

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%)

Predicted Toxin (Red Pentagon) Domain ID: D59

-- RefSeq Protein Description: putative toxin-antitoxin system toxin component, PIN family

-- TADB Annotation: No Hit

-- NCBI-CDD Annotation: PIN_SF superfamily

-- HHpred(Pfam) Annotation: PIN_9 ; PIN like domain (96.80%)

-- HHpred(PDB) Annotation: Uncharacterized protein TTHA0540 (97.56%)

Sulfuricella denitrificans skB26 (TA-Like pair: WP_009205793.1 & WP_009205792.1)

Thauera aminoaromatica S2 (TA-Like pair: WP_004303917.1 & WP_004303915.1)

Thauera phenylacetica B4P (TA-Like pair: WP_004362593.1 & WP_004362591.1)

Thioalkalivibrio nitratireducens DSM 14787 (TA-Like pair: WP_015256905.1 & WP_015256906.1)

Lamprocystis purpurea DSM 4197 (TA-Like pair: WP_020504016.1 & WP_020504015.1)

Ectothiorhodospira haloalkaliphila (TA-Like pair: WP_025280979.1 & WP_025280980.1)

Candidatus Nitrospira nitrosa (TA-Like pair: WP_090746541.1 & WP_090746538.1)

Terrimicrobium sacchariphilum (TA-Like pair: WP_075080392.1 & WP_075080393.1)

Immundisolibacter cernigliae (TA-Like pair: WP_068802969.1 & WP_068802970.1)

Salinicola peritrichatus (TA-Like pair: WP_110650370.1 & WP_110650371.1)

Acidithiobacillus ferridurans (TA-Like pair: WP_126605546.1 & WP_197722454.1)

Luteimonas marina (TA-Like pair: WP_146389143.1 & WP_146389145.1)

Salinadaptatus halalkaliphilus (TA-Like pair: WP_167782871.1 & WP_167782870.1)

Pseudanabaena yagii GIHE NHR1 (TA-Like pair: WP_169363712.1 & WP_169364581.1)

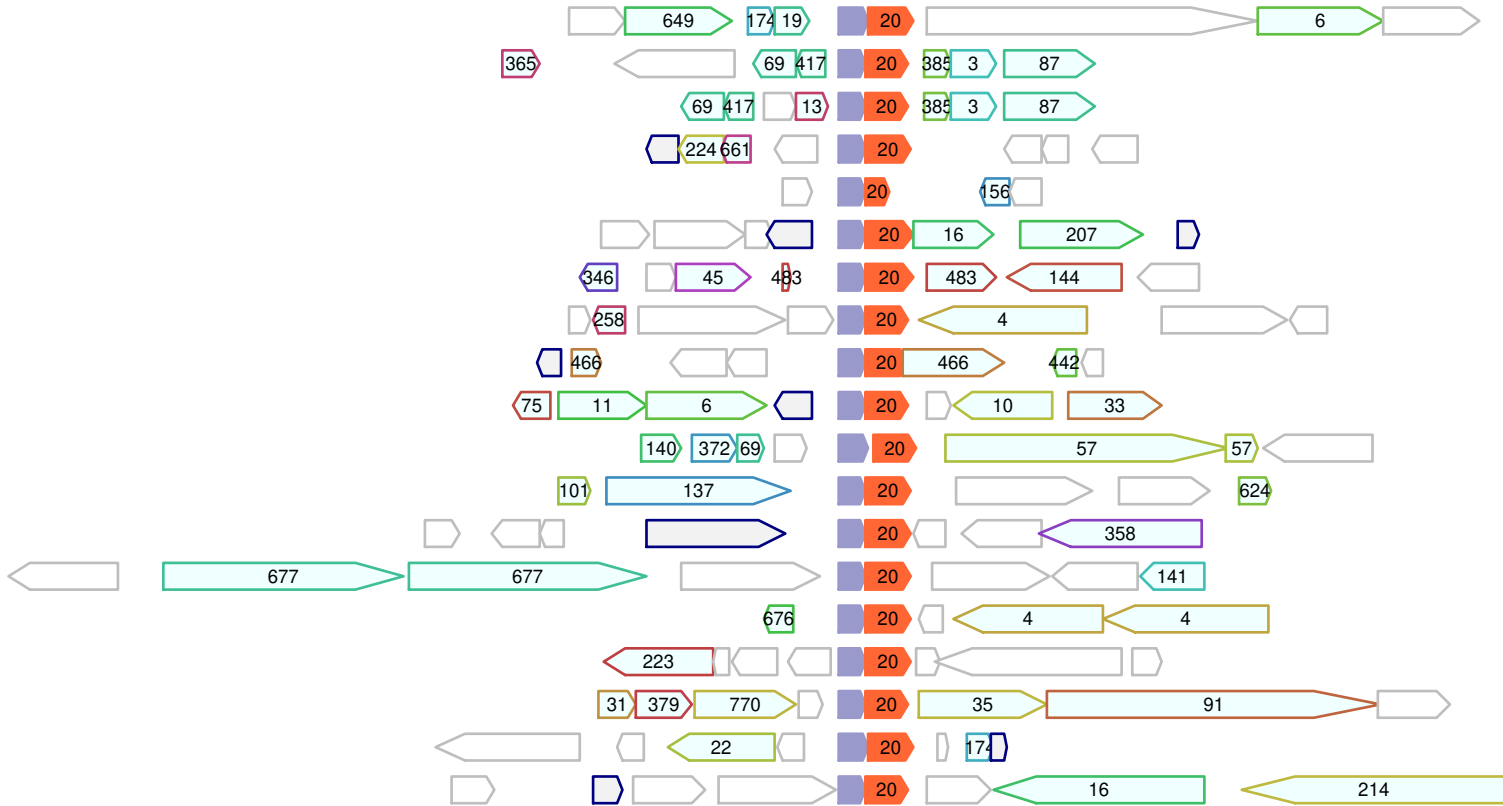
Azoarcus taiwanensis (TA-Like pair: WP_168988007.1 & WP_168988008.1)

Ruficoccus amylovorans (TA-Like pair: WP_185674532.1 & WP_185674531.1)

Halorhodospira neutriphila (TA-Like pair: WP_200258053.1 & WP_200258050.1)

Desulfonatronum thiosulfatophilum (TA-Like pair: WP_092121994.1 & WP_092121997.1)

Candidatus Sulfotelmato bacter kueseliae (TA-Like pair: WP_106808512.1 & WP_106808513.1)



** For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8_pdfs/D59.txt