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| **Table S8: Predicted metabolic pathways in human milk and neonate stool microbiotas by PICRUSt.** |
| **Group** | **Feature** | **Differences between means** | ***p*-value** | ***q*-value** |
| Energymetabolism  | Galactose metabolism  | 1.621 | 7.90 e-5 | 5.29 e-4 |
| Pentose phosphate pathway  | 0.582 | 2.96 e-7 | 6.48 e-6 |
| Amino acid related enzymes | 1.121 | 4.24 e-3 | 1.40 e-2 |
| Fatty acids metabolism | -4.895 | 1.52 e-5 | 1.46 e-4 |
| Peroxisome  | -8.136 | 9.85 e-4 | 4.09 e-3 |
| PPAR pathway | -7.919 | 2.39 e-7 | 5.59 e-6 |
| Vitamin B6 metabolism | 0.559 | 7.24 e-6 | 8.19 e-5 |
| Colonization  | Bacterial chemiotaxis  | 1.401 | 1.40 e-3 | 5.45 e-3 |
| Bacterial secretion system  | -0.913 | 9.70 e-5 | 6.12 e-4 |
| Immune Function  | Antigen processing and presentation  | 4.696 | 1.11 e-3 | 4.54 e-3 |
| *p*-values were corrected by Benjamini-Hochberg method and generated the FDR value (*q-*value). *p* < 0.05 and *q* < 0.05 are considered statistically significant. |