

Table S1: Target genes for serogroup, expected size of amplicons and primers used

Target gene	Size (bp)	Primer sequence (5'-3')	Molecular group					Reference
			IIa	IIb	IIc	VIa	VIb	
<i>prfA</i>	274	GATACAGAAACATCGGTTGGC GTGTAATCTTGATGCCATCAGG	+	+	+	+	+	11
<i>prs</i>	370	GCT GAA GAG ATT GCG AAA GAA G CAA AGA AAC CTT GGA TTT GCG G	+	+	+	+	+	12
<i>orf</i> 2819	471	AGC AAA ATG CCA AAA CTC GT CAT CAC TAA AGC CTC CCA TTG	-	+	-	-	+	
<i>Orf</i> 2110	597	AGT GGA CAA TTG ATT GGT GAA CAT CCA TCC CTT ACT TTG GAC	-	-	-	-	+	
<i>lmo073</i> 7	691	AGG GCT TCA AGG ACT TAC CC ACG ATT TCT GCT TGC CAT TC	+	-	+	-	-	
<i>lmo</i> 1118	906	AGG GGT CTT AAA TCC TGG AA CGG CTT GTT CGG CAT ACT TA	-	-	+	-	-	

Table S2: Target genes for virulence testing, expected size of amplicons and primers used

Target gene	Size (bp)	Primer sequence (5'-3')	Amplification condition	Reference
<i>inlJ</i>	238	F-TGTAACCCCGCTTACACAGTT R-AGCGGCTTGGCAGTCTAATA	95°C/5min 94°C/80s 58°C/90s 72°C/6min	13
<i>actA</i>	650	F-CCAAGCGAGGTAATACGGGA R-GTCCGAAGCATTACCTCTTC		
<i>prfA</i>	467	F-ACCAATGGGATCCACAAGA R-CAGCTGAGCTATGTGCGAT		
<i>hlyA</i>	404	F-ATCATCGACGGCAACCTCGGAGAC R-CACCATTCCCAAGCTAAACCACTGC		
<i>plcB</i>	289	F-AATATTTCAATCAATCGGTGGCTGA R-GGGTAGTCCGCTTTCGCTCTT		

Table S3: Primer sequence, expected product size and PCR annealing temperature used for the amplification of resistance genes.

Targeted gene	Expected size (bp)	Primer sequence	Annealing temperature (°C)	Targeted antibiotic class
<i>aad6</i>	978	F: AGAAGATGTAATAATATAG	56	Streptomycin
		R: CTGTAATCACTGTTCCCGCCT		
<i>cat</i>	384	F: GAACAGGAATTAATAGTGAG	54	Chloramphenicol
		R: GGTAACCATCACATAC		
<i>dfrD</i>	199	F: AGAGTAATCGGCAAGGATAACG	56	Trimethoprim
		R: AATGGGCAATTTCAATCC		
<i>ampC</i>	550	F: TTCTATCAAMACTGGCARCC	60	Beta-lactams
		R: CCYTTTTATGTACCCAYGA		
<i>bla_{TEM}</i>	692	F: TTCGTGTCGCCCTTATTCC		
		R: CCGGCTCCAGATTATCAGC		
<i>blaz</i>	173	F: ACTTCAACACCTGCTGCTTTC		
		R: TGACCACTTTATCAGCAACC		
<i>Tet(A)</i>	210	F: GCTACATCCTGCTTGCC TTC	55	Tetracycline
		R: CATAGATCGCCGTGAAGAGG		
<i>Tet(B)</i>	659	F: TTGGTTAGGGGCAAGTTTTG		
		R: GTAATGGGCAATAACACCG		
<i>Tet(C)</i>	418	F: CTTGAGAGCCTTCAACCCAG		
		R: ATGGTCGTCATCTACCTGCC		
<i>Tet(K)</i>	361	F: GTAGCGACAATAGGTAATAGT		
		R: GTAGTGACAATAAACCTCCTA		
<i>Tet(L)</i>	267	F: TCGTTAGCGTGCTGTCATTC		
		R: GTATCCCACCAATGTAGCCG		
<i>Tet(M)</i>	159	F: AGTGGAGCGATTACAGAA		
		R: CATATGTCCTGGCGTGTCTA		
<i>Tet(S)</i>	589	F: ATCAAGATATTAAGGAC	58	
		R: TTCTCTATGTGGTAATC		
<i>SulI</i>	433	F: CGGCGTGGGCTACCTGAACG	65	Trimethoprim/Sulfamethoxazole
		R: GCCGATCGCGTGAAGTTCCG		
<i>SulIII</i>	293	F: GCGCTCAAGGCAGATGGCATT	65	
		R: GCGTTTGATACCGGCACCCGT		



Figure S1: The electrophoretic profile of virulence genes detected in *Listeria monocytogenes* strains