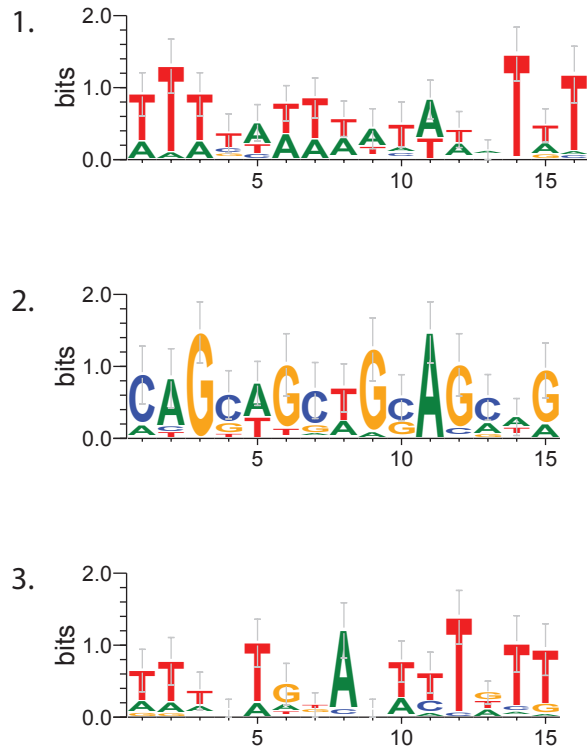


a. 3' UTRs of all NMD-target mRNAs



b. 3' UTRs of NMD-target mRNAs with early stop codons

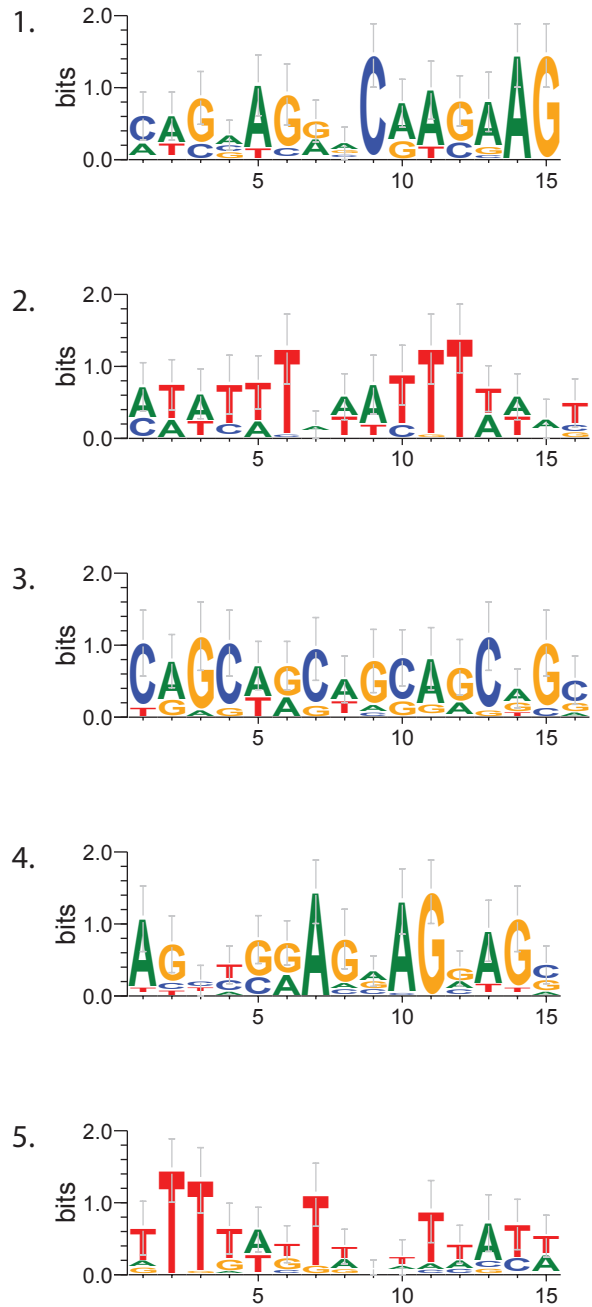


Figure S22. Motifs found by MEME. a. Overrepresented motifs found in the 3' UTRs of NMD-target mRNAs. MEME was used to search for motifs with a width of 6-16 nt occurring zero or one times per sequence. All motifs appear to be repetitive sequence. b. Overrepresented motifs found in the 3' UTRs of the 27 NMD-target mRNAs with an early stop codon. Motifs 2, 3, and 5 match the motifs in (a); motifs 1 and 4 appear similar to known RARRAR splicing enhancers.