

**Table S1.** List of *Listeria monocytogenes* strains used for the construction of a core genome.

Strain/biosample	MLST	Source	Date	Accession number
Lmo13	2	Clinical	2018	WQLO000000000
Lmo2001	7	Clinical	2018	WQLN000000000
Lmo2050	87	Clinical	2018	WQLM000000000
Lmo5004	5	Clinical	2018	WQLL000000000
Lmo5011	7	Clinical	2018	WQLK000000000
Lmo5148	1	Clinical	2017	WQLJ000000000
Lmo5214	14	Clinical	2017	WQLI000000000
Lmo5272	8	Clinical	2018	WQLH000000000
Lmo5304	87	Clinical	2016	WQLG000000000
Lmo5414	2	Clinical	2016	WQLF000000000
Lmo5965	87	Clinical	2018	WQLE000000000
Lmo6079	429	Clinical	2018	WQLD000000000
Lmo9017	7	Clinical	2018	WQLC000000000
SAMN02730097	626	Environmental	2011	NZ_CP007583
SAMN10230511	71	Environmental	2016	NZ_RDSS000000000
SAMN03288758	59	Environmental	2012	NZ_AYPU000000000
SAMN03267130	2	Environmental	2012	NZ_AYPT000000000
SAMN03177401	1	Environmental	2011	NZ_CP009897
SAMN12565111	59	Environmental	2018	NZ_VOXH000000000
SAMN03265955	New	Clinical	2012	NZ_APIJ000000000
SAMN04590016	5	Clinical	2008	NZ_LVYC000000000
SAMN02689400	1	Food	2014	AAAQIG000000000
SAMN12565105	1	Environmental	2018	NZ_VPFG000000000
SAMN12565106	1	Environmental	2018	NZ_VOXM000000000
SAMN03473631	3	Food	2015	AAAOJW010000000
SAMN12505036	3	Environmental	2018	NZ_VOXC000000000
SAMN05195142	3	Food	2016	AABAND000000000

SAMN12565103	3	Environmental	2018	NZ_VOXO000000000
SAMN12565102	3	Environmental	2018	NZ_VOXP000000000
SAMN03265957	3	Clinical	2007	NZ_APIC000000000
SAMN03265958	3	Clinical	2012	NZ_APIH000000000
SAMN08391469	330	Food	2017	AAAXOZ00000000000
SAMN05195139	87	Food	2016	AABANE000000000
SAMN04884549	87	Clinical	2008	NZ_CP015593
SAMN12565113	87	Environmental	2018	NZ_VOXF000000000
SAMN03265959	87	Clinical	2011	NZ_APIG000000000
SAMN12565110	87	Environmental	2018	NZ_VOXI000000000
SAMN12565104	87	Environmental	2018	NZ_VOXN000000000
SAMN12565112	87	Environmental	2018	NZ_VOXG000000000
SAMN02921585	87	Food	2009	AAAJCK000000000
SAMN02352658	846	Food	2012	AABCXC000000000
SAMN05591110	87	Food	2016	AAATHW000000000
SAMN05868142	87	Environmental	2015	NZ_MKXC000000000
SAMN03265961	87	Clinical	2014	NZ_APIL000000000
SAMN05361999	87	Food	2016	AAEXNS000000000
SAMN08163725	87	Food	2017	AAAXBV000000000
SAMN03265954	29	Clinical	2011	NZ_APIK000000000
SAMN12565107	101	Environmental	2018	NZ_VOXL000000000
SAMN12565108	101	Environmental	2018	NZ_VOKX000000000
SAMN07981261	New	Environmental	2004	NZ_AWWT000000000
SAMN02709433	155	Food	2007	RENS000000000
SAMN03265950	381	Clinical	2007	NZ_APIB000000000
SAMN03265960	391	Clinical	2012	NZ_APIM000000000
SAMN04441845	199	Environmental	2012	NZ_LRTX000000000
SAMN02921418	199	Food	2002	AAANZB000000000
SAMN02921419	199	Food	2002	AAANSF000000000

