

Predicted Toxin (Red Pentagon) Domain ID: D45

-- RefSeq Protein Description: type II toxin-antitoxin system PemK/MazF family toxin

-- TADB Annotation: ppGpp-regulated growth inhibitor ChpA/MazF; PubMed: 12718874

-- NCBI-CDD Annotation: PemK\_toxin superfamily

-- HHpred(Pfam) Annotation: PemK\_toxin ; PemK-like, MazF-like toxin of type II toxin-antitoxin system (98.97%)

-- HHpred(PDB) Annotation: PemK-like cell growth regulatory protein (98.65%)

Predicted Antitoxin (Blue Pentagon) Domain ID: M136

-- RefSeq Protein Description: CopG family transcriptional regulator

-- TADB Annotation: Antitoxin MazE6; PubMed: 18258191

-- NCBI-CDD Annotation: No Hit

-- HHpred(Pfam) Annotation: DUF6290 ; Family of unknown function (DUF6290) (95.16%)

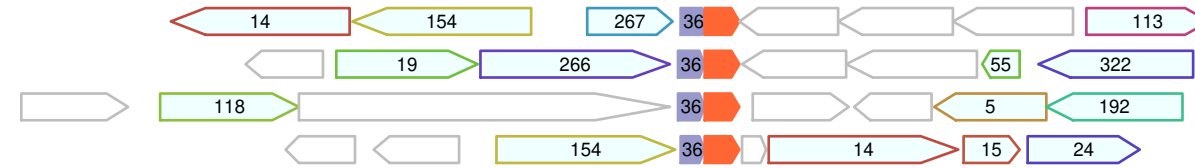
-- HHpred(PDB) Annotation: Probable endoribonuclease MazF7 (96.66%)

Algoriphagus mannitolivorans DSM 15301 (TA-Like pair: WP\_026951782.1 & WP\_026951783.1)

Marivirga sericea (TA-Like pair: WP\_085515067.1 & WP\_085515068.1)

Brumimicrobium salinarum (TA-Like pair: WP\_101334032.1 & WP\_101334222.1)

Dyadobacter frigoris (TA-Like pair: WP\_137341145.1 & WP\_137341146.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/Mini\\_pdfs/M136.txt](http://130.235.240.53/NetFlax/Mini_pdfs/M136.txt)