

Table S5: List of strains included in the benchmark, lyophilization and *Lactobacillus brevis* dataset used in this study

Benchmark set collection of strains			
Strain	Identification	Phylum	DNA extraction method
LMG 1617 T	<i>Acetobacter lovaniensis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 26852 T	<i>Achromobacter aegrifaciens</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 1668 T	<i>Acidomonas methanolica</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 5286 T	<i>Acidovorax cattleyae</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 1041 T	<i>Acinetobacter baumannii</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 22214 T	<i>Aeromonas molluscorum</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 1229 T	<i>Alcaligenes faecalis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 26473 T	<i>Alishewanella tabrizica</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 18397 T	<i>Anoxybacillus flavithermus</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 24559 T	<i>Arcobacter mytili</i>	Epsilonbacteraeota	Wilson <i>et al.</i> , 1987
LMG 25535	<i>Arcobacter trophiarum</i>	Epsilonbacteraeota	Wilson <i>et al.</i> , 1987
LMG 23083 T	<i>Asaia krungthepensis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 13127 T	<i>Azospirillum brasilense</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 7135 T	<i>Bacillus subtilis subtilis</i>	Firmicutes	Pitcher <i>et al.</i> , 1989
LMG 6451 T	<i>Bacteroides ureolyticus</i>	Bacteroidetes	Pitcher <i>et al.</i> , 1989
LMG 24411 T	<i>Bhargavaea cecembensis</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 11039 T	<i>Bifidobacterium angulatum</i>	Actinobacteria	Gevers <i>et al.</i> , 2001
LMG 23059 T	<i>Blastobacter aggregatus</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 1232 T	<i>Bordetella bronchiseptica</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 2698 T	<i>Brenneria salicis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 7123 T	<i>Brevibacillus brevis</i>	Firmicutes	Gevers <i>et al.</i> , 2001
R-68806	<i>Burkholderia cenocepacia IIIA</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-71051	<i>Burkholderia cenocepacia IIIA</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-71085	<i>Burkholderia cenocepacia IIIA</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-68675	<i>Burkholderia cenocepacia IIIA</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-67259	<i>Burkholderia cenocepacia IIIB</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-67581	<i>Burkholderia cenocepacia IIIB</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-68591	<i>Burkholderia cenocepacia IIIB</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-68599	<i>Burkholderia cenocepacia IIIB</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-69596	<i>Burkholderia cepacia</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
LMG 22485 T	<i>Burkholderia lata</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
R-71006	<i>Burkholderia multivorans</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-71089	<i>Burkholderia multivorans</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-67121	<i>Burkholderia multivorans</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-67196	<i>Burkholderia multivorans</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-67258	<i>Burkholderia multivorans</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-67536	<i>Burkholderia multivorans</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-68768	<i>Burkholderia multivorans</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-50394	<i>Burkholderia stabilis</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-67113	<i>Burkholderia stabilis</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-69593	<i>Burkholderia vietnamiensis</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
R-67189	<i>Burkholderia vietnamiensis</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
LMG 24812 T	<i>Candidimonas nitroreducens</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 23655 T	<i>Carnobacterium inhibens</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 24015 T	<i>Chitinophaga terrae</i>	Bacteroidetes	Wilson <i>et al.</i> , 1987

