

Supporting information to

Non-competitive binding of PpiD and YidC to the SecYEG translocon expands the global view on the SecYEG interactome in *E. coli*

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Table S1 (separate data file): Complete list of putative SecYEG interacting proteins identified by label free proteomics.

Table S2: List of oligonucleotides used for PCR reactions

Figure S1: Significant interactors of the SecYEG in *E. coli*.

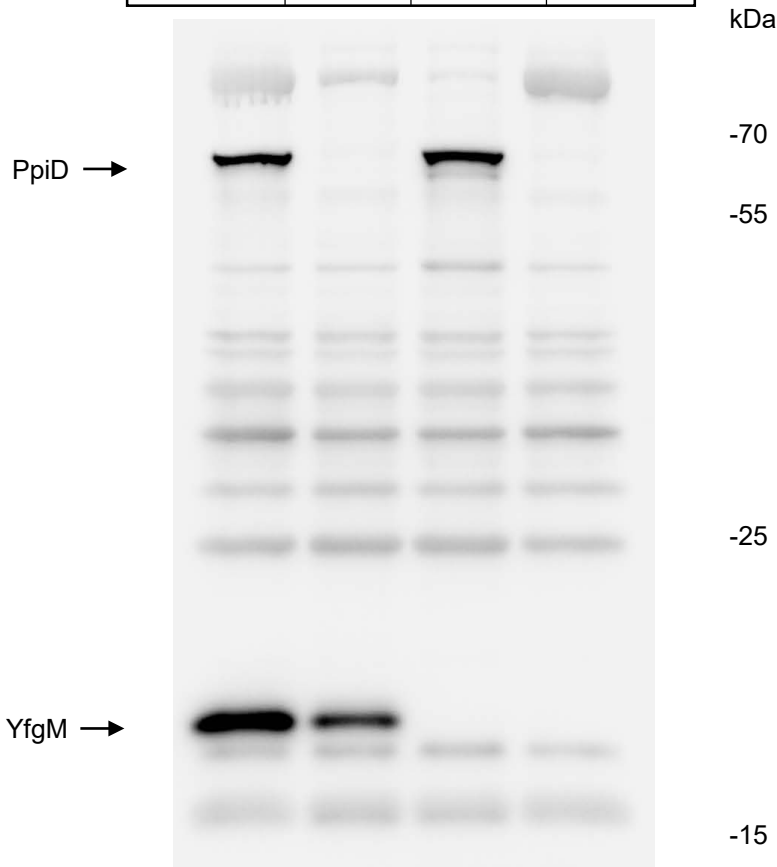
Figure S2: PpiD antibodies recognize both PpiD and YfgM

Table S1 (separate Data file) : Complete List of putative SecYEG interacting proteins identified by label-free proteomics with and without DSS-cross-linking. When indicated, YidC was co-expressed with SecY_{His}EG.

Table S2: List of oligonucleotides used for PCR reactions.

Primer name	5' – oligonucleotides – 3'	Purpose of use
SecY_plug_removal_for	GCTCTCAGCCGTGCTTCTATCTTTGCTC	Removal of SecY plug domain
SecY_plug_removal_rev	GATGGTGCCTCGCTGTTGCTCAAGC	
YidC_cutpBadlong_for	CGCGATCTAGAGGGCTAGCAGGAGGAATTCAC	Cloning of pTrc99a-SecY _{His} EG-YidC
YidC_cutpBadlong_rev	CGGTCGTCGACTCAGGATTTTTTCTTCTCGCG	
YidC_HiR10_for	GGCAGCGGAGATTCGC	Cloning of pTrc99a-SecY _{His} EG-YidC
YidC_HiR10_rev	CATCGTTAGTGTTCTCCATGGTG	
SecY_I61_for	ACCATCTAGGAGATGTTAAC	Construction of SeY plug (61-70) - pBpA mutants
SecY_I61_rev	GCCTCGCTGTTGCTC	
SecY_E62_for	CGAGGCACCATCATTTAGATGTTTAAACATGTTTC	
SecY_E62_rev	GAACATGTAAACATCTAAATGATGGTGCCTCG	
SecY_M63_for	GAGGCACCATCATTGAGTAGTTTAAACATGTTCTCTGGG	
SecY_M63_rev	CCAGAGAACATGTAAACTACTCAATGATGGTGCCTC	
SecY_F64_for	CACCATCATTGAGATGTAGAACATGTTCTCTGGTG	
SecY_F64_rev	CACCAGAGAACATGTTCTACATCTCAATGATGGTG	
SecY_N65_for	CATCATTGAGATGTTTTAGATGTTCTCTGGTGGTG	
SecY_N65_rev	CACCACCAGAGAACATCTAAAACATCTCAATGATG	
SecY_M66_for	CATTGAGATGTTAACTAGTTCTCTGGTGGTGCTC	
SecY_M66_rev	GAGCACCACCAGAGAACTAGTTAAACATCTCAATG	
SecY_F67_for	AACATGTAGTCTGGTGGTGCT	
SecY_F67_rev	AAACATCTCAATGATGGTGCC	
SecY_S68_for	GATGTTTAAACATGTTCTAGGGTGGTGCTCTCAGCC	
SecY_S68_rev	GGCTGAGAGCACCACCCTAGAACATGTTAAACATC	
SecY_G69_for	GTTTAAACATGTTCTCTTAGGGTGGTGCTCTCAGCCGTG	
SecY_G69_rev	CACGGCTGAGAGCACCCTAAGAGAACATGTTAAAC	
SecY_G70_for	CATGTTCTCTGGTTAGGCTCTCAGCCGTG	
SecY_G70_rev	CACGGCTGAGAGCCTAACCAGAGAACATG	

MC4100 (wt)	$\Delta ppiD$	$\Delta yfgM$	$\Delta ppiD/yfgM$
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Supporting Figure 2: PpiD antibodies recognize both PpiD and YfgM. Cells of the indicated *E. coli* strains were TCA precipitated and after SDS-PAGE/Western-blotting decorated with α -PpiD antibodies. Indicated are PpiD and YfgM and the corresponding gel areas are identical to those displayed in Fig. 5F