Predicted Antitoxin (Blue Pentagon) Domain ID: D29

-- RefSeq Protein Description: ATP-binding protein

-- TADB Annotation: No Hit

-- NCBI-CDD Annotation: AAA_21

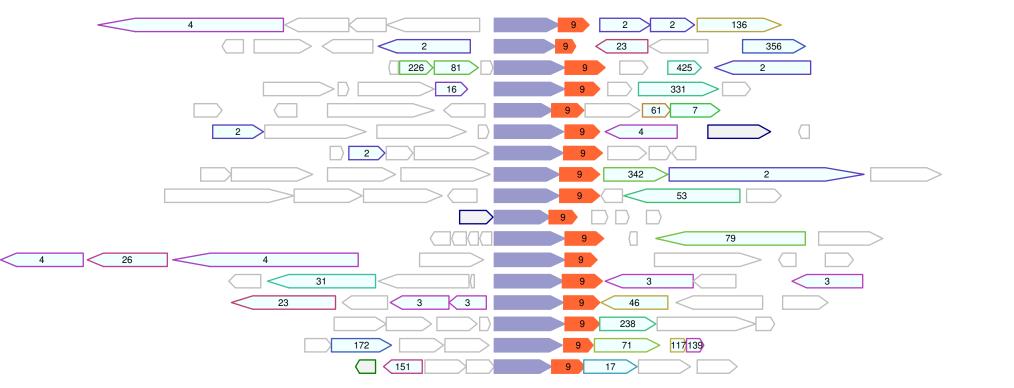
-- HHpred(Pfam) Annotation: AAA_21; AAA domain, putative AbiEii toxin, Type IV TA system (98.89%)

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

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Fusobacterium pseudoperiodonticum (TA-Like pair: WP 099985757.1 & WP 099985758.1)
           Clostridium diolis (TA-Like pair: WP 039768601.1 & WP 167514415.1)
Dolichospermum flos aquae CCAP 1403 13F (TA-Like pair: WP 168696502.1 & WP 168696501.1)
   Aphanothece hegewaldii CCALA 016 (TA-Like pair: WP_106455378.1 & WP_106455377.1)
       Acetoanaerobium sticklandii (TA-Like pair: WP 013360663.1 & WP 013360664.1)
     Scytonema hofmannii PCC 7110 (TA-Like pair: WP 017743571.1 & WP 017743572.1)
    Pseudanabaena yagii GIHE NHR1 (TA-Like pair: WP_169365378.1 & WP_169365377.1)
     Phaeodactylibacter xiamenensis (TA-Like pair: WP 044225156.1 & WP 044225159.1)
     Dokdonia donghaensis DSW 1 (TA-Like pair: WP 035324934.1 & WP 052111704.1)
   Candidatus Marithrix sp Canyon 246 (TA-Like pair: WP 069473082.1 & WP 069471644.1)
         Sphingobacterium soli (TA-Like pair: WP 182498740.1 & WP 182498741.1)
         Pseudomonas gessardii (TA-Like pair: WP 169902135.1 & WP 169902136.1)
      Parabacteroides acidifaciens (TA-Like pair: WP 115498137.1 & WP 115498136.1)
      Tumebacillus permanentifrigoris (TA-Like pair: WP 109689800.1 & WP 109689799.1)
       Sulfurospirillum multivorans (TA-Like pair: WP 025345632.1 & WP 025345631.1)
   Sedimentisphaera cyanobacteriorum (TA-Like pair: WP 077538736.1 & WP 123785104.1)
             Cetia pacifica (TA-Like pair: WP 123351638.1 & WP 123351639.1)
```

Predicted Toxin (Red Pentagon) Domain ID: D51

- -- RefSeq Protein Description: TIGR02646 family protein
- -- TADB Annotation: No Hit
- -- NCBI-CDD Annotation: HNHc superfamily
- -- HHpred(Pfam) Annotation: No Hit
- -- HHpred(PDB) Annotation: AcrIIC3, CRISPR-associated endonuclease Cas9 (94.84%)



^{**} For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8 pdfs/D51.txt