



Figure S4: Structure-function analysis of *lptB1* suppressors. OM-permeability assay (**A**) and LptB immunoblots (**B**) of chromosomally-encoded *lptB1* and suppressors performed as described in Fig. S1 and methods. *lptB*⁺ 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-EHis₈ derivatives with the substitutions we found as suppressors of *lptB1*. Assays were performed as described in Fig. S1. Data are representative of at least three independent experiments.