

**Table S4. Gene families for group A and B colicins\* and phage lysis genes.**

<i>Grouping</i>	<i>Name</i>	<i>ID</i>
Group A colicin	Cluster: Colicin-K	UniRef50_Q47502
	Cluster: Colicin-N	UniRef50_P08083
	Cluster: Colicin-E1	UniRef50_P02978
	Cluster: Colicin-E9	UniRef50_P09883
Group B colicin	Cluster: Colicin-D	UniRef50_P17998
	Cluster: Colicin-Ia/Ib	UniRef50_P06716
	Cluster: Colicin-M	UniRef50_P05820
	Cluster: Colicin-B	UniRef50_P05819
lysis genes	endolysin + lysome; Phage_lysozyme	PF00959
	canonical holin; Bacteriophage P21 holin S	PF04971
	canonical endolysin; Family: Muraidase; N-acetylmuramidase	PF11860
	i-spanin; Family: Phage_lysis; Bacteriophage Rz lysis protein	PF03245
	o-spanin; Family: Rz1; Lipoprotein Rz1 precursor	PF06085

1 \* We further screened for Cluster “Colicin-E5” (UniRef50\_UPI00022A9A6A) and Cluster  
2 “Colicin FY” (UniRef50\_H8YUQ0) but did not find any match exceeding the thresholds.