Table S4 Oligonucleotides used in this study

Oligonucleotides	Sequence (5' to 3')
Construction of *B. subtilis* mutants	
yneS-F1	TACTTGATAGGCAGCATTCC
yneS-R1	CGTCGTGACTGGGAAAACGTATTAGGCTATTCTGTGTC
yneS-F2	GTTATCCGCTCACAATTCACGAAGACGCATTGAACTGG
yneS-R2	GAAGTGAACGGGATATGGCG
cat-F	GAATTGTGAGCGGATAAC
cat-R	GTTTTCCCAGTCACGACG
glpD-N-F	GCGAATTCCGCTGTGGGATTCTGGAAGG
glpD-N-R	GCGGATCCACGATCCTCCGTTGTCATCC
glpD-C-F	GCGAATTCTTCGATACACCTGATGGCCG
glpD-C-R	GCGGATCCTTATTGCTCAAGCGGTACGAC
pMut-glpD-F	GTCAAGCTTGTCTTGAAAGAGATCGCATGC
pMut-glpD-R	GCGGATCCGATGTTCCCGCCGCAAAGTC
pAP-plsX-F	GCGGATCCCATTCATAAAGGTGGAGCATGC
pAP-plsX-R	GCGAATTCACCTCCAGACTACTCATCTG
plsX-F1	GGTGTTCAGCCAGAAACAATCG
plsX-R1	GATATGCCTCCTAAATTTTTATCTAAAGTGGCATGCTCCACCTTTATGAATG
plsX-F2	GATAGGCCTAATGACTGGCTTTTATAAACAGATGAGTAGTCTGGAGG
plsX-R2	ACGGACCGCTTACTTCAAGC
cat-F-p	CACTTTAGATAAAAATTTAGGAGGCATATC
cat-R-t	TTATAAAAGCCAGTCATTAGGCCTATC
plsC-F1	ATTACGACAAAGGAAGTGCG
plsC-CΔ7-R1	GTTATCCGCTCACAATTCTTATAGTTCTTTAATCCGCTGATTCAAAG
plsC-F2	GAGATAATGCCGACTGTACTGGCGTTCTGAGAGATTGTCC
plsC-R2	GATGGACATCATTCAGATTG
plsC-cat-F	TAAGAATTGTGAGCGGATAAC
plsC-cat-R	AGTACAGTCGGCATTATCTC
Construction of expression plasmids for *E. coli*	
PLSB-F	GCGAATTCTTCCAGGAATAGCCAGCAGC
PLSB-R	GCCTGCAGCTGATTTACCCTTCGCCCTG
ECPLSX-F	GCGGATCCGGATTTTCCCCAGGCAACTG
ECPLSX-R	GTCAAGCTTCCTGCTACCGCAGAGTTCCG
YGIH-F	GCGAATTCCGATGGTCTGTTCCCAGTCG
YGIH-R	GCCTGCAGCCAGAAATCACTCGGGATCC
BSPLSX-F	GCGAATTCCATTCATAAAGGTGGAGCATGC
BSPLSX-R	GCGGATCCACCTCCAGACTACTCATCTG
YNES-F	GCGAATTCCAGGAGAAATCAAAATATGATGCATG
YNES-R	GCGGATCCGCTTATAACCATTTTACTTTAGGTTCTG
PLSB-p-F	GCGAATTCGAAACATGAGCGGATACCAC
PLSB-p-R	GCGCATGCTTACCCTTCGCCCTGCGTCGCAC
Spec-F-AatII	GCGACGTCCGAGTTCAAAAATTATATGGAGATCTG
Spec-R-Eam1105I	GCGACTCCCCGTCAGCCTAATTGAGAGAAGTTTCTATAG
TesA-FEcoRI	GCGAATTCTGGTCTCGCCACGTTTGACAAC
TesA-RBamHI	GCGGATCCTCTCCGTTGCTTTATGAGTCATG

Table S4 Oligonucleotides used in this study (continued)

Oligonucleotides	Sequence (5' to 3')
Gene disruption in *E. coli*	
plsBdelup	CCGTTAAATCCGATGATTCGGGTTTGCGTAGCGCCGCGCGAAACATGAGCGGATACCACAGAA TTTCCCATGATTCCGGGGATCCGTCGACC
plsBdeldown	CAGATTATGGAAGGCCGGATAAGGCGTTTTCGCCGCATCCGGCAATTCTCTGATTACCCTTGT GTAGGCTGGAGCTGCTTC
plsXdelup	GGCAACTGGGGAAAGACCAAACCGGGCGGCGACGATACCTTGACACGTCTAACCCTGGCGTTA GGTGTCATGATTCCGGGGATCCGTCGACC
plsXdeldown	TTATATACCGTCACTTGCAAACTGCGAGTTCGCTGGCAGCGTCCTGCTACCGCAGAGTTCCGC TTTTGCCAGGTGTAGGCTGGAGCTGCTTC
ygiHdelup	CGGCGAAATGTGCGTATTATCCACAGATTCATCGTTGTTGAACACGAATTTTCAAAACGGAAC AGCTTATGATTCCGGGGATCCGTCGACC
ygiHdeldown	CAGCAACGGCTGGGCAAGCCCGATGAAGGCTATCAGGTCATGTAGATCCACCAGAAATCACTC GGGATCCTGTGTAGGCTGGAGCTGCTTC
Confirmation of correct gene replacement in *E. coli*	
plsB-check-F	TTAACGCTTTCATTCCGCCC
plsB-check-R	GCCTGCAGAGGCCTACACAACACATCGC
plsX-check-F	CGGAATTCGCCGCAAGGTCATCGCTAAG
plsX-check-R	GCGGATCCACCGTCACTTGCAAACTGCG
ygiH-check-F	CGGAATTCCCGAAAGTTGCTCTATAAATAC
ygiH-check-R	GCAGATCTCCGATGAAGGCTATCAGGTC
k1	CAGTCATAGCCGAATAGCCT
k2	CGGTGCCCTGAATGAACTGC
Construction of *E. coli* strains harboring IAA-inducible genes	
Ptrp-FMunI	GCCAATTGGCCGACATCATAACGGTTCTGG
Ptrp-REcoRI	GCGAATTCTGTTCAAAAAAAAGCCCGCTCATTAG
PLSB-F2	GCGAATTCCCAGAGGCTTTACATCGTTTATGTC
PLSB-R2	GCAGATCTTTACCCTTCGCCCTGCGTCGCACTCTC
ECPLSX-F2	GCGGATCCGGATTTTCCCCAGGCAACTG
EC-PLSX-R2	GCGGATCCCCTGCTACCGCAGAGTTCCG
YGIH-F2	GCGAATTCCAAAACGGAACAGCTTATGAGTGC
YGIH-R2	GCAGATCTCCAGAAATCACTCGGGATCC