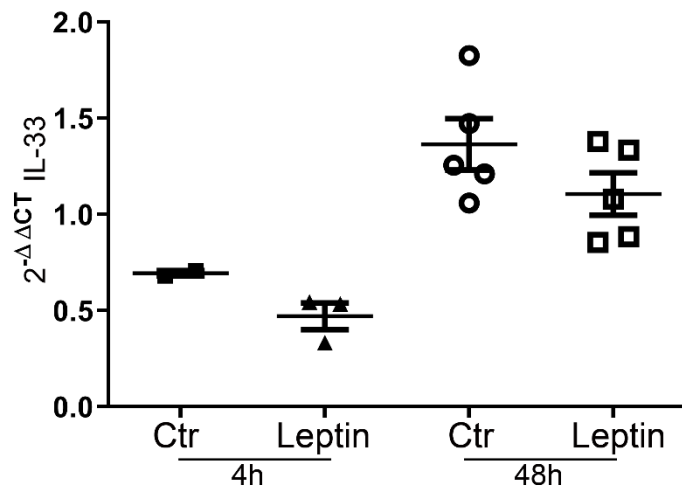


Supplementary Fig S1: characterization of VAT secretome. Conditioned medium from VAT tissue from obese rats contained higher levels of IL-33 protein as measured through ELISA, $p = \text{Student's t-test: } ** p < 0.01$.



Supplementary Fig S2: Leptin *in vitro* treatment of H9C2 cells modulated IL-33/ST2 signaling. Graphs showed qPCR of H9C2 cell treated with leptin or vector at 4 or 48h. Leptin treatment reduced *IL-33*. Student's t-test: * $p < 0.05$; ** $p < 0.01$, *** $p < 0.001$.