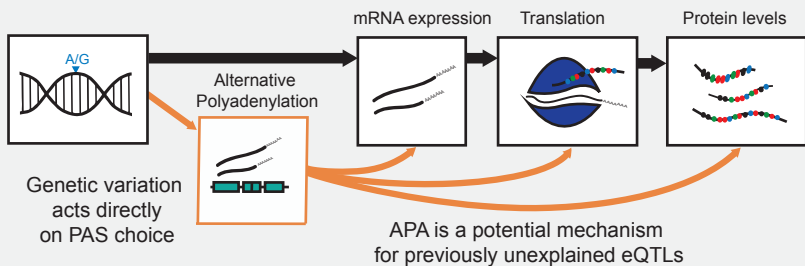
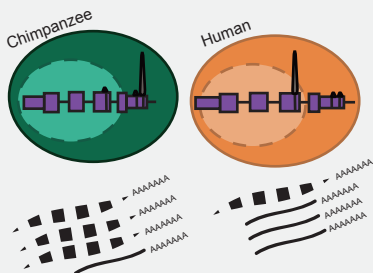


# Complex modes of **genetic regulation** mediated by **alternative polyadenylation**

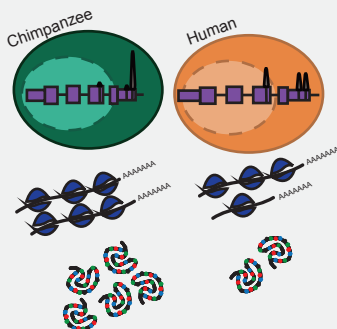


**Differential PAS Usage** contributes to differences in **expression**.



Increased usage of intronic PAS are correlated with upregulation of gene expression

Differences in **isoform diversity** contribute to differences in **translation**



**Post-translational** mechanisms likely drive mRNA level independent **regulation of protein levels** by APA

