Table S1. Oligonucleotides used in this study

Oligonucleotide	Sequence[a]	Reference
536-Nco-for	5´ - AGA <u>CCA TGG</u> TTG AGA ATA ATG CGC TGA G	(Aoki *et al.*, 2010)
536-Xho-rev	5´ - GAT <u>CTC GAG</u> TAC AAT TAT CTG ATT GAT TTT T	(Aoki et al., 2010)
DUF-536-Nco-for	5´ - TCT <u>CCA TGG</u> GCG TAG ATC CGT CGA AAC TGA C	This study
VENN-less-Nco-for	5´ - AAT G<u>CC ATG G</u>GT CTG GTT GCC AGA GG	This study
tRNase-Nco-for	5´ - ATA <u>CCA TGG</u> GTT CCG GGG CTG CCT C	This study
536-Cys(mut)	5´ - CTT TAG TCC TGC TAG GTG CTG CGA CCG CAC TGC CTC TGG CAA C	This study
pET-Sph/Pst	5´ - CAA GGA ATG GT<u>G CAT GCC TGC AG</u>A TGG CGC CC	(Garza-Sánchez *et al.*, 2006)
pET-Kpn/Nco	5´ - AGT CCA TGG TAC CTC TCC TTC TTA AG	This study
536-H178A-for	5´ - GGA GGA TAT TGG GAT GCT ATG CAG GAA ATG C	(Diner *et al.*, 2012)
536-CT-Xho-rev	5´ - TTA <u>CTC GAG</u> GTA ATC ATA TTC CAT A	This study
536-cdiI-Eco-for	5´ - AGG <u>GAA TTC</u> CAT ATG ATT ACC TTA CGT AAA	This study
536-cdiI-Spe-rev	5´ - GTG ACT AGT TAC AAT TAT CTG ATT GAT TT	This study
colE5-M429-Nco	5´ - CTG CCA TGG AAA GCA GGA AGA AG	This study
imE5-Spe	5´ - AAA ACT AGT CAT CTT TAA CGT GAT AAT GAA AGC	This study
immE5-Eco-for	5´ - GGA <u>GAA TTC</u> TCT ATG AAG TTA TCA CC	This study
pET-Pst-rev	5´ - CGG <u>CTG CAG</u> CAG CCA ACT CAG TGG	This study

colE5-Nco-for	5´ - GAG TTT <u>CCA TGG</u> GCG GTG GCG ATG G	This study
colE5-Bam-rev	5´ - AGC <u>GGA TCC</u> TTT ATT ATC CTC TTT CTT CTT C	This study
colE5-Bam-for	5´ - AAA <u>GGA TCC</u> AGA GAT GCT GAA GGC AAA C	This study
immE5-Xho-rev	5´ - CAC <u>CTC GAG</u> CAT CTT TAA CGT GAT AAT G	This study
536-Bam-rev	5´ - GCC CC<u>G GAT CC</u>G TAC TTA TC	This study
traA-Nco-for	5´ – TAA C<u>CC ATG</u> GTT GCT GTT TTA AGT GTT CAG G	This study
traA-Spe-rev	5´ – TTT AT<u>A CTA GT</u>T CAG AGG CCA ACG ACG GCC ATA CC	This study
traA-D74G	5´ - TTC GGT AAG GGC TCC AGT GTT GTT AAA TGG G	This study
traA-G120C-Spe	5´ - TAT <u>ACT AGT</u> TCA GAG GCA AAC GAC GGC C	This study
