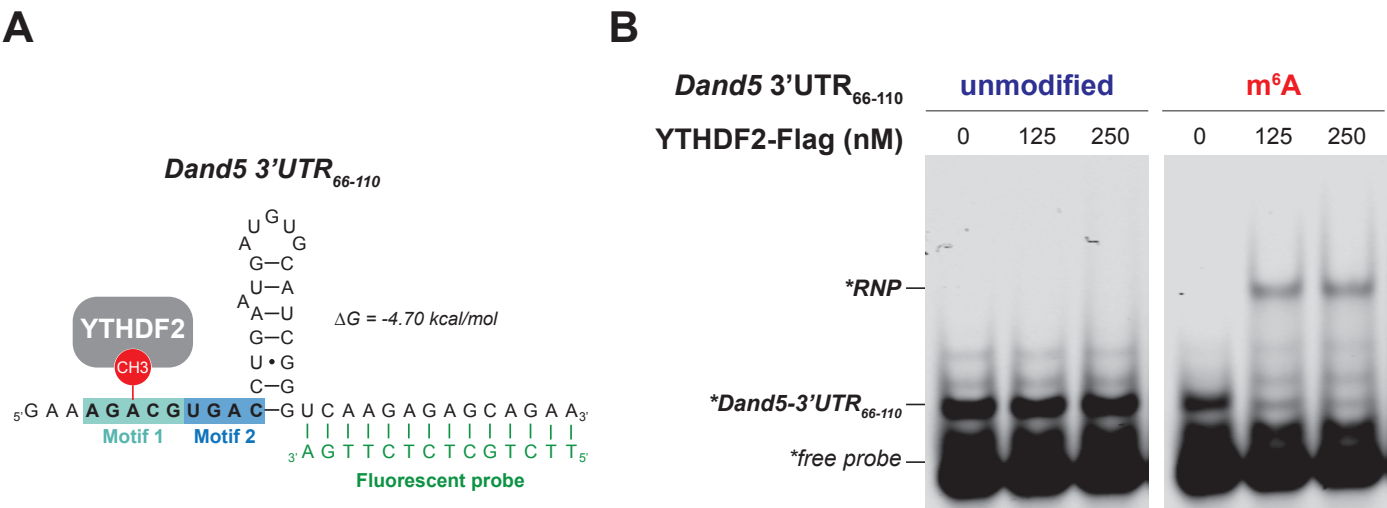


Supplemental_Fig_S3



Supplemental_Fig_S3. YTHDF2 selectively binds the m⁶A-methylated *Dand5* 3'UTR₆₆₋₁₁₀ RNA in vitro. (A) Secondary structure prediction of the untagged *Dand5* 3'UTR₆₆₋₁₁₀ RNA upon annealing with a fluorescent oligonucleotide complementary to the intrinsic 3' end. The original stem presented in figure 4A is shortened due to probe annealing in the internal 3' sequence, but the methylation site remains accessible to assess YTHDF2 binding. The CH3 red mark indicates the methylated position. (B) EMSA analysis of increasing amounts of recombinant YTHDF2₄₀₁₋₅₅₄-Flag after incubation with unmodified (unmod.) or m⁶A-methylated (m⁶A) *Dand5* 3'UTR₆₆₋₁₁₀ RNA marked with a fluorescent oligonucleotide. The band of reduced mobility indicate YTHDF2₄₀₁₋₅₅₄-Flag binding. The excess fluorescent oligonucleotide that has not annealed with the RNAs is visible at the bottom of the gel (free probe*).