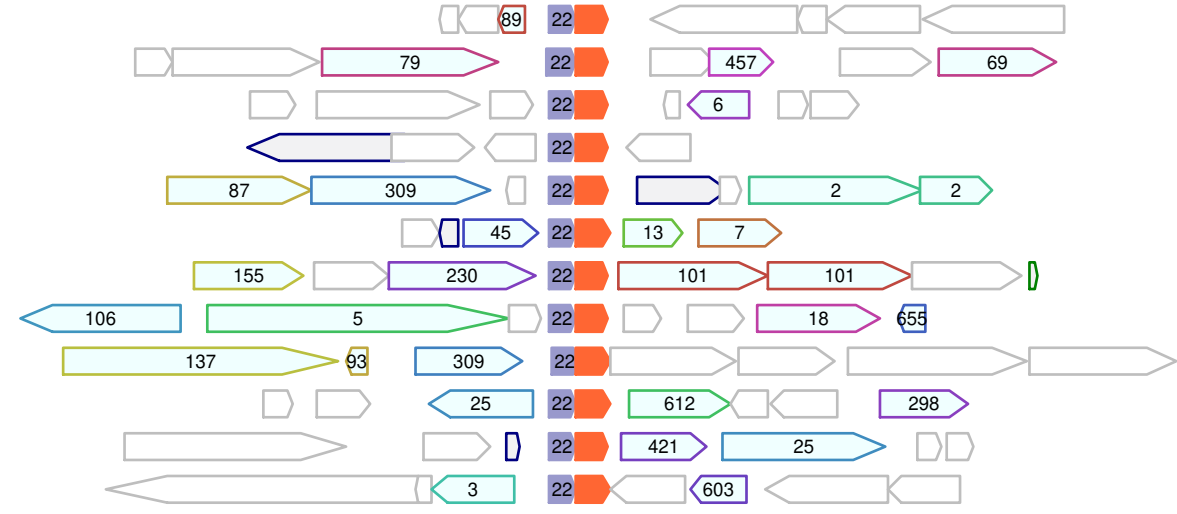


Predicted Toxin (Red Pentagon) Domain ID: D53
-- RefSeq Protein Description: type II toxin-antitoxin system RelE/ParE family toxin
-- TADB Annotation: Possible toxin ParE1; PubMed: 19016878
-- NCBI-CDD Annotation: ParE
-- HHpred(Pfam) Annotation: ParE_toxin ; ParE toxin of type II toxin-antitoxin system, parDE (97.21%)
-- HHpred(PDB) Annotation: Toxin protein parE-1, Antitoxin protein (98.97%)

Predicted Antitoxin (Blue Pentagon) Domain ID: D106
-- RefSeq Protein Description: antitoxin
-- TADB Annotation: No Hit
-- NCBI-CDD Annotation: ParD
-- HHpred(Pfam) Annotation: ParD ; Antitoxin ParD (94.69%)
-- HHpred(PDB) Annotation: Protein parD (97.69%)

- Xylella fastidiosa 9a5c (TA-Like pair: WP_010894487.1 & WP_010894488.1)
- Marivita hallyeonensis (TA-Like pair: WP_072777504.1 & WP_072777309.1)
- Tenacibaculum agarivorans (TA-Like pair: WP_075342520.1 & WP_075342481.1)
- Ideonella sakaiensis (TA-Like pair: WP_054019187.1 & WP_054019186.1)
- Alishewanella jeotgali KCTC 22429 (TA-Like pair: WP_008606656.1 & WP_008950315.1)
- Abyssibacter profundus (TA-Like pair: WP_109719039.1 & WP_109719038.1)
- Leucothrix mucor DSM 2157 (TA-Like pair: WP_022951554.1 & WP_022951555.1)
- Sphingobium limneticum (TA-Like pair: WP_120250656.1 & WP_120252140.1)
- Marinicella rhabdoformis (TA-Like pair: WP_154222321.1 & WP_154222320.1)
- Rubritalea squalenifaciens DSM 18772 (TA-Like pair: WP_143185136.1 & WP_143185135.1)
- Asticcacaulis benevestitus DSM 16100 ATCC BAA 896 (TA-Like pair: WP_018083014.1 & WP_018083015.1)
- Alteromonas genovensis (TA-Like pair: WP_163104955.1 & WP_163104956.1)



** For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8_pdfs/D106.txt