

Table S1. Physicochemical parameters of whey cheese samples. Average values and standard deviation (\pm).

DRY MATTER			
Storage time (days)	C	LA5	LA5FQ4
1	16.83 \pm 0.36 a,A	19.50 \pm 0.77 a,B	18.82 \pm 0.28 a,b,B
7	18.66 \pm 0.59 b,A	19.90 \pm 0.25 a,B	20.61 \pm 0.34 b,A
14	19.23 \pm 0.33 b,A	21.46 \pm 3.10 a,A	20.04 \pm 1.82 a,b,A
21	18.11 \pm 0.36 b,A	19.44 \pm 0.43 a,B	19.25 \pm 0.52 a,b,B
28	16.07 \pm 0.51 a,A	19.04 \pm 1.42 a,B	18.10 \pm 0.71 a,A,B
aw			
Storage time (days)	C	LA5	LA5FQ4
1	0.934 \pm 0.00 a,A	0.936 \pm 0.00 a,b,A	0.943 \pm 0.00 b,c,B
7	0.937 \pm 0.00 c,A	0.944 \pm 0.00 c,A,B	0.946 \pm 0.00 c,B
14	0.938 \pm 0.00 c,A	0.939 \pm 0.00 b,c,A	0.940 \pm 0.00 b,A
21	0.937 \pm 0.00 b,c,A	0.938 \pm 0.00 b,c,A	0.939 \pm 0.00 b,A
28	0.935 \pm 0.00 a,b,B	0.932 \pm 0.00 a,A	0.933 \pm 0.00 a,A
pH			
Storage time (days)	C	LA5	LA5FQ4
1	6.67 \pm 0.06 b,C	5.27 \pm 0.06 a,b,A	5.80 \pm 0.10 d,B
7	6.63 \pm 0.06 b,B	5.37 \pm 0.06 b,c,A	5.43 \pm 0.06 a,b,A
14	6.93 \pm 0.06 c,C	5.47 \pm 0.06 c,A	5.67 \pm 0.06 c,d,B
21	6.53 \pm 0.15 b,B	5.27 \pm 0.06 b,A	5.23 \pm 0.06 a,b,A
28	6.17 \pm 0.12 a,C	5.07 \pm 0.06 a,A	5.47 \pm 0.12 b,c,B
TITRATABLE ACIDITY			
Storage time (days)	C	LA5	LA5FQ4
1	0.035 \pm 0.01 a,A	0.208 \pm 0.01 a,C	0.164 \pm 0.01 a,B
7	0.089 \pm 0.00 b,A	0.431 \pm 0.01 c,C	0.399 \pm 0.01 d,B
14	0.100 \pm 0.01 b,A	0.570 \pm 0.02 d,C	0.246 \pm 0.02 b,B
21	0.101 \pm 0.00 b,A	0.378 \pm 0.00 b,C	0.261 \pm 0.01 b,B
28	0.176 \pm 0.01 c,A	0.451 \pm 0.01 c,C	0.332 \pm 0.02 c,B

Different superscript letters (a,b,c,d) indicate differences for the same product in different ripening days. Superscript capital letters (A,B,C) indicate differences between products at the same ripening day.

Table S2. CIEL*a*b* parameters of whey cheese samples. Average values and standard deviation (\pm).

L*			
Storage time (days)	C	LA5	LA5FQ4
1	86.90 \pm 1.49 a,b,B	87.23 \pm 1.79 a,B	82.00 \pm 0.35 a,A
7	82.17 \pm 2.07 a,A	87.10 \pm 3.20 a,A,B	91.17 \pm 3.20 b,B
14	83.90 \pm 3.56 a,b,A	87.00 \pm 2.76 a,A	87.13 \pm 2.37 a,b,A
21	88.00 \pm 2.82 a,b,A	86.70 \pm 0.61 a,A	87.90 \pm 2.51 a,b,A
28	89.83 \pm 0.51 b,B	90.43 \pm 1.85 a,B	84.23 \pm 2.29 a,A
a*			
Storage time (days)	C	LA5	LA5FQ4
1	-3.43 \pm 0.21 a,B	-2.57 \pm 0.23 a,A	-2.8 \pm 0.26 a,A

7	-3.07 ± 0.32 a,A	-3.50 ± 0.40 b,c,A	-2.93 ± 0.06 a,A
14	-3.20 ± 0.62 a,A	-3.77 ± 0.15 c,A	-3.13 ± 0.31 a,A
21	-2.43 ± 0.06 a,A	-2.57 ± 0.45 a,A	-2.70 ± 0.17 a,A
28	-2.70 ± 0.40 a,A	-2.63 ± 0.32 a,b,A	-3.10 ± 0.17 a,A
b*			
Storage time (days)	C	LA5	LA5FQ4
1	6.27 ± 0.55 a,A	5.80 ± 0.20 a,A	6.53 ± 1.17 a,A
7	7.83 ± 0.06 a,A,B	8.87 ± 0.80 c,B	7.50 ± 0.40 a,A
14	8.13 ± 1.95 a,A	8.80 ± 0.30 c,A	6.87 ± 0.45 a,A
21	6.77 ± 0.29 a,A	6.97 ± 0.51 a,b,A	6.77 ± 0.64 a,A
28	6.17 ± 0.15 a,A	7.30 ± 0.26 b,B	7.40 ± 0.52 a,B

Different superscript letters (a,b,c) indicate differences for the same product in different ripening days. Superscript capital letters (A,B) indicate differences between products at the same ripening day.

Table S3. Microbiological counts of whey cheese samples. Average values and standard deviation (±).

LACTOCOCCUS			
Storage time (days)	C	LA5	LA5FQ4
1	6.46 ± 0.14 a,A	8.18 ± 0.10 a,B	8.81 ± 0.03 b,C
7	7.90 ± 0.03 b,A	8.53 ± 0.21 a,B	8.08 ± 0.11 a,A
14	8.51 ± 0.34 c,A	9.47 ± 0.12 b,B	9.33 ± 0.18 c,B
21	8.71 ± 0.16 c,A	8.80 ± 0.03 a,A	9.21 ± 0.01 c,B
28	8.32 ± 0.31 b,c,A	8.21 ± 0.39 a,A	9.06 ± 0.06 b,c,B
LACTOBACILLUS			
Storage time (days)	C	LA5	LA5FQ4
1	5.49 ± 0.02 a,A	8.27 ± 0.08 a,B	8.89 ± 0.01 b,C
7	5.96 ± 0.20 a,A	8.33 ± 0.21 a,B	8.21 ± 0.26 a,B
14	7.03 ± 0.38 b,A	9.36 ± 0.20 b,B	9.19 ± 0.04 b,B
21	7.23 ± 0.53 b,A	8.44 ± 0.33 a,B	9.19 ± 0.09 b,C
28	8.43 ± 0.62 d,A	8.48 ± 0.25 a,A	9.18 ± 0.07 b,B
YEASTS AND MOULDS			
Storage time (days)	C	LA5	LA5FQ4
1	4.75 ± 0.35 a,A	5.74 ± 0.25 a,B	5.27 ± 0.24 a,b,A,B
7	4.10 ± 0.20 a,A	5.93 ± 0.40 a,B	5.73 ± 0.51 a,b,B
14	6.61 ± 0.44 b,c,A	6.24 ± 0.95 a,A	6.27 ± 0.25 b,A
21	7.46 ± 0.14 c,B	5.65 ± 0.27 a,A	5.02 ± 1.04 a,A
28	6.48 ± 0.37 b,B	6.72 ± 0.34 a,B	5.74 ± 0.30 a,b,A

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