

Supplementary Table 1. Relative abundance of the predominant phyla and genera on 0 hour colostrum (relative abundance $\geq 1\%$)

Taxonomy	Holstein (%)	Jersey (%)
<i>Phyla</i>		
<i>Actinobacteria</i>	10.19 \pm 0.08	15.66 \pm 0.17
<i>Firmicutes</i>	32.40 \pm 0.26	26.20 \pm 0.22
<i>Bacteroidota</i>	11.19 \pm 0.15	6.44 \pm 0.04
<i>Deinococcus-Thermus</i>	3.02 \pm 0.07	< 1
<i>Proteobacteria</i>	40.28 \pm 0.17	46.47 \pm 0.30
<i>Genera</i>		
<i>Staphylococcus</i>	12.40 \pm 0.18	4.95 \pm 0.04
<i>Stenotrophomonas</i>	2.08 \pm 0.03	14.02 \pm 0.24
<i>Escherichia</i>	5.08 \pm 0.06	9.25 \pm 0.12
<i>Pseudomonas</i>	5.74 \pm 0.07	6.80 \pm 0.11
<i>Acinetobacter</i>	8.80 \pm 0.07	2.31 \pm 0.02
<i>Moraxella</i>	8.16 \pm 0.19	2.10 \pm 0.03
<i>Kocuria</i>	< 1%	9.31 \pm 0.14
<i>Streptococcus</i>	6.12 \pm 0.16	< 1
<i>Corynebacterium</i>	1.74 \pm 0.02	2.55 \pm 0.01
<i>Enterococcus</i>	1.91 \pm 0.05	2.06 \pm 0.01
<i>Enterobacter</i>	< 1%	3.80 \pm 0.07
<i>Deinococcus</i>	2.74 \pm 0.07	< 1
<i>Romboutsia</i>	1.16 \pm 0.01	1.85 \pm 0.02
<i>Rhodococcus</i>	2.48 \pm 0.06	ND
<i>Chryseobacterium</i>	2.17 \pm 0.05	ND
<i>Sphingobacterium</i>	1.92 \pm 0.03	< 1

Value are presented as averages \pm standard deviation.
 ND, not detected.