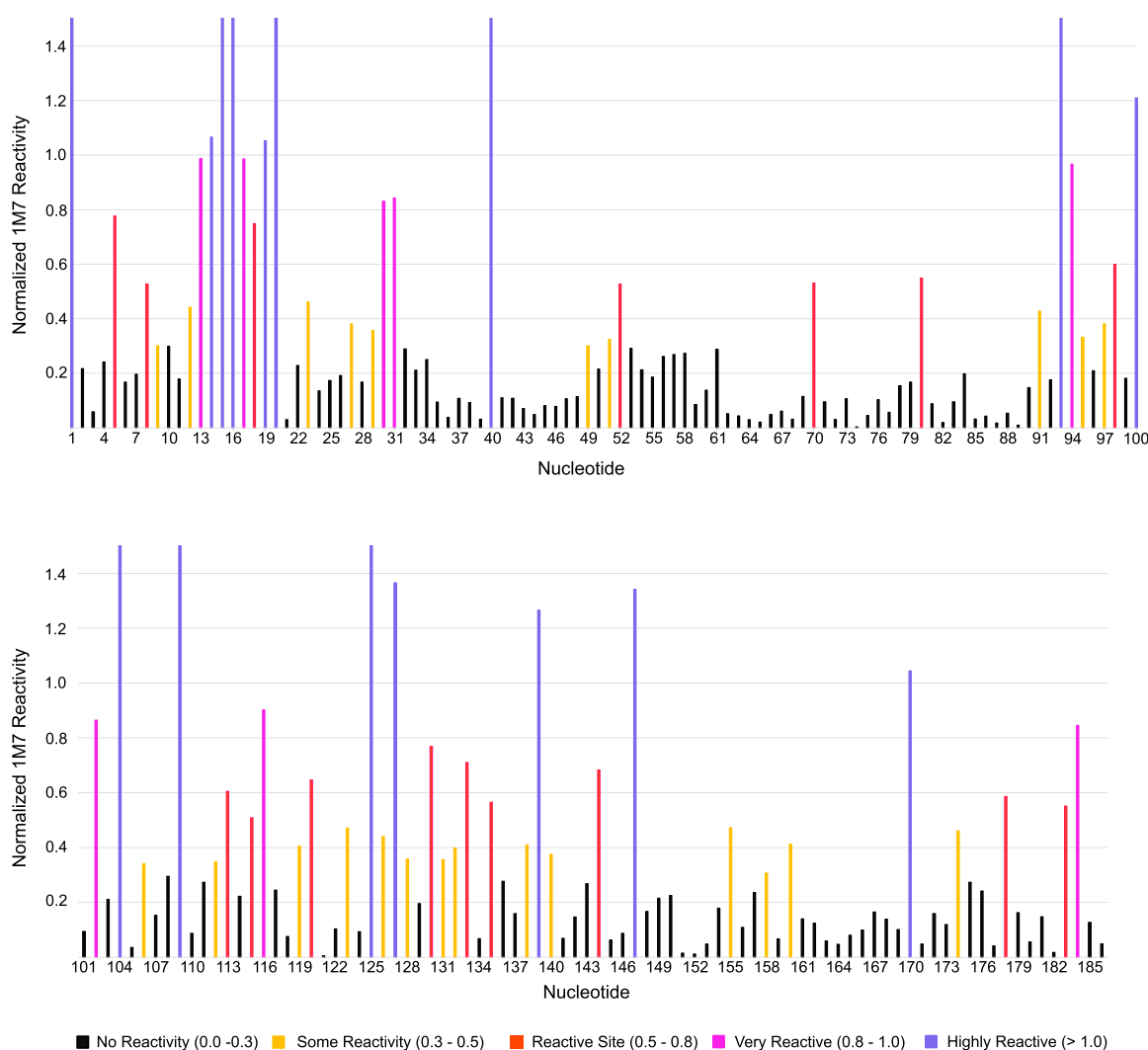




Supplemental Figure 1. Normalized 1M7 Reactivity Per Nucleotide. The average reactivity per nucleotide for the wt FGF-9 5' UTR mRNA. Size standard peaks visible at 20, 40, 50, 60, 70, 80, 100, 120, 140, 160, 170, and 180 nts. Normalized SHAPE data from three 1M7 reactions was first analyzed for outliers. The average 1M7 reactivity per nucleotide was then calculated prior to generating minimum-free-energy structure. $n = 3$. Black = unreactive nucleotide (average reactivity = 0 – 0.3). Orange = somewhat reactive nucleotide (0.3 – 0.5). Orange red = reactive nucleotide (0.5 – 0.8). Magenta = very reactive nucleotide (0.8 – 1.0). Medium slate blue = nucleotide is always reactive (> 1.0).