

Table S1 – Bacterial species identification by MALDI-TOF of 47 milk samples positive to *S. microti* growth with or without other bacterial species. All milk samples presented somatic cell count (SCC) <200 x 10³ cells/mL indicative of intramammary infection.

Sample number	SCC/ml	Identified bacterial strains (colony forming unit, CFU)	MALDI-TOF score
1	1.7 x 10 ⁵	<i>Staphylococcus microti</i> (3000 CFU/mL)	2.03
2	3.5 x 10 ⁴	<i>Staphylococcus microti</i> (6000 CFU/mL)	2.02
3	4.2 x 10 ⁴	<i>Staphylococcus microti</i> (4000 CFU/mL)	2.07
4	1.6 x 10 ⁴	<i>Staphylococcus microti</i> (600 CFU/mL)	2.14
5	6.2 x 10 ⁴	<i>Staphylococcus microti</i> (2000 CFU/mL) <i>Escherichia coli</i> (500 CFU/mL)	2.08 2.23
6	8.7 x 10 ⁴	<i>Staphylococcus microti</i> (800 CFU/mL) <i>Klebsiella oxytoca</i> (500 CFU/mL) <i>Acinetobacter proteolyticus</i> (500 CFU/mL)	2.01 2.15 2.16
7	2.9 x 10 ⁴	<i>Staphylococcus microti</i> (2000 CFU/mL) <i>Citrobacter freundii</i> (1500 CFU/mL)	2.05 2.22
8	7.3 x 10 ⁴	<i>Staphylococcus microti</i> (600 CFU/mL) <i>Raoultella ornithinolyca</i> (1000 CFU/mL)	2.06 2.27
9	9.2 x 10 ⁴	<i>Staphylococcus microti</i> (3100 CFU/mL) <i>Escherichia coli</i> (500 CFU/mL) <i>Staphylococcus saprophyticus</i> (1400 CFU/mL)	2.02 2.47 1.96
10	3.7 x 10 ⁴	<i>Staphylococcus microti</i> (500 CFU/mL) <i>Aeromonas hydrophila</i> (2000 CFU/mL)	2.09 2.28
11	4.8 x 10 ⁴	<i>Staphylococcus microti</i> (1100 CFU/mL) <i>Staphylococcus xylosus</i> (500 CFU/mL) <i>Aeromonas media</i> (700 CFU/mL)	2.07 2.23 1.70
12	1.1 x 10 ⁴	<i>Staphylococcus microti</i> (2000 CFU/mL) <i>Escherichia coli</i> (500 CFU/mL) <i>Macroccoccus caseolyticus</i> (500 CFU/mL)	2.08 2.27 2.06
13	1 x 10	<i>Staphylococcus microti</i> (700 CFU/mL)	2.06
14	8 x 10 ⁴	<i>Staphylococcus microti</i> (1500 CFU/mL) <i>Aeromonas hydrophila</i> (1000 CFU/mL)	2.04 2.12
15	2.5 x 10 ⁴	<i>Staphylococcus microti</i> (1500 CFU/mL)	2.04
16	2.8 x 10 ⁴	<i>Staphylococcus microti</i> (1500 CFU/mL) <i>Aeromonas hydrophila</i> (500 CFU/mL)	2.01 2.11
17	1.1 x 10 ⁴	<i>Staphylococcus microti</i> (500 CFU/mL)	2.01
18	2.8 x 10 ⁴	<i>Staphylococcus microti</i> (1200 CFU/mL) <i>Escherichia coli</i> (1000 CFU/mL) <i>Enterococcus aquimarinus</i> (800 CFU/mL)	2.12 2.26 1.76
	5.7 x 10 ⁴	<i>Staphylococcus microti</i> (600 CFU/mL)	2.02
19	2.9 x 10 ⁴	<i>Staphylococcus microti</i> (800 CFU/mL) <i>Aerococcus viridans</i> (200 CFU/mL) <i>Enterococcus aquimarinus</i> (1500 CFU/mL)	2.08 1.80 1.84
20	1.5 x 10 ⁵	<i>Staphylococcus microti</i> (2000 CFU/mL)	2.10
21	5.8 x 10 ⁴	<i>Staphylococcus microti</i> (2000 CFU/mL)	2.01
22	6.4 x 10 ⁴	<i>Staphylococcus microti</i> (1000 CFU/mL)	2.01