LMG 18212 T	<i>Chryseobacterium joostei</i>	Bacteroidetes	Wilson <i>et al.</i> , 1987
LMG 3252 T	<i>Citrobacter youngae</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 23965 T	<i>Collimonas pratensis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 19264 T	<i>Corynebacterium casei</i>	Actinobacteria	Gevers <i>et al.</i> , 2001
LMG 8787 T	<i>Curtobacterium luteum</i>	Actinobacteria	Gevers <i>et al.</i> , 2001
LMG 4328 T	<i>Curvibacter delicatus</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 4051 T	<i>Deinococcus radiodurans</i>	Deinococcus-Thermus	Pitcher <i>et al.</i> , 1989
LMG 1226 T	<i>Delftia acidovorans</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 7529 T	<i>Desulfovibrio desulfuricans desulfuricans</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 2804 T	<i>Dickeya chrysanthemi</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 25420 T	<i>Echinimonas agarilytica</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 26586 T	<i>Eilatimonas milleporae</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 26064 T	<i>Enterobacter asburiae</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 26304 T	<i>Enterococcus ureasiticus</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 24401 T	<i>Epilithonimonas lactis</i>	Bacteroidetes	Wilson <i>et al.</i> , 1987
LMG 21371 T	<i>Erwinia carotovora</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 22735	<i>Finegoldia magna</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 4008 T	<i>Flavobacterium aquatile</i>	Bacteroidetes	Wilson <i>et al.</i> , 1987
LMG 28216 T	<i>Formosa algae</i>	Bacteroidetes	Wilson <i>et al.</i> , 1987
LMG 23037 T	<i>Geobacillus toebii</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 25547 T	<i>Glaciimonas immobilis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 21311 T	<i>Gluconacetobacter azotocaptans</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 1408 T	<i>Gluconobacter oxydans</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 22585 T	<i>Gramella echinicola</i>	Bacteroidetes	Wilson <i>et al.</i> , 1987
LMG 24392 T	<i>Granulibacter bethesdensis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 15863	<i>Haemophilus influenzae</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 26187 T	<i>Halomonas ventosae</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 18294 T	<i>Helicobacter fennelliae</i>	Epsilonbacteraeota	Maxwell® 16 Tissue Purification kit
LMG 26149 T	<i>Herbaspirillum soli</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 21292	<i>Ketogulonicigenium robustum</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 2095 T	<i>Klebsiella pneumoniae pneumoniae</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 1527 T	<i>Komagataeibacter hansenii</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 27019	<i>Kozakia baliensis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 6901 T	<i>Lactobacillus delbrueckii bulgaricus</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 19667 T	<i>Lactobacillus diolivorans</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 18398	<i>Lactobacillus paraplantarum</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 16673 T	<i>Lactobacillus paraplantarum</i>	Firmicutes	Pitcher <i>et al.</i> , 1989
LMG 17677	<i>Lactobacillus pentosus</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 18401	<i>Lactobacillus pentosus</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 9210	<i>Lactobacillus pentosus</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 18021	<i>Lactobacillus plantarum</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 18404	<i>Lactobacillus plantarum</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 24832	<i>Lactobacillus plantarum</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 26367	<i>Lactobacillus plantarum</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 11405	<i>Lactobacillus plantarum</i>	Firmicutes	Pitcher <i>et al.</i> , 1989
LMG 9205 T	<i>Lactobacillus plantarum argentoratensis</i>	Firmicutes	Pitcher <i>et al.</i> , 1989
LMG 6907 T	<i>Lactobacillus plantarum plantarum</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 23383 T	<i>Lactococcus piscium</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 1345 T	<i>Leeuwenhoekella marinoflava</i>	Bacteroidetes	Wilson <i>et al.</i> , 1987
LMG 6909 T	<i>Leuconostoc mesenteroides cremoris</i>	Firmicutes	Gevers <i>et al.</i> , 2001

