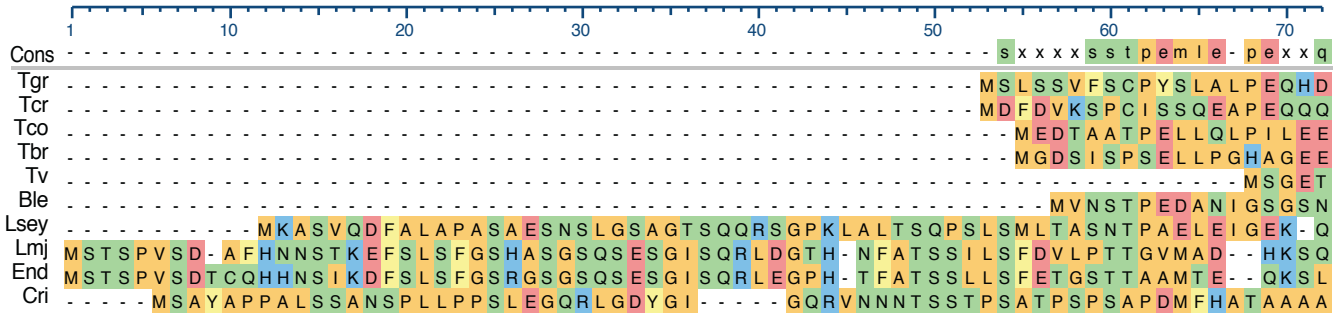


A. Sequence alignment

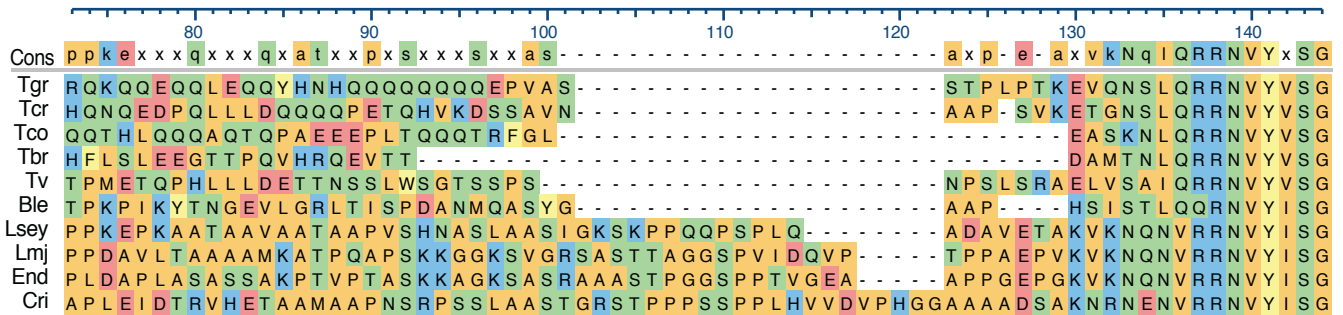
Tgr - *Trypanosoma grayi* - Tgr.602.1000 (partial sequence)
 Tcr - *T. cruzi* - TCSYLIVIO_000120
 Tco - *T. congolense* - TcIL3000_8_2670
 Tbr - *T. brucei* - Tb927.8.2780
 Tv - *T. vivax* TvY486_0802280

Ble - *Blechnomonas ayalai* - Baya_116_0210
 Lsey - *Leptomonas seymori* - Lsey_0070_0140
 Lmj - *Leishmania major* - LmjF.23.0730
 End - *Endotrypanum monterozeii* - EMOLV88_230013800
 Cri - *Crithidia fasciculata* - CFAC1_150018500

