

Table S1. Total species identified in raw unpreserved milk sample using MALDI-TOF MS.

Batch 1		Batch 2		Batch 3		Batch 4	
Organism name	Count	Organism name	Count	Organism name	Count	Organism name	Count
<i>Chryseobacterium vrystaatense</i>	28	<i>Lactococcus lactis</i>	25	<i>Lactococcus garvieae</i>	16	<i>Lactococcus lactis</i>	14
<i>Serratia liquefaciens</i>	18	<i>Acinetobacter johnsonii</i>	12	<i>Lactococcus lactis</i>	11	<i>Lactococcus garvieae</i>	10
<i>Lactococcus lactis</i>	10	<i>Enterococcus faecalis</i>	12	<i>Chryseobacterium joostei</i>	7	<i>Acinetobacter johnsonii</i>	6
<i>Rhodococcus erythropolis</i>	10	<i>Chryseobacterium vrystaatense</i>	5	<i>Enterobacter cloacae</i>	7	<i>Enterococcus faecalis</i>	6
<i>Acinetobacter johnsonii</i>	8	<i>Enterobacter cloacae</i>	3	<i>Klebsiella pneumoniae</i>	4	<i>Macrococcus caseolyticus</i>	3
<i>Corynebacterium phoceense</i>	6	<i>Microbacterium liquefaciens</i>	3	<i>Acinetobacter johnsonii</i>	3	<i>Microbacterium liquefaciens</i>	3
<i>Ochrobactrum grignonense</i>	5	<i>Aquamicrobium lusatiense</i>	2	<i>Raoultella ornithinolytica</i>	3	<i>Stenotrophomonas maltophilia</i>	3
<i>Acinetobacter guillouiae</i>	4	<i>Corynebacterium xerosis</i>	2	<i>Enterobacter asburiae</i>	2	<i>Enterobacter cloacae</i>	2
<i>Aerococcus viridans</i>	4	<i>Microvirgula aerodenitrificans</i>	2	<i>Enterococcus faecalis</i>	2	<i>Microbacterium maritypicum</i>	2
<i>Alcaligenes faecalis</i>	4	<i>Raoultella ornithinolytica</i>	2	<i>Macrococcus caseolyticus</i>	2	<i>Acinetobacter baumannii</i>	1
<i>Microbacterium maritypicum</i>	4	<i>Aerococcus viridans</i>	1	<i>Pseudomonas putida</i>	2	<i>Aquamicrobium lusatiense</i>	1
<i>Brachybacterium nesterenkovi</i>	3	<i>Chryseobacterium oncorhynchi</i>	1	<i>Chryseobacterium spp</i>	1	<i>Enterobacter bugandensis</i>	1
<i>Corynebacterium casei</i>	3	<i>Corynebacterium casei</i>	1	<i>Chryseobacterium tractae</i>	1	<i>Enterobacter ludwigii</i>	1
<i>Eriwinia spp. *</i>	3	<i>Enterobacter asburiae</i>	1	<i>Citrobacter braakii</i>	1	<i>Enterobacter spp. *</i>	1
<i>Corynebacterium xerosis</i>	2	<i>Lactobacillus curvatus</i>	1	<i>Corynebacterium casei</i>	1	<i>Klebsiella oxytoca</i>	1
<i>Klebsiella oxytoca</i>	2	<i>Moraxella osloensis</i>	1	<i>Corynebacterium spp. *</i>	1	<i>Moraxella osloensis</i>	1
<i>Pseudoclavibacter helvolus</i>	2	<i>Staphylococcus haemolyticus</i>	1	<i>Corynebacterium variabile</i>	1	<i>Raoultella ornithinolytica</i>	1
<i>Pseudomonas oleovorans</i>	2	<i>Staphylococcus hominis</i>	1	<i>Enterobacter bugandensis</i>	1	<i>Rhodococcus erythropolis</i>	1
<i>Pseudomonas spp. *</i>	2			<i>Enterobacter hormaechei</i>	1		
<i>Raoultella ornithinolytica</i>	2			<i>Flavobacterium lindanitolerans</i>	1		
<i>Acinetobacter lwoffii</i>	1			<i>Klebsiella oxytoca</i>	1		
<i>Chryseobacterium rhizosphaerae</i>	1			<i>Microbacterium maritypicum</i>	1		
<i>Corynebacterium glutamicum</i>	1			<i>Pseudomonas spp. *</i>	1		
<i>Enterobacter cloacae</i>	1			<i>Rothia endophytica</i>	1		
<i>Massilia timonae</i>	1			<i>Sphingobacterium multivorum</i>	1		
<i>Microbacterium liquefaciens</i>	1			<i>Sphingobacterium spiritivorum</i>	1		
<i>Micrococcus luteus</i>	1			<i>Sphingobacterium spp. *</i>	1		
<i>Pseudomonas stutzeri</i>	1			<i>Stenotrophomonas maltophilia</i>	1		
<i>Rhodococcus baikonurensis</i>	1			<i>Stenotrophomonas spp.</i>	1		

* the isolates were identified to the genus level.

