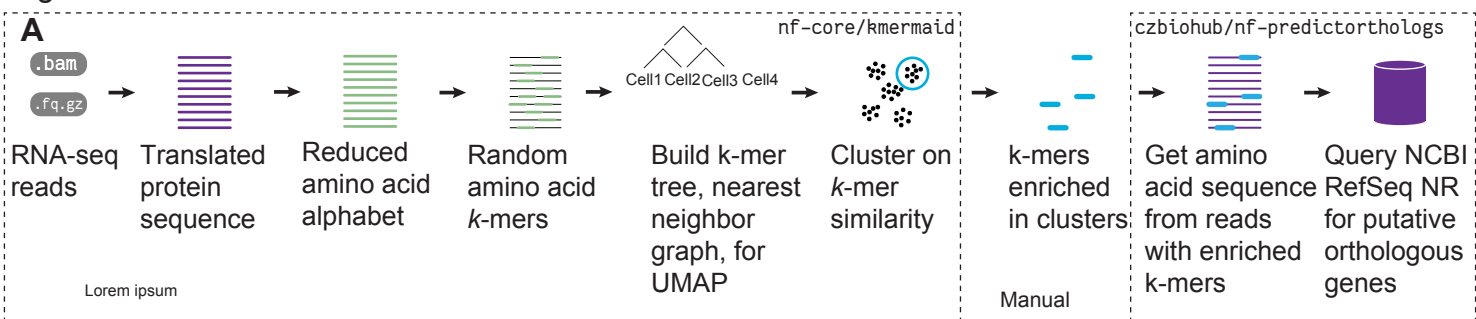


Figure 1



Species1
Human
Sample1
... more samples ...

Species2
Macaque
Sample1
 {
 CTGACA...AGGCTG — QPGAVTGSATVTAFWHSLLGCCQ not in genome, BLASTs to L-aspartate dehydrogenase
 GTAACA...AAGCTG — SFAVHTHRENPAQPGAVTGSATV in genome, ASPDH
 TGGATT...TTTGTC — DFSFLSSARAKQFFTTFSRSSSHL Negative strand: Human Corf66
 ... more samples ... DKCEELLEKTVKNCLALADDRKLS Positive strand: Human MACROH2A1

RRCRKFPPEGRPTDPGSEGXXAEV

Species3
Opossum

Species4
Chicken

... many samples from each species ...