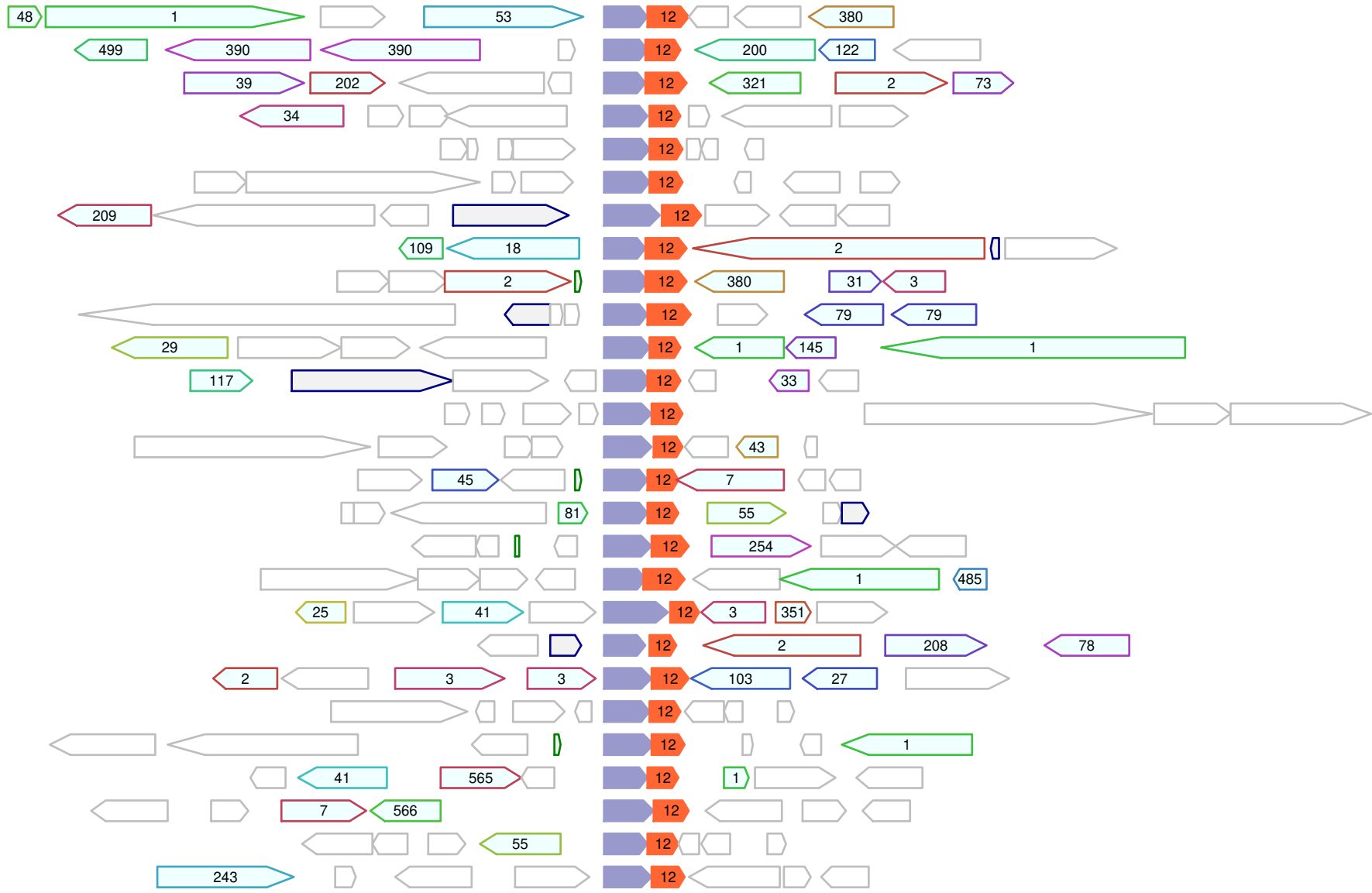


Antitoxin (Blue Pentagon) Domain Name: PanA

Predicted Toxin (Red Pentagon) Domain ID: D6  
-- RefSeq Protein Description: type II toxin-antitoxin system death-on-curing family toxin  
-- TADB Annotation: No Hit  
-- NCBI-CDD Annotation: Fic superfamily\_Fic  
-- HHpred(Pfam) Annotation: Fic ; Fic/DOC family (87.67%)  
-- HHpred(PDB) Annotation: Death on curing protein, Prevent (97.17%)

Bifidobacterium animalis subsp lactis BB 12 (TA-Like pair: WP\_004218824.1 & WP\_004269065.1)  
Bifidobacterium primatium (TA-Like pair: WP\_100511530.1 & WP\_100511531.1)  
Bifidobacterium adolescentis L2 32 (TA-Like pair: WP\_003806794.1 & WP\_003806793.1)  
Pseudopropionibacterium massiliense (TA-Like pair: WP\_130875562.1 & WP\_130875761.1)  
Demequina sediminicola (TA-Like pair: WP\_062069425.1 & WP\_062069422.1)  
Microbacterium halotolerans (TA-Like pair: WP\_119696777.1 & WP\_119696778.1)  
Corynebacterium pseudodiphtheriticum (TA-Like pair: WP\_126850242.1 & WP\_064833389.1)  
Collinsella bouchesdurhonensis (TA-Like pair: WP\_171022813.1 & WP\_138378440.1)  
Bombiscardovia coagulans (TA-Like pair: WP\_158520409.1 & WP\_094722761.1)  
Bifidobacterium asteroides (TA-Like pair: WP\_154313313.1 & WP\_154313312.1)  
Propionibacterium acidifaciens (TA-Like pair: WP\_123826133.1 & WP\_021796595.1)  
