

Supplementary materials for the article:
 Zhu H. et al. Whole Genome Sequence Analysis of *Lactiplantibacillus plantarum*
 Bacteriophage P2.
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Table SI
 Host range of *L. plantarum* P2.

Strain	Isolation location	Isolation source	Sensitivity
<i>L. plantarum</i> IMAU70095	Linhe, Bayannur City, Inner Mongolia	Sour porridge	-
<i>L. plantarum</i> IMAU80177	Ganxi Town, Pujiang County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80105	Qionglai City, Sichuan Province	Pickle	-
<i>L. Plantarum</i> IMAU80182	Qionglai City, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80173	Ganxi Town, Pujiang County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80174	Ganxi Town, Pujiang County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80179	Ganxi Town, Pujiang County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80181	Qionglai City, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80180	Ganxi Town, Pujiang County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80170	Huaiyuan Town, Chongzhou City, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU40122	Xihai Town, Haibei Prefecture, Qinghai Province	Kurut	-
<i>L. plantarum</i> IMAU10395	Hulunbuir League, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10418	EBRI Baolige Sumu Sarula Tuyagacha, Xinbalhuzuo Banner, Hulunbuir League, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU60042	Bazha Township, Bailang County, Rika Prefecture, Tibet	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10273	Xianghuang Banner, Xilin Gol League, Inner Mongolia	Goat feces	-

Strain	Isolation location	Isolation source	Sensitivity
<i>L. plantarum</i> IMAU30162	Xinjiang area	Koumiss	-
<i>L. plantarum</i> IMAU80184	Qionglai City, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80325	Hongyuan County, Aba Prefecture, Sichuan Province	Fresh yak's milk	-
<i>L. plantarum</i> IMAU80441	Hongyuan County, Aba Prefecture, Sichuan Province	Fresh yak's milk	-
<i>L. plantarum</i> IMAU10386	EBRI Baolige Sumu Sarula Tuyagacha, Xinbalhuzuo Banner, Hulunbuir League, InnerMongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10942	Daban Town, Balinyou Banner, Inner Mongolia	Fermented cow's milk	+
<i>L. plantarum</i> IMAU11029	Daban Town, Balinyou Banner, Inner Mongolia	Fermented cow's milk	+
<i>L. plantarum</i> IMAU10969	Daban Town, Balinyou Banner, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10578	Bayan Kuren Town, Chenqi, Hulunbuir League, Inner Mongolia	Koumiss	-
<i>L. plantarum</i> IMAU10570	Hulunbuir League, Inner Mongolia	Koumiss	-
<i>L. plantarum</i> IMAU10209	Xianghuang Banner, Xilin Gol League, Inner Mongolia	Sheep feces	-
<i>L. plantarum</i> IMAU10191	Xianghuang Banner, Xilin Gol League, Inner Mongolia	Horse feces	-
<i>L. plantarum</i> IMAU10277	Xianghuang Banner, Xilin Gol League, Inner Mongolia	Cow feces	-
<i>L. plantarum</i> IMAU10608	Hailar City, Hulunbuir League, Inner Mongolia	Koumiss	-
<i>L. plantarum</i> IMAU20113	Sayingshan dasumu, East Gobi Province, Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU20115	East Gobi Province, Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10374	EBRI Baolige Sumu Sarula Tuyagacha, Xinbalhuzuo Banner, Hulunbuir League, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10324	East Ujumuqin Banner, Xilin Gol League, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU80054	Dayi County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80106	Qionglai City, Sichuan Province	Pickle	-

