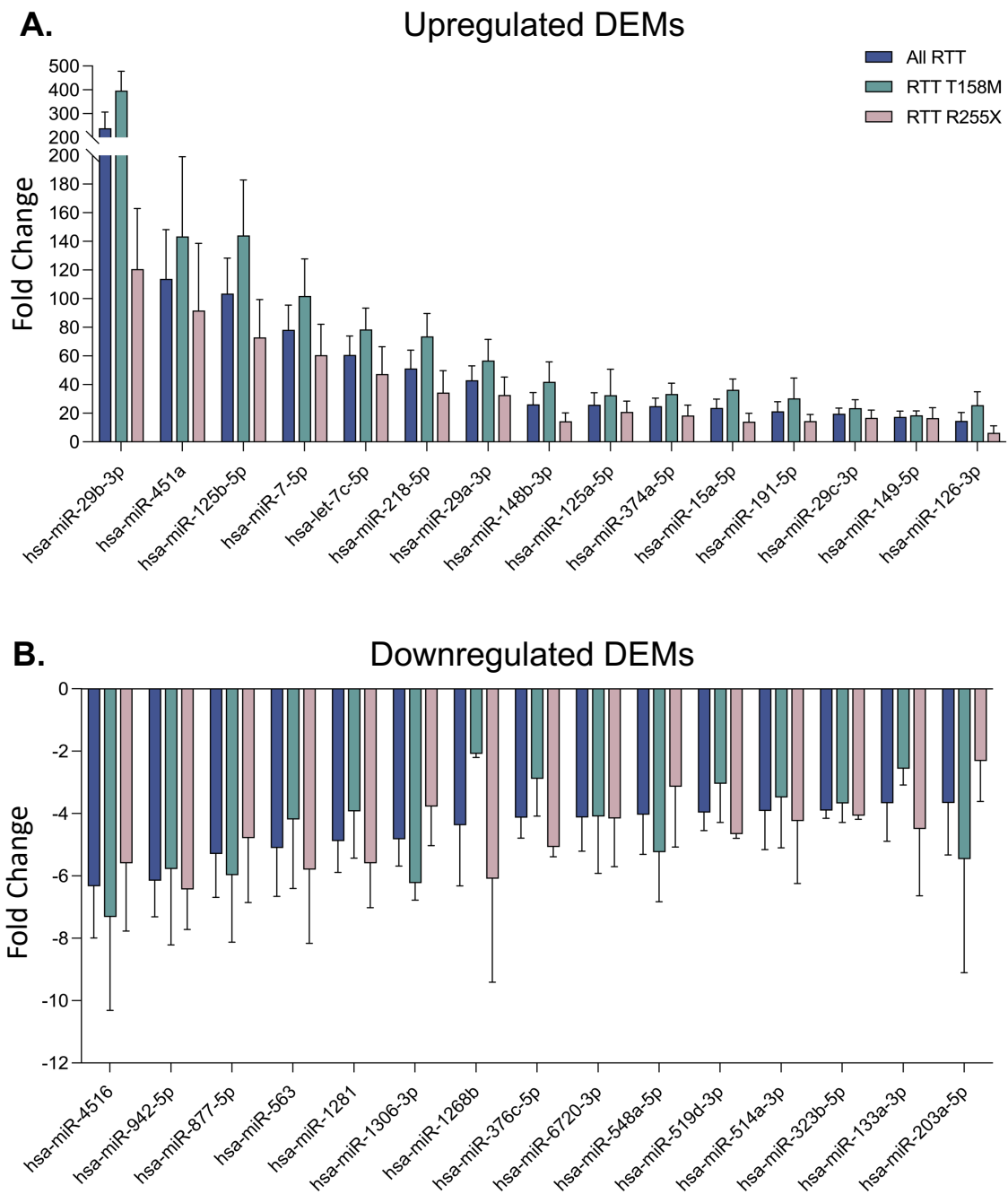




Supplemental Figure 1. MicroRNAs are Differentially Expressed in Rett Temporal Cortices. (A) The top 15 upregulated microRNAs (miRNAs) across both T158M and R255X mutations in Rett (RTT) patients. All 15 miRNAs were significantly increased, with changes ranging from a 6.4-fold increase (miR-126-3p in R255X) to a 396.4-fold increase (miR-29b-3p in T158M). Data are presented as mean + SEM, with sample sizes of $n = 3$ for T158M, $n = 4$ for R255X, and $n = 5$ for control samples. **(B)** The top 15 downregulated miRNAs across both T158M and R255X mutations. All 15 miRNAs were significantly decreased, with changes ranging from a -7.3-fold decrease (miR-4516 in T158M) to a -2.32-fold decrease (miR-203a-5p in R255X). Data are presented as mean – SEM, with sample sizes of $n = 3$ for T158M, $n = 4$ for R255X, and $n = 5$ for control samples. Statistical significance was determined using Student's t-tests, with $p < 0.05$. The figure key is displayed at the upper right.