	0.2225	-1.1275	-0.5085
-0.91	0.194	-1.321	-1.117	-0.041	0.071
-0.342	0.819	-0.08	0.441	0.096	-0.516
0.077	-0.568	-0.267	-0.101	-0.636	-0.843
-0.5335	1.2195	-0.0235	0.2195	0.2145	-0.2965
-0.66	0.672	0.177	0.315	-0.223	0.415
0.3555	0.2745	0.4565	0.4135	0.2385	0.0815
0.5435	-0.3925	-0.2495	-0.2265	0.0455	-0.1145
0.75	-0.514	-0.849	-0.244	-0.698	-0.542
-0.1705	0.1505	0.1945	0.2375	-0.2405	-0.2585
1.336	-0.305	-0.085	-0.05	-0.187	0.18
0.046	1.052	-0.589	1.824	0.435	1.17
-0.7265	0.0235	-0.5165	0.1265	0.8055	0.7985
-0.211	-0.404	0.154	-0.211	-0.08	-0.133
0.964	0.637	0.635	-1.06	0.622	0.27
0.6825	1.2355	1.8685	-0.1355	0.6555	1.1515
-0.6815	2.9705	2.1105	1.2875	1.2035	-1.5335
0.094	0.071	0.047	-0.602	0.155	-0.351
-3.272	-2.075	-3.227	-1.291	1.357	-0.629
0.4	1.319	0.847	0.273	0.442	-0.237
0.341	0.732	0.248	0.717	-0.028	-0.072
-0.3405	-1.5245	-1.2665	0.2815	-1.3645	-0.6235
0.4405	0.1785	-0.0675	0.1525	-0.5775	-0.4595
-0.1515	-0.6665	-0.5305	-0.5685	0.2505	-0.1715
0.0645	0.7275	0.8295	0.3485	0.0975	-0.0265
-0.2035	-0.3815	0.3085	-0.4555	-0.5105	-0.2815
-0.2695	-0.7695	-0.8635	-0.4475	-0.4345	-0.1165
-0.0755	-1.4105	-0.7175	0.2545	0.1915	0.1145
-1.0725	0.0515	-1.2265	-0.6225	0.3045	0.2505
0.057	-0.181	-0.025	-0.255	0.496	-0.17
-0.389	-0.638	-0.216	0.205	-0.636	-0.111
-0.102	-0.097	-0.533	-0.19	-0.311	-0.495
1.8945	0.6045	2.0195	0.9905	0.7525	-0.5285
-0.27	-0.112	0.258	0.354	-0.614	-0.169
-1.0385	0.3775	-0.3005	0.8325	-0.6135	0.1345
-0.2325	-3.9215	0.2695	-0.0365	-1.4755	-0.3415
-0.5915	0.8665	0.0755	-0.2955	0.6275	1.3195
-1.3215	1.1305	-0.0415	0.0855	-0.3065	0.0335
-0.28	-0.017	-0.669	-0.206	0.163	0.764
-0.3095	0.1165	0.0005	0.4135	-1.6215	-1.2325
-0.2695	-0.2905	-0.1205	-0.2905	-0.4665	0.0005
-0.5265	0.0365	0.1255	0.2045	-0.4005	-0.0425
0.0635	-0.4085	-0.5115	-0.3335	-0.7235	-0.0895
-0.711	0.097	-0.415	-0.121	0.051	-0.169
-0.9175	0.1515	-0.3905	-0.6775	0.5275	0.3325
0.393	-0.619	-0.156	0.466	-0.428	-0.302
1.307	1.011	1.548	0.423	0.174	0.177
0.467	1.584	0.031	1.362	0.042	-1.144
-0.8025	1.1815	0.7385	1.0565	0.9265	0.6125

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
0.0475	1.7675	-0.4955	-0.3395	-0.4275	-0.4745
-0.6305	-0.1245	0.1985	0.3455	-0.5045	0.3855
1.5235	-1.9585	-0.0145	0.3675	-0.4415	0.3685
0.2305	0.7295	1.3285	0.5845	-0.4085	0.2075
0.374	-0.079	-0.051	1.115	-0.925	-0.6
-0.1315	0.9735	-0.3625	0.9915	-0.0485	-0.7045
-1.4995	-0.5045	-1.4605	0.6815	-1.0075	-1.3995
0.226	0.195	-0.967	0.098	0.347	0.267
0.6335	3.3505	0.7955	2.8265	1.2925	1.7095
-0.093	0.163	0.452	0.346	-0.345	0.734
0.1945	-0.4115	0.0155	-0.4075	0.2825	-0.0265
0.2045	-0.0105	-0.0565	-0.5515	1.2785	0.1095
0.2445	1.3255	1.0165	0.0265	-0.1555	-0.3845
-0.5035	0.5605	0.1455	0.3275	0.2455	-0.3595
0.3265	-0.2935	-0.6585	-0.8965	-0.9955	-0.1045
-0.131	-0.644	0.588	0.443	-0.561	0.248
-0.111	0.331	0.047	0.946	0.415	0.465
-0.1865	-0.3915	-0.4535	0.3175	0.1385	-0.0175
0.594	1.089	1.275	1.395	-0.447	-0.717
-1.494	-0.545	-1.204	-0.244	0.188	-0.077
-0.094	-0.284	-0.806	0.103	-0.331	0.28
-0.447	-0.029	0.702	0.728	-0.507	-0.409
-0.409	-0.337	-0.442	-0.489	-0.074	-0.163
1.018	0.507	0.633	0.179	0.903	0.002
-0.265	-0.149	-0.386	-0.262	-0.1	-0.422
-0.2905	-0.9485	3.2965	3.1555	1.7245	0.1665
0.0015	0.1755	0.0385	-0.1185	-0.6285	-0.1355
0.303	0.794	-0.414	0.777	1.263	-0.092
0.529	0.023	0.592	-0.011	-0.369	0.005
0.414	0.692	1.352	0.644	-0.333	-0.701
-0.445	1.517	0.677	0.057	-0.294	-0.038
0.212	0.718	0.362	0.985	-0.137	0.159
-0.5205	-0.4775	-0.0375	-0.1765	-0.0575	-0.4995
1.1575	0.6925	1.2985	0.3555	0.2315	0.0825
0.174	0.364	0	0.116	0.347	-0.143
-0.356	0.06	-0.52	0.453	-0.029	-0.089
0.6545	-1.2155	-0.0605	0.5225	-0.5635	0.0485
-0.615	0.895	0.05	-0.426	0.588	-0.393
0.431	-0.393	-0.307	0.57	-0.631	0.117
0.942	-0.237	0.518	0.918	0.749	0.246
1.634	2.76	-0.095	-1.063	-1.022	-0.085
0.7045	0.6175	0.1285	-0.2485	0.2295	0.4565
0.089	0.946	0.567	0.644	0.631	-0.162
-1.4745	-0.2705	0.3355	-0.3145	-0.2875	0.1675
0.2155	0.8445	0.3905	0.3805	0.3845	0.1575
0.265	-0.891	-0.959	-0.236	-0.452	-0.192
-0.0065	-0.4265	-0.4755	0.2725	0.0555	-0.6475
-0.059	0.44	0.068	0.524	-0.398	-0.353
1.293	0.257	0.956	0.87	-0.231	-0.117
-0.6825	-0.8855	2.6585	-0.1615	-0.9775	-0.2685
-0.3555	0.1975	-0.9165	0.8275	-0.3575	-0.3485
0.3515	0.3735	1.0855	0.3845	0.0725	-0.1305
0.928	0.46	-0.07	0.407	-0.451	0.226
0.767	-0.495	-0.754	0.843	-0.168	-0.214
-0.482	-1.95	-0.402	-0.282	-1.282	-0.317
0.8845	1.0205	0.4015	2.4265	0.4125	1.1025
-0.713	0.588	-0.357	1.616	0.162	0.161
-0.0145	0.0205	0.3255	0.6135	-0.1875	-0.5075
0.3665	-0.0735	0.6835	-0.4805	0.0795	-0.8415
-0.6465	0.0205	-0.7405	-0.1415	0.2155	-0.1525
0.7155	0.1035	0.1685	0.2715	1.4555	0.3705
0.3605	0.1105	0.4675	0.2325	0.4705	0.1145
-0.4445	0.2015	-0.4675	-0.1335	-0.0655	-0.6015
0.9815	1.2105	0.3495	0.1635	0.0235	1.1425
-0.8765	-0.6685	-1.2905	0.1455	1.3935	2.2695
0.0845	-0.4085	0.5835	0.6785	-0.3045	-0.3175
-0.0535	0.1705	0.1965	0.2435	-0.0655	-0.2905
0.0885	-0.0535	0.0085	-0.0945	0.1365	-0.1395
-0.434	-1.204	-0.288	0.984	0.679	0.41
0.533	1.008	-0.414	2.222	0.671	-0.15
-0.1715	0.3215	0.0355	0.8985	-0.0565	-0.4875
-0.2695	0.9415	0.5235	0.5255	0.1315	0.4265
-0.133	-0.769	0.232	0.176	0.347	-0.018
-0.005	0.324	0.241	0.034	0.034	-0.299
-0.162	0.535	0.288	0.394	0.044	-0.003

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB329-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
0.1065	-0.3025	0.0825	0.0265	-0.1985	0.0015
1.561	2.037	1.023	0.095	0.275	-0.624
2.51	1.441	1.832	0.902	0.364	0.316
-0.296	0.193	-0.858	0.308	0.036	-0.172
-0.209	-0.208	-0.294	0.194	0.277	-0.345
0.567	1.041	0.682	0.757	0.015	-0.445
-0.075	0.92	0.34	0.666	-0.714	-0.949
1.441	0.356	0.523	-0.327	0.254	0.635
0.509	-0.009	0.573	0.798	-0.011	0.171
0.4145	-0.1535	0.1825	0.0205	-0.5565	-0.3805
0.701	0.091	1.159	0.244	1.12	0.238
-0.162	0.678	0.016	-0.11	-0.093	-0.09
0.3155	0.0035	-0.8875	-0.5065	0.1385	-0.5635
-0.398	-0.327	-0.534	-0.072	-0.234	-0.245
-0.7585	1.1055	0.0595	1.4445	-0.1055	0.2295
0.3735	1.0275	-0.1945	0.6655	-0.1385	0.2475
-1.4945	-1.5025	-1.4505	-1.6325	-0.1035	-1.3215
0.3735	1.4445	-0.5885	1.0575	0.3705	0.6085
-0.4815	0.6455	-0.3495	-0.1915	0.9345	0.5055
1.284	0.407	0.665	-1.45	-0.574	0.044
0.1685	0.5445	0.1265	-0.0135	0.0005	0.3385
-0.536	0.243	0.268	-0.285	0.77	-0.272
0.7245	1.1215	1.2685	-0.3525	0.3775	-0.4265
0.377	0.593	0.782	-0.051	0.753	0.755
0.3825	1.9975	1.1655	2.9035	0.1645	1.1315
0.147	0.13	-0.045	-0.194	-0.299	-0.126
-0.4635	0.0295	-0.6795	-0.3145	-0.5745	-0.4385
0.58	0.61	0.584	0.844	0.043	-0.454
-0.269	0.572	-0.285	1.239	-0.335	-0.315
-0.4295	0.4325	-0.1275	0.0735	0.5735	0.3065
0.6385	1.0425	1.1335	-0.0525	1.1495	0.1175
-0.1245	1.4545	2.0675	0.8065	-0.2685	0.1205
-3.124	-3.039	-2.835	-0.088	-1.705	-2.248
-0.7955	0.2055	0.2465	0.1385	0.8005	-0.4705
-0.9925	-0.6515	-0.6295	-0.0025	0.0025	-0.0725
0.578	-0.036	0.094	0.674	0.499	0.5
-1.5095	-1.6385	-2.0185	-0.9245	-0.1495	-0.1895
0.4605	0.4765	1.5645	0.2705	0.8245	-0.0395
-0.976	0.077	0.011	-1.019	-0.604	-0.318
-0.5285	0.7305	1.3715	-0.3985	-0.2175	-0.3315
0.2115	0.3485	-0.0525	0.2245	0.2815	0.5765
0.5205	0.3395	0.6805	-0.1025	0.2285	0.4245
1.6485	0.0025	0.4915	0.8175	-0.3765	0.2215
-0.75	-1.163	-0.488	-0.164	-0.39	-0.077
-0.3125	0.4455	0.2585	0.4325	0.1055	0.2065
0.49	-0.382	-0.968	-0.26	0.284	1.201
-0.339	-0.82	-0.221	0.644	-0.6	0.161
-0.3885	0.3405	-0.0315	-0.3525	-0.2385	-0.2535
1.4055	2.9165	0.0085	-0.5905	0.9185	-0.5115
1.4635	1.6085	-0.3195	0.1165	1.1305	0.0255
0.3715	-0.1685	-0.5315	0.2795	-0.0685	0.0355
-0.251	0.095	-0.091	-0.373	-0.349	-0.324
-0.1685	0.5465	0.6915	0.4485	-0.6945	-1.3345
0.9365	0.0815	-0.9005	0.0895	0.1245	0.2215
1.3745	-0.4285	-1.1925	0.0225	-0.4685	-0.3505
0.889	-0.169	-0.301	-0.154	0.383	0.544
1.2355	0.3755	1.0825	1.2985	-0.6875	-0.3175
0.2275	-1.5305	-0.7275	0.3355	1.1045	-0.0945
0.145	-0.151	-0.371	-0.049	-0.166	0.038
0.039	-1.111	0.226	-0.778	0.193	0.001
0.206	0.189	-0.12	-0.019	0.123	-0.011
0.095	0.409	-0.062	0.087	1.177	0.258
1.0425	-0.6345	1.8345	1.3945	-0.6555	0.0005
0.1115	-0.8385	-0.4295	-0.4815	0.0465	-0.1255
1.512	-0.852	-0.778	-0.201	1.013	-0.509
0.214	-0.023	0.109	-0.074	0.265	-0.093
-0.428	0.473	0.118	-0.609	-0.113	-0.796
0.6765	0.2685	0.7745	0.2616	0.1095	-0.0585
0.7715	0.9945	0.3695	-0.8785	0.3825	0.5735
-0.0065	-0.1105	-0.3915	-0.6415	-0.2735	-0.2275
-0.0775	-0.5075	-0.2965	-0.2655	0.2705	-0.0045
-0.417	-0.242	0.056	-1.08	-0.281	-0.003
1.838	0.783	-0.801	0.837	0.071	-0.03
0.294	-0.177	0.213	0.112	-0.05	-0.063
-0.5905	-0.1615	-0.3665	-0.1935	0.2135	0.1105

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB328-LN LUMINAL	PB211 LUMINAL	BR01-024f LUMINAL	PB475 LUMINAL
-1.1615	-0.3295	-1.1565	-1.5775	-0.2465	-0.2075
1.2655	0.8595	2.2425	1.3415	-0.4165	0.0435
0.571	0.298	-0.758	0.349	-0.68	-0.755
0.3485	0.2655	0.6665	0.1905	0.1775	-0.1525
-1.1125	-0.0035	-1.4205	-0.0725	0.3285	-0.0125
-0.2075	0.4825	0.9085	0.2925	-0.0655	-0.2355
-1.825	-1.044	0.691	-0.688	-0.333	0.476
-1	-0.117	-2.265	1.153	-0.797	0.19
-0.5235	-0.2925	-0.4275	-0.8655	-0.7785	-0.0465
-0.389	2.508	-1.062	4.604	1.917	1.209
-0.631	-0.149	-0.24	-0.389	-0.455	-0.431
1.1635	1.4945	-1.1705	0.2585	-0.1795	1.3095
-0.3535	0.3725	0.0595	0.5275	0.2575	-0.0275
-0.373	-0.184	-0.075	-0.115	0.129	-0.165
-0.288	-0.574	-0.31	-0.321	-0.209	-0.151
-0.074	0.13	-0.891	-0.26	-0.304	-0.564
-1.0025	0.3035	0.7615	2.3855	-0.8275	0.7445
1.953	1.526	-1.273	-1.672	-0.323	-0.849
-2.1945	-1.3805	0.4165	0.0935	-1.4315	0.2235
-1.007	1.609	-0.715	0.092	0.043	-0.238
-0.4615	0.0435	-0.2755	0.3905	-0.0415	-0.1535
-0.1645	0.0985	-0.3375	0.3555	0.2045	-0.1465
-0.358	0.502	0.329	-0.272	0.084	0.31
-0.3165	0.0085	-0.3425	-0.3845	0.1255	-0.6995
0.768	-0.018	0.081	-0.063	-0.178	-0.4
-1.081	0.838	-0.032	0.881	0.003	0.619
0.332	0.905	1.769	0.572	0.332	0.475
0.6685	0.0565	0.3405	-0.2325	0.6445	0.0065
-0.3505	1.1165	0.5105	0.4985	0.1365	-0.2705
1.2605	-0.5055	0.8945	1.1225	0.3585	1.5175
-0.7755	0.7595	0.1575	0.3505	0.4785	-0.8655
-0.4985	0.8845	0.5675	0.3505	0.5985	0.1375
-0.495	0.379	0.278	-0.066	0.691	-0.304
-0.1925	0.5595	0.1735	0.1065	0.3585	0.0755
0.308	1.069	-0.85	0.672	0.205	-0.006
-0.3135	0.4505	0.7785	0.0425	-0.0445	-0.3305
0.774	1.998	0.827	-0.667	1.19	-0.417
0.2915	0.6075	0.2525	0.4335	0.1655	-0.5595
-0.481	0.157	0.854	1.17	0.458	-0.16
1.316	-0.288	0.322	-0.335	-0.64	-0.465
0.0005	-0.2775	0.4215	0.0085	-0.2955	-0.2165
0.419	0.718	-0.735	0.352	0.821	-0.834
0.129	0.346	0.187	1.826	0.162	0.315
1.2465	-1.3555	0.3735	-0.3755	0.3805	1.4265
1.0755	-1.1065	0.6065	0.4445	0.2485	1.5565
0.997	-1.146	0.623	0.475	0.35	1.344
1.0235	-1.1655	0.5755	0.4895	0.3225	1.0685
1.037	-1.215	0.683	0.468	0.343	1.235
-0.8025	0.2465	0.1955	0.1135	-0.0065	-0.6725
1.6225	0.2105	0.0565	-0.0775	0.2755	-0.4935
-0.6045	-0.1435	-0.2875	-0.5445	0.0345	-0.2255
-1.1615	0.0765	0.3175	-0.6655	0.4475	0.0475
0.3375	0.7695	0.6625	0.3275	0.0865	-0.2785
0.078	0.484	0.042	0.2	0.027	-0.055
0.1655	-0.8455	0.0265	-0.6125	-0.0415	0.2965
-0.238	-1.439	-0.269	-0.695	-0.097	0.48
1.7315	0.4635	2.6845	-2.4025	0.3595	0.3175
2.3815	0.0745	3.3795	-0.4215	-0.6165	0.3165
0.7105	0.1345	0.8405	-0.1585	-0.5285	-0.4715
1.1325	-0.3395	1.0355	-0.3315	0.7535	-0.1365
1.1295	0.0165	0.1035	-0.1215	0.1275	0.3875
-1.1214	0.283	-0.069	-0.097	0.481	0.519
-2.1635	-0.7605	0.7775	-0.2505	-0.0255	0.5845
-0.14	0.358	0.838	-0.077	0.056	-0.105
0.0965	-0.0055	0.4685	0.3095	-0.3265	-0.1985
-1.749	0.379	-1.419	1.798	-0.928	0.058
0.7145	0.1845	0.5435	-0.3675	-0.3795	-0.0415
0.6255	0.4565	-0.6655	0.4145	-0.4975	-0.5075
0.856	-0.141	-0.801	0.111	-0.153	-0.167
-0.435	-0.083	-0.677	-0.16	-0.4	-0.468
0.6625	-0.0835	0.7805	0.3355	-0.2405	-0.1795
-1.0715	-0.6525	-0.3205	0.6015	0.3665	-0.4665
0.122	-0.174	-0.64	-0.678	0.139	0.664
-0.0275	0.8285	0.7715	0.7415	0.2675	0.3625
0.617	-0.355	-0.543	-0.944	-0.058	0.495

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
0.328	0.184	-0.272	-0.292	0.108	0.012
-0.163	0.387	1.207	0.07	0.112	-0.439
1.6625	-0.1085	0.9045	-0.0135	-0.2875	0.0955
-0.3965	0.2935	0.4885	-0.3635	0.1725	-0.4405
-0.481	-0.281	-0.478	-0.592	0.016	-0.398
-0.079	-0.201	0.387	-0.272	-0.793	-0.292
-0.856	0.231	-0.405	-0.618	-0.144	0.414
-0.437	-0.168	0.058	0.319	0.341	-0.638
-1.19	-1.528	-1.82	0.455	-0.42	-0.423
0.627	0.777	1.391	-0.636	-0.418	0.164
-0.3005	0.0895	0.3195	-0.6985	-0.2905	0.0345
-0.268	0.016	1.403	-1.238	0.051	-0.485
2.0905	2.0745	0.9025	0.4355	0.4165	-0.3055
0.7205	1.0365	0.6945	-0.1435	-0.0995	-0.5625
0.5885	1.4675	0.3115	0.1525	0.2685	0.0265
-0.1755	-0.0535	-0.0585	0.2425	-0.2495	-0.0365
0.8495	-0.1495	0.8405	-0.1145	-0.4215	0.1615
-0.7145	0.3285	1.9505	0.8425	0.8175	0.3345
1.3905	1.5245	0.8545	0.2915	1.5225	-0.1755
1.7825	1.2185	0.8595	0.5495	2.0305	-0.2385
1.1715	0.8295	0.5065	2.4815	1.5705	0.5795
1.432	1.721	1.213	0.32	2.76	-1.029
1.031	1.219	0.373	0.306	1.053	-0.566
1.189	1.593	0.501	0.074	-0.16	-0.362
1.346	3.791	0.043	-0.202	1.718	-0.426
0.3075	-0.0005	0.3505	-0.2955	-0.0505	0.4345
-0.5115	0.1175	-0.3045	1.6895	0.6635	0.2115
0.495	1.014	1.008	0.535	0.171	-0.148
0.6075	-0.1235	-0.4075	1.0255	1.4325	0.2935
-0.0975	-0.2085	0.1085	0.0895	-0.2115	0.1825
-1.1225	-0.2895	-0.1825	0.3955	-0.5415	-0.6385
-0.07	0.332	0.043	0.798	0.32	0.282
-0.7415	-2.3995	0.2775	-0.1885	-1.4745	0.7385
-0.511	-0.993	-0.473	-0.284	0.311	0.653
0.4515	0.5705	-0.2095	-0.7575	1.8975	-0.2585
0.4955	-0.6805	-2.1335	1.1035	1.3395	0.3935
0.59	0.418	1.15	0.208	0.476	1.149
2.649	-0.511	2.469	-0.367	-0.361	0.702
0.948	1.679	0.679	0.268	1.556	0.436
1.5675	2.1955	0.9705	0.9855	1.9915	-0.7465
-0.7465	1.2885	-2.4645	-0.0025	-0.7715	-0.8835
0.767	0.981	0.579	0.234	0.838	-1.048
0.8715	0.8805	0.0535	0.5535	0.9995	0.0075
-0.733	-0.068	-0.799	0.289	-0.201	-0.533
0.505	0.979	0.295	-0.025	-1.04	-0.646
0.028	-0.387	-0.008	-0.613	0.552	-0.088
-0.173	0.678	-1.609	0.617	0.517	0.113
0.32	0.041	-0.536	-0.084	-0.147	-0.172
-0.003	0.126	-0.13	0.017	0.02	0.186
-0.5105	0.5395	-0.7875	1.0425	0.6535	-0.0585
0.002	0.122	0.27	-0.132	-0.304	-0.368
0.84	-0.837	0.087	-0.736	-0.115	-0.919
1.4	0.172	0.277	-0.398	-0.638	-0.582
0.2495	0.0085	-2.2245	0.0355	0.4355	-0.1405
0.2425	0.3195	0.3875	1.1065	0.0125	0.0765
0.854	0.314	1.437	1.096	-1.363	1.477
0.656	-0.268	-0.248	0.33	0.055	-0.118
0.275	0.95	1.748	0.909	-0.19	0.776
-1.08	-0.257	-0.521	-1.246	-0.52	-0.357
-0.4245	1.3605	0.2945	0.1365	0.1695	0.6725
0.0585	0.0735	-0.2225	-0.2385	-0.5525	-0.4245
-0.2625	-0.1315	0.8015	-0.0035	0.1725	0.7435
0.8875	0.0695	0.9845	1.1045	-0.1225	0.1745
0.164	1.28	0.438	-0.001	0.768	-0.062
-0.3515	-0.1845	0.3655	-0.5835	0.1045	-0.0455
-0.418	-1.026	-0.17	-0.155	-0.196	-0.803
0.5475	0.5335	0.5135	0.4415	0.1605	0.1435
1.9975	0.6755	1.5425	0.8905	-0.5555	-0.3275
0.3665	0.7605	-1.4925	0.9045	0.0085	-0.9455
-1.306	0.032	-0.484	-0.146	-0.768	-0.324
2.0635	0.8395	1.1345	1.4735	0.3045	0.2015
-0.1115	0.3285	0.5645	-0.2715	-0.4885	-0.4535
0.51	0.409	-0.181	-0.161	0.208	0.136
1.47	1.285	1.031	0.931	0.259	1
-0.4835	2.1585	0.3875	1.7775	0.1525	0.2355

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB328-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
0.4645	-0.1705	-0.1945	0.1995	0.1205	-0.0315
0.0065	0.0195	0.2455	-0.1475	0.3165	0.0745
-1.7465	-1.2275	-1.3405	0.8975	-0.2155	-0.1375
-0.4965	-0.6845	-0.7745	0.5805	-0.3805	-0.6965
-1.6505	-1.4655	-1.6575	-0.0085	-0.1015	-0.4725
-0.755	-1.079	-0.369	1.204	-0.283	-0.728
-1.304	-1.079	-1.002	0.102	0.006	-0.464
-0.312	0.504	1.001	-0.056	0.308	-0.015
-0.8175	0.3945	0.8045	0.1505	0.2525	-0.7905
-0.078	0.54	-0.14	-0.092	0.61	1.13
0.1655	0.2395	-0.0825	0.6005	-0.3915	0.3965
-0.7375	-0.2505	-1.1965	3.2055	-0.0405	-0.3915
-0.9525	1.3345	-2.6845	3.0415	-0.3965	-0.3445
-2.069	-1.578	-1.801	0.968	0.34	-0.869
0.135	0.61	-0.141	1.135	0.68	0.023
-0.3105	-2.6585	-1.2585	-0.4965	-1.6785	0.3515
-2.467	-2.083	-2.223	0.349	-0.534	-1.526
2.3095	0.0305	-0.0685	-0.1665	0.0365	-0.3205
-0.066	-0.051	0.015	0.025	-0.18	0.184
-0.1125	-0.1975	0.0015	1.8825	-0.0245	0.0485
0.8145	-2.4055	-2.8075	0.4845	-0.2955	-0.0955
0.439	-0.151	-0.003	-0.19	0.431	0.318
0.934	1.64	0.591	0.287	0.339	-0.198
-0.0545	-0.3615	0.8975	0.3585	0.1485	0.1985
-2.1225	-0.7455	0.5765	-1.3575	-1.2825	1.4375
-0.5465	-1.3455	0.2545	-1.1305	-0.3175	-0.3245
-0.7655	0.7035	0.1635	0.4985	-0.4435	-0.5495
-0.226	0.004	0.101	0.255	-0.211	0.21
-0.357	0.439	-0.87	1.798	0.467	0.267
1.4035	0.2365	2.1695	0.2775	2.2065	0.4315
-0.259	-0.392	0.088	0.094	-0.012	0.083
0.461	0.388	-0.481	0.522	-0.371	-0.483
-0.566	1.291	0.966	-0.305	0.466	-0.52
0.4735	0.3335	-0.3235	0.3525	-0.0345	0.1715
1.068	0.694	0.4	0.395	0.005	-0.447
-0.008	0.112	0.706	0.084	0.264	0.361
-0.2465	-0.1775	0.0345	-0.3025	-0.2615	-0.3145
-0.1135	0.7285	0.0745	-1.1445	0.0285	0.2975
1.3305	0.1475	1.1845	0.7915	0.6635	0.6375
-0.0875	-0.1495	-0.0585	-0.2575	0.1435	-0.1895
-0.2475	0.3555	-1.0405	0.5205	-0.2085	0.5295
0.634	0.067	0.178	0.971	0.333	0.283
0.796	0.148	-0.338	0.448	-0.392	-0.445
3.6735	-0.7785	-0.1675	-0.4765	-0.3805	0.0685
0.215	0.512	-0.242	-0.278	-0.029	0.008
0.445	0.109	-0.408	-0.007	0.158	-0.557
-1.3215	-0.2805	-1.4155	0.4125	-0.5795	0.0875
1.612	1.034	0	1.98	-0.061	0.699
0.149	0.077	-0.535	-0.052	0.01	-0.412
-1.202	0.017	-0.595	0.122	0.046	0.118
-0.782	0.022	0.113	0.331	-0.018	-0.818
0.9925	-0.1305	-0.6605	0.7925	1.3315	-0.3485
0.1835	-0.3595	0.3075	1.2565	0.1655	-0.3025
-0.0555	1.0815	-0.1135	0.0755	0.3765	0.2835
1.447	0.582	1.165	0.043	0.064	-0.016
0.7195	0.2625	0.2725	-0.0765	0.2915	-0.4655
0.439	0.817	-0.1	0.24	-0.242	0.255
-0.223	0.658	2.161	0.19	-1.194	-1.523
0.2465	1.0245	0.0535	0.5945	0.2345	0.0015
-0.3505	0.9725	0.3825	0.7555	0.0985	0.1255
0.0465	0.2015	-0.4705	-0.2925	-0.6555	0.1095
-0.9385	-0.2725	-0.2195	0.2705	-0.9035	-0.8225
-1.282	0.713	-1.02	-0.559	-0.339	1.354
0.38	0.239	1.706	0.356	0.603	0.292
1.1065	0.4095	-0.2795	0.4135	-0.2805	0.0775
1.3985	0.6305	1.3255	0.1715	0.3795	-0.0755
2.6605	0.4425	2.7115	1.3365	2.3815	0.2335
-0.28	-0.175	0.101	-0.023	-0.277	-0.122
0.932	-0.504	1.163	-0.612	-0.328	-0.8
-0.215	0.805	0.855	0.429	-0.505	-0.585
0.512	0.053	-0.009	0.295	0.036	-0.005
-0.083	-0.195	-0.189	-0.347	0.344	0.188
-0.5605	0.0775	0.0635	0.0565	0.4065	0.1735
-0.238	0.027	0.32	-0.03	0.334	0.165
-0.7395	-0.1765	0.0105	0.2295	0.4595	0.6255

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
-1.2175	-0.4535	-1.4805	0.8415	-0.1105	0.0075
-0.575	-1.182	-0.3	1.453	0.5	-1.305
-0.3075	0.9855	-0.3645	0.3305	0.0025	0.4845
0.4345	-0.7455	-1.0935	0.6235	-0.3665	-0.8895
0.444	0.013	0.675	-0.182	-0.224	-0.223
-1.038	0.231	1.745	-0.922	-0.618	-0.815
-0.7815	-0.9585	0.2205	-0.3505	-0.7215	-0.9485
1.0105	1.0845	2.8895	-0.6035	0.9305	0.0865
1.024	-1.68	-0.281	-1.037	-0.504	0.267
-0.684	0.632	0.559	0.362	0.279	-0.077
-0.5355	0.9525	0.4675	0.3585	0.0795	-0.1495
2.5715	-1.5155	-1.2515	-0.6905	-0.7945	1.4705
1.037	0.098	-0.869	0.011	1.354	0.711
-1.3665	-0.2385	-1.7255	-1.6145	-0.6875	0.6715
-0.5485	-0.6855	-0.4135	-0.1095	0.0355	0.0345
-1.046	-0.113	-0.47	-0.231	0.134	0.264
0.0115	0.1225	0.2435	0.1695	0.4355	0.6405
0.72	0.046	0.973	0.101	0.668	-0.075
0.3515	0.1515	-0.4445	1.8925	-0.4825	-0.1975
-0.5555	0.5985	-0.0085	1.3265	-0.0585	-0.6075
-0.337	0.443	-0.094	-0.314	-0.146	1.074
-0.352	-0.029	-0.108	0.129	0.331	0.142
0.417	-0.149	0.188	0.423	-0.043	0.085
0.478	-0.393	0.46	-0.103	-0.207	0.061
0.7805	0.0955	0.3205	-0.4565	0.1725	-0.1195
0.306	0.041	0.536	0.624	0.102	-0.009
-0.046	0.68	0.179	1.451	-0.082	-0.646
0.2665	-0.3285	-0.1635	-0.3555	-0.1425	0.0955
-0.288	0.503	0.343	0.448	-0.165	-0.568
-0.748	0.445	-0.588	-0.472	-0.49	-0.145
1.37	0.332	0.772	0.688	0.134	-0.237
1.471	0.858	0.497	-0.04	0.672	0.823
1.093	1.602	0.824	-0.098	2.021	-0.379
1.307	1.776	0.404	-0.155	1.375	-0.659
1.3375	1.8415	0.2385	-0.2145	1.5195	-0.6045
2.1475	0.9285	0.1125	0.0125	1.8915	-0.4685
1.092	2.088	0.053	0.262	1.645	-0.536
1.2145	-0.5285	-0.1745	0.3275	-0.1725	-0.3845
-0.948	1.383	-0.343	0.433	0.623	-0.342
-0.384	0.939	0.039	-0.188	0.68	0.13
-0.293	-0.529	-0.159	0.504	-0.264	-0.454
-0.6185	0.2065	-0.1195	0.2305	-0.3655	-0.5385
-0.0265	1.1695	-0.3425	0.0545	0.2265	0.3755
-0.594	-0.307	-0.901	1.003	-0.229	-0.666
-0.624	-0.049	-0.314	0.295	-0.391	-0.668
0.0515	0.5665	0.2195	0.6625	0.6965	0.1405
-0.122	-0.584	-0.256	-0.856	0.334	0.255
-2.1875	-1.6285	-1.8855	0.6545	-0.6065	-0.9225
-0.872	-0.519	-0.573	0.181	-0.691	-0.765
-0.7175	-0.3235	-0.8055	0.3725	-0.0105	-0.6445
-1.1495	-0.6915	-0.7975	0.6245	-0.4485	-0.4735
-0.133	2.059	0.487	0.692	0.112	-0.01
1.2745	-0.1385	0.5455	-0.3315	0.1695	-0.3845
-1.5975	-0.4055	-1.1685	-1.0115	-0.8375	0.9615
0.082	-0.576	-3.774	-2.061	-2.506	-1.01
1.247	0.754	-0.138	0.649	0.068	-0.074
0.0315	-0.0205	0.0645	-0.2035	-0.0865	-0.0405
0.2835	-0.3295	-0.2125	0.4695	-0.5555	-0.2435
-0.395	0.406	0.299	0.48	0.292	-0.341
0.5485	0.0845	0.6325	-0.0725	0.0745	-0.5055
-0.1905	0.5415	0.0725	0.4605	-0.3445	-0.1215
-0.659	-0.141	-0.612	0.885	-1.061	-0.838
0.2725	0.0125	-0.2845	0.0075	-0.1935	-0.4295
0.114	-0.193	0.356	0.11	0.153	-0.097
0.6215	-0.2295	0.5705	0.0545	-0.2305	0.2125
0.2695	0.2705	0.5925	0.4125	-0.3445	-0.0365
0.385	0.04	0.333	-0.323	-0.225	-0.285
0.036	0.124	0.683	-0.309	-0.541	0.048
-0.547	0.086	0.204	-0.282	-0.759	-0.245
0.0455	0.2125	-0.0075	-0.0775	0.1925	-0.1035
-0.669	-0.119	-0.405	0.244	-0.429	-0.048
3.103	0.257	1.838	1.844	0.666	0.287
0.1125	0.9155	0.7385	0.8185	-0.2555	0.0035
0.6945	0.1695	0.0195	0.6505	1.0515	0.0825
0.854	-1.258	-0.676	0.374	-0.408	0.377

Table 16.

BC00016	BC00034	PB326-LN	PB211	BR01-024(	PB475
LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL	LUMINAL
0.317	0.194	-1.05	0.385	0.75	0.114
0.706	0.803	0.286	0.887	0.221	0.312
1.5075	1.1005	0.3425	-0.1045	-0.0705	-0.2765
0.085	0.059	0.077	0.103	-0.009	-0.121
-0.157	0.188	-0.126	0.177	0.008	0.069
0.7735	-1.3385	-0.2355	-0.2975	-1.1485	-0.1095
1.2425	0.2475	0.6245	0.9585	-0.1005	1.0385
1.3285	-0.2965	-0.8205	-0.2335	-0.4115	-0.2595
0.359	-0.559	-0.938	-0.156	0.836	0.066
-0.789	-1.776	-1.593	-0.373	-0.516	-0.151
0.124	2.076	0.973	2.491	1.167	0.164
-0.301	-1.25	0.568	0.266	-0.052	-0.383
-0.876	0.164	0.76	0.147	-0.059	-0.205
0.947	-0.099	-0.49	0.32	-0.819	-0.163
0.127	0.765	1.14	-0.028	-0.416	-0.417
0.5145	-0.3065	-0.1005	-0.2345	0.2765	-0.2595
-1.9485	0.7415	-0.2885	-1.6445	-1.5495	0.6795
-0.1255	-0.1055	-0.0325	-0.1105	0.2555	-0.1915
2.1255	0.9235	1.3985	0.9745	-0.0015	0.1645
-1.1525	0.2575	-0.3085	-0.2765	0.2385	-0.6685
1.665	2.968	2.333	2.497	0.541	1.304
-1.555	-1.333	-1.238	0.718	-0.349	-0.234
0.1855	0.4765	0.4555	0.2155	0.6655	-0.3685
0.45	0.912	1.591	0.744	-0.973	-0.4
0.8325	-1.1145	-0.8735	-0.0065	0.1695	-0.1795
0.391	0.23	0.24	0.582	-0.227	-0.533
0.949	0.397	0.006	-0.471	0.088	-0.051
-0.0285	-0.0165	-0.0745	-0.2465	-0.2355	-0.1615
0.979	0.044	0.717	-0.202	0.151	-0.28
0.398	0.075	0.977	0.298	-0.494	-0.289
0.8885	0.2405	0.5875	0.3555	-0.4045	0.6685
0.5655	0.6145	0.0385	-0.1105	0.2975	0.2705
-0.4195	-0.1585	0.0765	-0.2715	-0.3535	-0.3135
0.2585	0.7155	1.0235	-0.2005	0.6015	-0.1095
0.048	-0.167	-0.19	-0.181	0.2	-0.097
0.794	2.91	1.412	2.419	2.506	2.471
-1.5385	-0.4315	0.3505	1.2455	-0.3245	0.3085
0.3435	-0.0925	1.8145	-0.2655	-0.1395	-0.5215
1.651	0.38	0.266	1.077	-0.339	0.802
-0.5545	-1.0635	0.3035	-0.5015	-0.5205	-0.5005
0.162	-0.125	0.182	-0.576	0.48	0.329
0.4415	-0.0245	0.9005	0.3935	-0.4225	0.0025
-0.1625	-0.1535	-0.1765	-0.2295	-0.1455	0.0335
-0.5525	-0.0955	-0.1815	-0.4995	-0.3925	-0.4825
-0.5005	-0.3255	0.1035	-0.5325	-0.7825	-0.7565
0.13	0.194	0.073	0.075	0.584	-0.129
1.6355	1.7575	3.0545	1.3805	0.9465	-1.3225
1.2575	0.3585	1.8705	0.2205	0.0915	0.0205
-0.558	0.213	-0.219	-0.722	-0.137	0.218
-0.2055	0.1205	0.0035	0.5965	-0.0595	-0.2655
1.5635	1.8685	0.6585	0.0825	1.6385	-0.2025
0.0025	-0.0735	0.1285	-0.6765	-0.4315	-0.3975
0.2675	-0.0415	0.1665	0.4105	0.2895	0.2575
0.58	0.509	0.235	0.11	0.893	-0.372
0.877	1.114	0.816	0.758	-0.283	-1.261
2.674	0.921	1.546	0.787	0.703	0.013
1.0575	-0.2455	2.0655	-0.2415	1.2855	-0.2735
0.222	-0.254	-1.005	-0.571	-0.333	-0.611
1.1005	-1.2535	1.9095	0.3845	-0.4635	1.9685
0.604	0.365	0.734	0.418	-0.191	-0.408
-0.6595	-0.4125	-0.7095	-0.1495	0.3575	0.6925
0.8945	0.8185	0.4335	0.5725	0.9565	-0.7175
-0.1015	-0.0035	0.1715	-0.0205	0.4785	0.1785
-0.0765	-0.1745	0.0445	-0.0275	-0.0365	-0.0195
0.628	0.974	0.289	2.557	1.54	0.336
-0.47	0.476	-0.209	0.196	0.588	0.159
0.38	0.549	0.11	1.16	0.213	0.121
1.1935	1.1925	-0.5775	1.5765	1.2035	0.3225
-0.929	1.541	-0.335	1.204	-0.481	-1.063
0.326	-0.442	-0.225	0.208	-0.04	-0.753
0.1005	0.4365	-0.3745	-0.4175	0.2495	0.4825
-0.3305	-0.5435	0.2585	0.3415	0.4465	1.3165
0.127	-0.04	-0.047	-0.134	0.035	-0.219
-1.1305	-0.5135	-0.3635	-0.1195	-0.5995	0.3265
2.817	3.787	3.177	3.668	2.288	2.894

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
1.031	-1.08	0.911	0.811	0.331	1.489
-0.4355	-0.4875	0.0525	-0.3245	-0.6405	-0.5285
0.438	-0.712	0	0.239	-0.509	-0.068
1.1585	-1.1345	0.7715	0.7645	-0.1925	1.4695
-0.664	-0.417	-0.347	-0.099	0.544	0.211
0.655	0.779	0.334	0.423	-0.199	-0.071
1.1035	2.4605	0.5045	0.2615	1.4545	-0.6115
0.8435	-1.3415	0.0605	-0.0095	-0.1145	1.4145
0.8615	-0.1075	1.2295	0.5705	0.6555	1.9515
1.4585	-0.5635	0.9735	1.0845	0.2075	1.5525
2.1615	0.1725	-1.6915	-1.3255	-0.4825	0.5875
0.689	-1.204	0.42	-0.132	-0.014	1.06
1.2365	-1.8025	0.8975	1.7755	0.6915	0.7705
-0.5015	0.3365	-0.0535	-0.4125	0.1605	-0.1035
1.8195	-1.2015	0.4615	-0.5825	0.7735	1.3065
-1.0715	-1.0035	-0.6675	0.0325	-0.7015	0.3105
-0.468	0.867	0.877	0.845	-0.625	0.227
0.145	-0.037	0.123	-0.07	-0.208	-0.464
0.994	2.109	0.25	0.187	0.832	-0.317
1.1385	-1.0995	0.7375	0.7135	0.2695	1.4125
0.9825	-0.2435	0.1305	0.7785	-0.7125	-0.3455
-0.318	-0.187	-0.061	-0.375	0.352	-0.113
-0.2985	0.1155	0.1115	-0.0615	0.0125	-0.0695
0.7555	-0.9285	0.5355	-0.5315	-0.0275	0.3055
-0.6225	-0.7055	-0.8775	-1.4615	0.2635	-0.1595
1.3755	-0.2995	0.4185	-0.1575	0.5175	0.3275
0.032	-0.083	0.277	-0.537	0.084	0.028
1.021	0.422	-0.627	0.585	0.228	-0.039
0.9525	0.9855	1.0085	0.6025	-0.2095	-0.6995
0.6855	0.0965	0.3795	-0.3845	0.5745	-0.7335
0.7725	0.7585	0.6215	1.1955	0.6875	1.2015
-0.6375	-0.5415	0.2695	-0.4285	0.0365	-0.0085
1.586	1.624	-2.548	-1.693	-1.699	-0.504
2.06	-0.563	-0.785	-0.01	-0.522	0.233
0.2315	0.0745	0.0685	-0.0905	-0.0925	-0.2025
0.935	0.968	-0.224	-0.599	0.118	0.383
-0.688	0.293	0.083	0.076	0.3	-0.592
-0.7595	0.2605	-0.1165	1.9995	1.8435	-0.1685
0.102	-0.1	0.13	-0.111	0.045	-0.245
1.248	-0.012	1.368	0.759	0.35	2.166
1.6645	1.1925	0.7205	-0.7765	0.2065	-0.5415
0.96	0.446	1.572	0.165	1.38	0.45
-0.7525	0.6015	-0.4395	-0.1375	0.5575	-0.6305
-0.4895	-0.3085	-0.0185	0.0125	-0.1675	0.0345
1.024	-1.178	0.545	0.471	0.328	1.418
0.3725	-0.0955	0.3735	0.3405	0.0835	0.1325
0.419	0.364	-0.636	0.883	0.349	0.076
-0.484	0.03	-0.474	-0.251	-0.341	-0.543
-0.2445	0.1445	-0.4205	0.1365	0.2215	0.1655
0.81	-0.612	0.597	-0.114	0.46	-0.148
0.202	0.312	0.624	0.454	-0.162	0.438
-0.011	0.445	-0.665	0.482	-0.195	1.172
0.039	0.906	1.4	0.452	-1.146	0.617
1.4465	-0.5935	0.7395	0.3205	0.9755	-0.3325
0.4735	0.1365	0.3625	0.2765	-0.1865	0.1315
-0.2755	1.0095	0.0295	0.3075	0.2265	0.3355
-0.134	0.179	-0.454	0.444	-0.282	-0.376
0.027	-0.054	0.938	0.045	0.323	0.206
0.4945	-0.1085	-0.2865	-0.2725	-0.8225	-0.9315
-0.5865	-2.4045	-0.3995	-0.6945	-0.6195	0.1325
-0.539	-0.047	-0.146	0.062	-0.103	0.109
-0.3855	0.1985	-0.0655	-1.2595	0.7735	-0.1675
-1.618	0.291	1.268	0.439	0.685	1.927
0.659	-0.335	0.501	0.066	0.132	0.242
0.7075	0.8445	-0.0265	0.1605	0.5625	-0.5405
1.312	0.419	-0.339	-0.942	-0.041	0.123
1.1815	1.7375	1.3405	0.7345	1.8535	-0.5555
-0.107	-0.99	-0.637	-0.344	-0.35	-0.279
-0.002	0.178	0.283	-0.195	-0.289	-0.034
1.0335	-0.8305	0.2685	-1.5585	-1.2125	-0.1435
0.149	0.591	-0.076	-0.392	-0.22	-0.123
0.573	-0.469	0.477	0.412	0.091	-0.253
1.137	1.382	1.402	-0.012	0.053	-0.001
0.037	3.007	-0.049	0.634	0.541	-0.004
0.9625	-0.4835	0.9095	-0.8985	-0.3575	0.1485

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024f LUMINAL	FB475 LUMINAL
-0.2375	-0.5845	-0.3995	-0.3495	0.6425	0.1715
-1.1575	-0.6375	0.3795	-0.2515	0.3315	0.4335
0.384	-0.971	-1.274	0.815	1.842	0.545
1.033	2.108	0.615	1.028	0.154	0.754
0.1675	0.9045	1.3955	0.2885	-0.1595	-0.2405
0.6405	0.5845	1.6285	-0.0635	1.1635	-0.1195
-0.032	-0.309	0.616	0.221	-0.193	0.241
1.0205	0.4495	-0.8535	0.5105	1.5395	0.3715
0.169	-0.074	0.205	0.154	-0.804	-0.203
0.7165	0.2705	0.6195	0.4675	-0.1575	-0.3005
-0.1715	-0.1995	0.8365	-0.2745	0.9785	-0.0605
0.0295	-0.1025	0.3845	0.2385	-0.2415	-0.1685
0.1595	0.4045	1.5735	0.4615	0.0235	-0.0415
-1.941	-1.581	2.042	-1.421	2.345	-0.551
0.1855	-0.0545	0.1365	0.0055	-1.0315	-0.0055
0.5355	0.2265	0.0795	0.8495	-0.6025	-1.3825
0.428	0.624	-0.071	-0.32	-0.008	-0.594
-0.1225	0.6395	-0.1425	0.1595	0.2375	0.2575
0.631	-0.382	-0.097	0.03	-0.294	0.019
-0.4925	-1.0745	0.3385	-0.7185	-0.9605	1.2605
-0.273	0.505	-0.132	0.518	0.297	0.114
0.4785	0.3735	0.3325	0.6185	-0.0555	0.2025
0.4815	1.4405	1.0175	0.0095	-0.8315	-0.4525
-0.387	0.356	-0.528	-0.305	-0.539	-0.703
0.6395	0.4905	0.7205	-0.3835	-0.5005	-1.3985
0.5705	0.1935	0.6265	0.3945	0.2245	0.3105
0.7685	1.3625	0.5465	0.1885	0.6445	-0.4915
-0.142	0.225	-0.313	-0.485	0.088	-0.506
-0.6935	0.2525	0.2675	-0.6555	0.5225	-0.3105
1.533	2.655	1.804	4.093	1.117	-0.016
-0.4085	0.0775	0.7275	0.0015	-0.1885	-0.2175
-0.171	0.702	-0.298	-0.303	-0.06	0.547
2.374	-0.659	2.8	1.105	1.214	0.313
1.0365	-0.8905	-0.0045	-0.0285	0.4005	0.3995
-0.334	0.745	0.19	0.04	0.053	-0.077
0.3665	1.2745	-0.4655	1.0555	0.0945	0.1935
-1.328	-0.275	-0.744	-0.796	-0.241	0.255
-0.2135	-0.3235	-0.0445	-0.0435	-0.2325	0.1665
0.9735	-0.0595	0.7335	0.0555	-0.3165	0.0125
-0.4745	-0.2395	-0.1965	-0.3685	0.4765	-0.0385
-0.0455	0.3245	-0.1655	0.3425	0.5035	-0.4215
-0.5385	-0.1775	-0.4745	-0.6955	-0.4395	-0.3175
-0.242	0.163	-0.381	0.282	-0.008	-0.1
0.0705	-0.2985	0.4905	-0.5165	-0.3055	-0.7405
0.5515	0.1005	0.4505	0.1665	0.1235	-0.0175
0.134	-0.151	0.318	0.199	-0.517	-0.435
-0.178	-0.138	-0.364	-1.005	-0.688	0.094
-0.48	0.091	-0.679	-0.227	-0.68	0.203
-0.0905	0.0635	0.0685	0.3585	-0.4195	-0.2935
-0.016	-0.282	-0.003	-0.155	-0.159	-0.357
0.2345	0.2165	0.0055	0.6465	0.3695	0.2415
0.7165	0.0015	0.4725	0.5365	-0.0845	-0.3915
0.3585	-0.1255	0.3605	-0.1285	-0.2825	-0.4715
-0.3285	0.4055	0.4845	-0.1495	0.3995	0.0035
-0.1225	1.0575	-1.4785	0.2575	0.7015	0.4605
1.028	2.523	3.429	0.02	2.606	0.33
-0.377	0.528	-0.157	0.158	0.758	0.214
0.967	-0.218	0.703	0.716	0.149	0.394
-0.6395	-0.5965	-0.5265	-0.0455	-0.4755	0.1165
-0.43	0.06	1.108	-0.357	-0.034	-0.315
-0.3175	0.0655	0.0735	0.4565	-0.0015	0.0485
1.11	-0.163	0.655	0.043	0.048	0.621
1.8485	0.0285	2.7165	1.2665	1.6255	0.0045
-0.519	-0.114	0.413	-0.051	-0.514	-0.502
0.06	-0.083	0.026	-0.548	0.067	0.135
0.328	-0.237	-0.297	-0.492	0.585	-0.285
0.1935	-0.7965	0.5365	-0.3045	0.3935	-0.5425
-0.8825	-1.1975	-0.5175	-0.3035	-1.0735	-0.8435
0.331	0.558	0.163	0.188	-0.059	-0.245
0.3445	-0.2735	0.1955	0.0605	-0.2835	-0.3525
-1.0425	0.2035	-0.2245	-0.4535	-0.0385	-0.7255
-0.1435	-0.3425	-0.1035	0.3105	0.3685	0.1785
0.4075	0.1285	1.2155	1.2975	-1.1165	-1.5335
0.4735	1.1295	1.9725	1.1515	1.1945	2.0845
0.9575	0.1745	0.4485	0.0835	0.3195	-0.1265

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-0241 LUMINAL	PB475 LUMINAL
-0.3555	-0.1275	0.3185	-0.3845	0.1915	-0.4585
-0.169	0.524	-0.053	0.618	1.048	-0.097
0.371	0.239	0.044	0.485	-0.388	0.124
-0.4355	-0.0685	0.1715	-0.3905	-0.0115	-0.6655
-0.382	0.208	0.677	-0.399	-0.053	-0.167
-0.6605	-0.1495	-0.5635	0.5075	-0.5715	-0.3905
1.7075	2.2915	0.3115	-1.4495	-1.3945	-0.0695
0.4055	0.8145	-0.5155	-0.4155	-0.2895	-0.2555
-0.223	0.051	-0.339	-0.042	-0.62	0.417
-0.399	-0.198	-0.68	-0.247	0.625	-0.21
1.31	-0.678	-0.056	0.022	0.481	0.032
0.0015	0.1765	0.2715	0.5265	-0.2925	-0.4655
0.685	0.691	0.773	-0.032	1.005	0.186
0.365	-0.051	0.248	-0.559	-0.763	-0.166
2.478	-0.294	1.153	2.288	-0.147	-0.208
-0.621	-0.289	-0.491	1.389	1.098	0.188
-0.2385	0.4725	0.2745	-0.1715	-0.2225	-0.2695
-0.3055	0.3665	0.9535	-0.1615	0.5035	-0.1635
1.169	0.784	1.071	0.55	-0.282	-0.21
-0.5405	0.8105	1.5745	0.1195	-0.5035	0.2005
1.3665	1.1575	1.1185	0.5085	1.0785	0.9115
-0.8965	-0.1165	0.5375	0.6385	0.5745	0.0695
-0.498	0.021	0.212	-0.2	1.308	0.207
0.178	0.214	-0.702	-0.641	-0.372	0.01
0.8495	0.7045	-0.2675	1.7345	1.0235	0.0315
1.228	-0.051	-0.616	1.019	-1.381	-0.45
0.8315	0.7235	0.2385	0.5045	0.1385	-0.9195
0.101	-0.315	-0.435	-0.042	0.571	0.089
1.163	-0.073	1.83	0.382	0.604	0.27
1.193	-0.143	0.059	-0.029	0.325	0.304
-1.369	-0.18	-2.11	0.233	-0.264	-0.338
0.4725	0.3655	0.0635	0.2055	0.2115	0.0235
-0.069	-0.016	0.172	-0.357	0.765	0.204
-0.175	0.001	-0.196	-0.29	0.202	-0.259
0.7405	0.8055	1.5295	0.1635	0.3655	0.1005
-0.491	2.289	-0.692	0.814	2.693	-0.585
1.189	0.002	0.278	0.065	0.725	0.045
0.219	0.545	1.2	-0.077	0.049	0.09
0.3985	0.7025	0.2205	0.3365	0.2245	-0.1185
-0.3515	0.0855	0.9385	0.6125	0.0245	-0.1665
0.169	0.949	1.109	0.389	-0.02	-0.038
-0.169	-0.033	-0.206	0.274	-0.115	-0.214
-0.1775	0.7555	0.8145	0.0575	-0.0275	-0.1535
0.121	-0.034	1.224	0.444	0.091	-0.589
-0.6765	0.8125	0.3845	-0.5225	0.3075	-0.5205
0.8505	-0.8505	-0.1425	-1.4045	-1.1805	-1.6935
0.1425	1.2455	0.4985	-0.1385	0.4205	0.1285
-0.152	-0.168	-0.297	1.848	0.455	0.029
0.2085	0.4575	0.5545	0.5825	0.6535	0.5725
-0.1985	0.4675	0.6645	-0.3765	-0.3155	-0.1665
1.825	-0.795	-0.627	-0.029	-0.414	-0.282
-0.135	0.045	0.338	-0.117	0.194	0.24
-0.023	0.431	0.843	0.494	-0.131	0.317
-0.149	-0.035	-0.044	0.038	0.108	0.012
1.715	-0.1965	0.7625	-0.3365	0.0945	-0.2695
0.503	0.557	-0.246	0.18	0.833	0.223
0.541	1.971	0.957	0.385	0.142	0.353
0.621	1.051	0.792	0.737	-0.116	-0.253
-0.1985	0.3265	0.9315	0.2795	-0.5025	-0.1015
0.2665	-0.2485	1.3335	0.5555	0.3465	-0.2815
1.0215	0.0225	0.8705	0.0045	-0.0105	-0.3845
-0.2505	2.6305	1.4695	-0.0075	0.0745	-0.2165
-0.265	0.449	-0.342	0.382	0.38	0.324
-0.098	0.251	0.127	-0.102	0.188	0.464
-0.392	-0.069	0.086	-0.494	-0.638	-0.553
-0.008	0.258	0.074	0.061	0.193	0.139
0.184	-0.012	-0.065	0.284	-1.159	-0.307
-0.3785	0.3915	0.2435	0.3855	0.4005	0.3785
-0.0145	-0.7395	-0.2635	0.4965	0.5705	0.4085
0.488	0.431	1.591	0.366	0.138	0.767
-0.6275	-0.6055	-1.2395	-0.0975	1.2235	0.7345
-0.4575	-0.2915	-0.0945	-0.3345	-0.0715	-0.2095
-1.016	-0.92	-0.807	-0.221	0.113	-0.068
0.035	-0.376	-0.253	-0.098	0.082	-0.383
-0.884	-0.464	0.05	0.496	-0.124	-0.35

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
-0.0515	-0.4685	-0.0315	0.0775	-0.1925	-0.4385
-0.381	0.023	-0.129	0.828	-0.554	-0.624
-0.151	-0.068	0.047	-0.782	-0.027	-0.049
-0.596	0.245	-0.049	0.22	-0.68	-0.989
-0.3805	0.2305	0.0765	0.2105	-0.6085	-0.8245
-0.928	-0.374	-0.184	0.379	-0.168	-0.424
-0.8855	-0.6425	-0.0285	-0.3035	0.0515	-0.1155
-0.5135	-0.7655	-0.4115	-0.6915	-0.1135	-0.7045
0.2645	-0.0515	-0.0845	-0.1675	0.1115	0.0955
0.3225	-0.2825	0.3195	0.0405	-0.0545	-0.4485
-0.2945	0.0945	0.0075	0.2045	1.1045	0.7245
-0.1555	-0.1025	-0.1415	0.2415	-0.0315	-0.0305
-0.1185	-0.3075	-0.5255	-0.8905	-0.1055	-0.3445
-0.731	0.85	0.467	0.628	-0.091	-0.148
-0.681	1.329	2.386	0.515	-0.206	0.105
0.159	-0.128	-0.159	0.172	0.047	0.048
-0.764	-1.524	-0.507	-0.463	-0.439	-0.349
-0.6955	-0.4985	-0.0255	-0.1005	-0.3835	-0.2825
0.5295	-0.0335	0.6045	0.1635	-0.2385	-0.7435
1.068	-0.107	0.167	0.53	-0.62	0.142
0.007	-0.091	-0.69	0.791	-0.082	0.165
-0.436	-0.435	-0.657	-0.094	-1.019	0.663
0.9345	-0.6905	-1.3435	-1.7115	-0.7855	-1.2725
-0.2205	0.7505	0.7035	0.1015	0.3095	0.3135
1.255	-0.39	-0.878	-0.134	0.478	0.258
0.6445	0.2715	1.0545	-0.4955	-0.3535	0.4915
1.547	0.814	1.382	0.427	-0.466	0.317
-0.2545	-0.0695	0.0925	0.4235	0.0135	0.1795
-0.549	-0.172	-0.085	1.218	0.018	-0.251
0.027	-1.088	1.103	0.814	-0.617	0.215
0.0125	-0.4065	0.3895	0.1645	-0.6205	-0.6155
-0.53	-0.322	-0.935	-0.099	-0.004	-0.305
0.0945	-0.3335	-1.3615	-0.9945	-0.7905	0.5695
-0.171	0.23	-1.232	0.678	-0.043	0.4
0.08	-0.221	0.373	0.178	0.003	-0.408
0.4355	-0.6005	0.3695	-0.3515	-0.3945	0.0285
-0.7035	0.8595	-0.4305	-0.2835	0.1735	0.5355
0.493	-1.884	0.549	0.609	-0.166	0.053
-1.8695	-0.2825	-0.8685	1.7615	1.0665	-0.1375
1.935	0.555	0.063	0.284	0.721	0.544
0.0925	-0.2835	-0.1985	0.0695	0.1365	0.1215
0.1675	0.0735	1.5385	0.1665	-0.3555	-0.2635
3.765	-0.989	-1.39	2.715	2.132	-0.4
-1.5545	-0.0545	-0.7675	0.7525	-0.0005	-0.0585
-0.311	2.074	-1.564	-0.146	-0.965	-0.113
-0.39	0.709	0.03	-0.004	0.496	0.222
-0.795	-0.011	-0.693	-0.418	-0.234	0.587
-0.4195	-1.2055	-0.2525	-0.0995	0.3555	0.2435
1.6315	1.6615	2.3675	1.1935	1.9735	0.3395
0.381	-0.511	-0.072	0.117	0.181	-0.247
-0.288	1.74	1.227	1.855	1.023	-0.509
-0.5535	0.1435	-0.2485	-0.5355	-0.0725	-0.5985
1.996	0.698	2.663	0.519	1.166	0.061
-0.102	-0.55	-0.107	-0.173	-0.432	-0.672
0.4035	0.0715	0.1625	-0.1425	0.1375	-0.0275
0.3475	-0.0855	-0.1595	0.0165	0.2825	-0.0575
0.4835	2.0385	1.4795	0.9165	1.1465	0.3585
-0.841	0.447	0.238	1.853	1.237	-0.858
0.5685	0.1075	0.4415	1.2775	0.2665	1.0085
1.528	-1.308	-0.789	2.909	2.247	2.947
1.3475	0.6275	-0.6925	-0.7755	-0.2575	-0.3475
1.0365	0.7675	-0.7655	0.6135	-0.2005	0.7245
0.0185	0.0565	-0.7515	0.6845	0.8595	0.6225
0.243	-0.637	-1.885	0.128	-0.444	-0.341
0.94	0.206	1.154	0.126	-0.06	-0.073
1.528	3.168	0.813	2.785	1.098	0.112
-0.8165	-1.3155	-0.7725	0.0205	-0.8265	-0.4275
1.055	1.58	-0.125	0.035	1.26	0.147
0.009	-0.985	-0.534	-0.517	-0.327	0.089
1.7805	1.5715	1.5905	2.7675	0.5345	0.4165
1.163	1.521	0.084	-1.708	1.351	1.39
-1.0515	-0.4525	-0.5085	-0.2975	-0.3125	-0.0765
0.6185	0.5925	-0.0545	-0.3955	0.4795	-0.2815
-0.225	0.703	-0.238	0.006	0.736	0.043
0.2755	1.0875	0.9425	-0.0905	1.2405	-0.2255

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
-2.7675	3.8125	-2.5455	0.7565	2.5165	0.8445
-0.1965	-0.8875	-0.1005	-1.1955	0.4745	-0.1905
-0.551	0.166	-0.282	0.306	-0.3	0.192
-1.465	-0.364	-1.054	-0.643	-0.196	-0.029
0.146	0.101	0.359	0.116	0.425	0.424
-0.52	1.153	-0.083	-0.188	0.525	-0.072
0.187	-0.238	0.03	0.369	0.133	0.079
-0.097	0.014	-0.547	0.375	0.478	0.002
-0.2365	0.6025	0.5915	-0.1615	-0.0295	-0.3515
0.537	0.172	0.699	0.193	-0.115	0.11
-0.6395	0.7425	0.7935	0.2595	-0.7655	-0.3985
-1.0295	0.8205	0.6625	-0.8085	0.2655	-0.6135
0.1615	1.2985	0.3515	0.0725	0.0285	-0.0755
-0.6505	-0.6345	-1.4345	-0.7825	0.1275	-0.1555
0.459	0.039	-2.945	0.803	-1.05	-0.763
-1.5955	-2.2685	-0.5465	-1.3885	1.4585	0.8455
-0.641	1.038	0.559	-0.317	-0.231	-0.882
0.1105	0.0085	-0.0485	0.5745	0.4345	0.2685
0.3365	-0.4055	-0.6115	-0.2985	0.3885	-0.0635
-0.923	-0.003	-1.09	-0.696	-0.15	0.169
0.482	-0.138	-0.608	0.269	-0.5	-0.198
1.185	-0.015	-0.11	1.047	-1.185	-0.285
0.974	0.522	1.578	-0.254	0.099	0.146
-0.775	1.029	0.505	0.918	0.733	-0.205
0.2195	-0.0085	-0.2565	0.2535	-0.7095	-0.4085
-0.0835	0.1815	-0.1005	0.0765	-0.0575	-0.2615
0.0005	-0.2975	1.0725	0.5675	-0.3645	-0.0955
0.9235	0.4575	0.4745	0.0845	0.4345	-0.1175
0.7045	-0.0485	0.4875	-0.0005	-0.3325	0.1405
0.7785	-0.1295	-0.0815	0.0125	0.3345	-0.2855
1.4665	1.8325	2.4925	0.2575	0.5935	-0.4635
-1.6725	-1.7025	-2.1985	0.8955	0.8825	1.9785
-0.3115	0.3305	-0.3875	0.0925	0.0175	-0.0825
-0.1665	0.2625	0.5405	-0.1485	0.5765	-0.0995
-1.1665	0.8165	0.3955	-0.0485	0.2245	0.0875
-0.301	0.092	-0.317	0.089	-0.691	0.307
0.1525	0.2185	-1.0865	0.6255	-0.0165	-0.0345
0.5055	0.1705	0.5575	-0.1275	0.1235	0.0645
-0.1515	0.0025	-0.4005	-0.0735	0.3475	-0.3055
-1.1715	-0.1995	-0.7435	0.2855	0.0325	0.1155
-0.494	0.278	0.245	0.354	0.174	-0.511
0.2345	-1.5075	0.4525	0.4655	0.2015	0.0325
0.2165	0.4695	0.5825	0.3375	0.2915	0.2455
1.3795	0.5835	0.3635	1.9265	-0.4315	-1.3375
-1.1185	-1.4385	0.1045	-1.3055	-0.5365	0.0825
0.797	2.614	0.209	-0.118	0.507	0.773
0.6475	0.5315	0.4535	0.0585	-0.2295	-0.3985
-0.1435	-0.0205	0.0005	-0.0105	0.1075	-0.0695
0.6075	0.2585	0.1335	0.1095	-0.0815	-0.1355
0.082	0.035	1.107	-0.257	0.393	-0.465
0.242	-0.619	-0.795	-0.295	-0.495	-0.663
-0.0425	0.6035	0.8755	-0.0835	-0.1785	-0.1075
-0.5365	-0.3705	-0.4645	0.1785	0.2335	0.0115
-1.9545	-0.2725	-0.6965	0.9015	0.2465	-0.3975
0.418	0.228	0.26	0.263	0.04	-0.095
-1.9435	-1.8665	-0.9665	-1.6535	0.3295	-1.0945
-0.232	0.572	0.409	1.259	-0.413	-0.971
-0.3985	0.6535	-0.1185	-0.1075	-0.1735	-0.6145
0 101	-0.119	-0.073	0.099	-0.016	-0.105
-0.022	-0.114	-0.321	0.707	-0.255	0.148
-0.1395	0.3855	-0.6505	0.9465	0.0945	0.2625
0.521	-1.012	-0.664	1.426	0.316	-0.957
-0.424	0.176	-0.455	-0.424	0.036	0.011
-0.698	-0.206	-1.387	0.699	-0.549	0.213
1.103	0.824	0.54	0.575	0.134	0.207
0.3705	0.7405	0.0295	0.7815	-0.0175	0.2725
0.6955	-0.0235	-3.8575	0.1325	0.4565	0.2215
-0.278	-1.14	-1.707	0.176	-0.333	-1.601
-0.248	1.048	0.47	1.078	-0.679	-0.326
2.9755	1.5005	-0.4535	4.8015	2.7455	1.8025
3.0735	-0.2905	-1.5415	2.8295	2.0655	1.1655
0.0045	0.7405	0.8525	-0.6685	-0.8745	-0.0335
-0.001	-0.235	0.19	1.96	-0.249	-0.255
0.0345	0.3455	-0.0825	0.0475	0.1535	0.1575
-0.059	-0.232	0.25	0.305	-0.349	0.176

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB326-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
-0.4985	-1.0685	-0.9095	0.1665	-0.4295	-0.0145
0.219	1.026	1.134	0.928	0.465	-0.373
-0.005	0.912	1.096	0.175	0.239	-0.233
0.1375	-0.1275	-0.3325	-0.0445	-0.1065	-0.1895
0.2335	0.2335	0.1925	0.3735	-0.2685	-0.1515
-0.496	-0.685	-0.351	-0.402	-0.186	1.115
-0.1385	0.8015	1.2275	-0.1885	-0.0625	-0.7445
-0.334	0.804	-0.393	0.229	0.336	-0.57
1.347	-0.467	-0.918	-0.044	-0.716	-1.18
1.339	1.012	-0.039	0.377	0.505	-0.045
1.235	0.705	2.132	1.421	0.081	0.598
-0.205	-0.167	0.321	0.257	-0.236	0.269
0.567	0.454	0.678	0.593	0.369	0.644
0.1285	0.0025	0.2365	0.5555	0.0175	-0.0055
-0.5755	1.1105	-0.5505	-0.3365	0.3595	0.7655
-0.275	0.799	0.695	0.498	0.129	0.025
-1.028	-2.092	-0.44	-0.38	-0.112	0.029
2.269	2.185	0.81	1.05	1.887	-0.108
0.1585	-0.0085	-0.1755	0.0845	0.3255	-0.0455
0.227	-0.743	-0.854	0.23	0.151	-0.404
-0.5415	0.8635	-0.5205	-1.3715	0.1315	0.9225
2.0685	-0.8215	-0.1385	0.1215	-0.4635	1.9495
0.0715	0.8875	-0.2985	0.0885	0.4265	0.1945
-0.7785	0.1795	-1.1615	-0.0695	0.0405	-0.1405
-0.7045	-0.2575	-0.7355	0.3485	0.3695	-0.0995
-0.441	0.502	-0.288	-0.936	-0.021	0.334
0.222	-0.001	0.056	-0.663	0.232	-0.647
-0.6295	1.5605	1.0415	0.5955	-1.1995	-0.6535
-0.0925	-0.6735	0.7915	-0.4545	-0.0905	0.0425
-0.7505	-0.1515	-1.8935	-0.2975	0.0565	-0.9985
-0.3325	1.1615	0.9345	0.8775	-0.3945	0.4415
-0.359	0.442	0.493	-0.298	0.204	0.254
-0.0225	0.2745	0.9215	0.5855	0.3965	-0.4245
0.671	1.375	1.06	0.522	-0.305	0.524
-1.1095	0.8155	0.1495	0.1765	0.0415	-0.1655
0.4535	-0.7345	0.7585	-0.4215	-0.3545	-0.4195
1.2535	0.8135	-0.5105	0.3275	0.5545	0.3005
1.2475	-0.0035	-0.7295	0.7645	0.0125	-0.4635
0.9775	-0.1925	0.5015	0.4585	-0.2845	0.1455
1.399	0.962	1.984	-0.041	1.36	0.008
-0.8795	0.2855	-0.4095	-0.1305	-0.9455	-0.9785
-0.161	0.595	0.312	-0.18	0.003	0.231
-0.434	-0.308	0.043	0.008	-0.568	-0.26
-0.46	-0.445	-0.63	-0.163	-0.358	-0.199
-1.2455	-2.0475	-1.5265	0.4885	-0.9085	-0.7785
1.0215	0.7525	-0.6465	0.3175	-0.3215	0.2075
-0.8205	0.2935	-0.0725	0.2765	-0.9275	-0.7835
-0.051	-0.885	-0.276	-0.585	-0.549	-0.173
0.4175	0.5005	-0.2335	0.3425	-0.0425	0.0025
0.3065	0.8315	-0.2545	-0.3895	0.1735	0.0185
0.8045	1.0375	0.5855	-0.2105	-0.0835	0.7615
0.0195	0.5875	1.3525	0.4195	-0.0915	-1.0595
0 159	0.132	-0.186	0.035	0 438	0.147
-0.4375	-0.9435	-1.2555	0.1875	0.2815	-0.0035
-1.316	-0.674	-0.845	-0.491	0.011	0.372
-0.4525	0.5545	-0.3965	-0.5125	0.1265	-0.1785
0.0245	0.2905	0.5325	0.3145	0.0475	-0.4535
-0.215	1.435	1.092	0.558	-0.065	-0.185
-0.455	0.064	-0.304	0.88	-0.481	-0.456
0.3865	-1.9135	-0.0945	-1.6885	-0.9445	-0.3145
0.8335	-0.1965	0.5765	0.4805	0.0735	-0.5145
-0.196	0.433	0.023	-0.128	0.733	-0.14
-0.0855	-0.7555	-0.9195	-1.2015	-0.2705	-0.2155
0.368	0.092	0.082	0.075	-0.128	0.264
1.428	-0.621	0.811	-0.64	0.66	-0.269
0.416	0.748	1.072	0.14	0.201	-0.168
4.1935	-1.0685	-0.5185	1.1625	1.1255	2.1555
-0.3595	-0.2825	0.1565	-1.0735	0.6945	-0.6795
0.7775	0.0035	0.1455	0.3735	0.5605	-0.2625
-0.545	0.331	-0.453	0.037	-0.321	-0.417
0 837	0.097	0.765	-0.243	0.572	-0.116
0.8945	1.6105	1.1895	0.0155	0.6785	0.1905
-0.374	0.44	-0.862	-0.184	-0.499	-0.314
-0.524	0.193	0.648	-0.512	-0.196	0.135
-0.288	0.092	0.053	-0.142	-0.087	0.012

Table 18.

BC00016 LUMINAL	BC00034 LUMINAL	PB328-LN LUMINAL	PB211 LUMINAL	BR01-024(LUMINAL	PB475 LUMINAL
0.0485	-0.4315	-0.4355	0.0125	-0.0315	0.0685
-0.736	-0.822	-0.151	-0.674	-0.157	-0.162
0.9875	-0.7785	-0.5145	0.0715	-0.6115	-0.5165
-0.516	-0.248	-0.755	-0.829	0.118	-0.289
1.034	-0.378	0.598	0.121	-0.114	0.551
-0.895	1.121	0.06	0.57	0.897	0.071
0.7125	-0.0945	-0.3805	-0.1225	-0.5475	-0.0165
-0.941	-0.385	-0.453	-0.501	0.037	-0.074
-0.729	-0.089	-0.439	-0.054	-0.249	-0.519
-0.4125	0.4395	1.8575	-0.3495	-0.4625	-0.3395
0.6585	0.0285	-0.4935	0.6105	1.0545	0.1905
0.2195	-0.1025	-0.0645	-0.6805	-0.2535	-0.3985
0.6955	0.8125	0.5585	0.8855	0.3015	-0.8165
-0.688	0.103	-0.335	0.143	0.688	-0.199
-0.532	-1.05	-0.328	0.16	-0.275	-0.401
-0.2185	-0.1605	-0.5485	0.1595	-0.7165	0.0425
0.742	0.196	0.98	0.526	-0.101	0.339
0.3245	0.8265	-0.2525	0.5235	0.2405	0.5335
0.5365	-0.1555	-0.3375	0.0745	-0.1415	-0.2585
0.0195	-0.3295	-0.3725	0.3315	0.1175	-0.1365
-0.379	-0.729	0.442	-1.139	-0.794	-0.614
0.581	-0.193	1.044	0.435	-0.068	-0.032
0.4175	1.5545	0.1745	0.7735	0.1885	-0.1685
0.481	-0.932	0.472	-0.116	0.347	-1.063
-1.1255	-0.7235	-1.1635	-0.3995	-0.9145	0.2455
-0.6555	0.6705	-0.3185	0.8935	-0.1645	0.1105
0.5645	-0.1325	-0.0925	0.3045	-0.1735	0.1815
-0.42	-2.96	-0.033	0.329	-0.135	-0.848
-0.136	0.267	-0.618	0.63	0.337	-0.105
0.3245	0.4695	0.3245	0.0995	0.1915	-0.1965
0.391	-0.122	0.189	0.572	0.177	0.15
-0.0265	0.6175	-0.0125	-0.0165	-0.1075	0.0355
1.1015	-1.9905	-2.0045	-1.7295	-0.7435	-0.6925
0.7085	0.9825	0.2635	0.3875	-0.0135	-0.3055
0.73	0.199	0.463	1.869	0.338	0.644
0.455	0.209	-0.026	0.55	-0.209	-0.117
0.1775	0.5135	0.2115	1.3235	0.6595	0.4975
0.2105	0.0085	-0.0205	0.1685	0.3135	-0.1995
-0.7615	0.8155	0.0085	-0.0605	0.3675	-0.3495
0.4825	-0.0375	0.4765	0.4395	0.2915	0.3095
0.203	0.688	-0.231	0.283	-0.314	0.653
-0.564	-0.386	-0.054	-0.004	-0.594	-0.068
0.2	-0.033	-0.527	0.139	-0.09	-0.231

