

**Supplementary Table 3. HMM profiles used to identify the conserved regions of proteins in the Tol/Ton operons.**

PFAM accession	Name	Description
PF03544.9	TonB C	C-terminal region of TonB. Interacts with TonB box.
PF01618.11	MotA ExbB	MotA/TolQ/ExbB proton channel family
PF02472.11	ExbD	Biopolymer transport protein ExbD/TolR/MotB
PF07676.7	PD40	WD40-like Beta Propeller Repeat associated with TolB