Predicted Toxin (Red Pentagon) Domain ID: D36
-- RefSeq Protein Description: Txe/YoeB family addiction module toxin
-- TADB Annotation: toxin yoeB SCO2236; PubMed: 22431991
-- NCBI-CDD Annotation: ParE_toxin superfamily
-- HHpred(Pfam) Annotation: YafQ_toxin; Bacterial toxin of type II toxin-antitoxin system, YafQ (97.12%)
-- HHpred(PDB) Annotation: YoeB/ParE (97.63%)

Tepidanaerobacter syntrophicus (TA-Like pair: WP 059032740.1 & WP 059032741.1) Lachnoanaerobaculum orale (TA-Like pair: WP 124952366.1 & WP 124952365.1) Clostridium aminophilum (TA-Like pair: WP 031474082.1 & WP 031474084.1) Cuneatibacter caecimuris (TA-Like pair: WP 130435683.1 & WP 130435682.1) Sedimentibacter hydroxybenzoicus DSM 7310 (TA-Like pair: WP 179236352.1 & WP 179236353.1) Desulfitobacterium hafniense Y51 (TA-Like pair: WP 005813972.1 & WP 005813975.1) Lactobacillus koreensis (TA-Like pair: WP 048734379.1 & WP 048734380.1) Fusobacterium pseudoperiodonticum (TA-Like pair: WP 099985338.1 & WP 005969745.1) Selenomonas massiliensis (TA-Like pair: WP 106626191.1 & WP 106626192.1) Peptoniphilus rhinitidis 1 13 (TA-Like pair: WP 010245713.1 & WP 010245716.1) Campylobacter troglodytis (TA-Like pair: WP 142692661.1 & WP 142692662.1) Pediococcus parvulus (TA-Like pair: WP 057784597.1 & WP 057784598.1) Sporolactobacillus pectinivorans (TA-Like pair: WP 100489010.1 & WP_100489009.1) Aminicella lysinilytica (TA-Like pair: WP 133528935.1 & WP 133528936.1) Pediococcus claussenii ATCC BAA 344 (TA-Like pair: WP 014214629.1 & WP 014214628.1) Sulfurospirillum delevianum DSM 6946 (TA-Like pair: WP 012857290.1 & WP 012857289.1) Campylobacter showae (TA-Like pair: WP 004321700.1 & WP 004321702.1) Lachnoanaerobaculum orale (TA-Like pair: WP 124952867.1 & WP 124952866.1) Treponema ruminis (TA-Like pair: WP 184656343.1 & WP 184656342.1) Treponema primitia ZAS 2 (TA-Like pair: WP 015707034.1 & WP 015707035.1) Mobiluncus holmesii (TA-Like pair: WP 154543490.1 & WP 195839315.1) Selenomonas massiliensis (TA-Like pair: WP 106626525.1 & WP 106626526.1) Aminomonas paucivorans DSM 12260 (TA-Like pair: WP 006301861.1 & WP 006301862.1) Desulfovibrio legallii (TA-Like pair: WP 092152542.1 & WP 092152543.1) Acidaminobacter hydrogenoformans DSM 2784 (TA-Like pair: WP 092593580.1 & WP 092593582.1) Treponema pedis (TA-Like pair: WP 024469426.1 & WP 024469427.1) Cloacibacillus porcorum (TA-Like pair: WP 066743168.1 & WP 066743162.1) Pasteurella skyensis (TA-Like pair: WP 176673464.1 & WP 176673465.1) Companilactobacillus jidongensis (TA-Like pair: WP 125591153.1 & WP 125591171.1) Stomatobaculum longum (TA-Like pair: WP 009533300.1 & WP 083826792.1) Acetilactobacillus jinshanensis (TA-Like pair: WP 133441965.1 & WP 133441966.1) Mobiluncus curtisii ATCC 43063 (TA-Like pair: WP 013189180.1 & WP 013189181.1) Actinomyces urogenitalis (TA-Like pair: WP 006549251.1 & WP 101638280.1) Lactobacillus crispatus (TA-Like pair: WP 013086892.1 & WP 013086891.1) Leptotrichia massiliensis (TA-Like pair: WP 071124534.1 & WP 071124533.1) Shuttleworthia satelles DSM 14600 (TA-Like pair: WP 045000410.1 & WP 006906524.1) Mobiluncus mulieris (TA-Like pair: WP 036342174.1 & WP 004011984.1) Gardnerella leopoldii (TA-Like pair: WP_004105185.1 & WP_080550925.1)

** For the description of flanking genes, please check this link: http://130.235.240.53/NetFlax/T8_pdfs/D94.txt

Predicted Antitoxin (Blue Pentagon) Domain ID: D94

- -- RefSeg Protein Description: type II toxin-antitoxin system RelB/DinJ family antitoxin
- -- TADB Annotation: antitoxin DinJ; PubMed: 27557125
- -- NCBI-CDD Annotation: RelB superfamily
- -- HHpred(Pfam) Annotation: RelB; RelB antitoxin (97.45%)
- -- HHpred(PDB) Annotation: Antitoxin RelB, mRNA interferase RelE (98.10%)

