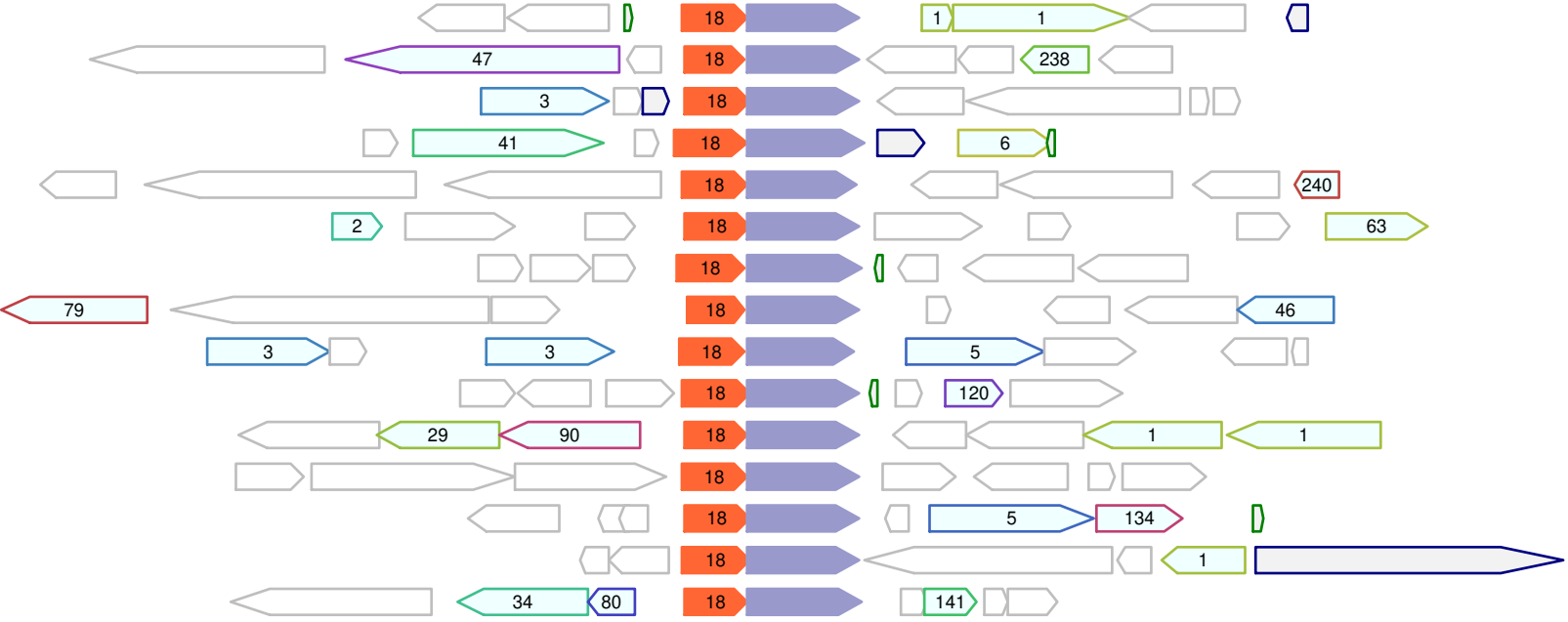


Predicted Antitoxin (Blue Pentagon) Domain ID: D25  
-- RefSeq Protein Description: Imma/IrrE family metallo-endopeptidase  
-- TADB Annotation: No Hit  
-- NCBI-CDD Annotation: Peptidase\_M78  
-- HHpred(Pfam) Annotation: Peptidase\_M78 ; IrrE N-terminal-like domain (99.11%)  
-- HHpred(PDB) Annotation: IRRE PROTEIN (99.28%)

Predicted Toxin (Red Pentagon) Domain ID: D56  
-- RefSeq Protein Description: hypothetical protein  
-- TADB Annotation: No Hit  
-- NCBI-CDD Annotation: No Hit  
-- HHpred(Pfam) Annotation: No Hit  
-- HHpred(PDB) Annotation: No Hit

Prevotella fusca JCM 17724 (TA-Like pair: WP\_025078931.1 & WP\_025078930.1)  
Chryseolinea serpens (TA-Like pair: WP\_073139059.1 & WP\_073139057.1)  
Serratia proteamaculans (TA-Like pair: WP\_153857737.1 & WP\_153857738.1)  
Sulfitobacter indolifex (TA-Like pair: WP\_132447099.1 & WP\_132447101.1)  
Terracidiphilus gabretensis (TA-Like pair: WP\_058188294.1 & WP\_157439895.1)  
Lewinella xylanilytica (TA-Like pair: WP\_104421149.1 & WP\_170067763.1)  
Gimesia alba (TA-Like pair: WP\_145218147.1 & WP\_145218145.1)  
Pyxidicoccus trucidator (TA-Like pair: WP\_164008485.1 & WP\_164008483.1)  
Streptacidiphilus carbonis (TA-Like pair: WP\_042407513.1 & WP\_052433198.1)  
Hymenobacter actinosclerus (TA-Like pair: WP\_143069666.1 & WP\_177189648.1)  
Sphingomonas ginsenosidivorax (TA-Like pair: WP\_147081784.1 & WP\_147081782.1)  
Acinetobacter nosocomialis (TA-Like pair: WP\_000951724.1 & WP\_000067934.1)  
Paenibacillus lentus (TA-Like pair: WP\_125081097.1 & WP\_125081096.1)  
Dyadobacter psychrotolerans (TA-Like pair: WP\_131962612.1 & WP\_131962614.1)  
Cytophaga hutchinsonii ATCC 33406 (TA-Like pair: WP\_041932258.1 & WP\_011584875.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/T8\\_pdfs/D56.txt](http://130.235.240.53/NetFlax/T8_pdfs/D56.txt)