Strain	Isolation location	Isolation source	Sensitivity
<i>L. plantarum</i> IMAU80127	Qionglai City, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80087	Ganxi Town, Pujiang County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU10586	Bayan Kuren Town, Chenqi, Hulunbuir League, Inner Mongolia	Koumiss	-
<i>L. plantarum</i> IMAU80169	Huaiyuan Town, Chongzhou City, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80053	Dayi County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80131	Xilai Town, Pujiang County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80052	Dayi County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU10704	Aluhorqin Banner, Hulunbuir League, Inner Mongolia	Fresh cow's milk	-
<i>L. plantarum</i> IMAU10372	EBRI Baolige Sumu Sarula Tuyagacha, Xinbalhuzuo Banner, Hulunbuir League, Inner Mongolia	Fermented cow's milk	+
<i>L. plantarum</i> IMAU10405	EBRI Baolige Sumu Sarula Tuyagacha, Xinbalhuzuo Banner, Hulunbuir League, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10373	EBRI Baolige Sumu Sarula Tuyagacha, Xinbalhuzuo Banner, Hulunbuir League, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10393	EBRI Baolige Sumu Sarula Tuyagacha, Xinbalhuzuo Banner, Hulunbuir League, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10378	EBRI Baolige Sumu Sarula Tuyagacha, Xinbalhuzuo Banner, Hulunbuir League, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10953	Daban Town, Balinyou Banner, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10722	Tianshan Town, Aluhorqin Banner, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU11020	Daban Town, Balinyou Banner, Inner Mongolia	Fermented cow's milk	-
<i>L. plantarum</i> IMAU10580	Bayan Kuren Town, Chenqi, Hulunbuir League, Inner Mongolia	Koumiss	-

Strain	Isolation location	Isolation source	Sensitivity
<i>L. plantarum</i> IMAU80171	Huaiyuan Town, Chongzhou City, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80065	Dayi County, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU80102	Qionglai City, Sichuan Province	Pickle	-
<i>L. plantarum</i> IMAU10140	Ulat Middle Banner, Bayannur City, Inner Mongolia	Fermented cow's milk	+
<i>L. plantarum</i> IMAU10155	Urad Rear Banner, Bayannur City, Inner Mongolia	Fermented goat's milk	-

+ – sensitive, - – insensitive

Table SII
GeneBank number of *Lactobacillus* phages.

Number	Phage names	Host	GeneBank No.
1	<i>Lactobacillus</i> phage ATCC 8014-B1	<i>Lactiplantibacillus plantarum</i>	NC_019916.1
2	<i>Lactobacillus</i> phage ATCC 8014-B2	<i>Lactiplantibacillus plantarum</i>	NC_047739.1
3	<i>Lactobacillus</i> phage Bacchae	<i>Lactiplantibacillus plantarum</i>	NC_047924.1
4	<i>Lactobacillus</i> phage Bassarid	<i>Lactiplantibacillus plantarum</i>	MG765275.2
5	<i>Lactobacillus</i> phage Bromius	<i>Lactiplantibacillus plantarum</i>	NC_048085.1
6	<i>Lactobacillus</i> phage Dionysus	<i>Lactiplantibacillus plantarum</i>	MH809530.1
7	<i>Lactobacillus</i> phage Iacchus	<i>Lactiplantibacillus plantarum</i>	NC_048084.1
8	<i>Lactobacillus</i> phage Ldl1	<i>Lactiplantibacillus plantarum</i>	NC_026609.1
9	<i>Lactobacillus</i> phage Lenus	<i>Lactiplantibacillus plantarum</i>	NC_047897.1
10	<i>Lactobacillus</i> phage LP65	<i>Lactiplantibacillus plantarum</i>	NC_006565.1
11	<i>Lactobacillus</i> phage Lpa804	<i>Lactiplantibacillus plantarum</i>	NC_048134.1
12	<i>Lactobacillus</i> phage LpeD	<i>Lactiplantibacillus plantarum</i>	NC_048677.1
13	<i>Lactobacillus</i> phage Maenad	<i>Lactiplantibacillus plantarum</i>	NC_047931.1
14	<i>Lactobacillus</i> phage P2	<i>Lactiplantibacillus plantarum</i>	KY381600.1
15	<i>Lactobacillus</i> phage phiJL-1	<i>Lactiplantibacillus plantarum</i>	NC_006936.1
16	<i>Lactobacillus</i> phage PM411	<i>Lactiplantibacillus plantarum</i>	MG788324.1
17	<i>Lactobacillus</i> phage Sabazios	<i>Lactiplantibacillus plantarum</i>	MH809528.1
18	<i>Lactobacillus</i> phage Satyr	<i>Lactiplantibacillus plantarum</i>	NC_047918.1
19	<i>Lactobacillus</i> phage Semele	<i>Lactiplantibacillus plantarum</i>	NC_047926.1
20	<i>Lactobacillus</i> phage Silenus	<i>Lactiplantibacillus plantarum</i>	MG765278.2