

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: D64

-- RefSeq Protein Description: growth inhibitor PemK

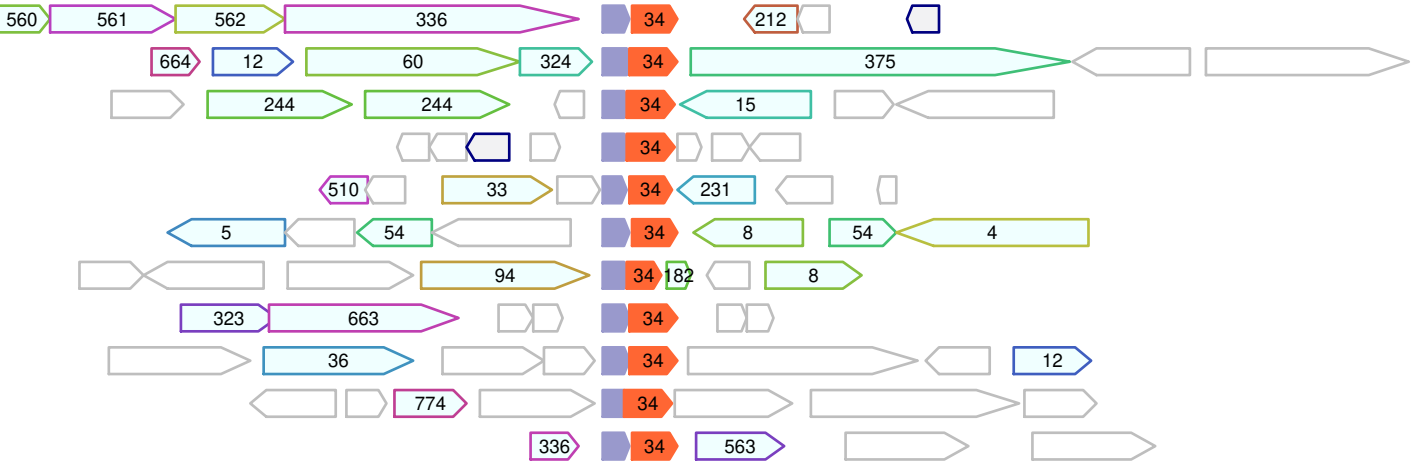
-- TADB Annotation: No Hit

-- NCBI-CDD Annotation: No Hit

-- HHpred(Pfam) Annotation: PemK\_toxin ; PemK-like, MazF-like toxin of type II toxin-antitoxin system (90.99%)

-- HHpred(PDB) Annotation: Antitoxin MazE, Uncharacterized protein (95.03%)

Thiocapsa marina 5811 (TA-Like pair: WP\_007191265.1 & WP\_199484193.1)  
Mesorhizobium alhagi CCNWXJ12 2 (TA-Like pair: WP\_008837863.1 & WP\_008837864.1)  
Pannonibacter phragmitetus (TA-Like pair: WP\_058897849.1 & WP\_058897850.1)  
Labrenzia aggregata (TA-Like pair: WP\_077294868.1 & WP\_062492111.1)  
Labrys okinawensis (TA-Like pair: WP\_105865423.1 & WP\_105865424.1)  
Mesorhizobium ephedrae (TA-Like pair: WP\_106773904.1 & WP\_106773903.1)  
Roseiarcus fermentans (TA-Like pair: WP\_113888360.1 & WP\_113888361.1)  
Thiorhodococcus mannitoliphagus (TA-Like pair: WP\_164655757.1 & WP\_164655758.1)  
Nitrospirillum iridis (TA-Like pair: WP\_184798285.1 & WP\_184797904.1)  
Seohaecicola zhoushanensis (TA-Like pair: WP\_189678944.1 & WP\_189678943.1)  
Thiocapsa roseopersicina (TA-Like pair: WP\_007191265.1 & WP\_093036301.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/T8\\_pdfs/D64.txt](http://130.235.240.53/NetFlax/T8_pdfs/D64.txt)