Table 19

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45
ABAT	682378 || A	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.556	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634
ABC1	696882 || A	-1.145	0.641	-1.241	-0.965	-0.395	-0.755	-1.366	-0.89	-0.23	-1.4	-0.965	-0.881	-0.98	-1.029	-1.191	-1.494	-0.646	-0.988	-1.004	-0.896	-0.221	0.016	-1.014	-1.4965	-0.084	-1.621	-0.944
ABCC11	697619 || A	5.574	0.322	-0.343	1.524	0.38	4.056	-0.302	-0.699	2.28	-0.405	2.032	0.031	1.395	3.009	1.045	1.776	3.097	3.974	5.154	1.465	1.263	-0.148	2.175	4.7335	-0.069	1.38	4.361
ABCC3	695262 || A	0.011	-0.421	-1.254	0.923	-0.647	0.335	-1.013	-0.967	1.62	-1.138	0.506	-1.047	2.78	0.964	-0.614	0.338	-0.167	-0.228	-0.81	-0.775	1.879	0.324	0.019	-1.356	-0.343	-0.766	0.634
ACAS2L	695930 || A	0.433	2.406	1.24	1.7	1.355	-0.297	0.417	0.494	-0.23	0.466	0.737	0.748	-1.13	1.472	0.72	1.056	2.794	-0.805	1.295	1.207	3.344	0.959	2.1745	0.211	1.698	-0.036	-0.723
ACAT1	686983 || A	-0.442	0.088	0.524	0.334	1.118	0.508	-0.798	-0.683	0.09	-0.917	-0.157	-0.093	-0.895	-0.32	-0.98	-0.575	0.506	-0.007	0.669	-0.185	1.092	-1.464	-0.4835	0.8455	-1.092	0.013	0.381
ACAT2	691319 || A	0.001	0.126	1.659	-2.572	-2.162	-0.602	-1.019	1.182	0.03	-0.044	1.563	1.406	1.522	1.839	1.374	0.881	0.548	0.379	-1.345	-0.214	-1.05	0.709	-0.0015	-1.424	-0.826	0.483	-0.001
ACOX2	694388 || A	2.333	0.486	-1.681	2.355	0.02	0.713	-1.187	0.294	1.06	-0.849	0.783	-0.645	1.333	1.389	-2.029	0.602	1.174	-0.16	0.598	2.97	0.31	-1.68	-0.04	1.4795	1.158	-1.451	2.66
ACOX3	690904 || A	0.419	0.278	-1.859	-1.15	-0.07	-1.288	-3.312	-1.98	0.3	0.628	-1.685	-2.11	1.411	-1.525	-3.14	-0.823	-0.759	-1.94	-1.671	-2.04	-1.787	-2.2	-2.9515	-1.25	0.009	-0.452	-0.689
ACSL3	690853 || A	0.0335	-0.5205	-0.2775	0.3885	0.1215	-0.5295	-0.9195	0.8395	0.55	-0.9595	1.1	-1.18	0.2765	0.3205	1.042	-0.0515	-0.0335	-0.5825	1.159	-0.5915	-0.5065	-1.223	-0.803	-0.656	0.8245	-0.0575	0.2685
ACTA1	692913 || A	-1.001	0.081	1.077	-0.882	-0.394	-1.012	4.196	-0.554	-0.71	2.26	-0.099	0.3	-0.975	0.811	-1.083	-0.065	-0.746	-0.783	-1.265	1.085	-1.871	-0.301	0.861	-0.531	-0.54	2.181	0.443
ACTB	695048 || A	1.344	1.374	-0.125	0.665	1.528	1.371	1.832	0.514	-0.33	1.703	0.792	1.032	1.315	1.037	0.25	0.141	1.606	1.467	0.874	0.468	1.543	1.614	1.8985	0.424	-0.063	1.404	0.593
ADAM33	682670 || A	0.564	0.0732	-0.063	-0.31	0.058	0.292	0.087	-0.386	0	-0.083	0.181	0.236	-0.11	-0.271	0.06	0.141	0.035	-0.124	0.227	-0.083	0.153	0	0.3235	0.8195	-0.148	-0.414	-0.382
ADAMDEC	687861 || A	-0.553	0.231	-1.838	0.372	0.169	-0.819	0.041	1.537	-1.19	-1.483	-0.075	0.352	-0.642	-0.398	-0.696	0.208	-0.453	-0.669	-0.71	0.491	-0.369	0.16	0.196	0.613	0.309	-0.178	1.108
ADPN	684643 || A	-0.3975	-0.4505	2.077	-1.039	-0.4655	2.134	1.524	1.483	-0.44	-0.3715	-0.5345	1.34	0.5345	0.2945	-0.3985	-0.0745	1.839	2.739	1.317	1.13	-1.289	0.8575	1.334	-0.3455	-1.269	-1.103	0.0745
ADPRHL1	681147 || A	-0.587	0.833	-0.382	1.076	1.855	-0.224	-0.058	-0.098	0.11	0.169	-0.59	-0.633	0.786	-0.42	0.942	-0.431	-0.042	0.042	1.073	0.385	-0.397	0.814	-0.555	-0.193	0.942	-0.045	1.578
ADRA2C	696863 || A	-0.227	1.017	-0.319	0.694	1.363	0.147	-0.049	-0.802	0.05	-0.919	-0.009	0.372	-0.693	-0.135	-0.229	-0.035	0.407	-0.778	0.432	-0.062	-0.086	-0.306	-0.1	0.697	0.654	0.375	0.268
AGR2	696132 || A	-0.27	-0.608	-0.195	0.848	0.884	0.121	0.214	-0.781	0.86	-1.447	0.301	-0.084	0.368	-0.09	-0.887	0.197	0.313	-0.571	-0.193	0.084	-0.613	-0.449	-0.3885	0.249	0.408	0.429	0.503
AGT	685839 || A	-0.548	-1.413	1.543	1.119	-0.04	-0.808	0.012	-1.185	-0.32	-0.682	-0.61	1.758	0.555	1.122	-0.838	0.438	0.234	0.285	0.079	2.553	-0.023	1.992	-0.012	2.382	-1.137	-1.044	0.785
AGTR1	683209 || A	-0.3398	0.1462	-0.2918	1.483	1.397	0.0423	0.1232	-0.1038	0.79	-0.1228	1.272	-0.2028	0.0183	-0.3238	-0.5528	-0.2988	0.6602	-0.1248	-0.0258	1.748	0.1312	-0.1798	0.1812	0.9682	2.742	-0.0698	-0.2848
AHCYL1	681920 || A	-0.792	-0.384	-1.227	0.535	0.656	0.234	0.026	-0.813	0.34	-0.424	0.26	0.294	-0.251	-0.267	0.359	-0.191	0.504	-0.267	-0.094	0.924	0.157	0.007	-0.365	0.4675	-0.007	-0.181	0.34
AHNAK	696607 || A	0.219	1.117	-0.329	0.091	0.707	0.908	-0.093	-0.719	0.45	-0.48	0.269	-0.879	-1.545	0.627	-0.494	1.434	1.587	-0.407	0.794	-0.756	0.121	-0.475	1.2205	-0.003	1.014	0.952	-1.48
AHR	687282 || A	0.3202	-0.8218	-0.8058	0.9222	-0.8408	0.2172	-1.166	-0.1218	0.94	-1.919	0.5442	-0.9258	0.4492	0.7602	0.3632	-0.5178	0.0433	-1.481	-0.7168	0.3002	-0.3526	1.744	-0.5528	-0.7328	-0.7288	0.4392	0.1542
AIM1	692581 || A	1.166	0.2621	-1.308	0.698	-0.832	-0.607	0.265	1.328	0.63	-0.253	-0.11	2.768	1.831	0.522	1.085	0.663	0.919	1.308	-0.406	0.583	0.649	0.927	0.543	-0.805	-0.269	1.546	0.287
AK2	686272 || A	0.585	-0.518	-0.096	0.181	0.01	-0.557	0.397	0.381	-0.07	0.498	-0.01	-0.507	0.548	0.219	0.473	-0.98	0.387	-0.073	-0.335	0.209	0.467	0.28	-0.0325	-0.6795	-0.148	0.214	-0.102
AK3L1	689094 || A	0.2795	-0.1075	0.0975	-0.2235	0.5605	-0.1065	-0.2235	0.4725	0.21	-0.8675	0.4135	-1.576	0.0555	0.0985	0.6145	0.5275	-0.6565	-0.4705	1.332	-0.4835	-0.2835	-0.4735	-1.278	-0.392	0.2695	-0.0555	0.2935
AK5	686669 || A	-1.138	-1.394	-1.842	3.196	2.427	-0.717	0.821	-1.423	2.97	-0.785	0.809	-0.803	-0.767	0.046	-1.417	1.186	0.094	0.487	2.745	-0.083	-1.027	1.509	-0.3775	3.904	-0.962	0.785	-0.616
AKAP1	689352 || A	-0.271	-0.115	0.483	0.594	-0.747	0.242	-0.232	1.081	0.24	-0.508	-1.11	0.848	-0.399	-0.226	0.467	-0.16	-0.752	-0.012	0.012	0.6	0.222	1.141	-0.835	-0.3115	0.871	-0.986	0.225
AKR1A1	681581 || A	1.717	0.517	-1.272	0.002	1.317	0.141	-0.002	-0.51	-0.18	-1.002	0.233	-0.445	0.017	0.06	-0.096	-0.134	0.119	1.625	0.087	-0.026	1.061	-0.284	0.5215	-0.0975	-0.284	0.663	-0.276
AKR7A3	685301 || A	0.067	-0.067	-0.496	1.341	0.836	0.935	-0.581	-0.428	0.41	-0.196	0.269	-0.341	1.488	-0.109	-0.446	0.113	1.011	0.92	-0.328	-0.438	-0.441	-1.276	-0.529	-0.5155	0.437	-0.303	0.883
ALG5	686179 || A	-0.0385	-0.6625	-0.6365	0.4045	0.1245	-0.7775	-0.2975	-0.3925	0.28	0.3035	-0.3365	-1.146	0.1825	0.1215	1.319	-0.5335	-0.6685	-0.6435	0.6405	0.0655	0.0245	-0.4225	-0.827	-0.0855	0.9595	0.5425	-0.0245
ALG8	681787 || A	-0.487	0.412	0.206	-0.161	0.039	0.226	-0.814	-0.241	-0.41	-0.509	0.38	-0.07	3.14	-0.23	0.262	2.322	0.156	-0.576	-0.027	0.561	0.512	-0.25	-0.217	0.3605	0.027	-0.26	0.468
AMFR	693971 || A	-0.463	1.486	-1.015	-0.672	2.971	1.675	0.738	0.541	-0.9	-1.239	0.732	1.056	-1.942	0.733	0.549	0.622	0.74	0.352	3.565	0.771	-0.03	0.199	0.326	0.832	1.89	2.117	1.921
AMPD2	683330 || A	-0.3317	-0.2277	-0.4257	-0.4967	0.5983	0.7623	0.8743	-0.2907	0.31	-0.6147	0.0053	1.26	0.0293	0.0353	0.2753	0.1883	-0.0098	-1.065	0.5773	-0.1107	0.3843	0.2253	0.4798	-0.0053	-0.2927	-0.4667	-0.3127
ANAPC11	684913 || A	-0.213	-1.171	0.879	-0.091	-1.008	-0.99	-0.396	0.182	-0.3	1.293	-0.434	-1.595	0.124	1.099	0.132	0.012	-0.406	-0.819	0.366	-0.069	0.643	-1.078	-0.341	-0.7175	-0.012	0.476	0.065
ANKRD22	691041 || A	1.222	0.307	0.883	-0.19	-0.681	-0.727	-0.426	0.114	-0.57	-1.541	1.065	-1.059	0.4	1.557	1.771	-1.714	0.627	0.967	0.463	0.8	-0.883	-0.226	-0.7355	-1.35	-0.347	2.667	0.01
ANKRD27	693340 || A	-0.731	1.532	1.565	-0.774	-0.468	0.168	0.493	0.645	0.01	-0.099	0.169	-0.683	0.097	-0.08	0.731	0.082	-0.111	-0.964	0.046	-0.447	-0.394	0.304	1.3365	-0.475	0.138	-0.135	-0.33
ANLN	687252 || A	1.471	1.009	0.4215	-0.4215	-0.4105	-0.2425	2.609	2.448	-0.56	2.632	-0.2065	1.58	0.9385	-0.0925	1.161	-1.825	0.4695	1.365	-0.7685	-0.5655	0.0925	1.056	0.264	-1.006	-0.9005	0.9535	-0.4355
ANP32A	686123 || A	0.68	2.693	-1.103	3.428	3.251	-0.328	-0.279	-0.316	0.65	-0.449	2.037	-0.061	1.98	-0.224	-0.502	0.861	1.975	-0.165	2.057	1.783	0.309	-0.624	-0.683	1.333	3.379	3.772	1.013
ANXA3	688113 || A	1.979	-1.097	-0.652	-1.193	-2.541	0.042	1.981	1.342	1.13	0.976	0.384	-0.21	0.002	-0.647	2.498	1.221	0.946	-0.73	-1.184	0.527	-0.287	2.44	0.6445	-0.981	-0.002	1.16	-0.297
APBB2	688899 || A	-0.458	0.21	-0.38	0.444	0.772	-0.039	-0.948	-0.778	0.17	-0.687	-0.379	-1.06	0.342	-0.927	-1.044	-0.514	0.351	-0.585	0.692	1.403	-0.248	-0.161	0.657	0.1135	0.998	1.235	-0.415
APOBEC3	691683 || A	-0.0345	0.4805	0.3485	-0.1125	-0.6665	-0.8435	4.932	3.224	-0.96	0.1885	0.9135	3.407	1.404	-0.6385	3.764	-1.152	-1.112	2.107	-0.6735	-0.6835	0.5675	1.623	1.392	-0.8585	-1.367	0.0345	-0.5815
AQP5	681165 || A	0.5905	-2.625	1.991	-1.283	-2.33	-1.33	1.983	1.903	1.23	-1.351	-1.83	2.108	-1.568	-1.563	-0.2665	1.273	-1.423	2.675	-0.9805	0.0395	3.916	0.7485	1.043	2.342	-0.7705	-0.6555	0.6595
AR	693849 || A	3.194	1.476	-0.592	3.056	1.491	2.54	-1.514	-1.879	0.32	-1.737	2.161	-2.498	0.998	3.448	0.938	2.533	3.661	2.948	1.352	3.757	1.407	-1.683	1.2645	3.066	4.449	3.874	4.729
AREG	696877 || A	0.444	2.536	0.633	0.469	0.974	1.165	1.862	0.257	5.32	1.165	0.417	1.156	0.884	1.172	0.036	-0.044	1.243	-0.361	-0.208	0.259	2.644	0.27	1.808	0.2515	1.12	1.449	1.348
ARF1	694438 || A	1.101	1.487	1.773	0.997	1.553	0.018	1.317	1.345	-0.22	0.319	0.482	1.895	1.015	1.106	0.922	0.274	0.357	0.546	0.713	1.074	0.861	0.641	1.0215	0.4345	0.637	1.047	0.719
ARHGDIB	694908 || A	0.734	-0.961	-1.839	0.646	1.115	0.036	0.384	-0.201	0.24	0.029	0.174	0.896	-0.208	3.625	0.669	1.278	0.351	0.345	0.192	1.42	0.698	2.661	0.1795	0.638	0.683	1.446	0.377
ARL6IP	688270 || A	-0.104	1.084	0.098	-0.137	0	0.803	0.082	0.716	-0.19	0.314	-0.065	0.419	0.415	-0.725	0.188	-0.17	-0.155	-0.223	-0.509	0	-0.905	-0.244	-0.701	-1.051	0.086	0.343	0.408
ARL6IP2	684285 || A	-0.243	0.33	1.977	-0.657	0.17	-0.665	0.76	2.269	0.11	0.045	0.25	0.77	-0.037	0.523	1.346	0.969	-0.335	-0.315	-0.125	-0.518	-0.412	2.077	-0.373	-0.4945	-0.287	0.263	-0.034
ARMCX2	682195 || A	-0.718	-1.239	0.101	-0.203	-0.196	-0.222	0.621	-0.756	0.77	-1.524	1.032	0.086	0.242	-0.99	0.039	0.062	0.995	-0.427	-0.088	0.984	-0.368	-0.17	-1.217	-1.199	0.555	0.083	0.817
ARNT2	685876 || A	-0.059	-0.4406	2.325	1.98	0.604	-0.37	-0.445	-0.584	0.5	-1.808	0.523	-1.444	2.587	1.489	0.573	-1.218	-1.243	-2.111	0.524	1.756	-1.68	-1.288	-1.038	1.224	-0.256	-0.615	0.13
ARNT2	686537 || A	0.07	-1.389	2.75	2.274	0.253	-0.115	-0.163	-0.687	0.53	-1.782	0.821	-1.582	2.59	1.508	0.84	-0.956	-1.083	-2.091	0.908	1.859	-1.813	-1.278	-0.5575	1.442	-0.347	-0.784	-0.144
ARP3BETA	696804 || A	-1.016	-1.612	2.441	-0.241	-1.099	-1.13	0.282	0.133	-0.03	-0.408	-1.005	1.374	-0.879	-0.574	0.288	-0.533	-0.769	-1.047	-0.946	-0.904	-1.147	0.163	-1.6045	-1.4035	-1.087	-0.702	-0.285
ARPC1B	696647 || A	0.31	0.147	-0.966	0.314	0.176	-0.078	1.136	0.798	-0.69	0.635	-0.665	0.104	0.197	0.604	0.007	0.345	-0.073	0.853	0.159	-0.84	0.054	-0.472	0.6535	-1.4485	-0.66	1.014	-0.506
ARPC5L	690357 || A	-0.0428	0.2283	-1.087	-0.4377	0.5693	-0.4377	1.495	0.3823	-0.07	0.2033	-0.3737	0.0493	-0.5017	0.3443	0.4093	-0.7697	-0.2027	1.161	-0.0978	-0.5927	-0.4717	0.2013	1.102	0.0428	0.4783	0.5273	-0.8097
ASS9	685235 || A	0.215	-2.138	2.935	-0.135	-0.177	0.036	-0.029	-0.725	0.65	-0.252	-0.811	0.061	0.465	-0.603	2.304	0.392	-0.168	0.747	-0.184	1.315	0.094	0.527	-1.008	-0.2775	-0.737	-0.424	0.376
ASF1A	692334 || A	-0.981	-0.895	-0.174	-1.303	-0.718	-1.854	-0.918	-0.423	-0.08	0.229	-1.127	-0.061	-0.213	-1.651	-0.378	-1.191	-1.782	-0.184	-1.629	-1.32	-1.64	-0.103	-1.776	-1.639	-0.879	-1.169	-1.109
ASH2L	696184 || A	-0.896	1.035	-0.417	-0.013	0.17	0.409	-0.338	-0.5	0.33	-0.193	-0.171	0.651	-0.338	-0.97	-0.148	0.284	-0.389	-1.035	-0.071	-0.333	-0.276	0.156	-0.665	-0.654	-0.261	0.347	-0.01
ASK	686686 || A	-0.205	-0.834	0.5	-1.271	-1.419	0.394	1.394	0.751	-0.35	-0.047	0.673	1.352	0.318	-0.231	0.747	0.731	0.104	-0.886	-0.571	-0.742	0.264	-0.599	-0.6275	-1.181	-0.54	1.043	0.719
ASPM	695669 || A	-1.347	-1.239	-0.346	-2.702	-2.136	-2.693	0.244	0.247	-1.07	-1.345	-2.347	-0.711	-1.264	-1.829	-0.4	-2.412	-2.161	-1.465	-2.838	-2.435	-2.177	-1.382	-1.4305	-2.5495	-3.26	-2.034	-2.96
ASS	695913 || A	0.085	0.42	-0.189	1.334	0.54	-0.788	0.602	0.313	-0.12	-0.307	-0.464	0.125	-0.576	0.136	1.036	-0.085	-0.166	-0.297	-0.221	0.071	-0.267	-1.047	0.2705	0.639	-0.403	-0.369	-0.92
ATAD2	682321 || A	-0.7303	1.111	0.1197	-0.2803	-1.371	-0.3243	1.48	3.08	-1.36	1.08	-0.6883	1.262	0.2637	-0.8863	0.6697	-1.03	0.3657	1.291	0.2597	-0.1853	0.9397	0.8997	-0.5113	-0.8518	-0.3703	0.1797	-0.0103
ATF5	684294 || A	-0.2135	0.0025	0.5045	-0.2325	0.4965	-0.5215	-0.1165	0.2605	-0.07	-0.5625	-0.0345	-0.6215	-0.0375	-0.0545	0.0275	0.3675	0.5525	-0.0205	-0.5185	-0.3155	0.3575	1.114	1.66	-0.0005	0.0205	0.1755	0.1355
ATF7IP2	681599 || A	-0.6295	-0.3945	0.9635	-0.9795	0.1515	-0.0805	0.3475	1.065	0.4	0.6995	0.8915	-0.2935	0.0805	-0.6805	0.4335	0.1435	-0.2355	-0.4485	1.943	-0.8495	0.4745	0.7065	-0.2845	-0.113	0.3655	-0.4625	0.5115
ATP2B1	685531 || A	-0.069	1.133	-1.135	-0.219	0.223	0.278	-0.764	-0.525	0.05	-0.661	-0.08	-0.952	0.555	0.0603	0	0.437	0.101	-0.314	-0.259	-0.381	0.001	-0.131	-0.411	-1.001	0.375	0.164	0.1
ATP5G1	695474 || A	-1.026	-0.462	-0.771	-0.705	-0.743	-1.082	-1.079	-0.999	-0.27	-0.389	-1.339	-0.994	-1.109	0.431	-0.285	-1.226	-1.322	-1.608	-0.906	-0.951	-1.017	-1.846	-0.9945	-1.5755	-0.95	-1.241	-0.75
ATP5O	696801 || A	-0.987	-0.975	-0.486	-0.957	-0.827	-1.184	-0.694	-0.617	-0.15	0.71	-0.823	-0.419	-0.652	-1.385	-0.183	-1.178	-0.926	-0.387	-0.936	-0.602	-1.235	-1.049	-1.1955	-0.806	-1.057	-0.613	-0.505
ATP6AP1	681830 || A	0.265	-0.607	1.985	-0.154	-0.162	1.383	-0.194	-0.651	-0.23	-0.205	-0.439	0.349	0.649	0.71	-0.068	0.152	-0.567	1.01	-0.064	-0.22	0.817	1.346	0.2365	-0.4715	0.07	-0.807	-0.714
ATP6V0A4	681594 || A	2.193	2.706	1.538	-1.707	-0.716	0.043	-1.784	0.864	-0.32	-0.258	1.134	0.894	-0.087	-0.883	-0.1	-0.043	0.25	0.448	-0.619	-1.157	-0.996	0.628	-0.958	-0.198	0.16	0.309	-1.894
ATP6V1B2	692368 || A	0.769	3.467	0.516	2.762	0.969	3.025	0.237	0.709	0.44	1.796	2.515	1.383	0.527	0.433	1.298	0.523	1.668	0.621	0.922	0.912	0.349	1.745	0.344	1.428	1.674	2.614	3.447
ATP6V1G1	696310 || A	0.317	0.742	-1.017	0.591	1.143	0.015	0.74	-0.158	0.3	0.01	1.033	-0.041	-0.857	0.145	0.054	-1.259	0.514	1.241	0.788	0.094	-0.275	-0.21	0.9105	0.2665	2.608	1.174	0.034
ATPIF1	692140 || A	0.798	-0.107	-1.511	0.126	0.562	-0.007	0.202	-1.348	0.28	-0.849	-0.054	-0.16	0.189	-0.59	-0.455	-1.964	0.013	0.092	0.144	0.333	-1.322	-1.227	-0.257	0.555	0.141	-1.218	-0.866
ATXN10	685606 || A	-0.4625	0.0485	-0.0805	-0.0095	0.2835	0.1625	-0.0645	1.058	0.32	0.6875	0.2485	-0.0565	0.7625	0.0095	0.3135	-0.1405	-0.1715	-0.1555	0.2025	-0.1525	-0.3595	-0.5615	-0.25	-0.453	-0.3925	0.7715	0.6985
B3GNT5	683718 || E	-0.571	-0.668	1.947	-0.27	0.16	-0.463	2.328	3.117	-0.72	1.584	-0.325	1.499	-0.247	-0.62	2.526	1.026	-0.315	0.776	-0.469	-0.141	-0.459	3.211	0.252	0.263	-0.523	0.151	-0.261
BACE2	697028 || E	0.674	-0.982	0.9	-1.325	-0.432	-1.198	-0.299	0.577	0.01	-0.613	0.558	0.462	0.082	0.095	0.465	0.262	-0.646	0.992	-0.262	-1.285	0.79	1.137	0.11	-0.22	-0.982	-0.503	-0.792
BAG1	689260 || E	0.412	-0.091	-1.759	1.025	1.923	1.163	-0.782	-1.732	1.13	-1.524	1.601	-2.124	-1.508	-0.041	-1.085	0.041	0.174	-1.161	2.585	0.216	-0.492	-1.653	-0.3835	1.26	0.477	0.782	-0.51

WO 2007/061876 PCT/US2006/044737

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
BIRC2	685336	-0.1325	-0.3775	0.7935	-0.1425	-0.4995	-0.2885	3.997	1.114	0.45	-1.027	-0.1125	-0.0265	-0.4865	0.0105	0.5285	-0.0115	-0.4705	-0.3475	0.2515	-0.0345	0.1045	0.5875	0.147	0.1	-0.2855	0.4625	-0.0105	-0.303	0.0275	0.0265	0.1595
BIRC5	687015	1.049	0.2395	0.5215	0.0475	-0.7005	-0.2405	2.289	2.47	-1.03	1.96	-0.5705	1.994	1.318	-0.9995	0.9535	-1.034	-0.1875	1.586	-0.0985	-0.7355	1.556	1.746	2.579	-0.558	0.3125	0.4145	-0.3085	-0.1445	-1.023	-0.0475	-0.2085
Bit1	685275	0.5935	0.2875	-0.0125	-0.0625	0.2965	-0.2595	-0.0625	0.6995	0.03	-0.1015	-0.4815	0.0005	1.004	-0.6415	0.5505	-0.9505	-0.3305	0.2935	0.0635	-0.5085	1.881	1.118	-0.508	0.1275	0.4375	-0.6625	0.2825	-0.3275	-0.0005	-0.5205	0.8225
BIVM	691116	-1.079	0.0215	1.202	-0.3785	-0.7585	-0.9115	0.0895	-0.2605	0.02	-0.4625	0.2235	0.0995	-0.0895	0.3775	1.291	-0.0215	-0.3935	-0.0655	0.1415	-1.253	-0.5095	0.4205	-1.832	-0.4105	0.2265	0.4155	0.3435	0.766	-0.2055	1.024	-0.0805
BLVRA	695027	0.034	0.369	-2.259	0.264	0.82	-0.332	-1.041	-1.605	0.08	-1.248	-0.22	-2.495	0.299	0.038	-0.825	-0.614	-0.5	0.149	0.063	0.203	-0.053	-1.145	0.1625	0.875	0.566	1.057	-0.203	0.0785	-1.136	0.599	0.308
BM039	692354	-2.4	-1.8	-3.773	-2.78	-2.738	-3.25	-1.516	-1.04	-0.32	-0.272	-2.979	-2.546	-1.773	-3.388	-1.428	-3.488	-2.849	-1.676	-3.056	-3.501	-2.385	-1.912	-2.931	-3.179	-3.045	-2.513	-3.334	-3.266	-2.763	-2.706	-3.111
BMP7	697100	1.072	1.064	0.911	-0.01	-0.398	0.07	1.072	1.276	-0.15	0.618	1.024	1.561	1.774	1.108	0.764	-0.396	0.633	1.718	0.01	-0.99	0.524	1.121	1.8375	-0.4765	0.102	1.504	-0.393	-0.274	-0.067	0.579	1.241
BOC	694925	-0.12	0.667	0.618	-0.532	-0.218	0.089	0.571	0.316	0.57	0.339	0.017	0.469	0.372	-0.169	1.262	-0.443	-0.192	0.304	-0.039	0.247	-0.237	0.555	0.1975	-0.4875	-0.571	-0.357	-0.017	-0.451	-0.382	-0.025	-0.036
BRCA1	691229	0	-0.371	0.12	0.51	-0.653	-0.08	0.83	0.12	-0.68	1.82	-0.458	0.752	0.484	-0.449	-1.15	-0.68	-0.633	1.694	0 07	-0.588	-0.12	0	-0.7015	-0.6855	0	-0.11	0.55	0.4855	0.07	0.168	0.07
BRF2	697749	-0.677	1.016	0.61	0.255	0.202	0.806	0.118	0.018	-0.1	0.682	0.52	1.621	0.111	0.472	0.537	0.054	-0.278	-0.77	-0.72	0.178	0.13	0.771	0.1	0.1845	0.342	0.932	0.65	0.2915	0.115	-0.05	-0.135
BRI3	694633	0.367	0.349	1.113	0.227	-0.352	0.339	1.206	0.95	-0.21	1.135	0.606	0.327	0.143	-0.203	0.266	0.164	0.106	0.101	0.447	0.035	0.269	-0.024	0.2895	-0.146	-0.112	0.267	-0.239	0.3445	0.189	0.228	-0.045
BRI3BP	685224	-0.0885	0.0855	0.5615	-0.1285	0.3545	-0.8245	-0.0925	0.1595	-0.68	-0.0975	0.0815	-0.4875	-0.0795	0.1645	1.228	-0.0735	-0.2695	-0.2595	0.2025	0.1625	-0.3285	0.4905	-0.502	-1.073	0.2235	0.7045	-0.3415	-0.6565	0.3025	0.1055	-0.3045
BSPRY	689357	0.5895	-0.6785	-0.8455	1.026	-0.6525	1.408	0.9585	-0.0245	0.32	-2.148	0.3205	-1.158	0.2345	0.9365	0.6955	-1.528	1.364	1.443	-0.0855	0.0615	-0.9235	-0.4895	-0.5055	-0.4415	0.2555	1.016	-0.1735	-0.3465	0.3265	-0.5055	0.0245
BTF3	686148	-0.378	-0.157	0.184	0.642	0.195	-0.191	-0.217	-0.306	0.42	-0.108	0.233	-1.506	0.004	-0.038	-0.607	0.115	0.093	-0.842	0.093	-0.143	-0.267	-0.772	-0.9595	-0.3765	1.043	0.707	0.531	0.574	0.534	-0.004	0.419
BTG3	681935	0.49	-0.719	0.215	-1.504	-0.259	0.044	0.701	2.078	-0.28	0.871	-0.046	1.627	-0.566	0.052	1.76	0.694	-0.423	0.947	-1.106	-0.379	-0.293	1.08	0.229	-1.226	-0.978	-0.044	0.88	-1.665	-0.15	-0.68	0.721
BTN2A2	685872	0.0828	-1.662	0.0658	-0.4062	1.354	0.3608	0.4538	-0.0303	-0.45	-2.194	-0.2422	0.0288	0.1438	-0.7142	1.069	-0.4412	-0.3842	0.6248	1.201	0.4778	0.2388	0.3908	-0.0288	-0.9592	0.0748	-0.6812	-1.059	-0.4657	-0.1052	-0.5402	0.1588
BUB1	682711	0.5365	0.7295	1.523	-0.6625	-0.2985	-0.5025	2.029	2.428	-1.24	1.689	0.0075	1.703	0.5335	0.1865	0.6655	-1.206	-0.0475	0.7055	-0.7335	-0.6105	-0.0075	0.5045	0.313	-0.7605	-0.4445	0.6365	-0.4255	-0.186	-1.197	-0.3405	0.4435
BUB3	683752	-0.0085	0.0085	-0.3915	0.0125	-0.2145	0.5695	-0.1725	-0.0215	-0.24	0.7755	0.7275	-0.2525	0.2795	0 8115	0.1635	-0.6125	1.122	0.4535	-0.0575	0.5595	-0.5165	-1.003	-0.888	-0.2995	0.1585	0.7055	1.158	-0.2835	0.0815	-0.3515	-0.2865
BXDC1	686690	0.648	-0.766	1.012	-0.281	-0.267	-0.182	0.144	0.403	-0.06	0.663	-0 79	0.697	1.112	-0 0741	0.729	-0.609	-0.338	0.494	-0.144	0.057	0.354	1.586	0.0995	0.9735	-0.313	0.349	-0.409	-1.005	-0.088	-0.509	-0.293
BZRP	682336	0.7895	0.1835	0.3685	0.4415	-0.3725	0.0385	0.3555	1.075	-0.4	-0.7285	-0.4705	0.9095	0.4215	0.6325	0.5325	-0.4515	0 0895	0.9545	-0.2055	0.0365	-0.1535	-0.1615	1.022	-0.6005	-0.8565	-0.0365	-0.0885	0.3135	-0.1455	-0.3405	-0.1085
BZW1	689146	0.19	0.2	-0.511	0.39	0.318	0.327	-0.623	-0.193	0.11	-0.13	0.613	-0.662	0 417	0.436	0.09	0.356	0.781	-0.271	-0.09	-0.403	-0.708	-0.973	-0.6525	-0.858	0.316	-0.235	-0.13	-0.387	0.928	-0.42	0.186
C10orf116	694348	3.541	3.615	2.311	3.161	0.644	3.618	-0.517	0.024	0.12	-0.072	3.711	0.389	2.969	3.03	0.545	3.185	3.845	1.628	1.128	3.176	2.82	0.102	1.6235	3.165	3.237	2.978	3.335	2.749	3.25	2.503	1.8
C10orf38	696429	-0.316	-0.262	2.471	-0.686	0.37	-0.898	0.554	1.218	0.33	-0.55	-0.569	0.89	-0.569	-0.692	0.951	0.523	-0.67	-0.074	-0.149	-0.823	0.07	1.506	-0.6515	-0.5005	-0.519	-0.334	-0.909	-0.8585	-0.265	-0.538	-0.014
C10orf4	682455	-0.189	-0.385	1.011	-0.757	-0.659	-1.052	-0.141	0.632	0.24	-0.18	-1.043	-0.606	-0.581	-0.125	0.95	-0.653	-0.722	0.166	-1.023	-0.95	-0.422	0.954	-0.3155	-0.8255	-0.676	0.125	-0.705	-1.1885	-1.323	-1.126	0.16
C10orf45	696197	0.513	0.78	-0.131	0.436	2.162	1.786	0.413	1.436	-0.94	-0.332	1.054	0.013	-0.685	0.276	-0.131	-0.404	0.493	1.214	4.51	0.039	0.889	1.823	0.434	0.8235	-0.335	1.427	0.593	0.808	0.548	0.891	1.406
C10orf7	688194	-0.31	-0.179	0.87	-0.155	0.48	-0.019	0.364	0.906	-0.07	0.282	-0.16	0.809	0.285	-0.007	1.393	-0.255	0.087	0.745	-0.088	-0.428	0.177	1.302	0.5555	-0.089	-0.199	0.564	-0.302	-0.4815	-0.041	-0.151	0.041
C10orf82	693231	-0.183	1.377	-0.671	1.237	-0.153	0.76	-0.251	-0.006	0.19	0.528	2.231	0.074	1.965	-0.051	-0.429	0.857	3.109	-0.127	-0.329	0.148	-0.153	-0.186	-0.336	-0.1155	1.247	2.37	1.036	-0.334	-0.4	1.567	0.099
C11orf24	694704	0.18	-0.49	-0.2	-0.28	0.128	-0.295	-0.364	-0.672	-0.38	-0.085	-0.214	0.471	-1.067	0.142	-0.09	-0.339	0.471	0.142	-0.468	-0.525	0.345	0.307	0.739	0.097	-0.953	-0.016	-0.493	-0.2765	0.272	-0.166	-0.144
C12orf14	692853	-0.546	-1.421	0.264	-1.325	-0.906	-1.037	-0.712	-1.042	-0.21	0.594	-1.952	-0.489	-0.356	-0.86	-0.662	-1.03	-0.948	-0.399	-1.361	-1.354	0.063	0.113	-0.545	-0.0105	-0.596	-0.935	-0.915	-0.8895	-0.734	-0.288	-0.701
C13orf21	697705	0.956	0.214	0.209	1.432	3.293	1.782	1.071	0.277	0.95	0.133	1.051	0.37	-0.485	0.1	0.46	0.934	1.316	-0.182	1.939	0.172	0.488	1.315	1.5345	1.3385	2.574	0.943	2.362	0.216	2.695	1.438	1.648
C13orf23	691314	0.1855	1.058	0.1605	-0.7525	0.0435	-1.117	0.3725	0.8005	-0.37	0.9235	-0.7175	0.0315	-0.4435	-0.0315	1.328	-1.11	-0.4595	-0.1585	-0.8625	-0.1715	0.4455	1.369	0.529	0.732	0.3355	0.9485	-0.2605	-0.5575	-0.6455	-0.3755	0.1235
C14orf94	694118	-0.5595	0.8975	-1.678	-0.5415	0.7595	-0.5195	-0.0085	-0.8595	0.05	-1.496	0.9255	0.0085	0.2955	-0.0805	-0.0325	-0.6855	0.7785	0.5315	0.4445	-0.4725	0.5295	1.151	0.538	-0.9385	0.5865	0.5065	-0.1775	-0.6505	-0.1805	0.8195	0.2405
C15orf23	681265	0.0155	0.8235	0.7275	-0.0155	0.2535	-0.2545	1.416	1.744	-0.46	2.09	0.2095	0.3935	0.6315	0.1255	0.9425	-1.209	-0.4345	0.6735	0.0475	-0.1595	-0.7415	-0.0895	0.126	-0.561	-0.4555	0.9505	-0.6835	-0.4735	-0.3865	-0.5745	-0.1275
C16orf45	772706	2.783	0.0285	-0.5365	-0.3625	-0.3415	-0.0905	0.2325	-0.5415	1.24	-0.3725	-0.0515	0.5965	0.1215	-0.1545	2.43	-0.5745	-0.0285	-0.1885	1.232	1.305	0.1535	0.1385	0.272	-0.117	1.446	0.1005	-0.2855	-0.415	-0.4175	0.0355	0.1255
C17orf37	686313	1.724	-0.5812	-0.9442	0.4508	0.0358	0.2288	-0.7702	0.3338	-0.4	-1.065	0.1088	0.2088	-0.1962	2.256	-0.5932	-0.6392	-0.6662	-0.3012	0.3058	0.0188	1.736	-0.4252	1.847	0.0878	0.6128	-0.5552	-0.2762	-0.0188	0.4928	-0.4002	2.317
C18orf1	684420	0.083	0.877	-0.364	0.006	-0.532	0.364	-0.199	-0.022	0.65	-1.665	-0.28	0.502	-0.832	0.135	-0.291	-0.07	1.797	-0.006	-1.158	0.113	-0.284	0.397	0.581	-0.7545	-0.326	0.088	0.903	0.5645	-0.436	-0.187	0.036
C19orf10	687290	-0.4105	-0.8875	2.95	-0.4975	-1.285	1.329	0.0405	0.2875	-0.34	-0.3265	0.7245	1.62	0.3525	-0.0955	-1.152	-0.0405	1.189	-0.7745	-0.9535	-0.3715	3.22	2.801	1.389	0.667	-0.6815	-0.7525	1.807	-0.5415	-1.299	1.653	1.598
C19orf32	697502	1.352	1.069	-0.875	0.992	0.428	1.274	-0.357	-0.856	0.79	0.145	1.105	-0.068	1.164	1.733	-0.791	-0.069	0.912	0.469	-0.096	2.281	-0.031	-0.006	1.4915	3.444	0.374	0.521	1.673	1.5535	1.654	0.678	0.711
C19orf33	693018	-1.003	1.255	-1.358	1.156	-0.93	1.433	-0.799	-0.701	0.53	-0.977	0.968	-1.296	0.603	-0.893	-0.727	-0.763	-1.649	-0.641	-0.118	-2.046	-0.834	-0.63	-0.6275	-1.0495	0.727	0.112	-1.229	-0.635	0.883	0.61	0.303
C1orf24	689493	-0.2845	0.0905	0.6395	1.249	0.5195	0.0225	-0.7825	-1.205	-0.26	-4.476	-0.0355	-0.5185	0.6055	-0.1175	-1.339	-1.371	-0.1355	-1.624	-0.3585	1.577	0.5065	-2.28	-0.2555	0.2875	0.7655	0.1485	0.8455	1.1	0.2635	0.3285	-0.2565
C1orf34	694566	0.581	2.5	-1.459	-0.603	0.347	2.755	0.033	0.208	0.79	-1.128	3.385	-0.353	1.53	0.018	-1.624	-0.208	2.409	-0.122	0.157	1.694	0.757	0.436	1.5795	0.269	0.962	0.811	2.774	0.4445	0.799	0.88	1.063
C20orf103	695553	1.358	3.33	0.668	1.795	2.213	0.552	0.826	-0.701	1.69	0.767	3.719	-0.022	1.217	1.844	0.241	2.018	1.813	-0.122	0.742	0.761	1.186	0.65	3.013	2.0255	1.129	2.311	1.79	1.7645	2.506	2.592	1.712
C20orf149	691805	0.2445	0.5675	-0.2525	0.0615	-0.0205	0.0985	-0.5205	-0.4845	-0.36	-0.4385	0.8825	0.0825	-0.5095	-0.3815	-1.351	-0.4645	1.034	-0.7325	-0.8675	0.0205	0.1885	0.0465	-0.323	0.0965	0.7825	1.142	0.2025	0.4305	-0.0545	0.3405	-0.1015
C20orf23	697940	-0.231	2.075	0.221	2.718	1.144	1.333	0.977	1.33	0.31	-1.136	2.008	0.136	1.33	1.769	0.225	0.559	2.08	-0.419	1.998	1.46	0.17	0.336	-0.576	1.2375	2.203	2.427	2.412	1.5685	2.078	1.747	1.566
C20orf3	685459	-0.608	0.263	-0.02	0.359	0.596	0.757	0.194	0.528	0.33	-0.369	0.326	0.155	-0.565	0.259	-0.627	-0.792	0.794	-0.861	0.484	0.811	0.259	-0.757	-0.1095	-0.6	-0.234	0.384	-0.254	-0.3465	0.02	-0.43	-0.343
C20orf35	693279	-0.667	1.143	0.582	-0.147	-0.255	-0.001	0.566	1.421	0.27	1.128	0.462	0.164	0.28	-0.42	0.474	-0.574	0.676	0.484	-0.3111	-0.504	-0.251	0.56	-0.843	-1.163	0.255	-0.203	0.001	0.496	-0.449	-0.31	0.296
C20orf43	687406	-0.1345	0.3645	0.0665	0.1045	-0.4175	0.2925	-0.2975	-0.2225	-0.05	1.389	1.215	-0.0185	0.2005	-0.2535	-0.0145	-0.5725	0.4735	0.2555	-0.2095	0.1415	-0.5635	0.2195	-0.1395	-0.865	0.2345	0.5775	-0.0195	0.0385	-0.1065	-0.0345	-0.1955
C20orf6	686651	-0.435	-0.116	1.032	-0.317	-0.945	-0.386	-0.657	0.678	0.02	0.461	-1.556	0.046	-0.118	-0.331	0.31	0.063	-0.376	-0.671	-0.287	-0.059	0.491	0.236	-0.7815	-0.471	0.117	0.51	0.706	0.3625	-0.046	0.242	0.41
C21orf45	681352	1.589	-0.165	-1.71	-1.305	0.619	-1.278	-0 024	-1.908	-0.78	-1.108	-0.96	-0.807	-0.524	-0.955	0.908	1.235	-1.163	-0.795	1.03	0.024	0.351	-0.878	-0.246	0.8535	0.58	-0.939	-1.376	-1.435	-1.255	-0.716	-0.799
C22orf18	681943	0.445	0.532	-0.645	-0.187	0.964	-0.306	0.358	1.704	-1.04	1.205	-0.022	1.251	0.112	-0.035	0.131	-1.253	-0.427	0.871	0.387	-0.577	0.229	0.362	0.519	-0.0445	-0.574	-0.122	-0.577	0.1575	-0.619	-1.069	0.022
C2F	687401	-0.25	0.404	2.372	0.154	-0.205	-0.015	-0.191	0.112	-0.12	1.813	-0.051	0.55	0.297	-0.336	-1.222	-0.317	0.161	-0.091	-0.077	0.194	-0.202	0.703	-0.174	0.2195	-0.187	0.505	-0.217	0.162	0.015	-0.269	-0.28
C2orf17	693373	0.532	-0.369	-0.271	0.705	0.614	1.119	0.175	-0.24	0.48	-0.298	1.007	1.169	-0.012	0.412	0.605	0.359	0.905	0.306	1.204	0.79	-0.014	0.152	0.604	0.6025	0.947	0.108	0.987	0.689	1.004	1.025	0.48
C4A	689714	-0.639	-1.303	-1.668	1.694	0.517	0.237	-1.518	-1.33	0.72	-1.461	0.139	-0.967	0.348	0.712	-0.618	-0.925	-0.09	-0.18	-0.284	0.163	-0.737	-0.377	-0.363	0.221	0.09	1.078	0.348	-0.38	0.803	0.167	0.358
C5orf13	694921	1.071	-0.542	0.191	-1.044	-1.427	-1.778	-0.455	-1.066	0.04	-0.853	-0.158	-1.625	-0.263	-0.112	-1.662	-1.035	-0.801	0.375	-1.193	-1.281	-0.634	-0.243	0.1595	-0.464	-1.108	0.743	-0.065	-0.841	-0.435	-0.15	-1.028
C6orf108	694989	-0.788	-0.158	0.787	-0.478	0.778	-0.401	0.098	-0.694	-0.39	-0.8	-0.382	-0.045	0.416	-0.901	-0.148	-0.875	-0.797	-0.607	-0.029	-1.87	-0.439	-0.469	-0.271	-0.524	-1.07	-0.75	-0.74	-0.441	0.146	-0.634	-0.545
C6orf166	694215	0.45	0.05	0.655	0.237	0.034	-0.143	0.468	0.041	-0.16	-0.243	0.047	1.033	0.18	-0.403	0.705	0.293	-0.092	0.49	-0.397	0.518	0.277	0.995	0.7865	0.3305	0.402	0.067	-0.231	-0.6335	0.334	0.132	0.707
C6orf192	691969	0.066	-2.172	0.808	-0.191	-0.123	-0.217	-0.034	-0.059	0.47	-0.118	-0.396	-0.361	0.467	0.841	1.306	0.612	-0.797	0.652	0.379	0.034	0.902	1.527	-0.5785	-0.061	-0.122	-0.644	0.175	-0.761	0.417	-0.169	0.578
C6orf211	692990	0.584	-1.251	1.204	-0.366	-0.895	-0.702	1.514	1.944	1.5	1.634	-0.683	0.028	0.889	0.136	1.204	-0.196	-0.748	0.705	-0.246	-0.884	0.414	-0.036	-0.9245	-0.5915	0.504	1.204	0.514	0.258	-0.356	-0.028	0.314
C6orf49	692808	-0.55	-0.696	-0.444	-0.351	-0.554	-0.576	-0.886	-0.598	-0.17	0.169	-0.869	0.111	-0.374	-0.51	-0.133	-1	-1.208	-0.571	-0.911	-0.69	-1.034	-0.231	-1.1035	-1.3135	-0.613	-0.134	-0.881	-0.78	-0.325	-1.034	-0.089
C6orf85	693055	1.341	-0.133	-0.466	-1.064	-0.804	1.553	-1.267	-2.196	0.79	-1.291	-0.565	-1.551	-1.144	1.33	-0.512	0.619	0.068	0.264	-0 14	0.634	1.518	-1.594	0.8765	0.827	-0.421	-0.332	0.729	-0.0475	0.252	-0.167	1.267
C7orf24	685020	0 9915	1.004	-0.2495	-0.5335	0.7125	-1.017	-0.0645	0.2655	-0.25	0.2795	0.3575	-0.3925	0.0195	0.9945	0.5775	-0.4475	-0.0785	1.496	-0.7295	-0.6885	0.5815	-0.0585	0.6445	-0.855	-0.9565	0.1265	0.3285	0.669	-0.9835	-0.6775	0.9305
C9orf10	682761	1.724	0.842	0.77	1.586	0.79	1.58	1.39	1.146	-0.32	-0.416	1.154	-0.235	1.679	0.762	0.713	0.148	0.05	1.404	0.703	-0.025	1.253	-0.59	0.726	-0.2095	1.182	0.49	1.817	0.051	1.643	0.197	1.791
C9orf121	692685	-2.095	-0.285	-2.23	-0.443	-1.051	-0.525	-1.422	-1.594	1.62	-1.586	1.291	-1.934	-0.37	-2.266	-2.122	-0.605	1.079	-1.696	-2.273	1.569	-2.417	-1.828	-0.8805	0.79	-0.864	-0.085	0.671	0.9965	-1.508	0.714	-1.275
C9orf58	686494	1.15	-0.6305	1.236	-2.076	-0.8995	-0.8965	3.25	0.8765	-0.22	2.528	0.0995	2.955	-0.4875	-0.6945	1.421	0.7125	-0.9565	1.937	-0.8365	-1.023	-0.5225	2.184	1.312	-0.0025	-0.3015	0.0775	-2.135	-1.06	-1.449	0.0595	0.9045
C9orf86	685307	-0.068	0.345	0.101	-0.195	0.556	-0.119	-0.302	0.131	-0.21	-0.324	-0.292	-0.545	-0.124	-0.196	-0.09	0.16	-0.334	-0.415	-0.007	-0.125	0.445	-0.115	0.233	-0.043	-0.1	-0.034	-0.121	0.0885	0.003	-0.38	0.027
C9orf9	696996	0.6155	-0.0075	0.3825	-0.6865	-0.2745	-0.3575	-0.1245	0.0435	-0.05	0.4575	-0.8925	0.7555	-0.2585	0.0845	-0.0805	-0.5005	0.3505	0.0735	-1.316	0 7675	0.5055	-0.4485	0.2385	0.2745	-1.107	0.6885	0.3575	0.4165	-1.168	0.0075	-0.2395
CA12	697341	1.233	1.186	-1.496	2.581	1.084	3.039	-1.422	-0.795	0.59	1.835	2.611	-1.369	1.146	0.285	-1.15	1.595	3.19	-0.102	1.69	3.291	0.229	-1.075	-0.3475	1.7605	2.306	3.246	1.945	2.307	0.145	1.938	0.18
CA8	681755	1.068	-0.0195	-0.4715	1.714	0.1865	-0.1105	0.0195	2.09	0.79	-0.8595	0.3535	2.126	-0.7825	1.612	1.37	-0.3055	0.8355	-0.6905	-0.3195	0.9815	-0.2865	-0.1185	-0.328	-0.4615	-0.5745	-0.8925	1.552	0.668	1.094	-0.1205	-0.2545
CA8	683844	0.8145	0.3925	-0.5415	1.346	0.4145	-0.4555	-0.2155	2.384	0.64	-1.661	0.0445	2.199	-0.8515	1.217	1.515	-0.1655	0.8975	-1.016	-0.7535	0.7085	-0.4425	-0.6825	-1.14	-1.305	-0.8535	-1.27	1.352	0.591	0.7875	-0.0445	-0.3445
CACNA1G	697482	0.421	0.134	0	-0.044	0.309	-0.023	-0.598	-0.012	-0.02	0.188	-0.066	-0.057	-0.205	-0.366	-0.158	0	0.209	-0.009	0.2994	-0.177	0.491	0.147	0.527	1.348	-0.085	0.253	0.054	0.0935	0.166	0.097	0.139
CALCA	686738	-0.12	-0.009	1.377	-0.071	-0.085	0.348	-0.013	0.102	-0.18	0.116	0.185	0.342	-0.062	-0.087	0.12	-0.165	-0.048	-0.037	0.13	-0.222	0.118	0.061	1.433	0.0305	-0.132	0.382	0.281	0.009	-0.084	0.136	-0.035
CALML4	685502	-0.3535	-0.1675	0.4635	-1.095	1.48	-0.4515	0.0585	0.4025	-0.01	-0.0625	-0.4715	0.8415	-0.6005	0.2835	0.6025	0.5765	-0.4175	0.0755	-0.4935	1.265	0.1585	1.253	0.937	2.06	-0.3395	-0.6995	-0.7835	-0.469	-0.5885	-0.7115	1.674
CALML5	685121	4.238	0.85	0	0.803	-0.623	0.063	1.307	1.751	-0.34	-0.646	-0.396	-0.476	-0.745	0.551	2.728	-0.267	-0.401	3.238	-0.2828	-0.411	3.985	-0.564	2.481	0.115	-0.311	-0.198	0.45	-0.647	-0.646	0.507	3.125
CaMKIINal	691045	-0.4	0.732	-1.616	0.376	-1.223	0.593	-0.843	-2.093	1.41	-1.361	0.84	-0.816	1.176	1.222	-1.812	-0.129	0.607	-0.684	-0.006	0.015	0.019	-0.635	-1.052	-0.612	1.209	0.006	0.576	0.8025	-0.033	1.185	0.446
CAP2	693946	-0.779	0.774	1.165	-0.303	-1.003	1.461	-0.158	-0.178	1.05	-0.469	1.766	0.434	0.

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	582376	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.859	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
CBR4	697391	-0.575	-1.474	-1.577	-0.795	-0.843	-0.181	-1.03	-0.966	0.37	-0.811	-0.833	-0.941	1.057	0.428	-0.384	-0.932	-0.318	0.866	-0.126	0.752	-0.736	-0.215	0.2805	-0.1895	-0.009	-0.352	0.072	-0.4935	0.127	-0.686	0.238
CCL24	681864	-0.013	0.09	0.238	-0.005	0.463	0.047	-0.139	-0.106	0.15	-0.323	0.092	-0.116	-0.3	-0.02	-0.139	0.291	0.074	0.044	0.065	-0.085	0.526	-0.018	0.504	0.4265	-0.228	-0.23	0.048	0.2075	-0.107	0.005	-0.111
CCL28	685513	2.981	-0.453	-2.854	-0.027	-0.131	-0.132	-0.943	0.655	0.34	-2.235	-1.016	1.275	-1.331	0.11	2.488	1.671	-0.665	1.217	-0.122	0.792	-1.118	4.034	0.2605	1.185	1.667	0.248	-1.349	-1.384	-0.969	0.22	2.778
CCNB2	694924	-1.171	0.553	-1.049	-0.462	-0.998	-0.233	-0.404	-0.057	-0.78	0.097	-0.249	-0.358	-0.956	-0.391	-0.554	-0.619	-0.287	0.029	0.097	-0.107	-0.359	-1.001	-0.697	-1.0085	-1.379	-1.124	-0.377	-0.13	-0.734	-0.793	-1.021
CCND1	689117	0	0.329	0.684	0.972	1.019	0.388	-2.428	-2.605	-0.49	-1.252	-0.325	-2.387	2.609	-0.069	0.516	-0.012	0.597	-1.878	0.677	0.487	-1.085	-1.311	-0.102	0.526	2.428	-0.149	0.212	-0.563	1.658	-0.0805	-0.914
CCNE1	685647	0.2988	-0.1122	1.805	-0.7812	0.2888	0.1118	3.452	1.272	-0.74	4.09	-0.2792	3.026	0.7768	0.2098	0.3508	-0.0813	-0.1662	1.224	-0.2332	-0.7842	-0.0153	1.357	1.118	0.4468	-0.2332	-0.1932	-0.6242	0.0153	-0.6912	-0.2312	-0.0453
CCNG2	686672	-0.9365	0.5265	-0.4275	0.7445	-0.5725	0.9125	-1.086	0.2105	0.89	-0.6555	1.361	-0.6435	-0.5545	0.6375	-0.7325	0.1515	0.4855	-1.205	-0.1365	0.1365	-0.2815	-1.433	-1.062	-0.7755	0.9325	0.3845	1.461	0.549	-0.9695	-0.1655	0.3805
CCNH	688140	-0.6995	-1.165	1.927	0.3545	0.2155	0.6185	1.991	-0.1385	-0.01	-0.4695	0.1205	0.6715	-0.3965	-0.3175	1.382	-0.1875	-0.2475	-0.4235	0.0925	0.5195	0.3495	0.1805	0.0035	-0.0035	0.4545	-1.017	-0.2315	-0.017	0.1025	-0.5205	-0.2355
CD38	691273	1.626	-0.539	-1.1	-0.567	0.911	0.105	0.517	-0.066	-0.61	-0.468	0.156	0.425	0.638	0.208	2.428	-0.168	-0.559	0.136	0.534	0.482	-0.098	-0.027	0.027	-0.4135	0.322	-0.488	-0.77	-0.7915	-1.36	-0.865	0.185
CD3D	696702	-1.517	-3.339	-3.816	-3.427	-2.101	-3.083	-1.61	-3.517	-0.1	-3.526	-2.222	-2.781	-2.311	-2.866	-1.537	-1.041	-2.571	-1.96	-2.195	-2.8	-2.101	-2.622	-1.917	-3.1555	-2.486	-2.772	-2.04	-3.3125	-3.186	-3.182	-1.799
CD4	691128	1.359	-0.138	-0.214	-0.35	0.405	-0.254	0.002	-0.344	-0.39	-0.33	0.119	0.434	0.05	-0.045	1.114	-0.015	-0.036	-0.137	0.479	0.428	0.275	0.108	0.9325	0.4185	0.222	0.063	-0.217	-0.002	-0.19	0.181	-0.236
CD58	695421	-0.488	-1.939	-1.424	-0.734	-1.204	-1.166	-0.3998	-0.686	0	-1.502	-1.124	-0.711	-0.321	-0.658	0.375	-1.304	-1.51	-0.586	-1.525	-1.316	-0.527	-0.142	-1.4935	-1.0995	-0.408	-0.231	-0.558	-1.5845	-0.72	-1.236	-0.336
CD59	682450	-0.2545	-0.3655	-0.6185	0.8465	0.3225	0.3685	-1.018	1.546	0.57	-1.062	0.2585	-0.0285	-1.244	-0.5615	0.9505	0.2065	0.2785	-0.4395	1.134	0.2495	-1.269	0.4595	-0.9665	-0.8475	-0.3265	0.9355	-0.0005	-1.401	2.685	-0.4015	0.0005
CDC2	694849	-1.786	-3.107	-1.147	-2.334	-3.271	-3.057	-1.731	0.302	-1.18	-0.665	-2.731	-1.895	-1.883	-2.04	-1.598	-4.226	-2.8	-1.583	-0.575	-2.706	-2.259	-2.192	-3.225	-3.1295	-2.316	-1.203	-2.498	-2.726	-3.333	-2.999	-1.899
CDC6	693742	0.382	-2.827	-2.804	-2.483	-2.669	-2.897	-1.961	-1.37	-0.73	-0.107	-3.316	-1.731	-1.543	0.658	-1.45	-3.418	-3.475	-0.523	-2.751	-3.045	0.601	-1.673	-2.9005	-2.7335	-2.89	-2.851	-2.762	-2.7075	-2.741	-2.745	-2.992
CDCA1	693999	-1.957	-0.275	-0.346	-2.503	-1.061	-3.157	0.497	0.759	-0.98	-0.988	-2.677	-0.691	-0.553	-1.984	-0.293	-3.18	-2.368	-1.567	-2.986	-2.966	-2.274	-1.793	-1.623	-2.1815	-0.796	-1.982	-2.514	-2.2725	-3.56	-1.872	-1.84
CDCA5	696784	-1.351	-1.791	-0.845	-2.941	-2.442	-2.038	-0.149	-0.298	-1.18	0.097	-2.336	-0.759	-1.752	-2.317	-0.778	-4.174	-1.368	-0.583	-2.61	-3.384	-1.491	-0.992	-1.377	-3.4315	-2.551	-1.237	-3.009	-2.424	-3.403	-2.737	-1.658
CDCA7	686991	1.048	1.718	-1.07	-1.101	-0.761	0.34	-0.034	-2.661	-0.04	-0.221	-0.725	0.299	-0.002	0.454	-2.281	-0.8	0.785	0.54	-0.86	0.002	1.045	0.298	0.187	0.5375	-1.841	0.855	0.708	-1.994	-1.052	1.955	-0.07
CDH1	693949	0.988	3.655	0.5	0.769	2.139	1.053	0.532	1.402	0.28	0.586	1.408	0.698	2.098	0.395	1.085	-0.268	-2.208	1.722	1.498	0.927	1.09	1.056	0.421	-0.461	2.344	2.101	0.909	-3.2125	0.753	1.94	1.076
CDH3	689567	0.1065	-0.6695	0.3055	-1.215	-2.044	0.0915	2.283	2.532	1.66	-0.7535	-0.6575	1.535	-0.0915	1.034	0.2975	0.4405	-0.5505	2.17	-0.4405	-1.527	0.5745	1.736	1.166	-1.009	-0.1065	0.5095	-0.9195	-1.232	-2.25	-0.1425	0.1565
CDK2	690323	-0.0835	0.0915	-0.5355	-0.5385	-0.7835	0.3585	0.6265	0.4155	0.02	1.05	-0.8025	0.3965	-0.9725	-0.9685	-1.081	-1.66	-0.0125	1.146	-0.6125	0.0015	0.4365	0.7785	0.6115	0.445	0.0295	0.1105	-0.0435	0.3765	-0.6695	0.2435	-0.1235
CDKN2A	692881	0.48	-0.701	0.005	-0.185	0.29	-0.011	0.58	1.512	-0.7	-1.197	0.399	0.349	0.293	0.158	-0.717	-0.025	0.07	1.653	0.327	-0.769	0.265	1.39	0.875	-0.278	-0.321	-0.71	-0.986	-0.4	-0.056	-0.113	-0.78
CDKN2D	682687	0.105	-0.672	-0.796	0.977	0.475	-0.015	2.584	1.556	-0.48	-0.715	-0.272	-0.37	0.662	-0.706	0.764	-0.163	0.023	0.104	0.119	-0.59	-0.549	0.401	0.8575	0.35	1.191	0.092	-0.554	-0.2905	0.015	-0.207	-0.628
CDKN3	684517	1.155	0.0225	0.6125	-0.2165	-0.5145	-0.3395	1.094	1.792	-0.5	2.701	-0.2945	-0.1895	1.179	0.8025	0.7235	-1.447	0.2375	0.3815	-0.3115	-0.6405	0.5175	0.0035	-0.089	-0.7515	-0.1665	1.084	0.2915	-0.403	-0.4645	-0.2875	0.0435
CDT1	686706	0.9685	0.8445	0.9075	-0.5445	0.4155	-0.5295	1.168	1.949	-1	2.745	-0.7125	1.089	0.6985	0.0485	1.638	-1.324	-0.2495	1.401	-0.2975	-1.184	1.511	0.7715	0.7245	-0.1295	-0.0485	-0.0875	-0.6755	-0.2585	-0.1555	1.393	-0.2735
CEBPG	688002	-0.5215	0.8205	0.7785	0.4055	0.3205	-0.5085	0.4745	0.4505	-0.2	-0.4875	-0.0345	-0.6875	0.0545	-0.2165	0.6595	0.3525	-0.1475	-0.5465	0.2885	-0.0155	0.0155	0.8375	1.171	-0.455	-0.2345	-0.3085	-0.7985	0.1625	0.2755	-0.3285	0.2025
CELSR1	666084	-0.4545	1.457	-2.011	1.319	0.0355	0.9605	-1.17	-0.0005	1.38	-0.0545	0.2825	-1.277	0.1255	-0.4705	-1.464	-1.159	0.0005	-1.057	-0.8105	0.9365	0.2335	-1.752	-1.444	-0.4375	0.4265	1.476	0.7565	0.918	0.4665	0.2805	-0.6655
CENPA	697624	-0.957	-1.205	-0.237	-1.471	-1.733	-1.145	0.251	0.008	-0.87	0.313	-1.879	-0.317	-0.875	-1.279	-0.32	-1.483	-1.091	-0.569	-2.247	-2.225	-1.356	-0.558	-1.135	-1.5445	-1.631	-1.162	-2.035	-1.899	-2.022	-0.874	-1.268
CENPE	683395	0.6663	0.5663	1.579	-0.4887	0.3323	-0.6337	1.905	1.663	-0.73	2.758	-0.6307	1.366	0.6473	2.041	2.555	-0.6567	-0.8897	0.9613	-0.6587	-0.9677	0.0553	1.019	-0.0843	0.0338	-0.1387	-0.0338	-0.6837	-0.2702	-1.272	-0.4197	0.5623
CENPF	691312	0.668	-0.207	1.9	-0.087	-1.298	-1.14	2.718	2.703	-0.69	0.786	-0.835	1.774	1.058	0.661	2.108	-1.475	-0.265	1.242	-0.899	0.149	0.214	1.002	0.6815	-0.531	-1.073	0.087	-0.31	-0.1645	-1.404	-0.189	0.357
CENTG3	687661	0.326	-0.087	-0.152	0.656	1.072	0.073	0.25	-0.565	0.43	-0.277	-0.094	0.378	-0.081	0.181	-0.073	0.325	-0.194	-0.494	0.319	-0.194	-0.433	-0.304	0.4435	1.246	0.487	0.274	-0.167	-0.163	0.146	0.288	-0.109
CES2	697031	-0.717	0.314	-1.005	-0.565	1.121	-0.119	-0.309	-1.038	0.17	-1.105	0.139	0.227	-0.16	-0.853	-1.119	-0.143	-0.117	-0.378	-0.028	-0.494	-0.183	-0.811	-0.319	0.6115	0.039	0.106	-0.613	-0.6725	0.056	-0.053	-0.351
CETN3	692233	-1.564	-0.647	-1.615	-0.99	-0.782	-0.77	-1.059	-0.493	-0.13	-0.065	-0.886	-1.672	-0.526	-1.568	-0.917	-1.615	-1.14	-1.082	0.027	-0.548	-1.673	-1.624	-1.557	-1.5355	-0.047	-0.618	-0.443	-1.0385	-0.7	-1.293	-0.566
CGA	693621	-2.334	-3.042	-2.787	3.033	2.423	2.195	-2.713	-2.271	0.01	2.446	-2.728	-3.023	-2.611	-3.22	-3.636	-2.841	-3.168	-2.38	4.665	-3.616	-2.148	-2.626	-3.148	-2.504	-2.688	-2.56	-3.473	-2.63	-2.458	-2.905	-3.138
CGI-12	683023	-0.449	0.614	0.672	-0.443	-0.355	0.933	0.997	0.215	0.15	-0.007	0	0.577	0.125	1.222	0.873	-0.347	0.137	0.124	-0.637	-0.484	0.579	-0.229	0.124	-0.828	-0.759	-0.1	-0.224	-0.5485	-0.491	-0.489	-0.102
CGI-48	693157	-1.749	-0.063	-1.223	-1.314	-1.344	-1.647	-1.658	0.415	0.03	0.038	-1.349	-1.632	-1.086	-1.749	-0.402	-1.897	-1.823	-1.513	-1.408	-1.502	-1.641	-1.577	-2.1075	-2.1685	-1.002	-1.325	-0.693	-1.2345	-1.248	-1.685	0.159
CGI-49	684734	-0.522	0.249	1.013	-0.106	-0.032	-0.503	0.07	0.416	0.91	0.742	-0.334	0.05	0.026	0.033	0.285	-0.844	-0.004	-0.14	-0.919	0.416	0.004	-0.538	-0.075	-0.534	-0.379	0.33	1.097	0.2505	-0.213	-0.289	0.136
CGN	688407	-2.238	1.398	0.1225	0.6815	1.625	0.5405	-1.313	-0.5195	0.39	-1.256	0.6595	0.2325	0.0745	-0.8675	-0.3585	0.4475	0.8515	-2.539	-0.0445	-0.0135	-1.108	0.8395	-0.117	-1.382	1.164	-0.0166	0.0135	0.84	-0.6515	0.1045	-0.5465
CGNL1	690560	0.2305	-1.182	0.4365	0.3375	-1.863	-0.3945	-1.697	0.6215	0.74	-3.081	0.5285	-1.086	0.6455	-1.532	-0.0075	0.6615	-0.5625	-0.9345	1.684	0.2235	-0.6085	-0.8295	-0.973	0.5665	-0.0855	0.0075	0.3655	0.5435	0.8445	0.6705	-0.2775
CHAF1B	682830	0	-0.366	0.44	-0.03	-0.434	-0.379	1.21	1.38	-0.67	1.6	-0.343	1.566	0.423	-0.384	1.82	-0.12	-0.327	1.68	-0.27	-0.645	0.54	1.55	-0.486	-0.0415	0.17	-0.06	0.68	0.22	-1.07	-0.099	0.29
CHC1	682220	1.047	-0.205	-1.126	-1.552	-0.528	0.22	1.709	0.565	0.01	-0.413	-0.213	1.141	0.271	0.6	0.45	-1.508	0.64	1.172	-0.686	-0.307	0.414	0.837	1.621	0.532	-0.636	0.012	-0.012	-0.279	-0.394	-0.285	0.105
CHCHD2	681919	0.0055	-0.2435	0.3045	0.1155	0.3505	-0.3385	-0.0055	-0.5105	-0.15	0.6045	-0.3695	-0.6255	0.8955	-0.1585	0.0565	-0.3985	-0.3415	0.4665	0.0405	-0.3375	-0.4235	0.4845	0.09	-0.717	0.3335	0.5945	-0.0945	-0.084	0.1455	-0.1115	0.1965
CHCHD5	686549	-0.0705	0.8725	-0.6115	0.1055	0.7895	0.8765	-0.7015	-0.4735	0.03	-0.2495	0.2245	-0.5605	0.0175	-0.2585	-1.157	-0.5315	0.4655	-0.3275	0.2495	0.3895	-0.2235	-0.7655	-0.077	0.779	0.4105	0.4835	0.3335	0.414	0.4475	0.7395	-0.0675
CHI3L1	689913	1.926	-0.862	3.326	-0.517	-1.014	-0.208	2.437	2.677	1.23	-0.677	0.136	3.357	-0.341	-0.032	1.471	-1.563	-0.004	0.545	1.372	-1.423	-1.109	0.814	-0.4695	-0.9945	0.163	-0.713	-0.862	0.0085	0.004	-0.03	1.146
CHI3L2	683767	-0.3245	-1.912	3.966	-1.331	1.666	-0.3845	1.148	3.925	-0.09	-2.073	-0.2675	4.971	0.5105	-1.049	2.531	0.4135	-0.8735	0.5935	-0.0855	1.118	-1.313	3.175	-1.603	0.51	0.3765	-0.8495	1.419	1.493	-0.4465	-0.9925	-0.8855
CHKA	689609	-0.0645	-0.4815	2.037	0.0415	-0.7155	0.1815	0.0155	0.0625	0.69	-0.2345	-1.129	0.8125	-0.4045	0.3605	-0.2005	0.2835	0.2005	-0.1205	0.0275	-0.0155	-0.0735	1.005	0.7255	0.1325	-0.4495	-0.0445	-0.4865	-0.259	-0.4545	0.0935	0.5695
CHODL	694845	0.572	-1.555	0.33	-2.056	-2.549	-0.906	-2.758	-2.965	0.12	3.058	0.024	-1.895	-3.517	-2.785	-2.94	-2.118	-1.888	-0.409	-2.75	-3.382	-1.33	-1.726	-0.8325	-1.782	-2.872	-2.079	-2.918	-1.6675	-2.222	-1.635	0.411
CHRDL2	686365	0	0.046	0.155	-0.0925	-0.094	0.747	-0.356	1.665	0.1	-0.018	0.592	-0.017	0.094	-0.532	-0.003	-0.004	-0.247	-0.105	-0.493	0.373	0	0.644	0.256	1.408	-0.037	-0.384	0.166	-0.515	0.271	-0.225	-0.084
CHST2	691695	0.0665	0.0925	0.1365	-0.2855	-0.0365	0.0185	-0.1015	0.5735	-0.24	-0.2485	0.1995	0.0875	-0.2895	-0.2175	0.1185	-0.0485	0.2345	-0.0185	-0.2715	-0.0695	0.2265	0.2055	0.7645	0.552	-0.2815	0.1665	-0.0845	0.1975	-0.2305	0.2085	-0.0355
CHURC1	684314	-0.044	0.419	-0.274	0.168	0.472	-0.163	-0.525	0.16	-0.22	0.89	0.148	-0.893	-0.189	-0.309	-0.212	-1.285	0.194	-0.581	-0.133	0.456	0.691	-0.379	-0.0965	0.5045	0.08	0.327	0.463	-0.051	0.174	0.044	-0.078
CIR	696941	0.68	0.632	0.612	0.652	0.653	0.949	0.375	-0.381	0.14	0.241	0.941	0.589	0.138	0.525	0.535	-0.174	0.521	0.386	0.603	0.99	0.577	0.261	0.7605	0.654	0.832	0.089	0.688	0.1385	0.548	0.518	0.587
CIRBP	685402	-0.503	0.164	-1.166	0.521	0.383	0.113	-0.802	-1.71	0.87	-0.804	0.428	-0.916	0.167	-0.602	-0.899	0.169	-0.019	-0.004	0.843	0.668	-0.603	-1.244	-1.118	-0.1625	0.004	-0.587	0.211	0.293	0.657	0.053	-0.568
CKLF	688221	-0.1775	0.4685	-1.151	-0.3175	0.4355	-0.9565	0.0945	0.9685	-0.39	-0.1145	0.2085	-0.0555	0.6165	-0.4545	0.2615	-0.8155	0.0185	0.7785	-0.0955	-0.4825	-0.1285	0.0205	0.0725	-0.0195	-0.0045	0.1835	0.0125	-0.356	0.0045	0.2755	-0.1525
CKLFSF6	681860	-0.407	-0.021	-0.846	-0.179	1.593	-0.64	-0.606	0.446	0.25	-0.567	0.116	-1.092	-0.388	-0.468	0.417	0.287	0.021	-0.781	-0.033	0.305	-0.139	-0.213	-0.688	0.024	0.618	0.492	-0.934	0.3405	0.224	0.478	0.188
CKLFSF7	694344	2.051	1.274	-1.115	-1.018	1.1	0.104	1.293	1.826	0.39	-1.165	0	-0.019	0.459	-0.017	2.19	-1.101	-0.643	0.67	0.464	-0.668	0.917	-0.015	0.7355	-0.576	0.276	1.752	-0.781	-1.24	-1.089	-0.415	1.303
CKNT1	692149	1.587	-0.531	0.382	1.92	-0.742	0.378	1.791	0.739	0.05	1.694	0.342	0.05	0.889	1.432	1.22	-0.759	0.027	1.343	0.704	-0.224	1.177	-0.226	1.773	-0.1725	0.817	-1.193	0.513	1.7515	2.334	0.741	1.572
CKS1B	696332	-1.804	-1.471	-0.752	-2.062	-2.013	-1.37	0.518	-0.135	-0.31	0.388	-1.766	-0.41	-0.773	-1.216	0.204	-1.944	-1.296	-0.853	-1.685	-1.3	-1.635	-1.511	-1.064	-2.3	-1.84	-1.165	-0.949	-1.462	-2.443	-1.228	-0.988
CKS2	691352	0.283	0.051	1.526	-0.3	0.408	-0.13	1.56	2.48	-1.26	1.762	-0.739	0.194	0.051	-0.457	1.159	-2.668	0.029	0.997	-0.029	-0.301	-0.487	0.293	-0.345	-0.6495	0.614	0.804	-0.937	0.379	-0.86	-0.763	-0.326
CL640	695106	-0.898	-0.29	-1.398	-1.395	-0.677	-0.881	0.052	0.46	-0.3	-0.757	-0.133	-0.834	-0.169	-1.31	0.312	-0.622	-0.431	0.297	-0.671	-1.184	-1.008	-0.255	-1.0715	-1.0785	-0.756	-0.345	-0.791	-0.909	-1.033	-1.34	-0.185
CLDN23	683062	0.194	0.1337	1.514	-1.279	-0.205	-0.342	3.05	1.596	0.36	0.717	0.06	0.688	-0.051	-0.984	0.805	-0.38	-0.668	-0.576	-1.177	-0.997	-0.202	1.72	0.4125	0.172	0.931	0.304	-0.268	-0.985	-1.423	0	0.467
CLDN3	686923	-0.5225	1.454	1.795	-0.7775	0.1405	1.529	-0.3765	0.3705	-0.92	-1.949	-2.487	0.7845	0.0245	-1.499	0.2695	-2.056	-0.1765	-0.4345	-1.503	-0.9145	0.4815	1.088	0.7465	0.378	0.3295	-0.9115	0.4095	-0.0245	-0.8425	0.8975	1.223
CLDN4	681712	-0.8355	-0.1085	0.7985	-0.0545	0.2535	0.5015	-0.0735	0.7405	-0.68	0.6885	-1.434	0.6865	-0.0475	-0.0445	0.0065	-0.4535	0.4105	-0.6325	-0.5075	-1.53	-0.0065	0.5815	0.6455	-1.006	0.2525	0.5775	0.5345	0.141	-2.337	0.9115	0.9755
CLDN8	695858	0.372	-0.675	1.439	1.505	-0.549	-0.144	0.248	0.26	1.08	0.07	0.107	0.57	-0.026	0.738	2.212	0.139	0.964	0.544	0.698	-0.17	-0.012	2.017	0.8345	0.361	0.653	0.779	0.587	0.217	0.017	-0.232	1.499
CLGN	691474	1.772	-1.737	-1.607	3.193	-0.1175	0.4255	-1.071	-0.6305	0.37	-2.312	-0.0315	-1.713	0.6745	-1.46	-0.1445	-1.766	-0.3925	1.277	-0.8075	0.7105	1.045	0.5705	0.626	-0.1935	0.2105	0.8265	0.0325	1.25	-1.801	-0.3995	3.383
CLIC6	692133	-0.274	0.213	0.13	0.229	0.135	3.694	-0.659	0.635	1.91	0.32	1.197	-0.746	-0.554	-0.293	2.798	-0.963	1.423	-1.11	-0.979	-0.23	0.074	-0.729	-0.004	1.901	2.901	-0.13	4.722	-0.437	-0.679	2.046	0
CLNS1A	693088	-1.5	0.836	0.725	-1.05	-0.507	-0.743	-0.995	-0.417	0.03	-0.681	-0.043	-0.423	-1.702	-0.522	0.025	1.06	-0.623	-1.06	-0.651	-0.771	-1.076	-1.227	-1.458	-1.0955	-0.933	-0.752	-1.074	-0.924	-0.711	-1.408	-0.96
CLTC	694429	-0.443	0.762	-1.251	-1.525	-0.326	-0.909	-1.043	0.289	-0.3	-0.836	-0.066	-0.566	0.204	-0.829	-0.171	-0.263	-0.291	-0.373	-0.651	-0.645	1.353	-0.257	-0.773	-1.106	0.726	-0.443	-0.267	-0.713	-0.522	-0.371	0.918
CLU	691705	0.5765	-0.8835	2.479	1.45	-0.8845	0.0185	-1.841	-0.7245	0.48	-1.901	0.6425	0.2215	-0.4995	-1.858	-0.5135	0.8665	0.5265	-0.4715	0.5475	0.0515	-1.166	2.588	-1.746	-0.0055	-0.4735	-0.8475	-0.2895	-0.7635	0.8475	0.0055	0.8855
CMAS	682207	-0.042	0.816	1.884	0.432	0.587	-0.475	-0.36	0.107	-0.27	0.647	-0.393	0.182	0.133	0.123	1.692	-0.427	-0.265	0.751	-0.05	-0.115	0.011	0.713	-0.6065	-1.337	0.371	-0.007	-0.275	-0.0625	0.007	0.493	-0.336
CML66	682090	-0.25	1.121	1.07	-0.48	-0.608	0.065	1.25	0.93	-0.52	0.78	-0.442	0.477	0.552	-0.195	1.26	0.09	-0.313	0.842	-0.22	-0.75	-0.1	-0.04	-0.404	-0.869	0.04	0.49	0.06	-0.26	-0.53	-1.067	0.7
CNIH	685679	0.2875	-0.8275	0.3385	0.2995	-0.5575	-0.7165	-0.6055	0.2485	-0.08	0.7075	0.1925	-1.412	0.8585	1.392	0.5315	-0.8955	-0.6635	-0.7375	0.0145	0.4305	-0.3495	-1.142	-1.403	-0.967	0.4515	0.1465	0.8305	-0.748	0.1715	-0.2935	-0.0145
CNOT10	686504	0.043	0.028	1.157	0.225	0.27	0.004	-0.027	-0.053	0.01	0.377	-0.88	-0.704	-0.507	-0.3	-0.239	-0.05	-0.206	-0.186	0.03	0.119	0.327	0.315	-0.0045	-0.1705	0.174	-0.216	0.16	-0.004	-0.036	-0.127	0.085
CNOT2	688501	0.2955	0.1975	-0.5125	-0.0395	0.0215	-0.0465	-0.2315	-0.2605	0.34	-0.7435	-0.0215	0.2255	-0.1725	-0.1505	0.4635	-0.1155	0.0925	-0.2075	-0.4315	0.3715	0.4225	0.7645	0.0795	0.55	0.0735	0.7965	-0.0595	-0.123	-0.1685	0.3245	0.0805
CNOT7	687730	-0.3705	-0.2185	0.9905	0.3145	0.1555	-0.5775	-0.0545	-0.0325	0.28	0.4755	0.7585	0.0455	0.0325	-0.8115	-0.2525	-0.2205	-0.0485	-0.8155	0.1245	0.3615	-0.1125	-0.0645	-0.2135	-0.2335	0.3955	0.0855	0.4175	0.2985	0.3025	-0.0575	-0.4665
CNP	684683	-0.369	-1.178	-0.722	-0.642	-0.464	-0.396	0.099	-1.269	0.14	-1.055	-1.389	-0.386	-1.195	-0.886	-0.992	-1.885	-1

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682376 || (	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.886	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
CORT	688126 || (	0.5285	-0.0476	-0.2555	0.1155	0.0285	0.4525	0.0305	-0.4275	-0.18	-0.2525	-0.2415	0.4495	0.2345	-0.4225	0.3395	-0.7105	0.0325	2.138	-0.2635	0.1815	0.1115	-0.0285	0.1295	0.479	0.1065	-0.8395	-0.2245	-0.33	0.4485	-0.2455	-0.4065
COX17	698533 || (	0.474	1.017	-0.639	0.867	1.187	0.43	-0.049	0.385	-0.59	0.511	0.056	0.427	-0.12	0.2	0.511	-0.656	0.275	0.711	1.304	0.394	0.008	0.49	0.3355	0.9745	1.246	0.715	-0.095	-0.1825	1.083	-0.042	1.54
COX5A	690776 || (	0.29	1.046	0.507	-0.03	0.051	-0.332	-0.117	0.306	-0.48	1.244	-0.11	-0.559	0.052	0.632	0.881	-0.979	-0.275	-0.391	0.112	-0.421	-0.251	0.198	-0.0495	-1.115	0.03	0.33	-0.28	-0.6325	0.156	-0.691	0.349
COX5A	693143 || (	-0.678	0.14	-0.429	-1.007	-0.683	-1.043	-1.153	-0.737	-0.45	0.29	-0.722	-1.328	-0.863	-0.26	-0.073	-2.086	-0.909	-0.793	-0.715	-1.325	-1.157	-0.882	-0.8455	-2.057	-1.07	-0.738	-1.265	-1.4645	-0.863	-1.657	-0.645
COX6A1	690654 || (	-0.2305	0.7275	-0.8495	0.0745	-0.0545	0.6795	-0.2785	0.1005	-0.46	-0.3245	0.3015	0.3455	-0.2445	-1.12	0.4505	-0.9205	0.1665	0.3495	0.2755	0.5945	-0.6965	-0.2725	-0.2335	-0.069	0.6495	0.0545	-0.5445	0.4175	-0.1005	-0.0785	0.2295
COX6C	685569 || (	-1.498	1.687	-0.7865	2.7	3.523	3.64	-0.4285	-0.8995	-0.24	-1.725	2.648	-0.3555	2.742	-0.5525	-0.7795	-1.808	1.316	-1.277	3.487	1.651	-1.392	-1.262	-0.3855	0.892	3.457	2.557	0.3555	-0.439	3.391	0.6465	-0.8235
COX7A2	697312 || (	-0.207	-0.583	0.172	0.012	0.086	-0.518	0.042	0.043	-0.44	-0.684	-0.416	0.338	0.216	-0.338	0.205	-1.334	-1.406	-0.014	-0.037	0.127	-0.284	-0.18	-0.0785	0.5865	0.826	-0.201	-0.664	-1.62	0.156	-0.404	0.603
CP	683747 || (	0.2635	-1.411	-0.0895	-0.4235	0.7025	0.4965	0.3425	0.5955	0.97	-0.4985	-0.0445	0.4305	0.2595	0.4625	0.9185	-0.6765	-0.6375	0.0925	0.6225	0.0265	-0.0265	-0.0415	-0.484	0.0475	-0.8445	-0.8685	-0.5285	-0.6125	0.3015	-1.02	-0.2575
CPAMD8	690973 || (	0.098	-1.218	-1.804	4.213	2.702	0.238	-0.733	-0.744	1.37	-0.388	0.214	-0.768	-0.985	1.907	-1.008	-0.126	-0.375	0.625	-0.037	0.206	-0.285	-0.142	0.576	0.037	-1.056	-0.061	3.166	3.845	2.207	0.499	2.051
CPB1	697093 || (	-1.077	-0.133	-0.413	0.673	2.946	0.983	0.229	-0.285	0.66	-2.449	-0.613	-0.225	1.882	-1.457	-1.706	0.513	0.429	-1.003	0.617	0.661	-0.612	-0.524	-0.342	0.4035	1.022	0.133	2.114	0.3125	-0.666	1.012	-0.678
CPEB3	683341 || (	0.0105	0.2765	-0.7825	0.8965	0.7705	-0.1355	-0.8095	-0.8255	0.4	-1.049	0.1875	-1.302	-0.9115	0.0005	-0.1065	-0.3475	0.0645	-0.7445	0.2985	0.3075	-0.2725	-0.5415	-1.118	-0.0995	0.8425	0.0875	0.8565	-0.0005	0.6465	-0.0405	0.5945
CPEB4	681364 || (	-1.711	0.244	1.798	-1.124	0.599	-0.059	1.228	0.113	-0.71	0.061	-1.255	0.659	0.637	-1.25	1.446	-0.068	-0.011	1.206	-0.446	-1.505	-0.133	0.011	-0.729	-0.349	-0.802	-1.932	1.172	0.026	-1.156	0.14	0.13
CPSF3	690199 || (	0.242	0.604	0.079	1.643	1.997	0.709	0.717	-0.201	0.04	1.266	0.86	-0.242	-0.121	0.3	1.4	0.694	0.838	-0.056	2.285	1.011	0.281	0.521	0.1565	1.3865	1.124	1.62	0.968	1.16	1.591	1.24	0.204
CRABP1	694973 || (	-0.068	-0.565	2.097	-0.407	-0.387	-0.12	-0.261	1.168	-0.05	-0.649	0.089	1.958	0.483	-0.586	0.293	0.255	0.568	0.993	0.473	0.032	0.401	-0.016	-0.163	-0.097	-0.362	-0.089	-0.163	-0.2425	0.757	-0.035	-0.376
CREB3L4	690183 || (	-2.32	-1.919	-1.46	-2.33	-1.636	-1.474	-1.14	-1.56	0.52	-0.36	-1.175	-0.466	-1.169	-1.908	-0.73	-0.94	-1.411	-2.371	-1.61	-1.891	-1.9	-1.08	-1.715	-2.167	-1.4	-0.94	-1.84	-1.676	-2.15	-2.257	-1.88
CRIP1	686560 || (	0.999	-0.113	-0.51	0.426	0.079	0.774	-2.421	-1.427	0.22	-0.354	0.704	-1.64	-0.786	-0.412	-2.455	-1.201	0.496	0.653	0.043	0.631	-0.304	-2.408	0.913	1.556	-0.812	0.292	0.097	-0.6455	0.141	0.916	0.216
CRYBB2	683857 || (	-0.084	0.812	-0.013	-0.318	0.064	0.826	1.198	-0.039	-0.46	-0.422	0.244	-0.02	-0.41	-0.277	0.37	0.939	0.013	1.595	0.844	-0.253	1.605	0.086	0.5425	1.017	-0.512	-0.544	-0.438	0.0565	0.928	-0.36	-0.425
CRYL1	692598 || (	0.084	-0.259	-1.416	-0.915	0.944	-0.253	-0.768	-0.562	-0.03	-0.668	0.152	-1.043	-0.659	0.277	-0.3	0.062	0.103	-0.353	0.589	0.232	-0.471	-0.88	-0.608	0.075	0.485	-0.175	-0.395	-0.1375	0.986	0.067	0.011
CRYZ	683831 || (	-1.439	0.0005	-0.5195	-0.1265	-0.1375	1.092	-0.0915	0.4175	0.41	-0.6205	0.0395	0.2595	-0.2795	-0.7985	1.176	0.3215	0.4625	0.7585	-0.7725	1.166	0.7095	-1.169	-0.69	-0.4945	0.1365	0.5695	0.7495	-0.273	-0.6155	-1.032	-0.0005
CSDA	681102 || (	0.0585	-0.0315	0.3015	-0.4235	-0.3135	-0.0465	0.6365	0.2465	0.41	1.135	-0.4915	0.8245	0.0455	-0.1755	-0.0655	-0.8075	0.6285	0.8245	-0.7915	-0.6265	-0.0985	0.4945	0.758	-0.191	-0.3835	0.3295	0.1655	0.079	-0.5975	0.4115	0.0315
CSE1L	693508 || (	-1.468	-1.295	-0.32	-1.551	-1.273	-2.315	-0.459	-0.797	-0.4	0.934	-0.146	-1.668	-1.147	-1.397	-0.777	-2.161	-0.933	-2.377	-2.035	-1.895	-1.684	-1.129	-1.147	-2.0965	-1.943	-0.625	-1.715	-1.2515	-1.714	-2.156	-1.614
CSK	693320 || (	1.99	0.169	0.099	0.182	0.606	0.143	0.135	0.034	-0.68	0.354	-0.008	0.582	0.189	0.303	1.215	0.314	0.249	0.449	0.205	0.262	0.805	0.423	0.5835	0.498	0.064	0.252	0.079	0.336	0.241	0.512	0.306
CSRP1	681588 || (	0.405	-0.052	-0.895	0.269	-0.134	-0.842	-0.308	0.294	0.88	0.223	-0.417	0.458	0.663	0.551	-0.334	0.021	-0.001	-0.299	-0.041	0.004	-0.056	-1.452	0.001	-0.9505	-0.092	0.219	0.417	-0.7305	0.321	0.289	-0.053
CSRP2	691158 || (	0.0765	-0.4495	2.209	-0.6815	-0.8735	0.5525	1.558	2.914	0.49	1.44	-0.0855	0.8725	-0.9775	0.2135	0.9395	0.8765	-0.0745	2.228	-0.3665	-0.4325	2.179	1.36	1.144	-0.4835	-0.7195	-0.2045	-0.6855	-1.075	0.0745	-0.1165	-0.2645
CST6	688329 || (	1.422	0.336	0.238	-1.245	-1.781	2.077	-0.558	-1.708	0.35	0.599	-1.562	-0.869	-0.188	0.861	-1.19	-0.97	2.042	-0.417	-1.445	1.698	0.677	1.442	1.213	-1.604	-0.522	0.562	1.054	-0.824	0.266	0.103	0.987
CST8	688630 || (	0.9905	-0.4045	-0.1425	-0.0625	-0.4465	0.4115	0.2285	1.738	-0.12	0.3925	0.2445	1.244	0.7865	-0.3405	0.6285	-1.191	-0.4695	1.666	-0.3155	0.4005	-0.5035	2.018	0.3585	-0.244	-0.3235	-0.0455	0.6175	-0.9545	-0.0055	-0.1515	0.0055
CTAG1B	685110 || (	-0.193	0.302	0.345	-0.18	0.617	0.296	-0.628	-0.921	0.24	-0.718	-0.299	0.117	0.158	0.408	-0.675	-0.735	-0.326	0.042	-0.549	0.142	0	-0.402	2.11	0.623	0.456	-0.957	-1.104	0.046	-0.13	0.638	-0.795
CTBP2	690880 || (	-0.139	-0.551	-0.079	0.045	0.085	0.012	-0.147	-0.523	0.13	-0.246	-0.055	-0.041	-0.441	-0.374	0.459	0.036	0.367	-0.445	-0.5	0.34	0.426	-0.466	0.1375	0.1085	-0.012	0.283	0.193	-0.12	0.107	0.538	0.03
CTNNA1	682257 || (	0.55	-0.309	-3.171	0.102	-0.856	0.542	0.025	-3.295	0.24	0.219	-0.054	-0.361	1.068	0.461	-0.137	-0.242	-0.025	0.14	-0.161	-0.082	0.352	-0.417	-0.507	-0.7735	-0.431	0.542	0.595	0.3225	-0.253	0.035	0.463
CTNNAL1	683652 || (	-1.421	-0.3565	-1.112	-0.3355	0.9045	0.0635	1.134	2.142	0.99	2.063	-0.2805	0.8715	0.2395	-0.8305	-0.4505	1.023	0.5355	0.7555	1.022	-0.2545	-0.2615	-0.2265	-0.572	-0.0795	0.8225	0.3425	-0.4195	-0.345	-0.2395	-0.0635	0.4855
CTNND2	692813 || (	-0.16	0.878	-0.494	0.047	-0.438	0.266	0.244	0.138	0.89	-1.246	0.826	0.332	0.544	-0.211	-0.352	-0.231	1.076	0.557	0.243	-0.462	-0.342	-0.06	-0.3595	-0.1565	1.142	0.584	0.12	0.73	-1.049	0.173	0.303
CTPS	688832 || (	0.641	0.273	-0.845	-0.32	0.541	-0.692	0.658	-0.413	-0.15	-0.821	0.067	-0.388	0.12	0.174	1.428	0.135	-0.128	0.062	-0.173	-0.194	0.725	0.21	-0.062	0.1855	0.303	0.375	-0.458	-0.5405	-0.74	-0.172	0.31
CTSL2	696809 || (	-1.342	-2.125	-0.547	-3.147	-2.725	-3.572	-0.627	0.409	-0.77	3.572	-2.468	0.661	-2.239	-3.192	-0.241	-3.2	-1.437	-1.564	-3.349	-3.181	-1.972	-0.835	-1.4935	-3.094	-2.976	-1.861	-2.901	-2.4545	-3.426	-3.012	-2.723
CTSS	686045 || (	2.02	-0.4505	-1.272	-0.2075	0.3565	-0.0855	-0.3655	0.5505	-0.96	-0.2865	0.7855	0.4135	0.0765	-0.0765	1.747	-0.3315	-0.6815	0.7065	0.3775	0.5025	0.3285	0.6695	-0.7335	-0.934	-0.1175	0.4065	-0.5725	0.077	-0.3895	-0.6305	0.7905
CTTN	690610 || (	-0.009	-0.118	0.178	-0.381	-0.2165	-0.847	-0.63	0.261	-0.35	0.76	-0.501	0.388	2.463	0.468	0.449	-1.348	0.466	-0.215	-0.481	0.144	-0.155	0.561	0.707	0.5855	-0.156	0.514	-0.152	-0.4775	-0.281	0	0.004
CX3CL1	762475 || (	0.053	2	3.532	0.862	3.14	1.93	1.865	3.454	0.67	-0.855	1.02	2.16	1.79	1.24	4.065	3.59	1.57	3.48	1.658	-0.03	2.156	4.336	4.5675	1.555	1.058	0.68	3.476	0.349	1.503	1.11	3.476
CXCL9	694763 || (	5.713	1.064	1.163	2.301	3.785	1.364	6.162	1.358	-1.61	0.801	4.173	3.489	4.958	4.282	6.083	3.031	4.374	2.939	4.879	2.024	5.016	3.599	3.6495	1.4145	4.887	4.927	2.821	1.9125	2.516	1.812	4.807
CXorf39	682198 || (	-0.3965	1.325	0.8595	-0.2925	0.0705	-0.0395	0.7335	0.7085	-0.59	0.0395	-0.0455	-0.4375	-0.9825	0.4945	0.3945	-0.9845	0.6755	0.2135	0.1195	0.0625	-0.4945	0.5975	-1.173	-0.938	-0.0945	0.4935	-0.1235	0.446	-0.1645	-0.2605	0.2915
CXXC4	684240 || (	0.2825	-1.43	-2.899	1.284	0.9305	-2.872	-0.4655	-2.015	0.69	-3.124	0.4285	-2.239	-2.986	-0.7605	0.0145	-0.0145	0.3535	0.4175	0.7485	-2.215	-1.551	-0.3475	-0.1335	-0.1315	1.571	0.8435	-2.266	0.633	0.7775	0.0745	0.4285
CYB5	690446 || (	0.373	-1.299	-0.312	0.872	1.354	0.696	-1.725	-1.637	0.47	-1.635	0.869	-1.97	-0.641	0.823	-0.809	-0.669	0.875	0.444	-0.056	0.911	-0.03	-1.765	-0.111	-0.84	0.03	1.335	1.184	1.336	0.045	-0.833	-0.183
CYB561	683867 || (	1.093	1.675	-1.202	0.543	0.025	0.548	-0.887	-0.679	-0.53	-0.572	-0.248	-0.276	0.665	-0.382	-1.901	-0.025	-0.356	0.133	-0.58	0.617	2.52	0.804	0.7995	-0.8505	1.443	-0.047	1.391	0.1685	-0.509	0.633	1.254
CYC1	683057 || (	1.469	-0.3725	-2.332	-1.394	0.1405	-0.0925	0.1455	-1.021	-0.72	-1.555	0.3275	-0.9825	0.7295	0.1105	1.134	-0.6785	-0.6465	1.237	0.3355	-0.6355	1.257	0.9745	0.8255	-0.3545	0.2745	-0.2975	-1.573	-2.481	0.0925	-1.247	0.1165
CYHR1	697209 || (	0.585	2.074	1.46	1.168	1.892	2.667	1.815	0.914	-0.04	0.192	0.611	2.07	0.324	0.569	-0.282	0.818	1.527	0.295	1.426	1.088	0.299	1.069	0.7955	0.969	1.073	0.908	1.317	1.025	1.163	1.168	0.89
CYP2A13	689236 || (	0.262	-0.108	-0.221	3.221	2.868	0.185	0.455	-0.259	-0.22	0.031	-0.314	-0.051	-0.085	-0.19	-0.609	-0.222	0.095	0.022	1.934	-0.263	0.293	0.095	0.244	1.645	2.79	-0.022	-0.299	-0.142	1.147	-0.022	-0.155
CYP4X1	681940 || (	-0.3317	-1.621	0.7853	3.181	-0.8897	1.524	-1.034	-0.2017	1.65	-1.391	0.7433	-1.532	-0.2977	1.815	-1.25	-1.11	0.3313	-1.267	-0.6697	3.196	2.319	0.0393	-0.0393	2.466	1.272	-0.9837	-1.017	1.685	1.463	-0.5567	1.053
D15Wsu75	684616 || (	2.312	1.687	-0.81	-0.046	-0.678	-0.176	-0.335	-0.988	0.27	-0.093	3.062	-0.853	2.702	-0.29	-0.769	-1.228	0.126	-0.261	0.263	1.406	0.18	-0.288	-0.512	4.215	0.574	3.249	0.046	-0.351	3.129	3.895	-0.066
DACH1	692995 || (	0.0635	0.0235	-0.2485	0.4775	-0.7655	-0.3825	-0.2595	-0.2405	1.07	1.287	-0.1315	-1.28	0.5935	-0.1575	-0.0235	-0.7635	0.1305	-0.5195	0.6695	0.3735	0.0835	-0.2945	-0.8105	-0.3995	0.3475	0.4925	0.5405	0.323	-0.0865	0.0805	-0.1985
DACH1	694269 || (	0.742	1.926	0.127	3.311	2.563	0.233	0.077	0.407	0.33	0.0416	1.635	0.201	1.814	0.214	-0.019	0.347	1.152	0.335	1.085	1.348	0.918	0.208	0.4585	0.86	3.522	3.21	0.827	0.8895	3.562	1.232	0.896
DACH1	697247 || (	1.002	2.13	0.012	3.591	2.412	0.198	-0.414	-0.064	1.25	-0.235	2.863	0.101	1.968	-0.31	-0.43	0.509	2.275	-0.374	2.641	1.981	0.162	-0.496	-0.1035	1.12	3.573	3.92	1.082	1.493	4.227	2.011	1.061
DAP3	689542 || (	-0.242	1.535	0.022	0.934	1.787	0.54	0.658	-0.295	0.03	-0.472	0.23	1.233	0.673	0.891	-0.037	0.443	0.533	-0.039	0.848	1.358	0.07	0.342	-0.2825	0.3355	0.612	0.401	1.016	0.42	0.506	0.76	0.468
DAPP1	681676 || (	-1.281	-1.369	0.265	-1.21	-1.155	-1.023	-0.8	-0.493	-0.87	-0.704	-1.651	-0.661	-0.885	-1.236	-0.336	-1.435	-1.233	-0.539	-1.278	-1.299	-0.908	-0.257	-1.5035	-1.277	-1.137	-1.427	-0.963	-0.841	-1.698	-0.807	-1.22
DAZAP2	686305 || (	-0.3725	0.6865	-1.197	-0.2115	-0.3995	0.6835	-0.5435	-0.8115	0.19	-1.96	0.8305	-0.3475	-0.8615	-0.0895	-0.2455	0.7095	0.2455	-0.4785	0.3455	0.2675	-0.2005	-0.7305	-0.157	-0.5555	0.3575	0.2275	0.0895	0.678	0.1155	0.1035	0.3295
DBI	687444 || (	1.022	0.8265	-0.1415	-0.2735	-0.4095	-0.2395	0.6975	1.529	-0.12	-0.2195	0.3415	1.349	-1.087	-0.0095	-0.6545	-0.4475	0.3055	0.2215	0.2935	-0.8865	-0.1045	-0.6905	0.0095	-0.37	-0.2835	0.6075	0.4085	0.266	0.0265	-0.1945	0.4465
DBN1	685238 || (	0.713	0.131	0.768	-0.25	-1.337	-0.25	0.574	0.245	0.04	-0.715	-0.312	-0.322	0.575	0.334	0.233	0.618	-0.148	-0.007	-0.857	-0.568	0.539	0.594	0.783	-0.743	-1.48	0.268	-0.67	-0.6295	-0.148	0.007	0.145
DC13	693725 || (	-1.52	-0.687	-1.31	-1.817	-1.486	-1.319	-0.33	0.411	-0.21	-0.656	-1.534	-0.537	-0.352	-1.502	-0.183	-2.009	-1.634	0.682	-0.772	-1.654	-1.643	-1.341	-1.443	-2.2565	-1.519	-1.339	-2.052	-2.1565	-1.371	-1.627	-1.402
DCPS	683983 || (	0.208	0.312	0.868	-0.08	0.508	0.079	0.097	-0.007	-0.49	0.192	-0.595	0.501	0.037	-0.228	0.094	-0.566	-0.306	0.191	-0.77	-0.165	0.459	0.936	0.066	-0.3445	-0.213	0.565	0.007	-0.2345	-0.27	-0.19	-0.048
DDHD2	683946 || (	-0.3635	0.4915	0.5875	0.4105	0.4645	0.2425	0.3115	0.1085	-0.09	-0.0765	-0.1775	0.3855	0.3035	0.9685	-0.0645	0.1645	-0.1035	-0.8185	-0.2495	-0.2945	-0.4305	0.3925	-0.54	-0.08	-0.2465	0.6835	0.0645	-0.2905	0.3295	-0.2086	-0.5595
DDX17	694961 || (	-0.325	-0.152	1.689	0.625	0.323	-0.052	-0.496	-0.103	-0.3	0.212	-0.67	-0.526	-0.158	0.531	0.299	0.08	-0.376	-0.347	-0.615	0.169	-0.392	-0.532	-0.858	-0.0355	-0.086	0.32	0.03	-0.029	-0.366	-0.361	-0.225
DDX39	681363 || (	0.3795	0.1245	0.6755	-0.2315	-0.3985	0.2135	1.043	-0.0755	-0.4	0.6765	-0.3185	-0.0325	0.3515	0.0485	0.2765	-0.4825	0.1255	0.9465	-0.1195	-0.5755	0.0985	0.7935	0.4545	-0.841	-0.0865	-0.6215	-0.8585	-0.2395	-0.7215	0.3275	0.0325
DDX48	695985 || (	-0.77	0.217	-0.657	-1.218	-1.439	-0.185	-0.698	0.188	-0.04	-0.123	-0.727	-0.571	-0.067	-0.713	-0.41	-1.526	-0.675	-0.25	-0.956	-0.66	-0.318	0.142	-1.1185	-1.4035	-0.186	0.121	-0.614	-0.439	-0.879	-0.202	-1.174
DDX58	691620 || (	-0.88	-0.195	-1.431	-1.222	0.974	-0.515	0.999	0.032	0.15	-1.087	0.881	-1.454	0.105	0.65	0.25	-0.447	0.002	0.927	0.163	-0.009	0.935	1.026	1.768	-0.002	0.78	-0.109	-1.106	-1.255	-0.975	-0.311	0.534
DEF6	682749 || (	0.068	-0.654	-0.854	-0.546	-0.384	-0.253	0.67	-0.356	0.27	-0.704	0.728	-0.026	0.598	-0.589	0.346	0.026	-0.134	0.177	-0.08	0.104	0.69	0.363	0.631	0.6695	0.104	-0.375	-0.767	-0.2735	-0.336	0.265	0.326
DEK	688515 || (	-0.004	-0.393	-0.389	0.636	-1	-0.197	1.337	1.278	0.05	0.789	-0.08	0.608	1.166	0.318	0.498	-1.49	0.421	1.85	-0.775	-0.496	-0.204	0.535	0.5575	-0.324	0.004	0.355	-0.332	-0.1915	-0.63	-0.838	0.945
DHCR7	694109 || (	-0.0975	-0.5875	0.9905	1.273	0.0155	0.4855	0.3605	-0.0565	-0.8	-0.0375	-0.3605	-0.7285	0.1295	0.3945	-0.1065	-0.5445	-0.6005	0.0825	1.157	0.9055	-0.0155	-1.147	-0.45	-1.163	-0.6595	0.3945	0.4795	-0.128	1.452	-0.5615	0.4185
DHRS7	682438 || (	-0.071	-0.202	-0.258	0.97	0.773	-0.244	0.099	0.38	-0.21	-0.587	1.157	-1.057	1.08	-0.001	0.409	-0.647	0.126	-1.295	-0.221	0.001	-0.631	-0.848	-1.464	-0.7505	0.68	0.409	0.002	0.053	0.463	-0.699	0.021
DHX57	686263 || (	-0.242	0.11	-0.203	0.018	0.003	0.697	0.058	0.208	-0.17	-1.484	-0.079	-0.852	-0.254	0.065	-0.303	-1.104	-0.311	-0.211	0.184	0.105	0.094	0.327	0.6665	-0.0925	0.347	0.394	-0.358	-0.701	0.013	-0.032	0.246
DIRC1	691337 || (	-0.295	-1.385	-1.83	-0.473	0.352	0.553	-1.124	0.306	0.68	-0.348	1.016	0.15	-0.17	0.333	-0.317	-1.418	-1.283	-0.061	-0.074	0.724	-0.051	0.236	-0.11	-0.166	0.237	0.196	0.447	0.5475	0.63	0.051	-0.78
dJ222E13.	689427 || (	2.96	0.898	-1.95	-0.87	-0.315	3.64	-1.876	-0.588	2.64	0.263	1.979	-0.504	-1.552	0.595	-2.129	-1.49	-0.733	2.464	2.705	-0.05	0.594	-1.422	1.93	1.581	-1.129	-1.055	0.601	-0.877	0.05	-1.69	1.95
DKFZP434	689930 || (	-0.178	0.092	-0.769	0.071	0.775	-0.006	0.227	-0.477	0.63	-0.75	-0.756	0.956	-0.995	-0.376	-0.167	-0.359	-0.085	0.751	0.299	0.006	-0.148	-0.383	0.1065	0.82	0.454	-0.191	0.083	-0.5205	0.851	0.527	-0.326
DKFZp434	689808 || (	-0.309	-0.658	1.825	-0.203	-0.859	0.111	1.576	2.045	0.16	-1.283	-0.056	1.015	-0.767	0.715	2.025	-0.775	-0.347	0.558	-0.332	0.601	0.392	1.688	0.6495	-0.214	-0.526	-1.322	0.803	-0.4305	0.073	-0.777	-0.27
DKFZP43	681071 || (	1.449	0.4035	-0.8765	-0.0085	0.2755	1.024	0.0085	-0.2685	-0.51	0.8845	-0.5755	0.4935	-0.2795	1.138	0.8575	-0.5155	0.3115	0.8255	-0.6115	-0.7485	0.8715	1.83	2.396	-0.103	-0.2025	-0.1655	-0.7375	-0.6105	0.0185	-0.5475	1.703
DKFZp434	683495 || (	0.4705	-0.4625	1.77	-0.5325	-0.1005	0.1505	1.03	0.6235	-0.51	-0.0595	0.3245	0.3295	0.6375	0.0025	1.376	-0.0155	0.0345	0.8745	-0.1525	-0.4985	-0.0025	0.5685	-0.1335	0.0235	-0.3415	-0.5025	-0.5805	0.0345	-0.9515	0.0905	-0.1775
DKFZP564	684976 || (	0.057	-1.542	0.799	-0.846	-1