Corynebacterium kroppenstedtii (TA-Like pair: WP\_052722409.1 & WP\_082089962.1)  
Nocardia higoensis (TA-Like pair: WP\_195005043.1 & WP\_195005044.1)  
Mycobacterium arosiense ATCC BAA 1401 DSM 45069 (TA-Like pair: WP\_083067236.1 & WP\_158085935.1)  
Klugiella xanthotipulae (TA-Like pair: WP\_141915727.1 & WP\_141915729.1)  
Brevibacterium ravenspurgense (TA-Like pair: WP\_070424525.1 & WP\_061943189.1)  
Corynebacterium diphtheriae (TA-Like pair: WP\_014318824.1 & WP\_014303124.1)  
Alloscardovia criceti DSM 17774 (TA-Like pair: WP\_051067160.1 & WP\_018142389.1)  
Brevibacterium aurantiacum (TA-Like pair: WP\_009881659.1 & WP\_162619308.1)  
Ornithinimicrobium cerasi (TA-Like pair: WP\_161965256.1 & WP\_122263848.1)  
Corynebacterium frankenforstense DSM 45800 (TA-Like pair: WP\_075663005.1 & WP\_075663004.1)  
Curtobacterium citreum (TA-Like pair: WP\_141861695.1 & WP\_141861693.1)  
Actinomyces weissii (TA-Like pair: WP\_200276360.1 & WP\_200276358.1)  
Rothia terrae (TA-Like pair: WP\_190723848.1 & WP\_190723847.1)  
Nostoc paludosum FACHB 159 (TA-Like pair: WP\_190958593.1 & WP\_190958608.1)  
Microlunatus sagamiharensis (TA-Like pair: WP\_091076745.1 & WP\_091076741.1)  
Corynebacterium doosanense CAU 212 DSM 45436 (TA-Like pair: WP\_018022803.1 & WP\_018022804.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/T8\\_pdfs/D6.txt](http://130.235.240.53/NetFlax/T8_pdfs/D6.txt)