



Supplementary Figure 4 - RT behavior over 2-5' junction is sequence dependent. (A) Schematic demonstrating RT behavior over 2-5' junction. RT will either sequence the BP nucleotide, skip 1, or skip 2 nucleotides. (B) RT is more likely to skip over 'A' branchpoints than 'C' branchpoints (branchpoint underlined). (C) and (D) - A pyrimidine in the -1 position decreases skipping in both 'A' branchpoint C and 'C' branchpoint D lariats. (E) and (F) - There is ambiguity in branchpoint usage in the case of TAAC, TCCC, and TACC. In this case the enrichment at the -1 position could occur either from skipping or from the -1 position being used as true branchpoint (see Supplementary Fig 4). *p*-values determined using chi-square test.