

Supplementary Table S1. List of primers used in this study

Primer	Sequence (5'-3')	Amplicon size (bp)
<i>S. thermophilus</i> <i>rgp</i> genotyping		
MSControl F	gctggtcgtaatcacctcg	2724
MSControl R	caacatcttccaaggtacg	
Multiplex system 1		
Var1F	gtatataatgcacaagaggg	895
Var1R	gaaactaatcttaagcgttcc	
Var2F	ggaaccattgaagtaagg	546
Var2R	cttcagacctaacatttgac	
Var3F	gcttcagatgcaaaaacg	271
Var3R	gtgttactatcatggcaag	
Var4F	gtgaagaatgtagatgacc	1086
Var4R	caataacaagtgctaagac	
Var5F	ccccattggaggatatacgag	376
Var5R	tgggtagtacgggttcgtcac	
Multiplex system 2		
Fg1F	gtcatgtgctctaccaattg	1481
Fg1R	gatggagcttataacgttc	
Fg2F	gtcttcataccatccatg	1040
Fg2R	gttcaactgcttattatcg	
Fg3F	gcttggcatgatggtatg	852
Fg3R	gaataacatcacgtcctcg	
<i>Lactococcus</i> <i>cwps</i> genotyping		
CONF	gtacactatgtttataacaatcatccag	891
CONR	gcaaaccagattcaaagtcagtatg	
cwpsAF	gtgcctatgctccgtagtc	442
cwpsAR	cgagggccaatctctttacc	

cwpsBF	gattcagttgcacggccg	
cwpsBR	agtaagggggcggattgtg	183
cwpsCF	aaagctcatctttccctgttgt	
cwpsCR	gcaccatagtctggaataagacc	686
<i>Lactococcus C</i> subtyping		
C1F	gtcatcaaacatactttcgtc	
C1R	aagttttgccattgtttctcc	650
C2F	gaacaatggattatttatgtctga	
C2R	attcccattttcagcaacaag	450
C3F	gttgtaattgttactagccag	
C3R	tcaatcg cattatagattacacc	250
C4F	gattttattcgaggcttagca	
C4R	tagcattacaatcaatctgtca	968
C5F	gattatattcggggcttagca	
C5R	tgtaatatggtattgtctagca	1141

Supplementary Table S2. Viable counts of presumptive LAB on LM17 and MRS agar at different temperatures

	LM17			MRS		
	30°C	37°C	42°C	30°C	37°C	42°C
Farm 1						
Milk	8.70E+04	8.80E+03	7.90E+03	1.24E+07	9.50E+04	1.07E+05
Curd	2.90E+05	1.68E+05	1.23E+05	1.38E+07	4.90E+05	2.32E+05
Whey	1.68E+04	5.10E+03	5.90E+03	3.10E+04	3.00E+02	0.00E+00
Farm 2						
Milk	5.30E+07	2.75E+05	2.25E+06	9.60E+06	1.24E+05	1.55E+05
Curd	3.50E+07	5.00E+04	3.60E+04	2.37E+06	3.70E+04	1.60E+04
Whey	2.65E+05	1.27E+05	2.44E+04	4.16E+04	3.30E+03	1.02E+03
Farm 3						
Milk	3.40E+06	2.06E+06	3.58E+05	2.78E+06	1.26E+07	5.50E+04
Curd	2.88E+07	4.50E+06	3.50E+06	3.60E+05	1.00E+06	5.00E+05
Whey	1.60E+05	1.65E+05	1.19E+05	3.68E+04	1.01E+03	1.22E+03
Farm 4						
Milk	1.40E+08	5.40E+03	5.70E+03	7.80E+03	3.10E+03	2.60E+03
Curd	8.00E+07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Whey	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Farm 5						
Milk	2.31E+08	2.57E+02	1.01E+02	1.23E+04	2.10E+02	1.19E+03
Curd	4.40E+08	2.25E+05	1.72E+06	1.10E+08	1.24E+06	2.54E+05
Whey	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00