

D	,				
ט		Zone of inhibition			
	IptB allele	Bacitracin	Novobiocin	Erythromycin	Rifampin
	IptB+	<6	<6	(12)	10
	IptB-EHis <sub>8</sub>	13	15 (23)	15 (19)	14
	IptB(G33C)-EHis <sub>8</sub>	<6	<6	(12)	10
	IptB(L35Q)-EHis <sub>8</sub>	<6	<6	(11)	11
	IptB(T43S)-EHis <sub>8</sub>	<6	<6	(10)	10
	IptB(T45A)-EHis <sub>8</sub>	<6	<6	(11)	10
	IptB(R144H)-EHis <sub>8</sub>	10	<6	(14)	13
	IptB(I148T)-EHis <sub>8</sub>	<6	<6	(11)	10

**Figure S4: Structure-function analysis of** *IptB1* **suppressors.** OM-permeability assay (**A**) and LptB immunoblots (**B**) of chromosomally-encoded *IptB1* and suppressors performed as described in Fig. S1 and methods. *IptB*<sup>+</sup> refers to strain NR754. (**C**) LptB immunoblot of samples from haploid strains producing LptB variants from pET23/42LptB derivatives, as described in Fig. S1. (**D**) OM-permeability assay of haploid cells carrying pET23/42LptB-EHis<sub>8</sub> derivatives with the substitutions we found as suppressors of *IptB1*. Assays were performed as described in Fig. S1. Data are representative of at least three independent experiments.