Predicted Toxin (Red Pentagon) Domain ID: D126
-- RefSeq Protein Description: type II toxin-antitoxin system PemK/MazF family toxin
-- TADB Annotation: No Hit
-- NCBI-CDD Annotation: YlqF_related_GTPase superfamily_ABC_ABC_ChvD superfamily
-- HHpred(Pfam) Annotation: PRK ; Phosphoribulokinase / Uridine kinase family (97.23%)
-- HHpred(PDB) Annotation: BH3686 (97.31%)

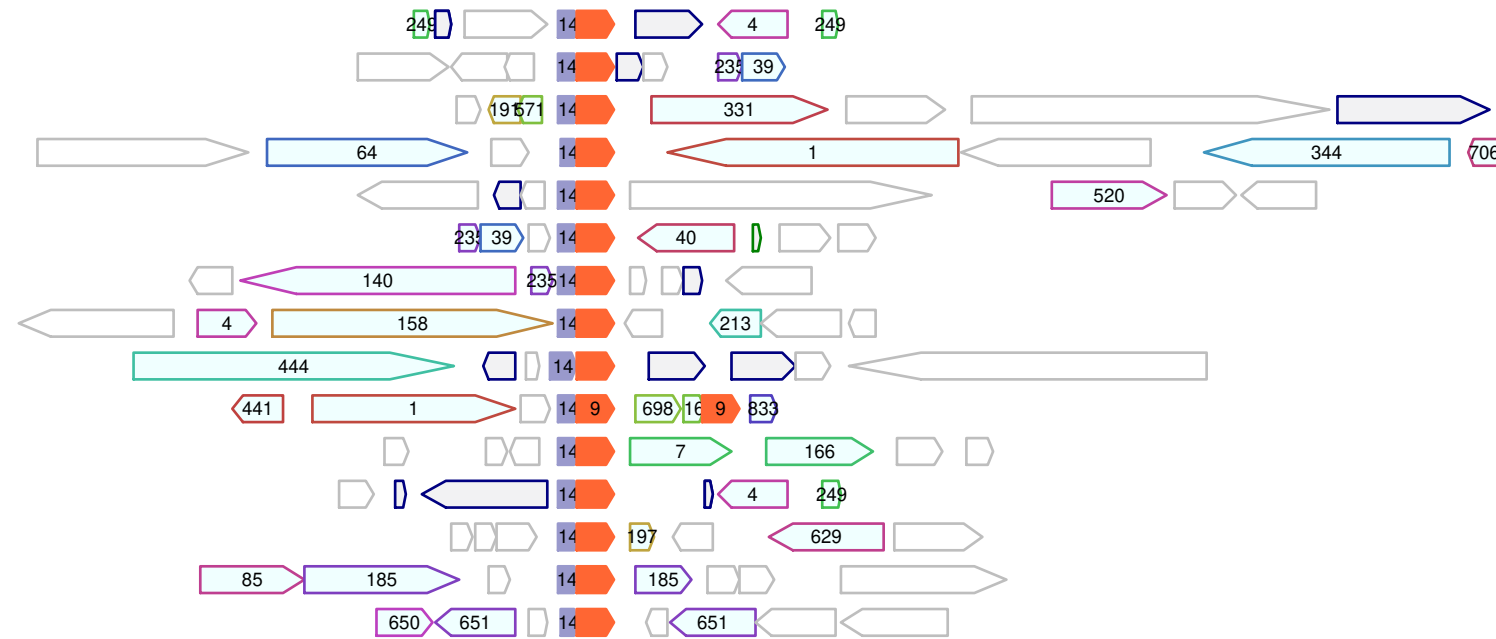Predicted Antitoxin (Blue Pentagon) Domain ID: D147
-- RefSeq Protein Description: hypothetical protein
-- TADB Annotation: No Hit
-- NCBI-CDD Annotation: No Hit
-- HHpred(Pfam) Annotation: PhdYeFM_antitox ; Antitoxin Phd_YefM, type II toxin-antitoxin system (67.36%)
-- HHpred(PDB) Annotation: Prevent host death protein (81.79%)

Microcystis aeruginosa NIES 843 (TA-Like pair: WP_002761554.1 & WP_012263951.1)
Rippkaea orientalis PCC 8802 (TA-Like pair: WP_012595192.1 & WP_015783877.1)
Crocosphaera chwakensis CCY0110 (TA-Like pair: WP_035798094.1 & WP_008272906.1)
Stanieria cyanosphaera PCC 7437 (TA-Like pair: WP_015193025.1 & WP_041619281.1)
Cyanobacterium aponinum PCC 10605 (TA-Like pair: WP_015218682.1 & WP_015218683.1)
Geminocystis herdmanii PCC 6308 (TA-Like pair: WP_017293621.1 & WP_026101952.1)
Dolichospermum circinale AWQC131C (TA-Like pair: WP_028082812.1 & WP_196803160.1)
Lyngbya aestuarii BL J (TA-Like pair: WP_023063982.1 & WP_023064056.1)
Planktothrix agardhii NIVA CYA 126 8 (TA-Like pair: WP_052369771.1 & WP_081846502.1)
Hassallia byssoidea VB512170 (TA-Like pair: WP_039737736.1 & WP_039737734.1)
Sphaerospermopsis aphanizomenoides BCCUSP55 (TA-Like pair: WP_200325129.1 & WP_200325127.1)
Microcystis viridis NIES 102 (TA-Like pair: WP_002761554.1 & WP_012263951.1)
Sphaerospermopsis reniformis (TA-Like pair: WP_137666299.1 & WP_201277566.1)
Candidatus Kuenenia stuttgartiensis (TA-Like pair: WP_099325472.1 & WP_099325473.1)
Hyella patelloides LEGE 07179 (TA-Like pair: WP_186376064.1 & WP_144870959.1)

** For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8_pdfs/D147.txt