

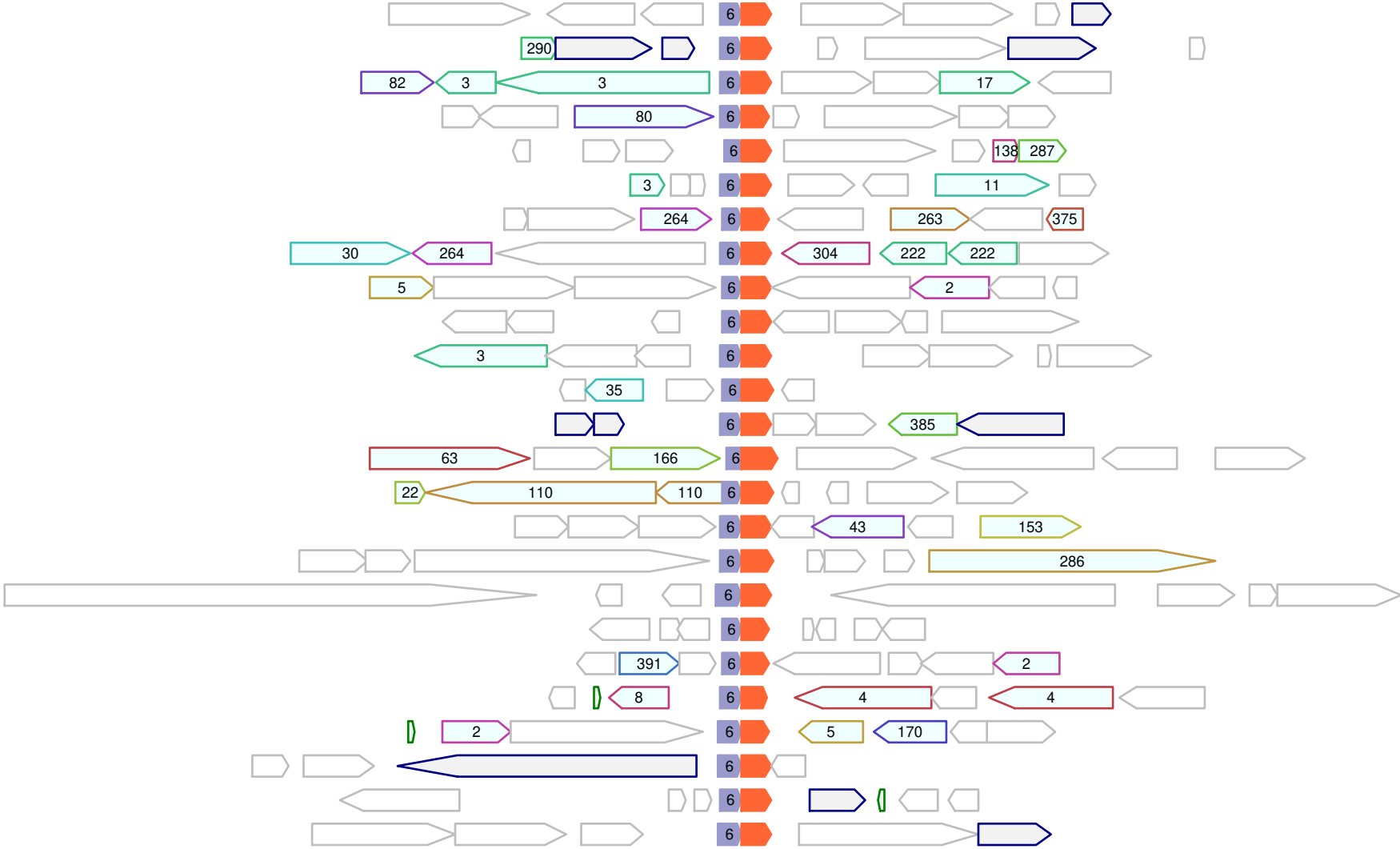
Predicted Toxin (Red Pentagon) Domain ID: D45

- RefSeq Protein Description: type II toxin-antitoxin system PemK/MazF family toxin
- TADB Annotation: ppGpp-regulated growth inhibitor ChpA/MazF; PubMed: 12718874
- NCBI-CDD Annotation: PemK_toxin superfamily
- HHpred(Pfam) Annotation: PemK_toxin ; PemK-like, MazF-like toxin of type II toxin-antitoxin system (98.97%)
- HHpred(PDB) Annotation: PemK-like cell growth regulatory protein (98.65%)

Predicted Antitoxin (Blue Pentagon) Domain ID: D101

- RefSeq Protein Description: ribbon-helix-helix protein, CopG family
- TADB Annotation: No Hit
- NCBI-CDD Annotation: No Hit
- HHpred(Pfam) Annotation: RHH_3 ; Ribbon-helix-helix domain (78.28%)
- HHpred(PDB) Annotation: Probable endoribonuclease MazF7 (92.78%)

- Acetomicrobium flavidum (TA-Like pair: WP_074199984.1 & WP_074199985.1)
- Caldicellulosiruptor morganii (TA-Like pair: WP_045168672.1 & WP_045168673.1)
- Chloroflexus islandicus (TA-Like pair: WP_066782844.1 & WP_066782846.1)
- Glycomyces terrestris (TA-Like pair: WP_125249436.1 & WP_125249435.1)
- Actinomyces qiguomingii (TA-Like pair: WP_103063737.1 & WP_103063736.1)
- Geobacter uraniireducens Rf4 (TA-Like pair: WP_011938863.1 & WP_011938864.1)
- Dietzia papillomatosi NBRC 105045 (TA-Like pair: WP_061229676.1 & WP_061229677.1)
- Luteipulveratus halotolerans (TA-Like pair: WP_050669298.1 & WP_197275160.1)
- Microtholunatus parietis (TA-Like pair: WP_179748867.1 & WP_179748865.1)
- Nocardia arizonensis (TA-Like pair: WP_054815380.1 & WP_054815381.1)
- Mesotoga infera (TA-Like pair: WP_169698504.1 & WP_169698505.1)
- Waddlia chondrophila WSU 86 1044 (TA-Like pair: WP_013183023.1 & WP_013183024.1)
- Mycobacterium gallinarum (TA-Like pair: WP_163738611.1 & WP_163738614.1)
- Actinomyces glycerinitolerans (TA-Like pair: WP_073331494.1 & WP_083565848.1)
- Blastococcus saxosidens DD2 (TA-Like pair: WP_014374211.1 & WP_014374210.1)
- Corynebacterium durum F0235 (TA-Like pair: WP_006063969.1 & WP_040360174.1)
- Salinivenuus iranica (TA-Like pair: WP_103037489.1 & WP_103037490.1)
- Cellulosimicrobium terreum (TA-Like pair: WP_191614326.1 & WP_191614327.1)
- Demequina silvatica (TA-Like pair: WP_062520438.1 & WP_062520440.1)
- Isoptericola chiayiensis (TA-Like pair: WP_172150798.1 & WP_172150796.1)
- Promicromonospora citrea (TA-Like pair: WP_171106659.1 & WP_171106658.1)
- Phytoactinopolyspora alkaliphila (TA-Like pair: WP_163818789.1 & WP_163818788.1)
- Miniimonas arenae (TA-Like pair: WP_139987147.1 & WP_139987146.1)
- Aeoliella mucimassa (TA-Like pair: WP_145250681.1 & WP_145250684.1)
- Frankia canadensis (TA-Like pair: WP_101832062.1 & WP_165818392.1)



** For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8_pdfs/D101.txt