LMG 3897 T	<i>Listonella pelagia</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 2724 T	<i>Lonsdalea quercina quercina</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 8760 T	<i>Lysobacter antibioticus</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 19863 T	<i>Maricaulis parjimensis</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 1346 T	<i>Marinilabilia salmonicolor</i>	Bacteroidetes	Wilson <i>et al.</i> , 1987
LMG 23835 T	<i>Marinobacter algicola</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 25435 T	<i>Marinobacterium coralli</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 2864 T	<i>Marinomonas communis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 22193 T	<i>Martellella mediterranea</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 21530 T	<i>Massilia timonae</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 25664 T	<i>Megasphaera cerevisiae</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 22697 T	<i>Mesorhizobium thioangeticum</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 4050 T	<i>Micrococcus luteus</i>	Actinobacteria	Gevers <i>et al.</i> , 2001
LMG 18919 T	<i>Microvirgula aerodenitrificans</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 11194 T	<i>Moraxella canis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 7874 T	<i>Morganella morgani morganii</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 29427 T	<i>Nakamurella silvestris</i>	Actinobacteria	Gevers <i>et al.</i> , 2001
LMG 27021 T	<i>Neokomagataea thailandica</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 27282 T	<i>Noviherbaspirillum psychrotolerans</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 24024 T	<i>Oceanobacillus oncorhynchi oncorhynchi</i>	Firmicutes	Pitcher <i>et al.</i> , 1989
LMG 6519 T	<i>Oligella ureolytica</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 3516	<i>Paenalcaligenes hominis</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
LMG 16409	<i>Pandoraea apista</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
LMG 1286 T	<i>Pantoea agglomerans</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 26195 T	<i>Paracoccus sp.</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 24012 T	<i>Parapusillimonas granuli</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 27212	<i>Pectinatus sp.</i>	Firmicutes	Wilson <i>et al.</i> , 1987
LMG 2404 T	<i>Pectobacterium carotovorum carotovorum</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 22475 T	<i>Phaeobacter inhibens</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 2186	<i>Phaseolibacter flectens</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 4233 T	<i>Photobacterium phosphoreum</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 21665 T	<i>Pigmentiphaga kullae</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 25212 T	<i>Polynucleobacter cosmopolitanus</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 6452 T	<i>Prevotella bivia</i>	Bacteroidetes	Gevers <i>et al.</i> , 2001
LMG 1242 T	<i>Pseudomonas aeruginosa</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 24163 T	<i>Pseudoxanthomonas dokdonensis</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 21276 T	<i>Psychrobacter luti</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 6866 T	<i>Ralstonia mannitolilytica</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 23818 T	<i>Rheinheimera chironomi</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 12537	<i>Rhizorhapis suberifaciens</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 23003 T	<i>Rhodanobacter fulvus</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 4305 T	<i>Rhodobacter blasticus</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 28633 T	<i>Rhodococcus degradans</i>	Actinobacteria	Gevers <i>et al.</i> , 2001
LMG 26121 T	<i>Rosenbergiella nectarea</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 24552 T	<i>Roseomonas gilardii</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 27719 T	<i>Roseomonas gilardii</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 24367 T	<i>Ruegeria scottmollicae</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 23170 T	<i>Saccharibacter floricola</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 28391 T	<i>Salininema proteolyticum</i>	Actinobacteria	Gevers <i>et al.</i> , 2001

LMG 7233 T	<i>Salmonella enterica enterica</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 7881 T	<i>Serratia ficaria</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 5019 T	<i>Serratia rubidaea</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 24424 T	<i>Shewanella vesiculosa</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 23381 T	<i>Simplicispira metamorpha</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 12553	<i>Sphingobium xanthum</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 19484 T	<i>Sphingomonas melonis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 6928 T	<i>Sporosarcina globispora</i>	Firmicutes	Pitcher <i>et al.</i> , 1989
LMG 13349 T	<i>Staphylococcus haemolyticus</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 24537 T	<i>Stenotrophomonas rhizophila</i>	Proteobacteria	Pitcher <i>et al.</i> , 1989
LMG 6896 T	<i>Streptococcus thermophilus</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 23078	<i>Streptomyces albus albus</i>	Actinobacteria	Gevers <i>et al.</i> , 2001
LMG 25773 T	<i>Tabrizicola aquatica</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 26467 T	<i>Tardiphaga robiniae</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 22049 T	<i>Tatumella citrea</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 26041 T	<i>Tetragenococcus osmophilus</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 129 T	<i>Thalassobius gelatinovor</i> <i>Thermoanaerobacterium</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 2811 T	<i>thermosaccharolyticum</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 24833 T	<i>Vagococcus penaei</i>	Firmicutes	Gevers <i>et al.</i> , 2001
LMG 4044 T	<i>Vibrio harveyi</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 21817 T	<i>Woodsholea maritima</i>	Proteobacteria	Maxwell® 16 Tissue Purification kit
LMG 5743 T	<i>Xanthomonas populi</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 7899 T	<i>Yersinia enterocolitica enterocolitica</i>	Proteobacteria	Wilson <i>et al.</i> , 1987
LMG 460	<i>Zymomonas mobilis</i>	Proteobacteria	Wilson <i>et al.</i> , 1987