ECL-CT-Kpn-for	5´ - GGG <u>GGT ACC</u> ATG GCT GAG AAT AAC TCG CTG GC	This study
ECL-cdiI-Nhe-rev	5´ - CTC T<u>GC TAG C</u>GT TGT TAA GAC TAT GAT AAA AAT C	This study
ECL-cdiI-Eco-for	5´ - GAT TAA G<u>GA ATT C</u>TG GTA TGT TTG G	This study
ECL-cdiI-Sac-rev	5´ - AGT <u>GAG CTC</u> TGT TTC AGT TGT TAA GAC	This study
argQ probe	5´ - CCT CCG ACC GCT CGG TTC G	(Garza-Sánchez et al., 2006)
tyrU probe	5´ - CTT CGA AGT CTG TGA CGG CAG	(Nikolakakis *et al.*, 2012)
traA-cat-for	5´ - ACA TTT AAT ACA CTC TAG TTT TAT TCA TTT ATC CGA AAT TGA GGT AAC TTA TGG AGA AAA AAA TCA CTG GAT ATA CC	This study
traA-cat-rev	5´ - GGA AAC GAT ATT TCT TAA GTT TAT TCT CGT CTC CCG ACA TCG TTT TAT TTC CTG TTA CGC CCC GCC CTG CCA CTC	This study

traT-cat-for	5´ - AAA ACA AGA AGT TAT CAA GAG TAA AAT AAA AGA TAT TAG AGA GTA AAT ATA TGG AGA AAA AAA TCA CTG GAT ATA CC	This study
traT-cat-rev	5´ - CAA AGC GAG GCG TCA GTC AGG AGG CCG TCA GAC CAG CCT CCG GAA GAT AAT TAC GCC CCG CCT GCC ACT C	This study
trbI-cat-for1	5´ - GGA AGA ACA TGA GAA ATA CAG GAG TGT GGC ATG AGT GAG AAA AAA ATC ACT GGA TAT ACC	This study
trbI-cat-for2	5´ - AAG AAG TCA GGG CCG GAA ATG GCT TCG CTG GAA GCC TGG CTG GAA GAA CAT GAG AAA TAC	This study
trbI-cat-rev1	5´ - GCC CCC ATA TCA GCA GGG CAA TCA GCC CCC GGC ATC TCA TGC CCC TCC CTG CCA CTC ATC	This study
trbI-cat-rev2	5´ - CAC AGA TCG CCC CAG GTA CCA AGA TCG GCG GCG GCC ACA CTC TGC CCC CAT ATC AGC AGG	This study
trbI-Kpn-for	5´ - TTT <u>GGT ACC</u> ATG AGT TCA ACG CAG AAC	This study
trbI-Xho-rev	5´ - TTT <u>CTC GAG</u> TCT CAT GGT TCC GCC CTC	This study
[a]Underlined residues correspond to restriction endonuclease sites.		

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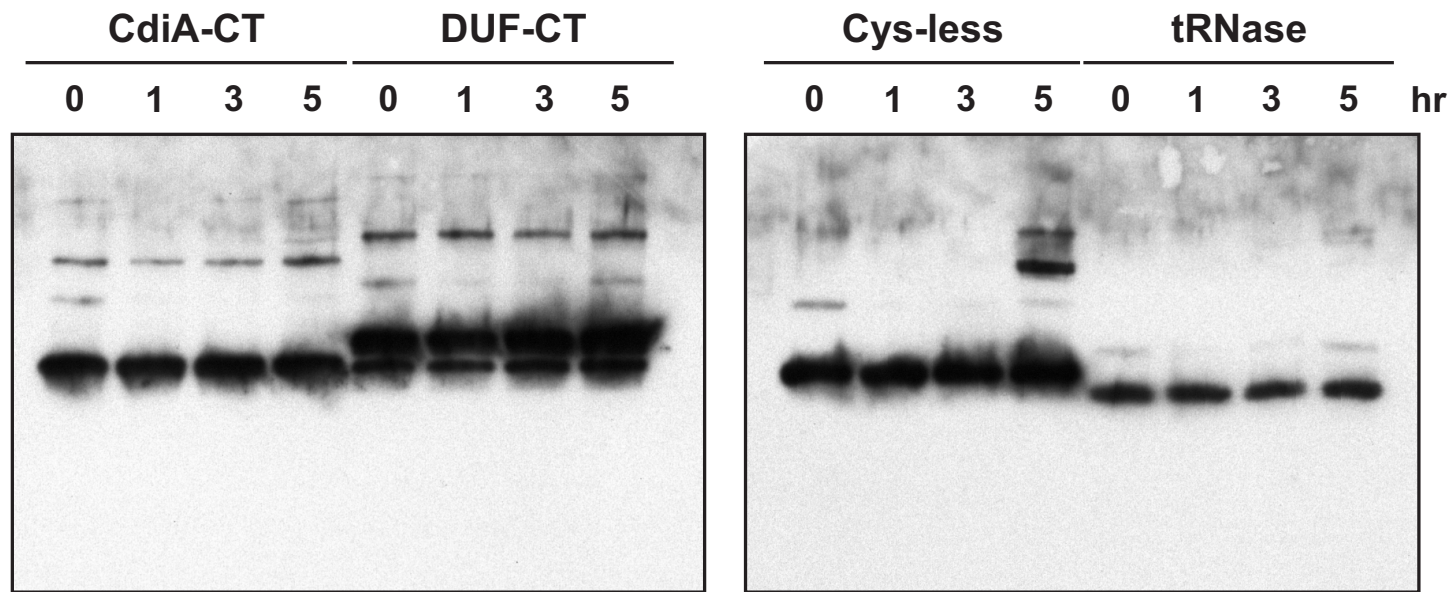
Figure S1. CdiA-CT^{536} toxins are stable in *E. coli* cultures. Purified CdiA-CT^{536} toxins were added at 100 nM to *E. coli* X90 cultures and incubated with shaking at 37 °C. Samples were removed at the indicated times and the culture supernatant analyzed by immunoblot using polyclonal antibodies to CdiA-CT^{536}.