Table S2. Total species identified in preserved milk using MALDI-TOF MS.

Batch 1		Batch 2		Batch 3		Batch 4	
Organism name	Count	Organism name	Count	Organism name	Count	Organism name	Count
<i>Chryseobacterium vrystaatense</i>	47	<i>Lactococcus lactis</i>	21	<i>Lactococcus lactis</i>	19	<i>Lactococcus lactis</i>	15
<i>Lactococcus lactis</i>	21	<i>Enterococcus faecalis</i>	11	<i>Lactococcus garvieae</i>	12	<i>Lactococcus garvieae</i>	10
<i>Serratia liquefaciens</i>	16	<i>Acinetobacter johnsonii</i>	4	<i>Chryseobacterium joostei</i>	3	<i>Macrococcus caseolyticus</i>	10
<i>Acinetobacter johnsonii</i>	7	<i>Chryseobacterium joostei</i>	3	<i>Macrococcus caseolyticus</i>	3	<i>Enterococcus faecalis</i>	8
<i>Microbacterium maritypicum</i>	6	<i>Chryseobacterium vrystaatense</i>	3	<i>Acinetobacter guillouiae</i>	2	<i>Acinetobacter johnsonii</i>	2
<i>Corynebacterium casei</i>	3	<i>Aerococcus viridans</i>	1	<i>Enterobacter bugandensis</i>	2	<i>Microbacterium maritypicum</i>	2
<i>Corynebacterium phoceense</i>	3	<i>Apiotrichum loubieri</i>	1	<i>Enterobacter cloacae</i>	2	<i>Stenotrophomonas maltophilia</i>	2
<i>Acinetobacter guillouiae</i>	2	<i>Aquamicrobium lusatiense</i>	1	<i>Enterococcus faecalis</i>	1	<i>Acetobacter cibirongensis</i>	1
<i>Aerococcus viridans</i>	2	<i>Chryseobacterium ureilyticum</i>	1	<i>Staphylococcus succinus</i>	1	<i>Enterobacter cloacae</i>	1
<i>Alcaligenes faecalis</i>	2	<i>Corynebacterium spp. *</i>	1	<i>Stenotrphomonas maltophilia</i>	1	<i>Enterobacter spp. *</i>	1
<i>Chryseobacterium indoltheticum</i>	2	<i>Enterobacter bugandensis</i>	1			<i>Escherichia coli</i>	1
<i>Corynebacterium confusum</i>	2	<i>Enterococcus italicus</i>	1			<i>Microbacterium liquefaciens</i>	1
<i>Klebsiella oxytoca</i>	2	<i>Lactobacillus curvatus</i>	1			<i>Raoultella ornithinolytica</i>	1
<i>Lactobacillus fructivorans</i>	2	<i>Lactococcus garvieae</i>	1			<i>Raoultella terrigena</i>	1
<i>Ochrobactrum grignonense</i>	2	<i>Macrococcus caseolyticus</i>	1				
<i>Carnobacterium maltaromaticum</i>	1	<i>Microbacterium liquefaciens</i>	1				
<i>Corynebacterium frankenforstense</i>	1	<i>Microbacterium maritypicum</i>	1				
<i>Corynebacterium glutamicum</i>	1	<i>Microbacterium oxydans</i>	1				
<i>Enterobacter cloacae</i>	1	<i>Microvirgula aerodenitrificans</i>	1				
<i>Erwinia spp. *</i>	1	<i>Rhodococcus erythropolis</i>	1				
<i>Ochrobactrum spp. *</i>	1						
<i>Pseudomonas spp. *</i>	1						
<i>Raoultella spp. *</i>	1						
<i>Sphingobacterium multivorum</i>	1						
<i>Stenotrophomonas maltophilia</i>	1						
<i>Streptococcus parauberis</i>	1						

* the isolates were identified to the genus level.

