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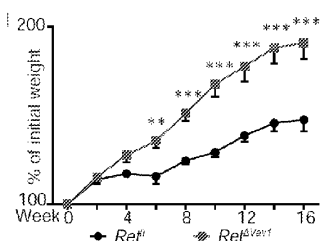


FIG. 3A

(57) Abstract: The present disclosure provides a neuro-mesenchyme signaling axis that controls group 2 innate lymphoid cells (ILC2s), adipose tissue physiology, metabolism, and obesity. This signaling axis includes ILC2s with rearranged during transfection (RET) receptor, mesenchymal stromal cells (MSCs) with beta-2 adrenergic receptor (ADRB2), and high-order brain areas including the paraventricular nucleus of the hypothalamus (PVH).