

## Supplementary Materials

**Table S1.** Species identified by the laboratory (LABO) and veterinarians (VETS), and agreement between them.

| Species                             | LAB<br>O | VET<br>S | % cultures identified by<br>veterinarians that are also<br>identified by the laboratory | % cultures identified by the<br>Laboratory that are also identified<br>by the veterinarians |
|-------------------------------------|----------|----------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <i>Citrobacter koseri</i>           | 1        |          |                                                                                         | 0.0%                                                                                        |
| <i>Escherichia coli</i>             | 17       | 15       | 66.7%                                                                                   | 58.8%                                                                                       |
| <i>Klebsiella pneumoniae</i>        | 6        | 10       | 60.0%                                                                                   | 100.0%                                                                                      |
| <i>Psychrobacter sanguinis</i>      | 1        |          |                                                                                         | 0.0%                                                                                        |
| <i>Serratia</i> spp                 | 2        |          |                                                                                         | 0.0%                                                                                        |
| <i>Pantoea agglomerans</i>          | 1        |          |                                                                                         | 0.0%                                                                                        |
| <i>Enterobacter</i> spp             |          | 1        | 0.0%                                                                                    |                                                                                             |
| <i>Staphylococcus aureus</i>        | 7        | 10       | 30.0%                                                                                   | 42.9%                                                                                       |
| <i>Staphylococcus</i> spp.          | 1        |          |                                                                                         | 100.0%                                                                                      |
| <i>Staphylococcus epidermidis</i>   | 2        |          |                                                                                         | 50.0%                                                                                       |
| <i>Staphylococcus haemolyticus</i>  | 5        |          |                                                                                         | 80.0%                                                                                       |
| <i>Staphylococcus lentus</i>        | 1        |          |                                                                                         | 0.0%                                                                                        |
| <i>Staphylococcus sciuri</i>        | 2        |          |                                                                                         | 50.0%                                                                                       |
| <i>Staphylococcus simulans</i>      | 4        |          |                                                                                         | 25.0%                                                                                       |
| <i>Staphylococcus succinus</i>      | 1        |          |                                                                                         | 0.0%                                                                                        |
| <i>Staphylococcus xylosus</i>       | 1        |          |                                                                                         | 0.0%                                                                                        |
| <b>Non-aureus staphylococci</b>     |          | 13       | 53.8%                                                                                   |                                                                                             |
| <i>Streptococcus agalactiae</i>     | 5        | 2        | 100.0%                                                                                  | 40.0%                                                                                       |
| <i>Streptococcus dysgalactiae</i>   | 10       | 7        | 71.4%                                                                                   | 50.0%                                                                                       |
| <i>Streptococcus uberis</i>         | 57       | 44       | 73.3%                                                                                   | 57.1%                                                                                       |
| <i>Trueperella pyogenes</i>         | 7        | 2        | 100.0%                                                                                  | 28.6%                                                                                       |
| <i>Corynebacterium bovis</i>        | 2        | 1        | 0.0%                                                                                    | 0.0%                                                                                        |
| <i>Enterococcus saccharolyticus</i> | 1        | 1        | 0.0%                                                                                    | 0.0%                                                                                        |
| <i>Bacillus</i> spp                 | 1        |          | 0.0%                                                                                    | 0.0%                                                                                        |
| <i>Micrococcus</i>                  |          | 1        | 0.0%                                                                                    |                                                                                             |
| <i>Candida</i> spp                  |          | 4        | 0.0%                                                                                    |                                                                                             |
| Mixed infection                     | 10       | 14       | 14.3%                                                                                   | 20.0%                                                                                       |
| No growth                           | 12       | 13       | 30.8%                                                                                   | 33.3%                                                                                       |
| <b>Contaminated</b>                 | 17       | 6        | 33.3%                                                                                   | 11.8%                                                                                       |

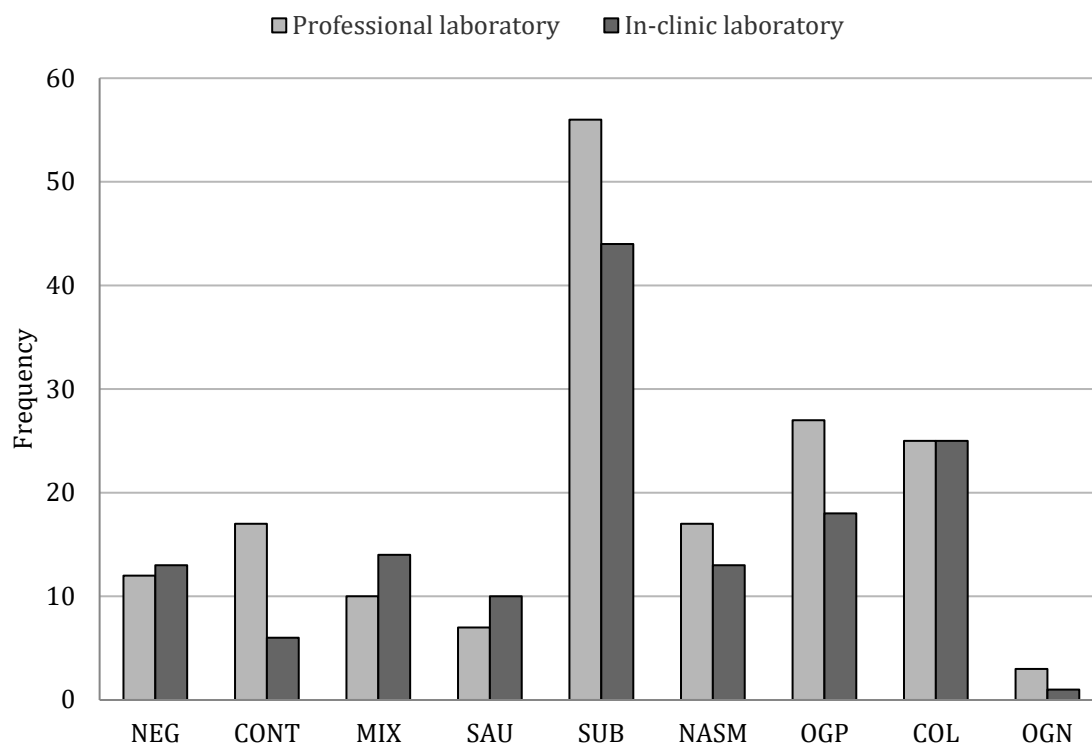


**Figure S1.** Categories of bacterial species identified by the professional laboratory and in-clinic milk testing services. COL: coliform organisms; CONT: contaminated culture; MIX: mixed culture; NASM: non-aureus staphylococci and mammaliicocci; NEG: negative culture; OGN: other Gram-negative organism; OGP: other Gram-positive organisms; SAU: *S. aureus*; SUB: *Str. uberis*.