Supplementary Table S1: RepB_pMV158 homologs

Plasmid name [a]	Replication initiation protein GenBank Acc. No.	Initiator tree cluster [b]	Nucleotide GenBank Acc. No.	Relaxase GenBank Acc. No.	Host	Other traits of interest (virulence and antibiotic-resistance genes) [c]
pMV158	YP_001586272.1	pMV158	NC_010096.1	YP_001586274.1	*Streptococcus agalactiae*	Tc
pW2580	YP_001649327.1	pMV158	NC_010260.1		*Streptococcus dysgalactiae*	dysgalacticin
pDN281	YP_001648846.1	pMV158	NC_010230.1		*Streptococcus pyogenes*	disgalacticin
pSdyT132	YP_001966519.1	pMV158	NC_010907.1		*Streptococcus dysgalactiae*	disgalacticin
pA852	YP_008414910.1	pMV158	NC_022077.1		*Streptococcus pyogenes*	bacteriocin
pRW35	YP_001716199.1	pMV158	NC_010423.2	YP_001716200.1	*Streptococcus pyogenes*	Mac
p121BS	NP_862544.1	pMV158	NC_004957.1		*Lactobacillus sp.*	Ery
pSBO2	BAA75016.1	pMV158	AB021465.1	BAA75017.1	*Streptococcus bovis*	
pSSU1	NP_053058.1	pSSU1	NC_002140.1	NP_053061.1	*Streptococcus suis*	
pLS55	YP_001691308.1	pSSU1	NC_010375.1	YP_001691307.1	*Lactobacillus sakei*	Tc
pMA67	YP_001966008.1	pSSU1	NC_010875.1	YP_001966010.1	*Paenibacillus larvae*	Tc
pJB01	YP_138502.1	pSSU1	NC_006427.1		*Enterococcus faecium*	
pPF107-3	CAA73217.1	pSSU1	Y12675.1		*Lactococcus lactis*	
pLS141-1	BAC99041.1	pSSU1	AB109041.1		*Lactobacillus sakei*	
pYC2	YP_002333849.1	pSSU1	NC_011652.1		*Lactobacillus sakei*	
pLF24	YP_002455777.1	pSSU1	NC_011798.1		*Lactobacillus farciminis*	
pXY3	YP_003422740.1	pSSU1	NC_013789.1		*Lactobacillus plantarum*	
pLH2	CAA57504.1	pSSU1	X81981.1		*Lactobacillus helveticus*	
LkipL48	YP_003620511.1	pSSU1	NC_014135.1	YP_003620509.1	*Leuconostoc kimchii*	
pYSI8	YP_001967739.1	pSSU1	NC_010936.1	YP_001967741.1	*Lactobacillus sakei*	Lin
pMBLR00	YP_006964794.1	pSSU1	NC_019353.1	YP_006964795.1	*Leuconostoc mesenteroides*	
pLB925A01	YP_002790951.1	pSSU1	NC_012548.1		*Lactobacillus brevis*	
pLP5403	YP_008130405.1	pSSU1	NC_021574.1		*Lactobacillus paracasei*	
pWCFS102	YP_133712.1	pSSU1	NC_006376.1		*Lactobacillus plantarum*	
pLpB9	ABY86900.1	pSSU1	EU391630.1		*Lactobacillus plantarum*	
pGL2	YP_005352348.1	pSSU1	NC_016981.1	YP_005352352.1	*Lactococcus garvieae*	
pSMQ172	NP_862546.1	pSSU1	NC_004958.1	NP_862547.1	*Streptococcus thermophilus*	
pER13	NP_115335.1	pSSU1	NC_002776.1	NP_115336.1	*Streptococcus thermophilus*	
pKL0018	YP_001798650.1	pSSU1	NC_010540.1		*Lactococcus garvieae*	Mac, Tc
pCPS49	YP_006958109.1	pCPS49	NC_019142.1	YP_006958108.1	*Staphylococcus aureus*	PLS(A)
pWV01	NP_053450.1	pWV01	NC_002192.1		*Lactococcus lactis*	
pLPI8	YP_003965463.1	pWV01	NC_014627.1		*Lactobacillus plantarum*	
pPSC22	CAA65101.1	pWV01	X95843.1		*Lactobacillus plantarum*	
pKMK1	AAA25437.1	pKMK1	M81470.1		*Mycoplasma mycoides*	
pMG1A-1	YP_007183021.1	pKMK1	NC_019796.1		*Mycoplasma mycoides*	
pMG1B-1	YP_007173698.1	pKMK1	NC_019788.1		*Mycoplasma capricolum*	
pMG1C-1	YP_007173690.1	pKMK1	NC_019784.1		*Mycoplasma mycoides*	
pMmc-95010	YP_007013564.1	pKMK1	NC_015407.1		*Mycoplasma mycoides*	
SAP085B	YP_006938614.1	SAP085B	NC_013345.1	YP_006938616.1	*Staphylococcus aureus*	MLS(B)
pDLK3	YP_003537100.1	SAP085B	NC_013969.1		*Staphylococcus aureus*	