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378 || /	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
DNMT1	681126 || [	0.5797	-0.7723	-0.8023	-0.2363	-0.1923	0.2157	-0.4693	-0.7463	0.15	-1.135	0.5007	0.3227	0.0188	-0.2543	0.0698	-0.3683	-0.0693	0.3027	0.1957	0.0508	0.3197	-0.2283	0.1967	0.5467	-0.8143	-0.7223	-0.3103	-0.0188	0.0528	0.1477	0.0298
DOX1	697175 || [	0.798	0.609	-1.166	-1.009	0.307	-0.8	-0.876	-0.688	-0.21	-0.741	0.215	-0.534	1.044	-0.596	0	-0.242	-1.095	0.207	-0.814	-0.848	-0.511	-0.647	-0.9885	-0.171	0.412	-0.989	-0.203	-0.6855	-1.383	-0.298	0.774
DSCR1	690367 || [	0.004	-1.3	-0.711	-1.297	-1.287	0.528	0.459	1.66	0.76	0	0.278	1.54	-0.977	-0.519	0.369	0.884	0	1.087	-0.574	-0.331	0.444	1.188	-0.6655	-0.947	-0.745	-0.12	0.09	-1.101	-0.395	0.512	1.084
DSCR1L2	685798 || [	-0.19	0.658	-0.745	0.205	-0.045	0.023	0.931	1.227	-0.35	-1.239	0.097	0.843	-0.225	-0.216	0.106	-0.174	0.244	-0.139	-0.8	0.287	-0.581	0.848	-0.279	0.0655	0.212	-0.444	0.262	0.36	-0.023	-0.347	0.072
DSP	695661 || [	-1.628	-1.03	-2.021	0.075	0.799	-0.59	-2.887	-2.723	0.92	-4.809	0.292	-3.213	-0.098	-0.622	-2.092	-0.533	0.379	-1.118	-0.806	0.386	-0.852	-2.051	-2.332	2.054	0.459	-0.134	0.732	0.033	-0.91	0.15	-1.301
DTYMK	692933 || [	-0.975	-0.965	0.021	-0.997	-1.908	-1.06	-0.203	0.424	-0.11	0.193	-1.204	-0.768	-0.817	-0.984	-0.466	-1.518	-0.687	-0.362	-1.34	-1.073	-1.11	-1.236	-0.6395	-1.5155	-1.527	-1.132	-0.976	-1.3305	-1.373	-1.127	-0.758
DUSP23	691997 || [	-0.9345	0.1045	-0.1475	0.0245	0.0615	0.4645	0.2215	-0.0785	0.51	-1.682	-0.4295	0.5835	0.0005	-0.6025	-0.4215	-0.3365	-0.1285	-0.7975	0.0945	0.3355	-0.0005	-0.0565	0.7685	0.768	-0.4105	-1.069	0.3005	0.2855	-0.4655	0.1145	0.0895
DUSP4	693976 || [	1.052	-0.043	-0.159	1.77	0.051	1.31	-0.447	-0.266	0	-0.4	1.285	-0.165	1.305	1.356	-0.18	-0.23	1.21	-0.049	1.229	0.372	1.721	0.396	0.227	1.8675	2.167	0.209	0.137	0.569	2.105	0.047	0.495
DUSP6	693200 || [	1.502	-0.909	-1.932	0.141	-0.909	-0.346	-1.066	-1.885	1.76	-1.596	-0.495	-1.874	1.263	0.744	-0.991	1.258	0.524	-0.74	-0.471	0.197	1.259	-0.25	-0.2305	-0.072	0.858	-0.513	0.925	1.031	0.65	-0.103	1.046
DVL1	682613 || [	-0.281	0.15	-0.412	0.404	0.753	0.568	-0.236	-0.022	0.33	-0.258	0.221	0.802	0.421	-0.076	-0.744	-0.706	-0.106	0.022	0.466	0.06	-0.415	-0.592	0.186	0.554	0.128	-0.872	-0.469	-0.7335	0.295	0.084	-0.82
DXYS155	694208 || [	1.101	0.401	-0.089	-0.148	0.511	0.241	0.427	-0.102	-0.09	0.085	0.231	0.335	0.043	0.277	0.875	-0.076	0.053	0.151	0.482	0.384	0.117	0.018	0.5805	0.5985	0.281	-0.058	-0.145	0.0545	0.089	0.028	0.416
DYRK4	697043 || [	0.785	0.816	2.159	0.097	0.895	0.337	0.485	0.894	-0.11	-0.6	0.104	0.94	0.167	1.123	0.728	0.275	0.648	-0.146	0.277	0.287	1.081	1.083	0.4005	0.517	0.447	0.314	0.459	0.735	0.405	0.53	0.454
e(y)2	695983 || [	-0.669	-0.157	-0.391	-1.13	-1.547	-0.088	0.606	0.063	-0.43	-0.178	-1.246	-0.321	0.308	-0.832	0.056	-1.337	-0.979	0.534	-1.028	-1.246	-0.737	0.189	-0.592	-0.914	-0.759	-0.29	-0.687	-0.9445	-0.692	-1.083	0.082
EAF2	690565 || [	-0.312	-0.383	0.436	-0.114	0.504	0.738	-0.349	-1.683	-0.36	-0.12	0.551	-0.558	0.039	-0.26	-0.008	0.078	0.775	-0.068	0.147	0.439	-0.842	-0.425	-0.1185	0.385	0.008	-0.707	0.535	0.141	0.096	-0.01	-0.528
EAP30	695304 || [	-0.74	0.484	-0.673	-0.645	-0.522	-0.27	-0.837	-0.234	-0.09	-0.317	-0.268	-0.254	-0.165	0.277	-0.574	-0.259	-0.558	-0.026	-0.246	-0.628	-0.522	-0.76	-0.114	-0.405	-0.824	-0.86	-0.246	-0.212	-0.317	-0.265	-0.323
ECHDC1	695068 || [	-1.128	-0.267	-0.814	-1.093	0.054	-0.22	-1.356	-0.047	0.48	-0.94	-0.415	-0.89	-1.945	-1.695	0.504	0.109	-1.354	-1.189	0.477	-0.197	1.442	0.47	0.0415	-1.504	0.501	-0.714	-1.542	-1.5885	-0.076	-0.635	0.01
ECHDC3	693484 || [	0.01	1.913	2.217	-0.817	2.533	1.978	1.16	1.333	0.02	2.079	1.258	1.41	0.938	0.8	1.285	0.605	1.358	1.153	1.837	0.264	-0.286	1.767	1.8565	0.381	-0.308	0.698	1.368	0.347	0.333	0	0.67
EEF1A2	696775 || [	-0.617	1.335	-1.099	-2.08	-0.719	-2.007	-2.374	-2.674	-0.56	-0.131	-1.213	-2.418	-0.927	-0.449	-2.553	-0.916	-0.245	-2.527	-0.411	-2.106	-1.248	-1.183	-0.9185	-1.5145	-1.388	0.019	-2.407	-2.535	-1.355	-0.91	-1.466
EFHC1	694066 || [	-0.918	0.121	-0.502	0.526	0.885	0.556	-0.592	-1.351	1.33	-1.541	0.69	-0.476	0.431	-0.515	-0.387	0.287	-0.057	-0.632	0.536	1.137	0.436	-0.544	-0.1875	1.2505	0.56	-0.117	0.663	0.06	0.305	-0.036	-0.101
EFNA4	687429 || [	2.2	0.681	0.323	1.81	1.016	2.191	0.2	1.463	-0.13	-1.041	2.212	0.744	1.404	2.102	2.207	0.727	1.238	1.89	1.795	1.68	1.986	1.253	1.9925	1.154	1.03	1.246	1.413	1.44	1.478	1.03	2.125
EFS	685583 || [	0.5675	1.18	-0.4105	-0.6195	-1.177	0.9405	-0.0575	1.06	0.43	0.5945	-1.267	1.284	0.4705	-0.1445	-0.5725	-0.2165	0.9045	1.098	-1.544	0.0215	0.0815	0.4396	0.4755	0.5755	-1.826	-0.5255	-0.0215	-0.7685	-0.5185	-0.4575	0.4055
EIF2C2	698794 || [	0.076	0.754	0.343	-0.551	-0.201	0.028	0.801	1.624	-0.73	0.546	-0.5	0.859	-0.107	-0.671	-1.199	0.114	-0.193	0.694	-0.638	-0.576	1.292	0.789	0.214	-0.3285	-0.519	-0.166	-0.173	-0.5615	-0.697	-0.611	0.218
EIF2C4	689728 || [	0.6255	0.0405	0.9055	-0.4345	-0.0955	-0.6985	1.466	2.576	0.39	1.536	-1.157	1.032	0.7225	-0.0405	1.056	-0.1845	-1.008	1.079	-0.5245	-1.145	0.1155	0.4955	0.087	-0.5555	-0.4845	0.1155	0.1555	-0.2855	-0.3245	-0.2515	0.5155
EIF4EBP1	683217 || [	-0.181	-0.895	2.648	-1.18	-0.914	-0.83	0.009	-0.151	-0.3	-0.525	-0.001	0.734	0.019	-1.411	-1.297	0.864	-0.298	-0.703	-0.577	0.656	-0.537	1.86	1.0445	0.12	-1.096	0.052	0.769	0.0165	-0.883	0.303	0.004
EIF4G1	692045 || [	0.8795	0.2575	-0.1195	0.5285	0.4125	0.0055	0.5815	-1.435	-0.16	-0.0055	-0.0735	-0.2805	-0.6085	-0.2515	-0.0075	-0.1355	0.0615	0.8865	0.4625	-0.3255	0.4505	-0.5355	0.2105	-0.0965	0.3355	0.3205	-0.7775	-0.2655	0.4595	0.0085	0.0065
EIF4G3	683768 || [	-0.258	-0.58	-0.957	0.523	0.182	-0.154	0.2	-0.678	0.33	-0.458	-0.392	-0.564	0.383	0.363	-0.58	-0.854	0.122	0.294	0.005	0.423	-0.005	-0.135	-0.294	-0.5375	0.496	-0.12	0.353	-0.6685	0.352	0.268	0.144
ELAC1	695486 || [	-1.605	-0.947	0.64	-1.001	-0.084	-0.18	0.46	-1.134	0.19	0.032	-0.453	0.52	-1.498	-1.382	1.252	-0.378	-1.029	-0.957	-0.259	-0.069	-1.397	-0.762	-0.0065	-0.434	-0.79	-1.182	0.195	-0.4635	-0.05	-0.535	-0.046
ELL2	684066 || [	0.8535	-0.9295	-1.933	1.464	-1.415	0.0575	-0.8225	-0.1875	-0.61	-0.5635	-0.2915	-1.478	1.116	1.309	1.359	-0.6585	-0.0575	-0.0785	-0.2555	1.886	0.3885	-0.1765	0.1865	-0.1555	-0.1775	0.6345	0.3155	1.002	1.406	0.4545	0.9525
ELL3	695507 || [	-0.1218	1.188	0.5092	-0.2708	0.1952	0.6332	1.192	1.133	-0.16	0.9062	-0.1058	0.8272	0.3332	-0.5918	0.1782	-0.8568	0.0813	0.0103	0.2112	-0.1498	-0.7278	-1.048	0.2832	-0.5408	-0.3078	-0.1209	-0.3958	-0.0103	0.0873	-0.8388	0.2282
ELOVL5	694593 || [	-0.832	-2.216	-0.815	0.978	-1.656	0.659	-1.012	-1.051	1	-0.322	0.923	-1.516	1.599	0.094	-0.953	-1.403	0.039	-0.287	-0.018	1.253	-0.459	-1.854	-1.467	-0.514	2.436	1.208	0.512	-0.065	1.51	-0.223	0.472
EN1	689084 || [	1.265	-0.0465	0.6955	-0.5135	-0.0655	0.1425	4.171	3.459	-0.67	0.6085	-0.3305	3.734	-0.2635	-0.0095	2.154	-0.2295	-0.4825	-0.4755	0.5695	0.3545	-0.0705	0.8455	0.885	-0.433	-0.2805	0.0095	-0.1535	-0.167	0.4075	0.2175	0.0385
ENAH	682255 || [	0.186	0.019	0.29	-0.42	-0.459	-1.811	-0.119	1.236	-0.19	-1.222	-0.572	0.487	-0.499	0.822	0.238	-0.019	-0.319	0.155	-1.163	0.598	-1.332	0.439	0.312	-0.8545	-0.232	0.381	1.105	0.4255	-0.889	-0.329	0.321
EPHX2	683128 || [	-1.052	-0.91	0.505	0.997	0.925	0.18	-0.824	-0.417	0.49	-1.301	-1.886	-0.966	-0.928	-0.315	0.933	-0.019	-0.158	-0.837	0.019	1.321	1.326	-1.272	-1.525	0.1675	1.037	0.573	1.567	0.803	1.332	-0.099	-0.21
EPLIN	687610 || [	-0.3575	0.7315	-2.213	-0.1725	-0.7255	-0.3315	-1.238	-1.434	0.72	0.3485	0.7655	-2.055	-0.6365	0.6145	-1.253	1.098	1.017	-0.6645	-0.3655	-0.2025	0.3695	-0.3155	-0.0585	-0.639	0.1795	1.221	0.3235	1.345	0.0585	0.6455	1.014
EPN3	691782 || [	-0.183	2.598	-1.203	0.71	1.232	-0.423	-1.214	0.152	-0.02	-0.161	0.05	0.516	-0.157	-0.029	-0.762	0.192	-0.173	0.492	-0.959	0.029	0.191	-0.315	-0.9085	-0.512	2.326	0.529	0.828	0.741	-0.321	0.212	0.541
EPOR	684991 || [	0.0025	-0.0435	-1.081	1.054	0.9365	1.906	-0.1585	-0.7305	1.24	-0.0675	0.3165	-0.7775	-0.0025	-0.7995	-0.1155	1.272	0.8425	-0.7365	-0.6555	1.212	-0.0715	-0.4675	0.6555	-0.0315	-0.5735	0.3235	1.469	1.569	-0.0525	1.506	0.1965
ERBB2	688427 || [	3.101	0.148	-0.733	0.78	0.252	0.36	-0.037	-0.32	0.96	-0.773	0.018	-0.018	-0.978	3.955	-1.586	-1.068	-0.167	-0.548	-0.14	-0.423	4.56	-1.249	4.415	1.13	1.358	-0.86	1.175	0.254	-0.515	1.077	3.685
ERP70	696269 || [	0.085	-1.413	-0.323	-1.04	-0.638	-1.127	0.145	-0.514	-0.06	0.629	-1.061	0.241	-0.179	0.71	-0.696	-2.074	-0.692	0.062	-0.721	-0.696	-0.161	-0.774	-1.2475	-1.6965	-0.599	0.01	-0.532	-0.3795	-0.894	-0.532	-0.843
ESR1	765041 || [	2.521	2.922	2.427	0.86	-2.369	3.048	0.089	1.733	2.497	1.172	0.678	1.211	1.518	1.387	1.799	0.765	0.095	1.51	-0.932	1.64	0.696	1.845	-0.033	0.8815	-0.385	1.218	1.838	1.231	0.993	1.372	0.766
ETFA	693087 || [	-0.261	-1.922	-2.058	-2.397	-2.046	-3.114	-1.414	-2.115	-0.05	-0.156	-1.907	-3.324	-1.316	-1.352	-1.825	-2.615	-1.752	-0.918	-1.798	-3.124	-1	-1.829	-0.9845	-2.0885	-1.662	-1.306	-1.297	-2.257	-1.874	-2.067	-0.713
ETV6	697286 || [	1.328	1.166	2.601	1.176	0.473	2.265	0.876	1.897	-0.34	0.691	0.899	2.268	0.899	1.803	2.568	0.668	1.459	1.533	1.502	0.835	1.614	2.864	1.269	1.134	0.841	1.349	1.039	1.221	0.697	1.505	1.348
EVER1	688220 || [	0.9895	0.3085	0.3935	-0.2055	-0.8265	-0.3875	0.2865	-0.2225	-0.85	-0.0825	-0.6205	0.7775	1.404	0.3695	0.2215	-0.0495	-0.9925	0.0495	-0.6445	-0.1715	1.922	0.8785	0.7175	-0.281	0.4585	0.2265	-1.39	-0.549	-0.0815	0.9245	0.2705
EXO1	689742 || [	-0.424	1.481	-1.218	-0.454	-0.525	1.012	-0.005	-0.205	-0.8	-0.411	0.737	-0.464	-0.079	-0.286	-0.145	0.017	0.693	0.164	1.149	0.646	0.005	-0.132	-0.201	0.1165	0.253	1.205	-0.409	0.0815	-0.651	0.186	-0.093
EXOSC9	691275 || [	0.229	0.064	-1.058	0.077	0.113	-0.319	-0.175	-0.403	-0.11	0.162	-0.25	-0.174	0.334	-1.085	0.241	-0.6	-0.112	0.958	-0.442	-0.511	-0.044	0.535	0.054	0.4585	0.044	0.274	-0.204	-0.5765	0.096	-0.391	0.22
EXT2	693031 || [	0.134	0.0032	0.548	-0.344	0.485	0.026	-0.05	1.053	0.33	0.923	0.526	0.125	-0.423	0.537	0.165	0.186	0.402	0.345	0.05	-1.078	0.265	0.934	-0.09	-0.1905	-0.019	0.45	0.042	-0.079	0.383	0.434	0.071
EZH2	689533 || [	0.549	-0.296	0.168	-0.678	-0.578	-0.545	0.434	-0.146	-0.52	-0.443	-0.361	-0.122	0.352	0.183	0.606	-1.041	-0.866	-0.151	-0.59	-0.798	-0.133	-0.324	-0.2305	-0.194	-0.046	0.084	-0.483	-0.5335	-0.33	-0.067	-0.164
F11R	684061 || [	1.289	0.591	0.113	0.619	0.714	0.935	-0.008	0.01	0.12	0.407	1.006	0.636	0.173	0.349	0.216	0.118	0.689	0.174	0.829	1.06	0.972	-0.106	0.9955	1.992	1.316	1.173	0.412	0.408	0.799	0.58	0.713
F9	682839 || [	-1.006	0.025	-0.566	0.609	-0.676	-0.116	-0.272	-0.387	0.13	-2.114	0.985	-1.117	-0.031	-1.35	-0.691	-0.331	0.577	0.199	1.521	0.49	-0.587	-0.439	0.036	0.5675	0.966	-0.025	0.562	0.75	1.433	-0.339	0.257
FA2H	688063 || [	2.98	1.843	-1.026	0.689	-0.069	-1.359	0.543	-0.759	-0.09	-1.876	0.614	-2.152	-0.383	0.069	-0.58	-0.608	-0.778	3.279	0.392	-0.831	2.375	-0.336	1.103	0.508	2.308	0.407	-0.502	0.121	-1.409	0.589	0.765
FABP7	694559 || [	-1.956	-1.792	1.785	-1.78	-1.187	-1.915	-2.005	3.405	1.35	-1.852	-2.609	4.104	-1.852	-1.832	1.657	-0.544	-2.649	-1.524	-1.389	-2.645	-1.556	4.58	-3.032	-1.942	-2.184	-2.207	-1.472	-2.021	-2.598	-1.605	-1.407
FADD	686191 || [	-0.199	0.394	-0.099	-0.156	0.214	-0.081	-0.203	-1.077	-0.08	0.29	0.368	0.423	2.543	-0.205	-0.004	1.133	0.739	-0.073	-0.056	-0.07	-0.083	0.23	0.5035	0.046	0.061	0.546	0.187	-0.2375	-0.172	-0.197	0.16
FAHD1	688442 || [	0.503	0.775	-0.274	0.414	0.869	2.045	0.001	-0.549	0.46	-0.228	0.767	0	-0.086	0.209	0.167	-0.727	-0.254	-0.369	0.577	0.299	-0.133	-0.192	-0.172	-0.055	0.003	-0.222	0.941	-0.337	-0.084	-0.485	0.702
FAHD2A	687860 || [	0.5245	0.0015	-0.2015	0.2015	-0.1995	0.0095	0.0975	0.5535	0.11	-0.2285	-0.3295	0.5635	-0.3105	0.3325	0.5425	-0.3105	-0.0565	0.2345	-0.1315	-0.2955	0.5165	-0.5185	0.1825	-0.4965	-0.3275	-0.0015	-0.3605	0.4035	0.2435	0.2885	-0.2715
FAM36A	683002 || [	0.11	0.033	0.342	0.633	-0.071	-0.203	-0.074	1.263	0.02	-0.364	-0.148	0.436	1.226	-0.307	-0.162	-0.709	-0.003	0.027	0.3	1.503	-0.666	-0.169	0.2415	0.4075	-0.359	-0.45	0.003	-0.717	0.036	-0.408	-0.469
FAM3A	695471 || [	-0.206	0.61	0.297	-0.108	0.041	-0.093	0.429	-0.468	-0.47	-0.096	-0.342	0.538	0.064	0.508	-0.45	0.415	0.131	0.19	-0.427	-0.076	0.138	-0.068	-0.0715	-0.07	1.821	-0.014	0.208	0.5115	-0.022	0.479	0.105
FAM3B	685659 || [	0.5095	-0.2545	2.321	-0.2825	-0.3775	-0.4015	0.4475	-0.3775	0.76	-0.0505	2.544	-0.6825	-0.0495	-0.7155	2.92	0.8135	0.0415	0.2715	-0.0595	-0.9605	-0.0415	0.4425	-0.936	0.282	4.064	3.852	-0.8665	0.342	-0.7385	0.6565	2.181
FAM3C	681623 || [	-0.149	0.242	0.025	0.052	0.493	-1.271	0.191	0.921	0	0.289	0.468	0.362	0.991	0.822	0.177	-0.827	0.024	-0.49	-0.793	-0.848	-0.663	-0.112	-0.4615	-1.101	-0.024	0.878	-0.227	-0.448	0.088	-0.378	-0.228
FAM46C	685310 || [	1.756	-0.1815	-0.8775	0.9235	0.0155	-0.5655	0.1635	-0.8005	-0.19	-1.313	-0.5375	-0.4555	-0.2645	-0.0155	1.02	-0.1475	0.9685	-0.1985	-0.5185	1.452	1.176	-0.5995	0.042	-0.6695	1.175	0.3055	-0.0425	0.5765	0.7195	0.5875	0.3605
FAM49B	692836 || [	-0.567	0.349	-0.734	-0.547	-1.435	-0.855	0.417	1.928	-0.8	0.045	-0.131	0.157	-0.413	0.346	0.851	-0.671	-0.285	-0.062	-0.808	-0.184	-0.913	-0.851	-1.3525	-1.802	-0.576	-0.459	-1.126	-0.0115	-1.158	-1.35	0.501
FAM54A	690964 || [	0.339	1.486	0.546	0.132	0.265	1.022	1.413	2.034	-1.21	0.627	-0.002	1.438	0.109	-0.636	0.476	0.193	0.678	0.064	-0.205	-0.241	-0.482	0.673	0.625	0.1445	0.134	0.49	0.274	0.281	0.067	-0.126	0.428
FANCA	685878 || [	0.185	0.467	0.475	-1.005	-0.05	-0.736	1.575	2.675	-1.03	0.085	-1.046	2.321	1.481	-0.577	2.355	-0.395	0.429	0.653	-0.095	-1.373	0.465	1.755	1.313	-0.083	0.045	0.645	-0.785	-0.3365	-0.895	-0.371	-0.045
FANCE	692746 || [	-1.085	-1.943	0.055	-1.896	-2.49	-1.855	-0.588	-0.344	0.28	0.859	-1.458	-0.515	-1.018	-1.243	-0.279	-1.282	-2.091	-0.538	-1.635	-1.869	-0.917	-0.316	-1.1335	-1.4485	-1.281	-1.441	-2.467	-1.6425	-2.494	-1.545	-1.207
FBL	682815 || [	-0.7515	0.1815	1.763	0.3025	-0.4645	0.0225	1.067	0.4365	0.32	0.4905	-0.6215	-0.9805	-0.3475	-0.3535	0.6855	0.3855	0.2255	-0.3435	-0.4065	-0.2315	0.3025	0.5025	0.476	-0.3715	-0.6035	-0.2005	0.2935	0.2965	-0.3405	-0.0225	-0.0985
FBP1	687231 || [	-0.1147	0.1393	0.1433	-0.7597	-0.5677	-0.4327	0.0783	0.7233	0.19	-1.607	0.4553	1.081	-0.7777	-0.6017	0.9223	0.6633	0.7763	-0.0668	-0.5117	-0.5787	0.7233	1.537	0.0668	-1.087	-0.7587	0.4873	-1.221	0.3888	-0.1527	-0.4407	0.4203
FBS1	683642 || [	-0.73	0.312	-0.376	-0.244	0.378	1.023	-0.197	-0.463	0.2	-0.93	0.02	0.359	0.081	-0.297	0.199	-0.551	-0.02	-0.5	-0.112	0.236	-0.201	0.178	-0.12	0.2055	0.19	0.105	0.458	-0.101	-0.271	0.769	0.096
FBXL20	696291 || [	-0.263	-0.209	0.177	-0.157	-0.547	-0.282	-0.021	0.283	-0.35	-0.101	-0.305	0.106	-0.248	-0.072	-0.09	-0.39	-0.174	-0.122	-0.156	-0.068	0.057	-0.149	1.9205	-0.0435	-0.32	-0.568	0.385	0.3695	0.031	-0.176	1.743
FBXO25	682373 || [	-0.326	-0.216	1.269	0.652	1.259	0.032	0.134	0.335	0.32	-0.79	-0.148	-1.091	-1.6	-0.458	-0.337	-0.385	-0.006	-1.113	0.7	0.006	0.098	0.084	-0.192	0.3875	0.409	-0.132	0.211	0.1015	0.167	-0.528	-0.636
FDXR	696354 || [	-0.999	0.121	-1.422	-0.023	-0.171	0.169	-1.476	-0.896	-0.43	-1.193	-0.205	-0.823	-0.673	-1.578	-0.521	0.054	-0.503	-0.286	0.12	-0.154	-0.684	-1.024	-0.4865	0.3045	1.28	-1.234	0.075	0.2155	-0.174	-0.034	-1.172
FEM1B	687319 || [	0.117	-0.473	-0.453	0.029	-0.264	-0.443	-0.179	-0.378	0.19	1.242	0.071	-0.843	-0.297	0.027	0.3	-0.447	0.387	-0.087	-0.662	-0.546	-0.351	-0.308	0.5115	-0.027	0.29	0.472	0.184	0.055	0.038	-0.134	0.445
FGF12	686589 || [	-0.2965	0.1855	-0.7455	-0.3325	1.351	-0.0475	-0.2875	0.0215	-0.07	-0.4985	0.2235	-0.1965	-0.1405	-0.3625	0.1165	-0.0435	1.427	-0.2525	-0.0325	0.1915	-0.1995	1.567	2.402	1.755	0.8435	0.6385	-0.5605	2.115	2.538	0.1115	-0.2255
FGF13	696768 || [	0.81	0.176	1.119	-1.025	-0.277	-0.611	0.999	2.23	0.28	0.106	0.131	1.306	0.765	-0.791	1.486	1.061	-0.365	-0.184	-0.106	-0.737	0.476	0.916	-0.327	-1.333	-0.404	0.536	-0.925	0.36	-0.756	-0.121	0.421
FHOD1	693567 || [	0.172	0.198	-1.138	-0.38	0.016	-0.248	-0.029	-0.933	0.05	-0.018	-0.596	0.09	0.994	0.03	-0.96	-0.163	-0.391	1.09	-0.116	-0.245	0.103	-0.354	0.3605	-0.098	-0.158	-0.123	-0.461	-0.896	-0.115	0.078	-0.332
FKBP11	694453 || [	0.4105	0.2475	-0.9825	-0.2015	-0.4115	-0.2645	-0.7475	0.4345	-0.26	0.7895	-0.4555	0.3295	-0.8305	-0.0445	-0.3155	-0.3445	0.0285	0.4705	-0.3805	-0.1545	0.0645	0.6015	0.319	0.1525	0.4605	0.1885	0.1035	-0.2415

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
FLJ11017	682528	0.629	-0.106	-0.566	-0.341	-0.283	-0.368	0.075	2.59	-0.09	-1.012	0.412	0.255	1.369	-0.272	1.621	0.829	0.175	0.151	0.688	-0.779	-0.595	0.595	0.625	0.1255	1.119	1.161	0.394	-0.0865	0.296	0.613	0.731
FLJ11088	689859	-0.024	0.365	1.948	1.463	-0.011	-0.123	-0.752	0.097	-0.02	-0.634	0.522	-0.32	0.291	-0.384	1.683	0.063	-0.177	-0.986	-0.165	0.68	-0.696	-0.719	-0.566	-0.045	0.949	0.06	0.011	-0.252	1.737	-0.285	0.329
FLJ11151	695680	0.017	-1.059	-0.128	-0.604	-1.528	-0.149	-0.047	-0.463	-0.29	-1.361	-0.684	-2.252	-0.333	-0.093	-1.317	-0.597	-0.72	0.033	-1.434	-0.757	-1.37	0.208	-0.8315	-1.7755	-1.205	-0.264	0.184	-1.2015	-0.813	-0.834	0.455
FLJ11267	688538	-0.2495	0.5275	0.0565	0.0005	0.0775	0.5555	0.1075	-0.1725	0.24	-0.7165	0.0365	0.8105	-0.6575	-0.2265	0.2215	-0.0725	0.0845	-0.2285	-0.1615	0.1485	-0.2625	-0.1165	-0.1185	0.119	-0.0005	-0.9355	-0.2505	0.068	0.0165	0.1935	-0.0015
FLJ11280	697294	0.053	1.202	0.536	1.666	1.722	1.529	0.443	-0.045	0.38	-0.778	1.475	0.629	1.643	-0.275	0.501	0.528	1.432	0.692	1.149	2.016	0.384	0.271	-0.1055	1.383	1.64	1.022	2.042	0.9075	1.368	1.964	0.331
FLJ11506	691255	-0.1865	0.0625	-0.7005	-0.3355	0.2555	0.6045	-0.1425	-0.1965	0.17	-0.0375	0.3065	-0.2795	-0.5615	-0.3545	-0.4855	-0.0005	0.7945	0.1275	0.2975	-0.0045	-0.0715	-0.0865	0.3575	0.136	0.4275	0.1185	-0.1695	-0.1085	0.1365	0.0445	0.1925
FLJ12270	690555	-0.4687	1.155	-0.1747	-0.6977	0.6603	0.0123	0.3463	0.3353	0.43	-0.0398	-0.2027	0.7573	0.3953	-0.6267	0.2203	0.4633	-0.0728	0.1203	0.0543	-0.4477	0.0123	0.0323	-0.0123	-1.171	0.2333	-0.1317	-0.0958	-0.5682	-0.1987	0.2133	-0.1247
FLJ12644	693818	-0.174	-0.751	0.715	-0.162	0.391	0.011	-0.142	-0.499	0.74	-0.428	1.331	-0.642	4.772	-0.436	1.138	0.797	-0.076	-0.334	-0.312	-0.221	-0.457	0.332	0.188	-0.118	-0.39	1.043	-0.074	-0.134	-0.166	0.043	0.447
FLJ12650	690008	-1.297	1.54	-1.689	3.138	-0.3295	-1.604	-1.739	-1.776	0.88	-1.451	1.964	-1.687	1.098	-2.064	-1.585	-0.0295	3.068	-1.406	-1.335	0.0295	-0.9905	0.1795	-0.6135	0.1735	0.4365	2.209	2.803	2.281	2.365	1.195	-1.748
FLJ12684	685216	0.247	0.066	0.167	0.104	-0.254	0.952	0.243	-0.298	0.04	3.319	1.06	0.325	-0.317	-0.08	1.715	-0.242	-0.378	-0.08	-0.438	-0.044	0.097	0.224	-0.0705	0.19	0.891	-0.257	-0.182	-0.1775	-0.112	-0.146	0.079
FLJ12735	697973	-0.4945	1.416	0.0325	-0.4555	-0.0325	0.9515	0.8965	1.338	-0.4	0.3725	-0.1425	0.8175	0.3445	-0.5735	-0.1515	-0.3785	0.3445	-0.5385	-0.0965	-0.2295	-0.8035	-0.0685	0.115	-0.8315	0.3445	0.2275	0.3325	0.0415	-0.3295	-0.2145	0.2905
FLJ12750	685360	1.834	0.8125	-0.5385	-0.2225	0.2285	-0.3075	0.5165	0.3095	-0.49	0.0865	-0.8665	1.991	-0.2085	-0.6225	0.0145	-0.0145	-0.2995	1.147	-0.0645	-0.0805	1.05	1.447	1.038	-0.2635	-0.3615	0.3375	0.0725	-0.069	-0.5865	0.1535	1.089
FLJ12895	683723	0.1365	-1.854	1.061	0.4725	-1.531	0.1955	-1.109	-0.6195	0.32	0.4205	0.7255	-0.9985	-0.4235	-1.771	-0.1155	0.3775	0.1055	-0.4645	-0.0135	0.0135	0.3785	0.2705	-0.432	-0.929	0.9235	0.9135	0.4305	-0.5575	-1.273	0.4625	-0.2845
FLJ13710	693274	-0.816	0.954	-2.5	2.22	2.258	1.672	-1.676	-0.233	2.21	-2.283	2.629	-1.125	0.789	-0.191	-1.52	0.727	1.577	-1.427	2.485	2.119	-0.595	0.023	-0.605	1.6505	3.289	2.095	1.944	1.4515	2.361	1.549	0.39
FLJ13855	681758	-0.216	0.946	-0.624	-0.12	-0.009	0.247	0.009	0.317	0.26	-0.178	0.289	-0.045	-0.397	1.003	0.245	0.02	0.071	-0.116	0.499	-0.125	-0.338	-0.072	0.524	-0.8795	0.117	-0.416	-0.168	0.16	-0.203	0.121	0.025
FLJ13912	696739	-2.134	-2.025	-2.159	-2.364	-2.148	-2.434	-0.315	-0.826	0.11	0.045	-2.315	-0.928	-1.378	-1.858	-0.163	-1.95	-2.53	0.16	-2.119	-2.887	-2.307	-0.955	-2.2415	-2.0385	-0.67	-0.935	-1.595	-1.978	-2.052	-1.459	-1.758
FLJ14124	691127	-0.478	0.418	0.608	0.068	0.336	-0.043	0.503	0.551	0.58	-0.43	-0.221	1.024	-0.011	0.181	0.883	-0.687	-0.168	0.011	-0.204	0.544	-0.107	-0.56	0.047	0.026	-0.672	-0.139	0.334	0.033	-0.465	-0.208	-0.021
FLJ14627	681398	-0.354	-0.451	1.218	0.233	0.621	-0.623	1.777	2.082	-0.73	-0.813	-0.705	1.595	0.83	-0.451	0.192	-0.913	0.428	0.377	-0.131	-0.296	-0.129	-0.019	0.1775	-0.0095	-0.352	0.263	-0.005	-0.448	0.16	0.174	0.005
FLJ14668	696627	-0.265	-0.757	-0.358	-1.159	-0.687	-1.085	0.441	-0.482	0.19	-0.609	-0.571	-0.207	-0.619	-0.444	0.474	-0.954	-0.842	-0.355	-0.68	-0.749	-0.765	-0.018	-0.2905	-0.4855	-0.559	-0.407	-1.221	-0.8655	-0.773	-0.721	-0.656
FLJ14904	687755	-0.0983	0.3557	0.0238	-0.1653	0.2737	0.3437	-0.1853	-0.1043	0.22	-0.2333	0.4557	0.0128	0.5147	-0.0853	-0.2293	-0.0123	0.2527	-0.0123	0.2697	0.0638	0.0568	-0.2023	2.278	0.0983	-0.3983	-0.2763	-0.2173	0.0123	-0.2513	-0.2363	-0.1833
FLJ20035	696171	-0.113	1.395	-0.016	0.208	2.679	0.077	1.794	0.667	-0.57	-0.376	2.511	0.111	1.651	1.459	2.172	0.494	1.708	2.234	1.359	0.62	0.817	1.35	1.0465	-0.53	2.784	1.859	1.607	0.5135	0.918	1.202	1.961
FLJ20152	694420	-0.339	2.096	-0.327	2.245	2.431	1.256	-1.176	-1.346	-0.35	-1.736	1.191	0.998	0.514	-1.871	-0.011	0.994	1.472	-1.157	1.697	2.011	-0.878	-1.012	-0.7995	0.5035	3.104	2.02	-0.896	1.7795	1.245	1.57	0.065
FLJ20171	695239	-0.995	0.549	-0.262	-0.095	-0.314	0.326	-0.019	-0.807	-0.6	-0.095	1.575	-1.002	-0.339	-1.266	-1.46	0.026	0.452	-0.799	0.86	0.126	-0.699	-0.558	-0.427	0.2185	0.83	0.228	0.219	1.166	1.424	0.019	-0.133
FLJ20244	684905	0.059	-0.872	1.024	-0.052	0.157	0.219	0.654	-0.306	0.06	0.184	-0.529	-0.286	-0.299	-0.306	0.265	0.186	0.107	0.156	-0.336	-0.115	0.293	0.804	0.406	-0.198	-0.125	-0.613	0.052	0.2815	-0.313	-0.061	-0.191
FLJ20273	683092	-0.041	0.149	-0.959	0.338	-0.043	0.101	-1.122	-0.201	0.33	0.92	-0.091	-1.664	0.169	0.624	-0.772	-1.373	0.287	-0.823	-1.086	-0.274	0.12	-0.667	-0.179	-1.501	0.041	0.784	1.282	0.6575	0.138	-0.168	1.198
FLJ20315	689446	-0.132	2.16	-0.175	-0.87	1.098	-0.123	-1.185	0.231	0.68	-1.034	1.103	-0.814	-0.878	0.149	-0.868	-0.155	1.484	0.625	1.378	-0.919	-0.934	1.431	-0.255	-0.258	2.013	0.948	0.123	0.991	-1.262	0.842	2.008
FLJ20323	697352	-0.394	0.18	0.058	0.608	1.046	-0.214	0.26	-0.056	0.74	0.674	0.638	-0.165	-0.068	-0.068	-0.507	0.161	0.257	-0.243	-0.436	0.177	-0.047	0.037	-0.423	-0.6115	0.38	1.268	0.328	1.075	-0.276	0.726	-0.248
FLJ20516	688292	-0.0435	-1.147	-0.2635	0.0195	-0.4115	-0.4125	0.4945	0.5155	-0.58	2.139	-0.7445	-0.0085	0.1695	-0.6355	0.5975	-1.338	-0.3625	0.8455	-0.4195	0.1575	0.0645	0.8645	0.0085	0.354	-0.6605	0.2345	0.4675	-0.407	-0.3695	-0.3945	0.0765
FLJ20530	681463	-0.437	1.134	0.699	-0.419	0.003	0.512	0.999	0.326	0.03	0.365	0.184	1.055	-0.113	0.504	0.074	-0.134	-0.245	0.107	-0.321	-0.003	1.764	-0.534	0.0135	-0.916	-0.268	-0.203	0.502	-0.4835	-0.452	-0.712	0.68
FLJ20696	684792	-0.266	-0.689	1.051	-0.534	-0.745	0.147	0.145	-0.819	0.63	-1.317	1.03	-0.566	0.787	-0.894	0.752	0.799	-0.841	-0.735	0.317	0.373	-0.034	0.133	-1.11	-0.4775	-0.036	-0.068	0.604	0.283	-0.763	0.034	0.463
FLJ20718	692255	1.575	-1.642	-1.812	0.681	1.45	-0.683	-1.163	0.014	-0.12	0.114	1.755	-1.524	-0.014	0.957	2.238	-2.138	-1.08	0.234	-0.445	-1.723	-0.849	0.655	-0.1405	-0.026	1.006	1.81	0.223	1.326	-0.497	-0.735	0.655
FLJ20772	688898	-0.53	0.945	0.284	-0.168	-0.695	1.045	0.57	0.856	-0.14	0.006	-0.454	0.23	-0.006	1.856	0.422	-0.108	0.079	0.865	-0.074	-0.13	2.371	-0.376	0.0515	-0.399	-0.746	-0.192	0.062	-0.1665	0.925	-0.053	0.458
FLJ20989	695210	-0.24	0.597	0.457	-0.128	-0.226	0.99	1.147	0.56	-0.13	0.248	-0.43	0.567	-0.218	-0.915	-0.389	0.069	0.166	-0.095	0.029	0.074	0.566	-0.17	0.161	-0.093	0.068	0.04	-0.098	-0.074	0.046	-0.004	0.224
FLJ21019	689334	-0.0335	-0.0635	-0.6245	0.4115	0.3215	0.1925	-0.2805	-0.2505	0.42	-0.7335	-0.1055	0.1685	-0.3955	-0.5455	-0.7725	0.1095	0.2185	0.5935	-0.1175	0.5285	-0.9315	-0.0155	0.519	0.125	0.4215	0.0155	0.3185	0.3265	-0.0755	1.03	-0.5475
FLJ21062	695900	-0.257	0.816	0.735	0.514	1.117	0.769	-0.122	0.48	0.88	-0.324	0.447	0.489	-0.239	0.284	0.024	0.242	0.929	-0.014	0.239	1.511	0.456	-0.334	0.6885	1.042	1.343	0.478	1.722	1.843	0.536	0.861	0.509
FLJ21159	688476	0.1055	-0.9915	0.1175	0.9825	2.868	0.3595	-1.566	-0.6875	0.42	-1.584	0.6265	0.3865	-1.928	-0.9035	0.5545	-0.5825	-0.9215	-0.0595	0.6815	-1.122	-0.7975	-0.2705	-0.5175	0.672	0.7665	-0.2475	0.6715	-1.777	0.9345	-0.5815	0.7145
FLJ21616	696280	-0.32	-0.666	1.457	0.681	-0.053	0.084	0.443	0.808	0.29	-1.198	-0.06	0.002	-0.115	-1.46	0.891	0.388	-0.085	-1.796	-1.566	1.335	0.429	0.201	-1.367	-0.295	-0.241	0.307	1.306	1.0425	0.351	0.32	-0.446
FLJ21827	683572	0.0115	-0.4035	0.5675	0.9115	0.3615	0.7135	-0.9765	-0.7935	0.89	-1.111	-0.3335	-1.179	-1.825	-0.4445	-0.7915	0.1365	-0.2205	-0.1545	1.102	0.6965	-0.0585	-0.0115	-0.654	0.5355	-0.2085	0.2505	0.0745	0.2075	0.9245	0.1255	-0.1525
FLJ21963	688106	0.724	0.419	0.304	-0.466	-0.493	-0.747	-0.126	0.764	0.95	0.374	-0.409	-0.201	0.23	-0.337	0.784	0.704	-0.004	0.974	-0.136	-0.641	0.484	0.844	-0.815	-0.28	-0.056	-0.206	0.004	0.7055	-0.486	0.105	0.354
FLJ22104	690673	-0.203	1.031	0.23	-0.38	2.028	1.056	-1.016	0.356	0.11	0.225	-0.38	-0.04	-0.353	0.574	-0.406	0.051	-0.038	-0.028	-0.16	0.028	-0.35	-0.569	-1.214	-0.4485	0.302	0.516	1.061	0.098	-0.302	-0.189	0.634
FLJ22222	694558	0.61	1.003	-0.284	0.632	0.205	-0.28	-0.451	1.078	-0.14	-0.004	0.349	1.113	-0.031	-1.16	0.042	-0.678	0.097	0.08	0.434	0.004	0.72	0.641	0.4005	0.097	1.075	-0.229	-0.107	0.797	1.473	0.175	-0.237
FLJ22573	683583	-1.195	-0.2558	-0.1528	-0.6398	-0.2248	-0.4858	0.6792	-0.0408	-0.68	-0.4038	0.1452	-0.2728	-0.4308	-0.5238	1.117	-0.0108	0.3952	1.075	0.4952	0.6412	0.6802	0.5612	0.0773	0.2712	-0.1558	-0.5928	-0.1258	0.0108	0.2512	0.2722	1.092
FLJ22794	692448	0.543	-0.723	-0.045	-0.066	0.107	0.441	-0.251	0.412	0.49	-2.263	0.278	-0.749	-0.659	0.933	0.321	-0.003	0.452	0.404	0.643	0.934	0.939	-0.205	0.5935	1.76	0.728	0.127	0.246	0.3045	-0.717	0.44	0.89
FLJ23186	692984	-0.04	2.681	0.572	0.394	0	-0.26	0.074	0.485	0.35	0.703	1.236	0.002	-0.76	-0.266	-0.212	0.167	0.802	-0.133	0.936	0.724	-0.157	-0.129	-0.4435	0.6575	2.603	1.481	-0.335	0.9715	-0.169	0.575	0.508
FLJ23441	698416	0.262	-0.509	-0.123	0.736	0.582	0.485	0.058	-0.079	-0.3	-0.007	1.125	0.406	0.343	0.677	0.255	0.246	0.784	0.233	0.543	1.515	-0.045	0.158	0.336	0.576	0.549	0.26	0.635	0.8525	0.809	0.693	0.405
FLJ25471	695557	-0.147	-0.406	0.432	-0.303	-0.053	-0.112	0.083	-0.55	-0.13	0.896	-0.667	-0.234	-0.346	-0.22	0.09	-2.007	-0.587	0.026	-1.011	-0.811	-0.223	0.297	0.9475	-0.8925	-1.216	0.245	-0.475	0.014	-0.892	-1.026	-0.587
FLJ31204	683963	-0.483	-0.155	1.227	0.341	0.814	1.132	-0.876	-0.072	0.67	-1.797	0.416	-2.614	0.27	-0.639	0.689	0.072	-0.273	-0.684	1.074	0.888	-0.863	-1.128	-0.757	-0.117	1.159	-0.125	0.411	-0.123	0.875	-0.924	0.111
FLJ31795	688302	-0.4205	-0.3635	-0.1185	-0.0255	-0.0085	-0.2985	0.0365	0.6445	0.11	1.38	-0.5365	0.2275	0.2945	-0.7275	0.0745	-0.3375	-0.8225	0.6115	-0.3665	-0.5375	-0.3865	0.4195	-0.865	-0.9255	0.3565	0.0815	0.7875	-0.1845	0.0065	0.0875	0.5325
FLJ32942	690691	0.086	0.226	-0.139	-0.085	0.256	0.347	0.001	-0.267	-0.25	0.84	-0.166	0.302	-0.001	0.028	-0.229	1.168	-0.191	-0.106	0.208	-0.192	0.458	0.119	-0.363	0.3925	-0.367	-0.381	-0.154	0.028	-0.156	0.338	-0.17
FLJ37970	697729	0.593	-1.559	0.215	-0.863	-0.6838	-1.59	-0.124	0.003	-0.31	-1.141	-1.035	0.569	-0.474	-0.366	0.584	0.294	-0.315	0.336	-1.021	-1.264	-0.415	0.786	-0.1165	-0.5005	-1.016	-0.446	-1.029	-1.623	-0.023	-1.028	0.028
FLJ39370	694709	1.836	1.026	-2.038	2.274	0.414	1.029	-0.805	-0.406	0.48	-1.763	1.212	-1.475	0.752	-1.019	0.475	1.216	1.098	1.079	0.162	1.781	0.091	1.172	-1.7935	2.2845	1.478	0.955	1.116	2.0705	0.816	0.594	0.427
FLJ90586	685670	-2.044	-0.951	1.5	1.566	0.488	-2.402	2.4	1.401	0.68	-1.341	-1.85	1.87	0.819	-1.565	0.388	0.782	-1.988	-2.148	-0.982	-1.325	-1.041	-1.944	0.043	-1.335	0.234	1.206	-0.043	-0.7335	-0.823	0.578	0.936
FN3KRP	695326	0.174	1.16	-0.186	0.095	-0.091	0.079	-0.388	-0.058	-0.17	0.128	-0.083	0.143	-0.15	-1.133	-0.38	-0.323	-0.521	-0.581	-0.403	-0.61	-0.393	0.968	-0.7095	-0.6625	0.482	-0.029	0.172	0.156	-0.409	0.251	-0.302
FOLR1	697855	-1.738	-1.88	-1.687	-2	-1.811	-1.323	-1.955	-0.705	0.14	-0.513	-1.657	0.826	-1.068	-0.3	-1.199	-0.214	-1.592	-1.927	-1.245	-1.97	-1.521	0.251	-1.7245	-1.4215	-1.983	-2.615	-2.278	-1.968	-2.45	-1.134	1.553
FOXA1	692889	1.99	2.045	-3.9	3.12	2.665	1.527	-4.24	-3	0.83	-4.04	1.583	-4.398	1.428	2.116	-3.51	0.51	1.605	1.547	2.72	2.608	2.37	-3.19	0.6095	1.864	3.55	2.65	2.65	2.4265	3.38	2.148	1.8
FOXC1	772435	0.408	-1.27	3.614	-1.075	-1.37	-0.71	2.223	1.438	0.35	-1.125	-1.27	2.87	-0.55	-1.33	2.368	0.6762	-0.41	-0.71	0.008	-0.78	-0.076	3.622	-1.12	-0.42	-1.078	-1.304	-1.761	-1.22	0.074	0.3	-0.276
FOXP1	692043	-0.017	0.294	-1.296	-0.025	-0.726	-0.352	-1.076	-0.805	0.33	-1.826	0.049	-1.929	-0.928	0.221	-1.513	0.512	0.77	-0.148	-0.637	0.891	1.119	-0.447	1.285	1.276	0.001	-0.364	-0.001	1.043	0.302	0.656	0.203
FREQ	683314	-0.4622	0.2368	0.7408	-0.6532	0.2048	-0.4812	1.803	1.596	-0.71	1.527	-0.8412	0.4978	0.5028	0.3248	1.261	-1.042	-0.0223	0.6058	-0.2912	-0.6682	0.4098	0.4698	0.0223	-0.5502	0.4438	0.5858	-0.5352	-0.8367	-0.3322	-0.6632	-0.0233
FTO	693312	0.369	0.427	-0.478	1.282	2.741	-0.442	-0.119	-0.237	1.22	-0.16	1.524	1.207	1.545	0.139	0.04	0.399	0.16	0.884	1.977	-0.115	-0.174	-0.069	0.317	-0.4205	0.622	0.447	-0.071	0.0355	1.94	0.844	0.491
FUBP1	690423	-0.567	-0.532	-1.089	-0.434	-0.776	-0.758	0.175	0.868	-0.32	0.679	-0.579	0.531	0.094	-0.216	0.602	-0.647	-0.094	0.368	0.643	0.32	-0.232	0.42	-0.9265	-0.7235	0.637	0.845	0.486	-0.5035	0.176	-0.301	0.424
FUCA1	691254	0.5155	-0.1175	-0.6075	1.093	1.549	-0.0985	-0.0825	-0.5695	-0.14	-0.4265	0.5995	-0.6595	-0.5595	0.1705	-0.9275	-0.0085	0.3025	-0.0215	0.0545	0.9035	-0.3615	-1.34	-0.1935	0.0085	0.8175	0.2305	0.6295	0.967	0.7445	-0.3725	0.2335
FUT8	695197	0.436	0.479	-2.239	-0.748	-0.923	0.929	-1.134	-1.054	0.95	0.654	1.534	-1.317	0.376	-0.311	-0.868	-0.381	0.051	-0.437	0.193	0.968	-0.052	-0.576	-0.806	0.624	0.63	0.537	0.621	0.0735	0.358	0.796	-0.398
FXYD6	687048	0.0475	0.0575	0.3965	-0.0755	-0.6995	-0.2335	0.2815	-0.9155	0.82	-0.9055	0.0225	0.4045	-0.6785	-1.004	-0.1305	0.5065	0.0515	-0.5595	-0.0225	-0.8395	0.1295	1.287	1.2	0.7475	-0.2065	0.1815	-0.1155	-0.4125	-0.1855	0.3355	0.3945
FYCO1	691750	0.022	0.088	-1.033	0.427	0.393	-0.632	-0.871	-1.076	0.86	-1.192	-0.022	-1.54	-0.614	0.285	-0.807	0.278	0.283	-0.158	-0.314	0.995	0.211	-0.448	0.128	-0.228	0.326	-0.316	0.919	0.2195	-0.062	-0.026	1.194
FZD10	686248	-0.023	-0.902	4.678	0.931	0.165	0.198	-0.65	-1.134	0.46	2.984	-0.475	-0.758	0.074	0.012	-1.139	-0.078	-0.173	-0.526	0.058	-0.012	0.584	0.228	0.2335	1.137	-0.778	0.457	-0.184	-0.418	2.47	0.068	-0.324
FZD7	691443	-0.945	-0.476	1.447	0.577	-2.15	-0.742	-0.968	-0.038	1.54	-1.307	0.066	0.33	-1.281	-0.495	1.544	1.206	0.032	-1.205	-1.2	-0.004	-1.005	0.188	-0.685	-0.599	0.163	0.683	0.687	-0.2195	0.236	0.309	0.442
FZD8	691926	-0.497	-0.926	-0.539	-0.319	-0.521	-0.464	-0.508	-0.798	-0.5	-0.058	-0.743	-0.823	-0.635	0.369	-0.226	0.277	-0.432	-0.333	-0.565	-0.388	-0.042	0.624	-0.543	-0.595	0.145	0.24	0.715	-0.676	-0.595	-0.299	-0.099
G1P2	694822	0.224	2.011	0.125	-0.485	3.91	0.44	2.816	1.291	-1.65	1.019	2.991	1.465	2.535	2.583	2.075	0.462	1.908	3.723	3.079	0.714	2.581	3.215	4.191	1.8715	3.101	2.19	0.089	-0.455	2.032	2.407	2.481
G1P3	693731	0.289	0.836	-0.168	0.334	2.084	0.213	2.916	0.507	-1.39	1.381	3.352	1.255	1.79	2.804	1.623	0.256	2.108	2.719	3.319	0.892	2.721	2.71	2.4355	0.809	3.757	1.885	0.671	0.4285	2.193	2.781	2.487
GA17	696445	-0.885	-1.714	0.303	-0.938	-1.167	-1.533	-0.959	-0.181	0.03	-0.089	-1.58	-2.232	-1.193	-0.86	-0.386	-1.121	-1.421	-1.113	-1.262	-1.068	-1.063	-1.337	-1.8575	-2.0785	-1.064	-0.193	-0.92	-1.4755	-0.747	-1.411	-1.098
GABARAF	683657	-0.9585	0.6265	-1.193	0.0105	0.4095	-0.4725	-0.0455	0.3025	0.35	-0.7465	-0.0105	-0.1335	0.2155	-0.4245	0.9115	0.3915	-0.2045	-0.5415	1.111	0.1855	-0.5985	-1.283	-0.664	-0.9635	1.488	0.2545	0.1235	-0.6995	1.143	0.2285	-0.0105
GAJ	696722	-1.832	-3.297	-0.558	-3.035	-3.141	-3.297	-0.775	-1.332	-1.18	-1.523	-3.252	-0.792	-1.82	-3.374	-1.245	-3.835	-2.749	-1.054	-3.724	-3.91	-2.049	-1.283	-3.284	-2.9965	-2.755	-1.689	-3.358	-2.8925	-2.817	-3.158	-2.271
GALE	681740	0.587	0.736	-0.541	-0.173	0.733	0.365	0.147	-0.918	-0.44	-0.016	-0.749	0.05	0.308	0.89	-0.747	-1.051	0.109	0.813	-0.913	0.468	-0.842	0.072	0.6475	0.7345	0.025	-0.565	0.016	-0.7885	-0.337	-0.752	-0.064
GALNT14	693378	-2.035	-1.332	1.114	-0.0535	1.395	-0.4085	-0.7805	0.0535	0.61	-0.7395	-1.009	0.4345	-1.637	-2.124	0.2865	0.1755	0.8925	0.5505	0.2305	-0.2105	-0.7465	-0.7005	-0.6215	0.2285	0.8855	-1.153	0.3045	-0.926	1.336	1.812	-0.0695
GALNT2	692425	-0.14	-1.417	0.412	-0.465	-1.086	-1.368	-0.164	0.253	-0.29	0.783	-1.287	1.139	0.008	0.45	-0.031	-0.951	-0.272

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.656	1.685	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
GKAP1	682770	-0.3325	0.1396	0.3515	0.7575	0.8105	0.3345	0.1985	0.4115	0.52	-2.076	-0.0095	-1.217	-1.007	-0.6165	0.0376	-0.7235	0.0095	-0.9195	0.7245	0.9165	-0.8575	-0.4195	-0.1985	1.047	0.3405	-0.1935	-0.6085	0.236	0.4765	-0.5885	-0.5495
GLCCI1	689756	0.2525	0.4785	-1.966	-0.2325	0.7475	0.4455	-0.8625	-1.296	0.15	-0.6565	-1.05	-1.13	-0.4985	-0.7565	-0.0795	0.0025	0.7605	-0.7195	-1.179	1.239	0.9135	-0.4555	-0.0025	0.373	0.2825	0.2095	1.218	0.784	-0.2785	0.0815	0.0045
GLG1	681938	-0.0485	0.5635	-0.2985	-0.4625	0.8285	-0.4815	-0.0985	0.0545	0.02	-0.1445	0.0515	0.7985	-0.0335	-0.3385	-0.5795	0.2565	0.4325	0.5965	0.2155	-0.2775	0.3025	0.1985	0.7875	-0.876	-0.2615	0.0095	-0.6455	-0.466	0.5435	0.6295	-0.0095
GLTSCR2	686786	-0.619	-0.359	0.646	0.866	-0.14	-0.043	-0.252	-0.64	0.51	-0.453	0.043	-1.124	-1.476	-0.044	-0.529	0.727	0.083	-0.731	0.39	0.551	0.575	-1.224	-0.2765	0.165	-0.168	-0.33	0.423	0.605	0.582	0.449	0.105
GNB4	697071	-0.984	-0.268	-1.441	-0.843	-0.33	-0.532	0.229	0.927	0.05	0.114	-0.227	-0.794	-0.15	0.273	1.716	-0.394	-0.395	0.547	-1.028	-1.066	-1.025	0.429	-0.7795	-0.68	-0.466	-0.446	-0.754	-0.7405	-0.461	-0.515	-0.57
GOLPH2	689832	-0.1725	-0.0045	-1.231	0.0045	0.2915	0.6045	-0.6475	-0.1635	0.65	-1.165	0.4215	0.3505	-0.7785	0.6195	-0.6335	-0.8465	0.4055	0.2735	-0.3875	-0.0365	1.118	-1.288	0.7235	0.1515	-2.3	-0.5635	-0.7285	0.0185	0.9515	-0.2375	0.4085
GPATC1	687697	-0.576	-1.081	-0.375	-0.078	-0.013	0.351	0.494	0.141	0.29	0.334	-0.498	-1.154	-0.486	-1.01	0.069	-0.563	0.211	0.552	0.028	0.013	0.589	0.687	0.802	0.138	1.223	-0.88	-0.331	0.0905	-0.073	0.435	-0.527
GPC2	692352	0.356	-0.947	-1.344	0.592	-0.505	0.061	-1.817	-0.122	-0.06	-1.59	0.32	-1.147	0.861	0.05	-0.132	-0.01	0.793	-0.743	0.229	0.369	-0.537	0.01	-0.746	-0.8665	0.985	-0.085	0.984	0.1285	0.961	-0.408	0.306
GPR125	694724	-1.345	-0.108	1.29	-1.726	-0.147	-0.541	0.243	0.144	0.71	-1.357	-0.91	1.732	-0.118	-0.797	0.019	-0.681	-1.832	-3.657	-0.897	-1.088	-0.758	0.023	-0.579	-0.389	-1.062	-1.562	-0.958	-0.736	-1.045	-0.915	-0.065
GPR160	682327	0.159	1.06	-2.876	1.142	-1.203	0.973	-0.623	-0.624	0.52	-1.704	1.892	-1.694	-1.176	1.861	-0.013	0.072	0.674	0.013	-0.134	0.625	-0.738	-1.284	-0.5005	-0.2635	1.038	0.981	-0.542	0.567	-0.349	-0.531	1.344
GPR56	688865	-0.7025	1.189	-0.0375	-0.6945	0.5995	-0.7385	0.9015	0.2195	-0.09	-1.186	-1.487	1.105	0.2065	0.5605	0.4855	-0.4095	-0.5035	0.1555	-0.5045	-0.8545	0.0375	0.6995	0.2165	-0.9795	-0.1825	0.6255	0.3225	-1.874	-0.3485	-0.2225	0.3475
GPRC5C	696709	1.094	0.013	-1.262	0.736	-0.113	-0.995	-1.639	-0.737	0.6	-0.382	-0.024	-0.838	0.634	-0.003	-2.059	-0.185	-1.186	0.171	-0.085	-0.261	-0.25	-0.469	-1.1765	0.543	1.571	-0.917	-1.255	0.235	0.539	0.539	0.018
GPSM1	682325	0.1197	0.0848	0.1847	-0.8553	-0.2733	-0.8993	0.3717	-0.7213	0.35	0.0428	-0.1383	0.6577	0.4967	-0.4043	-0.7643	0.3987	-0.0553	-0.4903	0.3787	-0.6883	0.1927	0.4277	0.8907	-0.0428	0.5327	0.5267	-0.1633	-0.0443	-0.5153	0.9147	-0.3093
GPSM2	690902	0.929	0.781	-1.627	0.492	-0.25	0.095	-1.598	-1.412	-0.6	-2.325	-0.147	0.005	-0.078	0.472	-1.895	-0.943	-0.959	0.227	-0.005	1.542	0.932	-1.306	-0.296	0.352	0.182	-0.467	1.614	-0.2145	-0.489	0.502	0.976
GPT	693608	-0.377	-0.747	-1.468	-0.815	0.957	0.303	-1.38	0.374	0.21	-0.817	0.613	0.235	-0.554	-0.075	-0.832	-0.876	-1.013	-0.265	0.588	0.264	-0.068	0.249	-0.0315	-0.1455	0.326	0.152	0.252	0.544	0.508	-0.153	-0.866
GPT2	689304	1.108	1.081	0.442	-1.182	2.301	1.347	2.299	1.135	-0.1	-0.697	-1.217	1.52	0.032	1.081	1.178	-0.586	-0.699	-0.032	0.474	-1.538	-0.097	0.333	-0.058	-0.1925	0.169	-1.05	-0.941	-1.458	1.156	-1.456	0.039
GPX7	694626	0.344	0.347	2.301	-1.111	0.019	-0.819	1.405	-0.335	0.36	-0.094	0.598	0.212	-1.053	-1.217	0.741	-0.104	0.041	-1.039	-0.187	-0.818	0.207	0.106	0.2355	-0.2935	-0.73	0.713	0.501	-0.065	-0.034	-0.167	-0.238
GRB14	691136	0.9502	0.2632	2.983	-0.5178	-0.2148	-0.1468	3.955	3.993	-0.88	-0.8918	1.7	1.623	4.492	-0.3378	2.705	3.215	-0.1078	-0.4608	-1.39	0.7762	3.036	1.287	-0.3648	2.536	4.131	-0.4198	-0.6808	0.0128	-0.8318	-0.3878	-0.0128
GRB7	691667	1.126	0.076	-0.26	-0.006	-0.498	0.409	0.005	-0.005	-0.05	-0.279	0.066	-0.011	-0.128	3.045	-0.348	-0.304	0.181	-0.228	-0.376	-0.29	2.53	0.193	2.368	-0.0755	0.374	-0.35	0.646	0.035	-0.105	0.269	1.709
GSC	684798	1.392	0.2133	-0.8627	-0.4597	0.4573	0.0713	-0.8977	-1.535	0.64	-0.6867	0.4823	0.3013	0.2943	-0.6447	-1.111	0.5113	-0.3277	1.04	2.039	1.631	-0.2397	-0.6227	0.9548	-0.0713	1.953	0.9113	-0.4457	-0.5627	-0.1397	1.699	-0.1007
GSDML	684490	1.277	-1.403	0.55	-1.64	-2.831	-0.685	-2.501	0.136	0.05	-1.87	-0.105	-1.594	0.106	-0.109	0.196	0.22	-1.292	0.18	-0.391	-0.42	-0.262	2.098	-0.6895	2.018	0.847	-0.388	0.488	-1.9425	-2.014	0.265	0.016
GSK3B	682653	-0.336	1.289	-0.938	-0.109	0.04	0.21	-0.614	0.053	-0.46	-1.014	-0.048	-0.51	2.331	-1.025	-0.4594	-0.563	1.102	-0.864	-0.078	1.018	-0.102	0.777	0	0.3205	0.618	1.056	1.09	2.017	1.203	0.224	-0.284
GSTA1	690111	-0.002	0.249	0.376	-0.164	0.44	0.193	0.065	0.377	0.13	0.038	0.035	1.175	-0.117	-0.066	0.233	0.684	-0.182	0.071	-0.393	0.309	0.002	0.681	-0.125	-0.0585	-0.234	-0.354	-0.057	-0.409	-0.124	-0.175	-0.088
GSTK1	691113	-0.558	-0.129	-1.17	-0.317	-0.274	0.802	0.161	-0.655	0.11	-1.747	-1.049	0.163	-0.827	-0.034	-0.34	-0.673	-0.245	0.094	-0.106	0.188	1.539	-0.367	0.4655	-0.05	0.496	-1.378	0.385	-0.3785	-0.903	-0.485	-0.241
GSTM3	686813	-0.631	0.903	-0.432	2.272	-1.119	3.235	-0.428	-1.004	0.55	-1.212	2.351	-0.71	0.886	-0.83	-1.242	2.189	2.646	-0.445	-1.643	1.021	2.856	-1.926	0.006	-0.1555	2.045	0.17	-0.3	2.588	-0.006	1.685	-1.459
GSTP1	690952	-0.527	-1.246	1.279	-1.327	-0.204	1.361	1.285	0.707	0.24	1.624	-0.71	1.598	-1.642	-1.896	1.36	0.204	-0.303	1.78	0.438	-0.456	-0.546	1.124	0.485	0.459	-0.348	-0.434	-1.455	-0.903	-0.992	0.78	1.139
GSTT1	684076	-1.89	-0.536	-0.71	-1.75	-1.948	-1.119	-0.76	0.52	0.28	-1.25	-1.75	-1.302	-0.511	1.03	0.2	-1.46	-1.689	-1.21	-1.96	-1.84	1.27	-1.96	-2.021	-2.325	-1.86	-1.5	-0.86	-1.8655	-1.39	-2.212	-0.94
GSTT2	685053	-0.35	-0.094	-0.613	-0.695	-0.297	0.695	-0.859	-0.983	0.838	-0.623	0.19	-0.223	0.063	-0.187	1.067	0.394	0.267	-0.642	2.049	0	1.082	-1.031	1.465	-0.7965	-0.613	0.162	0.269	-0.006	1.196	-0.0684	1.052
GTF2F2	697621	-0.74	-0.247	0.094	-1.128	0.19	-1.547	-0.43	-0.145	0.05	-0.354	-1.387	-1.063	-0.448	-0.856	-0.24	-1.144	-1.198	-1.392	0.387	-1.119	-0.702	0.087	-1.1935	-0.822	-0.486	-0.038	-0.963	-0.8105	0.083	-0.633	-0.908
GTF2I	692303	-0.211	-0.273	0.636	0.807	0.697	1.17	-0.126	0.16	0.9	-1.385	0.111	0.415	0.044	-0.516	-0.522	0.26	0.374	-0.483	0.717	0.94	-0.184	-0.251	-0.317	0.58	0.427	0.276	0.707	0.722	0.028	0.398	-0.23
GTF3A	693886	0.345	-1.134	0.443	-0.335	-0.841	-0.661	0.908	1.061	0.07	-1.028	-0.528	0.563	0.072	-0.033	2.329	-0.333	-0.811	0.775	-0.431	0.213	0.026	1.191	-0.644	-0.64	0.207	0.482	0.081	-0.65	-1.347	-0.026	0.81
GTPBP3	682310	0.7385	0.0735	1.312	-2.408	0.5265	-1.309	0.4775	0.7675	-0.36	1.632	-0.7785	0.2575	-0.1005	0.1235	-0.0005	-0.4755	0.0005	1.445	-2.058	-2.437	-0.1345	0.1265	0.9495	-1.456	-1.758	-0.8735	-1.052	-1.63	0.4095	-0.7765	1.104
GTPBP4	689649	0.0165	0.4915	1.18	-0.6615	0.1015	-0.0175	0.8005	1.722	-0.36	0.8525	-0.1195	0.6045	0.6805	0.6675	2.41	-0.8405	0.0415	0.9405	-0.1545	-0.3895	-0.0165	1.381	-0.4155	-1.471	-0.0845	0.9365	-0.1465	-0.895	-0.2725	-0.2995	0.3515
H1F0	692476	-0.4245	0.3335	-0.1905	-0.2925	0.1185	0.0575	0.6555	0.6605	0.81	-0.2515	0.6685	0.6515	-0.8065	0.4305	1.657	0.1465	0.0525	-0.2415	0.0005	-0.0775	-0.8455	-0.0005	-0.4405	0.071	0.1915	-0.1965	-0.1475	-0.4155	-0.2995	-0.8295	-0.0895
H2AFV	695317	-0.622	-0.829	-1.181	-0.555	-1.039	-0.496	-0.15	-0.437	-0.47	0.669	-0.431	-0.597	-0.076	-1.278	-0.132	-2.585	-0.154	0.364	-0.992	-0.719	-1.19	-0.264	-0.3195	-1.1425	-1.244	-0.029	-0.665	-0.332	-1.294	-0.573	-0.651
H2AFY	696406	0.948	0.835	0.11	0.599	0.921	0.98	0.634	-1.228	-0.46	0.601	0.65	0.101	1.137	0.658	0.388	-0.103	0.751	0.314	0.796	0.46	0.598	0.544	0.6815	0.0035	0.431	0.882	0.039	0.2915	0.339	0.329	0.695
H2AFZ	683032	0.3335	0.2695	0.1765	0.0355	-0.8385	-0.2355	1.411	0.8905	-0.71	1.386	-0.0035	0.1175	0.6915	-0.8595	1.737	-0.3055	-0.0275	1.398	0.0035	-0.3565	-0.4685	0.4695	-0.7455	-1.496	0.6975	0.6985	-0.3585	-0.57	-0.0645	-0.6515	0.8365
H2BFS	685337	0.3425	-0.0105	0.5185	-0.2115	0.5795	-1.192	-0.1105	1.157	-0.26	0.0895	-0.8105	-0.1435	0.2965	0.0965	-0.1065	-1.384	-0.5255	0.4525	-0.8525	-0.0625	-0.3685	0.8125	-0.6175	0.0105	0.7805	0.8815	0.7245	0.42	0.4025	-0.1165	-0.4655
H3F3B	690295	0.207	0.991	-0.528	-0.082	-0.554	0.154	-0.726	0.928	0.13	-0.154	-0.004	-0.344	0.023	-1.338	-0.843	-0.584	-0.152	0.086	0.078	0.004	-0.741	0.737	-0.325	-0.7265	1.617	0.056	0.332	-0.5085	0.073	0.244	-0.168
H41	682811	0.7835	-0.2205	1.611	-0.3855	-0.2905	-0.5635	2.192	1.694	-0.03	1.754	-0.2475	1.736	0.7255	0.3905	1.399	0.1615	-0.5035	1.357	-0.5145	-0.8105	0.0415	0.8045	0.3305	-0.771	-0.7665	-0.0415	-0.9025	-1.048	-0.8825	0.1315	0.7715
HAGH	696380	0.206	0.628	-1.043	0.839	1.258	1.645	0.386	-0.442	0.01	-0.876	0.037	-0.095	0.092	-0.37	-0.217	-0.739	-0.057	-0.252	0.864	0.652	-0.717	-0.091	0.2695	0.754	0.737	-0.399	-0.143	-0.1275	0.92	0.488	0.257
HBG1	688388	0.133	0.052	0.188	0.149	0.038	0.088	0.078	-0.616	0.21	-0.869	0.18	-0.503	-0.542	0.223	0.4	0.226	0.341	-0.369	-0.212	-0.14	-0.076	-0.466	-0.134	-0.431	-0.097	0.467	0.098	-0.2385	-0.038	-0.091	0.105
HBLD1	697677	-0.306	-0.049	-0.219	-0.598	-0.437	-0.025	-0.861	-0.76	0.39	0.634	0.085	-1.201	-0.291	-0.604	-0.39	-0.771	-0.528	-0.514	-0.251	-0.214	-0.05	-1.063	-0.991	-0.857	-0.411	-0.591	0.43	-0.202	-0.588	-0.037	-0.366
HCAP-G	691857	0.758	0.787	0.759	-0.618	-0.137	-0.548	2.302	1.426	-0.69	0.93	-0.222	1.196	0.556	0.868	0.632	-1.389	-0.335	0.776	-0.187	-0.915	0.295	0.543	0.989	0.025	-0.958	0.206	-1.207	-0.719	-1.035	-0.628	-0.025
HCP5	695382	1.064	0.838	0.077	0.587	3.674	1.64	1.634	0.833	-0.64	0.187	1.812	1.288	1.762	1.222	3.443	1.077	1.177	1.768	3.244	1.39	1.208	1.562	1.5825	1.14	2.509	2.105	0.963	0.6245	1.915	1.324	2.053
HDAC2	697848	-0.238	-0.597	1.107	-0.808	-0.395	-1.094	-0.049	0.228	0.13	0.062	-0.568	0.355	0.074	-0.468	0.194	-1.423	-0.939	0.007	-0.956	-1.234	-0.34	1.177	-0.9035	-1.254	-0.335	-0.529	-1.029	-1.498	-0.627	-1.048	-0.258
HDC	688061	-0.0475	-0.8045	-0.2205	-0.2135	4.522	-0.5265	0.6185	-0.3775	1.04	-0.1785	-0.0385	-0.5425	-0.2215	0.0995	-0.3745	0.9595	1.548	0.6395	5.862	-0.1125	0.2495	-0.0505	0.199	2.602	-0.0535	0.4255	-0.1415	-0.2605	5.683	0.2145	0.3745
HEBP1	697035	-0.2	1.645	2.496	1.092	1.766	1.164	-0.573	-0.68	0.56	-1.261	0.853	-0.375	0.035	-0.657	0.935	0.586	1.112	-0.581	1.973	0.979	0.062	-0.174	-0.488	0.127	0.692	0.997	0.388	0.3475	0.641	0.161	-0.122
HIPK2	691802	0.4235	0.134	-0.0675	-0.2545	0.2752	0.1665	-0.0485	-0.2595	0.03	0.0175	0.3995	0.0155	-0.2445	-0.2635	0.0835	0.1025	0.1115	-0.3095	0.1155	0.0025	0.0705	0.0025	0.4565	1.08	-0.0545	-0.3115	-0.3165	-0.159	-0.1376	-0.4955	-0.2425
HIPK2	694742	0.883	0.139	1.091	2.233	2.653	-0.372	1.343	1.506	0.42	-1.338	0.574	1.688	1.397	0.579	0.163	-0.136	1.835	0.1	2.139	1.678	1.645	0.806	2.1685	3.195	0.511	0.503	2.068	1.2145	1.696	1.397	0.574
HIS1	694010	-0.132	-0.114	-1.004	0.261	0.312	0.762	-0.209	0.519	0.82	0.605	0.636	-0.003	-0.264	0.247	-0.114	-0.539	0.54	1.027	0.46	1.357	-0.168	-0.366	-0.1065	0.6005	1.565	0.049	0.889	-0.103	0.729	0.469	0.87
HIST1H2A	684611	-0.6587	0.7373	0.3763	-0.7707	0.6803	-0.8087	-0.8547	1.085	-0.31	-1.492	-0.8697	0.1093	0.0133	-1.014	-1.615	-2.959	0.8663	-0.5437	0.1193	0.4083	-0.4557	0.6543	-0.2727	-0.0073	0.3283	-0.2787	0.3763	0.2043	0.0073	0.2423	-1.269
HIST1H2B	697885	-1.654	2.045	-1.721	3.511	4.254	2.595	-2.762	-1.523	-0.22	-2.101	2.488	-3.744	0.992	-2.325	-1.251	0.0408	3.604	-3.185	3.19	4.385	-2.618	-2.273	-3.393	2.701	2.937	1.041	2.828	3.185	2.859	1.467	-0.408
HIST1H2B	681566	0.45	0.003	0.36	-0.073	0.596	-1	-0.619	1.118	-0.34	-0.457	-0.712	0.048	-0.003	-0.167	-0.789	-1.745	-0.21	0.094	-0.583	0.044	-0.121	0.931	-0.9565	-0.426	0.954	0.629	0.36	0.046	0.489	0.418	-0.6
HIST1H2B	695646	0.263	-0.058	0.24	-0.197	0.414	-0.892	-0.694	0.995	-0.26	-0.541	-0.541	-0.06	-0.077	-0.236	-0.729	-1.895	-0.159	0.31	-0.499	0.215	-0.233	0.741	-0.8165	-0.1895	0.81	0.432	0.099	0.7435	0.397	0.292	-0.836
HIST1H2B	683833	0.2295	0.0505	0.0675	-0.3165	0.7535	-0.7645	-0.9515	1.053	-0.35	-0.6275	-0.4935	-0.0145	-0.3165	-0.4735	-0.9165	-2.167	0.0145	0.2255	-0.8535	0.0225	-0.3185	0.7095	-0.8215	-0.4075	0.7725	0.4765	0.2045	0.7025	0.2065	0.0955	-0.8305
HIST1H3C	693912	-0.084	0.973	-0.782	-0.471	-0.397	-0.403	-1.142	0.64	-0.32	-0.492	-0.367	-0.224	-0.382	-1.439	-1.147	-0.441	-0.303	-0.317	-0.631	-0.775	-0.871	0.237	-0.6355	-1.2085	1.113	-0.235	0.088	-0.5655	-0.342	-0.158	-0.423
HM13	695097	0.538	-0.707	-0.189	-0.122	-0.222	0.003	0.275	0.023	-0.1	-0.213	-0.134	-0.411	0.776	0.255	-0.038	-0.884	0.043	0.834	0.494	-0.016	0.646	0.132	0.3625	-0.6925	-0.406	-0.07	-0.504	-0.5645	0.193	-0.316	-0.063
HMGB3	690848	0.974	1.583	0.788	1.315	-1.151	-1.343	2.657	-0.59	-0.62	-2.801	2.015	1.222	-0.621	0.061	1.381	0.5	1.455	0.666	-0.258	-0.296	0.789	1.733	-1.651	0.294	3.69	0.387	2.063	2.172	0.25	0.922	2.339
HN1	689576	0.835	0.996	0.541	-0.355	0.099	-0.07	0.044	1.052	-1.01	0.398	-0.114	1.387	1.725	-0.044	0.3	-1.78	-0.482	1.981	-0.173	-0.293	-0.646	1.523	0.767	-0.2695	0.087	0.135	-0.404	-0.5715	-0.375	-0.685	-1.037
HNRPA3P	687868	-0.0285	-0.4055	1.016	-0.1975	-0.5425	-0.0675	0.3945	0.8035	-0.28	0.9315	-0.3185	-0.1665	0.2815	-0.0595	0.7825	-0.7775	-0.1455	0.8365	0.1205	0.3795	0.3555	0.7395	0.0015	-0.103	-0.0045	-0.1445	0.4725	-0.48	-0.0015	0.2705	0.4775
HNRPDL	689713	-0.2353	0.0778	0.0408	0.1947	-0.0663	-0.3933	0.0688	0.4537	-0.32	1.155	-0.3823	-0.3623	0.0738	0.1817	0.4757	-0.2693	-0.0473	-0.9523	-0.0933	0.2997	-0.0183	-0.2053	0.0183	-0.7298	0.5737	0.2197	-0.0743	-0.4778	0.2407	-0.0633	0.3787
HOXA5	682213	-0.033	-0.149	-0.584	2.55	0.192	-0.034	-0.588	-1.06	1.68	1.637	0.48	2.699	-0.656	-0.0595	-0.486	0.755	0.019	-0.53	0.352	-0.074	0	0.051	1.254	-0.1125	-0.386	-0.476	-0.156	0.394	0.447	0.093	0.111
HOXA7	693224	0.155	0.955	-1.089	3.703	-0.169	-0.25	-0.641	-2.558	2.77	3.112	0.442	3.383	-0.905	-0.682	-0.129	1.233	0.384	-1.481	0.408	0.02	0.371	-0.833	2.811	0.5405	0.124	-0.179	-0.108	-0.0405	0.26	0.899	0.497
HOXB2	695779	0.375	-0.225	-2.749	2.542	2.335	-1.879	-1.519	-2.514	0.08	-1.223	0.739	-1.444	-1.234	0.348	-1.615	0.705	0.757	-1.138	0.816	1.083	0.68	-1.168	1.3575	0.3515	1.611	1.48	2.69	1.364	2.145	0.91	2.507
HOXB6	689828	-0.573	-0.979	-1.782	-1.039	-2.034	-1.604	-1.289	-1.527	-0.1	-0.951	-1.729	-2.077	-0.943	-1.077	-1.466	-0.719	-1.966	-0.754	-1.461	-1.77	-1.309	-0.514	-0.136	-1.826	-1.632	-0.884	-1.221	-1.267	-0.382	-0.683	-0.409
HOXB7	697026	0.481	0.445	-2.218	1.575	1.741	-0.824	-1.099	-1.252	-0.55	0.508	-0.704	-0.501	-1.559	0.016	-1.106	-1.68	-0.85	1.146	-0.016	-0.171	0.286	0.202	1.275	0.499	-1.402	-0.316	1.589	0.5925	0.357	0.875	1.202
HOXC10	686125	0.6015	-0.2635	-1.429	-0.5215	-1.211	0.6665	0.1165	-2.322	0.44	-1.418	-1.246	-0.2615	-0.0175	0.2315	-2.381	-1.285	1.285	0.4495	0.3225	0.7515	2.216	0.8195	1.948	-0.488	-1.581	1.529	0.8785	-1.816	-1.814	1.541	0.5825
HOXC13	688022	-0.1605	0.1865	-0.2105	-0.0375	0.4545	0.2215	-0.2995	-0.0595	0.08	0.0815	-0.0225	-0.1525	-0.3055	0.0395	-0.3975	-0.6865	0.1705	-0.1295	0.3795	0.0885	0.3405	0.1315	0.1445	-0.1425	0.1185	-0.1455	-0.1295	-0.6255	0.2955	0.8535	-0.1145
HOXC9	686974	-0.13	-1.492	-0.46	-0.882	-0.906	-0.546	0.294	-0.204	0	-0.61	-1.224	-0.679	0.297	-0.259	-0.969	-0.7	-0.846	0.179	-0.766	-1.081	0.733	0.145	0.813	-0.2605	-0.64	-0.256	-0.732	-0.5035	-1.048	-0.173	-0.763
HOXD3	688881	-0.3365	-1.305	-1.752	-0.4085	0.7225	0.1875	-1.485	0.3035	0.61	-0.3205	0.7585	-0.0115	-0.2965	0.5135	-0.2725	-1.49	-1.339	-0.3795	-0.1945	0.3555	0.0115	0.2605	-0.1555	-0.117	0.3595	0.2465	0.7245	0.67	0.5535	0.1065	-0.5945
HPCL2	693166	-1.08	-0.875	0.135	-0.816	-0.309	-0.747	-1.165	-1.045	0.25	0.14	-0.081	-1.169	-1.596	-1.262	0.042	-0.96	-0.267	-0.844	-0.712	-0.307	-1.093	-1.434	-0.795	-0.5265	-0.347	-1.056	-0.234	-0.2535	-0.295	-1.038	-0.898
HPS3	684956	-0.093	0.512	-0.473	0.167	0.003	-0.024	-0.473	0.207	-0.04	-0.593	0.267	-0.489	-0.642	0.303	1.097	-0.243	-0.034	-0.489	0.187	0.26	-0.293	-0.003	-0.675	-0.295	0.727	0.707	0.737	0.5285	0.047	-0.416	0.337
HRASLS	689305	0.814	-1.381	0.78	-0.093	-0.77	-1.124	0.5651	3.324	-0.56	-1.452	-1.279	0.664	0.017	1.098	2.491	-1.17	-0.182	2.368	2.154	0.774	-0.146	1.603	1.194	0.3155	0.093	0	-1.167	-1.23	0.113	-0.078	-1.059
HRB	692071	0.2815	0.4785	0.7995	-0.7525	-0.0355	-0.4175	-0.1215	1.774	-0.37	1.174	0.2105	0.1065	-0.2305	0

