

Predicted Antitoxin (Blue Pentagon) Domain ID: D29

-- RefSeq Protein Description: ATP-binding protein

-- TADB Annotation: No Hit

-- NCBI-CDD Annotation: AAA\_21

-- HHpred(Pfam) Annotation: AAA\_21 ; AAA domain, putative AbiEii toxin, Type IV TA system (98.89%)

-- HHpred(PDB) Annotation: DNA double-strand break repair rad50 (95.83%)

Predicted Toxin (Red Pentagon) Domain ID: M55

-- RefSeq Protein Description: DUF4435 domain-containing protein

-- TADB Annotation: No Hit

-- NCBI-CDD Annotation: DUF4435 superfamily

-- HHpred(Pfam) Annotation: DUF4435 ; Protein of unknown function (DUF4435) (96.02%)

-- HHpred(PDB) Annotation: Putative ATP-dependent endonuclease of the (76.65%)

Thioflexothrix pseкупsii (TA-Like pair: WP\_086487035.1 & WP\_086487034.1)

Tumebacillus permanentifrigoris (TA-Like pair: WP\_109685410.1 & WP\_109685412.1)

Alysiella crassa DSM 2578 (TA-Like pair: WP\_034292205.1 & WP\_034292208.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/Mini\\_pdfs/M55.txt](http://130.235.240.53/NetFlax/Mini_pdfs/M55.txt)