SAP099B	YP_006938723.1	SAP099B	NC_013349.1		*Staphylococcus aureus*	As
pSsal-M18	EGX29383.1	SAP099B	AGBV01000006.1		*Streptococcus salivarus*	lantibiotic
pSRQ700	NP_116729.1	SAP099B	NC_002798.1		*Lactococcus lactis*	
pTRACA42	AEJ88199.1	pTRACA42	HM560025.1		*Uncultured bacterium*	
pPB1	YP_138219.1	pPB1	NC_006399.1	YP_138221.1	*Lactobacillus plantarum*	
unnamed	EEU83768.1	pPB1	GG688636.1		*Enterococcus faecalis*	
pCI411	NP_862729.1	pPB1	NC_004992.1		*Leuconostoc lactis*	
pCL2.1	NP_862690.2	pPB1	NC_004981.2		*Lactococcus lactis*	
pTXW	YP_003517728.1	pTXW	NC_013952.1	YP_003517730.1	*Lactobacillus paracasei*	
pWCZ	YP_007027013.1	pTXW	NC_019669.1	YP_007027014.1	*Lactobacillus paracasei*	
pLA106	NP_862699.1	pTXW	NC_004985.1	NP_862697.1	*Lactobacillus acidophilus*	
pA1	YP_001586276.1	pA1	NC_010098.1		*Lactobacillus plantarum*	
pAR141	YP_003422581.1	pA1	NC_013783.1		*Lactococcus lactis*	
pK50-2	YP_004169113.1	pA1	NC_014936.1		*Lactobacillus reuteri*	
p121BS	NP_862542.1	pA1	NC_004957.1		*Lactobacillus sp.*	Ery
unnamed	ACL81264.1	pA1	FJ489650.1		*Lactobacillus reuteri*	Ery
pLB4	AAA25254.1	pLB4	M33531.1	AAA25252.1	*Lactobacillus plantarum*	
pBM02	NP_862030.1	pLB4	NC_004930.1	NP_862027.1	*Lactococcus lactis*	
pKL001	YP_002332312.1	pLB4	NC_011610.1		*Lactococcus lactis*	
pLR001	YP_002221597.1	pLB4	NC_011223.1		*Lactobacillus rhamnosus*	bacterial lysin
pMRI_5.2	YP_007215176.1	pLB4	NC_019900.1	YP_007215174.1	*Lactobacillus plantarum*	
pLFE1	YP_002842049.1	pLB4	NC_012628.1	YP_002842050.1	*Lactobacillus plantarum*	Ery
pCD034-2	YP_004869654.1	pLB4	NC_016034.1	YP_004869655.1	*Lactobacillus buchneri*	
pTRACA66	AEJ88207.1	pTRACA66	HM560028.1		*uncultured bacterium*	
pHPK255	AAB21515.1	pHPK255	S84689.1		*Helicobacter pylori*	
p2HPAKL117	YP_007018095.1	pHPK255	NC_019562.1		*Helicobacter pylori*	
p2HPAKL86	YP_007019483.1	pHPK255	NC_019565.1		*Helicobacter pylori*	
pAL236-2	YP_003650625.1	pHPK255	NC_014162.1		*Helicobacter pylori*	
pHP489	NP_045217.1	pHPK255	NC_001843.1		*Helicobacter pylori*	
pAL236-5	YP_003650626.1	pHPK255	NC_014163.1		*Helicobacter pylori*	
pADB201	NP_040430.2	pADB201	NC_001382.1		*Mycoplasma mycoides*	
pBG7AU	NP_066396.1	pADB201	NC_002569.1		*Mycoplasma leachii*	
pMG2A-1	YP_007183017.1	pADB201	NC_019794.1		*Mycoplasma capricolum*	
pMG2B-1	YP_007173692.1	pADB201	NC_019785.1		*Mycoplasma yeatsii*	
pMG2C-1	YP_007183019.1	pADB201	NC_019795.1		*Mycoplasma cottewii*	
pMG2D-1	YP_007173696.1	pADB201	NC_019787.1		*Mycoplasma capricolum*	
pMG2E-1	YP_007173694.1	pADB201	NC_019786.1		*Mycoplasma cottewii*	
pMG2F-1	YP_007183023.1	pADB201	NC_019797.1		*Mycoplasma yeatsii*	

[a]: Plasmids whose replication proteins were retrieved by a PSI-BLAST using RepB_pMV158 as a query are listed.

[b]: It locates the corresponding plasmid in one of the cartooned clusters of Supplementary Figure S1, for each of which a prototype was selected.

[c]: Antibiotic or metal resistance to Tc: tetracycline; MLS(B): macrolide/lincosamide/streptogramin B; Lin: lincosamide; Mac, macrolides; PLS(A), pleuromutilins/lincosamide/streptogramin A; Ery: erythromycin; As, arsenate.