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
HSPC268	693184	-0.685	0.507	0.675	1.048	0.909	0.363	0.464	0.038	0.16	-0.354	0.149	0.479	-0.202	-0.959	-1.231	-1.161	-0.419	0.195	-0.325	0.043	-0.396	-0.126	-0.086	0.4685	0.208	-0.716	-0.362	0.2405	0.859	-0.368	-0.544
HSU79274	693843	-0.011	0.331	1.21	-0.189	0.292	0.161	0.115	0.533	0.19	-0.235	0.158	0.103	0.262	0.101	0.244	0.382	0.184	-0.054	-0.021	0.095	0.118	0.157	-0.0635	0.6215	-0.463	-0.341	0.222	0.2015	-0.335	-0.086	-0.27
HTATIP2	693716	-0.277	-0.364	1.4	-0.661	0.109	-0.706	1.926	1.272	-0.75	0.184	-0.025	0.661	-0.213	-0.368	0.956	0.082	-0.162	-1.127	0.03	-0.869	-0.051	0.609	-0.2305	-0.8755	-0.429	0.558	0.069	-0.54	0.025	0.082	0.299
ICMT	681046	-0.1455	0.0165	0.2035	0.2745	0.2515	-0.1945	0.2885	1.096	-0.13	0.4425	-0.0725	0.6615	-0.1535	-0.0985	-0.0485	-1.316	0.1965	0.7665	-0.6665	-0.3965	-0.4225	0.3845	0.783	0.4165	-0.1065	-0.0125	-0.1555	-0.726	0.0515	-0.2185	0.0515
ICT1	683297	-0.1065	0.9805	-0.1345	-0.2645	0.1525	0.4905	-0.2665	0.3085	0.04	-0.0115	-0.1175	0.2985	-0.0025	-0.8895	0.2175	-1.279	-0.3945	0.2175	0.0205	0.0935	-0.6575	0.4645	-0.477	0.7915	0.8285	-0.5685	0.2385	0.1205	0.0025	-0.2215	-0.3885
ID4	685578	0.0015	-0.1335	-0.2125	0.0195	0.1555	0.4445	0.0345	-0.3595	1.52	-0.1285	0.2245	0.0825	-0.2615	-0.4735	-0.5225	-0.0015	0.2155	0.0485	0.6365	0.3025	0.3545	-0.3545	0.0765	0.1435	-0.2575	-0.3645	-0.5315	0.211	-0.0325	-0.3845	-0.4605
IDH2	681706	1.011	2.896	-0.245	-0.488	-0.417	-1.043	0.049	1.076	-1.38	0.366	0.507	-0.224	-0.049	1.284	1.076	-0.822	0.791	1.097	-0.07	-0.637	2.602	0.833	1.588	-0.6705	-0.666	0.542	-0.107	1.04	-1.318	-0.745	1.98
IDS	698420	-0.655	-0.611	3.267	-0.293	-0.196	-0.591	-0.778	2.454	0.17	3.693	-1.045	2.07	-0.573	-0.786	1.995	0.051	-0.715	-1.01	-0.245	-0.559	-1.16	2.938	-0.8145	-0.314	-0.166	-0.378	-0.433	-0.72	-0.699	-0.523	0.922
IFI30	695270	2.969	0.946	0.483	1.649	1.02	2.389	1.88	1.139	-1.15	1.845	2.411	1.696	2.162	1.786	2.044	0.383	1.353	2.757	1.717	1.099	1.688	1.587	2.496	1.5135	0.722	1.82	0.638	2.072	1.334	0.915	1.929
IFI44	681212	-0.415	0.011	-0.458	0.138	0.088	0.267	-0.011	-0.431	-0.57	-0.642	0.446	-0.064	-0.42	-0.477	0.216	0.077	0.126	-0.368	0.086	0.266	-1.076	-0.491	-0.341	0.127	0.629	-0.482	0.405	-0.132	-0.328	-0.276	0.053
IFIT5	684503	-0.7882	-0.2242	1.203	-0.3572	-0.1022	0.3238	0.2988	1.461	-0.18	-0.9102	0.5518	0.8188	0.0868	0.1008	0.7148	-0.5042	-0.2722	0.8778	-0.7092	-0.1902	0.3318	0.4968	0.0163	-0.7247	-0.0163	-0.1402	0.6268	-0.2852	-0.2872	-0.4832	0.5918
IFITM1	690566	-1.025	-1.499	-2.707	-0.794	0.816	0.117	0.904	-1.225	0.08	-0.801	0.867	-1.554	-0.337	0.458	0.026	-0.268	-0.177	0.454	0.179	-1.01	0.048	0.834	0.9875	-0.5805	0.276	1.145	-0.64	-1.493	0.572	-0.026	0.459
IGBP1	697847	-0.056	0.564	-0.264	0.308	0.345	-0.035	-0.948	-0.72	0.53	-0.545	0.122	-1.594	-0.346	-0.284	-0.474	-0.174	-0.169	-0.594	0.469	0.358	-0.391	-0.809	-0.3875	0.3905	0.04	-0.504	0.571	0.654	0.246	-0.018	-0.021
IGFALS	692644	-0.183	0.983	-0.133	1.914	3.601	1.034	-0.088	-0.432	0.75	0.067	0.768	0.189	-0.2	-0.132	-1.043	0.615	0.515	-0.339	2.748	2.083	-0.08	0.361	0.1605	3.505	0.457	1.235	1.653	1.5395	2.696	1.444	-0.209
IGFBP2	689980	1.051	-0.3605	1.671	2.463	-3.084	0.8445	0.7355	-2.979	0.61	-1.205	1.282	-1.219	1.408	0.0445	-2.984	0.0505	0.8165	-1.757	-1.187	0.8785	1.385	-0.3715	-1.094	0.657	0.5005	-1.314	-1.225	0.9455	-0.9015	-0.3365	-0.1095
IGHG1	682030	3.133	-0.055	-0.544	-0.61	-0.161	-0.753	0.733	-0.152	-0.25	-0.362	-0.371	0.491	-0.202	-0.001	2.804	0.408	0.082	0.021	0.539	1.052	0.856	0.601	0.977	0.001	2.174	0.609	-0.103	-0.3685	-0.599	-0.445	-0.293
IGHG1	696457	3.923	-0.046	0.101	0.48	0.363	0.57	1.008	0.134	-0.41	0.279	-1.345	1.534	0.373	0.499	2.828	0.24	1.028	0.577	1.93	1.914	0.839	0.684	0.7135	0.416	1.973	0.851	0.334	0.109	0.214	0.279	0.675
IGJ	687674	1.609	-1.75	-3.089	-0.2245	0.1715	-2.747	1.752	-2.842	1.24	-2.373	0.0355	-0.0355	0.1475	-0.3085	2.217	0.9615	-1.09	-1.135	0.7325	0.6775	-0.2155	1.104	-0.6835	1.565	2.208	-0.5615	0.5415	-1.604	-2.104	0.7665	1
IGKC	690921	3.578	1.387	-1.335	-0.389	2.14	-0.683	1.006	-1.017	-0.86	-1.099	0.2	2.108	0.245	0.889	3.312	-1.119	-0.61	-0.895	0.73	0.716	-0.697	-0.729	1.359	-0.154	1.768	0.184	0.154	-0.9235	-0.744	-0.688	-0.2
IGKC	691031	3.638	0.323	-0.229	-0.201	1.034	-0.588	0.059	-0.506	-1.07	-0.186	-0.086	0.822	1.522	0.589	3.51	-0.345	-0.16	-0.308	0.503	1.057	-0.049	0.049	0.67	0.0935	0.828	0.615	-0.23	-0.339	-0.403	-0.1	-0.191
IGLC2	682716	2.504	-0.0085	-0.2925	0.1515	1.34	-0.3555	0.4485	-0.3245	-0.67	-0.2155	-0.0555	0.0385	1.698	0.0425	2.607	-0.1005	-0.1415	-0.3405	0.1985	0.1425	0.3945	-0.1175	1.017	0.917	0.1605	-0.0345	0.0655	-0.0485	-0.3035	-0.1455	-0.0065
IGLL1	691836	3.265	-0.7	-1.323	-0.611	2.352	-1.266	0.118	-1.459	-0.77	-1.325	-0.368	0.506	1.241	0.353	2.649	1.466	-0.464	-0.877	0.862	0.635	0.66	0.167	0.746	-0.7375	1.1	-0.118	-0.657	-1.407	-1.028	0.267	-0.488
IL13RA1	697838	0.388	-0.016	-1.141	0.061	-0.487	0.34	-0.282	1.014	0.01	-0.087	0.234	-0.756	0.368	1.372	-0.162	-0.355	0.014	0.548	-0.267	-0.147	0.287	0.641	-0.0855	-0.0595	0.207	0.446	0.671	0.0495	0.602	0.48	0.774
IL17B	685612	-0.1405	-1.008	0.4015	0.4075	-0.5225	-0.2695	3.954	-0.4125	1.78	-0.1655	-0.4385	-0.1565	-0.0515	0.0545	0.0915	0.2985	0.4465	-0.1965	0.0685	-0.3275	0.1645	-0.0995	-0.2575	0.1845	1.656	0.6065	-0.0855	-0.353	0.0515	0.3965	0.6345
IL23A	690046	0.502	0.425	-0.279	-0.368	0.275	0.093	0.166	1.926	-0.27	-0.078	0.051	0.265	0.255	-0.621	0.476	0.304	-0.417	0.953	0.123	-0.291	0.045	0.733	-0.045	0.3115	-0.159	-0.454	-0.529	-0.124	-0.244	-0.208	-0.334
IL6ST	690686	-0.9835	-0.2695	-1.137	1.26	-0.0175	0.4245	-1.192	-0.5085	0.07	-0.7495	1.207	-1.366	-0.6415	-0.7635	-0.3975	-0.0715	0.6885	-0.8505	1.765	2.795	-0.7135	-0.4255	-1.359	0.9375	1.521	1.228	2.031	1.163	0.7245	1.176	0.9195
ILF2	681204	2.365	0.499	0.852	0.868	0.812	0.496	3.258	1.396	-0.03	0.333	2.625	3.651	1.526	0.943	2.414	0.318	1.423	0.228	0.482	2.526	-0.186	0.682	0.492	-0.0025	3.42	0.899	0.315	0.35	0.477	0.601	0.544
IMPA2	690416	-0.478	-0.783	1.851	-1.092	-0.703	1.033	2.183	2.212	-0.15	0.745	-0.209	1.238	-0.736	-0.568	1.159	0.671	-0.459	1.891	0.244	-0.876	0.339	0.726	0.504	-0.579	-1.12	-1.11	0.892	-0.1205	-0.126	-0.026	0.026
ING1L	681976	-0.8195	-0.0065	-0.7155	-0.4475	-0.3835	-0.0005	0.0245	0.5845	0.41	0.8775	0.6275	-0.3815	0.2435	-0.8845	-0.2375	-1.137	0.1775	0.1205	-0.1895	0.0645	-0.2645	0.0845	-0.3655	-0.332	0.9895	-0.4155	0.6005	0.063	-0.4155	0.2505	0.0005
INHBB	695995	3.552	3.98	0.816	3.615	0.336	3.212	0.798	-0.068	0.9	1.104	1.906	-0.19	0.519	3.446	0.83	2.147	2.512	1.919	2.795	2.045	3.734	2.164	3.3615	1.5385	1.273	1.294	3.434	0.696	1.789	2.748	3.616
INPP4B	685012	0.244	0.149	-2.689	0.958	-0.37	1.27	-0.55	-2.631	1.27	-2.583	0.097	-2.614	0.766	-2.116	-2.667	-0.097	1.952	-1.538	-0.32	1.688	-0.335	-1.24	-1.332	-0.394	1.414	0.878	2.168	0.7665	-0.798	0.712	0.763
INSM1	693435	-0.174	0.143	-0.397	6.039	-0.104	-0.521	0.808	0.064	-0.07	-0.315	-0.064	-0.332	4.575	-0.216	0.937	1.848	2.529	-0.19	-0.466	2.355	-0.042	-0.261	-0.072	-0.178	0.881	-0.176	-0.338	1.5595	5.923	1.577	0.344
IQCA	692963	0.235	0.897	2.335	0.767	0.497	0.298	-0.176	-0.357	1.38	2.649	1.704	3.684	0.113	0.801	-0.394	1.075	3.039	-0.107	0.439	3.225	1.699	2.19	1.911	1.1465	2.193	0.974	1.848	0.1905	1.016	2.643	1.774
IQCE	687430	0.2445	0.0025	-0.0025	1.184	1.011	-0.0195	-1.489	-1.575	0.9	-0.7185	-0.0345	0.0925	-0.3635	0.5055	0.4285	-0.3265	-0.2725	-0.1865	-0.0565	0.6285	0.1335	-0.4985	0.764	0.033	-0.2775	0.5555	0.7505	0.158	-0.0605	-0.0645	0.8425
IQGAP2	697172	0.2585	0.5295	-0.2135	0.3825	0.2655	0.1985	-0.0095	-0.5235	0.57	-0.4335	-0.3335	0.3665	0.0395	-0.2595	-1.291	-0.1915	0.0095	0.2355	-0.1225	-0.1005	0.2455	0.2845	-0.1455	-0.3775	0.2135	0.8075	0.2015	-0.7015	-0.3505	0.0105	0.4795
IRF4	690581	1.926	-1.039	-0.7285	-0.4935	0.3585	-0.3125	0.7325	-0.7205	-0.09	-0.3985	-0.9005	0.0825	0.2695	-0.1615	1.929	0.9585	-0.5535	0.5825	0.5355	0.5655	0.8515	-0.1625	0.1545	0.084	0.1405	-0.4285	-0.5695	-0.846	-0.2785	0.1095	0.6645
IRTA2	686573	2.215	0.45	-0.631	-0.761	3.027	-1.187	1.554	-0.74	-0.48	-0.701	-0.313	0.337	0.623	-0.031	3.138	0.925	-0.354	-0.87	0.446	1.138	1.025	0.166	0.4285	-0.4935	0.384	-0.093	-0.756	-0.7215	-0.721	-0.244	0.551
IRX4	682616	2.193	1.646	2.868	-0.81	-0.543	-1.482	-2.658	-1.72	3.04	3.826	0.293	0.861	1.374	-0.63	-2.193	1.145	0.06	-1.45	0.076	-0.069	-1.748	-1.997	-1.122	-0.2305	0.258	-0.06	3.15	-1.215	-2.277	0.367	0.317
ISG20	689588	0.1105	-0.9835	-0.1095	-0.1085	-0.3325	0.5005	0.1995	-0.4055	-0.89	0.3275	0.0005	-0.3885	-0.2335	-0.2485	-0.0505	0.7225	0.3845	-0.7445	-0.1485	0.1465	-0.1665	-0.2505	0.145	-0.6595	0.5205	0.1745	0.6905	0.118	0.0285	-0.0005	0.2875
ISGF3G	684521	1.039	0.864	1.799	0.231	1.139	0.497	0.671	2.916	-0.77	0.428	0.955	0.732	1.169	0.813	2.833	0.319	0.697	2.39	0.514	1.163	0.213	3.567	1.516	0.342	0.467	0.496	0.919	0.2255	0.569	0.592	0.939
ITGB4	692936	0.061	1.061	0.287	4.251	1.98	0.12	0.439	0.196	1.61	0.094	1.577	0.323	0.016	0.153	-0.032	0.633	1.216	-0.099	4.823	0.193	0.059	0.294	0.4685	1.232	4.219	3.56	0.441	0.2075	1.631	0.656	1.717
ITPR1	690279	-0.4435	1.577	-1.299	1.653	2.336	-0.0515	-0.7895	-1.01	1.24	-1.658	1.153	-0.8815	0.2125	-0.2475	-0.1095	1.822	1.036	-0.7155	1.58	1.557	-0.4635	-1.252	-1.686	-1.016	0.9045	-0.4905	0.9435	0.0515	1.264	-0.4445	0.2535
JARID1A	694293	0.248	0.974	2.177	0.334	0.397	0.636	0.19	0.964	-0.16	0.253	0.168	0.56	0.01	-0.04	1.125	0.553	0.413	0.315	0.85	0.815	0.841	0.789	0.7715	-0.001	0.609	0.227	0.183	0.5635	0.289	0.971	0.25
KARCA1	692006	-0.404	0.264	0.568	1.382	0.976	0.537	-3.487	-2.698	0.63	-2.575	-0.321	0.673	0.517	-0.212	0.056	-0.929	-0.128	-1.706	-0.65	1.723	-0.627	-1.221	-1.345	0.7255	-0.119	-0.056	2.049	1.188	0.177	0.063	-0.106
KATNA1	692605	0.171	-1.606	1.005	-0.498	-0.692	-0.262	0.117	0.018	0.34	-0.116	0.137	0.397	-0.265	-0.214	0.352	-0.723	-0.109	0.572	-0.331	-0.077	-0.168	-0.495	0.179	-0.492	-0.547	-0.548	-0.595	-0.6235	-0.978	-0.291	-0.15
KCNC2	686570	-0.2385	-0.0915	-0.4035	3.885	-0.4365	0.4915	0.1055	-0.3105	0.1	0.1135	2.384	0.2595	0.2635	0.1155	-0.5285	-0.4325	-0.2095	-0.0045	-0.0685	0.0405	-0.0145	-0.1115	-0.1135	0.176	0.7085	-0.2225	0.0045	-0.236	0.4835	0.0165	-0.1525
KCND2	683134	0.762	-0.167	-0.3252	-0.05	-0.541	0.339	-0.088	-0.836	-0.02	-0.255	1.134	-0.318	0.868	-0.365	-0.145	-0.935	-0.305	0.234	3.532	0.254	-0.241	0.04	0.3265	0.07	-0.169	1.023	0	-0.485	2.908	0.706	0.217
KCNK4	691761	1.143	0.253	-0.153	-0.386	0.087	0.16	0	-0.265	0.02	1.982	0.536	0.161	-0.17	-0.299	0.485	-0.219	-0.043	-0.321	0.29	0.03	0.164	-0.015	0.3865	0.9375	0.13	-0.308	-0.317	-0.2315	0.0365	-0.042	-0.443
KCNN4	692275	0.5145	-0.9385	-1.058	0.7795	0.6255	-0.2625	-0.2745	0.1055	0.57	-0.1015	-0.0075	0.3265	0.3575	-0.1335	-0.0635	-0.3045	-0.2495	0.3755	-0.0975	0.1375	0.2555	-0.2625	0.385	0.299	-0.6045	0.0075	-0.2075	0.0515	0.9145	-0.3345	0.1495
KCNS3	681093	0.8105	-1.818	-0.7305	-0.0395	0.6445	0.4795	0.5755	-0.3735	0.82	-2.35	-0.5925	-1.057	-1.337	1.212	-0.5235	-1.14	-0.6875	0.2625	-0.7165	0.2015	1.241	0.7615	0.13	-0.7325	-0.6055	-0.8995	0.8645	0.0395	2.71	-1.174	0.1115
KCTD15	689169	-0.0095	-0.7915	1.228	0.2995	-1.781	0.5365	0.3695	-0.0835	0.65	-1.072	-0.7435	0.9315	-1.146	-0.2765	-1.165	-1.154	0.8345	0.0825	-1.091	-0.0945	0.1585	-0.9515	0.654	0.5915	-0.1615	-1.036	1.119	0.827	0.4715	0.0095	-0.4995
KCTD3	686312	-0.424	1.102	-0.153	1.277	0.709	0.06	-0.369	1.074	0.61	-1.991	0.009	0.009	-0.919	0.669	-0.117	0.316	0.034	0.725	0.093	1.443	-0.023	-0.626	-0.545	-0.507	0.362	0.059	1.647	0.9325	-0.53	0.604	-0.036
KDELR2	697248	0.494	0.704	-1.632	-0.157	-0.383	-1.782	-1.093	-0.373	-0.55	0.99	-0.692	0.038	-0.915	-0.522	0.618	-2.166	-0.188	0.623	-1.287	-1.835	-0.311	-0.142	-0.0455	-1.391	-0.139	0.841	0.16	-0.2145	-1.079	-0.188	-0.612
KIAA0020	696703	-1.209	-1.48	-0.351	-1.059	-1.203	-1.013	0.225	-0.056	0.4	0.307	-1.334	-0.642	-0.593	-0.322	0.592	-1.024	-0.996	-0.915	-1.1492	-1.391	-0.675	-0.605	-0.747	-1.194	-1.288	-0.669	-0.828	-1.0375	-0.974	-1.288	-0.786
KIAA0101	691153	0.4655	0.6905	-0.5105	-0.3015	-0.6565	0.2295	0.2025	1.244	-1.26	2.724	0.0795	0.3455	0.9325	-0.5195	0.3875	-2.049	0.2695	1.542	-0.4445	-0.0795	-0.3635	0.3325	-0.5245	-0.8845	-1.178	0.7285	-0.3005	0.1165	-0.8245	-0.7485	0.6585
KIAA0153	694669	0.855	0.573	-0.13	0.496	0.467	0.378	0.77	1.336	-0.25	0.765	-0.624	0.749	1.024	0.285	0.087	-0.34	0.326	1.108	0.07	0.463	0.542	0.308	0.457	0.244	-0.948	0.077	0.118	1.161	0.203	0.149	-0.006
KIAA0182	691550	0.6547	1.988	-0.3683	-0.1133	1.845	-0.2483	-0.1743	-0.4393	-0.12	0.4647	-0.4633	-1.001	0.2877	-0.6973	-2.014	-1.481	-0.1833	0.4457	0.6397	0.2367	0.3287	-0.7663	-0.2813	-0.0418	1.202	0.3177	0.0518	-1.229	0.0418	0.6157	0.2637
KIAA0196	685973	-0.4475	1.698	-0.2605	-0.0145	0.3505	1.605	0.5125	0.8755	0.05	-0.5915	0.5945	0.4435	-0.0175	1.307	0.1785	-0.2845	0.5405	-0.1625	-0.6645	-0.2355	-0.3695	-0.5605	-0.3915	-0.711	0.2185	0.1415	0.5435	0.0145	-0.1625	-0.4275	1.007
KIAA0241	692587	-0.179	-0.195	-0.806	-0.86	-1.106	-0.704	-0.552	-0.489	-0.58	0.693	-0.644	-1.279	-0.2	-0.266	-0.414	-1.356	-1.126	0.216	-0.977	-1.107	-0.844	0.055	0.2045	-0.3335	-0.69	0.145	-0.584	-0.474	-1.412	-0.508	-0.414
KIAA0251	682227	-0.6855	0.9995	0.1235	-0.2255	0.6605	0.4725	-0.0365	0.1385	-0.07	-0.4865	0.1205	0.5415	-0.0435	0.2475	-0.1345	-0.9535	0.4905	0.2465	-0.6415	0.2045	0.0365	-0.1795	-0.043	-0.694	-0.1665	-0.2165	0.6515	0.0735	-0.5595	0.3625	1.036
KIAA0274	683166	0.2755	-0.0275	0.2265	0.5675	0.6465	1.736	-0.3915	-0.8155	0.05	-1.133	0.1025	-0.5295	0.6115	0.3595	0.3635	0.1255	0.2905	0.7065	-0.1195	-0.1105	-0.7125	-0.1495	-0.9155	-0.732	-0.0455	0.3415	0.2515	-0.628	0.4845	-0.3705	0.0235
KIAA0515	688133	0.042	0.236	-0.303	0.249	0.235	-0.098	0.93	-0.173	-0.11	-0.21	0.001	0.452	-0.695	-0.153	-0.276	0.18	0.642	0.65	-0.071	0.254	-0.001	-0.228	0.606	-0.4565	0.075	0.133	-0.303	-0.313	-0.126	0.064	0.142
KIAA0582	697645	0.127	1.104	0.375	1.435	1.696	2.661	0.262	0.554	0.59	-0.244	1.006	0.129	-0.122	0.203	0.311	1.047	1.236	-0.667	0.406	1.222	0.788	0.627	1.6665	1.8815	0.884	0.592	1.165	1.0665	1.064	0.9	0.869
KIAA0650	684609	-0.2685	-0.5445	0.6935	-0.7475	-0.0575	-0.3095	1.188	0.6515	0.43	0.4685	-0.6895	-0.3975	-0.4585	0.1945	1.322	-0.0595	-0.5925	0.6025	-0.0015	0.0015	0.2105	0.7385	-0.523	-0.5965	0.5675	0.0355	0.0535	-0.342	-0.2795	-0.4245	0.3645
KIAA0703	684139	1.224	0.8725	-0.1475	0.7515	0.5255	-0.4165	0.1585	1.706	-0.35	-0.4555	-0.5825	-0.7745	0.1625	0.0835	-0.6505	-0.8435	0.1905	0.2995	1.175	-0.2415	1.251	2.135	0.5875	-0.232	1.21	-0.9285	-1.774	-0.0835	-0.3255	-0.2915	1.072
KIAA0830	692561	0.823	-0.74	1.463	1.781	0.021	1.094	1.244	0.354	0.18	-0.67	0.475	-0.681	-0.282	0.659	1.534	1.026	0.052	0.293	1.749	1.95	1.708	1.158	1.0585	1.4795	1.01	0.398	1.499	0.208	2.018	0.835	1.045
KIAA0980	686300	-1.562	0.707	1.301	-1.309	0.049	0.385	-0.27	0.438	0.52	-2.163	-0.38	0.12	-0.042	-0.746	-0.138	-0.124	0.75	-0.614	0.398	0.383	1.184	1.034	1.073	0.501	-0.123	-1.294	0.042	-0.313	-0.851	0.159	-0.261
KIAA1324	690969	-0.7208	0.1552	-1.932	1.868	0.3792	0.0553	-3.935	-3.311	0.71	-4.858	0.1642	-0.8498	-1.489	-0.6358	-4.158	-0.4178	0.7782	0.2332	-0.3818	0.7792	0.6022	-0.6878	-0.7923	-0.0243	0.5782	0.0243	0.4472	0.2822	1.527	0.0993	-0.4308
KIAA1363	698389	0.781	-0.487	-1.503	0.01	-0.521	0.045	-1.608	0.848	-0.63	-1.056	-0.281	-0.596	-0.202	0.025	0.034	-0.39	-0.24	0.576	-0.397	0.202	-0.97	-0.645	0.2415	-0.309	0.037	0.145	-0.562	0.543	-0.135	-0.535	0.456
KIAA1683	684555	-0.0145	-0.6375	-0.2575	0.5655	0.5975	0.0425	-0.2205	-0.3065	0.65	-1.129	-0.3655	-0.3815	-0.1785	-0.2755	-0.5565	0.6475	0.5255	1.235	0.0145	-0.1375	0.6595	0.7675	0.362	0.4405	1.717	0.4415	1.692	-0.151	-0.2215	0.8625	-0.0735
KIF13B	689768	0.089	-1.391	-0.88	1.909	-0.518	2.473	-1.409	-1.592	1.48	-3.069	0.558	-1.683	-0.383	0.92	0.32	-0.131	-0.089	-1.531	0.149	1.88	-0.423	-1.264	-1.097	1.732	0.913	0.32	0.906	1.307	0.962	-0.298	-0.43
KIF24	692033	-0.132	-1.19	0.448	0.005	-0.215	0.275	0.584	0.466	0.06	-0.8	-0.121	0.106	0.155	0.354	-0.183	0.021	-0.025	0.138	-0.497	0.776	0.489	0.047	-0.076	0.1475	-0.236	-0.287	-0.283	-0.071	-0.575	0.205	-0.432
KIN	687329	0.047	-0.625	0.397	-0.01	-0.436	-0.335	-0.377	0.73	0.11	0.121	-0.569	0.134	-0.104	-0.226	0.406	-0.434	-0.303	0.389	-0.589	0.136	0.227	1.257	-0.0445	-0.4445	0.01	0.767	0.213	-0.39	0.656	-0.164	0.249
KIRREL3	693623	0.428	0.312	0.667	-0.344	1.81	-0.443	0.134	-0.011	-0.04	0.058	0.318	0.35	-0.228	-0.237	0.175	-0.054	-0.311	0.055	0.193	-0.073	1.953	0.541	0.354	0.8065	0.037	0.141

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB352	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
KRT18	689283	0.865	2.4	-1.884	-0.061	0.312	0.611	-1.874	-2.003	-0.06	1	0.31	-1.487	-0.078	0.13	-2.135	-1.697	-0.661	-0.218	-0.441	0.171	-0.105	-0.65	0.268	0.091	-0.244	0.919	-0.227	-0.278	0.132	0.444	0.491
KRT23	689793	0.396	-2.402	-0.093	0.437	-3.047	-0.886	2.906	0.693	-0.15	0.294	-2.513	3.46	0.201	-1.105	1.815	-0.353	1.7	-1.587	-2.298	2.736	1.998	2.765	0.204	-0.7495	-2.769	-3.09	2.078	-2.111	-0.992	-1.109	0.267
KRT6B	696954	4.848	2.002	0.16	1.751	0.356	0.841	1.186	4.578	2.09	-1.439	1.33	2.001	1.722	2.682	4.762	1.542	2.236	3.666	2.236	0.616	-0.468	5.629	1.26	0.0235	2.129	2.488	1.523	0.148	1.3599	2.125	2.66
KRTAP3-3	684073	-0.9695	-0.7195	-0.9445	5.528	-0.9005	0.1985	-0.1445	0.0485	0.12	0.0795	-0.0295	-0.0455	0.0615	-0.0635	-0.1505	-0.0215	-0.0255	-0.2755	-0.0775	1.433	0.0125	0.1955	-0.2525	0.111	0.3245	0.1785	0.0715	0.0005	0.3135	-0.0265	-0.0955
KRTHA7	683234	-0.3275	2.165	-0.1775	0.0065	-0.2075	0.2055	0.1075	-0.0285	-0.09	-0.2355	0.9615	-0.0115	0.9075	-0.1405	0.0165	0.2865	0.6905	-0.3435	-0.3975	0.4395	-0.1585	-0.1095	-0.0065	0.219	2.659	0.0125	0.6825	0.1655	-0.3725	0.5215	-0.3495
LAMA3	689785	-0.4585	-0.0555	-0.7935	0.8125	-0.6985	1.121	-0.4525	-0.7865	1.58	-1.073	1.64	-0.2535	-0.6365	-0.6425	-0.6515	1.499	1.084	-0.3805	0.6215	0.7215	-0.1335	0.9305	-0.656	0.6455	0.3365	-0.1975	0.0885	0.9525	0.6925	-0.2365	0.0555
LAMB3	764691	-0.889	-2.46	0.534	-1.473	-1.52	-2.45	-2.149	0.063	2.61	-1.501	-2.46	-1.75	0.96	-1.49	-0.326	0.697	-1.46	-0.03	-1.417	-1.01	-2.06	-0.462	-2.197	-0.4865	-0.445	-1.139	1.548	-0.683	-2.828	-0.61	-1.114
LASS2	595705	0.699	0.62	-0.655	0.178	-1.464	-0.33	-0.61	-0.899	-0.1	-1.651	0.442	-2.588	1.192	0.931	0.876	-0.293	-0.616	-2.627	-0.637	0.109	-1.763	-1.544	-1.616	0.3965	0.185	0.17	0.746	0.4815	-1.049	0.073	0.404
LAX	682690	1.475	-0.4945	-0.1255	-0.4845	-0.0945	0.0625	0.3175	-0.3555	-0.27	-0.5975	0.2645	-0.0475	0.0585	-0.1565	1.929	-0.3505	-0.0435	0.1885	0.7385	0.4585	0.3695	0.0628	0	0.2035	0.3605	0.0195	-0.3545	-0.5325	-0.4015	-0.1145	0.0535
LBR	681309	0.0268	-0.9573	1.065	-0.9203	-1.236	-1.638	1.534	1.795	-0.36	1.369	-0.6453	0.7137	1.009	0.5807	2.137	0.7837	-0.8533	-0.5383	-0.3583	0.1157	0.2737	0.3717	-0.0098	0.3847	0.0098	-0.1263	-0.6963	-0.2398	-0.4773	-0.2943	0.8407
LCE1B	693795	-1.215	-0.114	-2.003	-1.614	0.205	-0.104	-1.241	0.5	0.56	-0.929	1.415	0.684	-0.832	-0.62	-1.065	-2.129	-2.397	-0.031	-1.797	0.074	-0.867	0.257	-0.33	-0.0265	-0.063	0.393	0.674	0.638	0.58	-0.697	-2.031
LDHB	683774	-1.295	-1.465	3.404	-1.492	1.548	-1.471	0.3055	0.7935	0.62	2.133	-0.3705	0.7535	-0.7505	0.7625	2.881	0.7575	-0.6215	-1.365	1.479	-1.199	0.8775	0.7505	-0.4535	-1.293	0.2535	-0.9065	-1.627	-1.825	0.5515	-0.7505	-0.2535
LDOC1L	692299	-0.734	-0.242	-0.156	-0.475	-0.184	-0.123	-1.184	-0.031	0.58	-0.865	0.712	-0.61	0.769	0.007	0.179	-0.172	-0.499	-0.373	-0.506	-0.213	-0.36	-1.434	-0.4975	-1.002	-0.556	0.272	0.563	-0.5835	0.266	-0.683	-0.351
LETMD1	682701	-0.37	0.269	-0.171	0.481	0.234	0.169	-0.376	-0.335	0.46	-0.821	0.092	-0.193	-0.525	0.42	-0.171	0.998	0.116	-0.025	0.486	0.225	0.084	-0.35	-0.475	-0.3085	-0.037	-0.389	-0.109	0.742	0.571	0.025	-0.075
LFNG	683275	0.9885	1.414	-2.457	1.047	-1.213	-0.5685	-1.195	-2.95	0.74	-0.7425	-0.0455	-2.063	-0.2635	-1.933	-1.333	-0.2245	-0.2695	1.527	0.0885	0.7435	0.8935	-0.9515	0.0455	0.567	2.103	-0.2915	0.7175	-0.246	1.438	1.059	1.227
LGALS2	696910	1.322	-1.677	-1.629	-0.856	-1.07	-1.665	0.964	-0.576	0.77	-1.35	-1.221	0.25	1.032	-0.608	1.232	0.762	-0.19	0.963	0.042	-0.4	1.486	0.242	0.066	0.007	0.375	-0.543	-1.574	-1.341	-0.731	-0.769	1.699
LGTN	694133	-0.111	-0.03	-0.33	0.249	0.683	0.066	0.239	0.687	0.24	-1.937	-0.594	0.758	0.254	0.267	-0.16	0.536	-0.359	-0.215	-0.287	0.237	0.535	0.113	0.108	-0.2695	-0.857	-0.471	0.852	0.313	-0.012	-0.123	-0.068
LNX	686766	1.059	0.4855	0.4645	1.022	1.473	0.3195	-1.533	0.3675	-0.22	-1.362	0.0895	-0.7715	0.1295	-0.4795	-2.09	-0.7075	-0.0405	-0.0595	0.4405	0.7895	-0.7685	0.3185	-1.413	-1.039	0.0405	0.7425	0.5925	-0.6855	0.5515	-0.3495	-0.4665
LOC11247	687612	-1.258	-2.96	-1.331	-2.643	-3.366	-2.197	-0.72	-0.73	1.13	0.282	-2.465	-1.896	-1.224	-2.029	-0.847	-3.265	-2.479	-0.747	-2.513	-2.515	-2.005	-1.177	-1.648	-2.91	-2.817	-1.63	-2.931	-2.764	-2.775	-2.231	-2.229
LOC11492	691804	-0.175	0.597	0.868	0.51	0.049	0.984	-0.491	-0.767	0.12	-0.313	-0.157	1.117	0.06	-0.42	0.471	-0.725	-0.163	-1.414	-0.519	-0.049	-0.632	0.588	-1.039	-0.5605	0.734	0.685	1.03	0.153	0.235	-0.18	-0.616
LOC11497	691267	0.236	-0.17	2.071	0.078	-0.375	0.024	0.801	-0.44	-0.3	0.476	0.28	-0.102	0.264	-1.102	0.849	0.338	-0.842	0.258	-0.304	-0.052	0.282	0.381	0.855	-0.1985	-0.704	0.017	-0.211	-0.0625	-0.819	-0.017	0.022
LOC11621	688452	-0.1075	-0.2555	0.3685	0.3075	0.4955	0.1545	0.6275	0.9725	0.26	-0.0965	-0.7115	-0.5035	-0.6605	0.5605	-0.3195	-0.9385	0.3175	1.269	0.1655	-0.2745	0.0715	-0.9335	-0.4405	-0.111	0.6765	0.1595	0.7705	-0.0375	0.1115	-0.4985	-0.5935
LOC11644	695259	0.464	0.334	0.558	0.591	0.467	0.307	0.381	0.262	0.88	0.282	0.238	0.301	0.586	0.329	2.256	0.283	0.396	0.443	0.81	0.35	0.069	0.479	0.3305	0.5815	0.701	0.683	0.282	0.445	1.388	0.194	0.593
LOC12022	693599	0.835	-3.311	-2.524	-1.893	-2.913	0.532	-3.381	-3.375	1.8	-2.136	1.039	-2.841	-3.274	0.439	-3.212	-1.809	-0.633	-0.097	-2.039	-1.507	0.145	-2.583	0.0155	-1.429	-2.346	-0.573	0.017	-1.405	-3.098	-2.193	2.212
LOC12422	694406	3.766	1.817	0.835	3.368	2.587	3.024	-0.113	3.57	0.41	-1.997	2.633	3.465	1.358	1.678	1.223	0.099	1.935	2.056	2.667	3.382	2.895	1.4	2.6375	3.566	3.378	2.938	2.669	2.6575	3.38	2.731	3.181
LOC14654	687013	-0.5985	0.2605	-0.2725	0.3755	0.2915	1.288	-0.1475	-1.324	0.16	-1.003	0.1705	0.0875	-0.2705	-0.5585	-0.4975	-0.2615	0.0935	-0.1775	0.2455	0.6165	-0.0535	-0.1915	0.0995	0.5425	-0.5235	-0.4645	0.9295	0.32	0.1415	0.1905	-0.4615
LOC15506	683455	-1.779	1.665	-1.782	-0.258	0.08	-0.498	-2.835	-1.304	0.49	-0.709	0.839	-1.906	0.445	-1.32	-1.441	-0.597	0.227	-1.308	0.469	0.145	-2.572	-2.782	-3.099	-0.5675	0.832	-1.029	-0.611	-0.579	-0.268	-1.254	-1.11
LOC20165	694158	0.646	1.281	-1.598	0.203	0.171	0.939	-0.988	-0.647	0.18	-1.677	1.434	-0.829	1.624	0.933	-0.51	0.165	0.65	0.168	0.273	1.003	0.618	-0.927	0.481	-0.3575	0.667	0.021	1.609	0.0415	0.615	-0.069	1.284
LOC25398	689291	-0.523	0.284	0.059	2.521	1.153	0.249	-0.14	0.041	-0.54	-0.242	-0.53	1.061	0.107	-0.152	-0.451	0.429	-0.354	-0.088	0.223	-0.991	-0.041	0.465	-0.351	-0.2025	-0.057	-0.939	1.04	1.292	2.944	0.656	-0.438
LOC33990	685165	0.3735	-0.7585	-0.4425	-1.112	1.15	2.048	-0.3895	-0.9455	0.98	0.6505	-0.1555	-0.3845	0.1395	-0.1505	-1.142	0.2085	2.944	-0.7945	-0.1195	-0.6815	-0.5885	0.8815	1.078	-0.0245	-0.0015	0.7255	-0.0475	1.972	0.7655	0.0015	1.489
LOC34817	686995	-0.474	0.429	-0.284	0.082	0.588	0.529	0.692	-0.066	0.67	-0.084	-0.104	1.142	-0.008	0.372	-0.095	0.003	-0.335	-0.007	0.566	0.233	0.577	0.003	-0.012	-0.0625	-0.003	0.302	-0.351	-0.3046	-0.042	0.554	-0.322
LOC40045	683489	0.3985	0.0945	-2.407	0.9165	0.0185	0.7945	-1.649	-1.903	0.39	-1.232	0.1115	-2.059	-0.5845	0.5886	-2.711	-0.9845	0.8905	-0.4555	-0.0005	0.4075	2.099	-0.2205	-0.3755	-0.6985	0.5845	0.0005	0.1005	-0.0655	0.6025	-0.3965	0.3965
LOC44086	696189	-2.027	0.559	-0.565	0.713	1.485	1.421	0.598	0.458	0.21	-0.108	0.871	-0.125	0.605	1.241	0.845	0.84	2.259	-0.533	0.09	1.213	1.163	1.605	1.7205	0.3925	1.349	1.188	-0.394	1.4835	1.039	1.704	0.394
LOC49386	684635	0.088	-0.249	-1.804	-1.374	-0.045	-1.804	0.436	-0.894	0.33	0.655	0.464	-0.962	-0.09	0.862	0.606	-0.194	0.306	1.359	-1.074	-0.373	-0.194	0.736	0.4195	-0.639	-1.284	0.706	0.286	-0.423	-0.504	0.289	1.376
LOC51123	697791	-2.008	0.761	-2.058	-2.648	-2.228	-2.111	-3.078	-2.677	-0.48	-2.011	-2.969	-1.913	-2.563	-2.803	-2.513	-2.636	-2.292	-2.149	-1.871	-2.807	-2.207	-1.8	-0.758	-1.9965	-2.172	-2.657	-2.514	-2.4585	-2.449	-2.152	-2.782
LOC51161	695670	-0.267	0.219	-0.442	1.805	1.162	1.904	-0.14	-0.807	1.06	-0.408	0.476	0.3	-0.679	-0.197	0.259	0.867	1.618	-0.521	0.884	2.731	-0.533	-0.294	0.9105	2.4345	1.505	0.484	1.636	1.112	1.77	0.912	0.703
LOC51321	694469	-0.858	-0.912	-0.446	-0.202	-0.578	-0.658	-0.931	-0.639	-0.15	-1.028	-0.715	-0.56	0.425	-0.728	0.49	-0.54	-0.97	-0.649	-0.604	-0.585	-1.285	0.511	0.198	-0.5225	1.628	-0.866	0.386	-0.1875	-0.435	-0.392	0.491
LOC51760	694904	1.832	1.043	-1.526	2.887	0.229	3.923	0.135	-0.662	0.07	0.519	1.35	-0.779	0.453	0.75	-0.458	0.484	2.538	0.357	1.994	2.464	1.93	0.559	2.3175	1.0935	-0.794	1.762	2.577	2.0775	-0.11	1.505	2.557
LOC81552	682974	-0.2025	-0.0285	1.016	-0.6145	0.3315	-0.5895	-0.2965	0.1125	0.55	-0.5255	0.6365	0.5635	-1.035	-1.501	0.4315	0.4885	-0.4045	-0.3385	1.234	0.0295	-0.6155	-0.8135	0.047	-0.374	1.31	-1.14	-0.3295	0.6355	0.2615	0.0285	-0.1575
LOC81569	695594	-1.783	-0.221	-0.732	-2.165	0.041	-1.494	5.466	-0.453	-0.22	-1.365	-1.607	0.347	-0.857	1.823	2.221	-0.526	-0.88	-0.363	-0.731	-0.892	-1.008	0.153	-1.0305	-0.432	-1.921	-0.992	-1.1	-0.5535	-1.291	-1.276	-1.482
LOC90355	690384	-0.8795	1.028	-0.5715	0.8655	0.0795	0.5975	-0.8935	-0.6415	-0.06	0.0945	1.271	-1.502	0.1235	-0.2425	-0.3685	0.0595	0.3965	-0.5065	0.2825	-0.0555	-1.818	-0.8765	-1.225	-0.1525	1.16	1.189	-1.797	0.256	0.0895	0.0555	-0.1715
LOC90701	691788	0.6155	-1.251	0.0025	0.3845	1.405	-0.9835	0.0135	-1.148	-0.44	-1.585	-0.3055	0.0895	0.2115	0.0115	0.4385	-1.199	-1.078	-0.7805	0.9285	0.5375	0.3035	-1.041	0.4225	-0.467	0.3655	-0.5805	-0.0855	-0.9705	1.564	-1.039	-0.0025
LONP	694535	2.462	1.317	-0.132	0.37	1.277	2.517	0.549	0.254	0.1	0.574	0.455	0.894	0.907	0.204	-0.16	-0.869	0.527	0.772	2.546	0.744	-0.063	-0.112	-0.8675	-0.335	0.132	0.464	0.67	-0.634	0.661	0.467	-0.468
LRAP	694401	0.062	0.041	-0.454	0.476	1.011	-0.378	0.083	-0.326	-1.35	0.092	0.462	-1.181	-0.134	-0.796	-0.086	-1.002	0.372	-0.107	-0.041	0.137	-0.908	-0.914	-0.066	0.4755	0.665	0.572	-0.087	0.0855	1.032	-0.55	0.407
LRBA	689005	-0.0643	0.8837	0.7387	0.9487	-0.3023	0.4107	-0.7713	0.1077	0.19	-0.4043	0.0568	1.679	0.1807	0.0168	0.4397	-0.7023	-0.6023	-1.373	-0.2683	0.4187	-0.5103	-0.0953	-1.134	-0.0168	-0.0473	0.8537	0.3127	0.1772	0.6027	-0.2043	-0.5243
LRIG1	696909	0.684	1.274	0.446	2.252	3.361	2.316	-0.25	1.362	1.16	-0.783	1.04	0.528	0.547	1.132	0.031	0.886	2.337	0.888	2.697	3.064	1.899	0.554	0.97	1.6775	1.991	0.765	2.987	2.3605	2.211	1.236	1.364
LRP6	688139	-0.8435	-0.0715	2.146	-0.3445	0.6835	-0.4485	-0.9655	0.4775	0.34	-1.372	-0.3905	0.8455	-0.7015	-0.7305	1.53	0.1025	0.3385	-1.485	0.4335	0.0715	0.1635	0.5835	-0.2435	0.1235	-0.1155	-0.2195	-0.6725	0.287	0.1855	0.6275	-0.3115
LRP8	684430	1.342	-0.216	2.429	-1.389	0.071	-0.548	2.225	2.508	-1.2	-0.027	-0.895	2.233	1.215	0.293	1.685	-1.284	-1.188	0.954	-0.618	-1.165	0.393	1.369	0.534	-0.224	0.02	-0.02	-0.982	-1.252	-0.77	-0.976	0.655
LRRC17	689237	0.3715	0.4165	0.4245	0.4845	0.4585	-0.3455	0.1065	-0.2305	0.65	-0.6695	-0.4055	-0.5555	0.3825	-0.2585	0.5375	0.5445	-0.3675	0.0165	-0.3145	0.8315	-0.1165	0.4635	-0.7625	-0.3325	1.434	-0.0735	-0.0155	0.4305	-0.1695	0.1755	-0.2625
LRRC2	696221	0.98	0.407	0.11	1.081	-0.019	1.626	-0.33	0.395	0.05	0.342	1.363	-0.501	0.823	0.954	0.777	0.298	0.999	0.884	0.676	1.187	0.142	-0.172	0.0255	-0.2035	1.936	1.996	1.356	0.578	0.927	1.511	1.079
LSM1	693186	-0.52	0.335	0.387	-0.215	-0.75	0.64	-0.05	-0.211	0.37	0.197	-0.416	0.635	0.071	-0.571	0.089	0.07	-0.56	-1.151	-0.414	-0.768	-0.16	0.548	-0.8535	-0.9355	-0.351	0.56	0.173	-0.29	-0.116	-0.457	-0.541
LSM8	689434	-0.276	-0.314	0.303	0.15	-0.035	-0.482	0.368	0.589	0.04	-0.199	-0.271	-0.857	-0.061	-0.273	0.04	-0.637	0.009	0.019	-0.067	2.349	0.019	0.163	0.0155	-0.239	0.03	0.371	-0.009	0.4055	-0.622	0.238	-0.125
LTB	695788	3.347	0.322	3.221	1.519	1.604	1.236	4.626	3.237	-0.16	0.963	1.77	1.96	2.547	1.563	3.895	3.772	2.589	3.654	2.986	2.826	4.432	3.828	4.0365	2.185	3.74	2.625	1.042	0.884	1.975	1.782	3.948
LY6D	688248	1.027	0.078	1.451	-0.348	0.058	-0.459	2.057	1.756	0.06	0.594	-0.018	-0.024	0.826	-0.436	2.971	0.018	-0.095	2.673	-0.673	-0.579	0.088	1.163	0.431	1.7	-0.51	-0.286	-0.309	-0.2305	-0.296	-0.525	0.049
LYN	690653	-0.072	-0.558	-1.158	-0.624	0.096	0.209	1.515	1.61	-0.72	1.339	0.206	1.239	-0.252	-0.339	1.327	-0.17	-0.355	0.121	0.278	-0.199	0.697	1.93	0.5005	-0.876	-0.257	-0.01	-0.62	-0.2775	0.302	-0.304	0.717
MAD2L1	684649	0	0.51	0.506	-0.599	0	-0.92	0.919	1.566	-0.84	2.496	-0.08	0.54	1.5	0.25	2.472	1.23	-0.33	1.06	-0.684	-1.3	-0.871	0.22	-0.8125	-1.263	0.463	0.829	-0.476	-0.5575	-0.61	-0.51	0.482
MADP-1	687176	-0.1515	0.3195	-0.5105	0.2695	0.2675	0.1105	-0.9015	-0.3885	0.16	-0.2235	0.3035	0.2795	-0.0195	-0.6115	0.4235	-0.3745	-0.1685	-0.4225	0.2345	0.2175	-0.3385	0.0515	-0.4245	-0.52	-0.0235	0.6595	0.2565	0.072	-0.0775	0.1645	-0.0955
MAGEA12	696395	-0.962	-0.71	-2.984	-0.308	-1.226	-1.284	-2.599	-3.087	-0.12	-3.026	-0.54	-2.854	-1.742	0.589	-1.661	0.116	-0.052	-1.329	-0.806	-1.112	-1.043	-2.383	-0.9455	-1.4125	0.389	1.09	-1.657	1.601	-2.154	-0.978	0.76
MAGEA2	698763	-3.019	1.304	-4.248	-3.628	-2.728	-2.588	-3.868	-3.765	-0.14	-2.961	-3.217	-3.904	-3.617	-3.346	-3.427	-3.576	-3.296	-3.572	-2.955	-3.428	-3.201	-2.086	-0.4455	-3.768	-3.81	-4.067	-3.969	-3.8185	-3.81	-2.954	-4.013
MAGEA3	689265	-1.154	0.0955	-1.544	1.409	0.6485	0.8065	-0.4895	-0.8495	-0.04	0.3715	0.0165	0.8915	0.3585	0.3495	-2.116	-0.1865	-0.2265	-1.195	0.3235	-0.0525	-0.8675	-1.18	-0.208	1.075	-0.1085	0.7975	1.017	0.5875	-0.0165	0.9925	-0.3085
MAGEA4	690918	0.5115	4.455	-0.3795	-0.3655	-1.126	-0.1535	-0.1895	0.3765	0.02	1.04	-0.5555	0.0295	-0.0455	-0.5785	0.2755	0.3225	-0.5455	0.5585	0.1145	-0.4495	0.7005	1.869	2.856	0.177	-0.1335	-0.1985	-0.5145	0.2445	-0.5135	-0.0295	0.0935
MAGED4	683069	-0.0815	0.1475	2.092	-0.5325	0.1685	-0.3125	-0.6485	-0.4135	0.15	2.023	-0.4495	0.0745	2.831	-0.0065	-0.8945	1.119	0.0565	0.1095	-0.3765	-0.8585	0.0065	2.07	0.2625	-0.347	0.0395	0.1915	-0.3715	-0.2815	-0.4235	1.395	-0.3685
MAGI1	688247	0.0075	-2.313	2.145	2.706	0.3435	-0.9205	0.9085	2.77	0.39	-2.205	-0.8445	1.629	-0.0455	-1.157	1.609	-0.2665	-0.7935	1.526	3.035	1.055	-0.0075	-0.1935	-0.579	-1.814	-1.407	-1.658	0.2525	-2.031	4.199	-1.463	0.8735
MAGI-3	692838	0.814	1.005	0.2	1.404	0.286	1.508	0.838	0.648	0.63	-0.108	1.116	0.138	1.142	0.5539	-0.013	-0.298	1.394	1.319	0.484	1.041	1.593	0.507	1.042	0.114	1.309	1.38	1.253	0.753	1.811	0.924	0.588
MAL2	683958	-0.442	1.323	0.649	-0.09	-0.757	0.269	0.867	1.108	-0.42	-0.744	-0.734	1.807	0.823	1.251	0.874	0.576	0.382	1.083	-0.115	-0.976	1.623	-0.321	2.446	-2.038	-0.767	0.452	-0.359	-1.458	-0.61	-1.411	0.09
MAN2B1	690298	-0.001	1.436	-0.626	0.208	0.476	0.303	0.588	-0.174	0.32	-0.842	-0.431	-1.06	-1.03	-1.14	-0.69	0.353	0.348	-0.4	-0.403	-0.596	0.182	-0.591	1.023	0.577	0.12	0.479	0.025	-0.1965	0.204	0.001	0.268
MAPK8IP2	693222	0.296	1.261	-0.566	2.881	2.356	1.604	1.105	2.511	0.86	1.309	2.011	0.532	1.787	1.78	1.653	0.165	0.976	1.948	2.371	0.872	-0.071	0.209	2.8355	2.161	1.953	2.399	2.387	1.8115	2.798	1.396	0.913
MARCO	691594	2.873	-0.1515	3.213	-0.1485	0.0335	-0.3605	1.812	3.011	-0.95	1.703	0.0605	2.12	0.0585	-0.2065	2.128	-0.6075	-0.4845	3.02	-0.3655	-0.0445	-0.5435	1.151	1.874	-0.06	0.0455	-0.2165	0.0215	-0.0215	-0.2855	-0.4995	0.6955
MARLIN1	687609	3.237	1.223	-0.7675	-0.5715	0.8475	-0.6505	0.4555	-0.7735	-1.19	-2.007	-0.0755	0.0755	1.27	-0.3475	1.441	0.4645	0.2495	1.535	0.9545	0.9175	-0.1035	-0.1835	1.151	0.4505	0.3455	-0.4705	-1.199	-0.5675	3.33	-0.3425	-0.1725
MASS1	687008	1.843	0.1442	-1.634	0.8152	-1.15	-0.2758	-2.188	-1.006	1.23	-1.177	-1.282	-1.366	1.291	0.6132	-0.7058	-0.6208	-0.0998	-0.8038	-0.7358	-0.4518	0.9532	-1.187	1.017	0.0998	0.7552	0.7122	0.1392	0.5222	1.012	-0.2408	2.215
MCM2	694711	-0.246	-0.217	-0.803	-0.969	-0.784	-0.475	-0.36	-0.196	-0.46	-0.037	-0.813	-0.68	-0.352	-1.069	1.444	-1.655	-0.538	-0.047	-0.824	-0.593	0.161	-0.018	-0.3995	-0.493	-0.833	-0.058	-0.513	-0.6895	-0.642	-0.507	-0.448
MCM3	696856	-1.384	-1.743	-0.804	-1.33	-1.578	-0.65	-0.319	-0.404	0.03	0.028	-1.525	-0.423	-0.959	-1.543	-0.653	-1.475	-1.818	0.313	-1.117	-1.284	-1.028	-0.192	-1.333	-1.939	-1.295	-1.309	-1.621	-1.374	-1.379	-1.359	-1.217
MESP1	697846	-0.816	2.173	1.032	-1.418	0.147	1.865	0.901	0.964	-0.91	-0.773	-0.367	0.99	-0.89	0.7484	0.934	0.269	0.138	1.614	2.375	-0.317	3.172	3.107	2.833	1.665	2.985	0.118	-0.807	-0.5525	-1.483	0.355	3.999
METRN	691541	0.4155	0.4545	-1.302	0.3745	1.098	0.7915	-0.2725	-0.6895	-0.04	-0.9375	-0.6035	1.414	0.8135	0.2135	-2.579	-0.6545	-0.1825	-0.1165	0.6205	0.5775	-0.4245	-2.108	-1.492	0.925	-1.028	0.1065	1.242	-0.582	0.8595	0.5175	0.0665
MFAP2	682204	-0.0785	0.3665	0.1085	-0

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.768	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.028	1.035	1.308	-0.534
MGC1560	681291	-0.176	-0.139	-1.006	1.169	0.351	-0.167	-0.427	0.246	0.11	-0.673	0.461	-0.206	-0.557	0.372	1.806	0.257	0.512	-0.491	0.091	1.039	-0.211	-0.218	-0.5855	-0.147	2.239	-0.091	0.488	0.6585	-0.188	-0.31	0.221
MGC1663	695059	-2.565	-0.2805	-0.4805	3.131	5.665	-0.2125	-2.567	-2.923	-0.17	-4.364	-1.289	-2.587	0.4435	-2.169	-0.6285	1.14	3.925	0.2125	-2.074	4.405	-1.389	1.411	0.545	-0.2295	-3.418	0.7695	4.63	3.062	1.355	1.712	-0.5845
MGC1673	684966	-0.0425	0.5015	0.4745	-0.1335	-0.1705	0.4975	-0.6335	0.1375	-0.13	-0.6055	0.6065	0.3095	2.728	-0.4235	-0.0715	1.045	0.1365	0.2135	-0.4575	0.0495	0.3095	-0.0065	0.024	-0.253	-0.1805	0.2595	0.0415	-0.3405	-0.1755	-0.5435	0.1345
MGC2053	692614	-0.242	-0.953	-0.581	-0.768	-1.16	-0.458	0.366	-0.606	-0.38	0.033	-1.137	-0.605	-1.082	-1.38	-0.1226	-0.909	-0.48	0.627	-1.354	-0.905	-0.538	0.047	-0.082	-1.3245	-0.805	-1.373	-0.922	-0.6885	-1.538	-0.753	-0.814
MGC2398	684508	1.494	0.0478	0.043	-0.622	-0.244	-0.452	-0.385	-0.228	-0.45	0.486	-0.082	-0.304	-0.446	0.377	1.55	0.097	0.13	0.452	-0.318	-0.266	0	2.218	1.662	0.099	-0.099	0.789	0.338	0.217	-0.485	0.887	-0.477
MGC2610	685994	-1.609	0.0145	1.463	0.7695	-0.0205	-0.9605	-0.6675	-0.4385	0.62	-0.4885	1.139	-2.041	-1.283	0.9665	0.6895	-0.3435	0.4225	-0.1955	0.8575	-0.1615	-1.121	-1.935	-1.121	-0.1385	0.6145	0.2245	0.2435	0.747	0.9705	-0.0145	0.2805
MGC2714	681884	0.1745	-0.4625	1.662	-0.4645	-0.3295	-0.4165	0.2175	1.032	-0.15	0.5315	-0.6355	0.0355	-0.2135	0.6655	0.6125	-0.1825	-0.2905	-0.3065	0.0115	-0.4325	-0.0115	0.5725	-0.53	-0.3315	-0.6055	0.9095	0.1835	0.0445	0.1095	-0.3885	0.3625
MGC2716	682082	3.139	-0.168	-0.936	-0.026	0.246	-0.71	-0.231	-0.925	-0.69	-0.591	-0.823	0.518	1.363	0.404	3.06	-0.081	-0.391	-0.483	1.405	1.39	0.104	0.228	0.4445	0.104	1.532	0.784	-0.56	-0.795	-0.67	0.026	-0.585
MGC2716	685085	0.144	1.937	-1.008	-0.89	-0.182	-1.427	1.079	0.298	-0.88	-0.45	-0.736	0.418	-0.696	-0.565	-0.329	0.557	1.049	-0.231	-0.456	-0.905	0.26	1.375	0.265	0.343	0.391	0.283	-1.075	0.171	-0.37	0.691	0.74
MGC2716	687819	3.754	0.513	-0.616	-0.005	1.548	-0.831	0.436	-0.547	-0.89	-0.587	-0.101	1.493	1.65	0.919	3.406	-0.266	-0.276	-0.354	0.658	1.25	-0.064	0	0.7755	0.3435	0.959	0.579	-0.299	-0.4365	-0.53	-0.2006	-0.137
MGC2716	694146	4.665	1.541	0.384	0.968	0.989	0.371	1.019	-0.029	-1.26	0.541	1.021	2.288	1.752	1.337	4.368	0.174	0.803	0.435	2.499	2.185	1.083	1.147	1.7465	1.18	2.011	0.937	0.554	0.267	0.444	0.647	0.742
MGC2716	695966	4.636	1.191	0.391	0.954	2.265	0.217	1.424	0.096	-0.65	0.438	1.062	2.447	2.65	2.274	4.197	0.395	1.135	0.638	2.685	3.083	0.966	0.877	1.5745	1.1085	1.811	1.504	0.728	0.426	0.584	1.556	0.749
MGC2987	692023	-0.5777	0.2763	0.8963	0.2153	-0.0718	-0.7687	0.6853	1.386	0.13	0.4183	-0.4407	0.8153	-0.1907	0.1963	1.155	-0.1657	-0.5087	-0.8367	-0.7567	0.1153	-0.4137	0.2413	-0.4777	-1.156	-0.2747	0.0143	1.05	-0.0143	-0.4077	-0.4067	0.7033
MGC3212	693269	-0.766	0.368	-1.473	1.696	1.778	1.504	-1.208	-1.198	0.68	-0.784	0.506	-1.072	0.113	-0.39	-1.277	0.499	0.014	0.203	1.231	1.64	-0.524	-0.528	-0.4535	0.9035	0.345	-0.39	0.805	0.993	2.265	-0.346	0.029
MGC3321	692025	-0.419	-0.744	1.469	0.061	0.251	-0.152	1.263	-0.012	-0.18	-0.462	-0.901	1.387	0.69	-0.394	0.608	-0.123	0	0.109	-0.16	0.384	-0.241	0.664	-0.1495	0.4555	0.209	-0.34	0.37	0.4415	-0.2331	0.532	-0.53
MGC3464	692812	1.027	0.032	3.023	1.116	1.256	0.312	2.957	3.742	0.8	0.233	0.901	3.43	0.343	0.588	3.246	2.605	1.318	2.217	1.852	0.882	1.56	3.996	2.722	1.3815	2.187	1.328	1.141	1.0165	1.707	1.078	2.895
MGC3492	691559	0.489	0.152	0.016	-0.812	-0.022	-0.144	0.465	3.041	-0.55	1.358	-0.867	0.343	0.851	0.468	2.074	-0.653	-0.016	2.606	-0.702	-0.495	-0.055	1.167	0.3955	0.141	-1.096	-1.336	-0.866	-0.5165	-0.32	0.639	-0.307
MGC4021	695104	0.13	1.06	0.1	4.29	1.276	1.432	0.104	0.293	0.18	0.167	2.875	-0.145	0.115	0.003	0.078	0.3	0.422	0.105	-0.014	3.69	-0.238	0.244	0.1105	1.888	0.469	3.171	3.318	2.7775	0.834	2.51	0.265
MGC4251	693469	-0.437	0.275	-2.304	-0.452	0.88	2.443	-0.629	0.301	0.84	0.821	1.135	0.082	-1.457	-0.508	-0.24	0.058	-0.584	0.514	0.411	0.623	-1.114	-0.303	0.6885	0.452	0.368	-0.718	0.87	0.099	0.932	0.918	0.589
MGC4308	691305	0.23	-1.117	0.507	-0.28	-0.713	-0.666	0.181	1.198	-0.2	0.758	-0.676	0.067	0.271	0.355	1.804	-0.913	-0.051	0.86	-0.202	-0.079	-0.559	0.562	0.002	-0.728	0.054	0.17	0.059	-0.1315	-0.002	-0.526	-0.163
MGC4606	683786	-0.5625	-0.3565	-0.1605	0.4475	-0.1555	1.021	0.1165	-1.009	0.62	-0.4405	-0.4785	0.4225	0.7905	-0.7345	-0.5165	-0.0045	0.0895	0.1785	0.1005	0.9025	-0.5125	0.5425	-0.805	0.5565	0.0045	-0.4205	0.7335	0.112	-0.6235	0.2975	-0.5685
MGC4659	684418	-1.444	-1.19	-1.232	0.4725	2.784	1.181	-0.8415	-0.4675	0.67	-2.245	-0.2445	-0.3495	-1.167	-1.624	0.3125	-0.1445	0.9665	0.8365	3.734	0.2505	-0.7135	0.9325	-0.531	-0.602	1.771	-0.0315	0.6025	-0.712	1.449	0.0315	0.9245
MIA	695303	-2.48	-1.462	2.38	-0.9	-1.681	-1.609	3.33	2.3	3.58	-2.55	-1.092	3.59	-2.261	-1.223	2.33	0.72	-0.764	-2.31	0.06	-2.442	-1.67	2.44	-0.381	-1.393	0.01	-1.09	-1.28	-2.096	-2.17	-0.154	0.81
MID1	687747	-0.7775	-0.1055	0.9205	0.2315	0.3785	0.0085	-0.1855	0.0805	-0.13	0.1755	0.4105	-1.813	-0.4025	0.3885	0.2065	-0.2685	-0.0795	-0.8155	0.6395	-0.2845	0.4245	-1.113	-0.4115	-0.7245	-0.4175	-0.4605	-0.0085	0.474	0.5265	-0.6055	0.0235
MID1	690116	-0.521	-0.727	2.285	-0.664	0.628	-1.322	1.897	0.702	0.08	0.889	-0.941	0.421	-0.981	0.047	1.783	0.872	-0.373	-1.379	1.485	-1.325	0.665	1.288	0.4495	-0.5805	-0.047	0.101	-0.887	-0.782	-0.732	-0.764	1.775
MID1	690599	-0.407	-2.348	2.853	-0.593	0.231	-1.109	2.489	0.945	0.29	0.938	-0.969	0.502	-0.735	0.609	2.927	1.174	-1.082	-1.298	-0.395	-1.137	0.94	1.246	0.475	-0.097	0.133	0.097	-0.747	-0.844	-0.584	-0.551	1.881
MLF1IP	684863	0.2942	-0.5558	-1.644	0.5222	-0.0458	-1.527	-0.4268	0.0993	-0.57	-1.451	-0.3018	-1.536	0.0213	0.3902	-0.6048	0.0093	-1.884	0.1322	-1.654	0.4562	0.2392	-1.474	-0.0093	0.0818	0.5262	-1.939	1.098	-1.936	0.5132	0.4282	-0.1188
MLSTD1	689505	1.069	0.4625	-0.5125	-0.0775	0.4505	0.7135	1.169	0.4885	-0.22	1.889	-0.7355	-0.1425	-0.5785	-0.7215	1.242	0.0775	-0.3515	1.417	0.2365	0.7405	-0.6675	0.4725	-0.47	-0.6955	-0.2785	0.3195	1.467	-0.823	-0.4225	-0.6325	0.1905
MMP1	697289	3.534	-2.645	-3.241	-2.835	-2.742	-2.644	-2.856	0.529	-0.15	0.386	-2.056	-2.668	0.178	-0.818	-1.472	-3.971	-2.198	-0.174	-2.706	-0.837	-1.431	0.992	0.6135	-2.6985	-3.413	0.462	-1.558	-2.7695	-2.119	-3.344	-3.118
MMP7	697274	2.484	4.54	4.881	2.325	3.641	2.443	3.423	4.807	0.13	0.883	3.62	4.256	1.54	4.177	5.149	3.326	3.204	1.66	3.19	2.873	1.567	4.624	3.0655	2.011	1.832	4.239	2.344	2.718	2.72	3.005	4.092
MNAT1	687038	-0.712	-0.26	-1.864	0.387	-1.08	2.46	-1.389	-1.684	0.09	-1.579	0.09	-1.57	-1.15	-0.96	-2.07	0.0587	1.33	-1.47	0	0.03	0.443	-1.32	-0.49	0.79	-0.58	0.093	1.908	0.95	0.157	-0.26	-0.454
MRPL14	686347	0.082	-1.09	0.493	0.336	-0.024	0.238	0.024	0.168	-0.33	0.262	-0.733	0.206	0.523	0.233	0.075	-1.059	-0.56	0.498	-0.201	-0.119	-0.335	0.616	-0.323	-0.3785	0.385	0.453	-0.549	-0.905	0.232	-0.422	-0.091
MRPL15	693549	-0.728	0.645	0.237	-1.357	-1.071	-0.052	0.999	-0.45	-0.28	0.172	-0.511	0.114	-0.988	-0.599	-0.278	-1.207	-0.668	-0.421	-1.078	-1.371	-1.113	-0.637	-0.9565	-1.4105	-1.298	-0.922	-1.176	-1.24	-1.45	-1.683	-0.402
MRPL27	697164	-0.322	1.401	-1.101	-0.193	0.505	-0.102	-0.677	-0.297	-0.03	0.431	0.054	-0.105	-0.265	-0.878	-0.532	-0.313	-0.27	-0.015	-0.651	-0.46	-0.054	0.152	0.4805	-0.346	0.85	-0.467	-0.271	0.153	-0.402	-0.243	0.036
MRPL34	688498	0.226	-0.44	0.711	0.771	0.599	0.026	-0.268	-0.116	-0.27	0.237	0.132	-0.935	-0.23	-0.309	0.246	-0.118	0.177	0.168	0.007	0.144	-0.354	-0.088	-0.352	-0.878	1.188	-0.407	-0.167	0.3355	0.231	-0.158	-0.001
MRPL43	683308	-0.9225	-0.6655	-1.565	-0.7975	0.1285	-0.8445	0.7545	-0.5325	0.08	-0.6155	0.6905	-0.2035	-0.1895	0.1845	0.8545	-0.3715	-0.0395	0.2355	0.1365	-0.2425	-0.1445	0.6025	0.5035	-0.6525	1.513	0.5955	0.2695	-0.7635	0.3735	0.0395	1.071
MRPL45	687058	0.4945	0.0165	0.0655	-0.2825	-0.4965	0.4785	-0.4605	0.4495	0.06	0.2515	0.0945	-0.2195	-0.7085	1.785	0.1535	-0.2255	-0.6465	0.0865	0.0405	0.2025	0.7905	-0.7185	-0.3165	-0.431	-0.6825	-0.9855	0.5535	-0.0305	-0.2535	-0.3525	2.004
MRPL48	683204	0.0865	0.6395	0.2105	-0.2095	0.2165	-0.4535	-0.0065	0.5745	-0.23	0.8515	0.2375	-0.0095	-0.2005	-0.2955	0.3475	0.3385	0.1115	-0.0015	-0.3435	-0.1525	0.0345	0.5125	0.2015	-0.0785	-0.5015	0.1045	-0.2595	-0.5525	0.0015	-0.6795	0.4035
MRPL9	682558	-0.4365	0.2855	0.9755	-0.0905	-0.1825	-0.4285	0.4865	0.5575	0.17	0.4455	-0.2975	0.4165	-0.0115	-0.1735	0.5565	-0.2675	-0.3115	-0.2085	-0.4675	0.3175	0.0895	0.6845	0.1775	-0.0715	-0.7305	-0.2175	0.4795	0.0115	-0.4885	-0.1375	0.3335
MRPS14	691200	0.0965	-0.3455	0.4885	0.0265	0.4645	-0.4155	0.1725	0.0365	-0.25	0.0495	-0.0685	-0.6265	-0.1295	0.2605	-0.3345	0.2815	0.0165	-0.0845	-0.0065	0.0065	-0.1735	-0.7125	-0.0525	-0.755	-0.3105	-0.3495	0.4495	0.0345	0.4675	-0.0505	-0.1195
MRPS15	686445	-0.108	0.312	-0.109	0.033	0.977	0.385	0.642	0.11	-0.23	0.616	0.046	0.241	0.106	-0.683	-0.096	-0.871	0.163	0.263	-0.033	-0.561	1.745	-0.16	0.187	0.9445	-0.166	-0.431	-0.403	-0.25	0.207	-0.834	-0.138
MRPS17	695189	3.623	1.264	0.404	2.508	2.509	1.48	3.341	0.301	-0.47	0.408	2.127	1.882	2.415	1.738	3.544	2.079	1.79	2.852	2.928	1.966	2.633	2.651	2.609	1.2965	2.913	2.147	1.598	1.449	3.494	1.509	3.035
MRPS24	681503	-0.088	0.713	-0.105	0.044	0.628	-0.358	0.054	0.413	-0.27	0.75	-0.367	0.08	-0.469	-0.599	0.43	-0.01	0.018	-0.042	-0.198	-0.383	-0.31	0.253	0.307	0.061	-0.282	0.447	0.01	0.541	-0.309	-0.208	0.042
MRPS25	695169	-0.619	-0.441	0.298	-1.312	-0.424	-0.889	-0.768	-1.157	-0.3	-0.438	-0.995	-0.889	-1.242	-0.728	0.314	-1.874	-0.669	-0.512	-0.231	-1.261	-0.715	-1.195	-0.6955	-0.497	-1.471	-1.765	-1.399	-0.6485	-0.794	-1.716	-1.133
MRPS31	689571	0.144	-0.128	-0.253	-0.225	0.03	-0.652	-0.01	-0.545	0.33	0.221	-0.23	-0.836	-0.075	-0.1631	0.947	-0.254	-0.461	-0.881	-0.303	0.305	0.299	-0.502	-0.1995	0.117	0.14	0.332	0.105	0	0.02	0.326	0.085
MRPS6	692172	-0.331	-0.002	-0.242	-1.433	-0.626	-0.823	-0.224	-0.642	0.08	1.148	-0.409	-0.109	-0.185	-0.607	-0.011	0.153	-0.043	-0.219	-0.381	-1.59	-0.861	-0.263	-0.354	-1.0995	-0.703	-0.126	0.135	-0.941	-0.975	-0.674	-0.127
MS4A1	690468	0.052	0.383	-0.182	-0.256	0.741	-0.075	1.492	-0.082	-0.17	-0.163	0.025	0.285	-0.251	-0.068	2.809	0.631	-0.051	-0.099	0.11	0.399	1.05	-0.025	0.2005	0.86	0.61	0.049	-0.343	-0.0905	-0.079	-0.182	0.402
MSH2	686029	-0.501	0.221	1.121	0.01	-0.187	-1.077	0.501	1.211	-0.08	0.899	-0.219	0.026	0.729	-0.148	0.486	-0.964	-0.427	0.51	-0.96	-0.455	-0.681	0.035	-0.051	-0.462	0.511	0.308	0.343	-0.4145	-0.463	0.026	-0.01
MSH3	692736	0.021	-0.538	-0.022	0.435	-0.025	-0.205	-0.913	-0.246	-0.3	0.002	-0.627	-1.404	0.092	-0.357	-0.909	-1.222	-0.647	-0.454	-0.493	0.159	-0.437	-0.587	-0.655	-0.6555	0.146	0.291	0.484	0.0415	0.158	-0.376	0.763
MSMB	695442	-0.017	0.094	-2.049	0.671	-0.719	-0.652	-1.294	-0.296	0.72	-1.287	-0.754	-0.789	0.288	0.062	-1.598	-0.273	-0.02	-0.687	-0.749	-0.579	0.613	-0.02	-0.189	0.9425	0.953	0.04	0.594	0.02	-1.072	1.421	0.534
MTA1	690961	0.3835	-0.2105	0.0466	0.1515	0.1675	-0.7195	-0.3695	0.2205	0.28	-1.244	-0.3545	-0.4705	-0.2455	-0.1235	-0.8665	-0.2555	0.0435	0.2445	-0.6945	0.1515	-0.0325	-0.2025	0.6515	0.322	-0.4735	0.0395	1.373	0.1585	-0.5595	0.3835	0.0325
MTA3	684982	0.305	0.438	-0.209	0.11	-0.053	0.183	-0.265	-0.405	0.24	0.655	0.511	0.231	0.037	0.021	-1.018	-0.12	0.2	-0.093	-0.345	0.426	-0.744	-0.388	-0.885	-0.187	0.184	-0.003	0.172	-0.374	-0.503	0.084	-0.522
MTAC2D1	689442	0.728	0.131	-0.29	0.047	-1.593	-0.762	-0.649	-0.237	0.35	-1.61	-0.007	-0.491	0.238	0.26	-0.039	-1.011	-0.165	0.988	0.83	-0.019	0.007	0.433	-1.356	1.094	-0.588	0.23	0.77	0.425	0.087	-0.109	-0.072
MTCH1	694039	-0.118	-0.436	-0.22	-0.73	-0.087	-0.216	0.159	-0.317	0	-0.289	-0.071	-0.319	-0.493	-0.36	0.318	0.199	-0.569	-0.343	-0.091	-0.854	-0.523	-0.305	-0.101	-1.522	-0.367	-0.165	-1.253	-0.7085	-0.313	-0.431	-0.292
MTHFD1	693532	-1.128	-1.275	-1.143	-1.241	-1.363	-0.81	-0.945	-0.755	-0.33	0.625	-0.877	-1.612	-0.228	-1.336	-0.993	-2.082	-1.151	-0.316	-1.157	-0.906	-1.032	-1.276	-1.898	-2.2155	-1.673	-1.403	-0.949	-1.0225	-1.205	-1.19	-1.647
MTMR2	683517	-0.815	0.477	-0.922	-0.447	0.354	-0.059	-0.099	-0.292	-0.32	-1.202	0.598	0.665	-0.714	-0.399	-0.166	0.27	-0.176	-0.08	-0.4	0.166	0.365	0.296	0.1015	1.507	0.439	0.114	-1.735	0.3475	-0.739	0.464	0.617
MUC1	691634	0.0405	-0.7375	-4.868	0.5765	0.3285	-0.8655	-0.9815	0.3265	0.11	-3.353	0.4675	-1.997	-1.835	1.043	-1.332	-1.784	0.2055	-0.0405	-2.818	0.3675	-1.869	-2.009	-0.3255	1.368	0.1325	0.2845	0.4605	0.372	-0.7685	0.9325	0.9245
MUC20	681484	1.173	1.133	-0.682	-0.482	-0.116	0.785	-0.553	1.795	0.31	-1.423	-0.213	1.244	-0.993	0.38	-0.152	-0.322	-0.181	-1.093	-0.492	0.657	1.218	2.309	1.334	0.4665	-0.784	2.102	0.116	0.1205	-0.917	-0.154	1.645
MUM1	684755	0.209	0.272	-0.578	-0.208	-0.047	0.65	-0.044	-1.073	0.46	-0.778	0.174	0.062	0.057	-0.035	-0.441	0.791	-0.249	0.125	0.035	0.555	1.153	0.099	0.5435	-0.1135	-0.767	-0.149	0.097	-0.0595	-0.543	0.134	-0.035
MXI1	692501	0.047	-0.081	-0.101	0.072	0.1359	0.637	-0.943	0.185	0.51	-1.507	-0.225	0.295	-1.305	0.605	-0.035	0.865	0.723	-0.986	-0.242	0.407	-0.143	-0.627	-0.152	-0.093	0.833	-0.401	0.584	-0.4905	0.663	-0.302	0.213
MYB	693882	0.284	0.573	-0.147	1.194	0.872	1.755	0.083	-1.123	2.42	-0.374	1.767	0.313	1.034	-0.442	-0.292	-0.081	1.165	0.762	1.076	1.104	0.462	-0.646	0.446	0.6825	-0.173	1.336	0.323	1.2855	1.211	1.083	0.496
MYBL1	686207	-0.615	0.999	1.355	-0.515	-1.87	1.932	3.375	3.705	-0.8	-0.855	1.366	1.774	-0.663	-1.213	2.455	0.565	0.239	-0.798	0.305	-0.947	-0.535	0.555	-0.7825	-0.5285	-0.035	-0.145	0.605	0.288	-0.835	-0.975	0.035
MYBL2	683074	0.7265	0.2065	0.8905	-0.8605	-0.9635	0.0085	1.855	0.6225	-0.93	2.306	-0.6395	0.9765	0.0615	-0.0085	1.161	-1.469	0.3405	1.189	-0.7975	-0.5745	0.1475	1.34	1.073	-0.7155	-1.119	0.4615	-1.012	-0.3085	-1.334	-0.4755	-0.3495
MYO10	682215	0.8285	0.1595	1.503	0.1475	-0.7415	0.0045	-1.05	1.968	-0.14	0.2535	-1.046	2.171	-0.0795	-0.2775	0.9265	-0.5585	0.1555	0.9565	-1.595	-0.1755	-0.0365	1.272	0.275	-1.724	-1.167	0.3695	-0.4205	0.529	-0.3435	-1.103	0.4825
MYO6	695860	2.153	-0.0435	0.4275	-0.0585	0.5975	0.2565	0.3285	-0.2275	0.6	1.84	-0.3375	0.1645	0.0395	-0.7495	1.678	-0.8985	-0.2765	-0.2625	-0.0325	0.0325	3.092	2.611	-0.2655	0.297	0.3355	-0.4235	-0.4915	-0.6505	-0.4225	0.7095	2.148
MYST3	772895	0.628	2.009	0.82	0.654	1.024	1.64	-0.039	0.28	0.2	0.107	0.647	2.472	0.28	-0.158	0.444	0.3697	0.25	-0.758	0.687	0.856	0.591	0.754	0.169	0.531	0.963	0.806	1.065	1.021	0.61	0.654	0.325
NALP2	692203	-0.809	-1.618	2.208	0.452	-1.601	1.239	-1.165	2.478	0.54	3.398	-1.619	1.81	0.076	-1.466	-0.978	0.347	-1.31	-1.233	-0.659	0.287	1.579	-0.634	1.306	0.4445	-1.777	-1.424	-2.075	0.739	-1.001	-1.233	1.031
NALP6	684014	0.191	-0.375	-0.25	0.772	0.142	2.628	0.07	-0.146	-0.24	-0.186	-0.409	-0.302	-0.014	0.092	-0.127	-0.301	0.136	-0.201	0.015	0.012	0.021	0.017	0.1635	-0.012	0.08	-0.08	0.093	-0.162	1.116	-0.018	0.36
NANS	697330	0.716	0.168	-1.101	-0.396	0.32	-0.714	-0.246	0.463	-0.2	-0.481	0.025	-0.986	-0.768	-0.144	0.503	-1.483	-0.096	1.193	-0.293	-0.188	0.05	-0.619	0.211	0.6505	0.325	0.342	-0.649	-0.133	-0.313	-0.366	0.474
NARF	687321	2.114	0.2955	-1.331	0.7465	0.2785	-0.0375	0.0325	-0.7565	-0.19	-0.5035	-0.0515	0.5775	0.3595	0.6255	-0.0775	-1.281	-0.7715	0.2415	-0.1505	-0.0325	1.482	0.4135	0.2765	-0.9205	1.176	-0.8715	-0.4435	-0.4545	0.2175	0.1245	0.8675
NAT2	697768	-0.681	-1.005	-1	-0.588	-0.655	-0.144	-1.146	0.303	0.84	-0.448	0.939	0.43	-0.413	-0.544	-0.355	-1.202	-0.81	0.19	-0.889	0.093	-0.693	-0.217	-0.7025	-0.9645	0.062	0.241	0.577	0.371	0.491	-0.427	-0.871
NAV2	685130	0.1155	-1.64	0.7815	0.5675	-1.239	-0.5265	-0.0835	-0.3445	1.19	-0.7775	-0.8035	-0.8335	0.0095	1.186	1.884	1.203	0.9075	-0.2675	0.8985	0.3065	0.7285	-0.0095	1.651	-0.042	1.132	-0.5285	0.1335	0.0135	-0.1205	-0.2395	-0.2005
NDE1	690898	-0.6365	0.8225	-1.057	0.2515	0.5865	1.662	-0.0855	-0.2635	0.19	-1.159	0.2555	-0.2755	-0.6445	-0.4655	-0.1555	-0.1545	0.9605	0.2365	-0.3665	-0.0295	0.3985	0.2815	0.8695	0.25	-0.3125	0.2395	0.9715	-0.166	-0.4435	0.5755	0.1135
NDP52	684577	-0.5285	1.247	-1.306	0.3435	1.171	-0.4875	-0.7915	0.6525	-0.03	-0.6945	0.8465	-0.3265	-0.6715	0.5185	0.3595	0.4735	0.0145	0.0785	0.1435	0.7695	-1.167	-0.6855	-0.228	-0.8135	0.1705	-0.1825	0.3205	-0.019	-0.3165	-0.0205	0.5435
NDRG2	686705	-1.044	0.311	-0.665	0.545	-0.849	0.088	0.157	1.568	0.69	-1.486	-0.76	1.877	-1.45	-0.692	-0.246