Lyophilization set collection of strains		
Strain	Identification	Phylum
LMG 19456	<i>Enterococcus faecalis</i>	Firmicutes
LMG 7937 T	<i>Enterococcus faecalis</i>	Firmicutes
LMG 8147	<i>Enterococcus faecium</i>	Firmicutes
LMG 10274	<i>Enterococcus hirae</i>	Firmicutes
LMG 11427 T	<i>Enterococcus saccharolyticus</i>	Firmicutes
LMG 2093	<i>Escherichia coli</i>	Proteobacteria
LMG 30302 T	<i>Klebsiella kielensis</i>	Proteobacteria
LMG 30316 T	<i>Klebsiella nitrificae</i>	Proteobacteria
LMG 3055 T	<i>Klebsiella oxytoca</i>	Proteobacteria
LMG 2095 T	<i>Klebsiella pneumoniae</i>	Proteobacteria
LMG 3116	<i>Klebsiella pneumoniae</i>	Proteobacteria
LMG 21683	<i>Lactobacillus alimentarius</i>	Firmicutes
LMG 11400 T	<i>Lactobacillus amylophilus</i>	Firmicutes
LMG 9496 T	<i>Lactobacillus amylovorus</i>	Firmicutes
LMG 25505 T	<i>Lactobacillus apodemi</i>	Firmicutes
LMG 23516	<i>Lactobacillus casei</i>	Firmicutes
LMG 11440	<i>Lactobacillus crispatus</i>	Firmicutes
LMG 18916	<i>Lactobacillus iners</i>	Firmicutes
LMG 30568	<i>Lactobacillus johnsonii</i>	Firmicutes
LMG 30566	<i>Lactobacillus kunkeei</i>	Firmicutes
LMG 11961	<i>Lactobacillus paracasei paracasei</i>	Firmicutes

LMG 7955	<i>Lactobacillus paracasei paracasei</i>	Firmicutes
LMG 30567	<i>Lactobacillus plantarum</i>	Firmicutes
LMG 10770	<i>Lactobacillus rhamnosus</i>	Firmicutes
LMG 18028	<i>Lactobacillus rhamnosus</i>	Firmicutes
LMG 23667	<i>Lactobacillus rhamnosus</i>	Firmicutes
LMG 14806	<i>Lactobacillus salivarius</i>	Firmicutes
LMG 8162	<i>Lactococcus garvieae</i>	Firmicutes
LMG 9443	<i>Lactococcus garvieae</i>	Firmicutes
LMG 9472	<i>Lactococcus garvieae</i>	Firmicutes
LMG 9462	<i>Lactococcus lactis hordniae</i>	Firmicutes
LMG 14418	<i>Lactococcus lactis lactis</i>	Firmicutes
LMG 6890 T	<i>Lactococcus lactis lactis</i>	Firmicutes
LMG 7930	<i>Lactococcus lactis lactis</i>	Firmicutes
LMG 18868	<i>Leuconostoc carnosum</i>	Firmicutes
LMG 19597	<i>Leuconostoc gelidum</i>	Firmicutes
LMG 7940	<i>Leuconostoc lactis</i>	Firmicutes
LMG 25878	<i>Leuconostoc mesenteroides</i>	Firmicutes
LMG 18972	<i>Leuconostoc mesenteroides cremoris</i>	Firmicutes
LMG 11321	<i>Leuconostoc mesenteroides dextranicum</i>	Firmicutes
LMG 18967	<i>Leuconostoc mesenteroides mesenteroides</i>	Firmicutes
LMG 24510 T	<i>Leuconostoc palmae</i>	Firmicutes
LMG 8159 T	<i>Leuconostoc suionicum</i>	Firmicutes
LMG 15081	<i>Streptococcus agalactiae</i>	Firmicutes
LMG 14517	<i>Streptococcus gordonii</i>	Firmicutes
LMG 14542	<i>Streptococcus pneumoniae</i>	Firmicutes
LMG 21598	<i>Streptococcus pneumoniae</i>	Firmicutes
LMG 13103	<i>Streptococcus salivarius</i>	Firmicutes
LMG 14652	<i>Streptococcus salivarius</i>	Firmicutes
LMG 14637	<i>Streptococcus sanguinis</i>	Firmicutes
LMG 14638	<i>Streptococcus sanguinis</i>	Firmicutes
LMG 9465 T	<i>Streptococcus uberis</i>	Firmicutes
LMG 16883	<i>Weissella confusa</i>	Firmicutes
LMG 18476	<i>Weissella confusa</i>	Firmicutes
LMG 18500	<i>Weissella confusa</i>	Firmicutes
LMG 18503	<i>Weissella confusa</i>	Firmicutes
LMG 18815	<i>Weissella confusa</i>	Firmicutes
LMG 14471 T	<i>Weissella kandleri</i>	Firmicutes
LMG 9852 T	<i>Weissella paramesenteroides</i>	Firmicutes
LMG 19144	<i>Xanthomonas arboricola fragariae</i>	Proteobacteria
LMG 747	<i>Xanthomonas arboricola juglandis</i>	Proteobacteria
LMG 751	<i>Xanthomonas arboricola juglandis</i>	Proteobacteria
LMG 556	<i>Xanthomonas axonopodis biophyti</i>	Proteobacteria
LMG 7390	<i>Xanthomonas axonopodis cassiae</i>	Proteobacteria
LMG 7486	<i>Xanthomonas axonopodis erythrinae</i>	Proteobacteria
LMG 758	<i>Xanthomonas axonopodis maculifoliigardeniae</i>	Proteobacteria
LMG 766	<i>Xanthomonas axonopodis manihotis</i>	Proteobacteria
LMG 9049	<i>Xanthomonas axonopodis martyniicola</i>	Proteobacteria
LMG 955	<i>Xanthomonas axonopodis tamarindi</i>	Proteobacteria

