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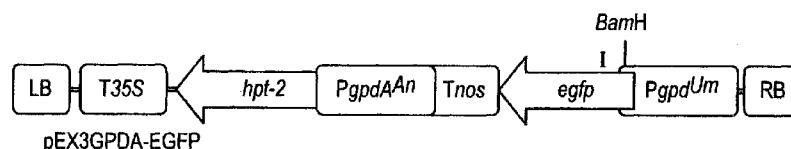
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(54) Title: GENETIC MANIPULATION AND EXPRESSION SYSTEMS FOR PUCCINIOMYCOTINA AND USTILAGINOMYCOTINA SUBPHYLA



(57) Abstract: The present invention relates to the application of isolated promoters and synthetic dominant selection constructs and enhancers for gene targeting for efficient production of genetically modified cells in a species selected from the Pucciniomycotina and Ustilaginomycotina subphyla, in particular, species selected from the Rhodosporidium, Sporisorium, Sporobolomyces or Ustilago genera.