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB128	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.028	1.035	1.308	-0.534
NEURL	681900	-0.5415	0.7855	-1.24	0.0145	0.6495	0.7015	-1.268	0.1035	0.3	-0.2775	1.094	0.2315	-0.6605	-0.0885	-0.6035	-0.7705	-0.6345	-0.4785	2.894	0.6575	-0.2695	0.2065	-0.089	-0.406	0.1135	-0.0145	0.0655	0.458	1.035	-0.0495	-0.8175
NFE2L3	683131	0.3585	0.4925	0.9985	0.1285	0.5645	0.9705	1.409	2.269	-0.54	2.889	0.0635	1.632	1.903	-0.6415	2.589	-0.8615	-0.4845	-0.7095	-1.191	-0.0635	-0.6815	0.5285	-0.3705	-0.8715	-0.2315	0.1785	0.7485	-0.3285	-1.651	-1.033	-0.2415
NFIA	692198	1.49	1.862	1.678	2.212	2.063	1.774	0.725	1.603	1.03	-1.425	1.74	3.167	-1.289	2.991	1.376	2.674	2.084	2.47	1.249	3.094	3.365	2.619	3.3335	2.174	1.878	1.75	3.823	3.433	2.132	1.78	3.115
NFIB	681529	-0.825	0.549	-0.533	-0.494	0.945	4.215	-0.285	-0.081	0.44	0	3.948	-0.658	-0.676	-0.2604	0.832	-0.034	0.4	-1.193	0.667	-0.191	-0.577	-0.53	-0.8555	3.548	2.178	-0.591	0.702	0.4865	0.702	0.111	-0.121
NINJ1	684190	-0.0545	0.4955	-1.087	0.5255	1.11	0.9215	-1.137	0.0355	0.31	-0.5005	0.7015	-0.3425	-0.2505	0.1015	-0.1645	-0.0655	0.8015	-1.153	-0.1375	0.8365	-0.9455	-1.32	0.0275	-0.637	-0.0185	1.183	-0.5565	0.679	0.6455	0.0185	-0.1165
NIPSNAP	697441	-0.149	-0.137	0.179	0.213	0.114	-0.389	0.748	0.329	0	-0.687	0.826	-1.067	-0.507	-0.308	1.914	-0.217	0.116	0.146	-0.037	-0.622	-0.618	-0.608	-0.259	-0.145	0.013	0.713	-0.559	-0.1725	0.685	-0.614	0.278
NKX6-2	682635	0.093	0.262	-0.039	-0.039	0.408	-0.176	-0.143	0.014	-0.37	0.414	-0.106	0.211	-0.003	-0.069	-0.08	0.031	0.05	0.117	3.386	-0.029	0.971	-0.193	0.3815	0.452	-0.175	-0.273	-0.197	0.2395	-0.047	0.281	-0.199
NME1	689970	0.0565	0.4475	0.3605	-0.1005	-0.0595	-0.3415	-0.0135	0.4725	-0.06	0.4765	-0.7645	0.0715	0.3835	-0.1995	0.6215	-0.2445	-0.6455	0.4425	-0.1405	-0.5085	0.2395	0.3905	-0.3225	-0.8205	-0.2675	-0.4645	0.3625	-0.0845	0.4145	0.0135	1.325
NME2	681665	-0.127	1.052	0.488	-0.068	0.372	-0.307	-0.037	0.709	-0.1	0.327	-0.321	0.086	-0.013	-0.372	0.62	-0.284	-0.317	0.288	-0.363	-0.475	0.023	0.013	0.046	-1.112	-0.441	-0.634	0.492	0.0235	0.539	-0.097	1.344
NME3	682225	0.2685	0.3955	-0.2965	0.3925	0.8915	1.168	-0.9755	-1.248	0.32	-1.598	0.6865	0.0155	-0.0155	-0.2195	-1.323	-0.2345	0.7685	-0.7295	0.7025	0.8445	-0.1445	-0.2875	-0.37	0.639	0.1255	0.0835	0.2415	-0.029	-0.0465	1.015	-0.0255
NMES1	689620	0.634	0.602	1.552	0.612	2.4	1.376	-0.614	1.404	0.35	-1.112	1.088	-0.479	0.039	-0.632	0.751	0.613	1.249	2.333	0.257	1.881	0.769	2.362	0.8385	2.7125	1.539	1.126	1.966	2.21	0.239	1.725	1.455
NMI	690834	-0.035	-1.638	1.095	-1.155	-0.956	-0.561	1.175	2.125	-0.09	0.265	0.934	-0.288	0.131	0.528	1.965	-0.435	-0.289	1.007	-0.155	-0.113	-0.095	0.515	1.297	-0.298	0.245	0.315	0.035	-0.3515	-0.185	-0.308	1.016
NOC4	691497	-0.1545	0.6495	0.2775	-0.4865	0.4255	-0.4205	0.9455	1.625	-0.14	0.6175	-0.4985	0.5915	0.2725	-0.3785	0.8915	-0.5865	-0.0705	0.5025	0.0705	-0.4605	-0.4685	0.2455	-0.1445	-0.8705	0.1875	0.1515	-0.2235	-0.8175	0.2525	-0.2385	-0.1185
NOLC1	689311	-0.103	-0.253	0.16	-0.507	0.249	0.321	0.439	-0.044	0.34	0.456	0.024	-0.024	0.159	0.382	0.607	-0.815	-0.267	0.239	-0.059	-0.24	-0.157	-0.963	-0.6345	-0.641	0.07	0.044	0.079	-0.602	-0.106	-0.355	0.163
NotFound:	681142	-0.526	0.229	2.073	-1.117	0.782	-0.54	1.731	0.652	-0.51	0.713	-0.443	0.441	-0.757	0.12	1.692	1.096	-0.398	-1.051	-0.657	-0.9	0.873	1.176	0.81	-0.451	0.041	-0.041	-0.77	-0.919	-0.504	-0.162	1.48
NotFound:	681155	0.0735	-0.2176	1.615	-0.1015	-0.2445	-0.0875	0.1865	1.462	-0.04	0.7145	-0.0105	-0.2405	-0.5405	0.2425	0.4405	0.0465	-0.8015	-0.0695	0.4225	0.0505	0.0105	-0.3125	-0.8575	-1.218	-0.7805	-0.5975	0.3475	-0.3545	0.0205	-1.14	0.6915
NotFound:	681349	0.1415	0.6825	-0.4085	0.1215	-0.0275	0.2535	-0.4945	-0.5435	0.3	0.3485	0.0705	-0.5125	-0.5705	0.3905	-0.0625	-0.0955	-0.0955	-0.1645	0.1765	0.0275	-0.2025	-0.0715	-0.371	-0.1575	0.4735	0.1875	0.2195	-0.738	0.2595	-0.2865	0.4255
NotFound:	681357	1.988	0.0535	-0.0225	-0.2815	0.7265	-0.1265	0.0345	-0.5785	-0.37	-0.3715	0.1135	0.7535	-0.0025	0.0545	1.524	-0.5475	-0.1705	-0.0205	0.0925	0.9225	0.0795	0.0025	0.8835	0.2195	0.5565	-0.0775	-0.4435	-0.2145	-0.7145	-0.3665	-0.2915
NotFound:	681576	0.7615	-1.465	0.6355	1.858	0.1575	-0.1875	-2.32	-1.13	0.48	-0.6235	-0.2045	-0.3825	0.3755	0.9575	-0.0395	0.6655	1.48	0.0465	-0.4145	0.3685	0.5235	-0.7585	-2.016	-0.1465	1.163	0.3415	0.3375	-0.578	0.0395	-0.1915	-0.3135
NotFound:	681606	-0.05	0.429	0.696	0.292	1.552	-0.72	0.576	0.333	-0.61	0.973	-1.043	0.226	-0.034	0.034	-0.198	-1.405	-0.115	0.589	0.485	-1.159	0.71	0.921	-0.3215	-0.073	-0.911	0.077	-0.876	-0.2515	0.37	-0.407	-0.141
NotFound:	681956	0.7615	-1.678	0.6735	-1.158	-0.0495	-1.297	0.4395	-0.3505	-0.89	-1.957	0.7385	-0.6495	0.4055	0.1285	2.757	0.0495	-0.2255	1.136	0.3485	-0.6065	0.8825	0.0635	0.4275	-0.73	0.3185	0.4945	-0.5285	-1.584	-0.0955	-1.39	1.46
NotFound:	682219	-0.078	0.511	1.057	0.222	0.157	0.509	0.337	-0.009	2.41	1.003	1.812	0.229	0.44	-0.208	-0.208	-0.06	1.251	0.326	0.741	0.078	-0.455	-0.306	-0.394	0.079	-0.251	-0.025	0.536	0.1175	0.013	-0.147	0.046
NotFound:	682298	-0.142	0.984	0.675	-0.489	0.053	-0.347	1.037	0.611	0.06	0.987	-0.301	0.401	0.125	-0.74	1.297	-0.222	0.238	0.286	-0.078	-0.191	-0.148	0.92	0.2635	-0.032	0.914	0.032	-0.363	0.266	-0.314	-0.741	-0.342
NotFound:	682699	1.928	4.213	-1.904	1.864	2.233	0.83	-2.294	-2.196	-0.09	-1.575	3.59	-1.883	2.401	2.275	-3.381	1.869	1.877	-0.296	2.823	3.423	3.716	-2.012	-0.965	4.197	4.961	4.366	2.152	1.7135	4.72	5.373	3.464
NotFound:	683354	0.638	0.459	2.537	0.069	0.525	0.563	2.018	1.762	0.26	0.138	0.659	1.794	0.772	0.6462	1.823	0.629	0.571	0.109	0.242	0.404	0.396	1.37	0.9155	0.0995	0.401	0.367	0.277	0.5305	0.27	0.21	0.297
NotFound:	683540	-1.183	-0.4755	0.5875	0.5405	-0.1605	-0.4175	-0.8615	1.023	-0.72	0.2505	-0.6415	0.8745	-1.246	-1.315	-0.6415	1.48	1.085	-1.628	0.0205	1.373	-0.3655	1.1	0.365	-0.4595	1.025	-0.8915	-0.7865	-1.069	1.517	0.0775	-0.0205
NotFound:	683552	0.0055	0.2235	0.4335	-0.2205	-0.1505	0.1025	0.5325	-0.1895	-0.38	0.5275	-0.4385	0.1865	-0.8285	-0.3025	0.4825	-0.8265	0.0025	0.7125	0.1035	-0.0025	0.2505	0.3375	0.772	0.0245	-0.1055	0.0845	-0.8795	-0.714	-0.0525	-0.3165	-0.2925
NotFound:	683669	0.025	0.175	-0.132	-0.18	0.066	0.035	0.024	0.588	-0.29	-0.221	0.105	1.786	-0.316	-0.084	-0.217	0.096	0.197	-0.024	0.264	-0.25	0.281	1.634	0.5935	0.679	-0.267	-0.048	-0.232	0.0565	-0.195	-0.274	-0.09
NotFound:	684000	-0.83	0.83	-0.095	-0.423	-1.895	0.299	-1.428	-0.361	1.33	-2.444	1.105	0.67	-0.705	-3.003	-1.221	-0.422	1.319	-2.299	0.962	0.869	0.095	-0.133	0.943	2.369	1.118	-0.755	0.473	1.495	-2.388	0.327	0.103
NotFound:	684333	1.278	0.22	2.931	0.426	0.05	0.3	3.353	2.251	0.01	3.168	0.51	1.7	0.03	0.8	2.268	-0.173	0.31	0.51	0.622	0.58	1.762	2.563	0.1995	0.4705	0.198	0.344	0.316	0.0865	0.33	0.28	1.662
NotFound:	684481	0.7775	2.64	-1.854	-0.1145	0.4885	0.5585	-1.871	-1.98	0.08	1.012	0.3615	-1.426	-0.0225	0.0975	-2.095	-1.409	0.7585	-0.2585	-0.5185	0.0225	-0.0655	-0.7615	0.3905	0.489	-0.1925	0.9745	-0.1375	-0.2265	0.1425	0.3795	0.4795
NotFound:	685169	0.554	0.167	-1.452	0.608	-0.219	-0.429	-0.873	-1.983	0.98	-0.406	0.1	-1.53	0.9	0.018	-2.031	-0.408	0.413	-1.127	-0.018	0.457	-0.576	-0.992	-0.2765	0.162	1.439	0.413	0.359	-0.177	0.357	0.934	0.103
NotFound:	685265	0.6765	-0.0095	-0.0775	0.4855	-0.1345	0.6035	-0.1455	0.3905	1.01	-1.509	0.4215	-0.4325	0.2035	1.557	0.0515	-0.2725	-0.0775	-0.5645	0.0095	-0.4335	0.5855	0.2565	1.084	-0.8065	-0.2385	-1.021	0.7545	0.096	-0.7525	-0.2115	0.0855
NotFound:	685572	-0.17	-0.921	1.159	-0.252	-0.638	-0.876	0.131	0.308	0	0.126	-0.648	-1.059	0.014	0.593	0.095	0.4	-0.369	-0.765	0.166	-0.535	0.123	-0.281	-0.121	-0.916	-0.048	0.161	0.199	-0.6265	0.203	-0.014	0.342
NotFound:	685625	-0.6315	0.7585	-0.7915	0.1555	-0.0365	0.3865	-0.4325	0.3775	-0.15	1.107	0.2475	1.653	-0.1185	0.3165	-0.2345	-0.2445	0.9035	0.1775	-0.1565	0.9455	-0.3435	-0.3785	-0.3345	0.29	0.9725	-0.0195	0.1095	-0.0525	0.0315	0.0195	-0.1065
NotFound:	685756	-0.768	-2.088	-0.842	1.596	1.164	1.391	-1.655	0.289	1.22	-1.251	2.163	-1.392	2.009	0.058	-1.748	1.553	1.604	-1.449	0.102	-0.058	-0.451	-1.153	-0.804	0.1575	2.224	-0.437	-0.067	-0.156	2.106	0.342	-0.597
NotFound:	685823	-0.302	0.015	-0.493	0.049	0.154	0.116	-0.747	-0.964	0.31	-0.403	-0.29	-0.677	-0.69	-0.527	-1.131	0.468	0.229	-0.292	-0.212	0.271	0.205	-0.79	0.4965	0.328	-0.026	-0.015	0.064	0.4015	0.21	0.27	0.106
NotFound:	686027	0.288	-0.356	0.473	-0.57	0.087	-0.845	0.403	2.27	-0.06	-0.568	-0.03	0.916	-0.443	-0.475	1.329	0.294	0	0.158	-0.389	-0.796	0.064	1.958	0.8085	-0.538	-0.28	0.433	-0.52	-0.815	-0.2611	-0.282	0.269
NotFound:	686055	-0.203	1.565	-1.482	4.633	2.137	2.267	-0.51	-0.772	2.99	-0.73	4.462	-0.787	-0.367	-0.927	-0.403	-0.503	1.12	-0.285	0.113	4.505	-0.681	-0.642	-1.109	3.2	0.894	4.152	3.79	4.099	1.636	3.304	-0.113
NotFound:	686477	0.424	-0.119	0.719	0.039	0.607	-1.296	-0.668	1.055	0.02	-0.391	-0.673	0.021	0.255	-0.021	-0.428	-2.212	-0.325	0.058	-0.714	-0.136	-0.351	0.87	-0.8025	-0.2235	0.832	0.707	0.571	0.835	0.515	0.141	-0.521
NotFound:	686759	-0.244	0.01	0.688	0.42	1.075	0.197	-0.019	-0.443	-0.37	-0.823	1.177	-0.439	-0.178	0.445	0.732	0.476	-0.075	-0.575	1.733	-0.331	0.022	-1.013	-0.574	0.1055	2.599	0.437	0.568	0.778	0.392	-0.228	0.305
NotFound:	686948	-0.076	0.307	2.111	-0.205	0.026	0.048	0.495	1.288	0.25	1.112	-0.156	0.701	0.124	0.205	0.261	-0.162	0.016	-0.016	-0.824	0.308	-0.477	0.058	-0.381	-0.7835	-0.629	-0.323	0.679	-0.216	-0.563	-0.186	-0.22
NotFound:	687368	0.4365	0.0065	0.1335	-0.2915	0.4215	-0.8675	-0.5485	1.17	-0.23	-0.2995	-0.6575	0.0075	-0.1225	-0.0065	-0.5745	-2.236	-0.2885	0.6065	-0.5595	0.2305	-0.3535	0.8505	-0.8645	-0.678	0.7505	0.4825	0.1925	0.566	0.1565	0.1425	-0.7585
NotFound:	687761	0.2845	0.5925	0.0145	0.3225	0.1195	0.5795	0.3535	0.0085	-0.92	-0.2535	0.0965	-0.0085	-0.3355	-0.4585	-0.8105	-0.2905	0.7175	-1.433	0.9805	-0.7225	-1.148	-1.155	-0.1755	-0.709	0.6455	1.131	0.2025	-0.1465	-0.3825	0.0385	-0.3285
NotFound:	688033	-0.6635	0.2795	0.0715	0.3885	0.3575	-0.4715	-0.8135	-0.3855	0.28	-0.1965	0.1125	-1.639	0.0475	0.0095	-0.5815	0.5895	-0.0095	-1.225	-0.2575	-0.5735	-0.5225	-1.235	-1.197	-1.063	0.7995	0.3905	0.3945	0.578	0.1295	-0.2475	0.2425
NotFound:	688163	3.267	0.1885	-0.7615	-0.3065	0.2265	-0.4125	0.3855	-0.5145	-0.69	-0.7435	-0.3895	0.5145	-0.0555	-0.1015	3.209	0.2855	0.0555	-0.3285	1.002	0.6665	0.7065	0.3835	0.0765	-0.2575	1.956	0.2325	-0.4115	-0.339	-0.6035	-0.1055	-0.1355
NotFound:	688264	-0.6395	1.679	-0.3455	0.1705	0.8475	-0.6455	-1.138	1.448	0.09	-1.301	-1.682	-0.1705	-0.3765	-0.2615	-0.2645	-1.389	-0.4635	0.2725	-0.2675	0.7155	-0.9695	0.2445	-0.183	0.2515	1.707	1.026	1.968	0.5535	0.6585	1.004	0.4525
NotFound:	688843	0.5515	1.331	-0.9755	0.0415	2.033	-0.7745	-0.2805	0.6025	-0.39	-0.4495	-0.9205	0.4115	-0.6585	-0.5135	-1.164	-1.941	0.9535	-1.017	-0.1445	-0.0295	0.0295	1.399	-0.55	-0.4375	1.004	0.5335	0.9125	0.84	1.206	0.5245	-0.3825
NotFound:	688964	0.0875	0.1165	0.4305	-0.1705	0.6775	-1.471	-0.1675	1.457	-0.2	0.0745	-0.7075	-0.1325	0.1565	0.1675	-0.2955	-1.277	-0.2695	0.3595	-0.8615	-0.1495	-0.4675	0.9645	-0.613	-0.3765	1.121	0.8215	0.4975	0.714	0.4295	-0.0745	-0.4985
NotFound:	688988	-0.063	-0.574	0.414	-0.728	1.193	1.076	-0.676	-1.129	0.01	-2.251	0.717	0.86	0.809	-0.873	1.334	-0.927	-0.236	-0.426	-0.008	0.569	0.586	-0.428	-1.14	0.9935	0.717	-0.173	1.624	-0.454	0.822	0.008	-0.266
NotFound:	689368	-0.3785	0.9765	0.4875	-0.4975	0.9045	-0.4545	-0.6945	0.8005	-0.35	-0.6055	-0.0135	0.5035	-0.0875	-0.2945	-1.217	-1.151	0.4145	0.1575	-0.2785	-0.0035	-0.2415	0.4955	-0.1175	0.006	0.4715	0.0725	0.2255	0.5285	0.3815	0.0035	-0.9315
NotFound:	689732	-1.325	0.421	0.478	0.894	1.105	-1.631	-1.564	1.447	0.79	-1.805	0.337	-0.045	-1.142	-0.221	-1.073	-1.24	0.458	-1.377	-0.324	0.623	-1.926	0.045	-1.771	-0.795	0.676	1.2	0.551	1.278	1.188	-0.215	-0.85
NotFound:	690073	0.0915	-0.9085	-0.7165	-0.9815	0.4815	0.0455	0.4775	0.1385	-0.44	0.0115	-0.5555	-0.2435	1.679	0.0245	0.2845	-0.9015	0.0295	1.282	0.7305	-0.8285	-0.4375	-0.2355	0.0245	-0.653	-0.1755	0.0035	-0.5035	-1.39	0.8415	-0.0035	-0.3415
NotFound:	690533	-0.5435	1.28	-0.1285	-0.5505	1.077	-0.9175	-0.6145	1.137	-0.18	-1.907	-1.152	0.1805	0.2255	-1.363	-1.575	-2.801	1.18	-0.5685	-1.055	0.4915	-0.4815	1.076	0.0715	0.437	0.7465	-0.0715	0.9355	0.6045	0.3225	0.8505	-0.8915
NotFound:	690571	-0.403	-0.009	-0.43	-0.172	0.171	0.107	-0.082	0.26	-0.43	-0.269	0.531	0.608	-0.62	-0.241	0.235	0.143	0.021	0.229	-0.012	0.028	0.031	0.155	0.5335	-0.2625	-0.353	-0.499	-0.392	-0.169	-0.199	0.009	-0.47
NotFound:	690683	0.291	0.115	1.688	0.59	-0.008	0.149	-0.182	-0.132	0.26	-0.414	-0.414	0.189	0.309	-0.21	-0.348	0.306	-0.154	-0.195	-0.321	0.23	0.4	0.771	0.0745	-0.4115	-0.032	-0.33	0.686	0.7015	0.008	0.678	-0.319
NotFound:	691307	0.169	0.365	-0.047	0	0.194	-0.005	2.61	0.265	-0.42	-0.137	0.192	-0.127	-0.005	-0.126	-0.056	0.228	0.234	-0.464	0.095	-0.042	0.165	0.078	-0.229	-0.0185	-0.188	0.033	0.19	0.2345	-0.201	-0.007	0.456
NotFound:	691444	1.879	-0.4825	-0.2635	-0.2545	0.0295	-0.4305	0.4235	-0.6405	-0.34	-0.2125	-0.5955	0.1765	0.2355	0.4345	3.562	-0.4465	-0.3625	-0.3225	0.3185	0.2225	0.3345	-0.0275	1.416	0.128	0.6395	0.4315	-0.1315	-1.159	-0.3685	0.0275	-0.0435
NotFound:	691485	0.7805	0.1025	0.2495	-0.1885	0.4295	-0.8605	-0.3705	1.318	-0.39	0.0105	-0.7925	-0.0275	-0.0105	-0.0805	-0.6035	-1.57	-0.3105	0.7365	-0.8435	0.2115	-0.1775	0.7655	-0.7205	-0.663	0.6985	0.5465	0.2315	0.451	0.2425	0.0735	-0.5535
NotFound:	691652	0.933	-0.401	0.179	-0.333	1.112	0.453	1.412	0.441	-0.41	-0.507	0.125	1.39	-0.046	-0.405	0.901	0.865	0.419	1.293	1.277	0.715	1.443	1.326	1.4045	1.3175	0.011	-0.535	-0.027	-0.293	0.918	0.366	0.859
NotFound:	691783	0.8475	-0.2935	-0.0905	-0.1765	0.0045	-0.0775	0.1155	-0.1345	-0.24	-0.1595	-0.0045	0.1155	-0.0295	-0.1085	0.3155	-0.0295	0.2395	0.0545	0.0175	0.1915	0.4585	0.3045	0.659	0.5895	0.3235	-0.0565	-0.2885	0.0715	0.0115	-0.1485	-0.2345
NotFound:	692077	-0.0085	-0.2025	0.1225	0.0175	-0.1495	0.2155	0.3245	0.0085	0.44	-0.4945	0.1865	0.2015	0.0615	0.0665	-0.1135	-0.1665	-0.2335	-0.2235	-0.1985	0.0185	0.2615	0.3775	-0.105	0.206	-0.3085	-0.1855	0.1735	-0.1615	-0.1365	0.5645	-0.3045
NotFound:	692188	0.617	0.915	-0.284	1.141	0.916	0.749	0.029	0.105	0.33	-0.225	-0.27	-0.273	-0.417	0.405	1.155	0.598	1.073	-0.409	0.031	1.145	0.923	0.063	1.3525	0.2315	-0.005	0.324	1.117	1.312	0.432	-0.358	0.506
NotFound:	692466	-0.155	0.287	0.861	0.371	-0.071	0.116	-1.082	0.874	0.37	-0.982	-0.546	0.796	0.287	-1.171	0.439	0.608	-0.364	-0.311	-0.294	0.462	-0.242	0.55	-0.7815	-0.3455	-0.362	-0.57	0.305	-0.667	0.356	0.556	-0.126
NotFound:	692727	0.616	-0.065	1.181	-0.153	-0.304	0.23	-0.07	0.039	0.48	0.132	0.127	-0.515	1.088	0.522	0.278	-1.151	0.446	0.734	-0.055	0.203	0.139	-0.189	0.568	0.11	0.089	0.579	-0.213	-0.5415	-0.044	0.126	0.624
NotFound:	692860	-0.63	-1.752	-0.918	-0.147	-0.534	-0.727	-0.793	-0.852	0.88	-0.464	-1.84	-0.508	-1.111	-1.328	-0.316	0.16	-1.291	-2.032	-0.229	-0.465	-0.792	-1.728	-1.7925	-1.749	-1.302	-0.945	-0.314	-1.5115	0.002	-1.223	-0.683
NotFound:	692931	0.081	-0.64	-2.031	0.3	-0.359	-0.311	-1.026	-0.708	0.96	-1.351	-0.631	-0.971	0.543	0.557	-0.952	-0.11	-0.171	-0.225	-0.564	-0.033	0.062	-1.037	-0.903	-0.4175	-0.524	-1.806	0.997	-1.136	-0.2	0.528	-0.762
NotFound:	693121	2.511	0.958	2.645	3.463	2.508	2.028	-0.226	1.183	0.44	1.406	2.106	1.69	1.979	2.499	1.832	2.599	3.563	2.065	1.631	2.702	2.538	1.04	0.4925	1.452	3	2.381	2.397	1.659	2.112	1.666	1.779
NotFound:	693387	0.059	-1.04	-1.346	1.213	0.971	0.632	-0.494	-1.249	0.27	-0.627	0.588	-0.663	-1.536	0.088	-0.25	-0.6	0.902	0.162	0.416	0.928	1.048	-0.15	1.092	0.2765	0.015	-0.424	0.816	1.528	1.112	0.735	0.663
NotFound:	693511	1.09	2.264	0.381	3.114	0.888	2.797	0.604	-0.916	0.87	0.37	2.742	1.118	1.612	1.146	-0.256	1.128	3.618	1.085	1.533	2.569	0.453	0.342	0.435	1.9195	2.994	2.132	0.92	3.4205	1.971	1.719	1.378
NotFound:	693741	-0.483	-0.119	0.429	-0.576	-0.517	-0.843	-0.236	0.839	-0.39	-0.487	-0.111	-1.147	-0.317	1.462	0.529	0.191	-0.458	-0.449	-0.329	-0.651	-0.673	-1.06	-1.4605	-0.5695	0.405	-0.569	0.297	-0.106	-0.157	-0.167	-0.357
NotFound:	694011	-0.19	0.645	0.439	-0.257	0.077	3.597	2.186	3.571	0.97	-0.338	2.079	3.562	1.073	2.084	1.806	1.107	2.677	1.944	-0.131	1.32	2.187	2.393	0.279	1.9355	0.775	1.765	4.513	3.8305	0.715	3.08	1.094
NotFound:	694287	0.18	-0.391	-0.085	5.727	2.238	4.317	0.288	-0.034	3.34	0.083	1.69	-0.039	0.207	-0.005	0.228	1.426	1.702	-0.04	5.785	3.721	1.345	0.069	1.096	3.2585	6.443	0.521	4.268	0.448	7.077	2.012	2.022
NotFound:	694458	0.0515	-0.8165	0.0005	-0.0005	-1.677	-0.0915	0.1465	0.0075	-0.27	-0.0765	-0.0365	0.0705	-0.1885	0.1135	0.0575	-0.4045	0.1705	0.0975	0.3585	0.1325	-0.3095	-0.1155	-0.699	0.0015	0.1595	-

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-059	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.586	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
NPEPPS	687914	-1.009	0.018	-0.215	-0.14	0.1	0.372	-0.691	0.124	0.34	0.218	-0.244	-0.816	-0.389	-0.65	0.05	0.497	-1.11	-0.406	0.29	0.154	-1.039	-1.148	-1.577	-1.024	0.377	-0.645	0.795	0.093	0.137	0.167	-0.018
NPY	683068	-0.138	0.939	-1.308	-0.927	0.544	-0.837	-2.531	-0.603	-0.62	-2.725	0.23	-1.755	0.212	-0.494	-2.259	0.894	0.395	0.17	-0.991	0.161	-1.847	-2.51	-1.727	-1.114	1.236	1.595	2.863	0.5535	-0.697	0.138	0.371
NQO3A2	697754	1.178	1.484	-0.145	2.448	1.589	1.79	0.215	0.899	0.37	1.901	1.682	1.848	1.146	1.916	0.449	1.238	1.162	0.395	0.917	2.02	0.269	0.658	0.7015	1.3615	1.252	1.099	1.757	0.9645	2.339	0.999	1.722
NRAS	695502	-0.3685	-0.4395	0.8085	0.0065	-0.6955	-0.0065	0.8235	0.3565	-0.32	-0.6955	-0.3545	0.3685	-0.0235	-0.6825	0.1995	0.1255	-0.3085	-0.5165	-0.1335	-0.2445	0.5435	0.4975	0.4735	0.365	-0.5045	-0.7945	-0.2985	0.0275	-0.8435	0.4315	0.1075
NRIP1	684742	-0.7187	0.6443	-1.737	-0.1937	0.6633	0.4093	-1.614	-0.0998	1.02	0.7413	0.5543	0.1443	1.028	-0.7627	-0.2947	0.0823	0.2713	-0.7397	-0.7697	1.648	-0.3717	-1.217	-0.9572	-0.3347	0.1143	0.8933	2.613	-0.0623	-0.2207	0.3983	-0.1147
NTN4	688487	-2.377	-2.057	-2.951	0.5685	0.9135	0.7005	-2.749	-2.542	1.69	-3.694	1.14	-0.7775	-2.364	0.6075	-1.705	1.472	0.2985	-2.333	1.629	1.503	-1.026	1.318	-1.403	-0.2985	-0.4425	0.8355	1.543	1.467	-0.4455	-0.4845	1.035
NUCB2	681359	0.3445	0.2835	-1.769	1.428	1.359	-0.1275	-1.169	-0.7865	-0.09	-1.115	0.6535	-0.8685	0.6335	0.6435	-0.0295	-1.004	-0.2345	-0.6905	0.4855	1.738	0.5655	0.7425	-0.1515	2.368	1.989	0.0295	-0.0595	-1.911	2.284	-0.4035	-0.6195
NUDT5	695608	-0.669	-0.463	1.02	-0.512	-0.874	-0.383	0.077	1.26	-0.39	-0.019	-0.49	0.31	-0.065	-0.64	0.545	-1.303	-0.261	0.836	-0.87	-0.595	-0.84	0.629	-0.343	-1.075	-1.187	-0.385	-1.196	-1.8045	-0.759	-0.813	-0.644
NUDT6	686517	-1.086	-0.377	-0.77	0.348	0.665	-0.03	-1.026	-0.644	0.29	-0.503	0.243	-0.794	0.46	-1.605	0.74	0.204	0.348	-0.763	-0.575	0.262	-1.505	-0.611	-1.033	-0.3645	0.545	0.369	1.206	0.2725	0.456	-0.139	0.283
OCIAD2	695560	1.556	0.683	0.976	0.331	1.224	0.827	0.462	0.898	-0.03	-2.593	0.395	1.374	2.435	0.884	0.691	0.352	0.988	0.851	0.297	1.283	0.697	0.805	1.0855	0.4175	1.131	1.008	1.031	0.059	1.057	0.207	1.032
OFD1	683518	-0.645	0.348	1.176	0.676	0.473	0.287	-0.229	-1.59	0.36	-1.976	-0.656	-1.39	0.199	0.491	0.037	0.125	0.524	-1.264	0.178	0.557	0.424	-0.766	-0.202	0.5005	-0.47	-0.919	-0.747	-0.037	-0.637	0.867	-0.48
OGFRL1	689994	-0.302	-0.092	1.239	-0.284	-0.001	-0.061	0.109	1.841	0.26	-0.694	0.53	4.002	-0.517	-0.501	2.491	-0.306	-0.44	1.008	0.336	0.001	-0.81	2.811	-0.1925	0.7015	0.25	0.006	0.325	-0.3735	-0.053	-0.793	0.622
OPLAH	694256	0.872	1.927	0.106	0.59	0.803	1.041	2.102	2.182	-0.37	-0.036	0.819	2.341	-0.099	0.466	0.012	-0.104	1.893	-0.593	1.108	0.471	0.623	0.956	1.982	1.2465	-1.025	1.723	0.684	0.5755	0.433	0.862	1.567
ORMDL3	683021	0.592	0.193	-0.627	-0.011	0.352	0.042	-0.618	-0.522	-0.08	-0.272	0.011	0.044	-0.43	1.285	-0.545	0.219	0.061	-0.092	-0.264	-0.205	1.112	-0.336	1.933	0.2475	0.196	-0.581	-0.396	-0.1545	0.364	0.175	1.487
OSBPL3	691049	1.505	-0.5435	-0.9035	-0.7325	-0.0115	-0.0705	1.804	1.011	-0.6	0.4865	-0.9725	-0.1815	0.0115	-0.6415	0.6005	-0.4015	0.3605	0.3555	-0.1455	0.2965	1.772	1.137	0.153	-0.5045	-0.4235	0.1295	-0.3515	-0.8755	0.4745	0.1505	0.0535
OSR2	681734	0.1958	1.167	0.0428	1.501	-0.5622	-0.8882	0.8548	-1.217	-0.73	-0.7352	0.3458	3.772	-0.3802	-0.3812	-0.6452	1.383	1.183	-1.065	-1.368	0.3468	0.2368	-0.6172	1.472	0.0163	-0.0163	2.286	-0.4992	-0.3722	-0.5352	1.826	0.5778
OSTF1	684940	0.262	0.597	0.326	-0.051	0.16	0.118	1.611	1.132	-0.61	0.003	0.185	0.304	-0.138	0.095	1.357	-1.086	-0.021	1.255	-0.395	-0.598	-0.369	-0.117	-0.199	-0.783	0.627	0.525	-0.617	-0.768	0.126	-0.475	-0.003
P2RX1	681440	1.609	1.436	-0.026	-0.061	1.852	-0.255	0.534	-0.287	-0.19	-0.328	0.117	0.21	-0.125	0.007	1.801	0.736	0.11	-0.212	-0.188	0.143	-0.001	0.001	0.5155	-0.388	0.469	0.161	-0.315	-0.2735	-0.421	-0.197	0.135
P2RY2	698219	-1.161	0.13	-0.411	-0.885	-0.535	-1.02	-1.669	-0.753	0.1	-0.443	-1.637	-1.193	2.441	-0.728	-0.22	-0.114	-1.541	-1.429	-1.842	-1.227	-0.769	-1.261	-1.678	-1.89	-0.749	-0.871	-0.423	-1.173	-0.773	-1.26	-0.91
PACAP	697667	0.31	-2.235	-3.014	-2.5	-0.698	-2.785	-1.973	-3.071	-0.84	-2.644	-1.069	-1.717	0.013	-0.985	0.047	-1.928	-2.171	-2.505	-0.227	-1.097	-1.26	-2.161	-1.64	-2.5845	-0.972	-1.559	-2.663	-2.8895	-1.127	-1.85	-1.844
PADI2	688464	1.859	-0.6365	0.5505	-0.1275	-0.5545	-0.5545	2.729	1.93	-0.16	0.5215	-0.1725	1.101	-0.0925	0.7365	2.313	0.0195	-0.1635	2.483	-0.4905	-0.2315	1.058	1.508	-0.111	-0.1205	-0.1745	0.0215	1.377	-0.0175	-0.1685	-0.0255	1.806
PAPD5	688131	0.5255	1.104	-0.1125	-0.7245	0.7225	0.9225	0.5705	-0.0265	0.13	0.1485	0.3655	0.0985	-0.0215	-0.3725	-0.1015	-0.4735	-0.0495	-0.1615	0.1205	-0.5685	-0.1685	-0.4945	0.1055	-0.217	0.5995	0.1235	1.07	-0.643	0.4605	-0.3755	-0.2405
PAPSS2	688187	0.4605	0.4345	1.658	-1.001	-2.126	0.3235	-0.6235	1.457	-0.43	-1.202	-0.2445	-0.6275	-0.8735	1.077	0.2855	-1.089	1.766	0.3125	-1.272	-0.9325	0.3115	-0.7405	1.909	-1.177	-1.38	1.232	1.809	-0.9965	0.3105	0.2445	1.876
PARD6A	692612	0.444	-0.219	-0.046	0.625	1.665	0.964	0.239	-0.456	-0.21	-0.603	0.374	-0.091	0.256	-0.175	-0.058	0.132	0.266	0.563	1.254	0.261	0.563	-0.313	0.458	0.808	0.691	0.335	0.415	0.089	1.547	0.433	-0.109
PARP1	683432	-0.1475	0.2525	1.413	-0.1355	0.4155	-0.5755	0.6025	0.7165	-0.19	-0.0595	-0.2305	0.5045	0.2165	0.1845	0.2375	-0.1465	-0.2255	0.3905	-0.4075	0.4145	0.9005	0.1265	-0.1455	-0.4785	-0.4975	-0.6115	0.5695	0.8465	-0.7945	0.0595	-0.1535
PARP9	695188	0.325	1.544	0.445	0.973	1.148	2.073	1.395	-0.08	-0.05	0.577	0.942	1.935	0.143	1.337	0.673	1.209	1.649	0.621	0.885	1.524	1.039	0.738	0.263	0.217	0.813	0.303	1.638	1.464	1.77	1.255	1.048
PAXIP1L	684118	-0.4328	-0.2018	3.339	-0.5648	-0.4258	1.057	0.9922	0.7332	-0.02	-1.503	1.694	3.063	-0.9718	-1.421	1.333	1.302	-0.2738	-1.694	2.246	-0.2728	0.5042	0.5612	2.544	-0.1653	-0.2938	1.1652	-0.6928	-1.855	-0.8258	-0.2928	0.8742
PBX3	692245	-0.562	0.128	-1.846	2.026	0.584	0.036	-0.787	-0.591	0.15	-1.712	0.776	-0.691	-1.442	-0.532	-0.853	-0.135	-0.467	-0.224	-0.695	0.467	-1.035	-0.769	0.9965	-0.5165	0.782	0.733	0.88	-0.32	3.083	-0.379	0.526
PCDHB11	681640	0.0985	-0.7045	0.2895	-0.1915	0.1235	-0.7305	-0.2395	2.412	0.23	-0.7285	-0.2845	0.7165	-0.0015	-0.7655	0.5915	0.6195	-0.1625	0.5865	0.0015	-0.7615	-0.4825	0.2835	-0.4985	-0.261	0.2505	0.7155	0.1625	-0.895	0.3325	-0.1105	0.3565
PCDHB16	697521	-1.995	0.568	-0.959	-2.49	1.603	-0.507	0.454	-1.858	0.8	-0.949	0.403	-0.774	-0.104	-0.293	0.075	-1.12	-2.28	-0.085	-0.282	-2.344	-1.84	0.292	-0.5145	-1.3455	-2.202	0.465	-2.34	0.0655	-2.463	0.117	-1.725
PCDHB2	684692	0.912	0	-1.488	0.799	1.343	-1.191	-1.219	3.913	0.6	-1.004	-0.456	2.291	-0.809	-1.133	1.692	0.076	-0.358	2.714	0.6604	0.902	-1.053	-0.924	-0.5875	1.35	1.208	1.517	1.05	-0.763	-0.877	-0.365	0.011
PCM1	685108	-0.5415	-1.141	0.9375	1.062	0.6985	-0.8655	-0.0095	-0.5625	1	-0.2865	0.3535	-1.318	-0.3155	-1.18	-0.2825	-0.3375	-0.8715	-1.142	0.2235	1.012	0.0095	-0.3525	-1.225	0.184	0.3895	0.9595	1.578	0.7955	0.5385	0.4225	-0.1295
PCNA	683820	-0.371	-1.99	0.23	0.565	0.64	0.62	0.007	0.889	-0.41	1.322	-0.95	1.56	-1.34	-1.13	0.513	-1.046	-1.55	0.71	-0.117	0.05	0.711	0.965	0.6905	-0.01	0.055	-0.101	0.729	0.0095	-1.15	-0.12	0.717
PDCD1	687556	0.858	-0.301	-0.335	-0.303	0.532	-0.304	0.383	-0.241	-0.47	-0.615	0.182	-0.004	0.453	0.094	0.839	-0.07	-0.005	0.333	0.368	-0.161	0.629	0.2	0.618	0.2045	0.127	0.07	-0.331	-0.116	-0.194	-0.169	0.492
PDCD10	694505	-0.896	-0.523	-0.886	-0.351	-1.155	-1.274	-0.34	0.792	-0.16	-0.351	-0.46	-1.263	-1.381	0.417	0.762	-1.281	-0.757	-0.444	-1.013	-1.012	-1.402	-0.827	-0.715	-1.741	0.111	0.457	-0.259	-1.086	-0.803	-1.537	-0.471
PDCD4	692083	-0.514	-0.405	0.002	-0.232	-0.178	-0.537	-0.19	-0.236	1.46	0.018	-0.351	-1.105	-0.507	-0.22	0.003	-0.361	-0.302	-0.327	-0.151	-0.109	-0.008	-0.618	-0.805	-0.758	-0.442	-0.294	-0.113	0.1985	-0.126	-0.317	-0.587
PDCD5	682521	-0.521	0.611	1.98	0.194	0.329	-0.094	0.522	1.018	-0.27	0.3	0.239	-0.37	1.849	0.196	1.224	-1.229	-0.057	-0.143	-0.133	-0.116	-0.553	0.914	0.951	-0.227	0.057	0.495	-0.219	-0.4755	-0.24	-0.474	-0.304
PDCD8	697693	0.309	0.667	0.462	-0.139	0.726	0.088	0.048	-0.993	-0.28	-0.315	-0.063	-0.297	0.058	-0.023	0.09	-0.884	-0.06	0.332	0.286	-0.124	-0.027	-1.049	-0.4615	-0.51	1.005	-0.28	-0.684	-0.063	0.156	-0.433	0.169
PDE4DIP	689720	0.5505	0.8625	-1.498	1.144	0.7885	-0.5175	-0.1685	-0.2675	-0.17	0.6125	1.029	2.657	0.2805	-0.2765	0.3135	-1.385	-1.544	1.305	1.122	-0.9375	0.8665	-0.8265	0.8225	1.809	0.2345	-0.0975	-0.7485	-0.4175	-1.187	-0.6665	0.0265
PDHA1	684251	1.948	-1.116	-0.196	0.554	1.013	-1.386	-0.163	-1.02	-0.29	0.074	-0.576	0.26	0.435	-0.194	0.988	-0.343	-0.613	-0.524	0.187	0.66	1.034	-0.441	0.295	0.093	0.074	-0.289	-0.074	-0.721	1.123	-0.216	0.139
PECI	689878	0.015	0.445	0.134	0.479	0.691	0.163	-1.96	-1.161	0.63	-1.472	1.07	-0.875	0.279	-0.046	-1.195	0.121	-0.18	-0.015	0.421	0.337	-0.804	-2.499	-1.242	-0.062	0.139	-0.328	-0.192	-0.1	0.351	-0.728	0.253
PEG10	687554	2.096	-2.503	0.6945	-2.266	-2.721	0.2975	1.435	1.029	2.23	-1.282	0.8765	0.1785	2.371	-1.516	-0.7405	-2.137	0.9535	-1.031	-2.38	-2.784	0.4375	-2.085	-2.412	-2.762	-0.0395	1.311	1.881	1.378	-2.3	1.327	0.0395
PER2	688213	-0.1658	0.2282	0.1472	0.3672	1.164	0.3942	-1.697	-0.6398	0.78	-0.4948	1.079	-0.6458	-0.7578	-0.1958	-0.9008	0.9782	0.6042	-1.297	0.7712	0.6872	-0.3658	-1.165	-1.33	-0.0743	0.8252	-0.1428	0.4532	-0.0633	0.0633	0.6112	0.5052
PERP	683121	0.907	-0.025	0.338	-0.592	-0.829	-1.11	-0.086	0.763	0.68	0.025	0.262	0.123	-2.059	0.382	1.748	0.158	-0.336	0.858	-1.415	-1.355	-0.917	0.717	-0.7765	-1.151	0.102	-0.931	0.094	-0.396	-4.017	0.215	0.399
PEX1	686946	-0.1345	-0.3585	0.7665	0.6825	-0.0245	0.1755	0.9655	-0.0115	0.41	-0.6805	-0.2425	-0.5975	0.0225	0.0115	-0.4615	-0.5915	-0.0395	-0.0495	0.1225	-0.0735	0.2505	-1.032	-0.6375	-0.5385	0.3635	0.5545	0.7115	0.111	0.0945	0.0835	0.0435
PFAAP5	683100	-0.555	-0.506	0.085	-0.004	-0.607	-3.034	0.135	-0.073	0.96	-0.525	-0.504	-0.791	-0.157	-0.603	0.883	0.41	-0.128	-0.692	0.012	1.16	-0.121	-0.035	0.004	0.9195	0.355	0.282	0.226	0.311	-0.16	0.765	0.009
PFDN2	687458	0.272	0.517	0.61	0.177	0.236	-0.25	0.34	1.036	-0.22	0.088	-0.303	1.176	0.984	0.276	1.12	-0.643	-0.156	0.462	-0.499	0.179	-0.143	0.182	0.2125	-0.1315	-0.728	-0.182	-0.227	-0.3485	-0.124	-0.163	-0.179
PGM1	681276	-0.4795	-0.8405	-0.2895	-0.8445	0.0635	0.6845	-0.0065	0.7105	0.52	0.1965	1.671	1.075	-0.6045	-0.1585	-0.2585	-0.7235	-0.7675	0.4895	-0.2345	0.7845	-0.1855	0.3335	-0.295	0.1805	0.0065	0.1335	0.5465	0.604	0.8615	-0.0925	-0.6445
PGR1	689407	-0.23	0.751	-0.779	0.047	0.076	0.817	0.078	-1.348	0.43	-0.623	0.682	-0.415	0.378	-0.519	-0.831	-0.047	0.073	-0.517	0.026	0.07	-0.854	-1.283	-0.3085	-0.149	0.396	0.252	-0.394	-0.785	0.556	-0.143	0.09
PHAX	692593	-0.419	0.012	-1.091	-0.548	-0.182	-0.879	-0.507	-0.369	-0.22	0.918	0.603	-0.885	0.123	-0.962	-0.193	-1.498	-0.753	-0.614	-0.883	-1.041	-0.443	-0.7	-0.2	-0.327	-0.68	0.315	-0.505	-0.469	-0.737	-0.742	-0.153
PHGDH	682628	0.15	-1.292	0.386	-0.503	-0.801	-1.135	0.098	0.562	-0.19	0.769	-1.163	1.472	0.211	-0.098	1.078	0.226	0.453	1.547	-0.706	-0.545	0.442	2.233	0.2155	-0.9885	-0.871	-1.569	-1.292	0.521	-1.34	-0.438	0.483
PHYH	689499	-0.346	-1.005	1	-0.416	0.031	1.388	0.788	0.243	-0.52	-0.031	0.303	0.308	0.765	-1.026	1.488	-0.622	0.34	0.709	-0.294	0.664	-0.608	0.868	-0.3685	-0.562	-0.206	-0.253	0.545	-0.4895	0.326	-1.148	-0.48
PIB5PA	691558	-0.397	-0.005	-2.788	0.719	0.333	1.597	-2.388	-1.981	1	-2.654	0.21	-2.071	-1.195	0.12	-1.718	0.328	0.507	-0.575	1.765	0.538	-0.376	-1.99	0.0955	0.524	-1.666	-0.161	0.321	1.232	0.146	-0.846	0.005
PIGT	688446	-0.3085	0.5915	-0.2325	1.018	2.544	0.2975	-0.4335	-0.4455	-0.24	1.031	0.4765	-0.2705	-0.1245	-0.4215	-0.4215	-0.3845	0.8675	-0.5875	1.268	0.4145	-0.5155	-0.2005	-0.3485	1.071	0.5095	1.073	-0.0875	0.4295	1.337	0.0875	-0.3505
PIM2	697074	-1.159	-1.19	0.032	-0.114	1.128	-0.312	-0.273	0.905	-0.63	-1.57	-0.032	-0.152	-0.864	-1.161	0.06	0.425	-0.155	-0.36	-0.587	1.509	-0.969	0.318	-0.7425	0.27	0.725	0.422	0.566	0.4505	0.214	0.121	-0.66
PISD	696650	0.668	0.567	-0.252	0.953	0.81	1.992	-0.175	-0.32	0.1	0.826	1.353	-0.013	-0.16	-0.086	-0.242	0.117	0.987	0.577	2.153	0.717	-0.045	-0.282	0.1565	-0.311	-0.052	-0.372	0	-0.272	0.055	-0.339	0.027
PITPNC1	694234	0.745	-0.117	-0.155	-0.377	-0.006	0.389	0.041	0.378	-0.16	-0.303	-0.379	0.248	-0.225	2.398	0.159	-0.068	0.133	0.395	0.074	0.006	1.384	0.392	3.785	-0.4795	-0.226	-0.672	-0.458	-0.225	-0.805	-0.105	0.97
PKIB	681591	-0.345	-0.273	0.277	3.269	-1.07	0.752	-3.539	-0.727	1.96	2.017	2.753	-1.332	3.149	-1.006	-0.623	-1.142	0.199	-0.199	2.474	2.932	-2.328	-1.065	-2.107	-0.545	2.572	-0.332	1.414	0.6255	1.822	0.948	-1.005
PKMYT1	686037	1.06	0.5515	0.8505	-0.4935	-0.3405	0.2945	2.046	0.9765	-1.11	1.301	-0.7115	0.3555	0.8195	-0.2225	0.9665	-1.439	-0.3605	0.8145	-0.6035	-1.321	0.3835	0.2165	-0.0155	-0.621	-0.5675	0.2865	-0.4465	-0.2685	-1.032	0.0155	0.2755
PLA2G4B	695710	-0.1965	0.0135	-1.005	-1.06	-1.087	1.173	-0.0135	-0.7605	-0.02	2.243	0.8385	1.142	0.6125	0.3055	0.3525	-0.2725	0.8575	1.593	-0.1425	0.5405	0.6465	0.3325	0.1815	-0.738	-1.052	-0.3365	-0.7135	-0.523	-1.046	0.4445	0.1735
PLAC8	692243	-3.344	-4.988	-3.417	-3.819	-4.32	-4.218	-1.271	-3.715	0.41	-0.28	-3.168	-3.393	-1.956	-2.356	-0.128	-1.477	-3.604	-1.816	-2.656	-2.673	-1.56	-2.589	-2.525	-2.868	-2.112	-3.626	-3.239	-3.474	-3.546	-2.911	-0.859
PLCB1	681242	-0.748	1.734	-1.097	-2.351	-1.293	-2.69	-2.711	-3.449	-0.27	-0.356	-1.282	-3.087	-0.213	-0.572	-3.133	-0.688	-0.022	-3.194	-0.762	-2.321	-1.818	-1.333	-0.8765	-1.5405	-1.687	0.121	-2.951	-2.9205	-1.683	-1.247	-1.527
PLCXD1	686574	3.154	0.534	-1.819	-0.796	1.773	-2.249	1.313	-1.728	-0.04	-0.888	0.139	1.247	1.302	1.271	2.642	-1.647	-0.532	-0.927	2.014	1.503	0.107	-0.107	0.7545	-0.46	1.211	1.057	-0.813	-1.717	-1.478	-0.247	-0.371
PLEK2	686964	1.267	-0.4215	-0.8185	0.6855	-0.3155	-0.6475	-0.7985	-0.8685	-0.32	1.021	-0.2575	-0.7105	-0.7835	0.2415	0.2065	-0.7975	0.4375	0.9505	-0.6275	0.7465	0.2375	0.0625	0.145	0.167	0.1165	0.0445	0.3845	0.0295	-0.2295	-0.0325	-0.4255
PLOD	690311	-0.0475	-0.6575	0.2995	-0.2005	-0.1785	-0.4055	0.4335	1.205	0.02	0.8305	-0.4365	2.04	0.2825	-0.2855	-0.5085	0.1675	0.3525	0.9735	-0.1115	-0.2605	0.0445	1.208	0.653	0.0445	-1.092	-0.0875	-0.4685	-0.154	0.3005	0.3315	-0.4325
PNAS-4	695276	0.207	-0.576	0.506	-0.495	-1.225	-0.962	0.872	1.14	0.07	-0.067	-0.737	0.049	-0.784	0.449	0.662	-0.756	-0.714	-0.099	-1.087	0.537	-0.412	0.332	0.229	-0.648	-0.806	-0.131	0.031	-0.3925	-0.543	-0.345	0.253
PNLIPRP2	692823	-0.156	0.646	-0.493	0.215	0.782	1.031	-0.404	-0.238	-0.05	-1.025	0.588	-0.613	-0.097	0.107	-0.304	0.111	-0.255	-1.103	1.909	0.623	-0.647	-0.763	-1.182	-0.256	0.097	0.671	1.015	-0.1425	0.659	-0.24	0.326
PNMA3	695191	0.1295	-0.1835	-0.3205	3.218	0.3655	-0.1665	-0.7345	-0.0785	-0.16	-0.2635	2.323	0.0675	-0.1045	-0.1775	-0.2835	0.2465	-0.0125	-0.4145	-0.1765	1.498	-0.5085	-0.0025	0.4365	0.9665	1.538	0.5615	0.0025	0.1855	3.659	-0.0995	0.7805
POLB	688699	2.088	1.575	0.221	-0.382	-0.08	-0.628	0.566	-0.01	-0.24	-0.593	0.411	-0.241	0.074	1.152	2.216	-0.28	-0.544	1.447	0.349	-0.082	1.075	-0.168	-0.2465	-0.8245	0.754	-0.097	-0.739	-0.617	0.01	0.025	0.449
POLR2F	695452	-0.649	-0.755	-0.366	-0.547	-0.737	0.026	0.426	0.321	0	0.684	-0.312	0.607	-0.042	-1.245	-0.114	-1.355	-0.522	-0.234	-0.488	-0.309	-0.765	-0.792	-0.6465	-0.467	-1.197	-1.085	-0.783	-0.9595	-0.249	-0.858	-1.092
POLR2H	692429	0.9065	-0.6015	0.5505	-0.9205	0.2005	-0.2305	-0.7065	0.4135	0.33	-0.2945	-0.5185	0.3005	-0.5595	0.1745	0.0485	-0.0485	0.4615	-0.7275	-0.4585	0.1355	0.8895	1.037	0.169	-0.0975	-0.1845	-0.7315	-1.259	0.52	0.4365	-0.6505	1.338
POMC	683917	-0.0035	0.2385	-0.1845	-0.3545	0.0065	-0.4385	0.4895	0.8025	-0.28	1.426	-0.2725	0.6025	0.0935	-0.3615	0.7725	0.0735	-0.3435	-0.2295	0.0035	-0.7815	0.5645	1.159	0.3045	0.255	-0.0995	-0.1115	-0.2055	-0.282	-0.2635	0.1045	0.1755
POP4	687322	0.001	-0.199	1.097	0.038	-0.471	-0.354	-0.361	0.071	-0.27	0.786	-0.222	2.501	1.273	0.067	0.234	-0.111	-0.318	-0.559	0.092	-0.32	-0.28	-0.001	0.8676	-0.739	0.312	0.523	0.42	-0.124	-0.012	-0.198	0.337
POP7	688981	0.0745	-0.2645	0.1535	0.1775	0.4475	0.1645	0.9775	0.5255	-0.34	0.8055	0.1555	0.1925	0.1225	-0.2575	-0.3695	-0.3435	0.0275	0.2795	0.0345	-0.3215	-0.2705	-0.4195	-0.0275	-0.0335	-0.1455	0.1675	-0.2595	0.0305	-0.2005	-0.3335	-0.2355
PP1057	694694	2.019	1.431	2.411	1.605	1.547	2.017	0.156	1.213	0.63	1.577

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB378	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378 || /	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
PRAME	690640 || f	-0.0805	2.018	2.206	-0.4305	-0.9355	0.0805	1.646	2.753	0.33	-0.2455	-0.3405	2.649	-0.4505	1.311	-0.4895	-0.6265	3.257	0.6065	-0.1755	-0.2995	0.7105	-0.2295	2.129	0.181	-0.1915	-0.4635	-0.3165	-0.971	0.1095	0.9265	1.383
PRC1	685404 || f	0.5055	0.4215	0.0205	-0.1335	-0.0055	-0.0725	0.8505	0.9885	-0.93	1.247	-0.0145	0.3745	0.0505	-0.4745	0.6155	0.0055	0.3335	0.7235	-0.0945	-0.3985	-0.2255	0.7665	0.3355	-0.336	-0.3975	0.5695	-0.9285	-0.171	-0.7725	-0.2635	0.1945
PRIM2A	687823 || f	0.219	-0.789	1	0.031	-1.759	0.141	0.694	1.127	-0.22	1.16	-0.476	0.69	0.101	-0.223	1.14	-0.512	-0.476	1.135	-0.332	0.124	0.548	0.846	-0.213	-0.236	-0.072	-0.133	0.05	-0.1245	-0.031	-0.039	0.553
PRKACB	696518 || f	0.184	0.736	-0.325	-0.083	2.46	0.011	-0.213	-0.385	-0.31	-0.529	0.124	0.031	-0.309	-0.246	-0.166	0.472	-0.03	-0.373	3.271	-0.285	-0.016	-0.357	-0.4785	1.3505	0.671	-0.337	-0.425	-0.1595	2.204	-0.375	0.115
PRKCB1	694132 || f	-1.314	-4.887	-3.335	-2.564	-3.955	-1.876	-0.723	-3.027	-0.22	-2.548	-1.8	-2.095	-1.371	-2.252	-0.848	-1.504	-1.919	-1.615	-1.383	-0.953	-1.112	-1.921	-1.2795	-1.7105	-1.606	-2.71	-2.748	-2.2115	-2.381	-2.305	-0.271
PRKCI	686943 || f	0.2142	0.4552	-0.3278	-0.5188	-0.4778	-0.6818	0.0853	1.178	-0.44	-0.0718	0.7142	-1.108	-0.7328	0.6772	0.8622	0.3132	0.1682	-0.1158	-0.2808	0.5302	0.4802	0.3822	-0.0013	-1.24	-0.1658	0.4832	0.0013	0.3722	-0.2888	0.4132	-0.2938
PRKRIR	684358 || f	-0.02	-0.153	1.157	-0.286	0.005	-0.093	-0.062	0.99	0.35	0.699	0.039	-0.058	-0.96	-0.005	0.429	1.554	0.053	0.109	0.466	-0.116	0.217	0.081	-0.3795	-0.5485	-0.052	0.065	-0.166	-0.3455	-0.114	-0.368	0.364
PRKWNK	683385 || f	-1.015	-2.128	-1.084	-1.411	-2.367	-1.252	-0.863	-0.698	-0.07	-0.239	-1.671	-0.991	-1.552	-1.56	-0.454	-2.111	-1.39	0.228	-1.32	-1.804	-0.555	-0.347	-1.196	-0.7995	-1.413	-1.255	-1.205	-1.538	-1.678	-1.152	-1.399
PRKX	686136 || f	-0.033	0.505	-1.15	-0.106	0.279	-0.321	-0.002	-1.268	-0.71	-1.428	-0.214	-1.256	0.292	-0.632	-0.65	0.169	0.48	-0.695	-0.698	-0.286	-1.024	-1.306	-0.6575	-0.2705	0.277	0.282	0.244	0.2055	0.542	0.013	-0.283
PRNP	692320 || f	-2.144	-1.362	0.178	-3.134	-1.218	-2.326	-0.903	-0.027	1.37	-2.176	-1.664	-1.568	-1.672	-2.493	-1.014	-0.273	-1.642	-2.509	-1.32	-3.023	-2.955	-1.21	-2.293	-3.3455	-1.262	-1.143	-1.681	-2.568	-1.781	-1.245	-0.81
PROL5	694331 || f	1.785	0.055	-0.326	-0.323	0.271	0.214	-0.08	-0.435	-0.02	0.017	0.334	0.222	-0.017	-0.141	1.523	-0.321	0.021	-0.231	0.26	0.217	0.102	-0.1	0.4445	0.5625	0.204	-0.192	-0.394	-0.167	-0.211	-0.353	-0.348
PRPF18	685943 || f	-0.155	-0.669	0.481	-0.135	-0.879	-0.182	0.075	1.011	0.07	0.703	-0.011	-0.481	0.171	-0.168	1.339	-0.044	-0.055	0.321	-0.388	-0.209	0.098	1.081	-0.142	-0.701	0.172	1.061	0.735	-0.3655	0.011	-0.36	0.432
PRPSAP1	681061 || f	-0.2535	1.33	0.7345	0.1335	0.4615	0.0095	-0.0685	1.111	0.27	-0.6425	0.9705	2.284	0.4565	-0.6715	0.6425	-0.2575	-0.3185	-0.1965	0.2655	-0.0695	-0.8055	1.129	-0.7935	-1.047	1.157	-0.0095	0.3305	-0.12	-0.4445	0.0255	-0.2495
PRSS12	692634 || f	-1.489	-2.302	-1.051	-1.615	-2.401	-1.937	-1.31	1.807	0.73	-0.279	-2.379	2.018	-1.461	-1.371	1.101	-0.877	-1.496	-1.49	-1.141	-1.132	-1.524	-0.808	-1.701	-1.0935	-1.582	-1.797	-2.094	-1.283	-2.166	-1.387	-1.229
PRSS16	695121 || f	0.54	-0.69	1.128	-0.751	1.022	1.791	0.93	0.792	0.6	0.184	0.526	0.796	-0.951	-0.516	1.874	1.157	-0.603	0.262	-0.125	1.621	1.281	-0.08	0.511	1.342	1.38	-0.902	1.239	0.405	0.806	0.09	1.341
PSD3	688328 || f	-0.097	-0.313	-1.53	2.714	-0.228	0.194	-1.309	0.097	0.96	-1.615	0.573	1.733	-1.495	-1.573	-2.035	-1.33	-0.54	-1.229	0.108	2.901	-0.163	0.237	0.926	2.441	0.221	1.145	1.411	2.726	-1.099	1.403	-0.654
PSMA3	682239 || f	0.3395	-0.7445	0.0175	0.0815	-0.1315	-0.4945	0.2785	0.3595	-0.45	1.723	0.0145	-0.8855	1.139	0.0955	0.8745	-0.9385	-0.3085	-0.0145	-0.2475	-0.2545	-0.3095	-0.1945	-0.495	-0.6975	0.0815	0.6375	0.1395	-0.4145	0.2235	-0.4185	0.0505
PSMA7	694665 || f	-0.241	0.337	-0.025	-0.583	0.331	-0.692	-0.399	-0.034	-0.85	1.143	0.121	0.435	-0.264	-0.966	-0.469	-1.193	0.074	0.265	-0.549	-0.992	-0.777	-0.021	0.31	-1.0275	-0.116	0.234	-1.137	-0.544	-0.475	-0.928	-0.217
PSMC5	687471 || f	1.521	0.9305	-0.8705	-0.0105	0.0055	0.4445	-0.2935	-0.2125	0.09	0.3015	-0.2245	-0.2235	0.6885	-0.6665	-0.2555	-0.4135	-0.0925	0.0655	-0.0055	0.1755	1.518	0.4545	0.885	-0.421	0.8285	-0.5795	-0.1335	-0.3955	0.3005	0.8875	0.6315
PSMC6	693728 || f	-1.063	-0.877	-1.153	-1.019	-0.745	-1.064	-1.437	-0.73	0.1	1.09	-0.121	-1.531	-0.177	0.253	-0.738	-1.466	-1.174	-1.316	-0.838	-0.675	-1.32	-1.477	-1.6335	-1.511	-0.487	-0.11	-0.341	-0.8745	-0.981	-1.111	-0.922
PSMD12	697390 || f	0.858	-0.327	-0.579	-0.245	-0.138	-0.807	-0.235	-0.404	-0.16	-1.447	-0.443	-0.319	0.502	-0.308	0.568	-0.244	-1.419	-0.172	-0.717	-0.649	1.09	0.086	-0.862	-0.994	1.588	-0.324	0.155	-0.6945	-0.241	-0.417	1.608
PSMD12	697530 || f	-0.718	-0.292	-1.769	-1.316	-1.607	-1.881	-1.012	-0.01	-0.38	-0.214	-1.052	-0.632	-0.032	-1.341	-0.474	-2.12	-1.821	-0.776	-1.808	-1.145	-0.415	-0.148	-1.487	-1.75	0.21	-1.519	-1.237	-1.6465	-1.549	-1.848	-0.194
PSMD3	681750 || f	0.409	0.173	-0.753	-0.838	0.029	-0.708	0.839	0.038	-0.59	-0.245	0.02	0.279	-0.135	-0.272	0.116	0.324	-0.02	0.228	-0.184	-0.2	0.848	0.983	2.153	0.591	0.089	-0.265	-0.685	-0.6535	-0.207	-0.274	0.553
PSPH	685810 || f	-0.3	0.707	-0.298	0.358	0.163	0.965	-0.392	-0.372	0.36	-0.868	0.249	-0.313	0.583	-0.428	-0.542	-0.152	0.163	-0.383	0.145	-0.012	-0.523	-0.363	-1.268	-0.323	1.396	0.664	0.54	0.012	0.334	-0.123	0.402
PTD012	684256 || f	0.7645	0.5655	0.5105	0.7455	0.0445	0.1925	1.261	-0.1825	-1.05	-1.012	-0.1225	-0.1595	-0.4125	-0.0725	0.2025	0.2245	-0.8455	-0.5465	0.2775	0.3405	1.463	-0.2865	-0.44	-0.4965	-0.0445	-0.2945	0.7815	-0.3425	0.4845	-0.0575	0.7725
PTGER3	685654 || f	0.118	-0.72	0.006	-0.211	0.711	0.018	0.037	-0.265	0.57	-0.131	1.208	-0.246	-0.348	-0.143	-0.204	-0.61	0.748	-0.419	-0.098	0.053	-0.224	-0.174	0.8835	0.0385	-0.249	1.404	0.922	0.0235	-0.128	0	0.557
PTHLH	683001 || f	-1.901	-2.746	1.032	-1.44	-0.071	3.487	0.811	-1.115	1.27	-0.414	1.071	-0.026	-0.463	-1.052	0.365	-0.604	2.454	-1.538	0.026	0.878	-1.23	0.375	0.184	0.1245	1.472	0.211	2.758	-1.889	3.135	-0.222	-0.353
PTK6	690829 || f	0.805	-0.28	-0.847	0.569	-0.493	0.253	-0.399	0.053	-0.21	-1.244	-0.38	-0.146	-0.642	0.434	-0.695	-0.469	0.928	-0.224	-0.062	0.154	-0.109	0.008	0.842	0.721	-0.008	1.676	0.713	0.3645	0.522	0.036	0.901
PTPN4	693676 || f	0.291	0.25	0.95	0.03	0.292	0.422	-0.216	0.879	-0.27	-0.407	-0.478	-0.286	-0.722	-0.145	-0.015	-0.552	0.149	-0.393	0.077	0.027	-0.006	-0.173	0.456	-0.4065	0.537	0.511	0.086	-0.0405	-0.254	0.395	0.868
PTPN7	687885 || f	1.023	-0.1205	-0.5975	-0.7545	0.5475	0.1825	0.6495	-0.6035	-0.2	-0.3165	0.1575	-0.0415	0.2295	0.0445	0.9585	0.6685	0.0415	0.5665	0.1315	0.3195	-0.3605	0.2405	0.0735	-0.083	-0.1165	-0.3955	-0.4605	-0.407	-0.2815	-0.0435	0.1495
PTPRF	684441 || f	-0.381	0.051	-0.144	0.359	0.078	0.895	0.397	0.48	-0.45	0.106	-0.476	0.612	-0.154	-0.051	1.243	-0.743	0.608	1.039	-0.456	-0.2	1.527	0.611	-0.1465	-0.451	0.174	0.272	0.014	-0.437	-0.014	-0.104	-0.263
PTPRN2	685456 || f	-0.2195	-0.2725	-0.1605	3.799	0.6745	0.5415	0.0685	-0.4525	-0.55	-0.2395	0.2335	-0.0215	0.1415	-0.6435	-0.3515	1.492	-0.1305	-0.2355	2.493	-0.0605	1.736	-0.5245	0.0215	0.5865	2.512	-0.7545	-0.4715	1.529	3.702	0.0845	0.9735
PTPRT	694229 || f	0.374	-0.183	1.026	1.647	-0.076	1.197	0.435	0.059	0.89	0.072	1.893	-0.915	0.737	0.258	0.034	0.597	1.973	0.234	2.241	1.935	0.069	-0.004	0.1935	1.911	2.303	0.448	0.334	2.5505	3.359	1.077	0.31
PTS	691288 || f	0.102	-0.015	0.251	-0.099	0.797	-0.228	0.819	1.69	-0.17	0.032	0.072	0.124	-0.039	0.015	-0.479	-1.382	-0.66	-0.189	0.228	-0.644	-0.218	0.77	-0.075	-0.2385	0.047	0.703	-0.182	-0.7385	0.123	-0.343	0.64
PTTG1	687187 || f	1.077	0.072	1.483	-0.072	-0.377	-0.374	2.01	1.785	-1.01	1.687	-0.366	0.7	0.726	-0.222	1.281	-0.27	0.273	0.576	-0.077	-0.514	0.517	1.093	0.8145	-0.3445	-0.542	0.641	-0.779	-0.1595	-0.465	-0.152	0.139
PURB	697166 || f	-0.832	-1.322	-1.064	-1.117	-0.991	-1.562	-1.264	-0.176	-0.73	0.46	-0.763	-1.013	-1.085	0.437	-0.004	-0.455	-1.013	-1.1	-1.961	-1.61	-1.377	-0.662	-1.1395	-1.741	-1.16	-0.608	-0.89	-1.0025	-1.477	-1.328	-0.92
PXMP2	694802 || f	-0.935	0.166	-1.627	-0.497	-0.642	-0.114	-0.649	0.415	-0.03	-0.328	-0.462	-0.374	-0.397	-1.965	-0.3	-2.098	-0.369	-0.012	-0.293	-1.08	-0.768	-0.483	-0.6015	-1.4705	-1.01	-0.134	-0.403	-0.8775	-0.297	-0.941	-0.926
PYCARD	696817 || f	-0.14	0.38	0.164	-0.519	0.373	0.89	-0.017	0.187	0.16	-0.631	-0.526	0.026	-0.333	-0.428	0.451	-0.221	-0.165	0.11	-0.676	0.017	0.477	0.421	0.3345	0.076	-0.442	-0.325	0.815	0.0205	-0.541	-0.02	0.372
PYCR1	683284 || f	0.2435	0.8025	0.2965	-0.3605	0.0205	-1.04	-0.2365	0.5985	-0.66	0.5685	-1.127	0.4595	0.5805	0.2495	-0.6445	-0.6145	-0.4875	0.3975	-0.4045	-0.7955	0.6655	1.089	0.3785	-0.4045	-0.3685	-0.2035	-0.0205	-0.3025	0.4065	0.0805	-0.2455
QDPR	695556 || f	-2.105	-1.157	-0.92	2.74	1.735	0.588	-0.723	-0.723	1.62	-1.767	1.721	0.326	0.74	0.374	-1.283	0.224	0.559	-1.393	0.69	-1.016	-1.714	-1.621	-1.844	0.0665	0.038	0.283	1.279	0.1	3.568	-1.119	-0.239
QPRT	681328 || f	0.584	1.486	0.377	-0.155	0.366	-0.356	-0.172	0.867	-0.36	0.26	-0.328	0.821	0.625	-0.481	0.103	0.069	-0.345	0.277	-0.298	-0.229	0.516	1.159	-0.043	-0.7125	0.146	-0.471	-0.135	-0.279	-0.399	0.198	-0.134
QSCN6	691861 || C	0.636	0.026	0.253	-0.208	-0.026	0.514	-0.762	-0.723	0.41	1.344	-0.235	1.162	0.335	-1.373	-0.988	-0.143	-0.114	-0.665	-0.301	0.632	-0.681	0.584	-0.418	2	-1.132	-0.366	-0.734	0.2485	1.144	0.383	0.099
RAB11FIP	697363 || f	0.174	-0.551	0.75	-2.627	-0.092	-1.628	-0.077	-0.024	0	1.007	-1.026	-0.299	-0.483	-0.303	-0.434	-0.99	-0.388	0.822	-1.965	-2.173	-0.547	-0.428	0.516	-1.9285	-2.084	-1.304	-1.484	-2.047	0.005	-0.954	0.517
RAB11FIP	692380 || f	2.606	0.749	1.3	0.224	-1.283	-0.52	1.127	3.487	0	-0.79	-0.259	3.659	0.496	0.791	2	3.03	2.394	2.692	1.808	3.868	3.675	3.002	0.517	1.4485	0.943	-0.374	1.819	-0.338	-1.066	1.551	2.509
RAB13	681521 || f	-0.1547	0.3343	-0.1817	0.5293	0.6823	0.1263	-0.3347	0.1433	-0.01	-0.9147	-0.9267	0.6273	-0.0068	-0.0208	-0.9097	0.0463	-0.0508	-0.2077	-0.0198	0.4973	0.4563	0.5493	0.2183	0.0958	-0.6197	-0.1947	0.6033	0.0068	0.2803	0.1183	-0.2247
RAB27A	689787 || f	1.104	-0.3815	-0.7145	-0.5825	0.1195	-0.4465	0.7355	1.427	-0.05	1.498	0.1835	-0.0425	0.9175	0.1176	0.2525	-1.397	-0.9415	0.9105	-0.0305	-0.5905	0.6885	2.503	0.0065	1.363	-0.1425	0.7555	-0.5015	-0.596	-0.0065	-0.0275	0.7495
RAB30	690906 || f	0.002	0.68	-0.463	1.912	0.11	0.386	-0.47	-0.268	-0.23	-0.674	-0.093	-0.233	-0.411	0.546	0.446	0.158	-0.193	-0.112	-0.507	1.111	-0.383	-0.34	-0.1705	-0.002	0.019	0.037	0.15	0.246	0.36	0.095	-0.267
RAB34	687074 || f	-0.814	-0.238	0.598	-0.421	-0.035	0.835	-0.23	0.412	0.58	-0.175	-0.47	0.212	-1.748	0.485	-0.183	0.508	1.581	-0.427	-0.976	0.696	0.057	-0.134	0.278	-0.2545	0.035	-0.08	0.432	0.633	-0.887	0.968	-0.269
RAB35	689469 || f	0.532	0.027	-1.045	-0.098	-0.792	-0.117	0.34	0.473	-0.82	0.007	-0.55	0.762	0.017	-0.786	0.545	-0.503	-0.713	1.045	-0.007	-0.575	0.208	0.837	0.328	-0.1955	0.178	0.17	-0.287	-0.638	-0.407	0.124	0.303
RAB39B	696999 || f	-0.476	-1.549	-0.264	-1.408	0.237	0.079	-0.73	-0.719	-0.33	-0.779	0.47	-0.643	-0.594	-1.349	-0.539	-1.509	-0.667	-1.077	0.908	-0.641	-1.311	-1.171	-1.28	-1.611	2.967	-1.454	-0.973	-0.782	0.831	-0.287	-0.527
RAB3A	686794 || f	0.1255	-0.0095	-0.2045	0.0135	0.2895	-0.0785	-0.3365	-0.0055	0.3	-0.1465	-0.2215	-0.0015	0.0425	0.0015	-0.1555	0.2025	0.1165	0.1375	-0.2835	-0.0435	0.2275	0.0455	-0.2395	-0.0405	0.9285	-0.2205	0.0405	0.047	0.1275	0.1645	-0.3535
RAB3IP	690420 || f	0.0075	-0.5655	-0.5345	0.3125	-0.8745	0.0095	0.3725	0.0675	0.1	-1.794	-1.474	-1.138	-0.6705	-0.1635	1.682	-0.8535	-1.048	-0.2355	0.4765	-0.2365	-0.0075	0.2645	-0.3195	0.132	0.5085	0.7795	0.3555	0.579	0.5215	-0.6135	0.6255
RABEP1	687547 || f	-0.6175	0.0745	-0.8635	2.051	1.407	1.134	-1.134	-1.084	0.84	-0.5205	1.231	-1.07	-0.0745	1.433	0.4665	-1.185	-0.9745	-0.5065	0.9985	0.9865	-0.7475	-1.166	0.945	1.326	-0.3865	-0.6755	1.843	0.2965	2.363	-0.3535	-0.1335
RABGAP1	694298 || f	0.59	-0.173	0.138	0.86	0.67	-0.43	0.73	0.725	-0.26	-0.728	-0.074	0.09	-0.21	0.499	2.322	0.32	0.191	0.586	0.439	0.349	0.971	1.331	0.9275	0.281	0.606	0.627	0.179	-0.0055	0.522	0.682	1.136
RACGAP1	690792 || f	-2.932	-3.677	-1.273	-2.357	-0.878	-2.085	-0.526	-1.777	-0.79	-1.314	-2.62	-0.427	-0.945	-3.281	-0.846	-3.388	-2.284	-2.675	-1.534	-2.327	-2.137	-1.91	-2.703	-2.6175	-3.008	-2.85	-2.33	-2.544	-0.354	-2.499	-2.579
RAD17	691218 || f	-0.464	-0.237	-0.477	0.421	0.276	0.008	0.091	-0.023	0.11	-0.513	0.216	-0.909	0.168	-0.485	-0.158	0.167	-0.219	-0.446	-0.008	0.271	-0.582	-0.619	-0.308	-0.616	0.776	0.468	0.6	0.3005	0.439	-0.195	0.487
RAD51	692122 || f	-1.409	-1.084	-1.065	-2.419	-2.134	-1.5	0.343	0.012	-1.23	0.629	-1.847	-1.167	-1.614	-2.083	0.321	-2.761	-2.111	-0.193	-2.765	-3.108	-1.794	-1.743	-0.754	-2.6025	-2.184	-1.161	-2.421	-1.745	-3.066	-2.013	-1.148
RAD51AP	687081 || f	-0.077	-0.2225	2.544	-0.218	-0.693	-0.491	0.366	2.031	-0.3	1.475	-0.037	0.423	0.435	0.632	2.03	0.818	-0.287	0.658	-0.587	-0.799	-0.377	0.115	-0.9135	-0.534	-0.122	0.715	0	0.054	1.025	-0.014	-0.249
RAD52	693390 || f	-0.0075	0.3645	-1.472	-1.553	0.5215	1.179	-0.6835	-1.375	-0.43	-0.7325	-2.099	0.1365	-0.4765	0.1805	-1.433	0.0665	0.8515	-0.8275	-0.9245	0.3985	0.7415	0.0075	0.127	-1.838	-1.097	0.3795	1.029	-1.818	-2.056	0.0595	0.0315
RAD54L	690991 || f	-0.388	0.74	0.38	-0.62	0.209	-0.006	1.913	1.073	-0.57	1.025	-0.383	0.88	0.327	-0.734	0.782	-1.174	0.138	1.1	0.006	-1.206	0.765	1.237	0.457	-0.88	-0.626	0.418	-0.807	-0.0485	-1.186	-0.414	-0.637
RAMP	695334 || f	-1.61	-1.414	-1.34	-1.69	-2.214	-1.962	-1.25	-0.28	-1.19	-1.63	-2.405	-1.038	-1.597	-1.1936	-1.15	-1.63	-2.265	-0.658	-1.87	-2.043	-0.08	-1.06	-1.505	-1.9475	-1.65	-1.47	-1.46	-1.431	-2.56	-2.03	-1.25
RANBP1	696056 || f	-1.55	-1.204	-1.362	-1.896	-1.13	-1.298	-0.835	-1.39	-0.06	0.264	-2.144	-1.292	-2.048	-1.658	-1.049	-2.319	-1.893	-0.444	-1.176	-2.283	-1.205	-1.399	-0.236	-2.375	-2.308	-1.983	-2.152	-2.0875	-1.619	-2.242	-1.839
RARRES1	696860 || f	3.931	2.463	0.945	0.911	1.403	0.412	1.164	4.214	-0.07	1.441	1.279	2.105	1.922	4.517	5.798	1.209	1.619	1.426	1.723	0.786	1.86	6.376	2.941	0.6015	1.044	2.232	1.904	0.841	0.965	0.884	4.268
RBBP7	695677 || f	-0.376	-0.783	-0.635	-0.691	-0.455	-0.469	-0.387	-0.453	0.02	0.067	-0.379	-1.211	-0.159	-1.226	-0.514	-0.66	-0.194	-0.478	-0.393	-0.133	-0.847	-0.37	-1.2115	-0.859	1.284	0.136	-0.422	0.5245	-0.131	-0.65	-1.109
RBBP8	690089 || f	-0.086	0.343	-0.164	0.348	-0.585	-0.145	-1.033	-0.331	1.35	1.389	0.485	-1.16	0.903	-0.171	-0.391	-0.482	0.206	-0.93	0.434	0.512	-0.412	-0.845	-1.288	-1.233	0.086	1.31	0.467	0.4045	0.477	-0.781	0.629
RBM8A	681239 || f	-0.3105	-0.0745	0.3765	-0.1765	-0.9445	-0.4575	0.9495	0.0305	0.31	0.5535	-0.9035	0.4265	0.6225	-0.8195	0.6705	-0.6735	-0.2595	0.3925	-0.1575	-0.0305	-0.1165	0.2505	0.096	0.233	-0.1585	-0.0385	0.0655	-0.2085	-0.3915	0.2325	0.0405
RBX1	685240 || f	0.015	0.369	-0.777	-0.176	0.034	0.498	0.675	0.741	-0.04	0.904	0.07	0.08	0.594	0.095	0.181	-0.957	-0.125	0.146	-0.038	0.097	-0.073	-0.217	0.044	-0.46	-0.449	0.162	-0.056	-0.1545	-0.057	-0.389	-0.015
RDHE2	695028 || f	0.68	-0.109	1.61	0.968	0.235	-0.174	1.021	1.226	0.31	1.206	-0.187	1.553	0.201	0.295	0.666	1.781	0.338	0.695	0.702	0.588	1.157	1.202	1.027	0.6405	0.799	0.407	0.704	0.348	0.417	1.181	1.661
REA	691904 || f	-0.023	0.15	2.024	-0.101	0.04	-0.054	-0.006	0.234	-0.04	0.757	-0.053	-0.268	0.465	0.724	1.315	0.366	-0.008	0.171	-0.048	-0.009	0.006	-0.28	-0.421	-0.2705	0.327	0.531	-0.012	0.811	0.371	0.222	-0.333
REC14	685901 || f	0.0005	0.5375	0.0595	0.1775	-0.3485	0.3085	-0.6255	-0.6395	0.39	0.4635	0.4745	-0.8425	-0.1365	0.0945	-0.4075	-0.7385	0.3455	-0.3835	0.2555	0.3165	-0.7215	-0.4405	-0.147	-0.0005	-0.1185	0.0435	-0.2215	-0.6055	0.5695	-0.3735	0.1665
REG1A	695186 || f	0.479	-0.607	-0.002	0.18	-0.508	0.047	1.236	0.375	0.08	0.263	0.135	0.266	0.326	0.171	2.388	0.164	0.168	0.361	0.296	-0.068	0.114	0.297	0.395	0.242	0.21	0.209	0.257	0.157	0.161	-0.04	0.24
RELB	684812 || f	-0.021	-0.623	1.924	-0.485	1.138	0.163	0.793	1.662	-0.32	-0.72	0.076	-0.167	-0.706	-0.906	1.501	-0.058	0.182	-0.174	-0.437	-0.19	0.396	-0.132	1.278	0.452	0.021	0.675	0.148	0.1445	-0.152	-0.307	0.394
REPIN1	683066 || f	-0.4075	0.3965	-0.2905	0.4605	0.3045	0.5105	0.3105	-0.5725	0.01	-1.657	0.4535	-0.4035	-0.1745	0.1855	-0.4345	-0.0665	0.1965	-0.4285	0.1265	-0.0015	-0.4355	-0.5895	-0.7705	-0.453	0.0585	0.6545	0.0565	0.2225	0.0015	0.2565	0.0935
REPS2	687793 || f	0.5422	-0.2178	2.

