

Table S4. Phenotypic and genotypic resistance of strains isolated from regional cheeses

Cheese	Isolate symbol	Species identified by PCR	Phenotypic antibiotic resistance ¹	Genotypic antibiotic resistance ²
Os1	M9	<i>Lactiplantibacillus pentosus</i>	TE	<i>cat-TC</i>
	M18	<i>Lactiplantibacillus pentosus</i>	TE, C, E	<i>cat-TC</i>
	M22	<i>Lactobacillus delbrueckii</i>	C	-
	M27	<i>Lactiplantibacillus plantarum</i>	TE, C, E	<i>cat-TC</i>
Os2	M28	<i>Lactiplantibacillus pentosus</i>	-	<i>cat-TC</i>
	M30	<i>Lactiplantibacillus plantarum</i>	E, C	<i>erm(B)</i> , <i>cat-TC</i>
	M39	<i>Lactiplantibacillus pentosus</i>	TE, C, E	<i>cat-TC</i>
	M41	<i>Lactiplantibacillus plantarum</i>	-	<i>erm(B)</i> , <i>cat-TC</i>
Os3	M42	<i>Lactiplantibacillus plantarum</i>	-	-
	M45	<i>Lactiplantibacillus pentosus</i>	TE	<i>cat-TC</i>
	M46	<i>Lactiplantibacillus plantarum</i>	TE, C	<i>erm(B)</i> , <i>cat-TC</i>
	M47	<i>Lactiplantibacillus pentosus</i>	TE, C	<i>erm(B)</i> , <i>cat-TC</i>
Os4	BFM 7a	<i>Leuconostoc lactis</i>	E	<i>tet(M)</i>
	BFM 9b	<i>Leuconostoc lactis</i>	E	<i>erm(B)</i>
	BFM 13	<i>Leuconostoc mesenteroides</i>	-	<i>tet(M)</i> , <i>erm(B)</i>
Os5	BFM 15a	<i>Leuconostoc lactis</i>	TE, E	<i>tet(M)</i>
	BFM 16b	<i>Leuconostoc mesenteroides</i>	TE	<i>tet(M)</i>
	BFM 19	<i>Leuconostoc mesenteroides</i>	TE	<i>tet(M)</i>
Os6	BFM 20	<i>Leuconostoc lactis</i>	-	<i>tet(M)</i> , <i>erm(B)</i>
	BFM 22	<i>Lactococcus lactis</i>	TE, C, E	<i>tet(M)</i>
	BFM 24d	<i>Lactocaseibacillus casei</i>	-	-
Os7	BFM 25b	<i>Leuconostoc mesenteroides</i>	TE, E	<i>tet(M)</i>
	BFM 26d	<i>Lactocaseibacillus casei</i>	E	<i>tet(M)</i> , <i>erm(B)</i> , <i>cat-TC</i>
	BFM 28b	<i>Lactiplantibacillus plantarum</i>	TE, C	<i>tet(M)</i> , <i>erm(B)</i>
Os8	BFM 29a	<i>Lactiplantibacillus plantarum</i>	TE, C	<i>tet(M)</i> , <i>erm(B)</i> , <i>cat-TC</i>
	BFM 30b	<i>Lactocaseibacillus casei</i>	-	<i>tet(M)</i> , <i>erm(B)</i>
	BFM 32	<i>Lactocaseibacillus casei</i>	-	<i>tet(M)</i> , <i>cat-TC</i>
Bu1	BFM 38	<i>Leuconostoc lactis</i>	TE, C	<i>tet(M)</i>
	BFM 42a	<i>Leuconostoc lactis</i>	-	<i>tet(M)</i>
	BFM 49	<i>Leuconostoc mesenteroides</i>	TE	-
Br	B2	<i>Lactiplantibacillus plantarum</i>	TE	<i>erm(B)</i> , <i>cat-TC</i>
	B4	<i>Lactiplantibacillus plantarum</i>	-	<i>cat-TC</i>
	B5	<i>Lactocaseibacillus paracasei</i>	-	<i>erm(B)</i>
	B6	<i>Lactiplantibacillus plantarum</i>	-	<i>erm(B)</i>
	B7	<i>Lactocaseibacillus paracasei</i>	TE, C	<i>erm(B)</i>
	B8	<i>Lactiplantibacillus plantarum</i>	E	<i>cat-TC</i>
Og1	Lb48	<i>Levilactobacillus brevis</i>	-	-
	Lb49	<i>Lactobacillus delbrueckii</i>	TE	<i>cat-TC</i>
	Lb50	<i>Lactiplantibacillus pentosus</i>	TE	<i>cat-TC</i>
Re1	Lb51	<i>Lactobacillus helveticus</i>	-	<i>erm(B)</i>
	Lb52	<i>Lactiplantibacillus plantarum</i>	TE, C, E	<i>erm(B)</i> , <i>cat-TC</i>
Re2	Lb54	<i>Lactiplantibacillus plantarum</i>	TE, C	<i>cat-TC</i>
	Lb55	<i>Lactiplantibacillus plantarum</i>	-	<i>erm(B)</i>
Re3	Lb65	<i>Lactiplantibacillus pentosus</i>	E	<i>erm(B)</i> , <i>cat-TC</i>
	Lb70	<i>Lactiplantibacillus plantarum</i>	-	<i>cat-TC</i>
Sg1	P11	<i>Lactococcus lactis</i>	-	-
	P12	<i>Leuconostoc lactis</i>	-	-
	P21	<i>Leuconostoc lactis</i>	-	<i>tet(W)</i>
	P22	<i>Lactococcus garviae</i>	TE	<i>tet(L)</i> , <i>cat-TC</i>
	P23	<i>Lactococcus lactis</i>	-	<i>erm(B)</i>

