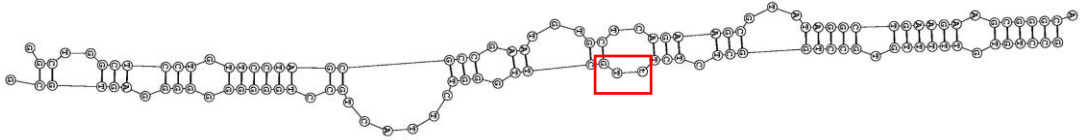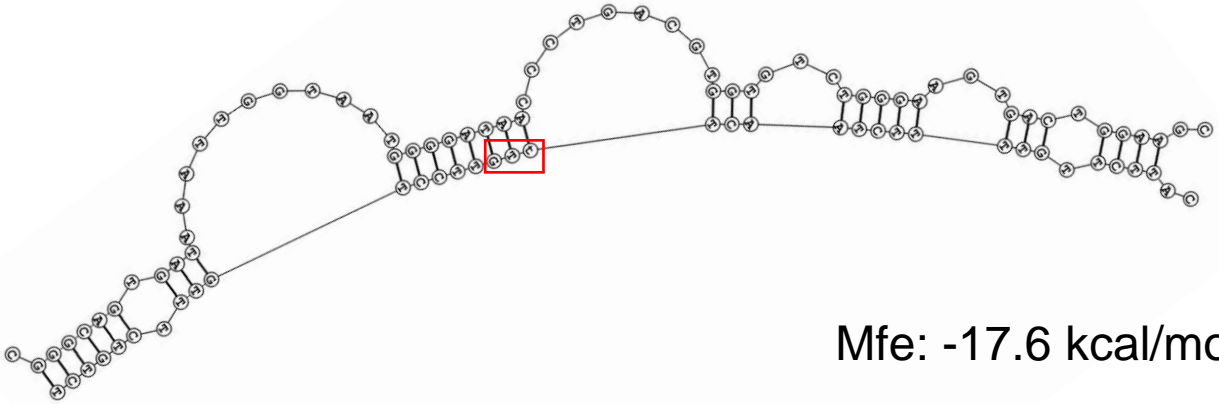# A Mouse HVEM and TTG sncRNA1

Mfe: -49.2 kcal/mol
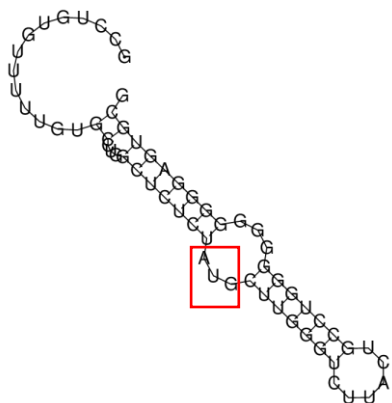
B

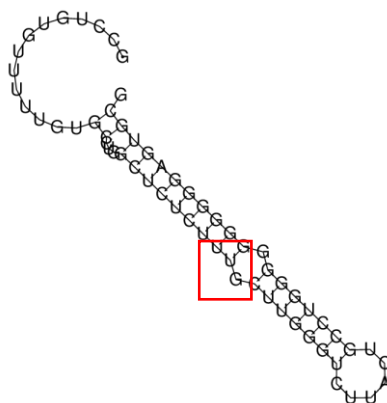## Mouse HVEM and TTG sncRNA2

Mfe: -17.6 kcal/mol

Supplemental Fig. 1. Computational prediction of the single nucleotide mutant TTG sncRNA1 (A) and TTG sncRNA2 (B) bound to the HVEM promoter. Mfe indicates minimum free energy of binding predicted by RNA hybrid algorithm. Red boxes indicate position of the TTG mutations within the sncRNAs.
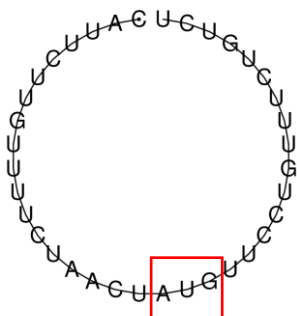
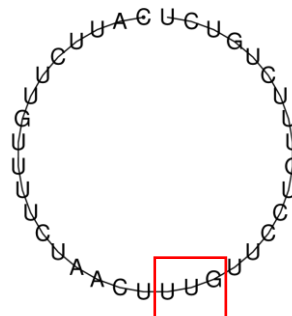Supp Fig. 1

A WT sncRNA1
Mfe: -18.49 kcal/mol

B TTG sncRNA1
Mfe: -21.77 kcal/mol

C WT sncRNA2
Mfe: -0.49 kcal/mol

D TTG sncRNA2
Mfe: -0.44 kcal/mol

Supplemental Fig. 2. Computational prediction of the folded structures of (A) WT sncRNA1, (B) sncRNA1 TTG mutant, (C) WT sncRNA2 and (D) sncRNA2 TTG mutant. Mfe indicates minimum free energy of the folded structure. Red boxes indicate the location of the ATG in WT sncRNA1 (A) and sncRNA2 (C) and the single nucleotide mutation in the sncRNA1 (B) and sncRNA2 TTG (D) mutants.

Supp Fig. 2