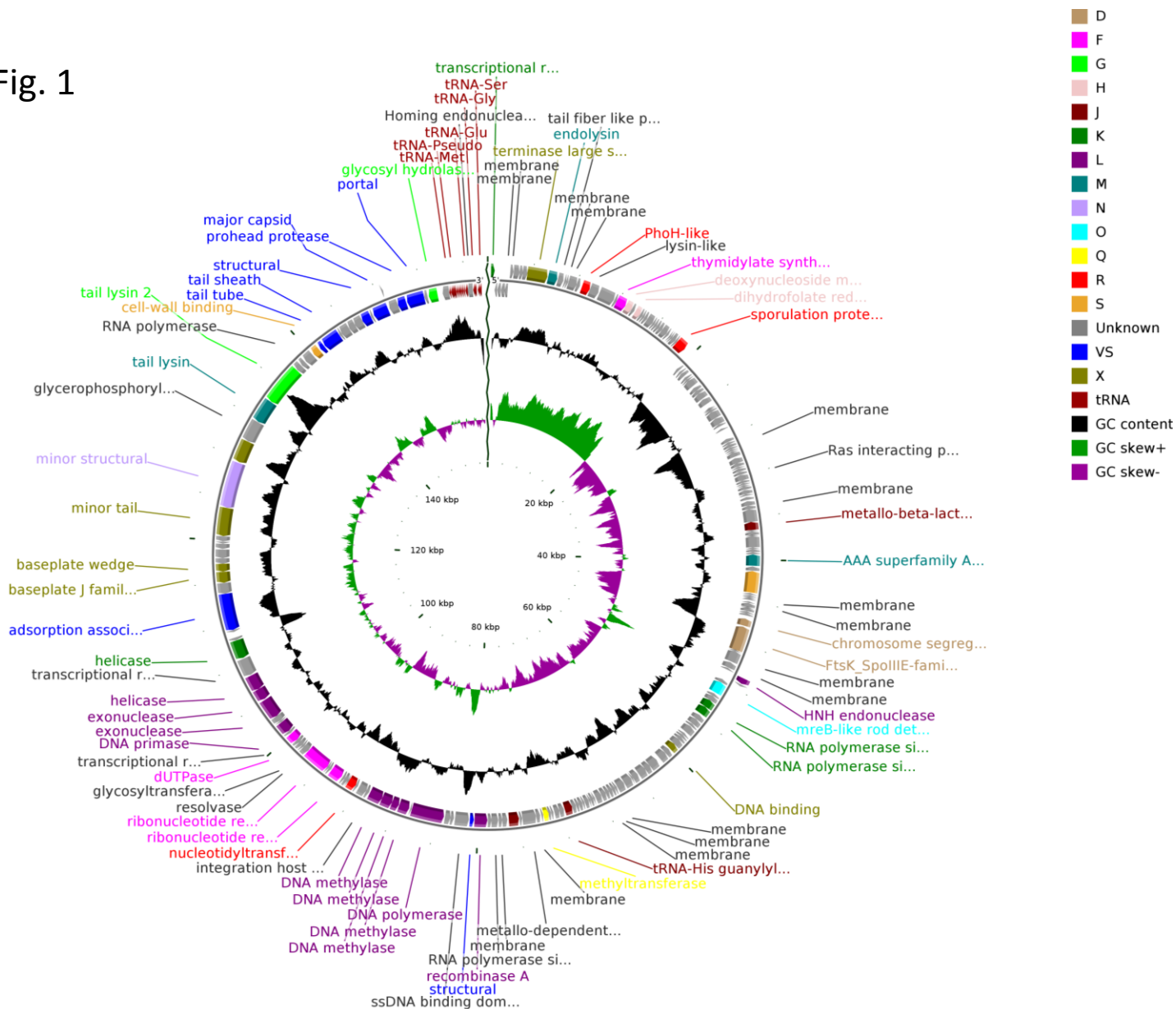
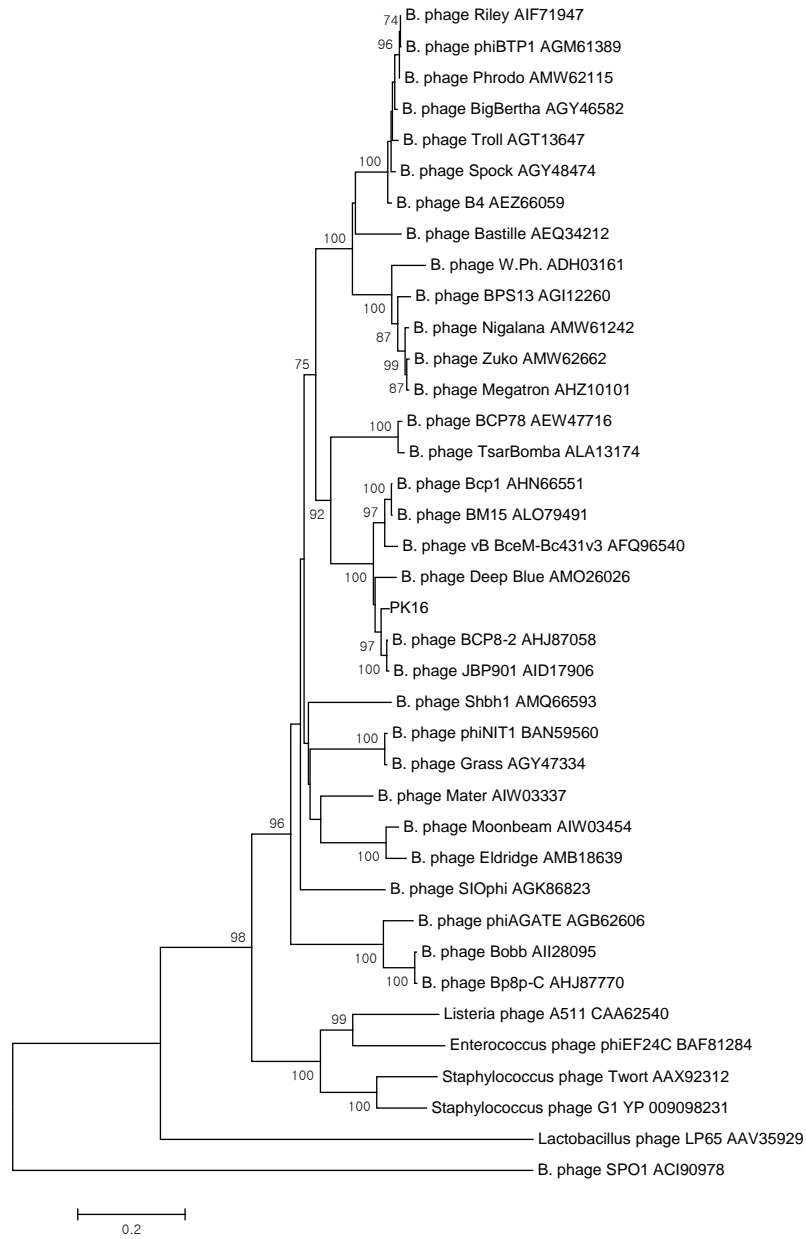


Supplementary Fig. 1



# Supplementary Fig. 2



Supplementary Table 1. Distributions of proteins with the best hit to the corresponding proteins encoded by phage PK16

Phage name	No. of best hits with PK16
Bacillus phage JBP901	105
Bacillus phage BCP8-2	34
Bacillus phage BM15	32
Bacillus phage Bcp1	22
Bacillus phage Blue	20
Bacillus phage vB_BceM-Bc431v3	14
Bacillus phage B4	1
<i>Brassica oleracea</i> var. <i>oleracea</i>	1
<i>Enterococcus faecalis</i>	1
<i>Olsenella</i> sp. oral taxon 809 str. F0356	1
<i>Paenibacillus senegalensis</i>	1
Total	232

BLASTP analysis was done with proteins from NCBI nr database. The number of proteins with hit scores >33 are indicated.