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| **Table S7: Absolute read counts of bacterial taxa shared in human milk and neonatal stool samples.** |
| **Taxonomy** | **Absolute counts\*** |
| **Phylum** | **Order** | **Family** | **Genus/species** | **Human milk** | **Neonatal stool** |
| Actinobacteria | Bifidobacteriales  | Bifidobaceriaceae | *Bifidobacterium* | 3,428 | 198,361 |
| Coriobacteriales | Coriobacteriaceae | *Collinsella aerofaciens* | 2,596 | 28,892 |
| Actinomycetales | Propionibacteriaceae | *Propionibacterium acnes* | 131,657 | 101,193 |
| Actinomycetales | Corynebacteriaceae | *Corynebacterium* | 13,556 | 7,613 |
| Actinomycetales | n. i. | n. i. | 17,946 | 11,953 |
| Bacteroidetes | Bacteroidales | Bacteroidaceae | *Bacteroides* | 680 | 228,979 |
| Firmicutes | Bacillales | Staphylococcaceae | *Staphylococcus* | 801,723 | 172,033 |
| Lactobacillales | Streptococcaceae | *Streptococcus* | 26,512 | 91,504 |
| Lactobacillales | Streptococcaceae | *Lactococcus* | 30,026 | 13,295 |
| Lactobacillales | Enterococcaceae | *Enterococcus* | 3,738 | 168,373 |
| Clostridiales | Lachnospiraceae | n. i. | 15,703 | 19,118 |
| Clostridiales | Clostridiaceae | *Clostridium gasigenes* | 2,045 | 482,696 |
| Clostridiales | Clostridiaceae | n. i. | 4,892 | 466,272 |
| Clostridiales | Ruminococcaceae | *Faecalibacterium prausnitzii* | 9,471 | 9,462 |
| Clostridiales | n. i. | n. i. | 3,071 | 7,649 |
| Proteobacteria | Pseudomonadaceae | Pseudomonadaceae | n. i. | 71,337 | 1’228,144 |
| Pseudomonadales | Pseudomonadaceae | *Pseudomonas* | 38,267 | 1,054 |
| Pseudomonadales | Moraxellaceae | *Acinetobacter iwoffii* | 1,027 | 2,641 |
| Rhizobiales | Bradyrhizobiaceae | n. i. | 107,385 | 19,007 |
| Rhizobiales | Phyllobacteriaceae | n. i. | 45,666 | 5,255 |
| Rhizobiales | Methylobacteriaceae | *Methylobacterium* | 35,491 | 7,469 |
| Sphingomonadales | Sphingomonadaceae | *Kaistobacter* | 183,502 | 33,759 |
| Rhodobacterales | Rhodobacteraceae | *Paracoccus marcusii* | 69,274 | 4,451 |
| Enterobacteriales | Enterobacteriaceae | n. i. | 5,253 | 53,701 |
| Chromatiales | Chromatiaceae | n. i. | 594 | 3,544 |
| n. i., not identified taxa. \*absolute counts of taxa shared in at least 50% of all samples in each group (human milk and neonate stool). |