

**Supplementary Table S3** Genomic features of *P. peoriae* ZF390 and other *Paenibacillus* strains.

Features	<i>P. peoriae</i> ZF390	<i>P. peoriae</i> HS311	<i>P. polymyxa</i> SQR-21	<i>P. polymyxa</i> HY96-2	<i>P. kribbensis</i> PS04
GeneBank sequence	CP061172.1	CP011512.1	CP006872.1	CP025957.1	CP041731.1
Size (Mb)	6.38	6.22	5.83	5.75	5.74
GC content (%)	44.99	45.47	45.60	45.60	46.80
Replicons	One chromosome Three plasmids	One chromosome One plasmid	One chromosome	One chromosome	One chromosome
Total genes	5,890	5,537	5,071	4,943	5,094
Predicted no. of CDS	5,574	5,265	4,801	4,648	4,798
Ribosomal RNA	40	39	39	42	30
Transfer RNA	101	100	111	110	92
Other RNA	4	4	4	4	4
Pseudo genes	171	129	116	139	170