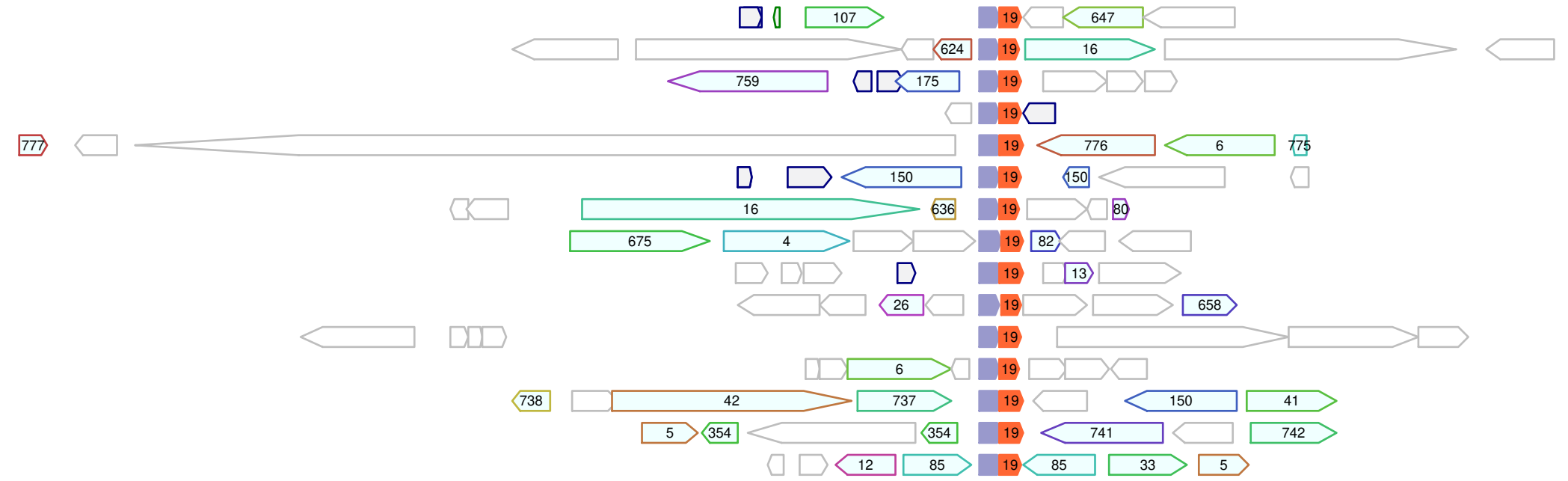


Predicted Antitoxin (Blue Pentagon) Domain ID: D31
-- RefSeq Protein Description: type II toxin-antitoxin system Phd/YefM family antitoxin
-- TADB Annotation: No Hit
-- NCBI-CDD Annotation: PhdYeFM_antitox
-- HHpred(Pfam) Annotation: PhdYeFM_antitox ; Antitoxin Phd_YefM, type II toxin-antitoxin system (93.89%)
-- HHpred(PDB) Annotation: Antitoxin VapB46 (96.43%)

- Rickettsia felis URRWXCal2 (TA-Like pair: WP_011270372.1 & WP_011270373.1)
- Gulosibacter molinivorax DSM 13485 (TA-Like pair: WP_026936954.1 & WP_026936955.1)
- Microbacterium profundum (TA-Like pair: WP_033107328.1 & WP_033107105.1)
- Methylogaea oryzae JCM 16910 (TA-Like pair: WP_054774953.1 & WP_054774954.1)
- Sphaerospermopsis aphanizomenoides BCCUSP55 (TA-Like pair: WP_200326231.1 & WP_200326229.1)
- Moorea producens PAL 8 15 08 1 (TA-Like pair: WP_070391532.1 & WP_070391533.1)
- Desulfosarcina ovata subsp. sediminis (TA-Like pair: WP_162458871.1 & WP_155322350.1)
- Cellulomonas denverensis (TA-Like pair: WP_168630916.1 & WP_168630842.1)
- Dolichospermum flos aquae CCAP 1403 13F (TA-Like pair: WP_148762260.1 & WP_148762262.1)
- Desulfovibrio sulfodismutans DSM 3696 (TA-Like pair: WP_163301227.1 & WP_163301270.1)
- Psychromicrobium silvestre (TA-Like pair: WP_179389479.1 & WP_179389478.1)
- Brevibacterium oceanum (TA-Like pair: WP_181274590.1 & WP_181274872.1)
- Anabaena sphaerica FACHB 251 (TA-Like pair: WP_190564847.1 & WP_190564828.1)
- Anabaena lutea FACHB 196 (TA-Like pair: WP_190718965.1 & WP_027404042.1)
- Okibacterium fritillariae (TA-Like pair: WP_159449479.1 & WP_200811474.1)

Predicted Toxin (Red Pentagon) Domain ID: D57
-- RefSeq Protein Description: type II toxin-antitoxin system RelE/ParE family toxin
-- TADB Annotation: toxin relE like VCA0478; PubMed: 25897030
-- NCBI-CDD Annotation: RelE
-- HHpred(Pfam) Annotation: Toxin_YhaV ; Toxin with endonuclease activity, of toxin-antitoxin system (97.35%)
-- HHpred(PDB) Annotation: mRNA interferase RelE (97.84%)



** For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8_pdfs/D57.txt