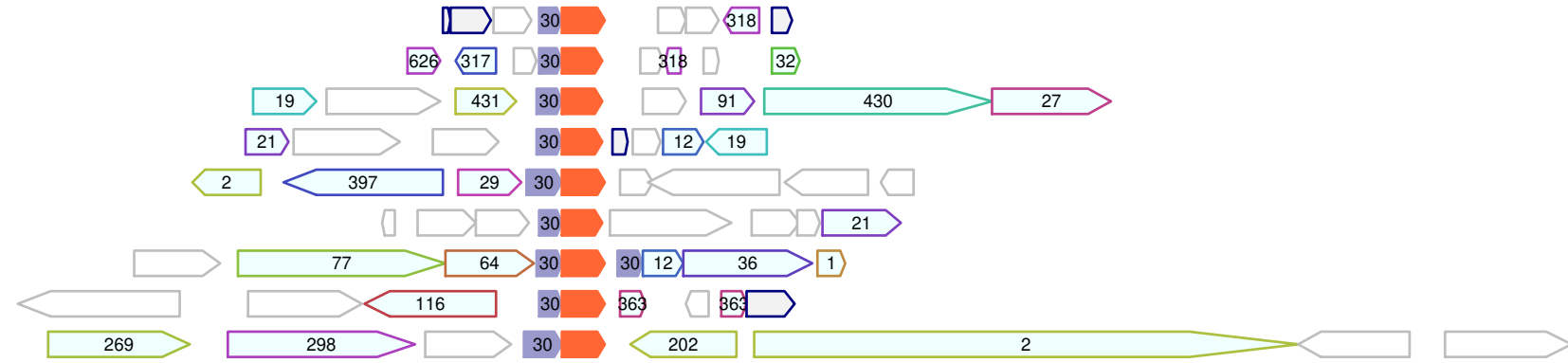


Predicted Toxin (Red Pentagon) Domain ID: D59  
-- RefSeq Protein Description: putative toxin-antitoxin system toxin component, PIN family  
-- TADB Annotation: No Hit  
-- NCBI-CDD Annotation: PIN\_SF superfamily  
-- HHpred(Pfam) Annotation: PIN\_9 ; PIN like domain (96.80%)  
-- HHpred(PDB) Annotation: Uncharacterized protein TTHA0540 (97.56%)

Predicted Antitoxin (Blue Pentagon) Domain ID: D110  
-- RefSeq Protein Description: type II toxin-antitoxin system ParD family antitoxin  
-- TADB Annotation: No Hit  
-- NCBI-CDD Annotation: RHH\_1 superfamily  
-- HHpred(Pfam) Annotation: ParD\_antitoxin ; Bacterial antitoxin of ParD toxin-antitoxin type II system and RHH (93.62%)  
-- HHpred(PDB) Annotation: Prokaryotic Toxin-Antitoxin System, intrinsically disordered (95.41%)

Dolichospermum compactum NIES 806 (TA-Like pair: WP\_096664690.1 & WP\_096664687.1)  
Plectonema cf radiosum LEGE 06105 (TA-Like pair: WP\_193925537.1 & WP\_193925535.1)  
Tychonema bourrellyi FEM GT703 (TA-Like pair: WP\_096831005.1 & WP\_096831004.1)  
Phormidesmis priestleyi ULC007 (TA-Like pair: WP\_073071362.1 & WP\_073071364.1)  
Planktothrix paucivesiculata PCC 9631 (TA-Like pair: WP\_083620350.1 & WP\_083620347.1)  
Phormidium ambiguum IAM M 71 (TA-Like pair: WP\_073596748.1 & WP\_073596749.1)  
Aphanothece hegewaldii CCALE 016 (TA-Like pair: WP\_106458848.1 & WP\_106458847.1)  
Halomicronema excentricum str Lakshadweep (TA-Like pair: WP\_039727444.1 & WP\_044151264.1)  
Spirulina subsalsa PCC 9445 (TA-Like pair: WP\_017303592.1 & WP\_017303591.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/T8\\_pdfs/D110.txt](http://130.235.240.53/NetFlax/T8_pdfs/D110.txt)