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
RPA3	684912	0.119	-0.497	0	-0.02	0.01	0.087	0.417	0.0917	-0.63	0.053	-0.108	0.32	0.023	-0.087	-0.049	-0.767	-0.032	0.024	4.783	0.07	0.202	0.047	-0.2505	0.231	-0.664	-0.677	-0.055	-0.2825	2.535	-0.106	-0.205
RPESP	690228	-1.337	0.1057	1.524	0	3.465	-0.518	-1.286	-0.909	2.89	-1.612	-0.311	-0.461	-1.065	4.244	-0.763	0.456	-0.377	1.743	-0.928	0.419	-1.572	-0.623	0.5485	-0.1195	-0.475	0.171	1.685	0.0575	0.108	0.57	0.406
RPL11	684149	1.035	0.337	0.42	0.424	0.379	0.667	0.609	0.127	0.56	0.285	0.856	0.788	0.137	0.144	1.298	0.3	0.684	0.455	0.834	0.726	0.442	0.407	0.583	0.338	0.415	0.301	0.309	0.4875	0.358	0.072	0.479
RPL13	690460	-0.3855	-0.0545	0.7695	-0.4025	0.2715	0.1305	-0.0735	0.4495	0.76	0.4475	-0.2605	0.2845	-0.4925	0.2335	0.3065	0.9885	0.1765	-0.0095	0.7695	0.0095	0.6975	-0.6235	-0.1695	-0.8565	-0.3685	-0.2335	-0.1805	-0.6755	0.8485	-0.0445	-0.2085
RPL13A	697951	-0.695	-0.465	1.329	0.38	-0.12	-0.104	-0.401	-0.286	0.14	-0.096	-0.02	-1.208	1.61	0.255	-0.331	-0.118	0.718	-0.77	0.615	0.075	0.367	-0.541	-0.365	-0.5125	-0.266	-0.17	-0.491	0.2745	0.161	0.147	-0.154
RPL15	682985	0.4203	0.5413	0.2203	-0.4397	-0.4147	-0.0458	1.81	1.31	0.85	0.9703	-0.0007	0.9493	0.2593	0.5443	0.8503	-0.5097	0.1333	1.159	-0.1597	-0.4857	-0.0398	0.4203	-0.1027	0.0008	-0.1597	0.3803	-0.4397	-0.0813	-0.6397	-0.3307	0.1503
RPL18A	683895	0.3535	-0.7485	1.063	0.3045	-0.0195	-0.2205	-0.1645	-0.4535	-0.13	0.8535	-0.0825	-1.019	0.0565	0.9205	0.4045	0.8285	-0.1265	0.2935	0.3505	-0.4935	0.5145	-0.3775	-0.3485	-1.102	-0.2015	-0.5625	-0.1775	0.409	0.0195	0.1915	-0.1125
RPL19	688555	0.422	-0.421	-0.382	0.006	0.7	-0.382	-0.465	0.422	0.14	-0.584	-0.052	0.192	-0.257	-0.447	0.063	-0.449	-0.64	-0.121	0.029	0.015	0.218	-0.881	2.148	0.519	-0.123	-0.621	0.346	0.023	0.172	-0.284	1.82
RPL21	692099	0.0895	-1.342	0.6665	0.2065	-0.9965	-0.0065	1.025	0.5985	0.44	0.2215	-0.1945	-0.3975	0.1125	-0.1305	0.7445	-0.4005	-0.6085	1.234	-0.2065	-0.1635	0.0065	1.2	-0.888	-0.8215	0.4035	-0.2875	0.0995	0.112	-0.7245	0.1265	-0.1115
RPL23A	681568	-0.578	-0.495	0.986	0.017	0.195	-0.432	-0.525	1.05	0.23	0.032	-0.035	-0.477	-0.381	0.056	-0.017	0.251	0.697	-0.627	0.194	-0.166	0.657	-0.938	-0.2225	-0.503	0.222	-0.224	0.904	0.0405	0.255	-0.154	-0.238
RPL23A	692544	-0.354	-0.273	-0.921	-0.468	-0.548	-0.369	-0.201	0.235	0.25	-0.508	-0.36	-0.503	-1.006	0.272	-0.059	-0.779	-0.377	0.086	-0.627	-0.338	-0.493	0.014	-0.409	-0.166	-0.512	-0.525	-0.826	-0.2135	-0.631	-0.807	-0.892
RPL26L1	685938	-0.044	-0.195	0.474	-0.359	-0.254	-0.174	1.314	0.878	0.45	1.603	-0.779	0.294	0.542	0.416	1.056	-0.519	-0.214	1.196	0	-0.257	0.495	0.146	-0.5225	-0.5045	0.5	0.438	-0.077	-1.158	0	0.016	0.041
RPL29	690810	-0.272	0.412	0.666	0.27	1.005	-0.043	-0.758	-0.386	0.29	0.596	-0.419	-0.61	-0.435	0.495	-0.445	0.614	0.338	-0.304	0.242	-0.041	0.598	-0.336	-0.468	-0.2905	-0.054	-0.605	0.28	0.8345	0.492	-0.044	0.041
RPL36	687324	-0.021	-1.157	0.968	0.303	0.687	-0.277	-0.168	-0.557	0.3	-0.432	0.007	-0.462	-0.359	0.245	0.005	-0.404	-0.475	0.024	0.343	0.034	0.578	-0.493	0.1175	0.7685	-0.831	-0.821	-0.005	0.259	0.129	-0.056	-0.245
RPL36AL	693407	0.07	0.61	-3.914	-0.528	-4.797	-1.496	-4.564	-3.785	0.09	-3.546	0.317	-3.929	0.643	-3.825	-1.758	-3.028	1.096	-0.169	-3.159	-3.871	-3.749	-3.81	-3.647	-2.6825	-1.544	-2.462	1.985	-3.089	-3.563	-1.577	-0.801
RPS16	687942	-0.6585	0.0245	1.647	0.2295	-0.4415	-0.4365	0.1185	0.4505	-0.09	0.3665	-0.6145	-1.314	0.0175	0.5765	-0.1425	-0.0745	-0.5235	-0.8975	-0.1105	-0.4765	0.4105	-0.1125	1.196	-1.196	-0.2325	0.2715	0.2905	0.1335	-0.0175	-0.2755	0.2705
RPS4Y1	683806	0.318	0	1.062	-0.393	-0.277	-0.636	0.117	-0.119	0.48	1.173	-0.211	-0.343	0.055	-0.212	0.827	-0.968	0.719	0.213	-0.467	-0.477	-0.34	0.128	-0.0685	0.0115	-0.442	0.429	0.009	0.5315	-0.377	0.028	-0.455
RRAGA	688744	-0.797	-0.018	-0.758	0.228	0.373	0.341	-0.119	-0.436	0.41	-0.03	0.609	-0.231	-0.366	0.019	0.255	0.216	0.29	-0.579	0.57	0.25	-0.461	-0.692	-0.1615	-0.3375	0.223	-0.077	-0.221	-0.0475	0.741	0.016	0.219
RRAGD	691801	0.6827	-1.098	2.148	0.1787	-0.1353	-0.3183	-0.1283	1.774	-0.81	0.0788	-0.2743	0.5957	0.6057	-0.2653	0.3907	0.1837	-0.7903	0.1387	-0.3323	-0.6833	-0.1523	1.75	0.3602	0.3347	-0.2463	0.3667	0.3977	-0.0788	-0.3513	-0.3823	0.0928
RRM1	684258	0.1005	-0.1195	0.6305	0.2015	-0.0305	0.2205	0.1315	0.6475	0.02	0.6355	0.4045	-0.4015	-0.5015	0.2305	0.6145	-0.4575	0.4515	0.9905	0.1585	0.1625	-0.3575	-0.9885	-0.2695	-0.702	-0.1225	0.0305	0.1665	-0.114	-0.3515	-0.4485	-0.1575
RRM2	694262	-0.758	-1.513	-1.914	-3.078	-1.924	-4.008	-1.355	-1.322	-1.15	0.52	-2.216	-3.059	-1.729	-2.333	-1.767	-4.534	-2.777	-1.292	-3.358	-3.758	-2.752	-1.934	-1.6445	-2.726	-3.309	-1.915	-3.594	-3.087	-3.954	-3.384	-2.108
RSAFD1	687475	-0.3945	-0.3015	0.4665	0.2375	0.0485	1.402	-0.3725	0.0325	0.27	-0.1245	-0.6825	-0.8295	0.1095	-0.1725	-0.3265	0.8625	-0.1825	-0.1345	-0.0745	0.1025	0.2045	-0.1975	-0.4385	-0.436	0.0105	0.3645	0.3935	0.351	-0.1195	-0.0105	0.0505
RSNL2	692893	-0.844	-1.451	-0.282	-1.773	-0.745	-0.635	-0.352	-0.003	0.84	-2.078	0.535	-0.3	0.435	-1.079	1.874	1.468	0.513	-1.74	0.293	-0.03	-0.572	-0.583	-1.699	-1.519	-0.374	0.12	0.536	-1.3835	-1.463	-0.602	0.083
RSU1	682633	-0.0025	0.2105	0.3425	-0.6875	-0.6765	-0.3785	1.041	1.171	-0.23	-0.1975	0.2325	0.4285	0.8035	-0.1075	0.8445	0.2425	0.0215	0.0945	-0.8215	-0.5775	0.4825	1.018	0.336	-0.3915	-0.7165	0.7115	-0.2025	-0.2985	-0.3535	-0.2455	0.0025
RTN4IP1	696006	-1.125	-0.71	-1.142	-0.692	-0.875	-0.971	-1.003	-0.105	-0.46	-0.183	-0.864	-0.298	-0.327	-1.251	-0.013	-0.92	-0.831	-0.297	-1.363	-1.413	-0.94	0.033	0.116	-1.4895	-1.478	-0.865	-1.199	-1.6085	-0.284	-1.34	-0.198
S100A11	688967	-0.043	0.206	-0.439	-0.559	-1.212	-0.173	0.227	-0.104	-0.11	0.009	-0.212	0.751	0.343	0.356	0.272	-0.003	0.003	0.281	-0.719	-0.088	0.216	1.175	0.704	-0.4455	-1.249	-0.04	0.078	0.2385	-1.103	0.152	0.467
S100A14	689448	1.787	0.7805	1.313	-0.7455	0.0765	0.8185	-1.195	-0.0765	-0.16	-3.893	-0.1916	-0.4735	2.072	0.9225	0.6795	-2.183	-0.3325	1.092	0.4335	0.6415	1.622	-1.356	-0.636	-2.074	-0.1185	0.8545	1.325	-3.23	-0.1695	-0.2895	0.6775
S100A16	682683	1.547	1.001	-0.246	-1.06	0.02	-0.649	-1.683	-1.584	0.21	-1.815	0.238	-0.317	1.662	0.44	0.849	0.122	0.265	0.71	-0.61	-0.119	1.11	-0.745	-0.5295	-0.5535	-0.401	1.255	0.841	-1.326	0.268	-0.049	0.523
S100A9	681875	-1.751	-0.1485	-1.949	-2.16	0.192	-1.265	0.577	-0.537	0.2	-2.267	0.872	0.032	-0.413	0.822	0.731	-0.122	-0.358	1.597	0.099	-1.347	1.039	1.946	1.154	-1.628	0.158	0.247	-1.24	-1.958	-0.645	0.306	1.046
SAE1	695822	-1.344	-0.221	-0.792	-0.762	-0.787	-0.51	-0.112	-0.738	-0.13	-0.083	-0.752	-1.722	-1.196	-1.183	-0.503	-0.782	-0.386	-0.314	-0.923	-1.055	-1.02	-0.983	-0.0965	-1.393	-1.118	-0.314	-1.365	-0.901	-0.935	-0.721	-0.804
SALL2	696484	-1.648	-0.187	-0.715	-0.043	-1.453	-0.128	-1.134	-1.93	1.19	-1.177	-0.337	-0.714	0.572	-1.36	-1.327	-0.371	-0.214	-1.203	-0.463	0.464	0.271	-1.025	-0.922	0.8865	-0.329	-0.884	1.087	0.9135	0.072	0.348	-0.844
SARA1	690066	0.364	0.156	-0.005	-0.357	-0.329	0	-0.057	1.369	-0.54	0.935	0.107	0.058	-0.32	-0.375	-0.06	-0.092	0.435	0.874	0	-0.232	0.447	0.594	0.485	0.2495	-0.026	0.318	-0.395	-0.4215	-0.302	0.023	-0.131
SARA2	688945	0.144	0.632	-0.699	0.091	0.182	0.068	-0.519	-0.348	-0.51	0.303	0.537	-0.505	0.081	-0.127	0.177	-0.176	-0.058	0.134	0.058	0.116	-0.464	-0.637	-0.5915	0.8635	-0.25	0.2	-0.322	-0.3685	-0.137	-1.09	0.567
SAS	697574	2.364	-1.065	-1.765	-0.934	0.236	-1.989	0.651	-2.133	0.54	-1.703	0.32	0.873	0.43	0.587	1.652	-1.735	-0.422	-0.463	2.012	1.254	-0.097	0.226	1.315	-0.3085	1.66	1.075	-0.4	-1.617	-1.524	-0.181	0.097
SCIN	698329	1.468	1.0052	0.332	0.995	0.341	2.402	1.044	-0.055	-0.69	0.54	1.357	1.02	0.286	0.716	0.65	-0.036	0.748	1.148	0.693	0.844	2.26	0.868	0.574	0.9715	-0.013	2.66	0.664	1.0155	1.563	0.362	0.705
SCML1	683929	0.4585	-0.2995	-0.6135	-1.262	2.061	1.104	-0.3255	-1.367	0.38	-0.7785	0.7995	-1.384	-0.8075	-1.402	0.9905	0.9705	0.5515	-1.38	1.058	-0.4645	-0.2415	0.5715	0.144	-0.0545	1.662	0.9455	0.1615	1.707	-0.9315	-0.1375	0.0545
SCPEP1	689318	0.0718	-0.8382	0.1308	-0.7552	-0.6022	-0.0763	-0.0253	1.678	1.07	-0.9152	0.2508	1.703	-0.6332	0.3658	0.6858	0.8218	0.0938	0.7788	-0.6312	0.0808	-0.5232	1.332	0.3503	-1.347	-0.6052	-0.1232	-0.1552	-0.0008	-1.01	-0.6732	0.5888
SCRIB	687588	-0.1103	1.02	0.4267	0.0548	0.0128	0.7667	1.336	1.233	-0.23	-0.5613	-0.3343	1.324	-0.0993	-1.116	-0.1373	0.4937	0.6047	-0.2293	-0.3563	-0.3593	-0.4323	0.1047	0.6042	-0.0128	-0.0913	0.0188	0.4547	0.2297	-0.3413	-0.2413	0.3747
SDC1	681259	1.56	1.103	-0.5535	0.3235	-0.9955	0.7675	0.9165	-0.0985	0.01	-1.111	-0.0945	1.088	-0.1805	1.037	-0.3715	-1.838	0.2385	0.7375	-1.464	-1.165	0.5805	0.2925	1.95	-1.29	-2.033	0.0945	0.2365	-0.329	-1.277	1.274	1.293
SDC3	693165	1.442	-1.521	0.238	-0.024	-1.087	1.14	0.732	0.081	0.93	0.234	1.412	1.54	1.2	-0.221	0.54	0.382	1.427	1.063	1.535	0.398	-0.685	1.046	1.535	1.9885	0.494	0.462	1.245	-0.0195	0.748	0.639	0.655
SDCCAG8	690950	0.059	0.04	0.674	-0.01	2.689	-0.746	0.132	0.895	0.15	-0.77	-0.597	0.652	0.241	-0.223	0.354	-0.58	-1.253	-0.654	3.036	0.203	-0.461	-0.176	0.257	-0.546	-0.7	-0.625	0.812	-0.492	-0.179	0.017	0.01
SEC61G	693650	-0.298	-0.978	-1.537	-1.002	-0.341	-1.528	-0.592	-1.138	-0.78	0.511	-1.123	-1.199	0.27	-0.702	-0.324	-0.644	-0.994	-0.521	-0.519	-1	-0.393	-0.315	-0.596	-1.756	-0.507	0.351	-1.054	-0.7185	-0.707	-0.682	-0.615
SECP43	694767	0.324	0.208	-0.734	-0.294	-0.267	0.29	0.598	-0.308	0.04	-0.626	-0.303	0.621	0.462	-0.844	0.05	-0.732	0.037	0.718	-0.901	-0.368	-0.312	-0.114	0.963	0.093	-0.263	-0.172	-0.309	-0.7915	-0.738	-0.572	-0.263
SEDLP	693304	-0.024	-0.053	0.424	0.943	-0.172	-1.013	-0.321	0.281	-0.07	0.707	-0.07	-1.019	-0.816	0.198	-0.321	-0.499	-0.388	-0.827	-0.692	0.02	-0.144	-0.321	0.2755	0.6265	0.925	0.871	0.337	0.2565	0.373	-0.554	0.743
SEMA3B	698622	-1.244	-1.236	-1.507	-0.277	-0.794	0.497	-0.68	-2.055	1.39	-2.146	-0.046	-1.671	1.37	-0.278	-2.442	-0.828	0.412	-1.215	0.465	-0.081	-0.704	-0.164	-1.271	2.1895	-0.78	0.107	1.732	-0.4205	1.633	0.936	-1.306
SEMA3C	691613	0.8405	1.047	-3.177	0.9065	1.582	1.416	-1.843	-2.957	1.87	-2.605	0.9655	-2.627	-0.6545	-0.6475	-1.387	-1.5	0.7335	0.3805	1.851	0.7245	-0.0355	-1.885	-1.264	0.4455	1.036	0.7395	-0.0435	0.61	1.233	-1.1525	-0.2305
SEPW1	683289	-0.896	0.35	0.54	0.499	-0.17	0.372	0.579	-0.014	-0.39	-0.308	0.447	-0.146	0.547	-0.434	-0.135	-0.425	0.296	-0.49	-0.074	0.257	0.04	0.407	0.9	0.0555	-0.302	-0.1	-0.008	0.15	-0.554	-0.178	-0.299
SERP1	690913	0.0363	0.0073	-0.3207	0.5823	1.188	-0.7687	-1.286	0.0063	-0.29	-0.7557	-0.2087	-1.267	-1.554	0.5833	1.136	-0.1627	-0.2027	-0.4747	0.0933	0.0293	-0.6987	-0.4707	-0.0063	0.4202	1.149	0.1713	0.4243	0.7278	0.4613	-0.8057	0.2113
SERPINA	692607	-1.627	-0.911	-2.651	-1.658	-1.982	0.536	-2.486	-2.367	0.59	-2.305	-0.244	-1.212	-0.513	-2.179	-2.87	-1.499	1.459	-2.13	-1.219	1.049	-1.614	0.474	-2.146	-1.129	0.077	-0.699	-0.088	-0.882	-2.187	0.041	-1.215
SERPINB	683845	1.293	-0.1835	1.858	-0.1985	0.2105	0.0165	1.453	1.215	0.79	-0.7535	3.435	2.083	1.274	0.1025	1.959	-0.0165	-1.068	1.439	-0.1275	-0.2735	-0.9315	0.2535	-0.6935	0.059	-0.1285	0.1775	-0.4705	-0.1565	-0.4785	-0.0325	-0.1065
SFRP1	690138	-1.172	-0.601	2.765	0.115	-0.42	-0.616	0.014	3.29	2.9	2.569	-0.209	5.578	-0.525	-0.254	1.833	3.03	0.194	-0.254	1.65	-0.731	-0.157	2.85	-0.56	-0.014	0.611	-0.656	-0.396	-0.499	0.163	0.121	2.74
SFRS6	689301	0.3545	0.2365	0.0465	0.2425	0.0775	-0.0735	-0.7005	-0.7535	-0.71	1.001	1.136	-0.5155	-0.3725	0.1135	-0.8015	0.0235	0.2855	-0.4105	-0.2925	0.5435	0.0615	0.3935	-0.4175	0.31	0.3665	-0.0235	-0.0325	-0.111	-0.0335	-0.1645	-0.0905
SGCD	694761	-0.54	0.106	-1.263	0.053	0.835	-0.417	-1.587	-0.424	-0.27	-0.363	0.576	-0.466	0.384	-0.576	-1.047	0.417	0.632	-0.385	1.728	-0.371	-0.761	-0.647	0.554	-0.101	-0.943	0.634	-0.231	0.0905	0.054	0.453	-0.584
SGCE	685105	-0.645	0.423	1.175	-1.105	-0.743	-0.173	0.135	1.675	1.61	0.225	-0.059	0.109	-0.482	-0.401	0.742	0.125	-0.571	0.727	0.145	-0.267	0.014	0.545	-0.3585	-1.234	-0.014	0.093	-0.265	-0.1865	-0.817	-0.684	0.196
SH3BGRL	694455	0.541	0.633	0.821	3.353	-0.201	1.381	-0.736	0.625	0.77	-1.556	1.748	-0.634	2.064	0.771	0.688	0.635	2.187	-0.143	0.131	1.899	-0.343	-0.881	-1.1965	-0.037	2.126	2.111	2.096	2.123	1.298	-0.037	0.667
SHFM1	683462	0.0705	0.1785	1.18	-0.0525	0.0135	-0.1465	1.57	1.545	-0.34	0.5115	-0.3895	0.3835	0.0745	-0.1625	0.3745	-1.079	-0.2225	0.3965	-0.2675	0.0805	0.0655	-0.0885	0.122	-0.4975	-0.6485	0.5085	-0.0485	0.4685	-0.4465	-0.0135	-0.3395
SIAT7B	695595	0.474	0.648	-1.386	-0.085	-0.891	-0.23	0.107	-0.456	0.95	-0.674	0.561	-0.336	1.478	-1.29	-1.192	-0.293	-1.188	-0.148	-0.029	-0.963	-0.796	0.732	-1.9165	0.493	1.75	-0.933	0.449	0.7785	-1.118	0.697	-0.554
SIGLEC12	690532	0.9615	0.3165	0.6715	0.0615	0.5665	-0.1595	-0.0035	-0.0995	0	-0.2385	-0.0505	0.1095	-0.1665	0.0035	0.3385	-0.0315	-0.0545	-0.0595	-0.1235	-0.0695	0.6705	0.2415	0.656	0.939	-0.4175	-0.2975	0.2235	0.284	-0.0315	-0.4165	0.0185
SIT	692124	1.221	-0.336	-1.362	-0.306	0.673	-0.132	1.406	-0.946	-0.26	-1.108	0.477	-0.163	0.034	-0.334	1.191	1.244	0.292	0.692	0.736	0.2	1.132	0.453	1.367	0.499	0.462	-0.358	-0.907	-0.1995	-0.462	-0.399	0.883
SITPEC	681337	-0.0235	-0.3815	-0.1555	0.6555	0.1025	0.2105	-0.3265	-0.6555	0.09	0.1475	-0.0945	-0.6465	-0.5895	-0.5095	-0.8945	0.3725	0.1085	0.2365	0.3395	0.0235	0.5895	-0.1425	0.938	0.1165	-1.091	-0.8955	-0.0655	0.92	0.6835	-0.0595	-0.4145
SKP1A	684965	-0.764	-0.829	-0.799	-0.005	-0.964	0.104	-0.849	-1.075	0.09	0.23	-0.108	-1.407	0.779	0.005	0.268	-0.612	-0.101	-0.56	0.685	0.382	-0.689	-0.681	-1.029	-0.655	0.805	0.803	0.354	0.119	0.775	0.1	0.147
SLC12A9	696704	0.353	0.21	0.531	0.672	0.845	0.674	1.188	0.672	0	0.281	0.384	0.509	0.166	0.423	0.093	0.764	0.683	0.225	0.747	0.514	0.791	0.073	0.49	0.1825	0.546	0.602	0.702	0.9385	0.473	0.852	0.25
SLC13A3	689746	0.5155	-0.6385	1.707	-1.379	-0.3225	0.2415	0.0935	0.3255	-0.16	1.579	-1.039	2.061	-0.9745	0.3765	0.7935	-0.2875	-0.0615	-0.6555	-0.1865	-0.7335	0.7385	1.026	0.7035	0.093	0.9515	-0.2735	-1.166	-1.139	-0.7805	-0.2765	0.0615
SLC16A6	687056	-0.0835	-0.8115	-1.98	2.134	1.964	1.646	-1.324	-1.763	1.48	0.4175	0.5865	-2.304	-0.3345	-1.072	-1.501	-0.0285	0.7725	-1.199	-0.1135	0.1435	-0.3695	-0.6765	-0.961	0.61	2.965	0.0535	3.511	0.056	0.0285	0.0805	1.934
SLC19A2	693146	-0.932	1.729	0.36	0.834	0.277	-0.446	-1.218	0.11	0.5	-1.398	1.311	-0.13	0.19	-0.956	-0.789	-0.727	-0.154	-2.035	-0.402	1.457	-0.867	-1.4	-1.2115	1.9825	0.882	0.804	2.102	1.518	-0.439	1.428	0.571
SLC1A1	692391	0.889	0.618	1.217	0.552	1.182	-0.119	1.038	0.533	3.29	1.802	0.887	0.764	0.906	0.558	-0.17	0.369	0.046	0.698	-0.118	0.5	0.557	0.32	1.8985	1.042	-0.146	0.531	0.527	0.432	0.782	0.254	0.859
SLC1A2	690726	-0.9725	1.233	0.3015	2.282	1.081	1.712	-1.669	2.009	-0.41	-1.592	1.658	-0.3585	0.3365	-0.6735	-1.396	-0.2875	0.3885	-0.0055	0.0805	0.9495	0.0055	-0.9025	-1.679	-0.603	0.8365	-0.3925	0.8825	-0.3965	5.283	-0.1795	-0.4765
SLC24A3	689570	-0.5655	-0.0265	0.7215	-2.329	-2.29	-0.8075	-0.3035	-0.4865	0.05	-1.825	0.9115	-0.2575	-0.8735	0.0265	0.9865	0.3175	2.498	-1.445	-1.484	-0.8395	0.5385	1.264	0.589	-0.4255	-1.8	1.602	1.662	1.511	-1.31	1.223	0.6215
SLC25A2	692129	1.193	0.146	0.91	0.131	-0.034	0.477	-0.346	-0.428	0.01	-0.496	0.229	-0.423	0.662	0.763	-0.602	0.19	-0.271	0.712	0.6	0.99	1.585	0.426	0.456	0.725	0.599	0.405	0.602	0.5565	-0.209	1.502	-0.047
SLC25A4	684980	-0.9085	0.7055	-0.4965	0.9845	0.9845	-0.4375	0.4675	0.1795	0.05	-0.1805	0.3775	-0.1165	0.0145	-1.118	-0.0145	-0.3145	0.1645	0.5085	0.9445	-0.2735	-1.056	-0.1205	-0.481	0.25	1.25	-0.1295	-0.2505	-2.792	0.9725	-0.4995	0.3985
SLC25A5	681570	0.024	0.321	1.174	-0.374	-0.71	-0.403	0.563	1.199	-0.29	0.255	-0.266	-1.08	0.144	1.026	0.768	-0.162	-0.024	0.759	-0.042	-0.76	-0.026	-0.177	-0.8325	-1.478	0.083	0.612	0.188	0.278	-0.194	-0.067	0.679
SLC27A2	686938	0.2693	-0.2677	-1.345	-1.045	4.006	2.719	-1.052	-1.38	1.29	-1.8	1.892	-1.487	1.202	-0.5087	-0.2567	-0.8787	0.0343	0.3593	3.513	0.6073	-0.1027	-1.122	-0.8377	0.6968	1.405	-0.8227	2.064	-0.0343	5.006	-1.203	0.4353
SLC27A5	692266	-1.421	-0.614	-0.206	-1.197	0.181	-0.927	-0.081	0.029	0.05	-1.788	-1.67	-1.289	-0.325	0.073	-0.768	-1.107	-0.427	-0.687	-1.183	-0.734	-0.261	-0.615	-0.5425	-0.5215	-1.244	-0.148	0.098	0.7765	0.489	-0.923	-0.547
SLC30A8	695934	0.1556	1.139	0.971	2.881	2.126	0.313	-0.084	-0.029	0.07	-0.058	0.11	0.606	0.092	0.27	-0.259	0.011	-0.117	0.264	3.102	0.533	-0.063	-0.077	-0.1435	-0.069	0.41	0.285	-0.301	-0.107	0.081	0.258	-0.041
SLC39A4	684775	-0.722	0.43	-0.426	-0.75	0.326	0.27	1.234

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
SNPH	684407	2.091	-0.6652	0.1028	0.7698	0.4908	-0.2252	0.0448	-0.0613	-0.07	-0.3902	-0.0493	-0.0353	-0.2052	-0.2372	-0.3822	0.2778	-0.0123	-0.2082	0.7499	0.1628	0.6428	0.3058	-0.0543	1.131	0.9268	0.8578	-0.0023	0.0023	0.5818	-0.1612	0.2988
SNRPB2	696839	-1.303	0.149	-0.107	-1.291	-1.083	-1.042	-0.172	-0.513	-0.29	0.426	-1.072	-0.562	-0.531	-0.755	-0.495	-1.05	-0.344	-1.279	-0.988	-1.304	-0.656	-0.218	-0.946	-1.319	-0.589	-0.217	-0.657	-0.368	-1.076	-0.567	-0.564
SNRPD1	695576	-1.632	-1.906	0.041	-2.01	-1.445	-1.467	-0.214	0.083	-0.13	0.005	-2.262	-0.957	-1.224	-1.252	-0.515	-1.959	-1.547	-0.887	-1.163	-1.763	-0.94	-0.398	-0.9435	-1.4615	-1.81	-1.386	-1.353	-0.896	-1.365	-1.216	-1.493
SNRPD3	692082	0.4215	0.0955	-0.2545	-0.0095	0.0365	-0.1365	0.2975	0.2565	-0.15	0.6845	-0.0645	0.1655	-0.3545	-0.0725	0.2825	-0.8965	-0.5555	1.201	0.1705	0.0095	-0.2235	0.1225	-0.095	-0.2385	0.0345	0.3195	-0.0565	-0.5095	-0.1995	-0.7185	0.3415
SNRPG	684507	-0.001	-0.286	0.725	-0.238	-0.68	-0.295	0.161	1.027	-0.26	0.708	-0.503	0.463	0.13	-0.155	0.404	-0.952	-0.34	0.867	-0.508	0.093	-0.255	0.432	0.0635	0.0395	0.131	0.698	-0.003	-0.726	-0.442	-0.277	0.279
SNX7	685968	-1.289	-0.0245	-0.5705	-0.4295	0.4865	-0.4615	0.8235	1.276	0.62	-0.7685	0.0855	-0.4525	-1.444	-1.671	0.8145	0.7175	0.0465	0.2505	-0.2105	-0.7775	-0.6105	0.1505	0.1345	-0.857	0.3525	0.6465	0.2255	-0.3565	0.0245	-0.1905	-0.5325
SOD2	684100	1.273	-1.085	0.1563	-0.6177	0.3783	-0.3797	-0.5267	3.133	-0.84	1.09	0.4003	1.377	0.7443	0.6523	1.881	-1.135	-0.6397	1.002	0.0053	0.4643	-0.1687	1.734	-0.0053	-1.638	-0.0978	-0.0198	-0.1617	-1.393	-0.5777	-1.246	1.15
SORCS1	690320	-0.3215	0.2215	-0.3555	0.7895	-1.142	-0.3395	-0.2555	-0.0255	0.36	-0.7135	0.7465	0.0695	0.4395	-0.0285	0.1235	0.3705	0.4475	0.0255	0.1115	-0.0505	-0.5305	-0.5165	-0.561	0.2655	-0.8815	-0.4195	0.5525	0.981	-0.0975	0.5965	-0.1925
SOX4	686301	-0.0815	1.005	0.2225	-0.2455	-1.799	0.7005	-0.3595	-0.0005	-0.2	-1.026	-0.2305	0.5325	0.3615	-0.5885	-0.4725	-0.5885	0.0665	0.5645	-0.6715	-0.1065	1.282	1.419	1.768	1.093	-0.3925	0.8675	0.0005	0.2905	-0.3745	1.347	-0.5195
SOX9	681418	1.355	1.846	2.21	1.248	1.149	0.571	0.037	0.336	0.49	2.587	1.136	0.651	-0.152	0.242	0.552	-0.624	-0.005	0.476	0.686	1.572	0.387	0.386	0.083	0.0865	1.516	0.077	1.092	0.767	0.024	0.729	0.367
SPAG16	687462	0.8158	2.1	0.9868	-0.7202	-0.3052	0.0468	0.4938	0.5408	0.26	-0.0363	-0.0903	-0.1042	0.4498	0.1588	0.5018	-0.8592	0.1978	0.7328	-0.2902	0.0128	1.021	0.9008	0.3478	-0.4772	-1.134	-0.0833	-0.0653	-0.0128	-0.6412	-0.0703	-0.1202
SPAG5	686120	0.7525	0.6155	1.334	-0.1415	-0.0375	-0.7725	1.621	2.169	-0.97	1.167	-0.3895	1.06	0.7835	0.0345	1.023	-1.389	0.6765	1.152	-0.6085	-0.6105	0.0685	0.5695	0.037	-0.747	-0.3415	-0.0345	-0.6295	-0.2705	-0.9175	0.1315	-0.3365
SPC18	695899	-1.381	-3.19	-1.213	-1.497	-2.878	-1.841	-1.486	-1.38	0.25	0.694	-1.852	-1.703	-0.65	-0.816	-1.069	-1.731	-1.098	-0.78	-1.48	-1.646	-1.701	-1.44	-2.175	-2.817	-1.81	-1.252	-1.218	-1.9775	-1.237	-1.234	-1.289
SPFH2	686593	0	0.3462	0.372	1.336	-0.18	1.381	-0.625	-0.589	-0.04	1.088	-0.087	0.796	0.461	-0.455	-0.709	-1.6	-0.013	-0.592	0.543	0.586	0.67	0.044	0.111	-0.202	-0.2	0.588	0.449	-0.157	0.852	0.268	-0.434
SPG3A	685052	-0.501	-0.043	-0.096	1.334	0.49	0.252	-0.737	-0.115	0.45	-1.122	0.821	-0.418	-0.181	-0.086	-0.275	-0.349	0.774	0.367	0.899	0.857	-0.57	0.043	-0.191	-0.2185	0.272	0.096	-0.271	0.5485	1.123	0.612	-0.22
SPPL3	684761	-0.1785	0.1175	-4.237	-0.3695	0.1155	0.7135	0.3165	0.7985	0.12	-0.1155	-0.0295	0.6885	-0.5425	-1.058	0.3455	-0.4465	0.3005	0.0125	0.1695	0.1955	-0.2255	0.0845	0.096	-0.441	0.0325	-0.3835	-0.3315	0.052	-0.3905	0.1165	-0.0885
SQLE	765400	-1.538	0.14	-0.481	-1.974	-1.54	-1.34	0.079	-0.189	-0.6	-0.488	-1.5	-0.35	-0.84	0.15	0.4	-2.217	-1.5	-0.52	-1.743	-2.06	0.458	-2.212	-1.3925	-2.8535	-1.82	-1.925	-2.071	-2.2235	-2.928	-2.27	0.227
SQRDL	693902	0.4455	0.1895	-0.7415	0.4205	0.7915	0.3405	-0.0665	0.2055	-0.15	-0.5655	-0.5915	-0.5405	-1.111	-0.4075	-0.4355	-0.8995	0.1085	0.3715	0.1545	0.6805	-0.0595	-0.1495	0.2085	0.2675	0.2895	0.1725	-0.0685	0.1285	-0.0315	-0.2645	0.0315
SREBF1	697880	1.373	1.997	-2.013	3.289	2.36	2.389	0.09	0.84	0.78	-0.776	1.425	-0.294	0.982	1.245	0.093	-0.051	0.972	1.06	2.221	1.86	0.897	0.515	0.6855	2.5175	2.147	1.285	1.319	-0.342	2.755	0.404	0.228
SRI	698971	0.184	0.551	0.18	-0.238	0.503	-0.587	1.275	4.243	0.34	0.29	-0.592	1.601	0.011	0.253	-0.109	-0.576	-0.669	-0.118	-0.435	-0.77	-0.011	2.125	0.4675	0.8865	-0.055	-0.162	-0.278	0.159	0.312	1.229	-0.42
SRPK1	697017	-1.091	-2.202	-0.142	-1.729	-0.593	-1.363	-0.77	0.422	-0.06	-1.093	-1.402	-0.408	-0.805	-0.188	0.124	-1.607	-2.113	-1.003	-1.337	-1.535	-1.344	-0.505	-1.876	-1.7	-1.137	-1.052	-1.436	-1.899	-1.507	-1.994	-1.156
SSFA2	692108	-0.3641	-0.61	-1.466	1.2	0.282	-0.478	-1.57	-1.153	0.4	-1.41	0.706	-1.281	-1.149	-0.504	-0.426	-0.261	-0.837	-1.445	-0.245	2.127	-1.384	-0.999	-2.075	-1.1545	-0.489	-0.98	-0.864	-1.5005	0.96	-0.877	-0.469
SSR4	686717	1.209	1.703	1.092	2.517	2.17	2.385	2.135	-0.219	-0.37	0.875	2.192	1.659	1.546	1.872	1.891	0.949	1.737	-0.457	1.912	1.674	1.132	1.87	2.056	2.0695	2.665	-0.56	2.616	1.7255	2.723	2.13	1.035
STARD3N	686038	0.184	-0.38	-0.202	0.527	0.139	-0.114	0.008	-0.605	-0.2	0.623	0.499	-0.811	0.671	0.36	0.476	-0.008	0.043	0.337	-0.283	-0.434	-0.714	-1.403	-0.607	-0.913	0.5	0.677	0.383	-0.0425	-0.048	-0.028	0.205
STARD7	681305	-0.4835	-0.0225	0.5145	-0.5745	-0.2065	-0.0215	0.4105	0.6885	-0.23	0.0215	-0.3045	-0.2005	-0.8275	-0.0505	0.3175	0.2655	0.2525	0.3085	0.4385	-0.1175	0.1735	-0.4065	-0.159	-0.8935	0.1725	0.2635	-0.2535	0.038	0.3455	0.1415	0.5445
STAT1	681492	-0.0425	0.3845	-0.3725	-1.139	1.567	-1.193	0.1205	-2.17	-0.79	-1.221	1.622	-0.7515	0.8105	0.8945	1.947	0.0785	0.9275	0.0425	0.7285	-0.6415	0.2385	-0.1675	-0.0615	-2.148	1.576	0.8465	-0.3075	-1.256	-0.4615	-0.5455	0.7575
STC2	689625	-0.7195	0.7165	-1.526	-0.9935	-0.5765	0.8595	-0.2245	0.4695	2.41	0.3545	1.389	-0.7265	-0.7285	0.1525	-0.1525	1.065	3.109	0.2735	2.306	2.91	-1.04	-0.2195	-0.764	1.696	2.185	-1.1	-1.015	1.748	-0.7605	1.205	-0.6795
STK24	688430	-0.3955	-0.5455	1.384	0.3335	0.0345	-0.0805	-0.8235	-0.9685	0.13	-1.291	0.6275	-1.703	-1.033	0.1225	0.9135	1.279	-0.0345	-1.033	0.9055	0.1285	0.2185	-1.642	-1.136	-0.7675	-0.0875	-0.7465	0.1185	0.626	0.8085	-0.3795	0.4785
STK6	685902	0.192	0.483	0.213	-0.677	-0.654	-0.69	0.795	1.085	-0.51	3.203	0.915	0.405	0.238	0.047	0.654	-0.399	0.075	0.709	-0.677	-0.612	-0.206	0.34	-0.123	-0.6765	-0.302	0.425	-0.636	-0.476	-0.69	0.133	-0.047
STMN1	682764	0.7995	0.0715	0.7505	-0.3695	-0.8905	-0.1605	2.013	1.359	-0.63	0.8825	-0.0395	1.347	1.583	-1.007	0.6755	-0.8595	0.5675	1.746	-0.6945	-0.2665	2.489	1.393	0.391	-1.017	0.0395	2.005	-0.2435	-0.04	-0.5135	-0.6495	-0.5555
STX1A	691816	0.88	-0.306	0.05	1.444	-0.185	0.162	0.077	0.349	0.08	-0.569	-0.505	-0.159	1.132	0.983	-0.48	-0.465	0.361	0.116	-0.605	-0.073	0.203	-0.228	0.5925	-0.108	-0.505	0.284	0.22	1.05	0.817	-0.344	-0.609
STX3A	691051	0.1595	0.2305	0.4955	-0.4395	-0.1905	0.3805	-0.5855	-0.1595	0.34	0.6485	-0.1575	-0.0555	-0.8055	0.1935	-0.0565	-0.8805	-0.0535	-0.2845	0.0045	0.3225	0.2625	0.3215	-0.032	0.403	0.0915	-0.2995	-0.0045	-0.8405	0.0265	-0.5315	0.2155
STYX	685620	0.689	-0.431	0.056	0.35	-0.35	-1.034	-0.023	0.78	-0.72	2.551	-0.532	-0.573	0.744	1.48	0.386	0.439	-0.369	-0.12	-0.317	-0.207	0.053	-0.358	-0.488	-0.179	0.506	0.768	0.831	-0.1555	-0.366	0.18	0.279
SUGT1	693218	-0.118	0.103	0.073	0.086	0.404	-0.902	-0.351	0.139	-0.17	0.294	-1.133	-0.417	-0.48	-0.912	-0.561	-1.212	-0.867	-0.737	-0.185	-0.249	0.49	0.453	0.0085	0.4855	0.04	0.198	-0.449	-0.817	0.167	-0.263	-0.277
SUMF1	695843	2.289	-1.876	0.8525	-0.8285	-1.864	-0.9445	-0.6485	3.217	0.57	-1.624	1.013	5.808	-0.0825	6.322	4.108	-0.0045	0.7065	4.265	-0.2925	-0.1675	3.317	2.524	-0.275	-0.306	-1.211	-0.4665	4.152	-0.552	-1.196	0.0045	0.6095
SUMO2	689403	0.053	0.678	0.462	0.017	-0.594	-0.209	-0.122	0.658	0.26	0.195	-0.057	-0.417	0.412	-0.467	0.068	-0.666	-0.46	0.417	-0.024	-0.4	-0.307	0.732	-0.478	-1.044	1.268	-0.017	0.162	-0.374	0.248	0.058	-0.256
SUV39H2	681342	-0.17	0.073	1.671	-0.768	0.001	-0.745	0.323	1.623	-0.3	0.916	-0.366	0.402	-0.156	-0.077	2.447	0.223	-0.638	0.567	-0.016	-1.038	-0.041	1.42	-0.08	0.0145	-0.296	0.577	-0.001	0.114	-0.521	-0.819	0.245
SYAP1	681813	1.446	1.633	-0.086	1.059	0.066	-0.462	-0.535	-0.121	-0.46	0.705	0.2	-0.153	1.267	-0.033	-0.107	0.069	-0.015	0.24	0.003	0.573	-0.342	-0.003	-1.094	-0.428	1.367	0.735	-0.079	-0.212	0.452	0.089	-0.205
SYCP2	689491	-0.778	0.5517	0.452	-0.007	-2.309	0.655	0.431	1.291	0.3	-2.224	1.494	-0.432	-0.795	0.814	-2.801	-0.598	-1.098	-3.181	0.598	1.29	-0.512	0.056	0	-1.394	1.856	0.626	1.241	0.2105	-0.805	-0.797	1.539
SYNGR1	686385	0.8505	1.447	-0.6745	-0.6465	-1.569	0.7675	-0.5555	1.604	0.17	1.554	0.6065	1.959	2.236	0.0485	-0.1185	-0.0485	-0.3495	0.8185	-0.7885	-0.9825	0.7645	-0.6565	0.376	0.381	-1.019	-0.5735	0.1745	-0.289	-0.8265	-0.3355	0.5395
SYTL2	692920	0.484	2.491	-2.244	-0.084	1.402	-0.229	-2.071	-1.2	1.09	-3.002	0.107	-1.215	0.682	-1.452	-3.129	-0.797	0.55	-0.128	1.142	0.877	-1.655	-1.411	-0.9045	0.621	1.442	0.708	-0.541	0.848	0.495	0.937	-0.695
TAF1B	681153	0.356	0.241	-0.055	-0.264	-0.002	0.22	0.423	-0.094	0.15	1.651	0.236	-0.349	0.216	-0.674	-0.225	-0.364	0.002	-0.714	-0.327	0.348	-0.175	0.51	-0.3905	-0.4765	0.401	-0.086	0.157	-0.739	0.309	0.082	0.327
TAF6	687144	-0.158	-0.584	0.118	0.59	0.079	0.04	1.1	1.216	-0.01	-0.017	-0.031	1.671	0.017	-0.835	-0.133	-0.372	0.334	-0.067	-0.59	0.254	-0.057	0.021	0.125	-0.0375	-0.184	0.837	0.742	0.3675	-0.207	0.073	-0.205
TARBP1	697518	-0.475	0.05	1.78	0.548	-0.132	-0.128	0.547	1.28	0.69	-0.724	0.065	1.305	0.441	0.113	0.586	0.301	-0.078	-0.939	0.009	1.395	-1.38	0.586	-0.76	-0.3145	0.16	-0.709	-0.585	0.6035	-0.688	-0.25	-0.181
TARS	686090	0.34	-0.443	-0.133	-0.472	0.279	-0.225	0.292	0.666	-0.26	0.394	-0.192	0.665	0.382	0.18	0.617	-0.834	-0.199	0.464	0.163	-0.162	0.068	0.886	0.158	-1.006	-0.213	0.444	-1	-0.8275	-0.068	-0.505	0.861
TATDN1	692620	0.41	0.037	0.29	-0.215	-0.059	-1.069	0.272	1.194	-0.19	1.236	-0.953	0.857	0.148	0.255	0.256	-1.287	-0.212	0.34	-0.857	-0.124	0.357	0.613	-0.063	0.229	-0.153	0.116	-0.21	-0.8615	-0.037	-0.224	0.662
TBC1D12	689394	0.0435	-0.2975	2.585	-0.1265	-0.1075	-0.7165	0.0205	1.846	0.22	0.7705	-0.3785	0.1695	0.6615	0.2705	1.823	-0.9205	0.0365	0.4355	-0.8515	-0.4295	-0.1995	1.267	-0.54	0.343	0.0925	0.9455	0.3595	-0.2785	-0.2105	-0.4815	-0.0205
TBC1D14	683294	-0.2092	-0.4972	0.1648	0.5928	0.4028	0.6098	0.0138	-0.5352	0.32	-1.561	-0.2372	0.6968	0.1308	-0.1872	0.2258	0.4328	-0.6892	-1.582	0.4478	0.6088	-0.3772	-1.039	-0.0138	0.0158	0.1128	-0.1162	0.7928	-0.5767	-0.0943	-0.4952	0.5948
TBC1D3	684780	0.467	-1.826	0.276	-0.357	0.182	0.517	0	0.407	0.4	-0.605	-0.576	-0.233	0.43	1.861	0.478	0.008	-0.335	-0.579	-0.484	-0.218	0.104	0.441	-0.3465	-0.4745	0.404	-1.03	-0.15	0.281	-0.585	-0.1256	0.883
TBCA	689449	-0.2675	-0.6155	0.0165	0.2405	0.0025	-0.3495	0.4105	-0.1395	-0.6	0.0475	-0.5305	-0.6435	0.8325	0.0865	0.0475	-0.8765	-0.3795	0.1675	0.6835	-0.0025	-0.5715	-0.3525	-0.627	-0.5225	0.7655	0.5245	-0.1445	-0.3885	0.2545	0.2005	0.5465
TBX1	682010	0.3065	2.254	0.9025	0.5765	0.5945	-0.4725	-0.8145	-0.8695	-0.2	0.0925	-1.201	1.464	1.241	1.542	-1.576	-0.1465	0.4835	-1.273	-0.4425	0.9765	-0.2185	1.222	-0.1945	1.987	-0.5735	-0.0055	-0.9445	-0.8985	-0.3195	0.0055	1.338
TBX3	687903	-2.203	1.318	-2.884	0.907	0.651	1.434	-2.146	-1.933	1.58	-2.825	0.807	-1.371	0.645	-1.719	-2.104	0.575	0.694	-1.662	0.986	-1.504	-1.488	-2.057	-0.871	-0.728	1.564	1.17	1.485	-0.7745	0.857	1.331	-0.575
TCAP	680995	0.7675	0.5745	-0.5265	-0.3405	-0.1605	-0.4735	0.1995	0.5155	0.3	-0.1925	-0.1145	0.2505	-0.0815	0.4065	0.2745	0.0925	-0.2795	-0.0005	-0.5225	-0.3555	2.108	0.4845	3.644	0.3625	0.0005	-0.4485	-0.0595	-0.1555	-0.4535	0.0885	2.31
TCEAL1	688759	-0.7125	-0.7415	-0.2205	0.5595	-0.5575	0.3545	-0.3485	-1.196	1.01	-0.4775	1.242	-0.7755	0.2375	-0.4765	-0.9255	-0.0735	0.3855	0.0765	1.744	0.1815	-0.5945	-0.8455	-1.156	-0.2725	1.469	0.0735	0.8775	0.457	1.422	0.1075	-0.1055
TCEAL3	691252	0.545	4.173	-0.145	-0.205	0.727	-0.493	-0.295	0.035	1.13	0.505	-0.687	-0.399	-0.687	-0.151	-0.025	0.385	-0.344	-0.522	0.045	-0.759	0.735	0.825	2.027	-0.162	0.025	0.175	0.085	-0.442	0.205	0.106	0.225
TCEAL4	687353	0.968	-0.018	0.086	0.424	0.864	-0.848	-0.566	-1.252	0.7	-0.578	-0.452	0.376	0.853	0.506	0.648	-0.582	-0.2	-0.423	0.511	0.612	-0.134	0.036	-0.4995	-0.1205	2.662	-0.535	-0.411	-0.007	1.051	0.007	0.296
TCF15	686545	0.3045	-0.0795	0.5125	-0.6385	-0.8025	0.5425	2.161	1.83	-0.62	-1.943	-0.5865	0.9125	0.5145	0.1535	-0.5055	0.0795	-0.1695	0.3085	-0.9575	0.1105	0.2255	0.7855	1.544	-0.514	-1.655	-0.5845	0.4005	-0.416	-1.542	-0.2085	0.1585
TCF3	689758	1.645	-0.022	2.365	-0.72	-0.273	0.376	1.398	1.26	-0.05	0.248	-0.458	1.212	0.245	1.618	1.784	0.416	0.56	1.359	-0.569	-0.475	0.705	2.37	-0.104	0.1615	-0.488	0.234	1.132	-0.416	-0.262	-0.033	0.082
TCF7L2	688358	0.0035	-0.6005	0.4045	-1.368	0.0785	-0.1605	-0.3065	0.6945	0.14	1.331	-0.0135	1.162	-0.7525	-0.0005	0.1805	0.0005	0.1045	-0.0215	-0.6005	0.5535	0.0365	-0.0495	0.1415	-0.5705	-0.3265	-0.5415	-1.228	-0.1325	-0.3155	0.6095	0.2455
TDRD7	695761	-0.033	-0.567	-1.695	0.493	0.523	-0.18	1.189	0.593	0.19	-1.056	0.684	-0.816	-0.38	0.423	1.442	-0.777	0.093	0.617	0.612	0.365	-0.186	0.096	0.907	-0.0675	1.689	0.539	-0.337	-0.4695	0.038	-0.141	0.411
TESK2	686924	0.2208	-0.8262	3.509	-0.1582	-0.5692	0.5718	4.079	1.084	0.41	-1.014	-0.0263	3.528	-0.5972	-1.041	-0.8362	1.606	-0.0703	0.2758	0.8428	-0.6132	-0.0353	-0.5532	-0.5052	0.0263	0.2988	-0.5102	2.5	-0.9822	-0.4442	0.0748	0.1278
TFAP2B	686514	1.856	-3.456	-4.337	0.69	-3.402	1.045	-4.149	-2.709	1.91	-3.137	0.114	-0.286	-3.9	0.654	-3.814	-0.114	0.954	1.476	-0.734	-4.08	2.163	-4.236	1.221	-1.342	-2.568	-3.686	0.505	1.098	0.885	0.529	0.524
TFCP2L1	685915	-0.401	-0.814	2.605	0.642	-1.435	0.352	0.492	3.028	0.29	0.116	-0.89	0.897	-1.098	-1.812	2.455	1.4	0.394	-0.008	0.049	-0.464	-1.324	2.28	-0.909	0.008	1.391	-0.127	-0.82	-0.849	-0.092	-0.667	0.398
TFCP2L2	697960	2.374	2.398	1.224	0.767	1.032	0.331	1.122	2.718	0.47	3.019	1.419	1.917	0.806	2.422	2.922	1.325	1.469	0.788	-0.4	1.68	1.178	2.825	1.306	1.2125	0.46	1.688	1.908	0.894	0.303	1.865	1.906
TFF1	688687	1.018	-1.339	2.113	-0.147	-0.89	-0.003	0.612	1.094	2.82	0.295	-0.8	1.394	0.014	0.422	0.9	-0.145	-0.233	0.846	0.003	-0.114	-0.315	0.878	1.319	-0.516	-1.093	-0.512	-0.165	-0.4085	-0.285	0.524	0.009
TFF3	695605	2.494	1.899	0.353	2.299	1.244	2.805	0.431	0.937	0.87	0.136	0.938	-0.133	1.331	0.462	0.795	0.301	0.985	1.01	0.04	0.122	2.347	0.49	1.3365	0.5245	1.84	1.847	2.496	0.0895	2.366	0.47	4.335
TFRC	693432	-1.396	-1.776	-1.718	-3.329	-2.322	-1.63	-0.657	2.03	-0.27	-0.389	-1.758	-1.883	-1.868	-0.069	-0.431	-2.03	-2.123	-0.85	-2.501	-3.568	-2.153	-2.46	-2.1945	-3.2305	-2.427	-1.773	-2.321	-1.7495	-2.804	-2.887	-0.578
TGFBR3	690641	-0.611	-0.921	0	0.729	0.1366	0.278	-0.161	0.501	0.36	0.34	-0.277	0.423	-0.177	-0.731	-1.028	1.321	0.438	-0.753	-0.612	2.647	0.027	-0.512	-0.836	-0.54	0.009	-0.211	1.052	-0.6425	0	-0.273	0.639
THY28	687185	2.22	1.072	1.139	-0.037	-0.094	0.498	1.449	1.502	0.45	0.297	1.025	1.445	0.486	1.831	0.731	-1.087	1.695	1.316	-1.017	-0.616	2.015	1.313	1.3725	-0.1215	-0.757	0.393	-0.459	0.0555	0.317	0.452	1.005
TIF1	682191	0.0155	0.7135	0.2025	-0.1365	-0.2885	-0.2975	0.1305	0.6745	-0.28	0.6955	-0.1135	0.3805	-0.2075	-0.0795	-0.5025	-0.7645	0.3025	0.2075	-0.0155	-0.5115	0.7255	0.0615	-0.3445	0.4885	0.2015	0.2895	-0.0265	0.3685	-0.7005	0.2695	-0.6025
TIGA1	689331	-0.1625	-1.146	0.9535	0.6755	-0.2345	-0.1825	-0.5305	-1.21	0.56	0.0635	-0.1795	-1.152	-0.5265	0.7145	-0.4805	0.8035	-0.0825	-0.9185	0.7155	0.7795	-0.0415	-1.14	-0.554	0.3455	0.0415	-0.1465	0.0485	0.8315	0.7455	0.2105	0.3355
TIM14	681121	-0.452	-0.336	-0.044	1.208	0.661	0.12	-0.406	-0.064	0.28	-1.393	0.18	-0.775	-0.584	0.377	1.077	-0.429	-0.669	-0.823	0.337	0.154	-1.119	-0.689	-1.219	-0.5855	0.444	0.194	0.205	0.1625	0.814	-0.443	0.088
TIMELESS	689108	-0.1335	0.7755	-0.2025	0.0045	-0.3935	0.4445	0.4155	0.3065	-0.56	0.5305	0.1615	0.7295	0.7675	-0.4085	0.8135	-0.7075	0.5005	1.071	-0.1345	-0.1405	0.2615	1.108	0.1015	-0.8185	-0.0375	-0.2565	-0.7355	0.599	-0.5105	-0.0045	-0.0925
TIMM9	684722	-0.178	-0.555	0.93	0.186	-0.05	-0.312	-0.111	0.18	0.21	1.361	-0.174	-0.681	0.133	-0.154	0.053	-0.518	-0.076	-0.797	-0.042	0.331	0.309	-0.0765	-0.5435	-0.282	0.977	0

Table 19.

Symbol	NAME	BR00-028	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	UB57	UB58	UB60
ABAT	682378	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.15	-1.856	1.885	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.566	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	2.634	2.026	1.035	1.308	-0.534
TMSNB	681721	0.775	-1.886	2.735	-0.255	-1.544	-1.274	1.195	2.565	-0.71	-0.715	-0.88	0.84	-0.718	-1.398	-0.055	0.515	-0.856	0.952	0.285	-1.579	1.395	1.715	0.7005	0.339	0.055	0.075	-0.085	0.2315	-0.265	-1.549	0.555
TNFRSF1	681592	2.846	-1.763	-1.022	-0.587	0.682	-0.441	1.566	-0.955	-0.21	-1.242	-0.239	0.556	0.049	0.124	3.136	1.105	-0.671	-0.601	0.869	0.857	0.707	-0.049	0.2935	0.3835	0.938	-0.187	-0.17	-0.379	-1.771	-0.116	0.184
TNFRSF2	689952	-0.1265	-1.047	0.4885	-0.3675	-0.5095	-0.3985	-0.2835	0.1395	0.31	0.5815	-1.228	1.035	0.4155	0.4305	0.3275	0.0255	-1.065	0.2195	-0.3185	-1.113	0.2505	0.7175	-0.5265	-0.5225	-0.8125	0.1255	-0.4715	-0.753	0.8655	-0.0255	0.2695
TNFRSF2	692465	0.396	-0.186	0.326	-0.182	0.48	-1.068	-0.69	1.204	0.37	-0.493	-0.841	0.076	-0.162	0.295	-0.7	-1.943	-0.106	0.357	-0.563	0.14	-0.117	0.844	-0.776	-0.423	0.93	0.7	0.406	0.6895	0.364	0.267	-0.718
TNFSF4	694020	0.634	0.945	-0.143	-0.038	0.984	-0.575	-0.373	-0.652	-0.11	-0.3	1.722	-0.339	1.051	0.604	0.957	-0.295	0.812	-0.218	-0.615	0.836	-0.168	0.405	0.4515	-0.613	0.103	2.104	0.001	0.6525	2.358	0.323	1.134
TNFSF7	684958	3.641	-0.8485	-0.8645	-0.3235	-0.8675	-0.0615	-0.6245	0.0615	0.79	-0.7965	1.088	0.5165	-0.3935	3.543	-0.7175	-0.3295	-0.1695	1.896	0.7375	0.2305	0.1715	-0.2845	2.316	0.393	3.06	-0.2025	0.2355	0.4875	0.5015	-0.6825	-0.4525
TNIK	695447	1.064	-0.603	0.121	0.659	0.731	-0.005	-1.295	0.071	-0.06	-0.794	0.481	0.22	0.871	0.383	0.174	0.278	0.824	0.452	-0.514	0.736	-0.105	-0.827	-0.565	0.7685	-0.23	1.517	0.387	0.4545	0.107	0.428	-0.552
TNNC2	687349	-0.0088	1.58	-0.5958	-0.4178	-0.2888	-0.1258	0.1732	-0.6728	-0.17	-0.1358	-0.8108	0.6772	-0.1408	-0.3088	1.962	0.5432	0.9222	-0.1818	-0.4018	1.472	0.4622	1.25	1.355	0.0088	-0.1178	-0.6648	-0.3448	-0.1788	0.1272	1.06	0.0243
TNNI2	687679	1.905	2.313	1.405	1.983	0.06	2.088	-0.239	0.43	1.32	0.395	2.628	0.118	1.749	2.12	1.074	0.553	2.324	1.511	-0.285	0.829	1.559	0.809	0.997	2.117	1.352	2.428	1.166	1.7275	0.043	1.256	1.527
TNNI3	695629	-1.783	-0.003	-2.565	-0.84	0.513	0.117	-1.975	-0.178	0.02	2.118	-1.95	-1.349	-0.372	-0.96	-2.018	-0.79	1.666	-0.87	-1.27	-1.739	0.17	-1.481	-1.464	-0.3905	-1.4	-0.013	-0.642	2.1455	-1.158	1.684	-1.846
TOB1	683402	0.1375	1.065	-0.8275	0.4575	-0.5385	-0.4465	-1.125	-0.0355	-0.24	-1.417	0.1635	-0.2045	0.2765	0.0575	-0.4995	-0.0015	0.3535	-0.1465	-0.2445	0.1235	0.8465	-0.2175	-0.9805	-0.0875	2.088	0.0015	0.7665	0.958	-0.0165	1.242	1.302
TOM1L1	685320	-1.202	0.6715	-0.5145	-0.0355	-0.0165	0.3445	-1.529	0.5425	0.49	-3.394	0.4865	-1.219	0.5145	2.651	0.4865	-1.206	-1.088	0.6535	-0.7075	0.2975	-1.839	-0.4255	-2.016	-0.538	2.358	0.2215	0.8575	0.0635	-0.2575	-0.1915	0.8075
TOMM7	683060	-0.484	-0.479	-0.621	0.388	-0.066	-0.292	-0.677	-0.152	0.24	0.456	-0.382	-0.405	-0.347	-0.322	0.016	0.506	0.096	-0.782	-0.121	0.269	0.057	-0.242	0.2625	-0.311	0.175	0.472	1.145	0.7535	0.073	0.352	0.404
TOP1MT	693021	-0.49	0.027	0.921	-0.351	-0.567	1.118	1.395	1.501	-0.13	0.744	-1.549	0.3	0.126	-1.116	-0.46	-0.474	-0.502	0.029	-0.343	-0.603	2.329	-0.115	-0.5405	-0.9695	-1.172	-1.029	0.162	0.0825	-0.674	-0.385	-0.712
TOP2A	690278	1.801	0.7815	0.4395	-0.3965	0.1995	0.0525	0.9335	2.232	-0.75	1.564	0.4855	0.8985	0.7955	3.072	1.333	-0.6495	-0.2105	0.7415	-0.3155	-0.4035	1.236	-0.1805	-0.55	-0.7375	-0.1945	0.1155	-0.8015	-0.1465	-0.8935	-0.0525	-0.6545
TOP2B	687326	-0.587	-0.064	0.67	0.036	-0.305	0.856	-0.236	-0.141	0.46	-0.433	-0.077	-0.826	-0.902	-0.024	0.321	-0.055	0.461	-0.44	0.204	0.553	0.17	-0.37	-0.547	-0.6685	0.568	-0.422	0.482	0.431	0.024	0.063	0.1
TOPBP1	697492	-0.738	0.02	-0.933	-0.881	-0.084	-0.993	-1.214	-0.054	-0.28	0.424	-0.647	-0.315	-1.493	-1.194	0.048	-0.945	-0.767	0.218	-0.664	-0.847	-0.479	0.25	-0.605	-1.486	-0.324	-0.276	-0.451	-0.3315	-0.871	-0.943	-0.636
TOPK	684492	-0.257	0.083	1.523	-0.063	0.089	0.569	2.159	2.617	-1.46	1.332	0.373	0.848	0.476	-0.726	1.804	-2.06	-0.04	0.003	-0.131	-0.781	-0.142	0.506	-1.133	-0.805	0.115	1.259	-0.078	0.222	-0.843	-0.411	-0.755
TP53AP1	688947	-0.602	-0.619	-0.402	0.631	0.519	0.532	-0.528	-0.383	0.49	-1.531	0.085	-2.023	0.865	-0.34	-0.645	-0.206	1.227	0.028	-0.028	0.599	-0.353	-0.922	-0.1495	1.607	0.57	0.727	1.872	1.5	-0.306	0.697	-0.394
TP53BP2	681831	-0.2965	0.1045	2.468	-0.0995	-0.7185	-0.6895	1.473	1.864	0.21	-0.9855	-0.3925	2.167	-0.4595	0.2645	1.213	-0.0085	-1.026	-0.6335	-1.278	0.3755	0.2955	0.6075	0.5225	-0.3095	-1.208	0.0125	0.7755	0.339	-1.6	-0.4235	0.8505
TP53INP1	686814	0.887	0.287	-2.21	0.002	0.147	2.016	-0.39	-0.913	0.33	-1.946	0.269	-1.26	-0.46	1.092	-0.366	-0.922	0.363	-0.689	-0.258	0.895	1.383	-0.628	-0.234	-0.2395	1.694	-0.002	0.942	1.019	-0.25	-0.041	0.885
TPD52L1	684176	-0.1945	-0.0995	0.0425	-0.1535	-0.3185	0.2305	0.3235	0.4015	0.25	1.612	0.3315	0.1795	-0.1785	-0.0865	-0.2035	-0.0855	-0.0655	-0.0245	0.1385	-0.1695	0.3065	-0.0085	0.38	0.066	-0.1345	-0.2085	-0.1065	0.105	0.3795	-0.0395	0.0085
TPRT	695363	-0.692	-1.389	0.574	-1.221	-1.505	-1.791	-0.347	0.027	-0.1	0.058	-1.969	-1.032	-0.495	-0.804	0.574	-0.999	-1.864	-0.466	-1.239	-1.606	-1.366	-0.121	-1.2425	-1.871	-0.708	-1.182	-1.599	-1.843	-1.837	-1.717	-0.936
TRAG	696810	0.6835	0.0375	-1.067	-0.4275	1.696	0.7605	-0.1295	-0.2935	-0.96	-1.318	-0.0405	-0.2465	-0.7685	0.5645	-1.003	0.2055	0.8925	1.088	-0.0375	1.235	-0.1145	0.1685	-0.888	0.5335	-0.1745	1.362	2.038	0.177	-0.1305	1.376	-0.0525
TRAF4	695150	0.829	0.859	1.056	-0.011	0.848	0.423	0.343	1.025	-0.1	-0.329	0.759	1.28	0.335	0.459	0.341	0.464	1.971	0.64	0.635	0.248	1.941	0.994	0.841	0.8725	1.165	0.04	0.508	0.9815	0.136	0.946	-0.161
TRAPPC4	682554	0.283	0.174	-0.154	0.228	0.553	0.576	-0.534	-0.265	0.09	-1.039	-0.224	-0.389	0.402	0.048	-0.706	-0.435	-0.344	0.385	0.342	0.503	-0.048	-0.63	-0.083	0.2115	-0.144	0.554	-0.337	0.3475	0.643	-0.247	0.535
TRH	686533	-0.099	0.571	-0.512	-0.145	0.044	4.302	-0.475	0.138	-0.16	0.376	0.566	-0.044	-0.178	-0.149	-0.317	0.73	0.162	-0.202	-0.315	0.157	-0.097	0.046	0.5465	1.864	5.493	-0.05	2.627	-0.077	0.441	0.103	-0.375
TRIM17	694736	0.3487	0.4667	1.434	-0.5793	-0.3983	0.2967	0.6287	-0.5713	0.56	-0.5653	0.8257	0.3857	-0.4753	2.521	0.0388	-0.1843	0.2567	-0.7273	-0.1633	0.3577	-0.0333	-0.2773	-0.5623	0.3207	-0.0053	-0.5463	-0.5483	0.0053	-0.5843	-0.5533	0.6477
TRIM2	682053	0.0118	-2.233	1.493	-0.0473	-0.1012	-0.2042	-0.0403	1.233	0.44	-0.9362	-0.6722	3.094	-0.8102	-1.136	0.1548	0.9928	-0.6642	0.5608	0.5218	-0.3212	0.9428	1.619	-0.0118	0.2188	0.4068	-1.121	-1.134	-1.231	0.5198	-0.5792	1.278
TRIM6	682620	0.216	-0.931	-1.092	0.316	-0.666	-0.148	-0.356	-1.027	0.34	0.172	0.946	-0.596	-0.996	0.197	0.431	-0.5	0.78	0.35	0.185	0.025	-0.637	-0.046	0.482	-0.443	-0.412	0.213	-0.053	-0.2895	0.381	-0.025	0.26
TRIP3	696359	-0.906	0.111	-0.931	-0.564	-0.264	-0.698	-1.045	-0.709	0.15	-0.151	-0.246	-0.835	-0.38	-0.951	-0.438	-0.6	-1.141	-0.597	-0.42	-0.79	-1.075	-0.921	-0.4005	-0.6465	0.149	-0.839	-0.123	-0.1195	-0.433	-0.583	-0.247
TRPS1	683107	-0.9335	0.4625	0.2285	0.4615	1.035	1.257	0.5615	0.7755	0.21	-4.797	-0.6465	0.7345	-0.5205	0.4025	-1.06	0.1265	0.1685	-1.644	-0.0685	0.6165	0.2235	-0.8665	-0.709	-0.3205	-0.1035	0.2255	1.037	-0.387	0.7805	-0.4815	-0.4885
TSG101	685755	-0.1475	0.7725	-0.0115	0.3565	0.6845	0.8695	-0.3645	-1.446	0	-0.3975	0.7285	-0.4695	-0.1315	0.0145	0.0115	0.1805	0.5395	-0.1245	0.4925	0.3975	-0.2715	-0.2635	0.556	-0.095	0.4905	0.1985	-0.0246	-0.425	0.7935	-0.3285	-0.0815
TTC10	687943	-0.2825	0.4795	0.0275	0.8675	1.091	-0.4945	-1.003	-0.4135	0.71	-0.5045	-0.0475	-0.8145	-0.2985	0.0415	-0.7505	0.0065	-0.5145	-0.7475	0.6085	0.9545	0.7135	-0.8765	-0.8075	-0.2155	0.2675	-0.0065	0.8125	0.092	0.3015	0.0515	-0.2065
TTC12	682598	-0.001	-0.269	1.102	-0.018	0.02	-0.219	-0.485	-0.763	0.7	-0.097	1.094	0.204	0.001	-0.429	0.169	-0.039	0.035	-0.052	-0.104	0.343	0.204	-0.087	0.3925	-0.014	0.145	-0.108	-0.085	-0.1105	0.314	0.049	0.168
TTK	691976	0.678	0.89	0.733	-0.044	0.356	-0.567	0.705	1.244	-1	0.68	-0.351	0.225	0.631	-0.061	0.622	-0.984	-0.021	1.333	-0.609	-0.478	0.497	0.809	0.0705	-0.4235	-0.539	0.408	-0.051	0.021	-1.333	-0.682	-0.543
TTLL4	685109	0.1845	-0.6855	2.598	-0.5045	0.0325	0.1325	-0.3185	0.4825	0	0.4725	-0.2985	0.3575	0.0185	0.0955	0.5955	0.0935	-0.8135	0.2445	-0.0755	-0.3835	0.0545	0.8575	-1.097	0.0035	-0.3365	-0.9005	-0.0595	-0.3935	-0.8225	-0.0035	0.0655
TTYH1	688941	1.121	-0.0935	0.7215	-0.0085	-1.709	-0.0345	1.543	1.104	0.47	0.4645	-0.8275	3.214	-0.0235	-0.0735	4.113	0.5985	-0.2605	-0.0075	0.0076	-0.1525	0.0485	0.9245	0.0395	0.7495	-0.3695	-0.4525	-0.4995	-0.243	0.0875	-0.0285	0.1085
TUBB3	685420	0.006	-0.272	-0.628	0.332	-1.184	0.205	1.72	1.757	0.02	0.442	0.175	0.378	3.158	-0.768	-0.593	-0.174	-0.17	2.285	-0.167	-0.461	-0.058	-0.006	1.107	-0.2065	-0.942	1.329	0.293	-0.2135	0.947	0.647	-0.644
TULP3	684931	-0.36	0.217	2.027	-0.055	-0.04	0.451	-0.209	1.066	0.04	-0.318	-0.549	0.075	-0.166	0.225	0.406	0.022	0.035	0.275	-0.022	0.143	1.187	0.856	0.4425	-0.1195	-0.196	-0.325	-0.233	-0.214	-0.948	0.355	-0.755
TXN	687357	0.169	1.25	-0.143	-1.205	-0.006	1.373	0.2	1.312	-0.54	-3.489	0.006	-1.581	-0.087	1.525	0.475	-1.205	0.205	1.011	-1.684	-0.685	1.866	-0.854	0.5685	-0.996	-0.195	0.346	0.565	0.1	-1.365	-0.826	1.805
TYMS	763590	-3.367	-2.92	-2.807	-3.951	-3.58	-2.74	-1.34	-1.93	-1.04	-1.838	-2.6	-2.84	-3.13	-3.98	-0.838	-4.416	-2.95	-1.2	-2.759	-3.84	-2.208	-2.516	-3.2415	-3.292	-3.218	-3.499	-3.084	-3.153	-4.199	-3.76	-3.059
U5-116KD	696228	-0.823	-0.015	-0.846	-0.929	0.112	-0.036	-0.435	0.003	0.01	0.195	-0.408	0.062	-0.538	-1.186	-0.542	-0.631	-0.574	0.067	-0.672	-1.097	-0.605	-0.413	-0.4435	-0.394	-0.34	-0.663	-0.192	-0.232	-0.841	-0.283	-0.488
UBE2E3	682401	-0.8132	-1.39	1.221	-2.032	-2.697	0.3708	0.1198	0.1038	0.81	-0.3832	0.4348	0.0718	0.1188	-1.374	1.29	0.5278	0.2158	-0.1002	-0.4922	-0.4302	-0.4692	-0.0453	0.1818	-0.5832	-1.438	-0.4452	0.6308	0.0453	-1.422	-0.7132	0.4848
UBL5	688745	0.462	-0.834	0.531	0.95	0.025	-0.304	-0.093	-0.59	-0.01	-0.497	-0.214	-0.564	0.578	0.201	0.187	-0.967	-0.554	-0.046	-0.118	-0.088	-0.224	-0.393	-0.3625	0.1825	0.372	0.108	0.41	0.288	0.52	0.336	0.151
UBN1	687671	0.3765	0.5135	0.2735	0.2785	0.0695	0.4975	0.0035	-0.0115	-0.14	-0.1765	-0.6615	0.4335	-0.3785	-0.1605	0.0425	0.1595	-0.3325	-0.0035	-0.3045	0.1255	-0.0365	0.3235	-0.6895	-0.3955	-0.1475	0.3325	0.2885	-0.0205	-0.2445	0.5145	0.1815
UCHL1	688791	-0.6	-0.589	0.341	-0.644	-0.579	-0.463	4.428	1.686	-0.53	0.798	0.764	3.475	-0.396	-0.36	3.864	0.291	0.096	1.841	-0.551	-0.401	0.21	0.781	1.641	-0.507	-1.09	-0.225	-0.795	0.1005	-0.253	0.918	0.565
UCHL3	695206	-0.061	-1.042	-0.134	-0.509	-0.134	-1.228	-0.513	0.224	0	0.585	-0.722	-0.7	0.135	-0.486	-0.292	-1.658	-0.985	0.065	-0.596	-0.283	-0.168	-1.274	-1.2515	-0.9345	-0.925	0.01	-0.862	-1.2795	0.007	-0.891	-1.11
UGCG	682939	-0.5385	1.11	-1.925	0.8545	0.1905	2.236	-1.134	-1.917	0	-0.3245	1.384	-2.554	0.1985	-0.4715	-0.0725	0.2765	0.5015	-0.4795	0.1245	0.3405	-0.8485	-1.763	-0.3765	0.0905	3.741	0.4865	0.0175	0.901	-0.7485	0.6075	-0.1135
UGCGL1	686132	-0.467	0.073	-0.486	-0.449	0.656	-0.657	0.053	-0.703	-0.76	0.057	-0.687	-1.028	-0.327	-0.134	-0.546	-0.535	-0.51	-0.981	-0.176	-0.485	-0.377	-0.199	-1.039	-0.8075	-0.171	0.107	-0.474	-0.7075	0.225	-0.653	-0.74
UGT2B7	689581	1.083	-1.669	0.195	0.414	-0.739	0.452	-1.031	0.991	4.04	-0.691	-0.558	0.024	-0.976	1.051	-0.121	0.389	1.544	2.466	-0.024	0.087	-0.057	1.946	-0.6705	7.47	4.424	-0.687	-0.572	0.129	-0.638	-0.388	-0.296
UNC13D	693690	1.516	0.811	1.851	-0.533	0.147	0.683	1.498	0.271	-0.04	0.484	0.41	0.675	1.6	0.033	0.99	0.045	0.455	0.677	0.237	-0.281	1.095	3.26	0.9015	0.653	0.551	0.285	0.038	-0.4755	-0.332	1.613	0.486
VAMP8	685078	0.146	-0.315	0.925	-0.412	-0.128	-0.074	0.998	-0.065	0.11	0.52	-0.526	0.288	0.363	-0.16	0.561	-0.764	-0.052	0.539	-0.354	-0.117	0.371	0.716	0.4105	0.5915	-0.039	0.144	0.067	-0.698	0.024	-0.06	0.277
VAPA	684453	-0.587	-0.532	-0.724	0.105	-0.127	-0.277	-0.456	-0.04	0.23	0.279	0.202	-0.107	-0.338	-0.104	0.299	0.451	0.175	-0.877	0.107	0.156	-0.496	-0.677	0.223	-0.4505	0.063	-0.33	0.39	0.556	0.56	-0.536	0.04
VAV1	693880	0.339	-0.451	-1.459	-0.517	-0.646	0.023	-0.189	-0.92	-0.44	-0.776	-0.107	-0.183	-0.127	-0.382	0.421	-0.123	-0.676	0.256	-0.175	0.34	-0.113	-0.53	0.658	-0.296	-0.281	-0.423	-0.5	-0.263	0.067	0.126	0.677
VAV3	695745	1.278	3.255	-0.787	3.543	-1.372	2.015	-0.55	0.875	1.15	0.517	3.601	-0.159	1.917	2.901	0.168	2.085	2.908	2.009	1.594	3.354	1.206	0.634	2.362	1.8145	2.503	2.478	3.789	3.6055	2.111	3.427	2.187
VCX3	688317	-0.128	3.141	-0.205	-0.097	2.003	0.286	-0.011	-0.578	0.54	-0.214	1.898	-0.518	0.768	0.45	-0.319	0.501	1.65	-0.545	-0.85	-0.567	0.011	0.23	6.411	0.5425	0.415	-0.607	-0.874	1.59	-0.06	1.249	-0.359
VDAC2	681387	0.2585	-0.1395	1.694	0.1125	-0.0305	-0.1305	0.1195	0.5695	-0.22	0.9655	0.3455	-0.2165	0.0375	0.4245	0.9915	-0.3335	-0.0985	0.0305	0.3935	-0.1615	-0.6135	-1.102	-0.662	-0.546	-0.0475	0.2865	-0.3845	-0.9655	0.1435	-0.4755	0.1255
VEST1	685356	-0.0225	0.5425	-0.2395	3.052	0.2325	3.016	-0.0435	0.1295	0.04	-0.2295	0.0525	0.0305	-0.1395	-0.1025	-0.0455	0.2335	0.1105	-0.0945	-0.1235	-0.1715	0.0905	-0.0135	0.148	0.25	-0.0815	0.2435	-0.1005	0.0135	-0.1875	-0.0935	0.0525
VGLL1	763309	0.8785	-0.2635	-0.6895	0.1705	0.2855	-0.0565	0.4605	0.7425	-0.18	0.5705	-1.196	-0.1855	-0.0745	-1.098	-0.1195	-0.8415	-0.3065	1.259	0.1545	0.2995	1.704	0.8835	0.522	0.7155	0.0385	-0.3335	-0.1415	-0.7025	0.4095	0.3445	-0.0365
VMD2L2	696188	0.502	-0.848	1.105	0.395	0.448	0.246	0.317	-0.011	0.19	0.077	0.435	0.462	0.077	0.536	0.16	0.082	0.492	0.593	0.421	0.268	0.652	0.212	0.818	0.8835	-0.376	-0.407	0.249	0.528	0.573	-0.111	0.029
VSX1	692722	0.312	0.821	0.298	0.793	0.383	0.488	0.845	2.477	-0.2	0.017	0.315	2.832	-0.066	0.092	0.483	1.679	0.703	0.228	0.48	0.592	0.541	2.96	1.013	1.729	0.763	0.303	0.791	1.101	0.466	0.314	1.497
WARP	683039	-0.9485	-0.1775	-0.5135	0.5735	0.3845	-0.2405	0.0915	0.9195	0.33	0.6095	0.2825	0.4115	0.5045	-0.0555	-1.892	-0.7765	-0.5485	-0.3955	-0.0135	-0.4955	-0.3765	0.1125	-0.0105	0.5835	0.0105	-0.2255	-0.2535	-0.587	0.9525	0.0335	0.0335
WDR26	691481	0.0735	0.6425	1.001	-0.0265	-0.1005	-0.2195	-0.0095	0.4095	0.03	-0.5015	-0.0455	0.5245	-0.0175	1.208	0.2015	-0.5025	0.0095	-0.2355	-0.2945	0.8445	0.4695	-0.2705	-0.3265	-0.5185	-0.0385	0.4975	0.6385	-0.537	-0.3165	0.0875	0.9185
WDR6	693627	-0.474	-0.061	-0.177	0.707	0.347	0.644	0.09	-0.49	0.4	0.013	-0.653	-0.227	-0.044	-0.902	-0.588	0.498	0.617	-0.162	0.429	0.879	0.622	0.618	-0.149	-0.0425	0.283	-0.357	0.376	0.45	0.252	0.714	0.033
WHSC1L1	695912	-0.231	1.106	0.173	0.585	1.14	1.05	-0.136	0.132	0.15	0.259	0.158	0.513	0.331	0.448	0.436	0.592	-0.033	-0.689	0.327	0.486	0.195	0.796	-0.188	-0.295	0.617	1.098	1.123	0.3425	0.046	0.547	-0.243
WNT3	688424	-1.223	-0.224	-0.769	1.111	0.265	0.916	-0.661	0.02	0.03	0.706	-0.878	0.031	-0.414	-0.572	0.051	-0.426	-0.805	-0.241	1.482	0.37	-0.751	0.641	-0.529	0.1555	0.737	-0.02	0.39	-0.172	0.71	0.389	-0.924
WNT6	763326	0.104	-0.33	1.974	-0.347	-0.02	-0.54	0.485	2.228	-0.1	2.798	-0.35	2.05	-0.44	-0.51	0.711	0.782	-0.24	-0.25	-0.156	-0.21	0.252	0.288	2.327	0.3455	-0.074	-0.436	-0.399	-0.1765	-0.332	-0.61	0.163
WSB2	693380	0.3205	-1.655	0.3455	-0.0145	-1.316	2.383	0.1395	-0.1315	0	0.4115	-0.5675	-0.0055	0.0025	0.4765	-0.4075	-0.4555	-0.1415	0.4875	0.5765	0.0885	0.5255	-0.0025	-0.461	0.3685	-0.3935	-0.1595	-0.0385	-0.171	0.2435	0.8595	-0.0845
WWP1	686545	-0.4173	2.735	-0.9713	0.8387	0.0288	2.384	-0.0973	-0.4703	0.34	-1.457	0.4087	-0.0943	-0.1403	-0.3403	-0.7593	-0.8573	0.7567	-0.2473	0.8567	1.278	-1.12	-1.019	-0.5823	-0.0288	1.342	0.7997	1.194	0.2687	-0.4463	0.4677	0.4007
WWP2	691487	-0.345	0.899	-1.13	-0.649	0.581	-0.508	0.909	0.169	-0.2	-0.001	-0.323	0.032	0.074	-0.0834	-0.492	0.389	0.048	-0.017	0.113	-0.501	0.307	-0.581	0.522	-0.2845	0.095	0.231	-0.312	-0.327	0.203	-0.039	0
XBP1	689595	-0.075	1.484	-4.077	1.272	0.484	0.947	-2.754	-2.816	0.9	-3.277	1.149	-3.168	0.597	0.223	-1.102	-1.072	-0.035	-0.792	0.863	1.137	-0.21	-2.713	-1.272	-0.6345	1.233	-0.022	0.507	0.022	1.553	-0.468	0.151
XYLT2	692339	-0.361	0.881	-0.679	-0.006	0.289	0.032	-0.429	-0.169	0.14	0.062	0.463	-0.337	-0.527	-1.095	-0.612	-0.095	-0.256	-0.406	0.141	0.225	0.668	0.166	0.6635	1.226	0.813	0.095	0.606	0.7995	-0.199	0.841	0.246
YBX2	690818	0.0105	0.8045	-0.6025	-0.4505	0.0295	1.352	1.943	0.6665	-0.55	-0.2705	-0.7325	0.3295	-1.371	0.9675	-1.047	0.1375	0.0515	0.0145	-1.027	-1.04	0.6275	0.3395	0.334	-0.0965	-0.7035	-0.0105	-0.0935	0.431	-0.9875	-0.0715	0.1445
YIF1	687006	0.138

Table 19.

Symbol	NAME	BR00-026	BR00-036	BR00-057	BR00-058	BR99-020	BR99-034	PB120-LN	PB126	PB149	PB205	PB255	PB297	PB311	PB314	PB334	PB362	PB370	PB376	PB413	PB441	PB455	UB29	UB37	UB38	UB39	UB43	UB45	UB55	U557	UB58	U560
ABAT	682378 III /	-0.71	-0.17	-1.718	-0.198	2.101	1.742	-2.219	-2.788	2.45	-1.855	1.685	-1.976	0.743	-1.355	-1.937	-1.035	0.17	-2.664	0.506	3.38	-1.951	-1.821	-2.577	1.761	1.056	1.109	-2.634	2.026	1.035	1.308	-0.634
ZNF165	688728 III	-0.2035	0.6555	1.011	-0.2075	0.5915	0.8015	0.0545	0.9905	-0.66	-0.7355	0.1295	-0.4685	1.436	-0.8705	0.7445	-0.1955	-0.6575	0.5975	1.12	-0.1195	-1.678	0.9545	-0.0565	-0.0545	1.208	0.1355	-0.1375	-0.881	0.3035	-0.4005	-0.2195
ZNF24	683142 III	-0.724	0.048	-0.451	0.079	0.581	0.776	-0.614	-0.783	0.32	-1.368	0.197	0.35	-1.129	-0.686	-0.358	-0.265	-0.103	-0.77	0.519	0.433	0.093	-1.395	-0.5275	0.3775	0.736	-0.711	0.181	0.0885	0.389	0.061	-0.344
ZNF318	682803 III	-0.404	-0.468	0.703	0.1	-0.265	-0.429	0.156	0.479	0.57	-1.72	-0.375	-0.245	0.2	-0.304	0.441	0.069	-1.028	-0.391	0.403	-0.069	-0.132	0.6	-0.692	-0.333	0.507	0.151	-0.286	-0.344	0.394	0.165	0.056
ZNF364	690750 III	0.043	1.099	0.684	0.251	-0.136	-0.006	0.79	0.339	-0.07	-0.084	0.42	0.595	-0.145	-0.701	0.621	-0.44	-0.021	-0.184	-0.244	1.175	-0.565	-0.127	-0.703	-0.3245	0.006	0.054	0.423	-0.032	-0.185	0.121	0.36
ZNF432	696694 III	0.115	-0.561	0.121	0.079	-0.59	-0.349	0.055	0.017	0.09	-0.103	-0.121	-0.07	4.736	-0.039	-0.045	-0.701	-0.499	0.082	-0.149	-0.128	-0.236	0.289	-0.176	-0.016	-0.09	-0.013	-0.263	-0.1725	-0.585	-0.199	-0.025
ZNF462	682655 III	0.3475	0.7615	-1.216	-0.2895	-0.6575	-0.2465	0.2125	0.9976	0.71	1.115	-0.1365	0.0515	-0.4195	-0.164	0.5415	-1.264	0.0325	0.3465	0.2355	0.6035	-0.3965	-0.2175	0	-0.3955	0.3475	0.4495	-0.8205	-0.483	0.1825	-0.3655	0.0085
ZNF505	697563 III	-0.062	-1.345	1.695	-0.302	-1.101	-0.776	0.345	-0.991	-0.18	0.052	-0.397	-0.797	-0.257	-1.627	0.252	-0.235	-1.452	-0.212	-0.693	-0.349	-0.138	0.199	0.2625	-0.6395	-1.155	-0.379	-0.76	-0.2935	-1.415	-0.567	-0.408
ZNF552	681805 III	-0.777	-0.259	-1.221	1.24	-0.409	0.1	-0.918	-1.114	0.56	-0.586	0.79	-1.928	-1.997	-0.335	-1.303	-1.545	0.777	-1.693	0.068	1.447	-0.042	0.106	-0.78	1.226	1.308	1.017	0.797	0.6195	0.042	1.178	-0.059
ZNF577	696450 III	0.594	0.483	1.045	0.188	0.391	1.083	0.363	0.186	0.77	0.399	1.791	-0.272	3.899	0.603	0.257	0.321	0.712	0.159	0.153	1.161	0.733	1.402	1.619	1.983	-0.221	0.957	0.884	0.9	0.748	0.172	0.989
ZNF587	695267 III	-0.446	0.393	0.383	1.546	0.698	1.35	0.069	0.408	-0.17	0.392	1.469	-0.226	-0.663	0.457	-0.202	0.358	1.387	0.249	1.832	1.554	1.091	1.028	0.057	1.3975	2.257	1.306	0.396	1.119	0.74	2.358	0.357
ZNF598	689656 III	0.6632	0.2382	0.2132	-0.5278	0.4472	0.8932	0.9212	0.5472	-0.02	-0.5568	-0.3968	0.4472	-0.0128	-0.0728	0.8852	-0.6938	-0.2228	0.2622	-0.5368	-0.2118	-0.2478	0.6612	0.8202	0.0128	-0.4858	0.1722	0.1462	-0.6633	-0.6408	-0.2288	0.6552
ZNF599	697761 III	-0.26	0.012	2.135	1.691	0.306	0.977	-0.308	0.171	0.33	-0.172	0.694	-0.418	0.806	0.193	-0.06	0.253	0.331	-0.297	0.771	0.551	0.457	1.152	1.1945	0.469	0.569	0.452	0.593	0.9135	1.273	0.175	0.11
ZNF606	683301 III	0.9346	-0.2202	1.283	-0.2632	-0.6392	0.0888	0.0898	-0.0063	0.46	-0.5032	0.5348	-0.1692	-0.6272	-0.1902	0.0268	-0.3762	-0.0923	-0.2222	0.1478	0.5268	0.7288	0.8036	-0.1362	0.0063	0.5968	0.6638	-0.2602	-0.2782	-0.1942	0.0478	-0.0623
ZNF614	683556 III	-0.254	-0.733	0.158	-0.164	-0.03	0.611	-0.172	-0.119	-0.06	1.452	0.592	-0.101	4.451	-0.016	0.294	0.258	-0.324	0.073	0.16	0.351	-0.388	-0.113	0.3545	0.007	-0.055	0.416	-0.393	0.0935	-0.212	0.129	-0.176
ZNF639	690004 III	-1.119	-0.662	0.172	-0.547	-0.225	-0.847	-1.019	0.412	0.1	-0.658	-0.356	-1.029	-0.846	-0.49	-0.513	-0.227	0.091	-1.13	-0.222	-0.464	0.007	-1.547	-0.6165	-1.2135	-0.316	-0.791	0.09	-0.401	-0.22	-0.8	-0.87
ZNF7	694715 III	1.521	2.282	1.746	2.8	2.387	2.442	0.777	1.214	0.24	-0.767	1.321	2.686	1.835	1.376	1.659	1.388	1.15	0.941	1.995	2.176	0.398	1.193	-0.2835	0.8745	1.771	1.116	2.48	0.923	1.847	0.603	1.405

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.195	-2.417	-1.009
-1.49	-0.758	-1.58	-0.9225
1.265	-0.764	-0.316	-0.096
-0.312	0.4995	0.186	-0.025
-0.997	0.1435	1.733	4.101
0.663	-0.3	0.281	0.539
-1.101	-0.4495	-0.114	-0.0846
1.649	-0.1665	0.406	1.365
0.162	-2.157	-2.105	0.423
0.9325	-0.435	-0.504	-0.966
-0.773	1.164	-0.443	-0.3105
0.681	0.696	1.09	1.4695
0.091	-0.058	0.301	0.144
0.059	1.197	0.949	1.003
1.412	-2.586	0.971	-3.3155
0.087	0.344	0.184	-0.5335
0.233	-0.302	-0.507	0.876
-0.295	0.91	0.099	0.572
0.19	-1.8625	-3.646	-3.21
1.087	0.2365	0.243	0.8425
0.339	-0.5255	-0.513	-0.3355
-0.34	-0.2035	-0.723	0.177
0.1102	1.629	1.437	1.1065
-0.263	1.774	2.097	0.565
0.425	-0.2825	-0.557	-0.366
0.6335	-0.465	-0.447	-1.0055
-0.749	1.047	-0.845	0.3715
0.084	0.718	-0.383	-0.52
-0.126	0.508	0.054	-0.296
1.448	-0.655	-0.044	-0.4095
1.454	-0.0355	0.647	-0.1255
0.246	-0.8735	-0.301	0.646
1.278	-1.1825	-0.575	-0.36
-0.0258	-0.1195	-0.481	-0.106
1.571	-0.3265	0.177	-1.0425
0	3.942	3.412	2.4155
-0.401	2.032	0.443	-0.6525
-0.2635	0.1555	-0.172	2.241
2.91	-0.0625	0.152	-2.2475
-1.621	0.9145	-0.982	-0.0395
-0.42	0.6335	-0.316	-1.326
-0.9245	1.5355	0.225	0.528
0.0975	3.2795	0.45	0.528
3.901	-0.537	0.191	-0.923
0.637	-0.0045	1.507	1.3285
0.883	1.4	0.551	0.2565
0.4	1.519	0.712	0.224
-0.032	-0.3525	0.767	-0.2155
-0.008	0.075	0.708	-0.333
0.757	0.639	-0.54	0.301
2.02	0.137	0.349	1.413
2.211	0.1095	0.573	1.5195
-0.197	1.413	1.132	-0.3405
-0.363	0.324	-0.931	0.2405
-0.1787	0.127	0.481	-0.25
1.183	-1.8905	-2.515	-2.4255
-1.489	-0.884	-0.603	-1.1395
-0.041	0.54	-0.487	1.6535
0.214	0.262	-2.309	-0.653
-2.568	-0.647	0.23	-2.489
-0.039	-0.3445	-0.395	0.042
-0.6803	-0.437	0.31	-1.277
-0.4445	1.475	1.048	0.359
1.727	-0.464	-0.953	0.3445
-1.139	-1.0235	-0.991	-0.207
-0.951	-1.0735	-0.774	-0.651
-0.902	0.083	0.637	0.1695
1.459	0.9805	0.852	-1.4575
-0.066	1.572	0.675	2.9835
0.659	-0.2805	0.367	0.414
0.028	-1.0495	-0.428	-0.7725
0.6725	-0.3505	-0.71	-0.7465
-0.317	1.6915	2.679	-1.3855
-1.107	0.121	-0.384	0.893
0.13	-0.432	-0.88	-0.161
-0.0225	0.2445	-0.241	0.7185
1.597	-0.877	-0.478	1.0005
-0.459	0.5865	-5.138	-3.0945
-0.7312	-0.327	-0.535	1.635
0.001	2.023	0.502	0.609
0.355	-1.8665	-2.476	4.691
-1.022	-3.348	-3.083	0.6065
-1.475	2.2285	4.242	-0.0965
0.209	1.4645	-1.318	0.871
-0.059	0.956	0.53	-1.795
-0.717	0.2925	0.03	0.3105

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.195	-2.417	1.009
0.5975	0.61	-2.184	-0.649
-1.219	-0.387	-0.987	-2.025
0.0095	0.451	-1.301	-1.024
0.5085	-1.227	-1.921	-0.512
1.347	-0.1035	-0.251	-0.337
-3.422	-0.8525	-1.303	-2.201
-0.404	1.62	0.889	-0.3725
0.213	0.411	0.418	-1.264
-0.33	-1.2305	-1.793	-1.608
-0.277	0.731	0.049	2.747
0.279	1.434	0.534	0.005
0.0735	-0.0055	0.951	0.205
-0.1565	1.823	1.008	0.3725
0.666	-1.0755	-0.807	-0.509
0.426	0.1045	-0.286	-2.497
0.5068	1.32	-0.373	0.429
-0.3675	-1.2405	-1.13	-2.7365
1.191	-0.8015	-1.189	-1.224
-0.549	-0.776	-0.502	-0.3055
-0.3395	1.0565	1.005	-0.2755
1.204	-1.059	-1.165	-1.3515
3.314	1.4345	1.71	3.514
-0.949	0.6905	0.339	-0.239
-0.258	1.2945	0.641	-1.114
0.455	1.6975	0.635	0.707
-0.975	0.3725	0.11	-0.1705
-1.183	-0.1585	-1.048	-0.349
1.751	1.3175	0.315	-1.008
-0.6485	0.7915	1.05	-0.3535
0.0655	1.3725	1.598	2.2415
-0.3095	-1.293	-0.334	-1.364
1.038	1.406	1.874	1.6695
-0.1352	-0.4375	-0.028	1.381
1.361	1.959	-0.323	0.158
-1.183	2.105	2.321	0.816
0.577	-0.685	-0.078	0.768
-1.693	-0.9595	-0.932	1.1
0.2685	2.385	0.991	1.7925
2.217	0.584	-2.274	0.1105
1.455	1.9405	0.594	1
-0.7735	-0.882	0.515	1.4945
1.833	1.363	0.438	0.127
-0.462	-0.072	1.75	1.884
-0.058	-1.374	-0.184	-2.1765
0.3075	-0.7655	0.355	0.7635
0.159	-0.029	0.218	-0.856
-0.727	-0.392	1.52	1.0925
-1.159	-0.4455	-1.273	-1.1235
0.077	-1.275	-0.43	-1.0265
0.79	0.92	0.101	0.535
0.376	0.342	0.549	1.7015
-0.775	-0.5422	-1.184	-1.1495
-0.367	0.133	-0.469	-1.35
-0.944	0.26	0.971	0.6875
0.077	0.3695	-0.139	-0.574
-0.116	-0.4255	-1.607	-1.9985
-0.326	-0.9225	-0.724	0.073
0.912	-1.07	-0.167	-0.0015
-0.0195	0.663	1.216	0.259
1.034	1.226	0.054	0.384
0.428	-1.88	-1.85	-1.185
-0.6415	0.277	1.573	-1.052
-0.498	-0.131	0.055	0.069
-0.5855	0.2945	1.113	-1.396
1.957	-0.9075	-0.657	2.262
1.161	-0.336	-0.934	-0.642
0.6075	-0.7015	-1.855	-1.0285
-0.381	0.0835	0.262	0.175
-0.301	0.329	-0.2	0.0965
-0.4175	0.849	-0.747	-0.451
-0.72	-0.6345	3.052	-0.5465
0.69	-0.4695	-1.295	1.595
0.685	0.744	-1.426	-0.789
0.282	0.705	0.53	-0.211
0.6557	-0.015	0.302	2.853
-1.937	2.012	1.326	1.179
-0.795	1.244	0.343	2.1765
4.713	1.77	0.171	0.592
1.261	2.3235	1.016	0.783
-0.519	1.0175	0.746	-0.0465
0.403	1.882	0.392	-0.213
0.6257	0.312	0.121	0.313
1.582	-0.266	0.767	-0.2115
-1.436	1.103	1.898	0.459

Table 19.