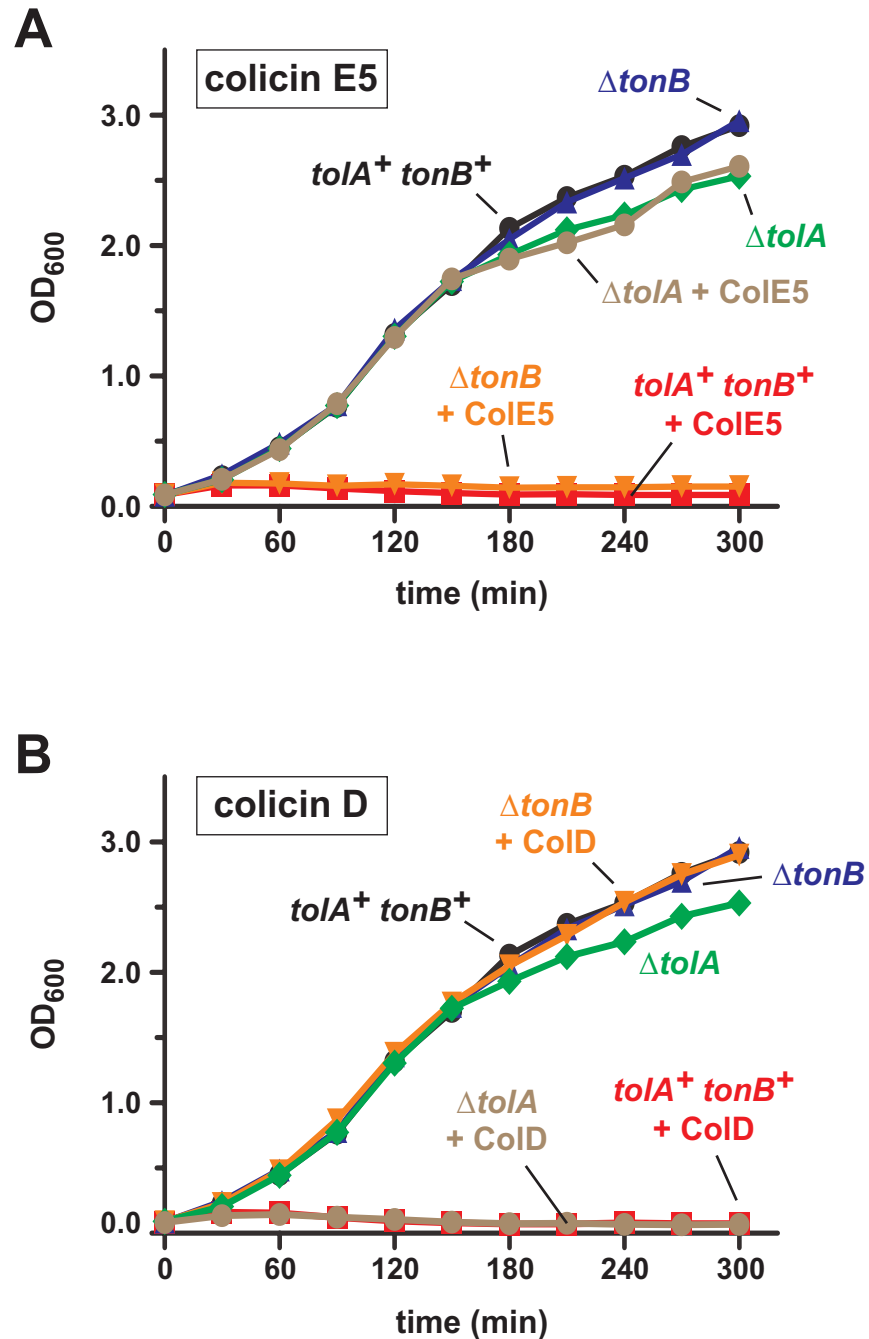
Figure S2. *E. coli* Δ*tolA* and Δ*tonB* mutants are resistant to colicin E5 and D, respectively.
A) *E. coli* X90 was treated with colicin E5 (ColE5, group A) at 0 min and cell growth monitored by optical density at 600 nm (OD_{600}). **B**) *E. coli* X90 was treated at 0 min with colicin D (ColD, group B) and cell growth monitored by OD_{600}. Strains carried Δ*tolA* or Δ*tonB* deletions where indicated.