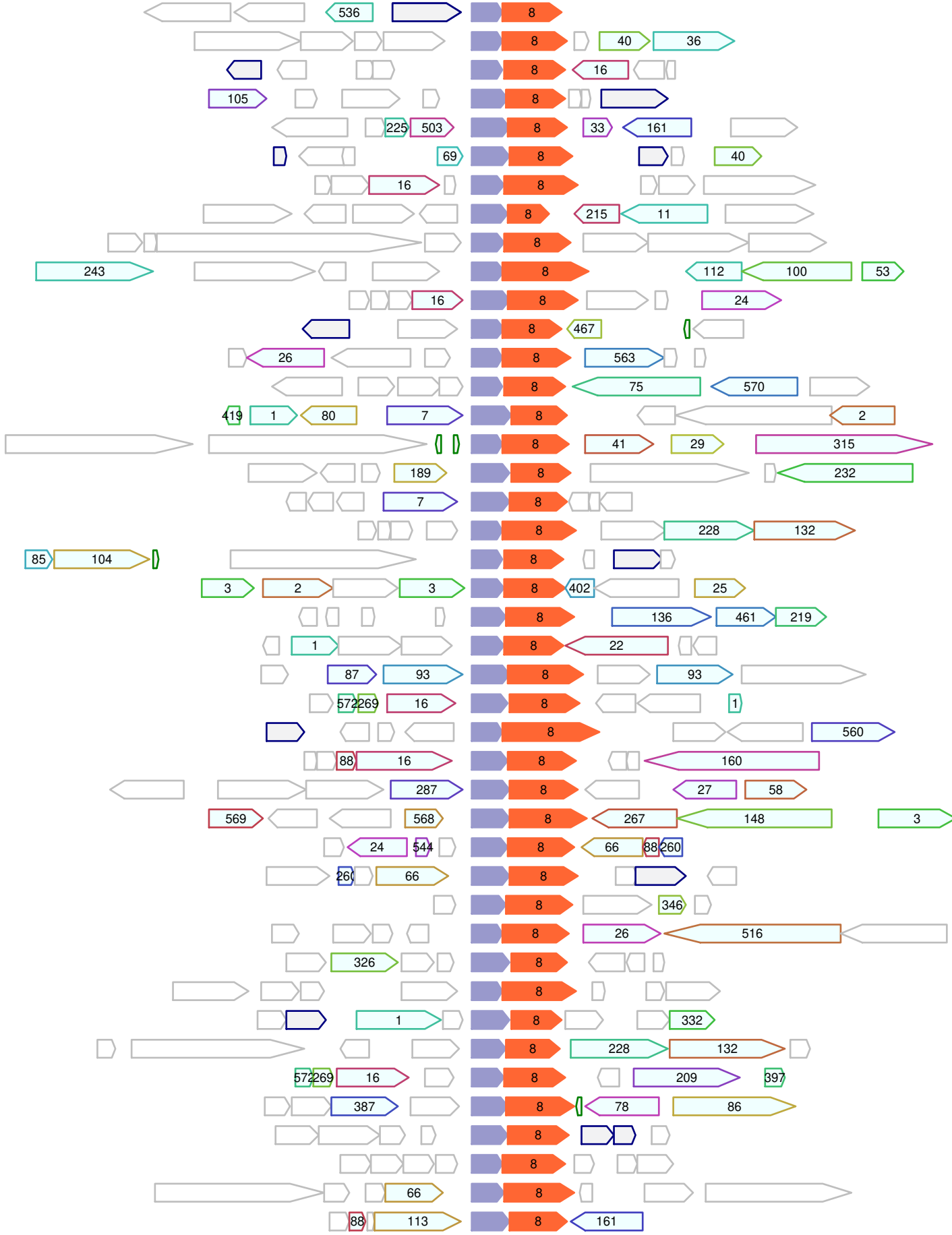


Antitoxin (Blue Pentagon) Domain Name: PanA

Predicted Toxin (Red Pentagon) Domain ID: D4
-- RefSeq Protein Description: CvpA family protein
-- TADB Annotation: No Hit
-- NCBI-CDD Annotation: No Hit
-- HHpred(Pfam) Annotation: DUF6041 ; Family of unknown function (DUF6041) (60.69%)
-- HHpred(PDB) Annotation: Fusion protein of Soluble cytochrome (87.02%)

