Predicted Toxin (Red Pentagon) Domain ID: D169

-- RefSeq Protein Description: type II toxin-antitoxin system VapC family toxin

-- TADB Annotation: VapC PAE0151; PubMed: 22539524 -- NCBI-CDD Annotation: PIN\_Pae0151-like

-- HHpred(Pfam) Annotation: PIN; PIN domain (96.66%)

-- HHpred(PDB) Annotation: VapC toxin, VapB antitoxin (96.60%)

Methylovulum psychrotolerans (TA-Like pair: WP\_088619246.1 & WP\_088619245.1) Thiorhodococcus mannitoliphagus (TA-Like pair: WP\_164653527.1 & WP\_164653526.1)

Nitrospira moscoviensis (TA-Like pair: WP\_053378815.1 & WP\_053378816.1)

Extensimonas perlucida (TA-Like pair: WP\_144734034.1 & WP\_144734031.1)

Thiohalocapsa halophila (TA-Like pair: WP\_200235011.1 & WP\_200235013.1)

Salinisphaera japonica YTM 1 (TA-Like pair: WP\_123656689.1 & WP\_123656690.1)

Predicted Antitoxin (Blue Pentagon) Domain ID: M231

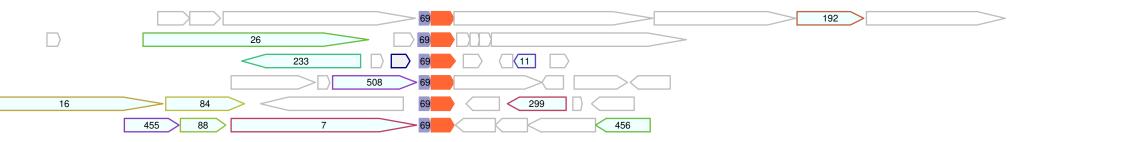
-- RefSeq Protein Description: hypothetical protein

-- TADB Annotation: No Hit

-- NCBI-CDD Annotation: No Hit

-- HHpred(Pfam) Annotation: RHH\_6; Ribbon-helix-helix domain (93.67%)

-- HHpred(PDB) Annotation: Putative uncharacterized protein (93.79%)



<sup>\*\*</sup> For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/Mini\_pdfs/M231.txt