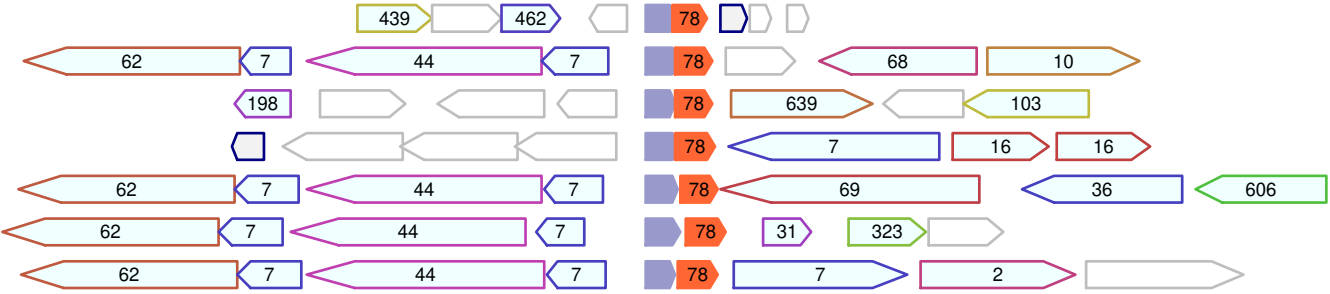


Predicted Antitoxin (Blue Pentagon) Domain ID: D94  
-- RefSeq Protein Description: type II toxin-antitoxin system RelB/DinJ family antitoxin  
-- TADB Annotation: antitoxin DinJ; PubMed: 27557125  
-- NCBI-CDD Annotation: RelB superfamily  
-- HHpred(Pfam) Annotation: RelB ; RelB antitoxin (97.45%)  
-- HHpred(PDB) Annotation: Antitoxin RelB, mRNA interferase RelE (98.10%)

Predicted Toxin (Red Pentagon) Domain ID: M174  
-- RefSeq Protein Description: nucleotide-binding protein  
-- TADB Annotation: No Hit  
-- NCBI-CDD Annotation: PIN\_SF superfamily  
-- HHpred(Pfam) Annotation: DUF4411 ; Domain of unknown function (DUF4411) (96.15%)  
-- HHpred(PDB) Annotation: 23S rRNA-specific endonuclease VapC20 (96.51%)

- Blautia hominis (TA-Like pair: WP\_095173615.1 & WP\_095173616.1)
- Slackia exigua ATCC 700122 (TA-Like pair: WP\_009077170.1 & WP\_006362282.1)
- Raoultibacter massiliensis (TA-Like pair: WP\_102375701.1 & WP\_102375702.1)
- Desulfitobacterium chlororespirans DSM 11544 (TA-Like pair: WP\_072770927.1 & WP\_072770928.1)
- Arabia massiliensis (TA-Like pair: WP\_172623336.1 & WP\_080797269.1)
- Cryptobacterium curtum DSM 15641 (TA-Like pair: WP\_012802512.1 & WP\_143711835.1)
- Eggerthella sinensis (TA-Like pair: WP\_114546757.1 & WP\_114546756.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/Mini\\_pdfs/M174.txt](http://130.235.240.53/NetFlax/Mini_pdfs/M174.txt)