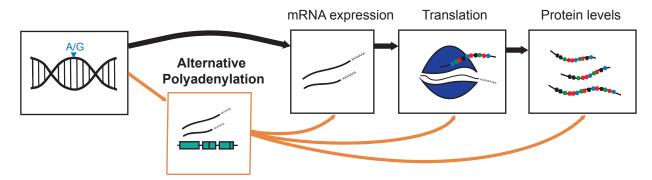
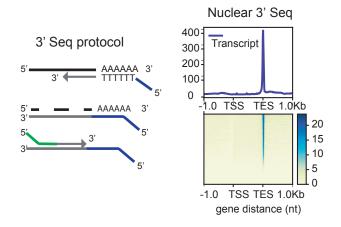
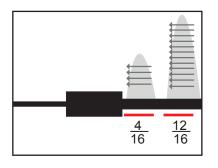
## A Exploring the impact of apaQTLs on the gene regulatory cascade



**B** 3' Seq provides high resolution maps of PAS



**C** PAS usage is a ratio reflecting the relative number of APA isoforms produced from each gene



D Enrichment of polyA signal site upstream of identified PAS 0.05 Proportion of annotated sites Proportion of PAS with signal site AATAAA 0.04 AATTAA 0.6 Other 0.4 0.03 Background 0.02 0.01 0.00 -100 -75 -50 Distance from PAS (nt)

E Intronic PAS are more often used at low frequencies