LMG 559	<i>Xanthomonas campestris campestris</i>	Proteobacteria
LMG 568	<i>Xanthomonas campestris campestris</i>	Proteobacteria
LMG 7460	<i>Xanthomonas campestris campestris</i>	Proteobacteria
LMG 8655	<i>Xanthomonas citri aurantifolii</i>	Proteobacteria
LMG 30292	<i>Xanthomonas fragariae</i>	Proteobacteria
LMG 630	<i>Xanthomonas oryzae oryzae</i>	Proteobacteria
LMG 654	<i>Xanthomonas oryzae oryzicola</i>	Proteobacteria
LMG 847 T	<i>Xanthomonas pisi</i>	Proteobacteria
LMG 471 T	<i>Xanthomonas sacchari</i>	Proteobacteria
LMG 8718	<i>Xanthomonas vasicola vasculorum</i>	Proteobacteria

Lactobacillus brevis set collection of strains		
Strain	Identification	isolation source
LMG 6906 T	<i>Lactobacillus brevis</i>	human, faeces
LMG 7761	<i>Lactobacillus brevis</i>	green fermenting olives
LMG 11401	<i>Lactobacillus brevis</i>	beer
LMG 11434	<i>Lactobacillus brevis</i>	white Stilton cheese
LMG 11437	<i>Lactobacillus brevis</i>	silage
LMG 11438	<i>Lactobacillus brevis</i>	tomato pulp
LMG 11495	<i>Lactobacillus brevis</i>	wine
LMG 11969	<i>Lactobacillus brevis</i>	marinated fish
LMG 11988	<i>Lactobacillus brevis</i>	dried yeast
LMG 11993	<i>Lactobacillus brevis</i>	English hard cheese
LMG 11998	<i>Lactobacillus brevis</i>	starter from dairy
LMG 12023	<i>Lactobacillus brevis</i>	human, intestine
LMG 16322	<i>Lactobacillus brevis</i>	spoiled beer
LMG 18022	<i>Lactobacillus brevis</i>	Zabady (yoghurt)
R-33878	<i>Lactobacillus brevis</i>	sourdough
R-34116	<i>Lactobacillus brevis</i>	cocoa
R-42469	<i>Lactobacillus brevis</i>	Nem chua (fermented meat)
R-42874	<i>Lactobacillus brevis</i>	pasteurized milk (Beverse Kaasmakerij)
R-46486	<i>Lactobacillus brevis</i>	Dua chua (fermented plant)
R-47272	<i>Lactobacillus brevis</i>	cheese (Touloumotyri)
R-47313	<i>Lactobacillus brevis</i>	cheese (Anthotyro)
R-47325	<i>Lactobacillus brevis</i>	cheese (Kefalotyri)
R-47349	<i>Lactobacillus brevis</i>	cheese (Kefalotyri)
R-49154	<i>Lactobacillus brevis</i>	beer
R-53271	<i>Lactobacillus brevis</i>	beer