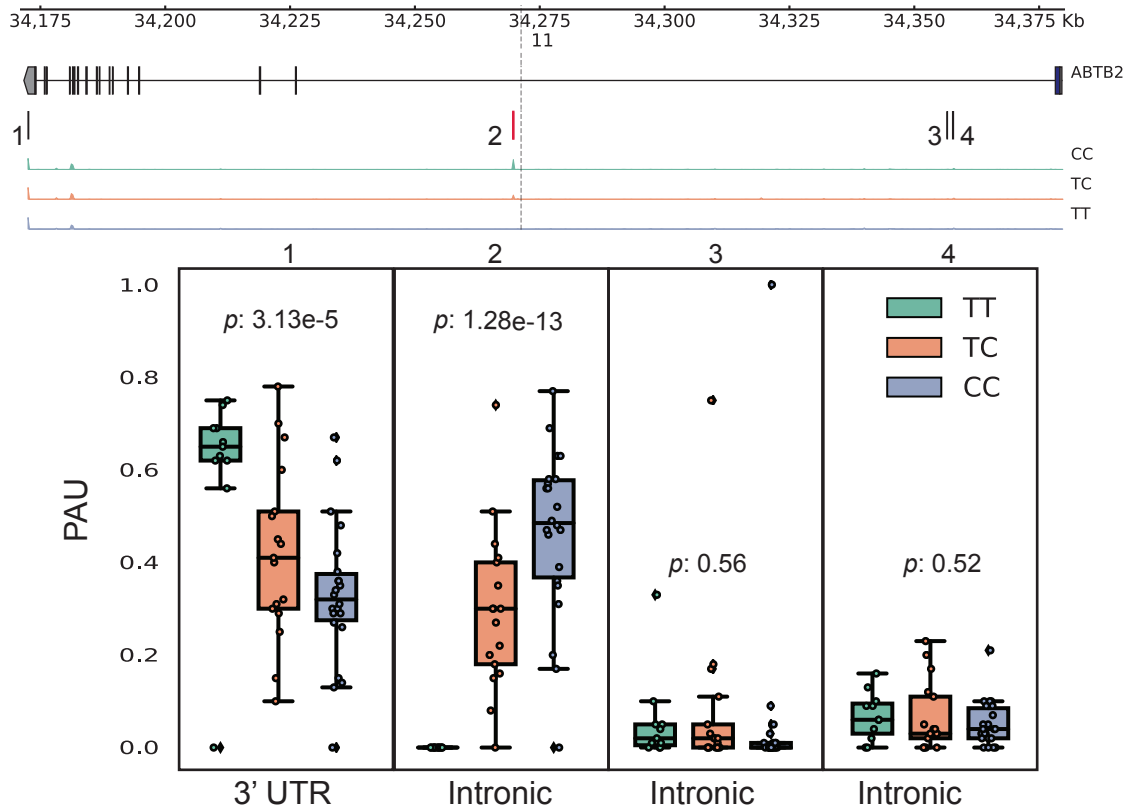
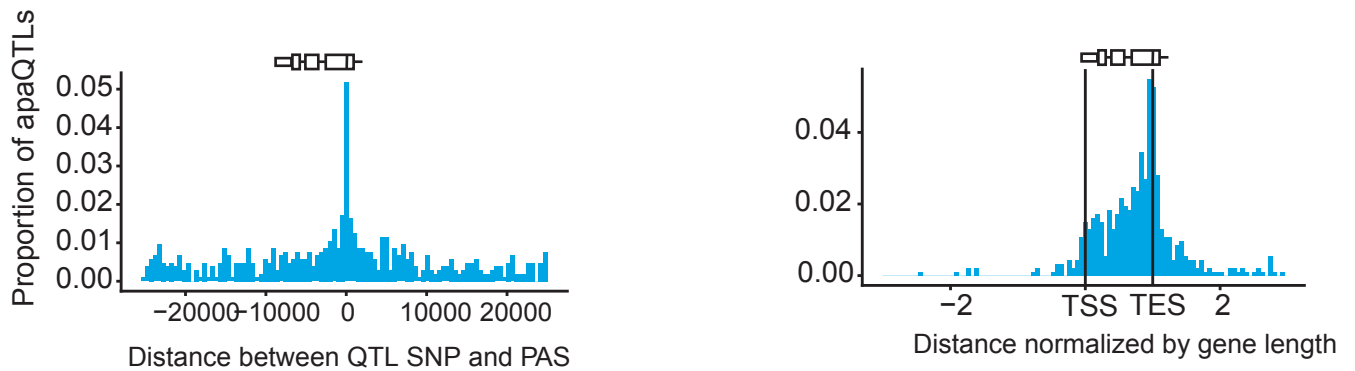


A Example of an apaQTL in *ABTB2*

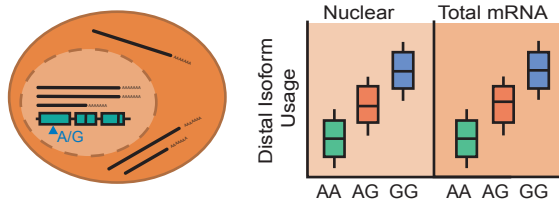


B apaQTLs are located near associated PAS at the 3' end of genes

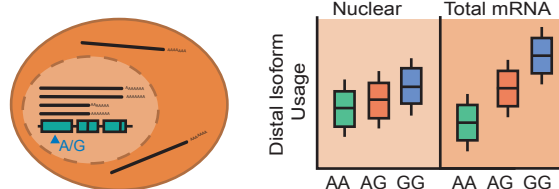


C Models for how genetic variation regulate APA

Model 1: Genetic effect acts on PAS choice



Model 2: Genetic effect acts on post transcriptional regulation



D High correlation between total mRNA and nuclear mRNA apaQTL effect sizes