UB66	UB67	UB71	UB78
1.268	-2.195	-2.417	-1.009
1.429	0	-0.478	-0.8535
-1.142	0.333	0.167	0.5
-1.631	-1.397	-1.56	-1.415
-0.243	-0.865	0.286	-0.8305
0.981	-1.623	-2.596	0.626
-0.7762	0.6255	0.161	-1.2745
0.8405	0.8165	0.555	-0.345
-0.3235	0.5325	-0.515	-0.3915
0.167	1.79	1.393	0.807
-3.009	-0.4945	-1.376	-1.334
-0.232	1.018	1.379	1.387
-0.314	0.5975	-0.031	-1.067
0.7755	2.253	0.248	0.3655
-2.851	-1.9635	-0.883	-2.725
-2.918	-2.0965	-1.851	-2.795
-3.108	-0.3275	0.045	-1.9595
-3.466	-1.157	-1.253	-1.2285
-0.623	0.9805	-0.301	1.6545
1.163	0.907	0.982	0.999
-1.137	2.671	-0.224	0.346
-1.087	-0.689	-0.848	-0.4685
-0.152	1.1665	0.949	-0.3375
-0.921	1.1575	0.435	0.4235
-0.0035	-1.604	-0.958	-2.315
-0.6685	-2.0075	-1.438	-3.039
-0.8165	1.652	0.423	0.542
-0.9515	-0.3005	-0.082	-1.491
-1.464	-0.8685	-0.873	-2.3655
-1.421	-0.97	-0.669	-2.413
-0.264	0.712	0.169	-1.023
-0.354	0.828	0.497	-0.0165
-0.306	-1.072	-0.276	-0.513
-2.727	-3.1235	-0.456	-1.2175
0.364	0.0845	-2.381	-0.1355
0.238	-0.332	-0.657	-1.132
-1.621	1.7285	0.34	-0.2345
-0.3045	1.0635	0.546	3.096
0.04	-1.015	-1.226	-1.1525
-0.872	0.642	-1.036	-1.5495
0.1065	-0.913	1.782	-0.46
-0.0175	-0.353	-0.089	0.5265
1.945	2.8015	1.544	2.6545
-1.524	0.602	-1.29	-1.1545
-0.8735	0.027	-1.251	-0.01
-3.334	-1.5585	0.514	1.554
1.023	1.062	0.132	-0.3555
-0.4035	0.139	0.498	0.4325
0.304	-0.0935	0.595	-0.7265
0.693	0.9655	0.662	0.7705
0.2075	0.2255	0.182	0.417
0.302	0.882	0.67	0.7495
0.0941	4.8515	2.596	3.2165
0.958	0.2515	1.748	2.5535
-1.968	-0.437	0.298	-1.3425
-0.701	-1.3765	-1.081	-2.2975
-0.898	0.6165	-0.209	-0.882
-0.576	1.8525	2.88	1.53
-2.106	2.1845	0.138	2.4485
-3.392	2.701	1.543	3.3105
0.395	0.2735	-0.228	0.3885
3.9	-2.72	-3.005	-2.5685
-0.566	-0.0145	-0.116	-0.424
-0.204	-0.8545	-0.704	0.496
-0.02	0.211	-0.79	-0.7755
1.34	1.176	-2.197	1.535
-0.202	-1.27	-0.259	-0.883
0.08	-0.2765	0.089	-0.455
1.936	-0.823	-0.258	-1.2165
0.095	-0.5125	-0.638	-0.0615
-0.2075	0.3275	-0.149	0.4615
-0.345	0.451	0.124	-0.2044
0.591	0.039	-1.193	-0.4045
-0.092	0.139	-1.183	3.671
-0.462	-1.058	-0.779	-0.059
-0.044	-0.224	-0.378	-0.6265
-0.8995	1.207	-0.813	-0.6985
0.467	0.287	-1.328	-1.3715
0.719	1.232	0.107	-0.8745
-2.762	-1.81	0.074	-1.818
-0.679	-0.067	0.348	0.2415
-0.0975	-0.125	0.76	0.659
-0.098	-0.2345	-0.122	-0.2375
0.9785	-0.08	-0.322	0.4685

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.195	-2.417	-1.009
-0.1075	0.1415	0.117	0.099
0.32	-0.1655	0.276	1.5745
0.375	-0.879	-0.885	-0.941
-0.343	-0.7915	-0.65	-0.945
0.1085	-0.127	-0.037	-0.0165
0.9565	-1.397	-0.141	3.765
-1.345	0.0195	0.408	0.3875
0.1105	0.1705	-0.462	-0.63
0.22	0.168	-0.434	-0.373
-0.913	-0.3035	0.272	2.414
0.3345	1.497	0.084	1.863
-0.993	-1.7815	2.944	-2.5135
1.06	-0.1395	0.909	1.77
1.301	0.058	0.136	0.8715
-1.24	-1.4905	-2.4	-1.48
-0.043	1.0625	1.494	3.027
-0.361	-0.633	-0.305	-0.254
1.149	-0.0155	0.02	-0.129
0.5885	-0.6405	-0.736	-1.3725
-0.4495	-1.2285	0.031	-0.7585
-1.866	-1.7125	-0.722	-0.3525
-0.152	0.0595	0.276	0.5095
0.372	0.3625	0.831	0.574
-0.3165	0.0495	1.087	-1.129
-1.802	3.0385	4.269	2.2935
0.6285	0.6915	1.568	-1.153
-0.4657	4.266	3.839	-2.1665
-0.571	0.363	-0.508	0.8255
0.36	0.497	0.429	-0.457
0.8485	-1.7985	-4.104	-2.7145
-0.114	-0.1185	-0.296	-0.589
-0.577	2.3735	1.6	1.6125
-3.524	-0.668	-0.876	-2.4285
0.6085	3.4205	2.738	1.37
0.054	-0.111	-0.946	-0.4385
1.517	3.6885	1.7	2.5665
2.521	5.5665	4.36	5.5545
-0.6105	0.2905	0.361	-0.163
0.9885	-0.78	-1.917	1.54
0.519	0.422	3.036	1.6335
-0.195	-0.1385	0.723	-0.067
0.7075	2.2215	0.843	1.1445
0.494	-0.8935	0.552	2.24
1.3	0.084	0.425	0.3815
3.03	2.1005	-0.022	2.3625
1.18	-3.612	-3.176	-1.856
0.7755	-0.873	-0.568	-0.536
2.313	0.033	0.267	2.293
3.171	0.1115	0.035	3.0525
0.617	-0.4355	-0.288	0.794
-1.054	-0.8135	-0.643	-0.6945
0.4815	0.8605	0.135	0.417
-0.4575	1.629	2.309	0.0435
-0.755	0.134	0.421	-0.764
-1.408	-0.431	-0.679	-1.213
-0.457	-0.274	-0.744	-0.8945
0.1695	0.232	-0.447	1.5075
-0.406	-0.8355	-0.377	0.023
-0.7805	-0.8835	-0.263	-0.2755
-0.412	0.66	-0.623	-0.9925
1.626	3.4315	1.017	1.746
-0.437	1.326	0.755	2.141
0.31	-0.943	-1.472	-1.5895
2.3	-1.1825	-1.553	-1.315
1.112	0.2385	-0.622	-0.0625
-0.003	2.26	1.116	2.027
0.288	1.262	-0.328	0.571
1.646	-0.036	-0.234	0.0765
0.45	-0.5915	0.118	-0.1505
0.72	3.3175	0.68	0.656
-0.8905	0.3025	-0.794	-0.785
-0.6625	-0.652	-0.645	-1.1985
-0.542	1.2025	-0.111	0.0965
0.194	0.149	-0.234	0.3625
-0.436	-0.8835	-0.527	-0.305
0.2015	-0.311	0.202	-0.1985
-0.036	0.8115	-0.066	0.4745
0.273	-0.8705	-1.132	-1.035
-0.6257	0.706	0.119	1.9085
0.096	-5.557	-4.343	-4.6435
2.254	-4.279	-2.188	2.7735
0.033	0.5705	0.636	3.1925
2.732	0.4465	-0.089	0.3945
0.697	-2.23	-2.726	0.926
-0.0205	0.5885	1.324	-0.7845
3.531	2.487	-0.575	4.2555

Table 19.

U566	U567	U571	U579
1.258	-2.195	-2.417	-1.009
0.011	-0.1015	-0.365	-0.2375
0.53	-0.082	0.296	-0.2565
-0.362	0.077	-0.8	-0.657
-0.1605	-0.41	0.256	-0.405
1.059	0.3665	0.588	1.4715
0.0005	-0.3235	-0.156	0.7935
-0.8157	-0.291	-0.471	-0.03
0.023	0.0865	0.67	-0.266
0.2435	0.5205	-1.574	3.0035
-0.361	1.007	-0.051	0.1825
-0.1285	-0.547	1.549	1.3415
-1.337	0.1675	0.073	0.5315
-1.186	0.014	-0.498	1.22
2.108	-1.563	-2.78	3.224
-0.048	0.857	-0.4	-0.244
-1.805	-0.884	-0.111	-1.772
0.193	0.769	0.328	-0.1146
0.617	0.0935	-1.093	-0.27
-0.788	0.274	-0.44	-0.547
0.1137	0.395	0.207	0.2005
3.148	2.7195	1.277	2.262
1.186	1.3185	-0.781	2.707
1.121	0.105	-0.616	0.6415
-0.674	-0.552	-0.74	0.103
0.698	-0.1669	2.445	1.319
-0.598	-0.466	-0.73	-0.196
-0.63	-0.173	-0.223	0.322
0.4235	-1.7485	-1.033	-1.6895
-0.286	-0.4285	0.803	-0.0485
0.665	0.981	0.176	0.5875
-0.853	4.7405	3.037	3.714
-0.008	-0.0805	0.441	0.508
0.237	-0.5	0.481	0.9265
-0.8225	0.16	0.621	0.8115
0.228	0.044	0.151	1.2765
0.8535	1.4705	-0.444	1.491
0.351	0.7235	-1.658	0.561
0.4075	-1.0285	-1.445	0.2645
-0.326	-1.8955	-2.133	-1.351
1.489	-1.2625	-0.659	-1.427
0.317	0.074	-0.454	-0.5385
0.0723	2.5835	1.048	1.6505
0.463	0.6945	0.291	0.28
-0.286	-0.2555	-0.167	1.295
0.97	0.0095	0.041	0.4915
-0.823	-0.924	2.434	-0.707
1.04	0.5935	-0.145	0.457
0.1495	-0.772	-0.291	-0.1545
0.197	-0.7045	0.244	-1.269
2.719	0.3295	0.446	-1.305
0.219	3.605	-0.129	0.376
-0.431	-0.344	-0.901	-0.4445
-1.743	-0.9135	-2.003	0.1985
3.41	-4.2305	-4.225	-2.1255
-1.506	1.8	1.7	1.584
0.089	0.787	0.577	-1.3745
-0.7692	-0.7985	-0.41	1.8715
0.605	0.1055	-0.178	-1.836
0.389	-1.1115	-0.067	-0.157
0.4925	1.291	1.46	-0.4795
1.016	-0.2855	-0.944	0.4245
-0.1545	2.534	2.661	-0.584
1.065	1.582	0.003	1.03
0.193	-0.6865	0.626	0.159
0.004	2.016	0.741	-1.597
-0.134	-0.3395	0.082	0.168
3.383	3.1745	0.252	-0.377
2.735	1.4945	1.155	2.73
0.14	-0.0755	-1.016	3.147
1.177	0.379	0.103	-1.1245
-3.216	-1.122	-1.598	-1.067
-0.874	-0.95	-1.045	-2.0735
1.827	-0.206	-1.004	-0.5125
-0.125	0.0325	-0.39	1.9315
1.485	0.049	-1.091	-0.845
0.29	-2.118	-1.252	1.506
-1.049	-2.305	-1.048	0.638
-1.853	-0.0635	-0.416	-2.2145
-0.37	-1.0095	-0.61	-0.7835
1.072	-1.232	-0.267	-1.177
-0.459	2.8805	3.832	2.021
0.5005	0.903	0.606	0.714
0.1365	-0.952	0.164	0.311
0.2135	0.0965	-0.066	0.7875
-0.5405	0.659	0.16	-0.8175
			0.6445

Table 19.

U866	U667	U871	U879
1.258	-2.195	-2.417	-1.009
-0.1105	-0.684	-0.587	0.291
-0.2485	-0.083	0.3	1.19
-0.1665	0.788	-0.321	-0.412
0.353	-0.154	0.788	0.459
-0.393	0.6605	0.177	-0.995
0.6925	1.521	-0.242	0.3175
-0.966	-0.701	-0.54	0.809
0.281	-0.237	-0.127	0.9805
-0.788	0.283	1.671	-1.5575
0.654	-0.264	-1.174	1.3395
0.1165	1.6435	1.832	1.087
0.178	-1.7625	-1.344	0.3855
-0.7413	-0.1455	0.13	0.7565
0.783	0.478	0.62	3.377
-0.519	1.4335	-0.077	0.8025
-0.125	-0.505	0.737	-1.6875
-0.162	0.761	0.045	-1.3295
-0.2828	-0.2715	0.414	0.621
-0.191	0.313	0.497	0.9105
-1.486	-0.127	-1.14	-1.3275
-0.422	1.8345	-1.245	-0.5285
-1.27	0.6325	-0.311	2.0815
-0.142	0.8035	0.287	-0.13
-0.194	-0.331	1.194	1.256
-0.232	-2.447	-1.959	-0.893
-0.474	0.4985	0.616	-1.42
-1.432	-0.7925	-0.549	-0.8535
1.523	1.0445	1.472	1.5155
-0.563	-0.5215	0.113	-0.5935
0.178	0.2515	0.681	0.4705
0.724	1.6955	0.367	0.093
0.9095	-1.145	-1.157	-1.7725
-0.0995	-0.218	-0.133	-0.884
0.4675	-0.072	-0.286	-0.4725
-0.843	0.321	0.957	-0.7215
0.208	-0.102	1.15	0.5075
-0.1285	-0.471	-0.444	-1.663
2.003	-0.969	-0.703	-1.725
0.282	1.1995	-0.583	0.069
-1.537	-0.303	-0.174	-1.7355
-0.14	-0.4285	-0.365	0.8145
-0.41	0.041	-0.252	-0.0495
0.671	-0.2025	0.153	-0.4175
-1.347	-1.228	-0.929	-2.37
2.231	2.961	1.378	2.4275
-1.607	-0.0935	0.635	-0.2805
0.0385	0.7195	0.139	2.534
0.432	-0.149	-0.025	0.4985
0.6605	0.2235	0.548	0.4185
0.228	0.6265	0.301	2.9505
0.59	0.25	-0.454	0.76
2.206	-0.4335	-0.431	-1.23
3.527	-2.553	-3.169	3.557
1.702	-0.966	-0.492	-0.8135
1.716	-0.999	-0.257	-0.8245
1.185	-0.845	-0.259	-0.0995
-0.656	0.3805	-0.407	-0.098
0.358	-0.0515	-0.016	-0.223
1.671	1.447	-1.669	-1.119
0.076	0.4945	-0.16	-1.669
0.2605	0.397	0.297	-0.652
0.8837	-0.6425	-0.972	-0.6805
-0.381	-0.897	1.307	0.19
-0.57	-0.5305	2.258	-0.4535
1.492	0.04	-1.616	1.7205
-0.69	-0.8025	-1.432	-1.235
-1.114	-0.1995	-0.662	-0.601
-0.6585	0.9565	-0.441	3.8875
0.0225	-4.6635	-4.29	-3.513
-0.611	-0.133	0.154	-0.53
0.3275	0.9065	-0.738	0.3805
-1.072	-0.812	-0.177	0.001
0.577	-0.625	-1.202	-1.337
-0.884	2.112	1.374	-0.016
-0.2385	0.57	-0.075	-1.03
0.359	-0.1105	0	-0.838
-1.037	-0.5005	-0.608	-1.2295
-0.53	-1.034	-1.77	-0.922
0.204	0.2945	-0.25	0.4155
2.669	2.1635	0.961	0.2575
-0.535	0.4705	-1.059	-1.3775
0.0225	-0.2195	-0.162	-1
-0.208	-0.2595	-0.533	-1
-0.3205	-0.9625	-0.647	-0.699
0.512	0.762	0.329	-1.1555
			-0.92

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.195	-2.417	-1.009
-0.159	-0.0935	-0.366	0.0775
-0.176	-0.18	0.199	-0.5065
0.044	-0.242	-0.639	-1.3275
0.0125	0.6385	0.612	-0.687
0.1365	0.1145	-0.206	-0.0855
0.3515	-0.4215	0.353	0.4576
-1.23	0.6445	1.222	1.3035
-0.649	4.5325	-0.392	-0.304
1.709	2.7645	2.565	1.774
0.034	0.9895	0.925	0.275
0.3998	1.3225	0.214	0.2365
0.975	2.561	0.352	1.8775
1.022	-0.052	-0.339	-0.266
-0.507	-0.3225	0.322	2.332
-0.0445	-0.369	-1.545	-2.353
0.144	1.412	1.862	2.4745
1.449	1.5985	2.073	1.783
-0.0505	-0.2825	0.842	2.148
2.5	2.6355	4.269	2.4885
0.981	0.988	2.227	2.311
0.0065	1.5165	2.321	1.6265
0.386	-1.18	0.598	0.409
1.387	1.21	-0.559	-0.3525
-0.1165	-0.112	-0.571	0.0805
-0.128	0.3015	-0.739	-0.2395
1.075	-0.6275	-0.287	0.4105
0.726	0.608	0.533	0.205
-0.447	1.1625	1.963	-0.6745
0.1415	0.3016	0.195	-0.8605
3.198	3.8165	0.625	1.187
0.871	-0.3445	-1.235	-0.3215
-0.444	-0.078	-0.052	0.0025
0.829	2.8695	-0.014	0.28
-0.1045	0.3065	0.258	1.8485
-0.6255	-0.1055	-0.055	-0 068
-0.1545	-0.694	-0.474	-0.3695
0.031	2.467	2.763	2.8755
2.046	0.732	1.355	3.241
-0.0855	-0.8765	-0.64	0.3195
1.271	2.3555	1.02	1.02
0.139	0.0685	0.205	1.213
1.31	0.112	-0.161	0.331
0.407	0.1765	1.185	0.283
0.526	1.1625	-0.947	2.2185
-0.662	0.3355	0.879	-0.8795
0.5825	0.409	-0.046	0.0925
0.9	0.4315	0.633	0.454
-0.017	0.0325	0.613	0.6255
0.3055	-0.4245	-0.857	-0.7945
1.761	2.0545	-0.316	0.9995
0.8855	1.4385	3.093	1.4235
1.039	-0.803	-0.269	0.4745
-0 096	0.1025	-0.016	-0.3115
-0.298	-0.1335	-0.251	-1.0825
-0.3145	-1.658	-1.696	-2.3585
-0.951	0.325	0.45	-0.5605
0.1907	-0.2915	0.78	1.364
-0.5505	0.0555	0.758	0.7425
-0 723	0.665	0.171	-1.14
-0.0505	-0.0215	-0.419	1.066
-0.2865	0.132	0.024	0.3955
-0.934	0.2825	0.402	0.3435
0.618	2.4105	1.053	1.0115
0.7325	1.3465	0.013	-0.3305
-0.5665	-0.0705	0.474	1.115
1.499	0.5785	0.707	0.341
-1 569	0.58	0.671	0.851
-0.4868	-1.812	-1.541	2.0035
-0.435	0.0815	0.057	-0.6605
-0.1715	-0.0135	0.139	0.3075
0.626	0.993	0.468	3.0465
0.986	-0.643	-0.316	-0.061
-0.502	-0.0655	0.256	0.2105
-0.275	-0.062	-0.042	0.9035
-0.464	2.8445	1.863	0.5285
-0.133	3.849	1.878	0.8505
-0.8157	2.9415	4.429	-0.6495
0.03	0.51	3.39	0.09
-1.38	2.3225	4.097	0 179
-2.036	0.104	-0.236	-2.1005
-0.2175	-0.759	-1.529	-2.13
2.294	-1.326	1.89	1.8555
-0.657	-0.6555	2.257	-0.322
-0.197	0.1725	0.083	0.293
-0.487	0.3015	-0.352	-0.1935
-1.422	-1.289	1.736	-0.366

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.165	-2.417	-1.009
0.563	-2.956	-3.87	-0.348
0.093	4.7285	2.689	-1.515
0.008	2.1405	3.975	2.039
0.0635	0.281	-0.025	0.5405
-0.3995	-0.3196	0.035	0.544
0.3635	-0.8765	-0.98	-0.1835
-2.289	-1.8425	-2.52	-0.903
-0.073	-0.087	-0.298	-0.472
0.0245	1.2265	2.086	1.8925
-0.3573	-0.853	0.384	-1.3695
-1.686	2.686	-1.117	0.822
0.4695	-1.852	-3.066	-2.9065
0.684	0.019	0.392	-1.0545
0.583	-1.0995	-0.706	0.256
0.3245	0.6075	0.447	3.0075
-1.149	0.944	-0.545	1.665
0.695	-0.338	-0.046	-0.3995
-0.7761	0.3245	-0.172	-1.44
2.541	-0.9975	-0.134	-1.949
0.333	0.0915	-0.2	-0.4125
-0.503	-0.2495	-0.564	-1.283
-0.4235	-0.768	-0.69	-0.5655
2.482	0.888	0.253	0.182
0.036	-3.334	-1.825	-2.441
2.676	0.912	-1.122	2.8355
-0.2845	0.1275	0.216	1.0495
1.098	-1.9835	-0.92	1.7415
2.108	-0.478	-0.217	0.1575
1.465	-1.0465	-1.58	1.9725
0.6025	1.3315	-3.584	-3.1905
0.071	0.0585	-0.438	-0.022
0.0455	-0.938	-1.324	2.483
0.349	0.541	0.356	1.1935
0.835	-0.523	-2.5	-2.625
-2.092	-1.5505	-1.25	-2.2795
1.184	0.1935	-0.992	2.281
0.107	-0.153	-1.092	0.0355
0.463	0.0205	0.278	0.492
0.1295	0.513	-0.024	-0.1725
-1.202	-1.3755	-1.091	-1.338
0.9525	-0.616	-0.595	0.258
0.7955	-0.077	0.169	0.4985
0.03	-0.072	-0.115	-0.495
1.039	0.4685	-0.557	-0.535
2.739	0.688	0.651	1.389
-0.6915	-0.695	0.762	-0.07
0.642	1.0335	-1.075	-2.235
-0.3255	0.0665	-0.432	0.3705
1.189	-0.28	0.326	1.792
-0.159	0.441	-0.439	1.742
0.038	0.077	-0.468	-0.564
1.807	4.67	3.508	4.879
-0.866	0.636	3.503	0.036
0.01	2.566	0.723	0.8075
0.499	-1.0935	-1.49	-2.8115
0.2155	-0.1675	-0.492	0.72
0.289	-0.351	-0.944	-0.473
-4.079	-1.3735	-0.865	-3.599
-0.9985	-0.3475	0.161	1.9845
-0.3155	-0.5035	0.512	-3.3345
-0.3595	0.0905	-0.483	-1.775
0.3935	0.951	0.794	-1.4265
2.101	0.4605	-0.134	0.255
-0.715	0.1635	1.138	-1.8505
-0.776	-0.635	1.345	1.3945
2.509	1.081	0.705	2.3455
-0.8145	2.709	2.942	0.4775
-0.5041	0.227	-1.095	-0.0345
1.3	-1.158	-0.765	-0.5155
-0.442	-0.046	-0.918	-0.685
-1.425	-0.831	-1.255	-0.568
-1.214	-0.5545	-0.227	2.1375
-0.0065	-1.446	-0.839	1.8125
-0.8395	1.575	0.88	-0.4155
0.173	0.48	0.551	-0.511
-0.6095	-0.2205	0.738	0.1105
-0.8335	-0.519	0.657	0.5235
-0.9445	1.33	1.338	0.9555
-0.4765	-0.005	-1.07	1.1405
-0.904	-0.401	-0.551	-0.7335
-0.165	0.8635	-0.163	-0.578
-0.5345	-0.718	-0.07	-1.335
0.034	-0.7115	0.093	0.485
-0.027	0.134	-0.331	0.372
3.259	-0.9415	-1.465	-2.164

Tabla 19.

U566	U567	U571	U579
1.258	-2.195	-2.417	-1.009
-0.1613	2.0085	1.246	1.1705
-1.159	-0.3515	-0.301	1.4325
-0.866	1.3115	-0.331	-0.839
-0.353	1.7895	0.567	0.256
0.491	-0.1295	-0.722	-0.011
-1.213	-0.7205	-1.012	-1.514
-0.4233	1.7925	1.293	1.032
-0.054	0.047	-0.192	0.8935
0.706	0.47	0.49	0.4512
-0.544	-0.233	0.269	0.4725
0.186	-0.004	0.436	0.051
-0.068	0.204	0.527	0.109
-0.758	-0.2845	0.248	0.055
0.446	2.029	1.178	0.817
-0.694	-0.309	-0.638	-0.39
-0.436	0.8935	1.6	0.838
1.311	1.5925	1.822	0.4675
-0.421	-1.2225	-0.559	1.008
-0.535	-0.9395	-0.56	1.98
2.581	2.1205	1.788	1.685
-0.8665	1.128	2.783	-0.3285
-0.955	-0.6315	0.614	0.1235
-0.7945	-0.2655	-0.971	-2.031
-0.794	1.8775	1.656	0.571
-0.3965	-0.9315	0.023	-0.012
0.183	-0.06	-0.438	-0.0455
-0.066	0.6225	0.593	-0.4735
1.513	-0.4105	-0.034	-0.1295
-0.2438	-1.701	0.858	-0.458
1.37	-0.422	-1.516	-0.4635
-0.1615	2.502	0.109	-0.232
0.303	2.1445	1.389	0.6245
0.729	-0.0995	-0.339	1.3435
-2.24	0.6455	0.073	0.453
0.0615	1.195	0.401	2.3715
-1.765	1.4065	-1.563	0.7705
-0.177	-0.041	-0.555	-0.9295
0.143	1.1765	1.788	2.1585
-0.799	-1.391	-1.722	-3.3815
0.592	1.2765	0.563	0.784
-0.5895	-0.2735	-0.375	0.4225
0.01	0.318	0.455	0.0915
0.144	-0.1415	-0.484	-0.742
0.414	1.103	0.037	0.1505
-0.202	-0.012	0.105	-0.4465
-0.287	0.6415	1.353	0.6105
1.701	1.355	-0.398	1.0185
-0.356	-1.3955	1.641	-0.755
-2.394	-0.5405	4.641	-1.615
-0.23	0.3276	-0.49	-0.5055
-0.04	-0.5665	-0.084	-0.5955
-0.3825	-0.032	-0.773	0.393
0.678	0.638	-0.337	-0.22
-0.502	-0.4075	-0.153	0.0885
-0.3765	-0.295	0.828	2.907
0.385	1.0005	-1.014	-0.817
0.4585	0.499	0.665	0.9935
-0.251	-0.6705	0.695	0.2265
-0.711	-0.4795	0.092	1.104
-0.965	-0.3795	-0.245	-1.2065
-1.764	-0.228	0.821	-0.3405
-0.4595	1.595	-0.222	-1.119
-0.4247	1.49	-1.284	-0.13
-0.802	0.2585	0.331	1.1605
0.026	0.3105	0.097	-0.506
-0.216	1.1645	0.096	0.46
-0.304	-1.255	0.578	-0.4075
0.168	0.425	-0.545	-1.055
0.1005	0.3265	-0.148	1.9475
-1.154	1.3405	0.493	-0.3065
-0.731	-0.856	-0.984	-0.26
-0.8455	-0.076	0.76	0.2715
1.08	0.3945	-0.025	-0.4075
-0.2115	-0.4985	-0.774	0.038
-0.195	-0.642	-0.723	-1.197
0.4685	0.1955	0.313	0.082
0.117	0.8885	-0.063	1.51
0.433	-0.1065	-0.068	-0.5465
0.33	0.646	-2.192	2.1455
-0.3995	1.0335	0.181	0.402
-1.631	-0.8755	-0.144	-1.3265
-0.316	0.117	0.235	0.4495
-1.471	1.0385	1.975	-1.554
-0.004	0.481	0.237	0.822
1.311	0.2855	-0.007	1.2705

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.195	-2.417	-1.009
0.572	0.4295	0.111	0.99
4.52	0.719	-2.251	0.341
-0.0195	-0.1895	0.256	0.618
-1.438	-0.548	-0.556	-1.1075
-0.083	1.46	1.172	0.0315
0.8365	-0.4535	0.149	1.288
0.7145	-1.4375	-1.471	-2.1625
1.757	0.633	3.076	2.4715
-0.896	-0.5895	0.277	0.3185
1.908	1.192	2.673	2.706
3.156	1.417	3.53	3.3665
2.929	1.1695	2.965	2.9035
0.4753	0.89	0.329	-0.259
1.185	-0.0365	-0.68	-0.097
-0.362	0.8215	0.453	0.323
0.45	3.96	1.843	1.557
0.062	-1.1775	-1.091	-2.0165
-0.094	0.228	0.053	-0.0525
0.168	0.3715	0.057	1.5395
0.277	-0.8805	-0.761	-1.2225
-0.0815	-0.2805	-0.462	0.8895
2.058	-1.4345	-2.365	-2.112
-2.19	0.969	-2.377	-0.066
1.122	0.2565	-0.497	-0.0085
-1.697	1.7455	-0.009	-1.3395
0.1417	2.749	-0.233	-1.4495
0.1412	0.152	-0.033	-1.3565
-0.9215	0.4795	-0.543	-0.13
-2.269	3.0925	-0.52	-3.312
1.815	4.688	3.458	2.1755
0.813	-1.33	-1.42	-0.9095
-0.243	-0.2515	-0.456	-0.2435
-0.573	0.4975	0.84	-0.513
-0.456	-0.6715	-0.282	-0.329
0.001	-1.203	-0.573	-0.301
0.7415	1.975	0.624	1.911
0.5355	-0.5515	-0.347	-0.298
-0.5425	-0.9335	-0.939	-0.0075
0.1605	-0.371	-0.034	-0.564
0.5625	0.495	-0.226	-0.4055
-0.304	-0.6245	-0.689	-0.8155
2.553	3.935	2.905	3.903
-0.141	-0.137	0.14	-0.3305
-1.406	-0.4135	-0.638	-1.1045
0.528	-0.2755	0.42	-0.2945
-0.875	-0.226	0.222	-0.57
-0.201	1.2845	1.002	1.9335
0.231	-0.668	-0.394	-1.0595
-0.238	-0.2065	-0.384	-0.411
-2.136	-1.1075	-0.699	-0.8695
0.42	-0.9015	-0.107	0.088
0.042	-0.9015	-0.107	0.088
1.609	1.324	0.729	0.4895
-0.37	-0.1905	-0.834	0.0695
-0.951	-1.1525	-0.538	-1.3275
-0.748	1.5435	-0.227	0.7755
0.1685	0.553	-0.342	2.87
-0.576	2.429	-0.058	0.533
-0.176	0.3565	0.238	1.584
0.272	0.006	0.534	-0.316
0.259	0.4035	0.48	0.491
0.045	1.9255	-1.463	-1.3115
-1.639	-0.703	-0.133	-1.414
-0.0955	0.6365	-1.125	-2.269
-0.1635	-0.388	-2.878	0.951
0.315	1.9	0.551	0.899
0.667	-1.0995	0.294	-1.0316
-0.192	0.5165	0.208	0.5725
-0.562	-0.3095	-1.056	-0.281
-0.6235	-0.0825	0.02	1.1945
-0.373	2.299	-0.294	0.411
-0.0925	-0.519	0.651	-1.1775
-0.9455	-0.094	-0.129	1.065
0.3825	0.7435	-0.567	0.2465
-0.587	1.2565	1.39	1.549
0.33	-0.4065	-0.25	0.702
0.16	-0.847	0.433	-0.0155
-0.137	2.19	0.238	0.243
-0.0905	0.4405	-0.128	0.225
0.9055	-0.0755	0.201	-0.388
0.7085	-0.3575	-0.542	-0.4595
0.251	-0.78	-0.614	0.513
-0.1055	1.685	0.012	0.3955
-2.388	-1.259	0.014	-1.847
-0.389	1.142	0.39	-1.4975
1.483	0.5235	0.645	4.0945

Table 19.

U566	U567	U571	U579
1.258	-2.195	-2.417	-1.009
0.7595	1.628	0.078	1.165
-0.3715	1.1205	0.609	-1.473
2.021	2.125	2.599	1.796
0.511	-0.198	-0.858	-0.511
0.2485	0.112	-0.094	-0.0365
0.477	0.5005	0.521	0.1185
0.003	-0.0515	0.17	-0.2125
0.3175	-1.2195	-1.236	-1.1325
0.132	-0.882	-1.262	-1.0965
-0.3655	-0.486	-1.257	1.417
0.543	1.116	2.047	0.5715
0.885	2.688	0.632	0.6975
0.1605	-0.1645	-0.388	-1.3355
0.424	-0.1305	-0.443	-0.5205
-1.211	1.7855	0.031	-0.8095
1.451	-0.782	-1.563	-1.64
0.0395	-0.8655	-0.783	0.04
0.3865	0.596	1.93	1.2465
-1.34	2.081	3.109	4.1745
0.318	0.1065	-0.27	-2.0265
-0.5345	2.564	-1.453	1.0265
0.451	1.2685	0.459	0.5
-0.534	-1.165	-0.432	-0.7717
3.006	-2.545	-2.767	3.398
0.298	2.1935	0.347	0.312
2.305	-0.221	-0.246	-0.85
-0.8415	-0.115	0.248	0.621
-0.447	0.858	0.056	0.285
-1.114	0.396	-1.009	0.442
0.189	1.272	0.29	0.1725
0.4685	-2.85	-3.856	-0.3105
-0.363	-0.787	-0.321	1.1915
-0.8815	1.223	-0.243	2.599
0.842	0.1285	-0.53	-0.588
-0.1745	0.1075	0.075	-0.3015
1.722	-0.412	1.199	-1.084
-0.137	0.151	0.383	1.07
-0.638	2.4305	0.714	0.8535
-0.365	-0.1915	-0.584	-0.104
1.81	-0.891	-1.039	-1.2915
0.756	-0.231	-0.468	0.595
-0.188	0.4455	0.004	-0.7715
1.974	-1.0885	-0.287	-1.2485
-1.055	-0.021	1.425	-0.021
0.7575	-1.0055	-0.823	-0.8995
0.0695	1.4015	1.499	2.1155
1.922	-1.0445	0.478	-1.4005
2.57	-1.677	-1.265	-1.401
2.832	-1.102	-0.795	-1.2125
0.561	-0.38	-0.136	1.065
1.611	0.9335	-0.473	-0.795
2.451	-0.283	-1.294	-0.4105
0.9285	-0.9035	-0.088	-1.169
2.893	-0.561	-0.277	-1.3155
0.297	0.3685	-0.317	-0.1895
-0.82	-0.1305	0.028	0.083
-0.084	0.191	0.109	-0.0055
0.6265	0.6055	1.123	2.158
1.749	-0.938	-0.474	-1.3355
0.351	0.996	0.657	2.0075
-0.3595	0.3165	0.645	0.724
-0.5885	0.048	-0.128	0.3665
1.053	0.516	0.041	0.6575
-0.043	-0.618	-0.492	-1.132
0.157	0.271	0.392	-0.4585
0.328	-1.921	-0.653	0.0895
-0.143	-1.507	-1.975	0.9105
0.643	-1.639	3.097	3.738
0.478	-1.005	0.074	1.165
1.973	0.0225	-0.458	1.8695
0.271	1.239	-0.53	-0.0535
-1.754	1.439	0.273	0.478
5.653	0.995	-0.014	6.7965
0.5155	2.866	0.224	-0.064
0.097	1.3495	0.283	-0.1625
-0.567	0.3145	-0.441	-0.0895
1.029	1.419	0.786	0.7795
-0.244	-0.2105	-0.878	0.249
1.673	-1.84	-1.494	-1.762
1.945	0.391	-0.158	2.7375
1.087	-0.291	-0.662	0.7485
-0.4725	-0.692	-0.003	0.0985
0.186	0.1755	0.302	0.059
1.923	-0.7565	-0.412	-0.782
-0.088	0.22	-0.254	-0.667
0.4345	-0.515	-0.773	1.934

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.195	-2.417	-1.009
0.995	-0.972	-1.166	-0.2055
1.012	-1.806	-1.99	-0.748
0.699	0.9385	1.646	1.6265
0.0355	0.633	0.097	0.6395
0.2833	0.3555	0.196	0.8335
2.76	0.4685	-2.39	0.0045
0.8005	-1.4525	-1.406	1.38
-0.155	0.271	0.584	-1.663
1.246	-0.738	-0.104	-0.811
0.761	2.454	1.017	-1.0235
-0.316	-0.123	-1.179	0.0055
-0.57	1.6445	0.247	0.087
-0.026	-0.428	1.601	3.186
-0.479	0.1405	0.65	0.7615
-0.7355	-0.0385	0.44	0.162
-0.6402	0.473	-2.059	-0.552
-0.747	-0.8976	-0.631	-0.9005
-0.366	1.268	1.22	1.899
-1.09	-1.0755	-0.983	-0.3155
-1.901	-2.4025	-0.607	-0.1685
-0.4245	0.735	0.457	0.5815
0.0345	0.1885	0.084	-0.277
-0.2845	0.6705	0.338	-0.774
0.672	-0.075	0.157	0.8995
-0.2665	0.502	-0.57	-0.0475
1.575	0.339	1.052	0.7435
0.5452	3.0325	0.666	-0.209
-0.704	0.554	0.334	0.394
-0.7995	0.9455	0.351	-0.7255
0.592	0.3605	-0.054	0.2285
-1.078	2.406	1.319	-1.9005
0.6255	0.0885	-0.046	-0.21
-1.259	0.0475	1.05	0.1575
-0.59	1.518	1.127	1.5775
0.239	0.236	0.257	-0.6655
-0.073	-0.3345	-0.303	-0.52
0.494	1.402	-0.334	-1.412
-0.1	-0.2335	-0.626	-0.202
-0.0555	-2.3995	-1.165	-1.875
1.343	0.1825	-0.093	-0.465
0.503	-0.5685	-1.992	-0.6655
-0.7745	-1.8285	-4.055	-1.7385
-0.2228	0.2635	0.346	0.7735
-3.437	0.582	2.312	-0.911
-0.2625	0.3335	0.287	0.749
0.806	0.4435	0.792	0.722
-0.088	0.735	0.005	-0.682
-0.2225	1.761	-0.672	0.038
0.442	-0.279	-0.301	-0.716
-0.205	-0.267	-0.528	-0.816
-1.569	-0.085	-0.173	-1.8535
0.124	1.1245	-0.121	-0.1365
-0.314	0.3865	0.435	3.1165
0.3845	-0.2135	-0.08	0.8155
3.202	-0.374	-0.504	-1.2585
0.79	-0.0415	-0.256	0.114
-0.09	0.1555	-0.656	0.0635
2.683	-0.612	-2.409	-0.769
-1.308	-0.9015	-0.569	-0.6075
-1.091	-2.362	-0.516	-1.345
-3.616	-1.3425	-1.521	-0.8555
-3.005	-1.207	-0.636	1.113
1.524	3.2655	4.402	4.037
-0.0295	0.335	0.581	-0.631
0.0185	-0.366	-1.717	-2.117
-0.25	1.254	0.219	-0.6985
1.212	0.3175	-0.289	0.266
-0.0675	0.699	-0.106	0.2735
0.212	-0.059	0.186	0.533
-0.339	-0.98	-0.269	-1.2715
1.53	-0.0085	-0.491	-0.7845
-0.8165	1.8935	0.652	0.8695
0.672	0.717	-0.035	-0.4355
-0.1955	0.024	-0.181	-0.1725
1.539	1.002	1.155	1.201
0.0485	1.025	0.073	0.459
-1.102	1.4085	2.009	0.716
0.064	0.2845	-0.039	0.5955
0.2565	-0.3575	-0.529	-0.0865
-0.327	0.164	0.191	-0.502
-0.988	-0.8975	-1.212	-0.9825
-0.158	0.182	-0.45	0.1875
0.456	-0.192	1.703	2.505
0.9445	-2.8085	-3.064	-0.213
-0.3875	-0.02	-0.312	-0.164
0.3985	-1.828	-0.548	-0.751

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.105	-2.417	-1.009
-0.6015	-0.617	-4.209	-3.3
-0.5555	-0.9515	-0.47	-0.535
-0.069	-0.2235	0.094	-1.5255
-0.255	-0.163	0.082	0.013
-2.212	0.034	-0.228	-0.467
-0.0498	-0.403	0.399	-0.51
0.278	-0.3295	-0.151	0.0455
-1.548	-1.0765	-0.132	-0.718
-0.843	0.975	0.285	0.1905
-1.333	0.1545	-0.262	-1.92
0.157	0.767	0.912	0.7205
0.539	0.842	0.532	-0.5215
-0.1215	-0.0465	-1.146	-0.616
-1.383	1.5555	-0.623	-1.157
1.286	1.0675	-0.628	-1.1715
1.895	-0.7475	-0.694	-1.412
0.7325	-0.573	-0.546	-1.187
-1.295	-0.134	0.158	0.125
-0.3065	-0.3555	-0.93	-0.444
-0.036	-0.6375	-0.22	-0.9395
-0.569	0.6055	-0.874	0.161
-0.55	-0.0435	-1.151	-1.4135
-0.615	1.272	0.689	0.943
0.139	0.113	0.517	0.871
0.9375	0.016	-0.482	0.062
-3.518	1.5575	0.4	0.582
-1.604	0.0505	-4.017	0.633
-0.37	-0.0375	0.071	2.514
-0.378	0.6635	0.945	1.0705
-0.2245	0.5865	0.598	0.614
-0.864	1.546	1.2	1.0445
-0.2045	-0.757	-0.578	4.301
0.112	0.007	0.056	0.278
0.648	0.528	-0.88	-0.505
0.302	-1.231	-0.767	-1.8945
-1.568	-0.063	0.159	-0.6025
0.126	-0.6125	-0.071	-1.632
-0.606	-0.22	0.422	0.1305
0.0765	-0.7335	-3.021	-0.9475
0.506	-0.112	-0.499	-2.267
-0.703	-1.1285	-1.086	-1.009
0.637	-0.3865	-1.178	-1.146
0.579	-0.865	-1.271	-1.561
-0.423	1.1645	0.843	1.1015
-0.2007	0.6735	0.287	0.484
-0.1645	-0.015	-0.92	-1.4005
0.239	-0.257	-0.289	0.47
0.702	0.609	-0.606	-0.0455
0.474	0.725	-0.361	0.2915
0.057	-0.4655	-0.824	0.484
-0.2695	-0.1425	-0.004	-0.185
1.952	0.32	-0.066	0.5295
2.004	1.2525	0.596	1.7725
0.328	1.755	0.495	0.9255
-1.46	-1.8745	-2.395	-2.1025
0.42	-0.395	-4.104	0.619
-3.66	-0.699	-4.155	-1.655
0.268	-1.9445	-0.974	0.5775
0.8095	-0.6555	-0.498	0.5745
-1.228	-1.066	-1.347	-1.872
-2.1	-1.1515	-0.051	-1.493
-1.818	-0.8285	-1.606	-1.359
1.029	3.684	3.107	2.519
-0.603	0.1525	-0.55	1.2495
1.222	-0.961	-0.415	-1.1035
0.1985	0.025	0.063	-0.936
-0.016	-0.068	-0.037	-0.467
0.171	1.243	0.515	0.8075
-0.076	-1.238	0.024	-1.8455
0.8365	-0.558	-0.621	0.03
0.237	0.4055	0.225	0.185
-0.356	3.1915	1.368	1.5945
-0.4095	0.351	-0.18	0.248
-0.5988	-1.891	-0.137	-3.7605
0.1835	-0.2595	-0.046	1.556
-0.0225	-1.1765	-0.756	-1.344
0.15	2.2665	0.157	0.5825
0.25	0.514	-0.476	-1.006
-0.066	-0.3425	1.165	-0.221
-0.203	-0.296	0.129	-1.6045
-0.052	0.6065	-0.348	-0.9045
3.695	1.05	-0.379	-1.3685
-0.365	-0.395	-0.413	0.382
-0.453	-0.6515	0.677	-0.9615
-0.477	-1.052	-0.404	-0.111
-1.021	1.2655	-0.446	-0.6255

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.195	-2.417	-1.009
0.093	-0.0545	-0.045	-0.2265
3.557	-0.7755	-0.965	-0.0635
0.556	0.661	0.632	0.4875
0.7825	-0.266	-0.874	-0.7085
0.651	-0.309	0.094	-0.2945
-0.0998	-0.698	-0.506	-1.357
0.8065	-1.605	-0.422	-1.117
-0.006	-0.1595	-0.134	-0.238
-0.1995	-0.3885	-0.524	-1.0605
1.07	0.672	-0.839	-0.4355
-0.256	-0.031	-0.346	-0.277
-0.039	-0.7895	-0.478	-1.5515
0.669	-0.8305	-0.629	-0.305
0.569	0.4485	-0.113	-0.073
-2.34	-1.9705	-2.877	-0.377
0.4005	1.131	-0.306	-0.8835
0.308	-0.2955	-0.532	-0.599
0.513	0.276	0.048	0.11
-0.1303	1.1625	0.394	0.49
0.9405	-0.691	0.093	1.292
-3.145	-1.415	-2.52	-2.2255
0.1155	0.7515	-0.025	-0.355
0.185	0.6515	-0.016	1.0175
-0.2135	1.007	0.643	-0.217
-1.624	-0.9095	-0.505	-0.382
-0.167	1.4065	0.878	0.413
0.1305	-0.424	3.412	1.454
0.318	-0.3175	1.727	0.354
0.0027	3.5815	0.998	2.856
-1.174	-0.9585	-0.625	-1.058
0.495	-1.6285	0.224	0.1115
0.073	0.0975	0.08	-0.338
0.624	0.372	-0.334	-0.7245
1.016	2.885	4.379	4.205
2.825	0.5805	0.483	0.44
-1.012	-0.7665	-1.183	-0.726
0.0008	2.223	1.215	0.7945
-1.095	-0.8735	1.378	1.4885
-1.314	1.2115	1.778	1.6215
0.197	1.1795	0.34	0.023
0.129	0.8875	-0.082	-0.076
-0.438	-0.642	-4.316	-2.255
1.208	0.6595	-0.401	-0.3665
-0.447	-0.9935	-0.401	0.333
-0.1475	0.087	1.148	1.613
0.008	1.157	0.418	0.18
0.1683	0.204	0.161	-0.1645
-2.551	-0.7175	-2.65	-0.331
-0.0715	-0.052	0.782	-1.0715
-0.822	2.4295	-1.8	-0.271
0.3185	-0.7575	0.742	0.6175
0.166	-0.4255	-0.535	-1.0785
0.396	0.302	3.594	-2.4045
2.897	1.321	-0.094	-0.5665
-0.4005	-0.0165	-0.148	-0.341
0.088	-0.0185	0.502	0.9815
-0.0725	0.598	0.435	0.5235
-0.453	2.1895	1.028	1.3975
0.1205	-0.6335	-0.556	-0.0285
1.109	-0.3175	-0.404	-0.2385
0.075	0.219	0.107	0.956
1.099	-0.454	-0.979	-1.6235
-0.5965	-0.0785	-0.659	1.0165
-0.47	-0.81	-0.05	1.301
-0.001	0.3665	0.425	0.12
0.0175	-0.4025	-1.765	1.649
0.2975	1.2345	0.292	0.259
-0.013	1.705	-0.227	-0.145
0.7055	-0.089	-1.145	0.9225
0.649	-0.702	-0.587	-2.553
0.7393	-2.376	-1.985	-1.3105
-0.26	-0.6305	-0.846	-0.398
-0.071	0.959	0.153	-0.153
-0.772	-1.0275	0.43	0.543
0.5245	-2.531	-2.535	-1.3725
5.09	2.1575	2.119	2.042
-0.1265	0.0515	0.122	0.242
-1.112	0.026	0.051	-0.471
0.059	-0.5665	-0.511	0.236
-0.6	-1.127	-0.983	1.287
-0.37	-1.0225	-0.685	-1.311
-0.0995	-1.002	-0.244	-0.066
0.599	0.684	0.42	-0.6205
0.187	0.409	-0.203	-1.326
0.014	-0.6295	-0.726	-0.5525

Table 19.

UB66	UB67	UB71	UB79
1.258	-2.195	-2.417	-1.009
-0.0503	-0.1615	-0.135	0.1335
-1.109	-0.5465	-0.516	-1.0545
-1.272	-0.921	-0.348	-1.3355
0.0655	-0.1975	-0.986	-0.2275
0.001	0.0235	-0.019	-0.8465
0.4015	0.238	-0.193	-1.988
0.6013	1.755	0.138	-0.9295
0.3315	-0.5515	-0.12	-0.875
-1.403	0.7235	2.769	-0.2935
0.162	1.923	0.454	1.708
-0.7682	0.127	0.029	-1.4335
-0.9525	-0.757	-1.482	-1.66
-0.444	-1.1955	-1.525	-1.488
-0.144	0.239	0.199	2.2265
0.887	1.0615	1.624	1.4095
-0.2395	0.2955	0.942	0.5475
-1.49	-1.2625	0.85	-1.26
-0.4485	0.276	0.407	0.81
1.312	0.758	1.234	-0.381
-0.698	0.942	-0.729	-0.1515
-0.888	-0.461	-1.076	-1.0225
-0.489	-0.5475	-1.196	-0.409
-1.768	0.3105	-0.292	2.542
0.55	-0.0685	-0.618	-0.368
-0.6155	-0.3565	0.412	0.3365
1.897	2.9345	1.31	2.011
-1.302	-2.2145	-2.166	-1.5405
1.083	-0.7245	-0.677	-0.1575
-0.693	-2.0745	-0.995	-1.2275
-1.139	0.1695	0.043	-2.5715
-0.871	-0.4765	-0.328	1.1625
0.1615	0.0875	-0.424	0.263
0.023	-0.7575	-0.734	-1.245
-0.49	-0.227	-0.013	0.4805
2.479	0.062	-3.592	-3.1325
0.022	0.071	-0.526	-0.3445
0.017	-0.5225	-0.412	-2.175
0.74	-0.366	-1.256	-0.6035
-0.439	0.3285	2.682	3.375
-1.1	-0.0635	0.501	-1.2335
0.708	-1.443	-1.502	0.689
0.125	-0.5515	0.76	-0.29
-0.467	-0.1195	-0.027	0.0075
0.195	0.6225	1.067	0.6315
-0.112	-0.2525	-1.651	-1.4895
-0.572	0.41	0.161	-0.694
0.1405	-1.2325	0.537	-0.8745
-0.1772	-0.244	1.054	0.398
-0.139	-0.8765	-0.591	0.4255
0.2855	-1.086	-0.89	-0.5695
-1.624	0.6645	0.679	1.418
1.667	-0.621	-1.587	2.1335
-0.7145	0.1565	0.127	0.7915
2.065	-0.1645	-0.787	0.525
-0.185	-1.84	-1.408	-2.8535
0.524	-0.073	0.332	-0.1375
-1.759	-0.5705	1.634	2.407
-0.79	0.406	0.188	0.6265
0.0605	1.099	-0.009	-0.37
0.665	1.3855	0.026	0.6925
0.2408	1.985	1.488	0.9415
0.173	-0.8835	-0.036	1.1305
-0.643	3.577	2.12	0.2175
0.993	1.328	3.69	-0.2495
-0.202	-0.2435	0.329	-0.211
0.962	0.1635	1.083	0.3975
-0.769	-0.2215	0.48	-1.7465
0.574	0.003	-0.613	-0.5195
-0.313	0.628	0.059	-0.764
-0.5645	-0.3295	-0.571	-0.9955
1.258	-0.5155	-0.164	-0.216
0.684	0.463	-0.508	1.0075
-0.8415	-0.724	-0.676	-0.6555
0.51	-0.6785	-0.194	-0.833
0.8362	0.1435	-0.636	-0.646
0.5955	0.762	-0.496	-0.862
-1.793	0.8615	-1.823	-1.6915
-1.182	0.2905	-0.776	1.7525
0.4095	2.481	1.157	1.1395
-0.6985	2.3805	-0.842	0.276
1.963	-0.7905	-0.1	2.7755
0.917	0.088	-0.833	0.775
2.632	1.3155	-0.409	2.578
0.065	-0.5745	-1.127	-0.1285
1.034	-0.477	-0.576	-0.702
3.766	-0.8315	-1.652	-1.013

Table 19.

UB66	UB67	UB71	UB79
1.358	-2.195	-2.417	-1.009
-0.125	0.493	-0.171	-2.113
0.787	0.698	-1.169	-1.242
0.8595	0.488	-0.604	-1.011
1.611	-0.8495	-0.316	-0.801
1.297	2.1275	0.71	0.5135
-0.6265	2.428	-0.922	-0.212
0.422	-0.616	0.084	-0.6035
0.3962	0.456	1.406	0.931
-0.713	0.488	1.319	1.7595
0.362	-1.458	-1.975	1.9145
0.0705	-0.617	-1.067	1.604
0.7085	-1.876	-0.311	-0.2115
-0.016	-0.2585	0.169	0.012
-0.889	-1.204	0.515	0.478
-0.3525	-1.749	-1.205	-2.084
0.174	0.107	0.516	0.092
-1.02	-0.381	0.494	-0.2645
-0.003	-1.3165	-1.966	-2.676
0.889	0.977	1.257	0.8625
-1.454	1.7755	1.337	-0.7485
0.143	0.6555	1.667	3.1695
0.0525	0.4065	0.02	0.239
-1.206	-0.464	-0.03	-1.7025
-0.4585	1.0845	1.514	1.2372
-0.132	1.217	0.089	0.6395
0.588	-0.8815	-0.968	-0.9585
-0.244	0.138	0.102	-0.242
0.3267	2.6225	0.022	0.75
0.8218	2.2175	-0.791	-0.2545
0.141	0.742	-0.547	-0.675
-0.267	0.4	-0.703	-0.2935
-0.0045	3.729	0.765	5.2915
0.8805	0.0815	0.107	0.613
0.9035	-0.317	0.77	0.705
0.335	-0.517	-0.479	-0.909
-0.828	0.266	-0.181	-2.171
-0.3865	0.0135	0.633	-0.404
-0.1005	1.883	0.003	-0.7615
-0.215	0.2095	0.84	-0.5155
-1.069	-0.235	0.737	0.3165
-0.183	1.0175	1.979	0.416
-3.524	-0.466	-1.15	-2.8765
-1.077	-0.454	-0.422	-0.5775
0.5539	0.222	0.215	-1.7235
0.342	0.215	-0.416	0.069
-0.3125	-0.7235	-0.137	0.2315
-0.096	1.539	0.695	-2.0415
0.74	1.092	0.546	-0.9945
-0.0175	0.0045	0.274	2.844
-0.747	-0.377	0.095	0.273
-0.478	-1.356	-2.276	-1.133
-1.275	1.23	0.392	1.1065
-0.267	-0.4675	-0.03	-0.4625
1.218	0.121	-0.235	-0.726
0.075	0.842	0.35	0.135
3.388	0.558	3.168	4.885
-1.064	-2.437	-2.775	3.109
0.5885	-0.9105	-0.456	-0.8495
-0.3355	0.4465	0.129	0.2645
-0.8415	-0.6935	1.477	0.7645
0.816	0.407	0.333	0.155
-0.055	0.727	0.689	0.7025
0.1845	1.076	0.777	1.251
0.4375	0.7615	0.94	0.267
-0.294	-0.1115	-0.937	0.4265
0.057	0.547	0.108	2.4905
0.587	0.1465	-0.629	0.22
-0.117	1.4275	0.98	-0.4215
0.4475	-4.686	-4.499	-4.292
0.2447	0.1585	0.524	3.423
0.102	0.69	0.344	0.1975
1.074	-0.6955	-0.588	2.0955
-0.63	-0.089	-1.169	0.1365
-1.457	0.253	-0.698	0.6035
0.166	0.7015	0.852	-0.089
0.958	-0.91	-1.177	-0.694
-0.0853	-1.5085	-0.579	-1.9215
-0.261	0.0105	0.231	0.17
1.161	0.7545	0.917	2.016
-0.003	1.3945	0.202	-0.0165
1.179	0.631	0.323	0.6045
0.884	0.264	0.551	0.23
-1.198	-0.8815	-2.198	-1.421
0.381	0.507	-0.247	0.267
0.098	-0.05	0.208	-0.0065
-0.693	0.7775	1.48	0.204

Table 19.

U866	U867	U871	U879
1.258	-2.195	-2.417	-1.009
-0.6295	1.447	0.401	0.049
-0.048	0.1175	0.401	0.926
0.147	-0.0745	-0.954	-0.186
0.602	0.35	0.003	-0.149
-0.01	-0.0375	-0.039	-0.191
-0.0905	0.2575	0.898	-0.4445
-1.171	-0.3535	-1.074	-0.9295
0.287	0.919	0.202	1.497
0.607	0.5715	0.004	0.949
0.454	-0.2315	-0.104	1.327
-1.064	-0.6975	-0.317	-0.4125
-0.032	1.912	-0.452	0.495
0.1128	0.2275	0.448	0.9535
-0.039	-0.0855	-0.273	-0.8535
0.284	0.454	-0.62	-0.3355
1.108	0.9505	0.077	1.368

P3 minimized Intrinsic gene list		P2 minimized Intrinsic gene list
ASF1A		ACADSB
BLVRA	B3GNT5	BF
BTG3	COX6C	C5ORF18 (=DP1)
C10orf7	ERBB2	CDK2AP1
C16orf45	ESR1	CX3CL1
CaMKIINalpha	FOXC1	CYB5
CDH3	FZD7	DSC2 (ESTs)
CHI3L2	GATA3	EGFR
CSDA	GRB7	FLJ14525
CTPS	GSTP1	FOXA1
FABP7	KIT	GARS
FBP1	KRT17	HSD17B4
FLJ10980	S100A11	KIAA0310
GSTM3	SLC39A6	KRT5
HIS1	XBP1	NAT1
ID4		PGR
IGBP1		PLOD1
INPP4B		PTP4A2
SEMA3C		RABEP1
SLC5A6		RARRES3
TCEAL1		SDC2
TFF3		SLPI
TMSB10		SMA3
TP53BP2		TAP1
VAV3		TRIM29
WWP1		

Proliferation genes	Proliferation genes
BUB1	BIRC5
MKI67	BUB1
MYBL2	CENPF
STK6	CKS2
TOP2A	FAM54A (=DUFD1)
	GTPBP4
Housekeeper genes	HSPA14

ACTB
MRPL19
PSMC4
PUM1
SF3A1

MKI67
MYBL2
NEK2
PCNA
STK6
TOP2A
TTK

Housekeeper genes
MRPL19
PSMC4
PUM1

Table 21

GENE	Other Symbol	Gene Name	Location	Forward Sequence (SEQ ID NO: 29-240)
ACTB	PS1TP5BP1	actin, beta	7p15-p12	TTCCTGGGCATGGAGTC
GAPDH	GAPDH, GAPD	glyceraldehyde-3-phosphate dehydrogenase	12p13	TGGAAGGACTCATGACCACA
GUSB		glucuronidase, beta	7q22	ACTATGCAGCAGACAAGG
RPLP0	36B4, P0, L10E, RPPO, PRLP0	ribosomal protein, large, P0; also known as 60S acidic ribosomal protein P0, ri	12q24.2	TCTACAACCCTGAAGTGCT
TFRC	CD71, TFR1	transferrin receptor (p90, CD71	3q26.2-qter	GACTATTGCTGTGATCGTCT
MRPL19	MRP-L15, RPML15, KIAA0104, RLX1	mitochondrial ribosomal protein L19	2p11.2-q11.2	GGAAGAGGACTTGGAGCTACT
PSMC4	TBP7, S6, MIP224	proteasome (prosome, macropain) 26S subunit, ATPase, 4	19q13.11-q13.13	ACCTGGCTGTGGGAAGA
PUM1	PUMH1, KIAA0099	pumilio homolog 1 (Drosophila)	1p35.2	CGGGAGATTGCTGGACATATAA
SF3A1	SF3a120, SAP114, PRPF21, Prp21	splicing factor 3a, subunit 1, 120kDa	22q12.2	CGATGATGAGGTGTACGC
SLC7A6	y+LAT-2, KIAA0245, LAT3, LAT-2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	16q22.1	TGGCACTCATCTACCTCATC
S100A11	S100C	S100 calcium binding protein A11 (calgizzarin)	1q21	GCGCACAGAGCTCTCAG
ASF1A	DKFZP547E2110, CIA	ASF1 anti-silencing function 1 homolog A (S. cerevisiae)	6q22.31	TCCACCAGTAAAACCAGACTT
BLVRA	BLVR	biliverdin reductase A	7p14-cen	GCTGGCTGAGCAGAAAG
BTG3	ANA, MGC8928, TOB5, TOB55, TOFA	BTG family, member 3	21q21.1-q21.2	AGCCGCAAGTCCTGTGTA
C10orf7	D123	chromosome 10 open reading frame 7	10p13	CCCCAAGGGATGCGTAT
C16orf45	FLJ32618	chromosome 16 open reading frame 45	16p13.2	GCTCAGGTTCATGATGGAT
CAMK2N1	CaMKIINalpha, ICAP-1alpha	calcium/calmodulin-dependent protein kinase II inhibitor 1	1p36.12	GAGCAAGCGGGTTGTTAT
CHI3L2	YKL-39, YKL39	chitinase 3-like 2	1p13.3	TCCCAAACTGAAAATTCTCTTGTC
CSDA	dbpA, ZONAB, CSDA1	cold shock domain protein A	12p13.1	TCGCTCACGGGTCTTAC
FABP7	B-FABP, BLBP	fatty acid binding protein 7	6q22-q23	GCAAAATGGTTATGACCCTTAC
HEXIM1	CLP-1, HIS1, MAQ1, EDG1	hexamethylene bis-acetamide inducible 1	17q21.31	TCCGAGGCCAGTAAGTTG
ID4		inhibitor of DNA binding 4, dominant negative helix-loop-helix protein	6p22-p21	CCCAACAAGAAAGTCAGCAA
IGBP1	alpha 4	immunoglobulin (CD79A) binding protein 1	Xq13.1-q13.3	TGCCGAAATGTTATCGCAG
INPP4B	MGC132014	inositol polyphosphate-4-phosphatase, type II, 105kDa	4q31.21	GGCAGCACTTTCTTCCTACA
SLC5A6	SMVT	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	2p23	TCTTCAGCGGCTCTCTCA
TMSB10		thymosin, beta 10	2p11.2	TGGCAGACAAACCAGACAT
WWP1	AIP5, DKFZP434D2111	WW domain containing E3 ubiquitin protein ligase 1	8q21	CTTGCTCACTTCCGTTATTTG
BAG1		BCL2-associated athanogene	9p12	CTGGAAGAGTTGAATAAAGAGC
GSTM1	MU, H-B	glutathione S-transferase M1	1p13.3	GGACGCTCCTGATTATGAC
MMP11		matrix metallopeptidase 11 (stromelysin 3)	22q11.2	AGGGGTGCCCTCTGAGAT
CD68	SCARD1, macrosialin	CD68 antigen	17p13	GGGCAGAGCTTCAGTTG
C17orf37	MGC14832, ORB3, XTP4	chromosome 17 open reading frame 37	17q12	TCTCCAGCCACCTCATAC
TCAP	LGMD2G, T-cap, TELE, telethonin, CMD1N	titin-cap (telethonin)	17q12	GTGGTGCCTGTCAGCAA
EMSY	C11orf30	chromosome 11 open reading frame 30	11q13.5	GCTCCCAGCTTCTTCAGAGA
IGFBP2	IBP2	insulin-like growth factor binding protein 2, 36kDa	2q33-q34	GAGTGCTGGTGTGTGAAC
MDM2	HDM2	Mdm2, transformed 3T3 cell double minute 2, p53 binding protei	12q13-q14	GACTCCAAGCGCGAAAAC
PTEN	MMAC1, TEP1, PTEN1	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	10q23	GGGAAGTAAGGACCAGAGACAA
TP53	P53	tumor protein p53 (Li-Fraumeni syndrome)	17p13.1	AGGCCTTGGAACTCAAGGAT
CDC6		CDC6 cell division cycle 6 homolog (S. cerevisiae)	17q21.3	GTAAATCACCTTCTGAGCCT
KIF13B	GAKIN, KIAA0639	kinesin family member 13B	8p21	GCCCTCTCTGTTTCTCCC
MUC1	CD227	mucin 1, cell surface associated	1q21	GATCGTAGCCCCTATGAGAC

WO 2007/061876 PCT/US2006/044737

TK1		thymidine kinase 1, soluble	17q23.2-q25.3	CAGCTTCTGCACACATGACC
CLDN7	CEPTRL2, CPETRL2	claudin 7	17p13	GGGAGACGACAAAGTGAAG
FGFR4	JTK2, CD334	fibroblast growth factor receptor 4	5q33-qter	GATCGTCCTGCAGAATCTC
PDSS1	TPT, COQ1, TPRT	prenyl (decaprenyl) diphosphate synthase, subunit 1	10p12.2	ACTCGGTTGGAGAGACT
AKT3	PKBG, RAC-gamma, PRKBG	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	1q43-44	TGGATTTACCTTATCCCTCAA
AVEN	PDCD12	apoptosis, caspase activation inhibitor	15q13.1	GGACCTGAAATCCAAGGAAGAT
BCL2A1	GRS, BFL1, BCL2L5	BCL2-related protein A1	15q24.3	AACGTCCAGAGTGCTACA
CA9	MN	carbonic anhydrase IX	9p12	TCAGCCGCTACTTCCAATA
CDKN1B	KIP1, P27KIP1	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	12p13.1-p12	CCCTAGAGGGCAAGTACGAGT
CFLAR	CASH, Casper, CLARP, FLAME, FLIP, I-FLICE, M	CASP8 and FADD-like apoptosis regulator	2q33-q34	CTCACCGTCCCTGTACCTG
FIGF	VEGF-D, VEGFD	c-fos induced growth factor (vascular endothelial growth factor D)	Xp22.31	ACTCTCATCTCCAGGAACC
IGF1	JTK13	insulin-like growth factor 1 receptor	15q25-q26	GCAGTCTTCCAACCCAAT
KPNA1	SRP1, RCH2, NPI-1, IPOA5	karyopherin alpha 1 (importin alpha 5)	3q21	GCTTGGGCCATCACAAAT
KRAS	KRAS2	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	12p12.1	TGGACGAATATGATCCAACAAT
LRIG1	LIG-1, DKFZP586O1624, LIG1	leucine-rich repeats and immunoglobulin-like domains 1	3p14	CCAGAATCACTGAAGGGTC
MAP2	MAP2A, MAP2B, MAP2C	microtubule-associated protein 2	2q34-q35	AACCCTTGAGAACACGAC
MAPT	MTBT1, tau, PPND, FTDP-17, TAU, MSTD, MTB	microtubule-associated protein tau	17q21	TGTGGCTCATTAGGCAAC
PPM1D	Wip1	protein phosphatase 1D magnesium-dependent, delta isoform	17q23.3	TTTCTGGCAGTAGCAAGAG
PTGS2		prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclo	1q25.2-q25.3	GCTGAAGCCCTATGAATCATTT
RABEP1		rabaptin, RAB GTPase binding effector protein 1	17p13.2	CAGTGGAGAGAAGAAGTTGC
RARA		retinoic acid receptor, alpha	17q12	CAAAGCGCACCAGGAAAC
RHOC		ras homolog gene family, member C	1p13.1	GCAGCCTGGGAACTTCAG
ROPN1	ODF6, ropporin, ROPN1A	ropporin, rhophilin associated protein 1	3q21.1	GAGTCGCTTTGTGTAACCG
S100A7		S100 calcium binding protein A7 (psoriasin 1)	1q21	TGCTGACGATGATGAAGGAG
S100A8		S100 calcium binding protein A8 (calgranulin A)	1q12-q22	CTGGAGAAAGCCTTGAACT
S100A9	P14, MIF, NIF, LIAG, MRP14, MAC387, 60B8AG	S100 calcium binding protein A9 (calgranulin B)	1q21	GTGCGAAAAGATCTGCAAAA
SHC1	SHC-P66	SHC (Src homology 2 domain containing) transforming protein 1	1q21	GGGGTTTCCTACTTGGTTCG
TAP1		transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	6p21.3	GCCAGGAGACGGAGTTT
TP73L		tumor protein p73L	3q27-28)	CACTCTCCATGCCATCCAC
CKS2		CDC28 protein kinase regulatory subunit 2	9q22	TGGAGGAGACTTGGTGT
FAM54A	DUFD1	family with sequence similarity 54, member A	6q23.2	GTGGAAATGCAGGAACTGAA
GTPBP4	CRFG, NGB, FLJ10690, FLJ10686	GTP binding protein 4	10p15-p14	GGATCATTACAAGTTGGCTCT
HSPA14	HSP70-4, HSP70L1	heat shock 70kDa protein 14	10p14	TGGAATTGGACAAGACTCCC
PCNA		proliferating cell nuclear antigen	20pter-p12	CCACTCTCTTCAACGGT
FOXA1	HNF3A	forkhead box A1	14q12-q13	GCTACTACGCAGACACG
GATA3		GATA binding protein 3	10p15	CATTAAGCCCAAGCGAAGG
CDCA1	NUF2R	cell division cycle associated 1	1q23.1	GGAGGCGGAAGAAACCAG
AGR2	XAG-2, HAG-2, AG2	anterior gradient 2 homolog (Xenopus laevis)	7p21.3	TTTGTCCTCCTCAATCTGGTTT
ESR1	NR3A1, Era, ESR	estrogen receptor 1	6q24-q27	GCAGGGAGAGGAGTTTGT
SCUBE2	Cegf1, Cegp1, FLJ16792	signal peptide, CUB domain, EGF-like 2	11p15.3	GTTCCAGGTCCCATACG
BUB1	hBUB1, BUB1A, BUB1L	BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast)	2p11-q21	GTTTGCGGTTCAGGTTTGG
SLC39A6	LIV-1	solute carrier family 39 (zinc transporter), member 6	18q12.2	TCGAACTGAAGGCTATTTACGAG

UGT8	*CGT*	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	4q26	AACTCCGAAGCCTCCCTTA
LOC400451		Hypothetical gene supported by AK075564; BC060873	15q26.1	CCAGGGTTTGTGTATTTGC
KNTC2	HEC, HEC1	kinetochore associated 2	18p11.31	TGGGTCGTGTCAGGAAAC
TMC5	FLJ13593	transmembrane channel-like 5	16p13.11	GCCTGGGTTGTCTCTACAGG
ERBB2	NEU, HER-2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma	17q11.2-q12	GCTGGCTCTCACACTGATAG
CA12	HsT18816	carbonic anhydrase XII	15q22	GCAGGTCCAGAAGTTCGATG
DKFZp762E1312		Hypothetical protein DKFZp762E1312	2q37.1	GCTCCAAGGAGAACTTCATAC
BIRC5	EPR-1, *API4*	baculoviral IAP repeat-containing 5 (survivin)	17q25	GCACAAAGCCATTCTAAGTC
ANLN	ANILLIN, Scraps	anillin, actin binding protein (scraps homolog, Drosophila)	7p15-p14	ACAGCCACTTTCAGAAGCAAG
CEP55	FLJ10540, CEP55, C10orf3	centrosomal protein 55kDa	10q24.1	CCTCACGAATTGCTGAACTT
REEP6	DP1L1, FLJ25383, C19orf32	receptor accessory protein 6	19p13.3	CGAGTTCTTCAGCGATCTAC
ELOVL5	HELO1, dJ483K16.1	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SU	6p21.1-p12.1	CCCTTCCATGCGTCCATA
TMEM45B	LOC120224	Transmembrane protein 45B	11q24.3	GTCGAAGCCGCAATTAGG
TTK	MPS1L1	TTK protein kinase	6q13-q21	GGAGTTTGGGTTCCATCTT
AR	AKR1B1, *ALDR1*	aldo-keto reductase family 1, member B1 (aldose reductase)	7q35	TGTCCATCTTGTCGTCTTC
CTSL2	CTSU, CTSV	cathepsin L2	9q22.2	GTACCAGTGGAAGGCAAC
CENPA		centromere protein A, 17kDa	2p24-p21	CTGCACCCAGTGTTTCTGTC
GALNT7	GALNAC-T7	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltrans	4q31.1	GCACTGTGCCGCTTATAG
DNAJC12	JDP1, "J domain protein 1"	DnaJ (Hsp40) homolog, subfamily C, member 12	10	GAGTCGAGCCCGCTATGA
MLPH	1Rk3, l(1)-3Rk, Slac-2a, In, exophilin-3	melanophilin	2q37.2	GTGGAATGCCTGCTGACC
TACSTD1	Ly74, TROP1, GA733-2, EGP, KSA *M4S1, MIC18*	tumor-associated calcium signal transducer 1	2p21	AGTTGGTGCACAAAATACTGTCAT
CDC20	p55CDC	CDC20 cell division cycle 20 homolog (S. cerevisiae)	1p34.1	CTGTCTGAGTGCCGTGGAT
PIP		prolactin-induced protein	7q32-qter	TGCCTATGTGACGACAATCC
CDCA7	FLJ14736, JPO1	cell division cycle associated 7 - variant2	2q31	AAAGAGGAAGACCGTGGATGG
MIA	CD-RAP	melanoma inhibitory activity	19q13.32-q13.3	CCAGTAGCATTGTCCGAG
XBP1	*XBP1*	X-box binding protein 1	5q22.2	CTGGAACAGCAAGTGGTAG
C4orf34	FLJ13289, LOC201895	chromosome 4 open reading frame 34	4p14	TCAAGTAAAATCAAGCTGGGTAATC
VAV3		vav 3 oncogene	1p13.3	ACAAGGGACACTCAAACTAC
GRB7		growth factor receptor-bound protein 7	17q11.2-17q21	CGTGGCAGATGTGAACGA
UBE2C	UBCH10	ubiquitin-conjugating enzyme E2C	20	TGCCCTGTATGATGTCAGGA
PH-4		hypoxia-inducible factor prolyl 4-hydroxylase	3p21.31	ACCGACAGGGATCACTTCAT
ART3		ADP-ribosyltransferase 3	4p14-p15.1	TTGAACCCACCCAAATACCT
MELK	KIAA0175	maternal embryonic leucine zipper kinase	9p13.1	CCAACAAAATATTCATGGTTCTTG
CDCA8	FLJ12042	cell division cycle associated 8	1p34.2	TCCTTTCTGAAAGACTTCGACC
DNALI1	P28	dynein, axonemal, light intermediate polypeptide 1	1p35.1	CCGCAGGGAACTCTACTCAC
KIAA1370	FLJ10980	KIAA1370	15q21.2-q21.3	ATGGATCTTGGAGCCAGTTC
THSD4	FVSY9334, PRO34005, FLJ13710	thrombospondin, type I, domain containing 4	15q23	GTGGGAACCATTTGCAGAAG
KRT18		keratin 18	12q13	TGATGACACCAATATCACACGA
MYO5C		myosin VC	15q21	GGCCTACAGCCGAGGATT
FBP1	FBP	fructose-1,6-bisphosphatase 1	9q22.3	GTGTCCGTTGGAACCAT
CDC45L	CDC45L2	CDC45 cell division cycle 45-like (S. cerevisiae)	22q11.2	GTTTGAGCTGGCTTGGATG
CXXC5	HSPC195	CXXC finger 5	5q31.3	CATGAAATAGTGCATAGTTTGCC

FANCA	FACA, FANCH, FAA, FA-H, FAH	Fanconi anemia, complementation group A	16q24.3	GCCATCATGGTGTTTGAG
MYB	c-myb	v-myb myeloblastosis viral oncogene homolog (avian)	6q22-q23	GCTCCTAATGTCAACCGAGAA
OGFRL1	dJ331H24.1	opioid growth factor receptor-like 1	6q13	GAGCACAACCACACTTACATTC
KIF2C	MCAK	kinesin family member 2C	1p34.1	GGAGATCCGTCAACTCCAAA
RRM2		ribonucleotide reductase M2 polypeptide	2p25-p24	CAGCAAGCGATGGCATAGT
FOXC1	FREAC3, ARA, IGDA, IHG1	forkhead box C1	6p25	GATGTTCGAGTCACAGAGG
SFRP1	SARP2, FRP, FRP-1	secreted frizzled-related protein 1	8p12-p11.1	AATGCCACCGAAGCCTC
AURKA	STK6	serine/threonine kinase 6	20q13.2-20q13.3	TCCAGGCCACTGAATAACAC
ACTR3B	ARP11, ARP3beta, ARP3BETA	ARP3 actin-related protein 3 homolog B (yeast)	7q34	AAAGATTCCTGGGACCTGA
TCF7L1	*TCF3*	transcription factor 7-like 1 (T-cell specific, HMG-box)	2p11.2	CCATGAACGCCTCGATGT
MYBL2	BMYB	v-myb myeloblastosis viral oncogene homolog (avian)-like 2	20q13.1	CGAGATCGCCAAGATGTT
CELSR1	ME2, HFMI2, FMI2, CDHF9	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophi	22q13.3	TGGTGACAGTGGATGATTGTG
NTN4		netrin 4	12q22-12q23	CCAGGCTTCTATCGTGAC
SLC16A6	MCT6	solute carrier family 16 (monocarboxylic acid transporters), member 6	17q24.3	TGGATAATCTCAATCTGTGTGTTTG
C10orf38	FLJ12884	chromosome 10 open reading frame 38	10p13	GTGGCGGTTTGACCAGAA
GPR160	GPCR150, GPCR1	G protein-coupled receptor 160	3q26.2-q27	TTCGGCTGGAAGGAACC
TFF3	HITF	trefoil factor 3 (intestinal)	21q22.3	TGCTGGGGCTGGTCCTG
PIB5PA		phosphatidylinositol (4,5) bisphosphate 5-phosphatase, A	22	AACTTCGCTCCCACCTTC
BCL11A	Evi9, BCL11A-XL, BCL11A-L, BCL11A-S, *EVI9*	B-cell CLL/lymphoma 11A (zinc finger protein)	2p16.1	CCCAAACAGGAACACATAGCA
E2F1	RBP3	E2F transcription factor 1	20q11-20q11	AGACCGTAGGTGGGATCAG
RACGAP1	MgcRacGAP	Rac GTPase activating protein 1	12q13	GCCTTAACAGAGCCTTTATGGA
TRIP13		thyroid hormone receptor interactor 13	5p15	CTCATGCGCTGTATGTCCA
UBE2T	HSPC150	ubiquitin-conjugating enzyme E2T (putative)	1q32.1	GTGAGGGGTGTCAGCTCAGT
CAPN13	FLJ23523	calpain 13	2p22-p21	TTCCACTCGATTTCCAAGTGA
ACOT4	ACOT4, FLJ31235, PTE-Ib,	acyl-CoA thioesterase 4	14q24.1	GTATGCTACATGCTTCAACATCC
PRC1		protein regulator of cytokinesis 1	15q26	ACCATTATGTCTGGGTCAAAGG
SPDEF	PDEF, bA375E1.3	SAM pointed domain containing ets transcription factor	6p21.3	CTGCAAGCTGCTCAACATC
NAT1		N-acetyltransferase 1 (arylamine N-acetyltransferase)	8p23.1-p21.3	AGCCTCGAACAATTGAAGA
KIAA1324	maba1	KIAA1324	1p13.3	TTCCTACTCCAATGGCTCAGA
TSPAN13	NET-6, *TM4SF13, TSPAN13*	tetraspanin 13	7p21.2	GCCATGTGCTCCAATCATAG
MAD2L1	MAD2, HSMAD2	MAD2 mitotic arrest deficient-like 1 (yeast)	4q27	GGTGACATTTCTGCCACTG
NEK2	NLK1, "HsPK 21"	NIMA (never in mitosis gene a)-related kinase 2	1q32-q42	ACATTTGTTGGCACACCTTA
NPDC1		neural proliferation, differentiation and control, 1	9q34.3	GCTCTGTGTGCCCAGGAT
GPSM2	LGN, Pins	G-protein signalling modulator 2 (AGS3-like, C. elegans)	1p13.3	ATTGACCACCGAATTCCAAA
DLG7	KIAA0008, DLG1, HURP	discs, large homolog 7 (Drosophila)	14q22.1-q22.3	AAATGCCGGTCCTCAGAATAC
SLC40A1	MTP1, IREG1, FPN1, HFE4	solute carrier family 40 (iron-regulated transporter), member 1	2q32	GATTGTTGTTGTTGCAGGAGA
ORC6L	ORC6	origin recognition complex, subunit 6 homolog-like (yeast)	16q12	ATCGACTGTGTAAACAACTAGAGAAGA
BCMP11	HAG3, hAG-3	breast cancer membrane protein 11	7p21.1	TGAAGAAGGTCTCTTTATGCTCA
EXO1	HEX1, hExoI	exonuclease 1	1q42-q43	CCCATCCATGTGAGGAAGTATAA
KIF20A	RAB6KIFL	kinesin family member 20A	5q31	AAGCCACACACAGGTTC
EPN3	FLJ20778	epsin 3	17q21.33	CACCTTCGCTTCCAGATG
PTTG1	PTTG, HPTTG, EAP1, securin	pituitary tumor-transforming 1	5q35.1	CCTCAGATGATGCCTATCCA

RERG	MGC15754	RAS-like, estrogen-regulated, growth inhibitor	12p13.1	AACTCGCAAACGCAACCT
TMEM25	FLJ14399, 0610039J01Rik	transmembrane protein 25	11q23.3	CAAGGTTTCATCCGCCTC
PHGDH	SERA, PGDH, PDG	phosphoglycerate dehydrogenase	1p12	TGCCGCAGAACTCACTTG
SLC9A3R1	*NHE3*	solute carrier family 9 (sodium/hydrogen exchanger), member 3	5p15.3	CCAATGGGGAGATACAGAAGG
FAM64A	FLJ10156	family with sequence similarity 64, member A	17p13.2	CCATTACGGCGATCAAGG
SEMA3C	SemE.\, SEMAE	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (sema	7q21-q31	GACAAAGACAGGAGGAAAGAG
PGR	PR, NR3C3	progesterone receptor	11q22-q23	TTTAAGAGGGCAATGGAAGG
BCL2	Bcl-2	B-cell CLL/lymphoma 2	18q21.3	TACCTGAACCGGCACCTG
ABCC3	MRP3, cMOAT2, EST90757, MLP2, MOAT-D	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	17q21	TGCTCTCCTTCATCAATCCA
CCND1	BCL1, D11S287E, PRAD1	cyclin D1		GAAGATCGTCGCCACCTG
CCNE1	CCNE	cyclin E1	19q12	GGCCAAAATCGACAGGAC
CDH1	uvomorulin	cadherin 1, type 1, E-cadherin (epithelial)	16q22.1	CCACCAAAGTCACGCTGAA
EGFR	ERBB	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncoge	7p12	ACACAGAATCTATACCCACCAGAGT
KRT6B	KRTL1	keratin 6B	12q12-q13	TCGACCACGTCAAGAAGC
MYC	c-Myc	v-myc myelocytomatosis viral oncogene homolog (avian)	8q24	AGGCGAACACACAACGTC
KRT5		keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cocka	12q	GTTGGACCAGTCAACATCTCTG
GSTP1		glutathione S-transferase pi	11q13-qter	ACCTCACCCTGTACCAGTC
B3GNT5	B3GN-T5, beta3Gn-T5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	3q28	CCGGAGCTGCCTATGTAATC
COX6C		cytochrome c oxidase subunit VIc	8q22-q23	CATTCGTGCTATCCCTGG
FZD7	FzE3	frizzled homolog 7 (Drosophila)	2q33	CTGACCCTGTCTCTGTGT
TCEAL1	p21, pp21, SIIR, P21	transcription elongation factor A (SII)-like 1	Xq22.1	CAACATGGACAAACCACG
KIT	PBT, CD117, SCFR, C-Kit	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	4q11-q12	ATTCCCAGAGCCCACAATA
KRT17	PCHC1	keratin 17	17q12-17q21	ACTCAGTACAAGAAAGAACCG
CDH3	CDHP, PCAD	cadherin 3, type 1, P-cadherin (placental)	16q22.1	GACAAGGAGAATCAAAAGATCAGC
GSTM3	GST5	glutathione S-transferase M3 (brain)	1p13.3	CAAGCTAGACCTGGACT
TP53BP2	2 choices: PPP1R13A, TP53BP	TP53BP1 tumor protein p53 binding protein, 1 (15q15-q21) or TP53BP2 tumor protein p53 bindi		AGGCTCTGCTTCTGTACC
CENPF		centromere protein F, 350/400ka (mitosin)	1q32-q41	GTGGCAGCAGATCACAA
TOP2A		topoisomerase (DNA) II alpha 170kDa	17q21-q22	CAACATGCCAATTGAGTGAAA
TYMS		thymidylate synthetase	18p11.31-p11.21	CAAACGTGTGTTCTGGAAGG
CCNB1	CCNB	cyclin B1	5q12	CTTTCGCCTGAGCCTATTT
MKI67		antigen identified by monoclonal antibody Ki-67	10q25-qter	GTCTCTGGTAATGCACACT
CLDN3	RVP1, *C7orf1, CPETR2*	claudin 3	7q11	CTACGACCGCAAGGACTACG
CLDN4	CPE-R, WBSCR8, hCPE-R, *CPETR, CPETR1*	claudin 4	7q11.23	ATCGGCAGCAACATTGTCA
CRYAB	HSPB5	crystallin, alpha B	11q22.3-q23.1	CAAGGAAACAGGTCTCTGG
CTPS		CTP synthase	1p34.1	TGCCATGTTGAGCCTGA
GSDML	PRO2521	gasdermin-like	17q21.2	TGGATTCTGGGCTCCAAG
KRT14	EBS3, EBS4	keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner)		CGCAGTCATCCAGAGATGTG
KRT19		keratin 19	17q21-q23	GTCATGGCCGAGCAGAAC
KRT8		keratin 8	12q13	GATGAACCGGAACATCAGC
RARRES3		retinoic acid receptor responder (tazarotene induced) 3	11q23	AGCACTTTGTCACCCAG
TRIM29	ATDC	tripartite motif-containing 29 - Variant 1	11q22-q23	TGAGATTGAGGATGAAGCTGAG
VEGF		vascular endothelial growth factor	6p21-p12	AGTGTGTGCCCACTGAGGA

WIRE	WICH	WIRE protein	17q21.2	CAACATTAATGATCGGAGTGCT
YBX1	NSEP1	Y box binding protein 1	1p34	CAGTATTCCAACCCTCCTGTG

Reverse Sequence (SEQ ID NO:242-454)	Source
CAGGTCTTTGCGGATGTC	Housekeeper
GGCCATCCACAGTCTTCT	Housekeeper
CCGTAGTCGTGATACCAAGA	Housekeeper
GACAGACACTGGCAACA	Housekeeper
TTACAATAGCCCAAGTAGCCA	Housekeeper
TCCTGGACCCGAGGATTAT	Housekeeper
GCCCTCACCCAGATACT	Housekeeper
TGGCACGCTCCAGTTTC	Housekeeper
GCTCAGCCAACTGCTTC	Housekeeper
CCACGAAGAACCAGTAGC	MIP2
AGGGCTGGAGATTTTTGC	MIP2/MIP3
TTGTGACCCTGGGATTAGATG	MIP3
TTCCTCCATCAAGAGTTCAACA	MIP3
GGGTGCCACATTGGAAGA	MIP3
AGATGTCGCTGAGGGTT	MIP3
GATGGCGACCAAGTTCT	MIP3
TCTTTGGGGGAGTTAGACAC	MIP3
GTGATGTAGAAGAATCCACCATAG	MIP3
TTCATCTCTCCAATCTCACCAG	MIP3
CAGGAACATTTTTATGCCTTCTC	MIP3
TGTCTCTGCTGCTGTCC	MIP3
AGGTCCAGGATGTAGTCG	MIP3
TGGTGAGGGCTCCTTGA	MIP3
GCGGTTCATTTGGAGTCT	MIP3
TCAGGGAACCAAGGTCG	MIP3
TCCGCTTCTCCTGCTCA	MIP3
CGGGACACATTGATCTTTACA	MIP3
GCAAATCCTTGGGCAGA	Other
AGGGCAGATTGGGAAAG	Other
TCACAGGGTCAAACTTCCAGT	Other
CTGGAGCCTCAGGGAGA	Other
TATTACCGAGGCGAAGAGT	Other
CCTCTCAGCCTCTCTGTG	Other
GAGGATCCTTGGGTTATAATTGG	Other
TGTAGAAGAGATGACACTCGG	Other
CAGACATGTTGGTATTGCACATT	Other
TCCAGATGATTCTTTAACAGGTAGC	Other
CCCTTTTTGGACTTCAGGTG	Other
ACTTGGGATATGTGAATAAGACC	Other
GGATTCAAGTAGGATGCTGC	Other
ACTGCTGGGTTTGTGTAAG	Other

Corresponds to genes from 1st page of table 21 and is respectively in order of those genes.

