**SUPPLEMENTAL TABLE 1.** Microbiological characterization of isolates from Own Mother Milk (OMM), Donor (DM) and Formula Milks (FM) after their pass through enteral feeding tubes, used to feed the preterm neonates of this study.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **OMM (N = 85)** | **DM (N = 35)** | **FM (N = 15)** |  |
| **Microorganism** | **n (%)** | **Microbial Countsa** | **n (%)** | **Microbial Countsa** | **n (%)** | **Microbial Countsa** |  ***P* b** | ***P* c** |
| *Bifidobacterium* | 2 (2) | 5.68 (2.65-8.70)d | 0 (0) | - | 0 (0) | - | - | - |
| *Enterococcus* | 53 (61) | 5.03 (4.63; 5.43) | 17 (49) | 3.68 (3.00; 4.37) | 4 (27) | 3.88 (0.96; 6.81) | 0.040 | 0.004 |
| *Lactobacillus* | 14 (16) | 4.07 (3.54-5.30)d | 2 (6) | 6.13 (5.08-7.18)d | 2 (13) | 2.67 (1.70-3.64)d | 0.760 | 0.360\* |
| *Staphylococcus* | 78 (93) | 4.82 (4.30-5.30)d | 13 (37) | 2.94 (2.17; 3.71) | 2 (11) | 2.30 (2.00-2.60)d | <0.001 | <0.001 |
| *Streptococcus* | 5 (6) | 4.21 (3.37; 5.04) | 2 (6) | 5.46 (3.78-7.14)d | 3 (20) | 5.35 (3.42; 7.27) | 0.150 | 0.300 |
| Other G+e | 16 (19) | 3.42 (2.75; 4.09) | 5 (14) | 2.38 (1.60; 3.15) | 1 (7) | 3.93 | 0.470 | 0.200\* |
| *Escherichia* | 10 (12) | 3.46 (2.90; 4.02) | 1 (3) | 2.00 | 1 (7) | 2.30 | 0.350 | 0.150 |
| *Klebsiella* | 20 (24) | 4.27 (3.63; 4.90) | 8 (23) | 4.20 (2.89; 5.50) | 2 (13) | 5.30 (4.56-6.04)d | 0.680 | 0.590 |
| *Serratia* | 45 (52) | 5.58 (5.14; 6.02) | 10 (29) | 4.59 (3.67; 5.52) | 4 (27) | 4.23 (1.56; 6.89) | 0.030 | 0.050 |
| Other G-f | 32 (26) | 4.86 (4.36; 5.37) | 5 (14) | 4.90 (2.09; 7.71) | 1 (7) | 3.30 | 0.005 | 0.600 |
| Yeast | 5 (6) | 3.59 (2.72; 4.47) | 1 (3) | 4.23 | 0 (0) | - | 0.840 | 0.460 |

N, number of total samples

n, number of positive samples

aMicrobial counts (LOG CFU/mL) expressed as mean (95% CI).

bFisher test was used to analyzed the frequency data

cANOVA or KW(\*) were used to analyzed the microbial counts data

dMedian (IQR)

eOther Gram-positive bacteria included the following genera: *Bacillus, Chryseobacterium, Corynebacterium, Elisabethkingia, Gemella, Kocuria, Leuconostoc, Microbacterium, Micrococcus, Pediococcus, Propionibacterium, Rathayibacter, Rothia* and *Wautersiella.*

fOther Gram-negative bacteria included the following genera: *Acinetobacter, Agrobacterium, Brevundimonas, Enterobacter, Erwinia, Moraxella, Pantoea, Pseudomonas, Proteus, Raoultella, Shigella, Stenotrophomonas* and *Xanthomonas.*