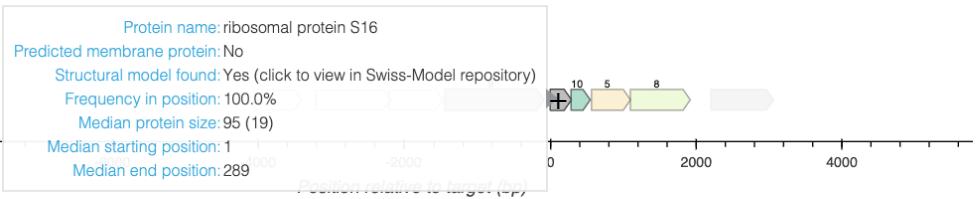
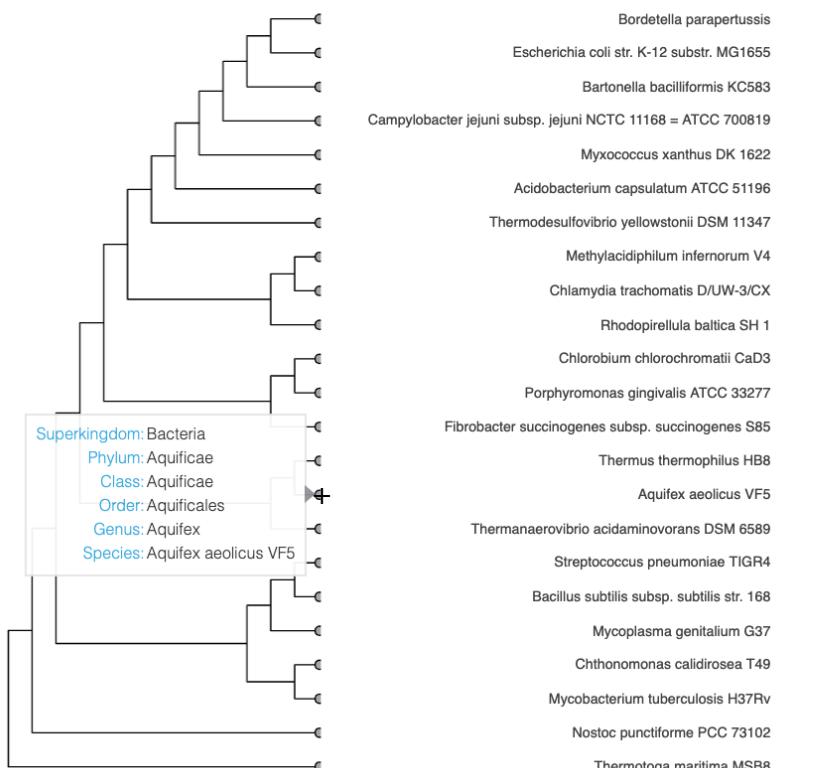


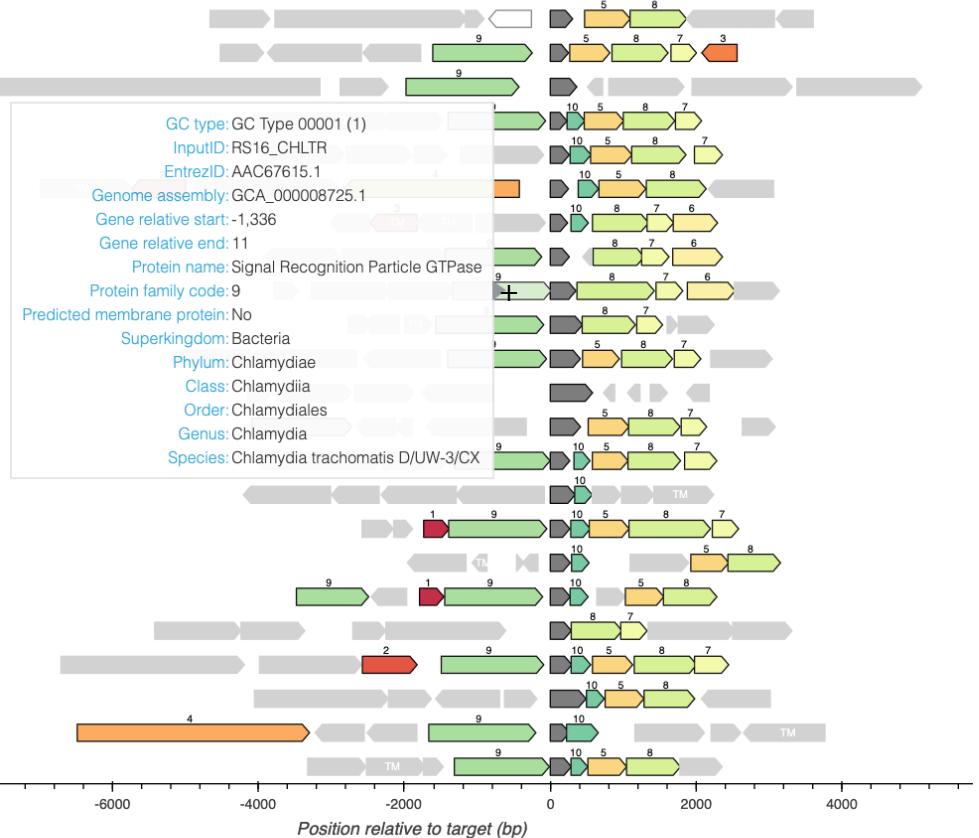
Most conserved gene per position



C Input phylogeny/hierarchy



A Representative genomic contexts (hover to get more information)



B Protein families (click to

- View Protein 16S rRNA processing protein RimM family: RimM family Upf3 family protein code: RimM Predicted No membrane regulator Structure: https://swissmodel.expasy.org/repository/uniprot/RIMM\_THEMEA Keywords: Chaperone, Cytoplasm, Ribosome biogenesis GO terms: C:cytoplasm; C:ribosome; F:ribosome binding; P:rRNA processing; P:ribosomal small subunit biogenesis Function: An accessory protein needed during the final step in the assembly of 30S ribosomal subunit, possibly for assembly of the head region. Probably interacts with S19. Essential for efficient processing of 16S rRNA. May be needed both before and after RbfA during the maturation of 16S rRNA. It has affinity for free ribosomal 30S subunits but not for 70S ribosomes
- Non-conserved gene
  - 1 putative helix-turn-helix protein
  - 2 3-deoxy-D-manno-oct-2-ulose 4-epimerase
  - 3 TM
  - 4 two-component hybrid protein
  - 5 16S rRNA processing protein
  - 6 Ribonuclease HII
  - 7 ribosomal protein L10
  - 8 tRNA (guanine-N1)-methyltransferase
  - 9 signal recognition particle protein
  - 10 conserved hypothetical protein
  - Target protein: ribosomal protein S16
  - Pseudogene