Sg2	P71	<i>Lactococcus lactis</i>	-	<i>tet(W), tet(L), erm(B)</i>
	P72	<i>Leuconostoc lactis</i>	E, C	<i>erm(B)</i>
	P73	<i>Lactococcus lactis</i>	C	<i>erm(B), cat-TC</i>
	P74	<i>Leuconostoc lactis</i>	TE, E, C	-
	P75	<i>Lactococcus lactis</i>	C	<i>cat-TC</i>
	P76	<i>Lactococcus lactis</i>	-	-
	P77	<i>Leuconostoc lactis</i>	TE, C	<i>tet(L)</i>
Se1	P82	<i>Lactiplantibacillus plantarum</i>	-	<i>erm(B)</i>
	P84	<i>Leuconostoc mesenteroides</i>	-	<i>tet(M), erm(B), cat-TC</i>
	P912	<i>Leuconostoc lactis</i>	TE	<i>erm(B)</i>
	P921	<i>Lactobacillus paracasei</i>	TE	<i>tet(M), cat-TC</i>
	P922	<i>Leuconostoc lactis</i>	TE, E, C	-
	P93	<i>Leuconostoc lactis</i>	-	<i>tet(L), erm(B)</i>
	P94	<i>Leuconostoc mesenteroides</i>	-	<i>tet(W), tet(L), erm(B)</i>
	P95	<i>Lactiplantibacillus plantarum</i>	TE, C	<i>tet(L)</i>
	P96	<i>Lacticaseibacillus paracasei</i>	TE, E, C	<i>tet(L), cat-TC</i>
	P97	<i>Leuconostoc lactis</i>	TE, C	<i>cat-TC</i>
Ch1	P51	<i>Leuconostoc mesenteroides</i>	-	<i>tet(M), erm(B)</i>
	P52	<i>Lactococcus lactis</i>	TE, E, C	<i>tet(M)</i>
	P53	<i>Lacticaseibacillus casei</i>	TE	-
Tr1	P32	<i>Enterococcus faecium</i>	TE	<i>cat-TC</i>
	P34	<i>Lactococcus lactis</i>	C	-
	P35	<i>Lactococcus lactis</i>	-	<i>cat-TC</i>
	P42	<i>Leuconostoc mesenteroides</i>	-	<i>cat-TC</i>
	P43	<i>Leuconostoc lactis</i>	-	<i>tet(M)</i>
Tr2	P102	<i>Lactiplantibacillus plantarum</i>	-	<i>cat-TC</i>
	P105	<i>Lactococcus lactis</i>	-	-
	P106	<i>Leuconostoc lactis</i>	TE, E, C	<i>tet(L), erm(B)</i>
	P107	<i>Lactobacillus delbrueckii</i>	-	<i>tet(M)</i>

Species previously belonging to the *Lactobacillus* genus are: *Limosilactobacillus fermentum* – *Lactobacillus fermentum*, *Lacticaseibacillus casei* – *Lactobacillus casei*, *Lacticaseibacillus paracasei* – *Lactobacillus paracasei*, *Lactiplantibacillus plantarum* – *Lactobacillus plantarum*, *Lactiplantibacillus pentosus* – *Lactobacillus pentosus*, *Levilactobacillus brevis* – *Lactobacillus brevis*, *Limosilactobacillus fermentum* – *Lactobacillus fermentum*.

¹ TE – tetracycline 30 µg, E – erythromycin 15 µg, C – chloramphenicol 30 µg.

² Tetracycline-resistance genes: *tet(M)*, *tet(L)*, *tet(W)*; erythromycin-resistance gene: *erm(B)*; chloramphenicol-resistance gene *cat-TC*.