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(54) Title: OBESITY RELATED GENES EXPRESSED AT LEAST IN THE HYPOTALAMUS, LIVER OR PANCREAS

(57) Abstract: The present invention relates generally to nucleic acid molecules expressed at least in the hypothalamus, liver or pancreas identified using differential display techniques under differing physiological conditions. The nucleic acid molecules are associated with or act as markers for conditions of a healthy state, obesity, anorexia, weight maintenance, diabetes and/or metabolic energy levels. More particularly, the present invention is directed to a nucleic acid molecule and/or its expression product for use in therapeutic and diagnostic protocols for conditions such as obesity, anorexia, weight maintenance, diabetes and energy imbalance. The subject nucleic acid molecule and expression product and their derivatives, homologs, analogs and mimetics are proposed to be useful, therefore, as therapeutic and diagnostic agents for obesity, anorexia, weight maintenance, diabetes and energy imbalance or as targets for the design and/or identification of modulators of their activity and/or function.