

Table S1. List of reference strains used in this study.

Strain	Reference Number	Application
<i>Lactobacillus acidophilus</i>	DSM 9126; DSM 20079	DGGE marker, positive control for PCR identification
<i>Lactobacillus amylovorus</i>	DSM 20531	DGGE marker, positive control for PCR identification
<i>Levilactobacillus brevis</i>	DSM 1267; DSM 20054	DGGE marker, positive control for PCR identification
<i>Levilactobacillus brevis</i>	ATCC 367	DGGE marker, positive control for PCR identification; positive control for <i>cat</i> -TC gene
<i>Lacticaseibacillus casei</i>	ATCC 334; DSM 20011	DGGE marker, positive control for PCR identification
<i>Lactobacillus delbrueckii</i> ssp. <i>bulgaricus</i>	DSM 20080; DSM 20081	DGGE marker, positive control for PCR identification
<i>Lactobacillus delbrueckii</i> ssp. <i>delbrueckii</i>	DSM 20074	DGGE marker, positive control for PCR identification
<i>Lactobacillus delbrueckii</i> ssp. <i>lactis</i>	DSM 20072	DGGE marker, positive control for PCR identification
<i>Limosilactobacillus fermentum</i>	DSM 20052; DSM 20391	DGGE marker, positive control for PCR identification
<i>Lactobacillus gasseri</i>	ATCC 19992	DGGE marker, positive control for PCR identification
<i>Lactobacillus helveticus</i>	DSM 20075	DGGE marker, positive control for PCR identification
<i>Lentilactobacillus hilgardii</i>	DSM 20176	DGGE marker, positive control for PCR identification
<i>Lacticaseibacillus paracasei</i>	DSM 2649; DSM 5622	DGGE marker, positive control for PCR identification
<i>Lactiplantibacillus paraplantarum</i>	DSM 10667	DGGE marker, positive control for PCR identification
<i>Lactiplantibacillus pentosus</i>	DSM 20314	DGGE marker, positive control for PCR identification
<i>Lactiplantibacillus plantarum</i>	ATCC 8014; DSM 20174	DGGE marker, positive control for PCR identification
<i>Lacticaseibacillus rhamnosus</i>	ATCC 7469; ATCC 9595	DGGE marker, positive control for PCR identification
<i>Limosilactobacillus reuteri</i>	ATCC 55730	DGGE marker; positive control for <i>tetW</i>
<i>Lactococcus plantarum</i>	DSM 20686; DSM 20687	DGGE marker, positive control for PCR identification
<i>Lactococcus lactis</i> ssp. <i>cremoris</i>	DSM 4367; DSM 20069	DGGE marker, positive control for PCR identification
<i>Lactococcus lactis</i> ssp. <i>lactis</i>	DSM 4366; DSM 20481	DGGE marker, positive control for PCR identification
<i>Lactococcus raffinolactis</i>	DSM 20443	DGGE marker
<i>Leuconostoc lactis</i>	DSM 8581	DGGE marker, positive control for PCR identification

<i>Leuconostoc mesenteroides</i> ssp. <i>cremoris</i>	DSM 20200; DSM 20346	DGGE marker, positive control for PCR identification
<i>Leuconostoc mesenteroides</i> ssp. <i>dextranicum</i>	DSM 20484	DGGE marker
<i>Leuconostoc mesenteroides</i> ssp. <i>mesenteroides</i>	DSM 20240; DSM 20343	DGGE marker, positive control for PCR identification
<i>Leuconostoc pseudomesenteroides</i>	DSM 5624; DSM 20193	DGGE marker
<i>Streptococcus thermophilus</i>	ATCC 19258	DGGE marker
<i>Propionibacterium acidipropionici</i>	DSM 4900	DGGE marker
<i>Propionibacterium freudenreichii</i> ssp. <i>freudenreichii</i>	DSM 20271	DGGE marker
<i>Propionibacterium freudenreichii</i> ssp. <i>shermanii</i>	DSM 4902	DGGE marker
<i>Propionibacterium jensenii</i>	DSM 20535	DGGE marker
<i>Propionibacterium thoenii</i>	DSM 20276	DGGE marker
<i>Citrobacter freundii</i>	ATCC 8090	DGGE marker
<i>Enterobacter aerogenes</i>	ATCC 13048	DGGE marker
<i>Enterobacter cloacae</i>	ATCC 13047	DGGE marker
<i>Escherichia coli</i>	ATCC 8739; ATCC 11775	DGGE marker
<i>Escherichia coli</i>	ATCC 25922	DGGE marker, positive control for phenotypic antibiotic resistance
<i>Enterococcus casseliflavus</i>	ATCC 25788	DGGE marker
<i>Enterococcus durans</i>	ATCC 6056	DGGE marker
<i>Enterococcus faecalis</i>	ATCC 29212	DGGE marker; positive control for PCR identification; positive control for phenotypic antibiotic resistance
<i>Enterococcus faecalis</i>	ATCC 51299	DGGE marker, positive control for PCR identification
<i>Enterococcus faecalis</i>	16632EK	Positive control for <i>tetW</i> gene
<i>Enterococcus faecium</i>	ATCC 775	DGGE marker, positive control for PCR identification
<i>Enterococcus faecium</i>	ATCC 7171	DGGE marker, positive control for PCR identification
<i>Enterococcus faecium</i>	15555EK	Positive control for <i>tetL</i> , <i>tetM</i> , <i>ermB</i> genes
<i>Enterococcus gallinarum</i>	ATCC 49573	DGGE marker
<i>Enterococcus hire</i>	ATCC 8043	DGGE marker
<i>Listeria monocytogenes</i>	ATCC BAA-751	DGGE marker
<i>Pseudomonas aeruginosa</i>	ATCC 9027	DGGE marker
<i>Staphylococcus aureus</i>	ATCC 43300	DGGE marker
<i>Staphylococcus aureus</i>	ATCC 25923	DGGE marker; positive control for phenotypic antibiotic resistance
<i>Staphylococcus epidermidis</i>	ATCC 49461	DGGE marker
<i>Staphylococcus saprophyticus</i>	ATCC 49453	DGGE marker
<i>Staphylococcus xylosus</i>	ATCC 29971	DGGE marker

<i>Bacillus cereus</i>	ATCC 14579	DGGE marker
<i>Bacillus coagulans</i>	ATCC 7050	DGGE marker
<i>Bacillus subtilis</i>	ATCC 6051	DGGE marker
<i>Clostridium butyricum</i>	ATCC 10702	DGGE marker
<i>Clostridium perfringens</i>	ATCC 13124	DGGE marker
<i>Clostridium sporogenes</i>	ATCC 3584	DGGE marker
<i>Clostridium tyrobutyricum</i>	ATCC 2637	DGGE marker