

Supplementary Table 2. Relative abundance of the predominant phyla and genera on 12 hours colostrum (relative abundance $\geq 1\%$)

Taxonomy	Holstein (%)	Jersey (%)
<i>Phyla</i>		
<i>Actinobacteria</i>	10.99 \pm 0.05	9.51 \pm 0.08
<i>Firmicutes</i>	21.73 \pm 0.17	27.26 \pm 0.36
<i>Bacteroidetes</i>	26.54 \pm 0.10	16.27 \pm 0.13
<i>Bdellovibrionota</i>	< 1	1.81 \pm 0.02
<i>Proteobacteria</i>	36.37 \pm 0.14	41.04 \pm 0.11
<i>Genera</i>		
<i>Enterococcus</i>	< 1	19.80 \pm 0.33
<i>Pseudomonas</i>	7.51 \pm 0.07	9.29 \pm 0.06
<i>Chryseobacterium</i>	11.77 \pm 0.08	4.02 \pm 0.03
<i>Acinetobacter</i>	6.13 \pm 0.04	7.69 \pm 0.06
<i>Rhodococcus</i>	5.23 \pm 0.04	3.98 \pm 0.04
<i>Sphingobacterium</i>	5.23 \pm 0.05	3.28 \pm 0.03
<i>Dokdonella</i>	2.03 \pm 0.02	3.66 \pm 0.03
<i>Streptococcus</i>	5.56 \pm 0.14	< 1
<i>Staphylococcus</i>	5.08 \pm 0.07	< 1
<i>Aquamicrobium</i>	1.29 \pm 0.02	3.76 \pm 0.04
<i>Brevundimonas</i>	1.58 \pm 0.02	3.29 \pm 0.04
<i>Lactococcus</i>	1.42 \pm 0.03	3.38 \pm 0.05
<i>Taishania</i>	< 1	3.87 \pm 0.04
<i>Flavobacterium</i>	3.72 \pm 0.03	< 1
<i>Delftia</i>	1.97 \pm 0.02	1.36 \pm 0.02
<i>Stenotrophomonas</i>	1.17 \pm 0.01	1.67 \pm 0.01
<i>Micropruina</i>	< 1	1.82 \pm 0.03
<i>Luteibacter</i>	2.07 \pm 0.02	< 1
<i>Bacillus</i>	2.02 \pm 0.05	< 1

Value are presented as averages \pm standard deviation.