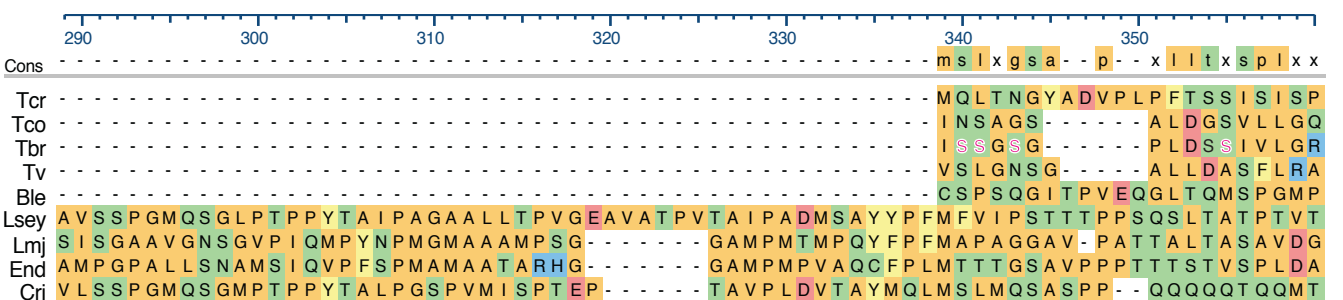
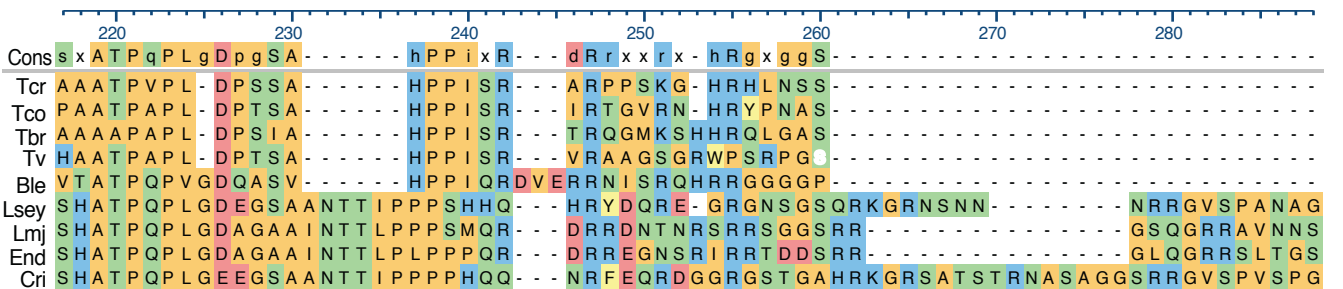
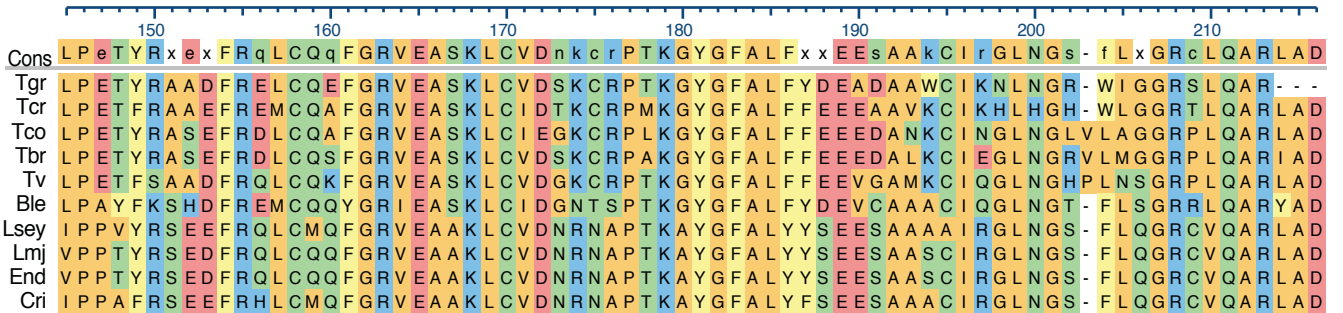
Basic
 Acidic
 Polar
 Aromatic
 Non-polar



RNP2



RNP1





B. Tree

