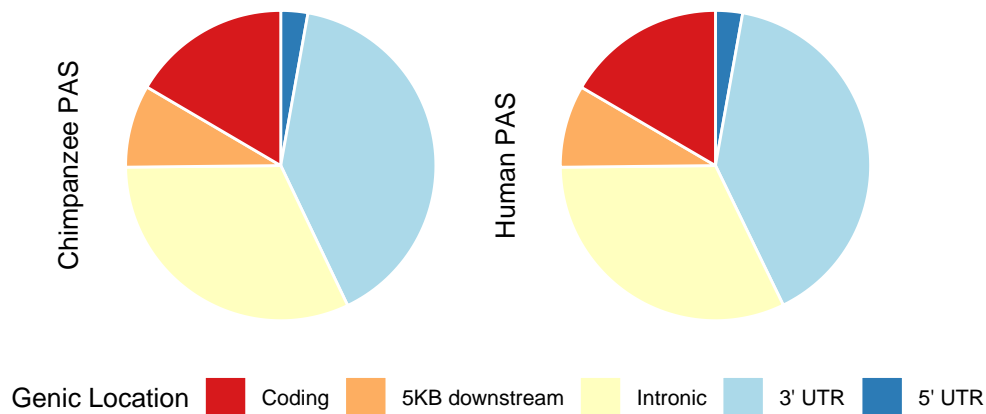
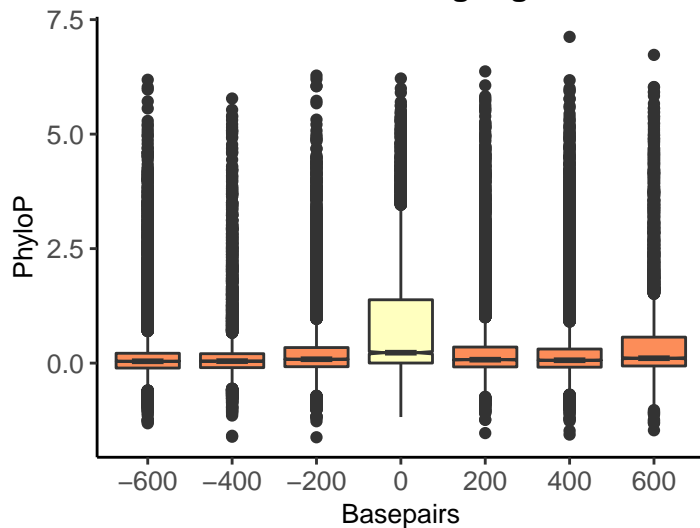


## a PAS genic locations are conserved between species



b

## PAS are more conserved than surrounding regions



c

## Proportion of PAS with a signal site