Lacrimispora amygdalina (TA-Like pair: WP_118321932.1 & WP_144365081.1)
Streptococcus hyointestinalis (TA-Like pair: WP_164683821.1 & WP_164682187.1)
Clostridium indicum (TA-Like pair: WP_117418574.1 & WP_117418575.1)
Kallipyga gabonensis (TA-Like pair: WP_053943008.1 & WP_053943009.1)
Streptococcus didelphis DSM 15616 (TA-Like pair: WP_018366998.1 & WP_018366997.1)
Virgibacillus soli (TA-Like pair: WP_057987426.1 & WP_057987429.1)
Clostridium thermobutyricum (TA-Like pair: WP_195970276.1 & WP_195970277.1)
Fructilactobacillus fructivorans (TA-Like pair: WP_010022302.1 & WP_040472327.1)
Pelosinus fermentans JBW45 (TA-Like pair: WP_007959731.1 & WP_007959734.1)
Pontibacillus halophilus JSM 076056 DSM 19796 (TA-Like pair: WP_026801852.1 & WP_026801853.1)
Niameybacter massiliensis (TA-Like pair: WP_053983440.1 & WP_053983441.1)
Helicobacter sp 13S00482 2 (TA-Like pair: WP_095295401.1 & WP_095295403.1)
Paenibacillus koleovorans NBRC 103111 (TA-Like pair: WP_127584831.1 & WP_127584829.1)
Treponema lecithinolyticum ATCC 700332 (TA-Like pair: WP_040847200.1 & WP_021686238.1)
Butyricicoccus faecihominis (TA-Like pair: WP_118729321.1 & WP_118729322.1)
Lactobacillus spicheri DSM 15429 (TA-Like pair: WP_056964199.1 & WP_056964197.1)
Acinetobacter wuhouensis (TA-Like pair: WP_087552129.1 & WP_087552128.1)
Acinetobacter wanguhuae (TA-Like pair: WP_153371409.1 & WP_153371410.1)
Weissella jogaejeotgali (TA-Like pair: WP_075268854.1 & WP_075268855.1)
Bombilactobacillus mellis (TA-Like pair: WP_174789241.1 & WP_174789242.1)
Gordonibacter urolithinfaciens (TA-Like pair: WP_162457336.1 & WP_087190119.1)
Enorma burkinafasonensis (TA-Like pair: WP_144744442.1 & WP_144744441.1)
Fusobacterium gonidiaformans ATCC 25563 (TA-Like pair: WP_010680659.1 & WP_010680660.1)
Lactobacillus baoqingensis (TA-Like pair: WP_164508600.1 & WP_125754331.1)
Clostridium tepidum (TA-Like pair: WP_078024486.1 & WP_078024487.1)
Leuconostoc gelidum subsp gasicomitatum (TA-Like pair: WP_179304224.1 & WP_179304223.1)
Brochothrix campestris FSL F6 1037 (TA-Like pair: WP_035313008.1 & WP_035313009.1)
Pediococcus acidilactici (TA-Like pair: WP_008842311.1 & WP_056985232.1)
Acinetobacter venetianus (TA-Like pair: WP_192413400.1 & WP_192413399.1)
Bacillus benzoovorans (TA-Like pair: WP_184527450.1 & WP_184527451.1)
Cerasibacillus quisquiliarum (TA-Like pair: WP_170226575.1 & WP_146935286.1)
Salimicrobium salexigens (TA-Like pair: WP_076569660.1 & WP_076569662.1)
Campylobacter canadensis (TA-Like pair: WP_172233900.1 & WP_172233898.1)
Acinetobacter larvae (TA-Like pair: WP_067554226.1 & WP_067554229.1)
Staphylococcus edaphicus (TA-Like pair: WP_099091142.1 & WP_099091143.1)
Weissella soli (TA-Like pair: WP_147152616.1 & WP_147152614.1)
Miniphocibacter massiliensis (TA-Like pair: WP_100066037.1 & WP_100066038.1)
Clostridium paraputrificum (TA-Like pair: WP_195963422.1 & WP_195963421.1)
Listeria costaricensis (TA-Like pair: WP_162921684.1 & WP_099221678.1)
Peptoniphilus obesi (TA-Like pair: WP_019132667.1 & WP_019132666.1)
Helicobacter rodentium ATCC 700285 (TA-Like pair: WP_051604717.1 & WP_026943962.1)
Clostridioides difficile VL 0167 (TA-Like pair: WP_074138354.1 & WP_074138355.1)
Streptococcus phage P9 (TA-Like pair: YP_001469231.1 & YP_001469232.1)



** For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8_pdfs/D4.txt