

Table S2. Conserved proteins from different sub-sets of bacteria relative to *S. typhimurium*.

Gene Associated Description	Symbol
<i>Salmonella</i> species and <i>Yersinia</i> species	
<i>S. typhimurium</i> : putative outer membrane lipoprotein	YjeL
<i>S. typhimurium</i> : putative cytoplasmic protein	YihD
<i>S. typhimurium</i> : putative hydrolase of the HAD superfamily	YigL
<i>S. typhimurium</i> : putative inner membrane protein	YicH
<i>S. typhimurium</i> : putative outer membrane lipoprotein	YiaF
<i>S. typhimurium</i> : putative periplasmic protein	YhcB
<i>S. typhimurium</i> : putative outer membrane protein	YgiW
<i>S. typhimurium</i> : putative tRNA/rRNA methyltransferase	YfiF
<i>S. typhimurium</i> : putative formate acetyltransferase	YfiD
<i>S. typhimurium</i> : putative transcriptional regulator of two-component regulator protein	YfhG
<i>S. typhimurium</i> : putative cytoplasmic protein	YeeX
<i>S. typhimurium</i> : putative periplasmic protein	YdgH
<i>S. typhimurium</i> : putative cytoplasmic protein	YciN
<i>S. typhimurium</i> : putative lipoprotein	YbjP
<i>S. typhimurium</i> : putative cytoplasmic protein	YbiU
<i>S. typhimurium</i> : putative hydrolase of the alpha/beta superfamily	YafA
<i>S. typhimurium</i> : putative cytoplasmic protein	YaeH
<i>S. typhimurium</i> : modulator of enterobacterial common antigen	WzzE
<i>S. typhimurium</i> : CDP-diacylglycerol phosphotidylhydrolase	UshB
<i>S. typhimurium</i> : vancomycin sensitivity	SanA
<i>S. typhimurium</i> : putative fimbriae usher	SafC
<i>S. typhimurium</i> : putative fimbriae assembly chaparone	SafB
<i>S. typhimurium</i> : RNase II, mRNA degradation	Rnb
<i>S. typhimurium</i> : aspartate carbamoyltransferase, regulatory subunit	PyrL
<i>S. typhimurium</i> : outer membrane protease, receptor for phage OX2	OmpX
<i>S. typhimurium</i> : ABC superfamily	MglB
<i>S. typhimurium</i> : Sugar Specific PTS family, mannose-specific enzyme IIC	ManY
<i>S. typhimurium</i> : Sugar Specific PTS family, mannose-specific enzyme IIAB	ManX
<i>S. typhimurium</i> : periplasmic protein of mal regulon	MalM
<i>S. typhimurium</i> : GMP reductase	GuaC
<i>S. typhimurium</i> : phosphoenolpyruvate-dependent sugar phosphotransferase system, EIIA 2	FruF
<i>S. typhimurium</i> : membrane protein	DamX
<i>S. typhimurium</i> : 6-phospho-beta-glucosidase A	BglA
<i>S. typhimurium</i> : asparagine synthetase A	AsnA
<i>S. typhimurium</i> : ABC superfamily	ArtP
<i>S. typhimurium</i> : putative secreted protein	
<i>S. typhimurium</i> : putative periplasmic transport protein	
<i>S. typhimurium</i> : putative outer membrane lipoprotein	
<i>S. typhimurium</i> : putative inner membrane protein	
<i>S. typhimurium</i> : putative inner membrane lipoprotein	
<i>Salmonella</i> species, <i>Yersinia</i> species, and <i>Shewanella oneidensis</i> MR1	
<i>S. oneidensis</i> MR-1: activator of ProP osmoprotectant transporter	ProQ
<i>S. oneidensis</i> MR-1: aldehyde-alcohol dehydrogenase	AdhE
<i>S. oneidensis</i> MR-1: bifunctional aspartokinase II/homoserine dehydrogenase, methionine-sensitive	MetL

S.oneidensis MR-1: cell division protein	ZipA
S.oneidensis MR-1: DNA-binding protein, H-NS family	
S.oneidensis MR-1: DUF1439 family lipoprotein complement	
S.oneidensis MR-1: expressed lipoprotein	
S.oneidensis MR-1: expressed lipoprotein	NlpB
S.oneidensis MR-1: expressed protein	
S.oneidensis MR-1: expressed protein complement	
S.oneidensis MR-1: expressed protein of unknown function DUF1260	
S.oneidensis MR-1: expressed protein of unknown function DUF1342	
S.oneidensis MR-1: expressed protein of unknown function DUF1414	
S.oneidensis MR-1: expressed protein of unknown function DUF1451	
S.oneidensis MR-1: FKBP-type peptidyl-prolyl ci-trans isomerase	FkpA
S.oneidensis MR-1: formate acetyltransferase	PlfB
S.oneidensis MR-1: inner membrane sulphatase-like protein complement	
S.oneidensis MR-1: outer membrane MipA family protein	MipA
S.oneidensis MR-1: outer membrane YfaZ beta barrel family protein	YfaZ
S.oneidensis MR-1: PTS system glucose-specific IIBC component	PtsG
S.oneidensis MR-1: pyruvate formate-lyase 1 activating enzyme	PflA
S.oneidensis MR-1: rare lipoprotein B complement	
S.oneidensis MR-1: ribosomal protein L25	RplY
S.oneidensis MR-1: small conductance mechanosensitive ion channel	MscS
S.oneidensis MR-1: subfamily M16A unassigned peptidases	
S.oneidensis MR-1: transcriptional regulator of fatty acid metabolism	FadR

* The name of the organism at the beginning of each description indicates the annotation used to describe each protein.