

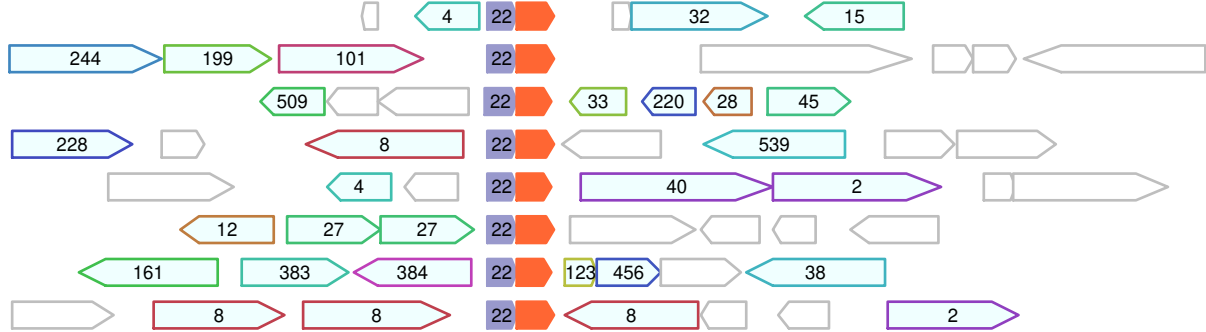
Predicted Toxin (Red Pentagon) Domain ID: D119

- RefSeq Protein Description: type II toxin-antitoxin system YafQ family toxin
- TADB Annotation: No Hit
- NCBI-CDD Annotation: ParE\_toxin superfamily
- HHpred(Pfam) Annotation: ParE-like\_toxin ; ParE-like toxin of type II bacterial toxin-antitoxin system (67.65%)
- HHpred(PDB) Annotation: conserved hypothtcal protein HP0894 (77.01%)

Predicted Antitoxin (Blue Pentagon) Domain ID: D152

- RefSeq Protein Description: type II toxin-antitoxin system Phd/YefM family antitoxin
- TADB Annotation: YefM antitoxin SSUSC84\_1818; PubMed: 26272287
- NCBI-CDD Annotation: PhdYeFM\_antitox
- HHpred(Pfam) Annotation: PHD\_like ; Antitoxin of toxin-antitoxin, RelE / RelB, TA system (94.75%)
- HHpred(PDB) Annotation: Prevent host death protein (96.44%)

- Companilactobacillus keshanensis (TA-Like pair: WP\_058906977.1 & WP\_023061894.1)
- Bombilactobacillus mellis (TA-Like pair: WP\_174788889.1 & WP\_174788888.1)
- Lactobacillus caviae (TA-Like pair: WP\_153709348.1 & WP\_153709349.1)
- Companilactobacillus hulinensis (TA-Like pair: WP\_125762747.1 & WP\_125762745.1)
- Apilactobacillus timberlakei (TA-Like pair: WP\_105988481.1 & WP\_105988480.1)
- Lactobacillus fuyuanensis (TA-Like pair: WP\_125701096.1 & WP\_125701095.1)
- Convivina intestini (TA-Like pair: WP\_089937504.1 & WP\_089937506.1)
- Lactobacillus enshiensis (TA-Like pair: WP\_143462408.1 & WP\_143462407.1)



\*\* For the description of flanking genes, please check this link: [http://130.235.240.53/NetFlax/T8\\_pdfs/D152.txt](http://130.235.240.53/NetFlax/T8_pdfs/D152.txt)