

Predicted Toxin (Red Pentagon) Domain ID: D57

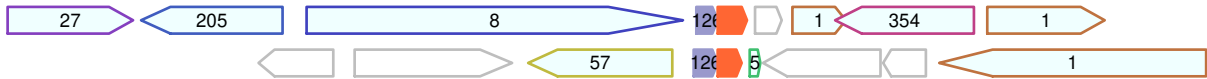
- RefSeq Protein Description: type II toxin-antitoxin system RelE/ParE family toxin
- TADB Annotation: toxin relE like VCA0478; PubMed: 25897030
- NCBI-CDD Annotation: RelE
- HHpred(Pfam) Annotation: Toxin\_YhaV ; Toxin with endonuclease activity, of toxin-antitoxin system (97.35%)
- HHpred(PDB) Annotation: mRNA interferase RelE (97.84%)

Predicted Antitoxin (Blue Pentagon) Domain ID: M145

- RefSeq Protein Description: hypothetical protein
- TADB Annotation: No Hit
- NCBI-CDD Annotation: No Hit
- HHpred(Pfam) Annotation: Tautomerase ; Tautomerase enzyme (77.61%)
- HHpred(PDB) Annotation: 4-oxalocrotonate tautomerase, putative (78.55%)

Nostoc punctiforme PCC 73102 (TA-Like pair: WP\_012411744.1 & WP\_012411743.1)

Fremyella diplosiphon NIES 3275 (TA-Like pair: WP\_045867448.1 & WP\_045867449.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/Mini\\_pdfs/M145.txt](http://130.235.240.53/NetFlax/Mini_pdfs/M145.txt)