

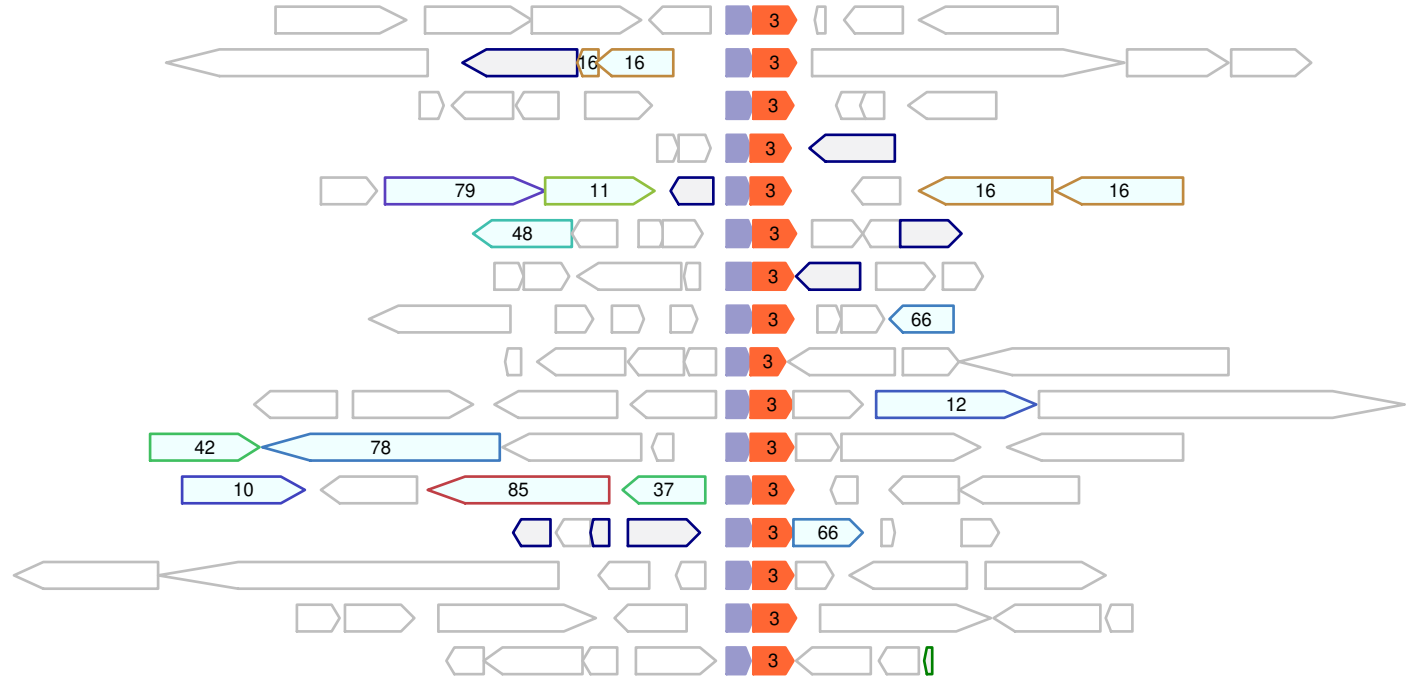
Predicted Antitoxin (Blue Pentagon) Domain ID: D108

- RefSeq 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%)

Predicted Toxin (Red Pentagon) Domain ID: D128

- RefSeq Protein Description: type II toxin-antitoxin system VapC family toxin
- TADB Annotation: Possible toxin VapC10; PubMed: 20011113
- NCBI-CDD Annotation: PIN\_VapC4-5\_FitB-like
- HHpred(Pfam) Annotation: DUF4411 ; Domain of unknown function (DUF4411) (97.07%)
- HHpred(PDB) Annotation: tRNA(fMet)-specific endonuclease VapC (97.99%)

- Coxiella burnetii RSA 493 (TA-Like pair: NP\_820233.1 & NP\_820232.2)
- Nitrosococcus halophilus Nc 4 (TA-Like pair: WP\_013031277.1 & WP\_013031278.1)
- Mycobacterium parascrofulaceum ATCC BAA 614 (TA-Like pair: WP\_040623102.1 & WP\_040623363.1)
- Lentisphaera araneosa HTCC2155 (TA-Like pair: WP\_007281479.1 & WP\_007281478.1)
- Lentisphaera araneosa HTCC2155 (TA-Like pair: WP\_007281352.1 & WP\_007281351.1)
- Thioalkalivibrio paradoxus ARh 1 (TA-Like pair: WP\_006749040.1 & WP\_006749039.1)
- Thiolinea disciformis DSM 14473 (TA-Like pair: WP\_020396247.1 & WP\_020396246.1)
- Nitrosomonas aestuarii (TA-Like pair: WP\_181258270.1 & WP\_107796244.1)
- Jiangella anatolica (TA-Like pair: WP\_158563893.1 & WP\_158563895.1)
- Desulfosarcina widdellii (TA-Like pair: WP\_155306930.1 & WP\_197740440.1)
- Desulfosarcina ovata subsp sediminis (TA-Like pair: WP\_155323211.1 & WP\_197910489.1)
- Mycolicibacterium pulveris (TA-Like pair: WP\_163904291.1 & WP\_170307943.1)
- Nitrosomonas mobilis (TA-Like pair: WP\_176753975.1 & WP\_090288080.1)
- Gracilimonas mengyeensis (TA-Like pair: WP\_185957225.1 & WP\_142454219.1)
- Mycobacterium pseudokansasii (TA-Like pair: WP\_036402542.1 & WP\_036402846.1)
- Pontiella sulfatireligans (TA-Like pair: WP\_136065166.1 & WP\_136065168.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/T8\\_pdfs/D128.txt](http://130.235.240.53/NetFlax/T8_pdfs/D128.txt)