

Predicted Toxin (Red Pentagon) Domain ID: D10  
-- RefSeq Protein Description: type II toxin-antitoxin system PemK/MazF family toxin  
-- TADB Annotation: Toxin MazF9; PubMed: 19016878  
-- NCBI-CDD Annotation: PemK\_toxin superfamily  
-- HHpred(Pfam) Annotation: CcdB ; CcdB protein (94.11%)  
-- HHpred(PDB) Annotation: beta-glucosidase 1317 (96.28%)

Predicted Antitoxin (Blue Pentagon) Domain ID: D24  
-- RefSeq Protein Description: CopG family transcriptional regulator  
-- TADB Annotation: Possible antitoxin MazE9; PubMed: 19016878  
-- NCBI-CDD Annotation: RHH\_CopG\_NikR-like superfamily  
-- HHpred(Pfam) Annotation: ParD\_antitoxin ; Bacterial antitoxin of ParD toxin-antitoxin type II system and RHH (94.82%)  
-- HHpred(PDB) Annotation: beta-glucosidase 1317 (97.56%)

Saccharopolyspora erythraea NRRL 2338 (TA-Like pair: WP\_009947932.1 & WP\_009947934.1)  
Gloeotheca verrucosa PCC 7822 (TA-Like pair: WP\_013322884.1 & WP\_013322885.1)  
Arthrospira maxima CS 328 (TA-Like pair: WP\_006620406.1 & WP\_006620407.1)  
Saccharomonospora xinjiangensis XJ 54 (TA-Like pair: WP\_006238712.1 & WP\_198284373.1)  
Oscillatoria nigro viridis PCC 7112 (TA-Like pair: WP\_015176443.1 & WP\_015176442.1)  
Kamptonema formosum PCC 6407 (TA-Like pair: WP\_007356571.1 & WP\_007356572.1)  
Scytonema hofmannii PCC 7110 (TA-Like pair: WP\_017746505.1 & WP\_017746504.1)  
Fangia hongkongensis FSC776 DSM 21703 (TA-Like pair: WP\_018300270.1 & WP\_018300269.1)  
Lamprocystis purpurea DSM 4197 (TA-Like pair: WP\_020506091.1 & WP\_020506090.1)  
Aliterella atlantica CENA595 (TA-Like pair: WP\_045056704.1 & WP\_045056703.1)  
Limnospira indica PCC 8005 (TA-Like pair: WP\_006620406.1 & WP\_006620407.1)  
Streptomyces odonnellii (TA-Like pair: WP\_046496803.1 & WP\_046496801.1)  
Crocospaera watsonii WH 0005 (TA-Like pair: WP\_021832397.1 & WP\_007313287.1)  
Sphaerospermopsis aphanizomenoides BCCUSP55 (TA-Like pair: WP\_200323155.1 & WP\_200323153.1)  
Hydrococcus rivularis NIES 593 (TA-Like pair: WP\_073598386.1 & WP\_073598387.1)  
Nostoc calcicola FACHB 389 (TA-Like pair: WP\_073641211.1 & WP\_073641212.1)  
Candidatus Thiodictyon syntrophicum (TA-Like pair: WP\_100922894.1 & WP\_100922893.1)  
Nostoc commune NIES 4072 (TA-Like pair: WP\_109010868.1 & WP\_109010869.1)  
Streptomyces corynorhini (TA-Like pair: WP\_114621925.1 & WP\_114621926.1)  
Amycolatopsis panacis (TA-Like pair: WP\_120022203.1 & WP\_120022204.1)  
Thiobaca trueperi (TA-Like pair: WP\_132977882.1 & WP\_132977883.1)  
Prauserella endophytica (TA-Like pair: WP\_137094588.1 & WP\_170200535.1)  
Calothrix desertica PCC 7102 (TA-Like pair: WP\_096691085.1 & WP\_127080173.1)  
Calothrix desertica PCC 7102 (TA-Like pair: WP\_096691088.1 & WP\_127080174.1)  
Limnospira fusiformis SAG 85 79 (TA-Like pair: WP\_006620406.1 & WP\_006620407.1)  
Dolichospermum flos aquae CCAP 1403 13F (TA-Like pair: WP\_096666814.1 & WP\_168697587.1)  
Rothia nasimurium (TA-Like pair: WP\_185174620.1 & WP\_185174621.1)  
Saccharopolyspora spinosa (TA-Like pair: WP\_010696019.1 & WP\_010696020.1)  
Streptomyces griseorubens (TA-Like pair: WP\_191881472.1 & WP\_191881473.1)  
Anabaena lutea FACHB 196 (TA-Like pair: WP\_190713104.1 & WP\_190713106.1)  
Arthrospira platensis FACHB 439 (TA-Like pair: WP\_006615903.1 & WP\_006615904.1)  
Anabaena catenula FACHB 362 (TA-Like pair: WP\_071188206.1 & WP\_071188205.1)  
Desmonostoc muscorum LEGE 12446 (TA-Like pair: WP\_193913741.1 & WP\_193913739.1)  
Lamprobacter modestohalophilus (TA-Like pair: WP\_200242760.1 & WP\_200242758.1)  
Streptomyces radiopugnans (TA-Like pair: WP\_093654619.1 & WP\_093654617.1)  
Legionella maceachernii (TA-Like pair: WP\_058452759.1 & WP\_058452760.1)

