

TABLE S1. Strains used in this study

name	relevant genotype	construction or reference
<i>E. coli</i> :		
DH5a	<i>F- endA1 glnV44 thi-1 recA1 relA1 gyrA96 deoR nupG Φ80dlacZΔM15 Δ(lacZYA-argF)U169, hsdR17(rK- mK+), λ-</i>	stock collection
BL21	<i>F- λ- fhuA2 [lon] ompT lacZ::T7 gal sulA11 Δ(mcrC-mrr)114::IS10 R(mcr-73::miniTn10-Tets)2 R(zgb-210::Tn10)(Tets) endA1 [dcm]</i>	stock collection
EC.ASEC19	pET(P ₁₇ <i>his-ydcH, lacI, kan</i>)	pET_ydcH_H-Nt ->DH5a
<i>B. subtilis</i> :		
168	wild type "168-Oxford" (24 variations with GenBank AL009126.3)	stock collection
RCL78	<i>Δmbl::cm</i>	(1)
3725	<i>neo-ΔmreB</i>	(2)
ABS1761	<i>amyE::P_{ydc1} lacZ-spc</i>	pAC769 -> 168
ABS1763	<i>amyE::P_{ydc2} lacZ-spc</i>	pAC772 -> 168
ABS1765	<i>amyE::P_{ydc1-2} lacZ-spc</i>	pAC775 -> 168
ABS1767	<i>amyE::P_{ydc0} lacZ-spc</i>	pAC778 -> 168
ABS1762	<i>amyE::P_{ydc1} lacZ-spc ; neo-ΔmreB</i>	pAC769 -> 3725
ABS1769	<i>amyE::P_{ydc1} lacZ-spc ; Δmbl::cm</i>	RCL78 -> ABS1761
ABS1381	<i>ΔydcH::spc</i>	LFH PCR -> 168
ABS1798	<i>ΔydcH::spc::erm</i>	pQP1 -> ABS1381
ABS1820	<i>ΔydcH::spc::erm ; amyE::P_{ydc1} lacZ-spc</i>	pAC769 -> ABS1798
ABS1821	<i>ΔydcH::spc::erm ; amyE::P_{ydc2} lacZ-spc</i>	pAC772 -> ABS1798
ABS1822	<i>ΔydcH::spc::erm ; amyE::P_{ydc1-2} lacZ-spc</i>	pAC775 -> ABS1798
ABS1823	<i>ΔydcH::spc::erm ; amyE::P_{ydc0} lacZ-spc</i>	pAC778 -> ABS1798
BKE04750	<i>ΔydcF::erm</i>	BKE collection (BGSC)
BKE04760	<i>ΔydcG::erm</i>	BKE collection (BGSC)
BKE04770	<i>ΔydcH::erm</i>	BKE collection (BGSC)
ASEC275	<i>ΔydcF::erm</i>	BKE4750 -> 168
ASEC277	<i>ΔydcG::erm</i>	BKE4760 -> 168
ASEC279	<i>ΔydcH::erm</i>	BKE4770 -> 168
ASEC287	<i>ΔydcF*</i>	pDR244 -> ASEC275
ASEC289	<i>ΔydcG*</i>	pDR244 -> ASEC277
ASEC333	<i>ΔydcF* ; amyE::P_{ydc2} lacZ-spc</i>	ABS1763 -> ASEC287
ASEC335	<i>ΔydcG* ; amyE::P_{ydc2} lacZ-spc</i>	ABS1763 -> ASEC289
ABS2057	<i>sacA::Km</i>	pSac-Kan -> 168
ABS2084	<i>sacA::km::P_{ydc1} lacZ-cm</i>	pAC826 -> ABS2057
ASEC281	<i>ΔydcF::erm ; sacA::km::P_{ydc1} lacZ-cm</i>	BKE04750 -> ABS2084
ASEC283	<i>ΔydcG::erm ; sacA::km::P_{ydc1} lacZ-cm</i>	BKE04760 -> ABS2084
ASEC297	<i>ΔydcF* ; sacA::km::P_{ydc1} lacZ-cm</i>	pDR244 -> ASEC281
ASEC301	<i>ΔydcG* ; sacA::km::P_{ydc1} lacZ-cm</i>	pDR244 -> ASEC283
ABS2005	<i>sacA::P_{ydc1s} luxABCDE-cm</i>	pAC834 -> 168
ASEC311	<i>ΔydcF::erm ; sacA::P_{ydc1s} luxABCDE-cm</i>	ASEC275 -> ABS2005
ASEC313	<i>ΔydcG::erm ; sacA::P_{ydc1s} luxABCDE-cm</i>	ASEC277 -> ABS2005
ASEC315	<i>ΔydcH::erm ; sacA::P_{ydc1s} luxABCDE-cm</i>	ASEC279 -> ABS2005
ASEC325	<i>ΔydcF* ; sacA::P_{ydc1s} luxABCDE-cm</i>	pDR244 -> ASEC311
ASEC327	<i>ΔydcG* ; sacA::P_{ydc1s} luxABCDE-cm</i>	pDR244 -> ASEC313
ASEC329	<i>ΔydcH* ; sacA::P_{ydc1s} luxABCDE-cm</i>	pDR244 -> ASEC315
ASEC56	<i>ΔydcH::spc ; sacA::P_{ydc1s} luxABCDE-cm</i>	ABS2005 -> ABS1381

* stands for markerless deletion