

**Table S2. Strains of *B. subtilis* from This Study, Related to Experimental Procedures**

<b>Strain</b>	<b>Relevant genotype/Description</b>	<b>Source/Construction</b>
MC1061	<i>E. coli</i> F' <i>lacI</i> Q <i>lacZ</i> M15 <i>Tn10</i> ( <i>tet</i> )	<i>E. coli</i> Genetic Stock Center
NCIB3610	prototroph	<i>Bacillus</i> Genetic Stock Center
NCIB3610-H	prototroph	Losick Laboratory
168	<i>trpC2</i>	<i>Bacillus</i> Genetic Stock Center
<i>yaaO</i>	168 <i>yaaO::erm</i>	(Sekowska et al. 1998)
<i>eps</i>	3610-H <i>eps(A-O)::tet</i>	(Branda et al. 2006)
NRS2450	3610 <i>eps(A-O)::tet</i>	SPP1 <i>eps</i> → NCIB3610
NRS3088	3610 <i>yaaO::erm</i>	SPP1 <i>yaaO</i> → NCIB3610
NRS3089	3610 <i>speA::spc</i>	(Burrell et al. 2010)
NRS3971	3610 <i>speA::spc eps(A-O)::tet</i>	SPP1 NRS3089 → NRS2450
NRS3991	168 + pNW1111=pMAD- $\Delta$ <i>speD</i>	pNW1111 → 168
NRS3992	168 + pNW1110=pMAD- $\Delta$ <i>gabT</i>	pNW1110 → 168
NRS3996	168 <i>amyE::P<sub>hy-spank</sub>gabT-lacI</i> ( <i>spc</i> )	pNW1114 → 168
NRS4005	3610 $\Delta$ <i>speD</i>	SPP1 NRS3991 → NCIB3610
NRS4007	3610 $\Delta$ <i>gabT</i>	SPP1 NRS3992 → NCIB3610
NRS4104	3610 $\Delta$ <i>gabT amyE::P<sub>hy-spank</sub>gabT-lacI</i> ( <i>spc</i> )	SPP1 NRS3996 → NRS4007

**Table S3. Plasmids Used in This Study, Related to Experimental Procedures**

<b>Plasmid</b>	<b>Description</b>	<b>Source</b>
pUC19	High copy number cloning vector	(Yanisch-Perron et al. 1985)
pMAD	In-frame markerless deletion plasmid	(Arnaud et al. 2004)
pDR111	<i>B. subtilis</i> integration vector for IPTG-induced expression	(Britton et al. 2002)
pNW1106	pUC19- $\Delta$ <i>speD</i>	This work
pNW1107	pUC19- $\Delta$ <i>gabT</i>	This work
pNW1110	pMAD- $\Delta$ <i>gabT</i>	This work
pNW1111	pMAD- $\Delta$ <i>speD</i>	This work
pNW1114	pDR111- <i>gabT</i> coding region	This work

**Table S4. Oligonucleotide Primers Used in This Study, Related to Experimental Procedures**

<b>Primer</b>	<b>Sequence 5'-3'</b>	<b>Use</b>
<b>NSW1500</b>	GCATGGATCCTTCCAACAACAACAGGAGCG	<i>speD</i> deletion cloning
<b>NSW1501</b>	CGCAATTTACTTTATAGTACGTCGACAGTCATGGACCCCCC TTAAC	<i>speD</i> deletion cloning
<b>NSW1502</b>	GTTAAGGGGGTCCATGACTGTGACGTACTATAAAGTAA ATTGCG	<i>speD</i> deletion cloning
<b>NSW1503</b>	GCATAAGCTTAGATCTCGACTTCGTCAATCTTAGCC	<i>speD</i> deletion cloning
<b>NSW1508</b>	GCATCCCGGGCAGTCAACAGCTGCATGAGC	<i>gabT</i> deletion cloning
<b>NSW1509</b>	CTTTCCAATGATTAAGCTCGTCTAGAACTCATGTGAATATC CCCCT	<i>gabT</i> deletion cloning
<b>NSW1510</b>	AGGGGGATATTCACATGAGTTCTAGACGAGCTTAATCATTG GAAAG	<i>gabT</i> deletion cloning
<b>NSW1511</b>	GCATAAGCTTAGATCTTGCTTGTGAACACATTTCCG	<i>gabT</i> deletion cloning
<b>NSW1524</b>	GCATAAGCTTATACCGACAGGGGGATATTCACATGAGTCAA AC	<i>gabT</i> complementation
<b>NSW1525</b>	GCATGCATGCTTAAGCTCGCAGGCCCGCCTCCAAGATGC	<i>gabT</i> complementation