

Table S2. Genus- and species-specific primers used in the study.

Target	Name	Sequence (5'– 3')	Ta (°C)	Amplicon (bp)	Ref.
<i>Lactobacillus</i>	LbLMA1-rev R16-1	ctcaaaactaaacaaagtttc cttgtagacaccgcccgtca	55	250	[15]
<i>L. casei</i>	Y2 casei	cccactgctgctcccgttaggaagt tgcactgagattcgacttaa	45	290	[16]
<i>L. paracasei</i>	Y2 para	cccactgctgctcccgttaggaagt caccgagattcaacatgg	45	220	
<i>L. rhamnosus</i>	Y2 rham	cccactgctgctcccgttaggaagt tgcactgtgatttaattttg	45	220	
<i>L. brevis</i>	Bre-16S.L Bre-ITS.R	gtgagataaccttcgggagt ggtcacttcgtgatcgctcaa	62	316	[17]
<i>L. helveticus</i>	Hel I Hel II	gaagtcatggagagtagagata ctcttctcgggtcgcttg	62	178	[18]
<i>L. acidophilus</i>	23-10C Laci-1	cctttccctcacggtagt tgcaaagtggtagcgtaagc	68	210	[19]
<i>L. plantarum</i>	Lpla-3 Lpla-2	attcatagtctagttggaggt cctgaactgagagaatttga	60	248	
<i>L. fermentum</i>	Lfer-3 Lfer-4	actaactgactgatctacga ttcactgctcaagtaatcatc	60	192	
<i>L. delbrueckii</i>	20A 23B	aattccgtcaactcctcatc tgatccgctgcttcatttca	62	715	[20]
<i>L. delbrueckii</i> <i>ssp. bulgaricus</i>	34/2 37/1	cgtaactcctcatcaaccggggct cgccgccgggtgaagggtg	62	678	
<i>L. pentosus</i>	16 Lpe-16	gctggatcacctcctttc atgaaactattaaattggtac	53	220	[21]
<i>Lactococcus</i>	1RL 2RR	tttgagagtttgatcctgg tctacgcatttcaccgcta	45	680	[22]
<i>Lc. lactis</i> ssp. <i>lactis</i>	LacF LacreR	gtacttgtagcagtgat gggatcatcttgagtgat	58	163	
<i>Lc. lactis</i> ssp. <i>cremoris</i>	CreF LacreR	gtgcttgaccgatttgaa gggatcatcttgagtgat	58	163	
<i>Leuconostoc</i>	LeucA LeucS	cactttgtctccgaagag aagcactgttgatggga	45	613	[24]
<i>Leu. lactis</i>	Llac-f Llac-r	aggcggcttactggacaac cttagacggctccttccat	60	742	[23,24]
<i>Leu. mesenteroides</i>	Lmes-f Lmes-r	aacttagtgcgatgac agtcgagttacagactacaa	60	1150	
<i>Enterococcus</i>	En I En II	tactgaacaaaccattcatgatg aacttcgtcaccaacgcgaac	55	112	[26]
<i>Enterococcus</i> <i>faecium</i>	EfaecF EfaecR	tcaagtacagttagctttattag acgattcaaagctaactgaatcagt	54	680	[25]
<i>Enterococcus</i> <i>faecalis</i>	EfecF EfecR	ttgaggcagaccagattgacg tatgacagcgactccgattcc	54	941	

Ta – temperature of annealing