

Supplementary Table S3. % Identity matrix of the *gyrB* gene sequences between isolated and reference strains.

Divengence	<i>Limosilactobacillus reuteri</i> PNG008	<i>Lactobacillus delbrueckii</i> subsp. <i>jakobsenii</i>	<i>Lactobacillus delbrueckii</i> subsp. <i>delbrueckii</i>	<i>Lactobacillus iners</i> LEAF 2052A-d	ETC1 75	<i>Lactobacillus taiwanensis</i> CLG01	<i>Lactobacillus gasserii</i> BIO6369	<i>Lactobacillus johnsonii</i> GHZ10a	ETC1 50	ETC1 87	<i>Lactobacillus jensenii</i> ATCC 25258	<i>Lactobacillus acidophilus</i> La-14	<i>Lactobacillus amylovorus</i> GRL1118	<i>Lactobacillus helveticus</i> DSM 20075	<i>Lactobacillus crispatus</i> DC21.1
<i>Limosilactobacillus reuteri</i> PNG008	100.00	65.73	65.83	68.02	68.27	69.12	68.54	68.75	69.86	69.70	69.80	67.97	68.18	67.66	67.81
<i>Lactobacillus delbrueckii</i> subsp. <i>jakobsenii</i>	65.73	100.00	99.75	67.69	67.39	72.43	72.27	72.27	71.25	70.86	74.44	72.32	74.77	73.70	74.11
<i>Lactobacillus delbrueckii</i> subsp. <i>delbrueckii</i>	65.83	99.75	100.00	67.74	67.63	72.43	72.38	72.38	71.50	71.11	74.59	72.32	74.82	73.75	74.16
<i>Lactobacillus iners</i> LEAF 2052A-d	68.02	67.69	67.74	100.00	74.10	75.59	75.03	75.23	75.43	75.06	75.66	75.38	75.23	75.64	75.08
ETC175	68.27	67.39	67.63	74.10	100.00	87.23	86.05	85.82	88.05	87.56	73.72	73.10	73.57	75.48	74.29
<i>Lactobacillus taiwanensis</i> CLG01	69.12	72.43	72.43	75.59	87.23	100.00	88.67	90.19	91.95	91.97	77.35	81.58	81.12	81.27	79.90
<i>Lactobacillus gasserii</i> BIO6369	68.54	72.27	72.38	75.03	86.05	88.67	100.00	90.50	92.68	92.21	77.91	81.48	80.41	81.98	80.20
<i>Lactobacillus johnsonii</i> GHZ10a	68.75	72.27	72.38	75.23	85.82	90.19	90.50	100.00	98.05	98.05	77.10	81.98	81.53	82.09	81.07

ETC150	69.86	71.25	71.50	75.43	88.05	91.95	92.68	98.05	100.0 0	98.53	76.31	77.07	75.85	78.54	77.32
ETC187	69.70	70.86	71.11	75.06	87.56	91.97	92.21	98.05	98.53 0	100.0 0	76.69	76.96	75.74	77.94	76.72
<i>Lactobacillus jensenii</i> ATCC 25258	69.80	74.44	74.59	75.66	73.72	77.35	77.91	77.10	76.31	76.69	100.00	77.71	78.43	77.66	79.40
<i>Lactobacillus acidophilus</i> La-14	67.97	72.32	72.32	75.38	73.10	81.58	81.48	81.98	77.07	76.96	77.71	100.00	86.87	86.51	84.73
<i>Lactobacillus amylovorus</i> GRL1118	68.18	74.77	74.82	75.23	73.57	81.12	80.41	81.53	75.85	75.74	78.43	86.87	100.00	86.06	86.46
<i>Lactobacillus helveticus</i> DSM 20075	67.66	73.70	73.75	75.64	75.48	81.27	81.98	82.09	78.54	77.94	77.66	86.51	86.06	100.00	86.51
<i>Lactobacillus crispatus</i> DC21.1	67.81	74.11	74.16	75.08	74.29	79.90	80.20	81.07	77.32	76.72	79.40	84.73	86.46	86.51	100.00