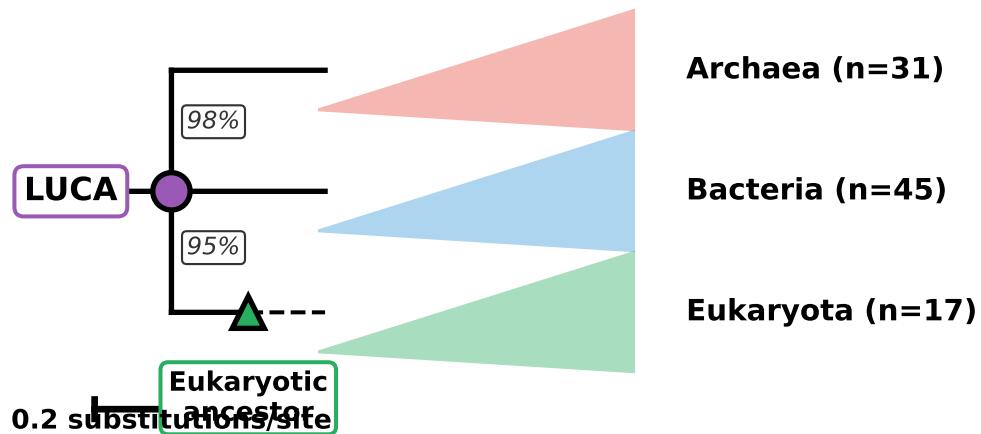


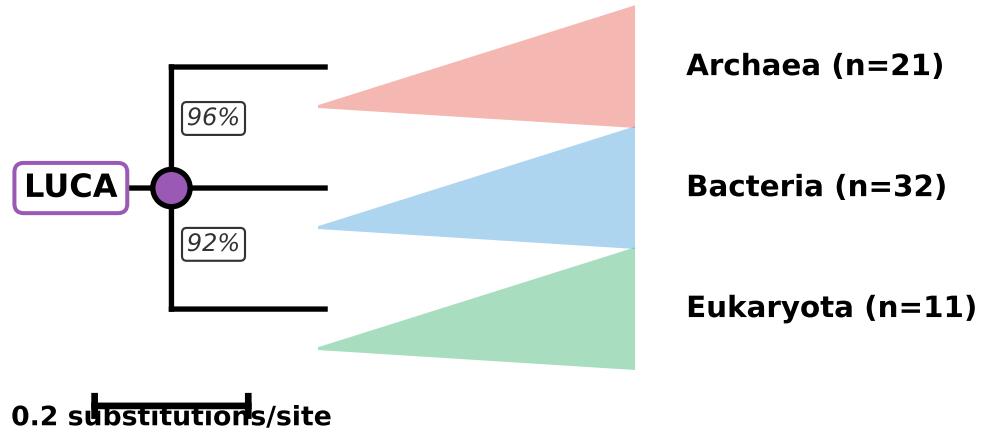
## ProRS Phylogeny (93 sequences)

A



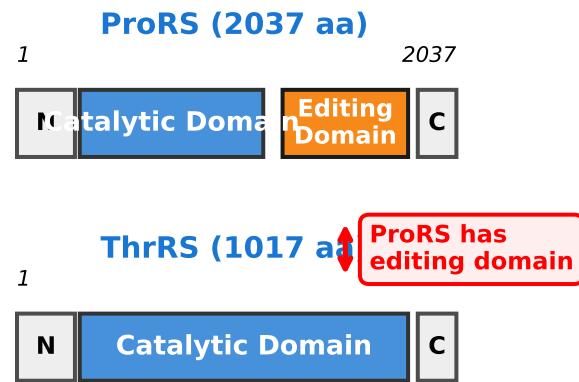
## ThrRS Phylogeny (64 sequences)

B



## Domain Architecture

C



## Legend

D

### Phylogenetic Markers:

● Last Universal Common Ancestor

▲ Eukaryotic Ancestor

### Domain Colors:

■ Catalytic Domain

■ Editing Domain