(57) Abrégé/Abstract:
The invention encompasses compositions and methods for treating disorders and diseases associated with overweight. The application also encompasses genes differentially expressed in animals and particularly to genes differentially expressed in overweight animals compared to lean animals.
ABSTRACT

The invention encompasses compositions and methods for treating disorders and diseases associated with overweight. The application also encompasses genes differentially expressed in animals and particularly to genes differentially expressed in overweight animals compared to lean animals.
CLAIMS:

1. The composition for feline consumption comprising:

(a) 30 wt. % to 37 wt. % of crude protein on a dry matter basis;

(b) 7.5 wt. % to 9 wt. % of crude fat on a dry matter basis;

(c) 30 wt. % to 35 wt. % of total dietary fiber on a dry matter basis; and

(d) 20 wt. % to 25 wt. % of crude fiber on a dry matter basis.

2. The composition of claim 1, wherein the protein is present in an amount of

31 wt. % to 36 wt. %, and or,

wherein the crude fat is present in an amount of or 8.0 wt. %, 8.5 wt. %.

3. The composition of claim 2, wherein the protein is present in an amount of

33 % to 35 %.

4. The composition of claim 1, wherein the composition further comprises at least

0.02 % omega-3 polyunsaturated fatty acid.

5. The composition of claim 1, further comprising 0.05 % to 10 % omega-3

polyunsaturated fatty acid.

6. The composition of claim 1, further comprising 0.1 % to 6 % omega-3

polyunsaturated fatty acid.

7. The composition of claim 4, 5, or 6 wherein the omega-3 polyunsaturated fatty

acid is Docosahexaenoic acid (DHA) and/or Eicosapentaenoic acid (EPA).

8. The composition of any one of claims 1 to 7, wherein the composition is for

use in medicine.
9. The composition of any one of claims 1 to 7, wherein the composition is for use in preventing or treating obesity.
FIGURE 1

New Canine r/d®

Discontinued Canine r/d®

1.3 - 1.6% Body Weight Loss Per Week

1.0 - 2.7% Body Weight Loss Per Week
FIGURE 2

Lean  Obese

33.2% CP  47.5% CP
8.7% Fat  27.1% Fat
26.7% TDF  6.2% TDF

Dogs lost 2.8 ± 0.3 kg body fat in 4 months
Dogs lost 3.0 ± 0.4 kg body fat in 4 months

Gene Expression Profiles