23	1.5 × 10 ⁵	<i>Staphylococcus microti</i> (900 CFU/mL) <i>Aerococcus viridans</i> (600 CFU/mL) <i>Lactococcus lactis</i> (100 CFU/mL)	2.10 1.96 2.00
24	3.1 × 10 ⁴	<i>Staphylococcus microti</i> (1000 CFU/mL) <i>Escherichia coli</i> (200 CFU/mL) <i>Streptococcus uberis</i> (700 CFU/mL)	2.12 2.29 2.11
25	1 × 10 ⁴	<i>Staphylococcus microti</i> (600 CFU/mL)	2.04
26	1.1 × 10 ⁵	<i>Staphylococcus microti</i> (500 CFU/mL) <i>Escherichia coli</i> (2500 CFU/mL) <i>Aerococcus viridans</i> (100 CFU/mL)	2.09 2.13 1.80
27	4.8 × 10 ⁴	<i>Staphylococcus microti</i> (500 CFU/mL) <i>Staphylococcus epidermidis</i> (500 CFU/mL)	2.07 2.19
28	5.1 × 10 ⁴	<i>Staphylococcus microti</i> (600 CFU/mL)	2.01
29	1.4 × 10 ⁵	<i>Staphylococcus microti</i> (800 CFU/mL) <i>Microbacterium oxydans</i> (400 CFU/mL)	2.08 2.03
30	2.6 × 10 ⁴	<i>Staphylococcus microti</i> (1000 CFU/mL) <i>Staphylococcus sciuri</i> (1200 CFU/mL) <i>Aerococcus viridans</i> (800 CFU/mL)	2.01 2.12 1.99
31	7.2 × 10 ⁴	<i>Staphylococcus microti</i> (16000 CFU/mL) <i>Bacillus licheniformis</i> (1100 CFU/mL) <i>Macroccoccus caseolyticus</i> (1100 CFU/mL)	2.06 1.99 2.01
32	1.1 × 10 ⁵	<i>Staphylococcus microti</i> (800 CFU/mL) <i>Escherichia coli</i> (1400 CFU/mL) <i>Acinetobacter townneri</i> (300 CFU/mL)	2.06 2.24 1.99
33	5.1 × 10 ⁴	<i>Staphylococcus microti</i> (1100 CFU/mL) <i>Staphylococcus chromogenes</i> (600 CFU/mL) <i>Lactococcus lactis</i> (1300 CFU/mL)	2.01 2.11 1.87
34	1.5 × 10 ⁴	<i>Staphylococcus microti</i> (1000 CFU/mL) <i>Staphylococcus chromogenes</i> (800 CFU/mL) <i>Aerococcus viridans</i> (1000 CFU/mL)	2.08 2.10 1.99
35	8.1 × 10 ⁴	<i>Staphylococcus microti</i> (500 CFU/mL) <i>Bacillus licheniformis</i> (800 CFU/mL) <i>Aerococcus viridans</i> (2900 CFU/mL)	2.02 2.01 1.98
36	2.2 × 10 ⁴	<i>Staphylococcus microti</i> (1600 CFU/mL) <i>Aerococcus viridans</i> (1800 CFU/mL)	2.08 2.11
37	3.9 × 10 ⁴	<i>Staphylococcus microti</i> (2000 CFU/mL) <i>Bacillus licheniformis</i> (1200 CFU/mL) <i>Aerococcus viridans</i> (1200 CFU/mL)	2.08 1.99 2.12
38	9.6 × 10 ⁴	<i>Staphylococcus microti</i> (2500 CFU/mL) <i>Bacillus licheniformis</i> (200 CFU/mL)	2.12 2.01
39	2.8 × 10 ⁴	<i>Staphylococcus microti</i> (1200 CFU/mL) <i>Escherichia coli</i> (500 CFU/mL) <i>Bacillus licheniformis</i> (200 CFU/mL)	2.12 2.12 2.01
40	1.5 × 10 ⁴	<i>Staphylococcus microti</i> (1200 CFU/mL) <i>Streptococcus uberis</i> (600 CFU/mL) <i>Acinetobacter indicus</i> (200 CFU/mL)	2.08 2.23 1.77
41	6.6 × 10 ⁴	<i>Staphylococcus microti</i> (2400 CFU/mL) <i>Acinetobacter indicus</i> (500 CFU/mL) <i>Bacillus licheniformis</i> (1700 CFU/mL)	2.02 1.77 1.88
42	1.1 × 10 ⁵	<i>Staphylococcus microti</i> (700 CFU/mL) <i>Aerococcus viridans</i> (4300 CFU/mL) <i>Escherichia coli</i> (800 CFU/mL)	2.09 2.03 2.24

43	1.6×10^5	<i>Staphylococcus microti</i> (800 CFU/mL) <i>Escherichia coli</i> (7000 CFU/mL)	1.90 2.19
44	8.4×10^4	<i>Staphylococcus microti</i> (1000 CFU/mL) <i>Escherichia coli</i> (2000 CFU/mL)	2.20 2.25
45	1.6×10^5	<i>Staphylococcus microti</i> (600 CFU/mL) <i>Aerococcus viridans</i> (1100 CFU/mL)	1.95 1.98
46	3.3×10^4	<i>Staphylococcus microti</i> (200 CFU/mL) <i>Escherichia coli</i> (300 CFU/mL) <i>Aerococcus viridans</i> (900 CFU/mL)	2.09 2.24 1.88
47	1.2×10^5	<i>Staphylococcus microti</i> (30000 CFU/mL) <i>Aerococcus viridans</i> (600 CFU/mL)	2.05 2.09