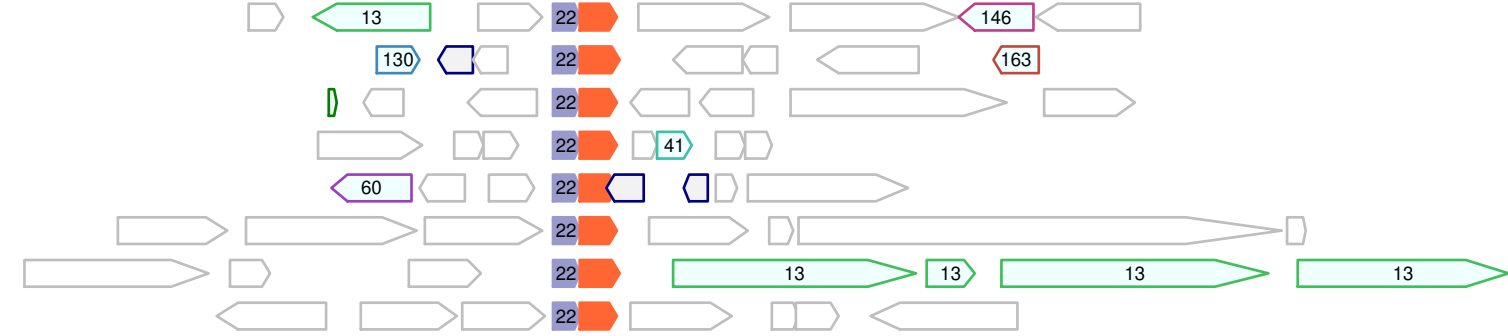


Predicted Toxin (Red Pentagon) Domain ID: D10
-- RefSeq Protein Description: type II toxin-antitoxin system PemK/MazF family toxin
-- TADB Annotation: Toxin MazF9; PubMed: 19016878
-- NCBI-CDD Annotation: PemK_toxin superfamily
-- HHpred(Pfam) Annotation: CcdB ; CcdB protein (94.11%)
-- HHpred(PDB) Annotation: beta-glucosidase 1317 (96.28%)

Predicted Antitoxin (Blue Pentagon) Domain ID: D33
-- RefSeq Protein Description: CopG family transcriptional regulator
-- TADB Annotation: Antitoxin MazE6; PubMed: 18258191
-- NCBI-CDD Annotation: RHH_NikR_HicB-like
-- HHpred(Pfam) Annotation: VapB_antitoxin ; Bacterial antitoxin of type II TA system, VapB (96.78%)
-- HHpred(PDB) Annotation: Bifunctional protein putA/DNA (97.23%)

- Geobacter uraniireducens Rf4 (TA-Like pair: WP_041245387.1 & WP_011938896.1)
- Desulfonatronospira thiodismutans ASO3 1 (TA-Like pair: WP_008869447.1 & WP_008869448.1)
- Stanieria cyanosphaera PCC 7437 (TA-Like pair: WP_015193582.1 & WP_015193581.1)
- Desulfotignum phosphitoxidans DSM 13687 (TA-Like pair: WP_006964500.1 & WP_040011432.1)
- Desulfobacter vibrioformis DSM 8776 (TA-Like pair: WP_035238399.1 & WP_035238397.1)
- Geobacter pickeringii (TA-Like pair: WP_039739508.1 & WP_039739510.1)
- Desulfonatronovibrio magnus (TA-Like pair: WP_045216140.1 & WP_045216138.1)
- Desulfamplus magnetovallimortis (TA-Like pair: WP_080798998.1 & WP_080798995.1)



** For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8_pdfs/D33.txt