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# United States Patent [19]

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**Kleyn et al.**

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[54] **METHODS FOR DETECTING MAMMALIAN TUB PROTEIN AND RNA**

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[58] **Field of Search** ..... 435/6, 7.1, 7.92, 435/7.95, 4

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[57] **ABSTRACT**

The present invention relates to the identification of novel nucleic acid molecules and proteins encoded by such nucleic acid molecules or degenerate variants thereof, that participate in the control of mammalian body weight. The nucleic acid molecules of the present invention represent the genes corresponding to the mammalian tub gene, a gene that is involved in the regulation of body weight.

**12 Claims, 29 Drawing Sheets**