CGTCGATGCCTATGACAGC	Other
ATACCAGGAGCAAGCTACC	Other
GGGTCCTCATCATCGTTG	Other
GGCTTTCCCTTTCCCAT	Other
TGGCTTTGGTCGTTCTGTTT	Other
CAGTCACAGATGGTTTTGCAC	Other
CCAAGCATGACTTCAGATTC	Other
CTCAGCATCACTGTCTGGTTA	Other
AGTAGAACTCGGGCAAGCTG	Other
CAGGAGTGGGCGTTTTCTT	Other
CTCGCAACGATCTTCGTC	Other
GAGGACATGGTGTGCATC	Other
CGGCTTGATACAACCCAGTT	Other
TCCCTCATTGCACTGTACTCC	Other
AGGAAGTCATCGCACAC	Other
TCTTTCCGTTCATCTGCCA	Other
CTTCGACTGGACTCTGT	Other
ACTTGTGTCTGGTTCAGG	Other
TCCAACTCTGCAGACATTTCC	Other
CTGGTGCTCATAGTCACG	Other
GTTGTTCTGAGCTGTTGTTCGT	Other
CACCAGCTTCTTTCGGATTG	Other
TGAGAATGCAGGATCTTTAACAG	Other
CGAGGTAATTTGTGCCCTTT	Other
CTGTAGACGGCATGGAAAT	Other
TCAGCTGCTTGTCTGCATTT	Other
CCGGGTGTTGAAGTCCAG	Other
CGTGTCCTCTGTTACCCGA	Other
GCCCAACCTCGCTAAGAAA	Other
GAATATGTGGTTCTGGCTCA	Proliferation
GCTCGTCACTCAAGCCAA	Proliferation
CTTCATCAGTCGCACATAAATCT	Proliferation
ACGCTGAGAGATAAGGATG	Proliferation
AGTGTCCCATATCCGCA	Proliferation
CTGAGTTCATGTTGCTGACC	Top 100 (1)
TGACAGTTCGCACAGGAC	Top 100 (10)
GGGGAAAGACAAAGTTTCCA	Top 100 (100)
CATAATCCTGGGGACATACTGG	Top 100 (11)
GACTTCAGGGTGCTGGAC	Top 100 (12)
TAGAGCCTGCCATCTCG	Top 100 (13)
CATGTGGGCTTCAAGCATC	Top 100 (14)
CTGCTGAGAATCAAAGTGGGA	Top 100 (15)

GTGTTTGTGCGCTGAATC	Top 100 (16)
ACTGAAGAACCGAAGATGG	Top 100 (17)
CACCGCTGGAAACTGAAC	Top 100 (18)
CCCCAGGGTTACTGTGTGTC	Top 100 (19)
GCCCTTACACATCGGAGAAC	Top 100 (2)
CCGCAGTACAGACTTGCACTT	Top 100 (20)
CTTGCAATCTCTTAATGCCC	Top 100 (21)
GACGCTTCCTATCACTCTATTC	Top 100 (22)
CGATGGTTTTGTACAAGATTTCTC	Top 100 (23)
CCACAGTCTGTGATAAACGG	Top 100 (24)
AGCCATGCAGAACAACAG	Top 100 (25)
TGTCAGCACAAACTGAAGCA	Top 100 (27)
GGAACAAACTGCTCTGCCA	Top 100 (28)
TTCTCTGCCACTTAAATCCTCG	Top 100 (29)
CTCCTTCCTCCTGTAGTTTC	Top 100 (3)
ACACTGCTCTCCTCCATC	Top 100 (30)
GAGAGTCCCCGGTATCATCC	Top 100 (31)
TCGGGCATACCCATCTTC	Top 100 (32)
CAACCCAGTGCATTGACG	Top 100 (33)
CGCACTCCAGCACCTAGAC	Top 100 (34)
TCCCAAGTTTTGAGCCATTC	Top 100 (35)
TCCTTGTAATGGGGAGACCA	Top 100 (36)
GGCTGCAATTTGCACAGTTC	Top 100 (37)
CACTGGGCGAATTATATGCG	Top 100 (38)
CCCATTTGTCTGTCTTCAC	Top 100 (39)
GCCATGAGTTTTCTCTCGT	Top 100 (4)
TAGGACTGGGACTGCCGTAA	Top 100 (40)
TGTTTAGGAGTTCTTCGCAG	Top 100 (41)
AGTGGGCATCCCGTAGA	Top 100 (42)
GGGACTATCAATGTTGGGTTCTC	Top 100 (43)
AGCCGACACTCTTCATCAGTC	Top 100 (44)
GATGCAGAAGGATGGCTTTT	Top 100 (45)
AGGCGATCCTGGGAAATTAT	Top 100 (46)
CCTGTCTGACTCAATTTGCT	Top 100 (47)
GGATCTCGTCCCGGACTC	Top 100 (48)
ACACAAATGAGCGGACAG	Top 100 (49)
ATTGCCTGGCAGTTCAACTC	Top 100 (5)
GGCTTGTAGGCCTTTTACTTCC	Top 100 (51)
GCCTTATGTTCCTCCAGCAT	Top 100 (52)
CTCAGAAGGCTCATCAGT	Top 100 (53)
TCTTGTCTTGCACCCACTG	Top 100 (54)
CCATCAACATTCTCTTTATGAACG	Top 100 (55)

GAAGTGGGACACGTAGTAAG	Top 100 (56)
AGCTGCATGTGTGGTTCTGT	Top 100 (57)
GAAGTTCAAGCCTTGTTCTC	Top 100 (58)
AGTGGACATGCGAGTGGAG	Top 100 (59)
AGCGGGCTTCTGTAATCTGA	Top 100 (59)
GACAGCTACTATTCCCGTT	Top 100 (6)
GCCTCAGATTTCAACTCGT	Top 100 (60)
TTTGATGCCAGTTCCTCCTC	Top 100 (61)
TGGGCAGTTCTGTATTACTTC	Top 100 (62)
GAGCCACCATGTGAGGAGAG	Top 100 (63)
GATGGTAGAGTTCCAGTGATT	Top 100 (64)
CGGTCAGATCCAGGGACTT	Top 100 (64)
AGTTGGCAGGAAGGACA	Top 100 (66)
CGAAACGATTGCTCAGGACT	Top 100 (67)
TGGTGCACAAGACCCAGAC	Top 100 (68)
TATGTGAGTAAGCTCGGAGAC	Top 100 (69)
GGCACGGCACACTGGTT	Top 100 (7)
GCTGGCTTCCGTTTCTTG	Top 100 (70)
GAGCTCCATGTGCAGAACG	Top 100 (71)
GGTGGTGGTGACACTATGG	Top 100 (72)
CAGCTATGCTGTTGTCTTCA	Top 100 (73)
GTCCACTGCCAGAGACAGG	Top 100 (74)
CACACAGTTCACTGCTCCACA	Top 100 (75)
GTGGAAATTTCTCCCGGAAC	Top 100 (76)
AGGCCATTGAGAGACAAATATC	Top 100 (77)
TTCTTCCAACCGATCCACTTC	Top 100 (78)
CGGTATTGGTGCTCTGTC	Top 100 (79)
ACACAGATGATGGAGATGTC	Top 100 (8)
AGCGTGTTCCACCATTTGTA	Top 100 (80)
GCCAAACACCCAGGATCTC	Top 100 (82)
GTCCCGACTCTTCCCAT	Top 100 (83)
ATTGTAGGACATGCGATTCA	Top 100 (84)
GGAAGTCAATCTCATCTTCCAGTC	Top 100 (85)
CAAAGAACCCTTCATCTCCAA	Top 100 (86)
TCCTGCTTTCAGGAATACTC	Top 100 (87)
CCTTCGTATTGTGGCATTC	Top 100 (88)
AGTAGCTACATCTCCAGGTTCTCTG	Top 100 (89)
TGGGCAAATACTTTCTTTAGTGC	Top 100 (9)
TGTGAAGCCAGCAATATGTATC	Top 100 (90)
CATCTCCTTCACAGTTAGGTTG	Top 100 (91)
GCCTATTGTCTCTTGCTGTT	Top 100 (92)
GCAGGTCAAAACTCTCAAAG	Top 100 (93)

TCTTGGAAGAGTCCACAATCC	Top 100 (94)
TCATCACTGCTCACGCT	Top 100 (95)
CATTTGCCGTCCTTCATCG	Top 100 (96)
CACTGGAGGCGGATCTCA	Top 100 (97)
CCCACAGGCTCTAGGTCACT	Top 100 (98)
TCCCTGTGAAGTGGCTATTA	Top 100 (99)
CGGATTTTATCAACGATGCAG	Top 141
GCCGTACAGTTCCACAAAGG	Top 141
TGGGGTTGGAGATAAACCTG	Top 141
GACCTCCTCCTCGCACTTCT	Top 141
GGGTCTGCACAGACTGCAT	Top 141
TGCTTGGATTCCAGAAACG	Top 141
ATCAACTCCCAAACGGTCAC	Top 141
GTTCTTAGCATCCTTGAGGG	Top 141
TCTGGTCACGCAGGGCAA	Top 141
GCCATAGCCACTGCCACT	Top 141
CTGCTGGTCCTTCCCATAG	Top 141
CAGAGGCCCATGAACACATC	Top 141
TGTAGAAATCTGCGTATGCC	Top 141
GTTCAAACCTTCCTCTTCGT	Top 141
CCTCTCCTCATCGGTCT	Top 141
ATCCACTGGCAGTACAGAAG	Top 141
GAGGAGATGACCTTGCC	Top 141
ACTGTCTGGGTCCATGGCTA	Top 141
GCATTGCTCTGGGTGAT	Top 141
CGGACGCACTTTCTTCTC	Top 141
GGATTTCGTGGTGGGTTC	Top 141
ACTTGGGCCTTAAACTTCACC	Top 141
ACAGCTCTTTAGCATTTGTGGA	Top 141
GGGCACATCCAGATGTTT	Top 141
CTGATGGTTGAGGCTGTT	Top 141
GTGGTGGTGTTGGTGGTG	Top 141
CACGCAGTTCATCCATAGG	Top 141
GCAGGCTTCTCTTCACG	Top 141
CAAGGGGACTCGGTAGA	Top 141
CAACTCTCCCGTTGAGTC	Top 141
CGTGCACATCCATGACCTT	Top 141
CCGGTTCAATTCTTCAGTCC	Top 141
CTCCAGGGAAGCCCTCTG	Top 141
GCCACACCAACTTCAACC	Top 141
CATTGGTGGTGAAGCTCTTG	Top 141
GGTGAGGTTTGATCCGCATA	Top 141

CTCCTCCAGAGCCATAGCC	Top 141
GTTCTCCTGCACCCTGGTT	Top 141

G. References

Akilesh S, Shaffer DJ, Roopenian D. "Customized molecular phenotyping by quantitative gene expression and pattern recognition analysis" Genome Res 13:1719-1727 (2003).

Bair, E., and Tibshirani, R. "Semi-supervised methods to predict patient survival from gene expression data" PLoS Biol 2:E108 (2004).

Bloom, H.J.G., and Richardson, W.W. "Histologic grading and prognosis in breast cancer" British Journal of Cancer 9:359-377 (1957).

Benito, M., Parker, J., Du, Q., Wu, J., Xiang, D., Perou, C.M., and Marron, J.S. "Adjustment of systematic microarray data biases" Bioinformatics 20:105-114 (2004).

Bhatia P, Taylor WR, Greenberg AH, Wright JA. "Comparison of glyceraldehyde-3-phosphate dehydrogenase and 28S-ribosomal RNA gene expression as RNA loading controls for northern blot analysis of cell lines of varying malignant potential" Anal Biochem 216:223-226 (1994).

Bullinger, L., Dohner, K., Bair, E., Frohling, S., Schlenk, R.F., Tibshirani, R., Dohner, H., and Pollack, J.R. "Use of gene-expression profiling to identify prognostic subclasses in adult acute myeloid leukemia" N Engl J Med 350:1605-1616 (2004).

Buzdar, A., O'Shaughnessy, J.A., Booser, D.J., Pippen, J.E., Jr., Jones, S.E., Munster, P.N., Peterson, P., Melemed, A.S., Winer, E., and Hudis, C. "Phase II, randomized, double-blind study of two dose levels of arzoxifene in patients with locally advanced or metastatic breast cancer" J Clin Oncol 21:1007-1014 (2003).

Caly, M., Genin, P., Ghuzlan, A.A., Elie, C., Freneaux, P., Klijanienko, J., Rosty, C., Sigal-Zafrani, B., Vincent-Salomon, A., Douggaz, A., et al. "Analysis of correlation between mitotic index, MIB1 score and S-phase fraction as proliferation markers in invasive breast carcinoma. Methodological aspects and prognostic value in a series of 257 cases" Anticancer Res 24:3283-3288 (2004).

Chia, S.K., Speers, C.H., Bryce, C.J., Hayes, M.M., and Olivotto, I.A. "Ten-year outcomes in a population-based cohort of node-negative, lymphatic, and vascular invasion-negative early breast cancers without adjuvant systemic therapies" J Clin Oncol 22:1630-1637 (2004).

Clark, G.M., Allred, D.C., Hilsenbeck, S.G., Chamness, G.C., Osborne, C.K., Jones, D., and Lee, W.H. "Mitosin (a new proliferation marker) correlates with clinical outcome in node-negative breast cancer" Cancer Res 57:5505-5508 (1997).

Cronin, M., Pho, M., Dutta, D., Stephans, J.C., Shak, S., Kiefer, M.C., Esteban, J.M., and Baker, J.B. "Measurement of gene expression in archival paraffin-embedded tissues: development and performance of a 92-gene reverse transcriptase-polymerase chain reaction assay" Am J Pathol 164:35-42 (2004).

Dalton, L.W., Page, D.L., and Dupont, W.D. "Histologic grading of breast carcinoma. A reproducibility study" Cancer 73:2765-2770 (1994).

Dhanasekaran SM, Barrette TR, Ghosh D, Shah R, Varambally S, Kurachi K, Pienta KJ, Rubin MA, Chinnaiyan AM. "Delineation of prognostic biomarkers in prostate cancer" Nature 412:822-826 (2001).

Diehn, M., Sherlock, G., Binkley, G., Jin, H., Matese, J.C., Hernandez-Boussard, T., Rees, C.A., Cherry, J.M., Botstein, D., Brown, P.O., et al. "SOURCE: a unified genomic resource of functional annotations, ontologies, and gene expression data" Nucleic Acids Res 31:219-223 (2003).

Dudoit, S., and Fridlyand, J. "A prediction-based resampling method for estimating the number of clusters in a dataset" Genome Biol 3:RESEARCH0036 (2002).

Efron, B., Tibshirani, R.J. "An Introduction to the Bootstrap" Boca Raton, Florida: CRC Press LLC. p 247 pp (1998).

Eggert A, Brodeur GM, Ikegaki N. "Relative quantitative RT-PCR protocol for TrkB expression in neuroblastoma using GAPD as an internal control" Biotechniques 28:681-682, 686, 688-691 (2000).

Eisen, M.B., Spellman, P.T., Brown, P.O., and Botstein, D. "Cluster analysis and display of genome-wide expression patterns" Proc Natl Acad Sci U S A 95:14863-14868 (1998).

Elston, C.W., and Ellis, I.O. "Pathological prognostic factors in breast cancer. I. The value of histological grade in breast cancer: experience from a large study with long-term follow-up" Histopathology 19:403-410 (1991).

Fisher, E.R., Osborne, C.K., McGuire, W.L., Redmond, C., Knight, W.A., 3rd, Fisher, B., Bannayan, G., Walder, A., Gregory, E.J., Jacobsen, A., et al. "Correlation of primary breast cancer histopathology and estrogen receptor content" Breast Cancer Res Treat 1:37-41 (1981).

Fisher, B., Costantino, J., Redmond, C., Poisson, R., Bowman, D., Couture, J., Dimitrov, N.V., Wolmark, N., Wickerham, D.L., Fisher, E.R., et al. "A randomized clinical trial evaluating tamoxifen in the treatment of patients with node-negative breast cancer who have estrogen-receptor-positive tumors" N Engl J Med 320:479-484 (1989).

Fitzgibbons, P.L., Page, D.L., Weaver, D., Thor, A.D., Allred, D.C., Clark, G.M., Ruby, S.G., O'Malley, F., Simpson, J.F., Connolly, J.L., et al. "Prognostic factors in breast cancer. College of American Pathologists Consensus Statement 1999" Arch Pathol Lab Med 124:966-978 (2000).

Frank SG, Bernard, P.S. "Profiling Breast Cancer using Real-Time Quantitative PCR. In Rapid Cycle Real-Time PCR: Methods and Applications" Edited by S. Meuer W, C., Nakagawara, K. Heidelberg, Germany, Springer pp 95-106 (2003).

Frierson, H.F., Jr., Wolber, R.A., Berean, K.W., Franquemont, D.W., Gaffey, M.J., Boyd, J.C., and Wilbur, D.C. "Interobserver reproducibility of the Nottingham modification of the Bloom and Richardson histologic grading scheme for infiltrating ductal carcinoma" Am J Clin Pathol 103:195-198 (1995).

Genestie, C., Zafrani, B., Asselain, B., Fourquet, A., Rozan, S., Validire, P., Vincent-Salomon,

A., and Sastre-Garau, X. "Comparison of the prognostic value of Scarff-Bloom-Richardson and Nottingham histological grades in a series of 825 cases of breast cancer: major importance of the mitotic count as a component of both grading systems" Anticancer Res 18:571-576 (1998).

Greenough, R.B. "Varying degrees of malignancy in cancer of the breast" J Cancer Res 9:452-463 (1925).

Gruvberger, S., Ringner, M., Chen, Y., Panavally, S., Saal, L.H., Borg, A., Ferno, M., Peterson, C., and Meltzer, P.S. "Estrogen receptor status in breast cancer is associated with remarkably distinct gene expression patterns" Cancer Res 61:5979-5984 (2001).

Henson, D.E., Ries, L., Freedman, L.S., and Carriaga, M. "Relationship among outcome, stage of disease, and histologic grade for 22,616 cases of breast cancer. The basis for a prognostic index" Cancer 68:2142-2149 (1991).

Ishida, S., Huang, E., Zuzan, H., Spang, R., Leone, G., West, M., and Nevins, J.R. "Role for E2F in control of both DNA replication and mitotic functions as revealed from DNA microarray analysis" Mol Cell Biol 21:4684-4699 (2001).

Iwahashi, H., Eguchi, Y., Yasuhara, N., Hanafusa, T., Matsuzawa, Y., and Tsujimoto, Y. "Synergistic anti-apoptotic activity between Bcl-2 and SMN implicated in spinal muscular atrophy" Nature 390:413-417 (1997).

Kollias, J., Murphy, C.A., Elston, C.W., Ellis, I.O., Robertson, J.F., and Blamey, R.W. "The prognosis of small primary breast cancers" Eur J Cancer 35:908-912 (1999).

Kristt D, Turner I, Koren R, Ramadan E, Gal R. "Overexpression of cyclin D1 mRNA in colorectal carcinomas and relationship to clinicopathological features: an in situ hybridization analysis" Pathol Oncol Res 6:65-70 (2000).

Laping, N.J., Olson, B.A., and Zhu, Y. "Identification of a novel nuclear guanosine triphosphate-binding protein differentially expressed in renal disease" J Am Soc Nephrol 12:883-890 (2001).

Manders, P., Bult, P., Sweep, C.G., Tjan-Heijnen, V.C., and Beex, L.V. "The prognostic value of the mitotic activity index in patients with primary breast cancer who were not treated with adjuvant systemic therapy" Breast Cancer Res Treat 77:77-84 (2003).

Makretsov, N.A., Huntsman, D.G., Nielsen, T.O., Yorida, E., Peacock, M., Cheang, M.C., Dunn, S.E., Hayes, M., van de Rijn, M., Bajdik, C., et al. "Hierarchical clustering analysis of tissue microarray immunostaining data identifies prognostically significant groups of breast carcinoma" Clin Cancer Res 10:6143-6151 (2004).

Michels, J.J., Marnay, J., Delozier, T., Denoux, Y., and Chasle, J. "Proliferative activity in primary breast carcinomas is a salient prognostic factor" Cancer 100:455-464 (2004).

Miller CL, Yolken RH. "Methods to optimize the generation of cDNA from postmortem human brain tissue" Brain Res Brain Res Protoc 10:156-167 (2003).

Mischel PS, Nelson SF, Cloughesy TF. "Molecular analysis of glioblastoma: pathway profiling

and its implications for patient therapy" Cancer Biol Ther 2:242-247 (2003).

Nielsen, T.O., Hsu, F.D., Jensen, K., Cheang, M., Karaca, G., Hu, Z., Hernandez-Boussard, T., Livasy, C., Cowan, D., Dressler, L., et al. "Immunohistochemical and clinical characterization of the basal-like subtype of invasive breast carcinoma" Clin Cancer Res 10:5367-5374 (2004).

Paik, S., Shak, S., Tang, G., Kim, C., Baker, J., Cronin, M., Baehner, F.L., Walker, M.G., Watson, D., Park, T., et al. "A multigene assay to predict recurrence of tamoxifen-treated, node-negative breast cancer" N Engl J Med 351:2817-2826 (2004).

Panaro NJ, Yuen PK, Sakazume T, Fortina P, Kricka LJ, Wilding P. "Evaluation of DNA fragment sizing and quantification by the agilent 2100 bioanalyzer" Clin Chem 46:1851-1853 (2000).

Perou CM, Sorlie T, Eisen MB, van de Rijn M, Jeffrey SS, Rees CA, Pollack JR, Ross DT, Johnsen H, Akslen LA, Fluge O, Pergamenschikov A, Williams C, Zhu SX, Lonning PE, Borresen-Dale AL, Brown PO, Botstein D. "Molecular portraits of human breast tumours" Nature 406:747-752 (2000).

Perou CM, Brown PO, Botstein D. "Tumor classification using gene expression patterns from DNA microarrays" New Technologies for life sciences: A Trends Guide pp 67-76 (2000).

Perou, C.M., Jeffrey, S.S., van de Rijn, M., Rees, C.A., Eisen, M.B., Ross, D.T., Pergamenschikov, A., Williams, C.F., Zhu, S.X., Lee, J.C., et al. "Distinctive gene expression patterns in human mammary epithelial cells and breast cancers" Proc Natl Acad Sci U S A 96:9212-9217 (1999).

Pinheiro JC BD. "Mixed-effects models in S and S-PLUS" New York, Springer (2000).

Pollack, J.R., Sorlie, T., Perou, C.M., Rees, C.A., Jeffrey, S.S., Lonning, P.E., Tibshirani, R., Botstein, D., Borresen-Dale, A.L., and Brown, P.O. "Microarray analysis reveals a major direct role of DNA copy number alteration in the transcriptional program of human breast tumors" Proc Natl Acad Sci U S A 99:12963-12968 (2002).

Pollack, J.R., Perou, C.M., Alizadeh, A.A., Eisen, M.B., Pergamenschikov, A., Williams, C.F., Jeffrey, S.S., Botstein, D., and Brown, P.O. "Genome-wide analysis of DNA copy-number changes using cDNA microarrays" Nature Genetics 23:41-46 (1999).

Rasmussen RP. "Quantification on the LightCycler. In Rapid Cycle Real-Time PCR: Methods and Applications" Edited by Wittwer CT, Meuer, S., Nakagawara, K. Heidelberg, Springer Verlag, pp 21-34 (2001).

Robbins, P., Pinder, S., de Klerk, N., Dawkins, H., Harvey, J., Sterrett, G., Ellis, I., and Elston, C. "Histological grading of breast carcinomas: a study of interobserver agreement" Hum Pathol 26:873-879 (1995).

Ross, D.T., Scherf, U., Eisen, M.B., Perou, C.M., Rees, C., Spellman, P., Iyer, V., Jeffrey, S.S., Van de Rijn, M., Waltham, M., et al. "Systematic variation in gene expression patterns in human cancer cell lines [see comments]" Nat Genet 24:227-235 (2000).

Roux S, Pichaud F, Quinn J, Lalande A, Morieux C, Jullienne A, de Vernejoul MC. "Effects of prostaglandins on human hematopoietic osteoclast precursors" Endocrinology 138:1476-1482 (1997).

SantaLucia J. "A unified view of polymer, dumbbell, and oligonucleotide DNA nearest-neighbor thermodynamics" Proc Natl Acad Sci U S A 95:1460-1465 (1998).

Schena M, Shalon D, Davis RW, Brown PO. "Quantitative monitoring of gene expression patterns with a complementary DNA microarray" Science 270:467-470 (1995).

Schwarz G. "Estimating the dimension of a model" The Annals of Statistics 6:461-464 (1978).

Singletary, S.E., Allred, C., Ashley, P., Bassett, L.W., Berry, D., Bland, K.I., Borgen, P.I., Clark, G.M., Edge, S.B., Hayes, D.F., et al. "Staging system for breast cancer" revisions for the 6th edition of the AJCC Cancer Staging Manual. Surg Clin North Am 83:803-819 (2003).

Sorlie, T., Tibshirani, R., Parker, J., Hastie, T., Marron, J.S., Nobel, A., Deng, S., Johnsen, H., Pesich, R., Geisler, S., et al. "Repeated observation of breast tumor subtypes in independent gene expression data sets" Proc Natl Acad Sci U S A 100:8418-8423 (2003).

Sørlie, T., Perou, C.M., Tibshirani, R., Aas, T., Geisler, S., Johnsen, H., Hastie, T., Eisen, M.B., van de Rijn, M., Jeffrey, S.S., et al. "Gene expression patterns of breast carcinomas distinguish tumor subclasses with clinical implications" Proc Natl Acad Sci U S A 98:10869-10874 (2001).

Sotiriou, C., Neo, S.Y., McShane, L.M., Korn, E.L., Long, P.M., Jazaeri, A., Martiat, P., Fox, S.B., Harris, A.L., and Liu, E.T. "Breast cancer classification and prognosis based on gene expression profiles from a population-based study" Proc Natl Acad Sci U S A 100:10393-10398 (2003).

Spanakis E. "Problems related to the interpretation of autoradiographic data on gene expression using common constitutive transcripts as controls" Nucleic Acids Res 21:3809-3819 (1993).

Suzuki T, Higgins PJ, Crawford DR. "Control selection for RNA quantitation" Biotechniques 29:332-337 (2000).

Szabo, A., Perou, C.M., Karaca, M., Perreard, L., Quackenbush, J.F., and Bernard, P.S. "Statistical modeling for selecting housekeeper genes" Genome Biol 5:R59 (2004).

Taylor-Papadimitriou, J., Stampfer, M., Bartek, J., Lewis, A., Boshell, M., Lane, E.B., and Leigh, I.M. "Keratin expression in human mammary epithelial cells cultured from normal and malignant tissue: relation to in vivo phenotypes and influence of medium" J Cell Sci 94:403-413 (1989).

Troyanskaya, O., Cantor, M., Sherlock, G., Brown, P., Hastie, T., Tibshirani, R., Botstein, D., and Altman, R.B. "Missing value estimation methods for DNA microarrays" Bioinformatics 17:520-525 (2001).

Tubbs RR, Pettay JD, Roche PC, Stoler MH, Jenkins RB, Grogan TM. "Discrepancies in clinical laboratory testing of eligibility for trastuzumab therapy: apparent immunohistochemical false-positives do not get the message" J Clin Oncol 19:2714-2721 (2001).

van de Vijver MJ, He YD, van't Veer LJ, Dai H, Hart AA, Voskuil DW, Schreiber GJ, Peterse JL, Roberts C, Marton MJ, Parrish M, Atsma D, Witteveen A, Glas A, Delahaye L, van der Velde T, Bartelink H, Rodenhuis S, Rutgers ET, Friend SH, Bernards R. "A gene-expression signature as a predictor of survival in breast cancer" N Engl J Med 347:1999-2009 (2002).

van 't Veer, L.J., Dai, H., van de Vijver, M.J., He, Y.D., Hart, A.A., Mao, M., Peterse, H.L., van der Kooy, K., Marton, M.J., Witteveen, A.T., et al. "Gene expression profiling predicts clinical outcome of breast cancer" Nature 415:530-536 (2002).

Vandesompele J, De Preter K, Pattyn F, Poppe B, Van Roy N, De Paepe A, Speleman F. "Accurate normalization of real-time quantitative RT-PCR data by geometric averaging of multiple internal control genes" Genome Biol 3:RESEARCH0034 (2002).

Welsh JB, Zarrinkar PP, Sapinoso LM, Kern SG, Behling CA, Monk BJ, Lockhart DJ, Burger RA, Hampton GM. "Analysis of gene expression profiles in normal and neoplastic ovarian tissue samples identifies candidate molecular markers of epithelial ovarian cancer" Proc Natl Acad Sci U S A 98:1176-1181 (2001).

West, M., Blanchette, C., Dressman, H., Huang, E., Ishida, S., Spang, R., Zuzan, H., Olson, J.A., Jr., Marks, J.R., and Nevins, J.R. "Predicting the clinical status of human breast cancer by using gene expression profiles" Proc Natl Acad Sci U S A 98:11462-11467 (2001).

Whitfield, M.L., Sherlock, G., Saldanha, A.J., Murray, J.I., Ball, C.A., Alexander, K.E., Matese, J.C., Perou, C.M., Hurt, M.M., Brown, P.O., et al. "Identification of genes periodically expressed in the human cell cycle and their expression in tumors" Mol Biol Cell 13:1977-2000 (2002).

Wittwer CT, a.K., N. "Real-time PCR. In Molecular Microbiology" T. Persing DH, FC, Versalovic, J, Tang, YW, Unger, ER, Relman, DA, and White, TJ, editor. Washington, DC: ASM Press (2004).

Yang, Y.H., Dudoit, S., Luu, P., Lin, D.M., Peng, V., Ngai, J., and Speed, T.P. "Normalization for cDNA microarray data: a robust composite method addressing single and multiple slide systematic variation" Nucleic Acids Res 30:e15 (2002).

Yu, K., Lee, C.H., Tan, P.H., and Tan, P. "Conservation of breast cancer molecular subtypes and transcriptional patterns of tumor progression across distinct ethnic populations" Clin Cancer Res 10:5508-5517 (2004).

VI. CLAIMS

What is claimed is:

1. A method of diagnosing cancer, the method comprising comparing expression levels of a combination of genes from Table 21 to test nucleic acids, wherein specific expression patterns of the test nucleic acids indicates a cancerous state.

2. The method of claim 1, wherein the combination of genes includes at least 10 genes from Table 21.

3. The method of claim 1, wherein the combination of genes includes at least 25 genes from Table 21.

4. The method of claim 1, wherein the combination of genes includes at least 50 genes from Table 21.

5. The method of claim 1, wherein the combination of genes includes at least 75 genes from Table 21.

6. A method of quantitating level of expression of a test nucleic acid comprising: a) comparing gene expression levels of a combination of genes from Table 21 to test nucleic acids corresponding to the same combination of genes; and b) quantitating level of expression of the test nucleic acid.

7. A method determining prognosis based on expression patterns in a subject diagnosed with cancer comprising: a) comparing expression levels of a combination of genes from Table 21 to test nucleic acids corresponding to the same combination of genes, b) identifying a subtype of cancer of the subject, and c) determining prognosis based on expression patterns in the subject.

8. A method of classifying cancer in a subject, comprising: a) identifying intrinsic genes of the subject to be used to classify the cancer; b) obtaining a sample from the subject; c) amplifying and detecting levels of intrinsic genes in the subject; and d)classifying cancer based upon results of step c.

9. A method of diagnosing cancer in a subject the method comprising: a) amplifying and detecting intrinsic genes; and b) diagnosing cancer based on expression levels of the gene within the subject.

10. A method of deriving a minimal intrinsic gene set for making biological

classifications of cancer comprising:

a) collecting data from multiple samples from the same individual to identify potential intrinsic classifier genes;

b) weighting intrinsic classifier genes of multiple individuals identified using the method of step a relative to each other and forming classification clusters;

c) estimating the number of clusters formed in step b) and assigning individual samples to classification clusters;

d) identifying genes that optimally distinguish the samples in the assigned groups of step c);

e) performing iterative cross-validation with a nearest centroid classifier and overlapping gene sets of various sizes using the genes identified in step d); and

f) choosing a gene set which provides the highest class prediction accuracy when compared to the classifications made in step b).

11. The method of claim 10, wherein the cancer is selected from the group consisting of breast cancer, colon cancer, or melanoma.

12. The method of any one of claims 1-10, wherein the genes are derived from fresh samples.

13. The method of any one of claims 1-10, wherein the genes are derived from formalin-fixed paraffin embedded (FFPE) samples.

14. The method of claim 10, wherein sample comprises mRNA.

15. The method of claim 10, wherein the sample is amplified by PCR.

16. The method of claim 15, wherein the PCR is real time PCR.

17. The method of claim 11, wherein the breast cancer is classified into luminal, normal-like, HER2+/ER-, and basal-like.

18. The method of claim 10, wherein the intrinsic gene set is identified using a microarray.

19. The method of claim 10, wherein the intrinsic gene set is modified from a microarray.

20. The method of claim 19, wherein the intrinsic gene set includes at least one

"housekeeper" gene."

21. A method of assigning a sample to an intrinsic subtype, comprising:

a) creating an intrinsic subtype average profile (centroid) for each subtype;

b) individually comparing a new sample to each centroid; and

c) assigning the new sample to the centroid that is most similar to an expression profile of the new sample.

Figure 1

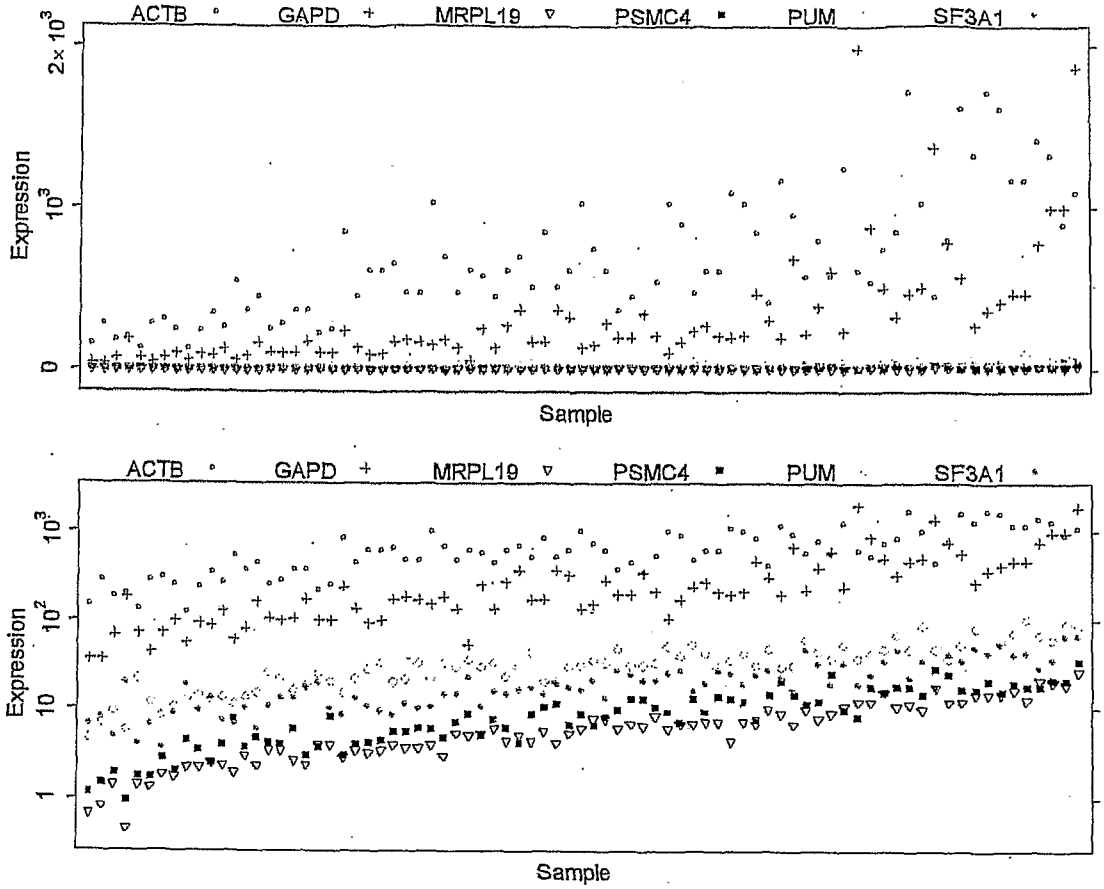

ACTB
GAPD
MRPL19
PSMC4
PUM
SF3A1
Expression
Sample
ACTB
GAPD
MRPL19
PSMC4
PUM
SF3A1
Expression
Sample

Figure 4

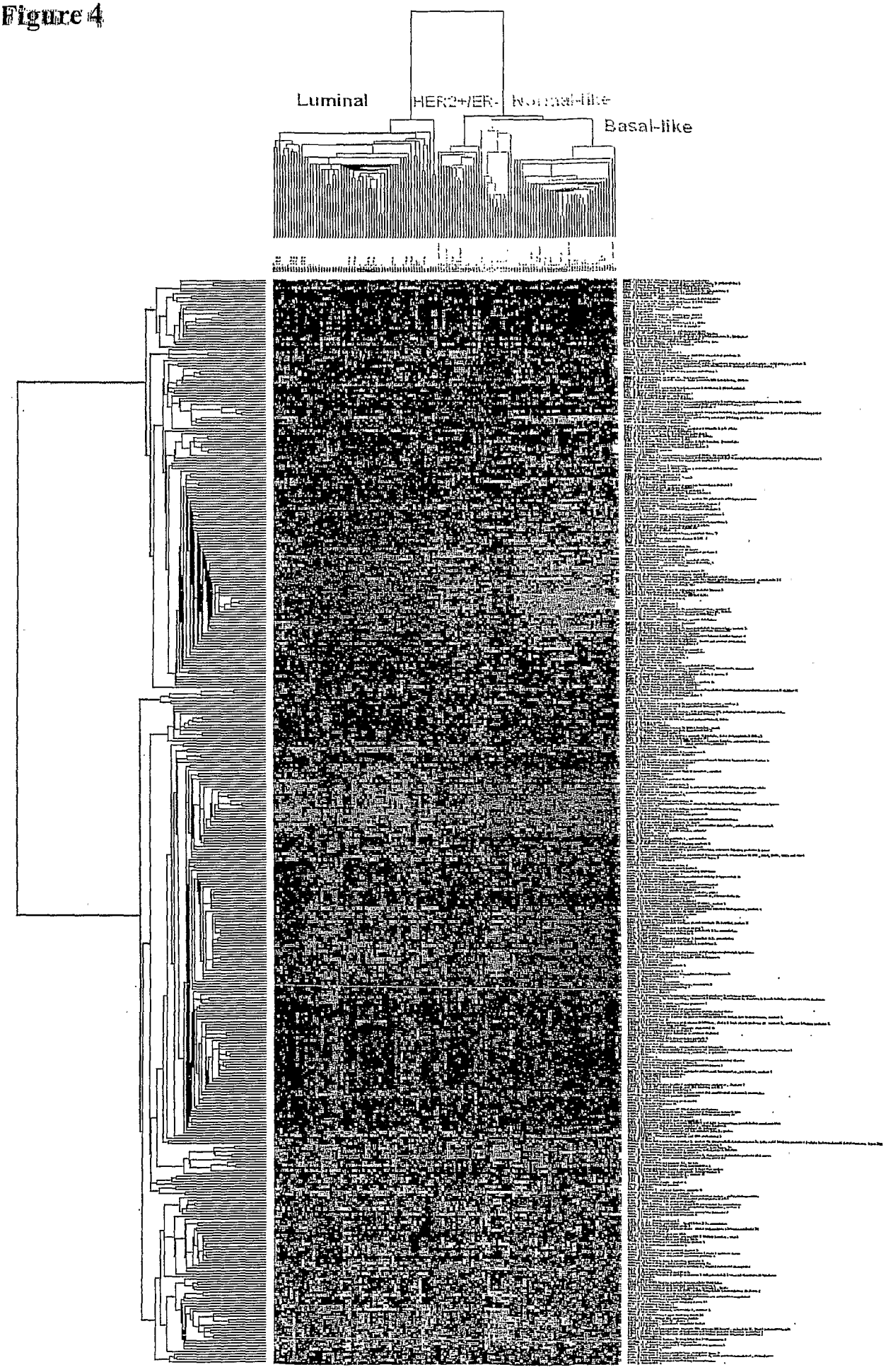
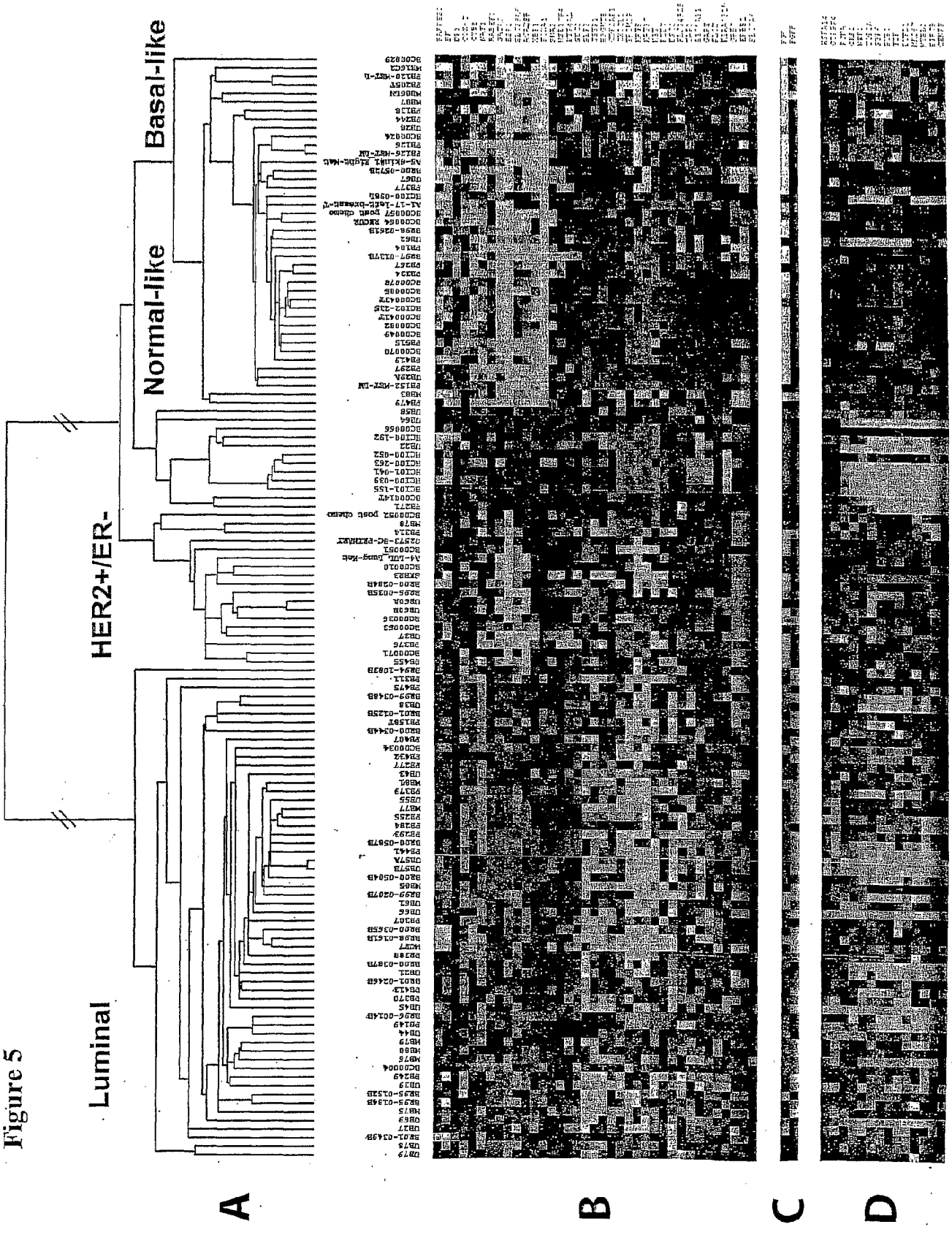


Figure 5



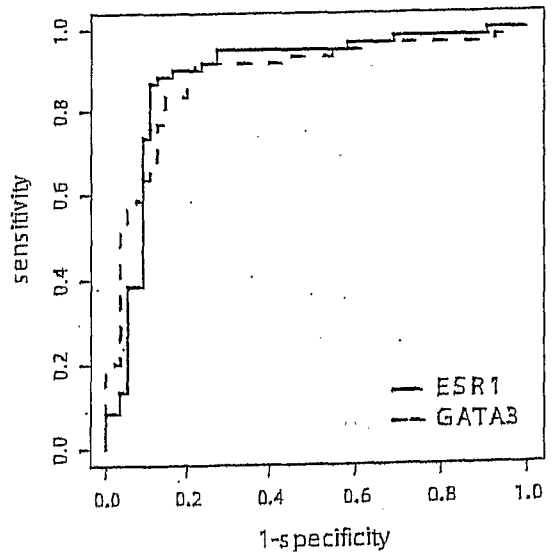
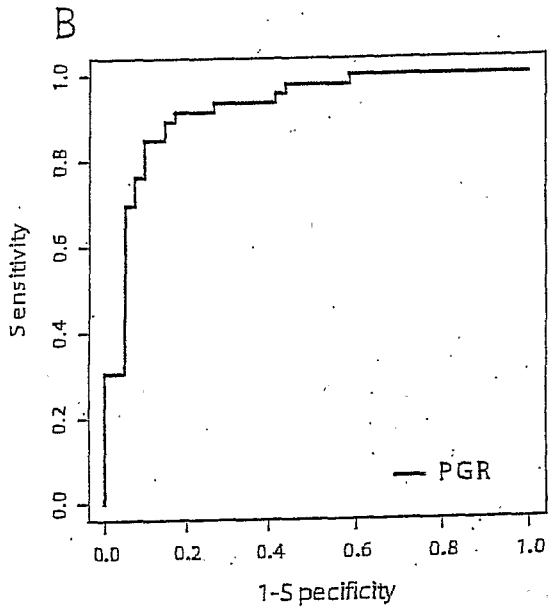

sensitivity
1-specificity
ESR1
GATA3

Figure 6


B
Sensitivity
1-Specificity
PGR

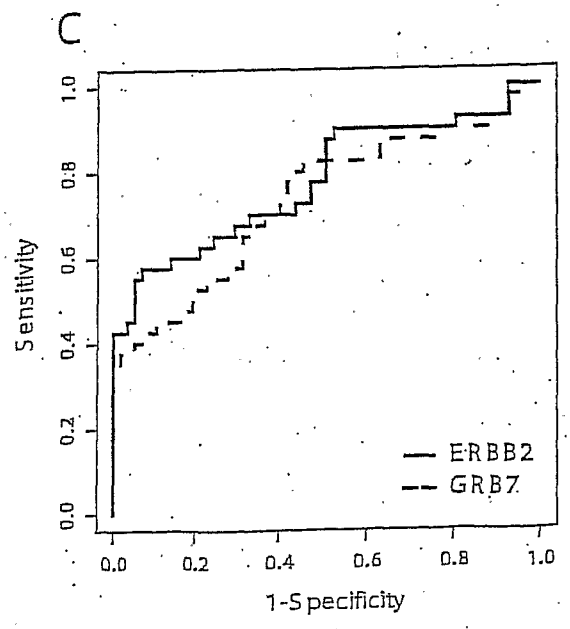
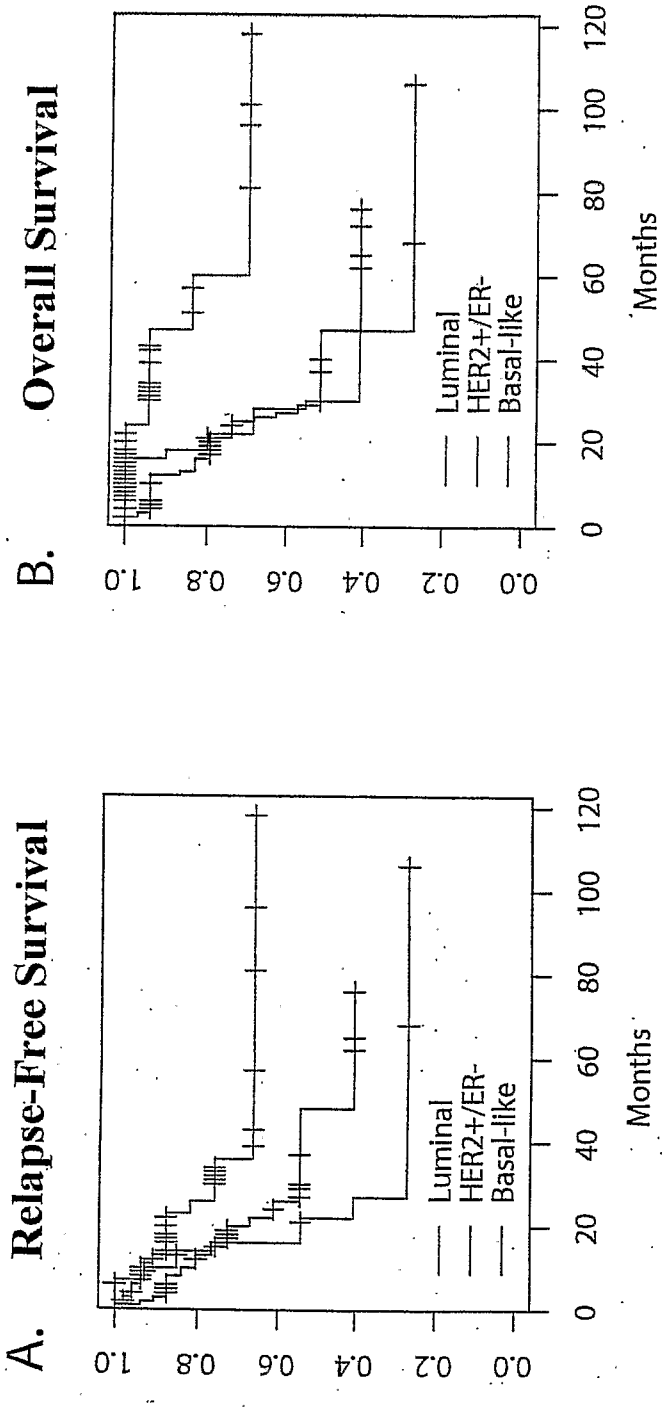

C
Sensitivity
1-Specificity
ERBB2
GRB7

Figure 7


A. Relapse-Free Survival
B. Overall Survival
Luminal
HER2+/ER-
Basal-like
Months
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
120

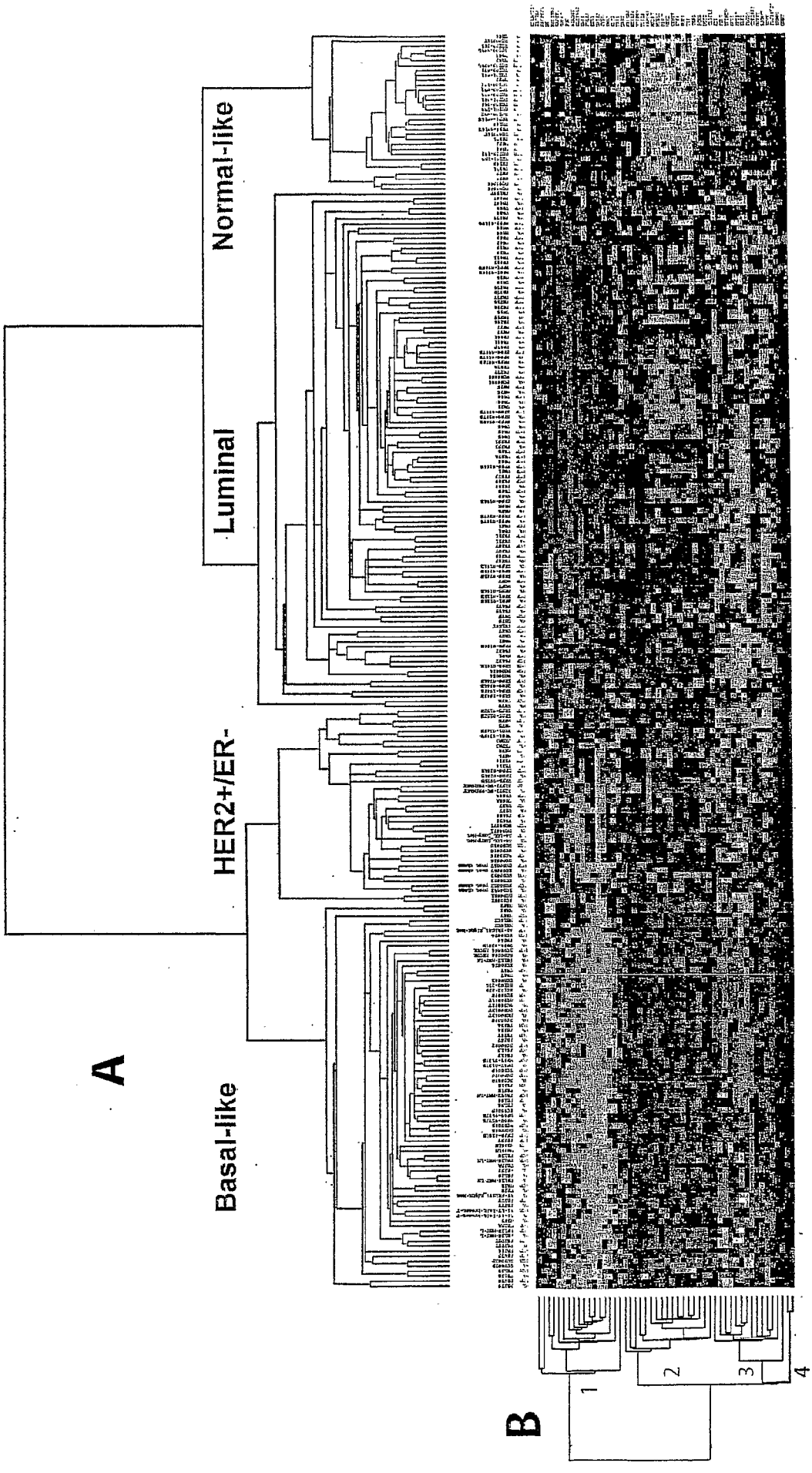


Figure 9

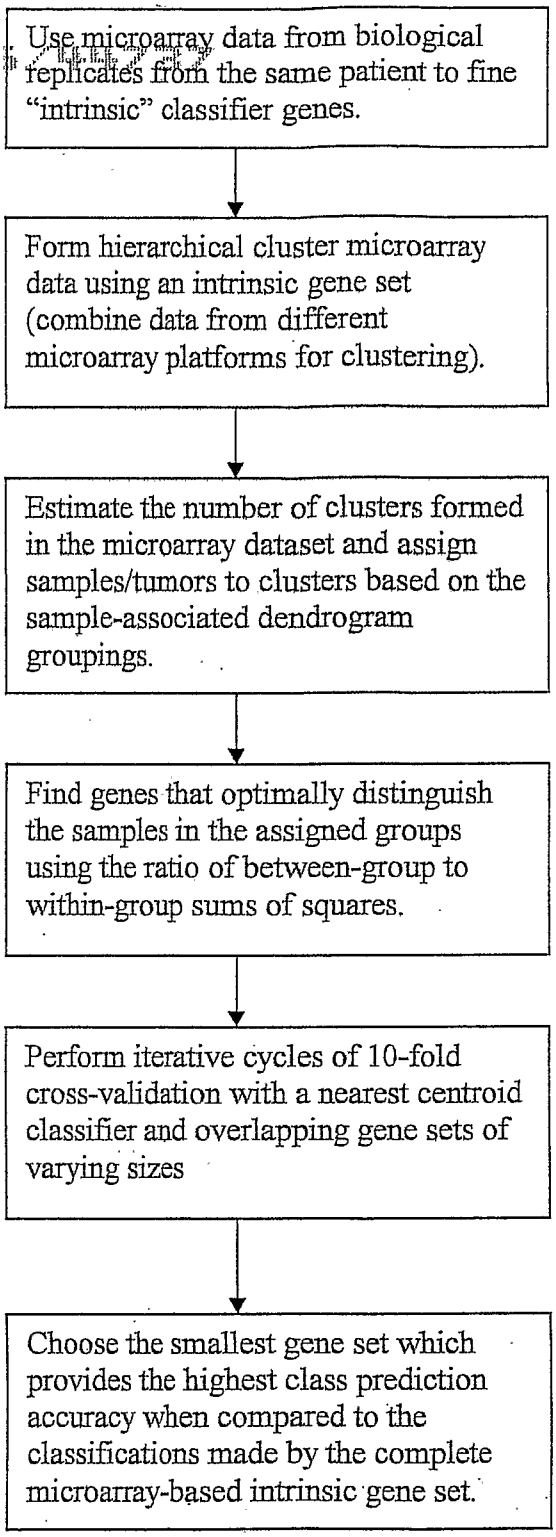
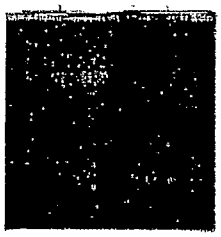

Use microarray data from biological replicates from the same patient to fine "intrinsic" classifier genes.
Form hierarchical cluster microarray data using an intrinsic gene set (combine data from different microarray platforms for clustering).
Estimate the number of clusters formed in the microarray dataset and assign samples/tumors to clusters based on the sample-associated dendrogram groupings.
Find genes that optimally distinguish the samples in the assigned groups using the ratio of between-group to within-group sums of squares.
Perform iterative cycles of 10-fold cross-validation with a nearest centroid classifier and overlapping gene sets of varying sizes
Choose the smallest gene set which provides the highest class prediction accuracy when compared to the classifications made by the complete microarray-based intrinsic gene set.

Figure 10



Training Set

A data set of tumors and normal breast samples, containing paired biological replicates, are used to find an "intrinsic" gene set

5-Class and 7-Class: 105 tumor and 9 normal breast samples (24 paired tumor samples and 2 paired normal breast samples) representing 146 arrays are used to derive 1300 "intrinsic" genes (Hu et al)





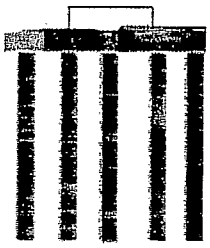
Combined Test Set

The "intrinsic" gene set is "tested" on new tumors and normal breast samples after combining different datasets (across platform analyses may be performed) and common gene/elements are hierarchical clustered

5-Class: Samples from Sorlie et al. 2001 and 2003, van't Veer et al. 2002 and Sotiriou et al. 2003 were combined into a single dataset consisting of 311 tumors and 4 normal breast samples (315 arrays). Samples were clustered using a common set of "intrinsic" genes (306 genes).

7-Class: The 105 tumors from the training set were combined with samples from several institutions from the US (UNC, DU, TJU, UC) and samples from the the Netherlands Cancer Institute (Chang et al. PNAS 2005) to make a test set of 520 samples. Samples are clustered using a common set of "intrinsic genes.





Subtype Centroids and a Single Sample Predictor (SSP)

The "test set" is used as a training set to create subtype centroids based upon the expression of the common "intrinsic" genes. New samples are assigned to the subtype corresponding to the nearest centroid when using Spearman correlation values

5-Class: Hierarchical clustering used to identify 5 groups

7-Class: Hierarchical clustering used to identify 7 groups

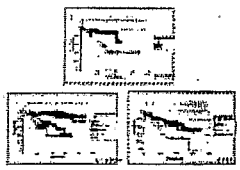




Developing a Minimal "Intrinsic" Gene List from the SSP

Each gene and gene set are ranked based on correlation to the centroids and using 10-fold cross validation with expanding gene sets. Subtypes are assigned for each gene set and the minimal gene set with the highest agreement in sample assignment to the full "intrinsic" gene set is used





Additional Test Sets for the SSP

The subtype centroids (either all intrinsic genes or the minimal gene lists) are used to make subtype predictions on additional test sets (eg, homogenously treated patients from clincial trial groups). The resulting classifications are then analyzed using Kaplan-Meier survival plots to determine prognostic and therapeutic significance

FIG. 11

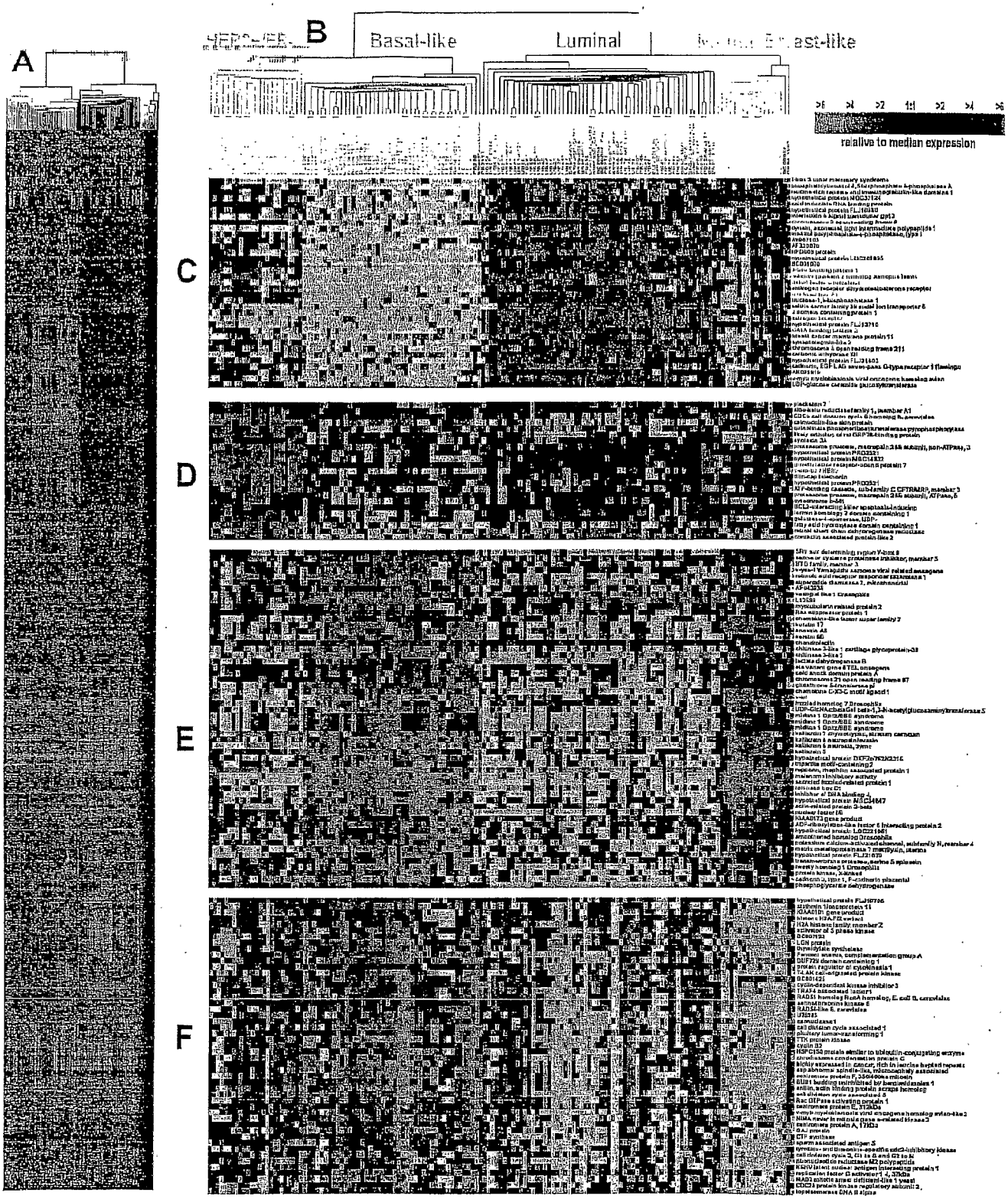


Figure 12

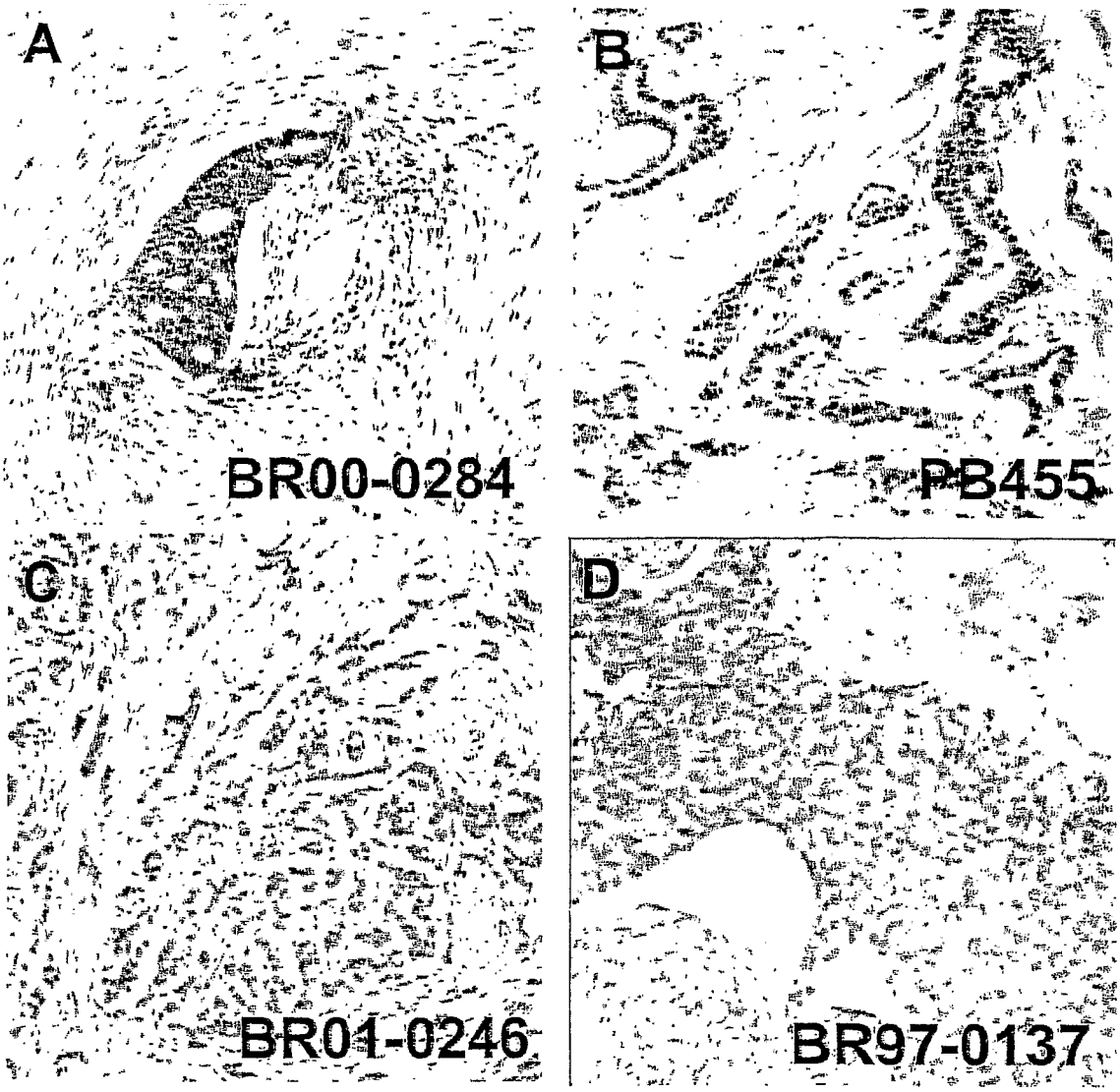
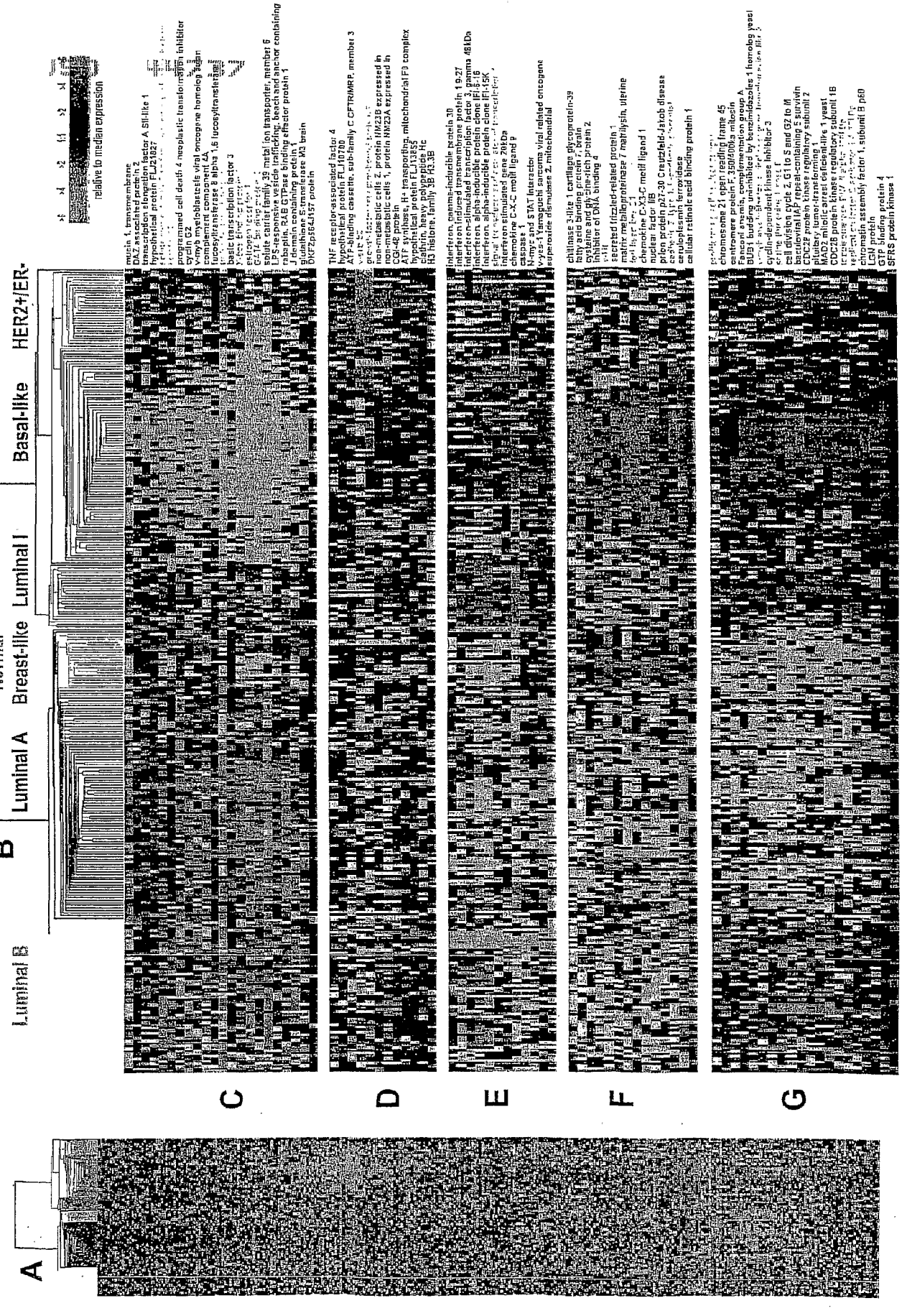


Figure 13

FIG. 14



Huret al.

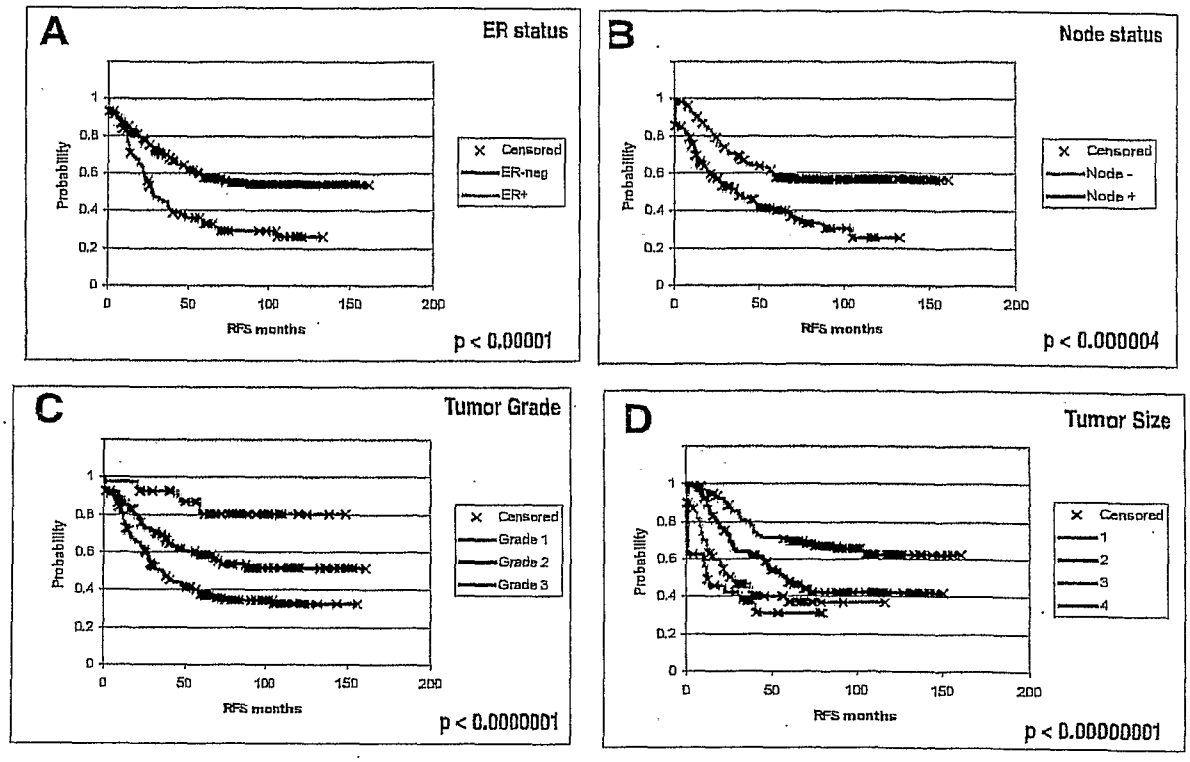

A
ER status
Probability
RFS months
Censored
ER-neg
ER+
p < 0.00001
B
Node status
Probability
RFS months
Censored
Node -
Node +
p < 0.000004
C
Tumor Grade
Probability
RFS months
Censored
Grade 1
Grade 2
Grade 3
p < 0.0000001
D
Tumor Size
Probability
RFS months
Censored
1
2
3
4
p < 0.00000001

FIG. 15

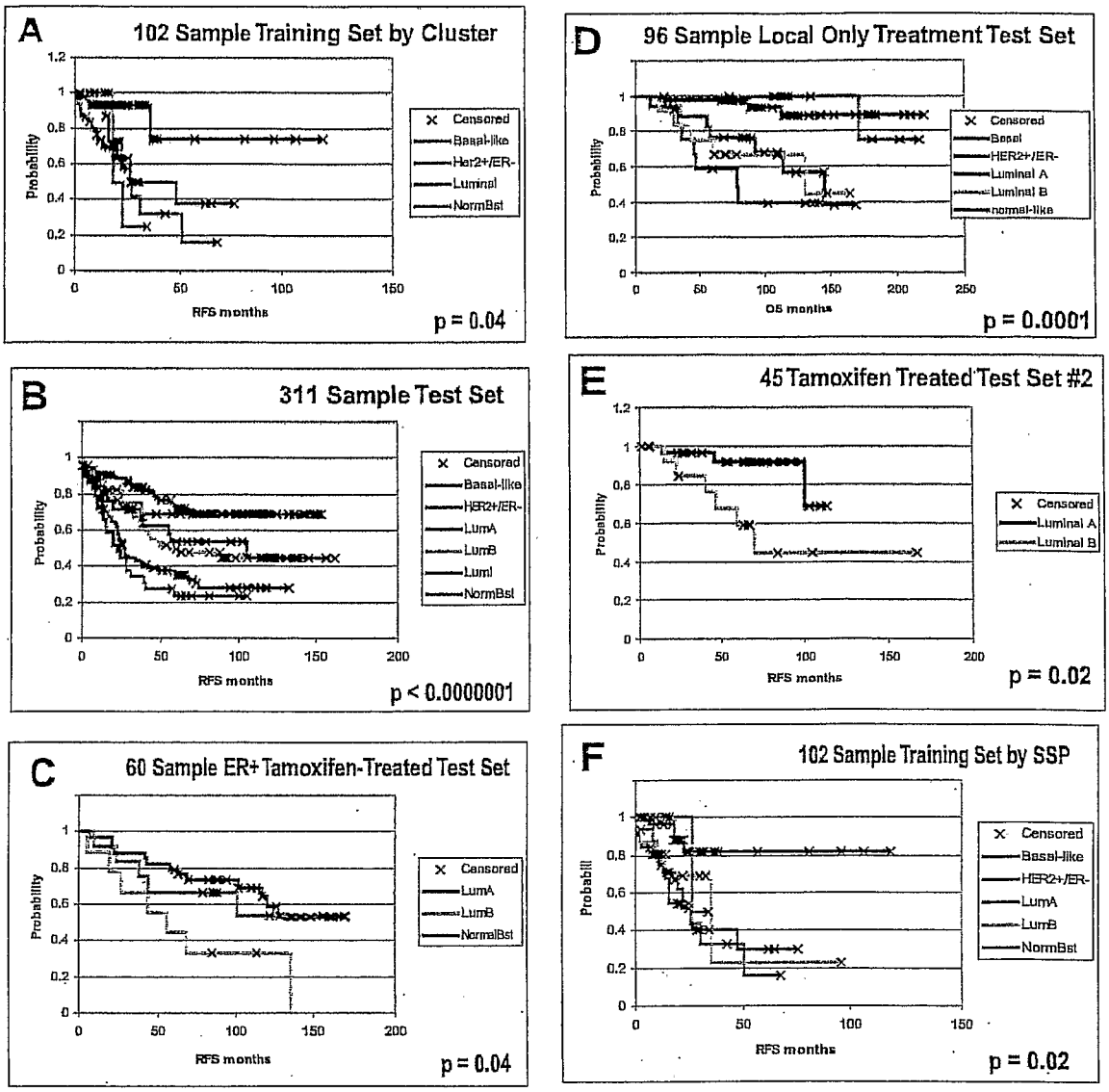
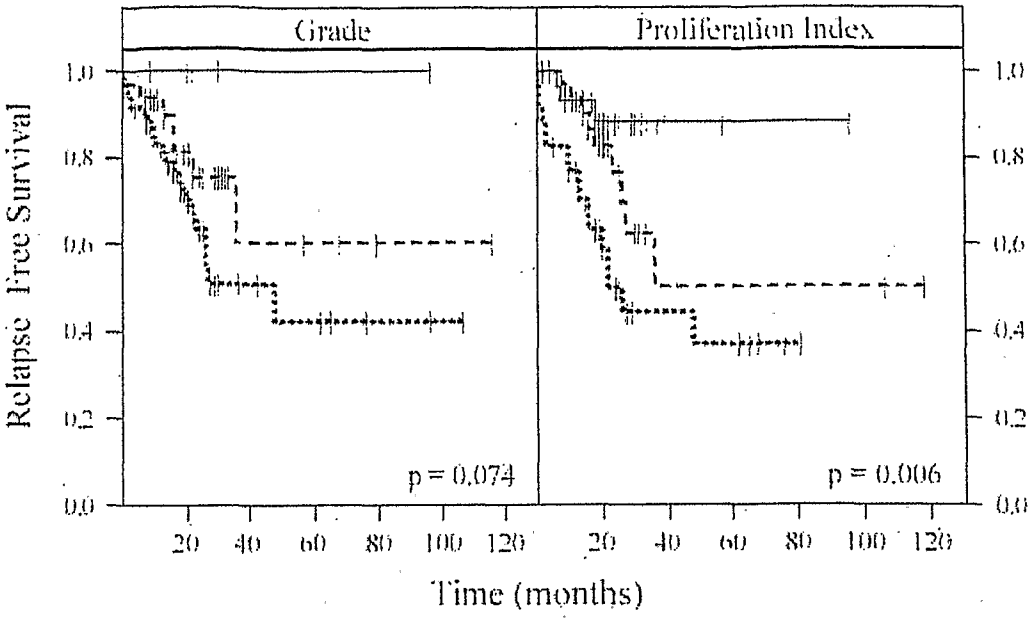

A
102 Sample Training Set by Cluster
Probability
RFS months
Censored
Basal-like
Her2+/ER-
Luminal
NormBst
p = 0.04
D
96 Sample Local Only Treatment Test Set
Probability
OS months
Censored
Basal
HER2+/ER-
Luminal A
Luminal B
normal-like
p = 0.0001
B
311 Sample Test Set
Probability
RFS months
Censored
Basal-like
HER2+/ER-
LumA
LumB
Luml
NormBst
p < 0.0000001
E
45 Tamoxifen Treated Test Set #2
Probability
RFS months
Censored
Luminal A
Luminal B
p = 0.02
C
60 Sample ER+ Tamoxifen-Treated Test Set
Probability
RFS months
Censored
LumA
LumB
NormalBst
p = 0.04
F
102 Sample Training Set by SSP
Probabili
RFS months
Censored
Basal-like
HER2+/ER-
LumA
LumB
NormBst
p = 0.02

Figure 16

Figure 17


Grade
Proliferation Index
Relapse Free Survival
1.0
0.8
0.6
0.4
0.2
0.0
p = 0.074
p = 0.006
20
40
60
80
100
120
Time (months)