SAMN04441865	121	Environmental	2013	NZ_LRTY00000000
SAMN02923582	121	Food	2006	AAARCC010000000
SAMN02923581	121	Food	2006	AAARCV000000000
SAMN02923583	121	Food	2006	AAAHZK000000000
SAMN03265953	91	Clinical	2012	NZ_APPI000000000
SAMN03265951	7	Clinical	2008	NZ_APIE000000000
SAMN07419002	204	Food	2017	AAAVPP000000000
SAMN07419000	204	Food	2017	AAAVPS000000000
SAMN07419001	204	Food	2017	AAALKN000000000
SAMN06920120	477	Environmental	2007	NZ_CP021325.1
SAMN04441844	9	Food	2012	NZ_LRTW00000000
SAMN07981260	34	Food	2004	NZ_AWWU000000000
SAMN02922948	9	Food	2009	REVS000000000
SAMN04961915	9	Food	2016	AABAHM000000000
SAMN02922947	9	Food	2009	AAAIFV000000000
SAMN03265952	9	Clinical	2010	NZ_APIF00000000
SAMN07981262	9	Food	2008	NZ_AWWS00000000
SAMN07981264	753	Food	2008	NZ_AWWQ00000000
SAMN03265956	8	Clinical	2008	NZ_APID00000000
SAMN03776998	8	Food	2015	AAAHL000000000
SAMN05525726	8	Food	2016	AAATEG000000000
SAMN05525727	8	Food	2016	AAATEH000000000
SAMN09388366	8	Food	2009	NZ_QKRQ00000000
SAMN09388363	8	Food	2007	NZ_QKRN00000000
SAMN09388367	8	Food	2011	NZ_QKRR00000000
SAMN09388365	8	Food	2009	NZ_QKRP00000000
SAMN09388362	8	Food	2007	NZ_QKRM00000000
SAMN09388364	8	Food	2007	NZ_QKRO00000000
SAMN02922598	551	Food	2004	REMR00000000

SAMN03492288	8	Food	2015	AAAILL0000000000
SAMN03492289	8	Food	2015	AAAJOK0000000000
SAMN09388361	8	Clinical	2012	NZ_QKRL00000000
SAMN12565109	8	Environmental	2018	NZ_VOXJ00000000
SAMN03776997	8	Food	2015	AAAIMN0000000000
SAMN02923408	8	Food	2007	AAARAC010000000
SAMN02923409	8	Food	2007	AAAJZA0000000000
SAMN04122403	8	Food	2015	AAAPZN0000000000
SAMN05513235	8	Food	2016	AAATDT0000000000
SAMN07981263	8	Environmental	2008	NZ_AWWR00000000

**Table S2.** MIC values of 13 *Listeria monocytogenes* isolates.

Isolate	AMK	AMC	PEN	CXA	FOX	CAZ	CRO	CSL	FEP	CIP	ETP	GEN	IMP	LVX	MFX	TGC	SXT
Lmo13	≤2	≤2	0.25	≥64	≥64	≥64	≥64	16	16	≤0.5	0.25	≤0.5	≤0.25	1	≤0.25	≤0.5	≤20
Lmo 2001	≤2	≤2	0.12	8	32	1	1	≤8	8	1	≤0.12	≤0.5	≤0.25	2	1	≤0.5	≤20
Lmo 2150	≤2	≤2	0.25	≥64	≥64	≥64	≥64	16	16	1	0.25	≤0.5	≤0.25	1	1	≤0.5	≤20
Lmo 5004	≤2	≤2	0.25	8	32	≥64	≥64	≤8	16	1	0.25	≤0.5	≤0.25	2	1	≤0.5	≤20
Lmo 5011	≤2	≤2	0.12	2	32	4	1	≤8	8	1	≤0.12	≤0.5	≤0.25	2	1	≤0.5	≤20
Lmo 5148	≤2	≤2	0.25	≥64	≥64	≥64	≥64	16	16	1	0.25	≤0.5	≤0.25	2	1	≤0.5	≤20
Lmo 5214	≤2	≤2	0.25	≥64	≥64	≥64	16	16	16	1	0.25	≤0.5	≤0.25	2	1	≤0.5	≤20
Lmo 5272	≤2	≤2	0.25	≥64	≥64	≥64	≥64	16	16	1	0.25	≤0.5	≤0.25	2	1	≤0.5	≤20
Lmo 5314	≤2	≤2	0.25	≥64	≥64	≥64	≥64	16	≥32	1	0.25	≤0.5	≤0.25	2	1	≤0.5	≤20
Lmo 5414	≤2	≤2	0.25	≥64	≥64	≥64	≥64	16	16	≤0.5	0.25	≤0.5	≤0.25	0.5	≤0.25	≤0.5	≤20
Lmo 5965	≤2	≤2	0.25	≥64	≥64	≥64	≥64	16	16	1	0.25	≤0.5	≤0.25	1	0.5	≤0.5	≤20
Lmo 6079	≤2	≤2	0.25	≥64	≥64	≥64	≥64	16	16	1	0.25	≤0.5	≤0.25	2	1	≤0.5	≤20
Lmo 9017	≤2	≤2	0.25	8	32	1	≤0.25	≤8	8	1	≤0.12	≤0.5	≤0.25	4	1	≤0.5	≤20

AMK: amikacin; AMC: amoxicillin/clavulanic acid; PEN: benzylpenicillin; CXA: cefuroxime; FOX: cefoxitin; CAZ: ceftazidime; CRO: ceftriaxone; CSL: cefoperazone/sulbactam; FEP: cefepime; CIP: ciprofloxacin; ETP: ertapenem; GEN: gentamicin; IMP: imipenem; LVX: levofloxacin; MFX: moxifloxacin; TGC: tigecycline; SXT: trimethoprim/sulfamethoxazole.