

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%)

Predicted Antitoxin (Blue Pentagon) Domain ID: M83

RefSeq Protein Description: restriction endonuclease subunit S

-- TADB Annotation: No Hit

-- NCBI-CDD Annotation: RMtype1_S_MjaORF132P_Sau1132ORF3780P-TRD1-CR1_like_RMtype1_S_TRD-CR_like superfamily

HHpred(Pfam) Annotation: TypeI_MetMethylase_S ; Type I restriction modification DNA specificity domain (97.99%)

-- HHpred(PDB) Annotation: TYPE-1 RESTRICTION ENZYME ECOKI SPECIFICITY (98.29%)

Fortiea contorta PCC 7126 (TA-Like pair: WP_017653501.1 & WP_017653502.1)

Methylicorpusculum oleiharenae (TA-Like pair: WP_159656409.1 & WP_159656407.1)



For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/Mini_pdfs/M83.txt