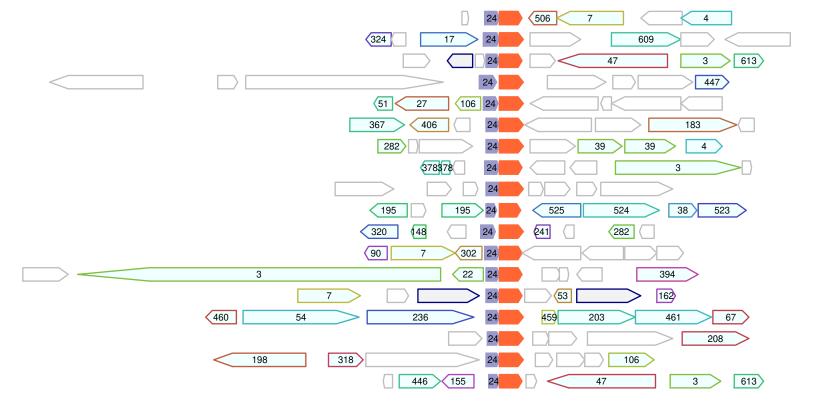
Predicted Toxin (Red Pentagon) Domain ID: D54

- -- RefSeq Protein Description: PIN domain-containing protein
- -- TADB Annotation: No Hit
- -- NCBI-CDD Annotation: PIN\_VapC-like
- -- HHpred(Pfam) Annotation: PIN 2; PIN domain (97.31%)
- -- HHpred(PDB) Annotation: 23S rRNA-specific endonuclease VapC20 (98.02%)

Meiothermus granaticius NBRC 107808 (TA-Like pair: WP 119357826.1 & WP 119357827.1) Rubricoccus marinus (TA-Like pair: WP 094552120.1 & WP 094552123.1) Nostoc commune NIES 4072 (TA-Like pair: WP 181374023.1 & WP 109009175.1) Longimonas halophila (TA-Like pair: WP 141491725.1 & WP 098063220.1) Rhodothermus marinus DSM 4252 (TA-Like pair: WP 012844979.1 & WP 012844978.1) Gloeobacter violaceus PCC 7421 (TA-Like pair: WP 197530146.1 & WP 011141695.1) Thermodesulfitimonas autotrophica (TA-Like pair: WP 123926767.1 & WP 123926770.1) Scytonema hofmannii PCC 7110 (TA-Like pair: WP 026135200.1 & WP 017748364.1) Nitrospira moscoviensis (TA-Like pair: WP 053380457.1 & WP 053380458.1) Sporolactobacillus pectinivorans (TA-Like pair: WP 100486231.1 & WP 157800106.1) Salinibacter ruber M8 (TA-Like pair: WP 013061180.1 & WP 043551960.1) Meiothermus ruber DSM 1279 (TA-Like pair: WP 015586590.1 & WP 013012350.1) Tolypothrix campylonemoides VB511288 (TA-Like pair: WP 052490240.1 & WP 041034648.1) Sporolactobacillus laevolacticus DSM 442 (TA-Like pair: WP 023509413.1 & WP 023509414.1) Moorella thermoacetica ATCC 39073 (TA-Like pair: WP 011393508.1 & WP 011393507.1) Desulfofundulus thermobenzoicus (TA-Like pair: WP 152945399.1 & WP 152945398.1) Litorilinea aerophila (TA-Like pair: WP 141612087.1 & WP 141612086.1) Hassallia byssoidea VB512170 (TA-Like pair: WP 201280673.1 & WP 039738613.1)

Predicted Antitoxin (Blue Pentagon) Domain ID: D108

- -- RefSeg Protein Description: ribbon-helix-helix domain-containing protein
- -- TADB Annotation: No Hit
- -- NCBI-CDD Annotation: No Hit
- -- HHpred(Pfam) Annotation: RHH\_9; Ribbon-helix-helix protein (89.68%)
- -- HHpred(PDB) Annotation: hypothetical protein HP0222 (92.22%)



<sup>\*\*</sup> For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8 pdfs/D108.txt