## Supplementary Tables and Figures

Table S1: Reaction Volumes per Well

| **Component** | **Per well (tot vol 15µl per rxn)** | **Per well (tot vol 15µl per rxn)** | **Per well (tot vol 15µl per rxn)** | **Per well (tot vol 15µl per rxn)** |
|---|---|---|---|---|
| **Primer concentration** | **300 nM** | **1 µM** | **5µM** | **12.5 µM** |
| SYBR green[1] | 7.5 µl | 7.5 µl | 7.5 µl | 7.5 µl |
| Forward Primer[2] | 0.045 µl | 0.155 µl | 0.75 µl | 1.9 µl |
| Reverse Primer | 0.045 µl | 0.155 µl | 0.75 µl | 1.9 µl |
| 5ng Genomic DNA (samples) | 2 µl | 2 µl | 2 µl | 2 µl |
| DNA-Free Water[2] | 5.4 µl | 5.2 µl | 4 µl | 1.7 µl |
| **Total** | **15 µl** | **15 µl** | **15 µl** | **15 µl** |

[1]Applied Biosystems (Foster City, CA); [2]IDT (Coralville, IA)

Table S2: Conditions for qPCR

| | B. Breve | | Remaining Primers | |
|---|---|---|---|---|
| Cycles | Temperature (C) | Time | Temperature (C) | Time |
| 1x | 94 | 30 sec | 50 | 2 min |
| 40x | 94 | 30 sec | 95 | 10 min |
| | 55 | 1 min | 95 | 45 sec |
| | 68 | 30 sec | **X**[1] | 45 sec |
| 1x | 68 | 5 min | 72 | 45 sec |
| | 4 | HOLD | 4 | HOLD |

[1]Where X is the primer-dependent annealing temperature

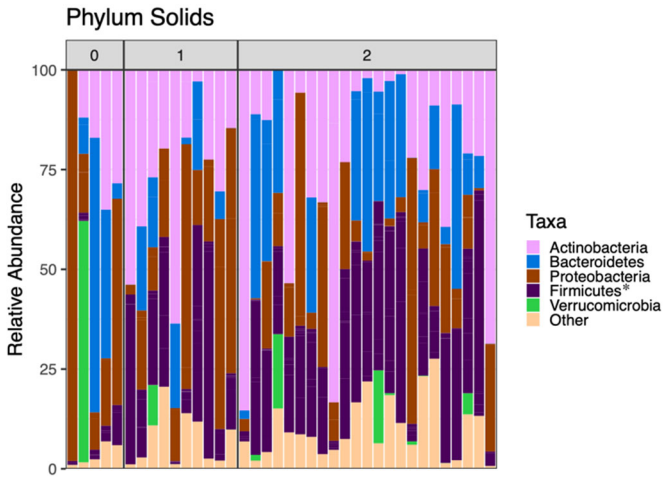


Figure S1: Phyla bar charts according to solid food intake, where 0 represents an infant consuming no solids, 1 represents and infant consuming little solids, and 2 represents and infant consuming some solids.

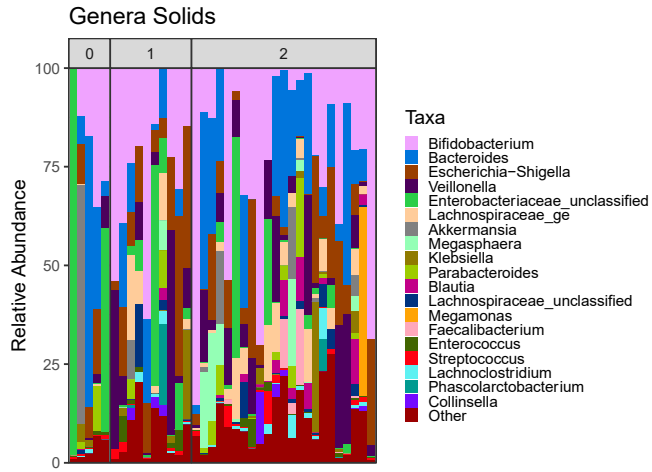


Figure S2: Genera bar charts according to solid food intake, where 0 represents an infant consuming no solids, 1 represents and infant consuming little solids, and 2 represents and infant consuming some solids.

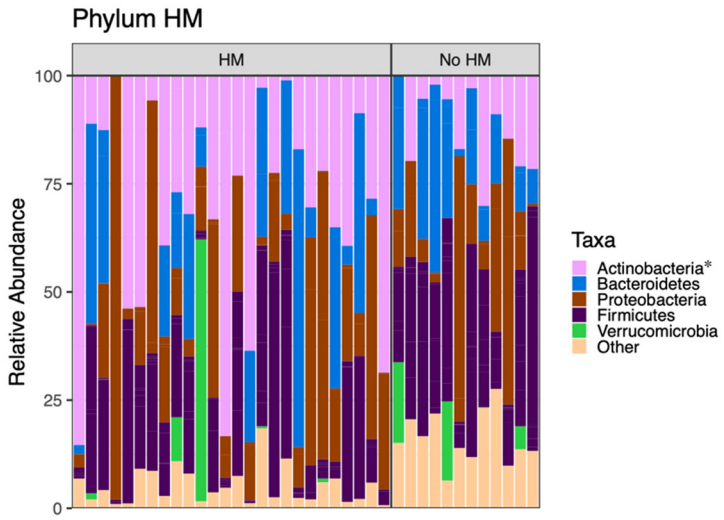


Figure S3: Phyla bar charts according to human milk intake. Infants receiving any human milk tended to have a higher abundance of Actinobacteria than those receiving no human milk at all (p=0.088).

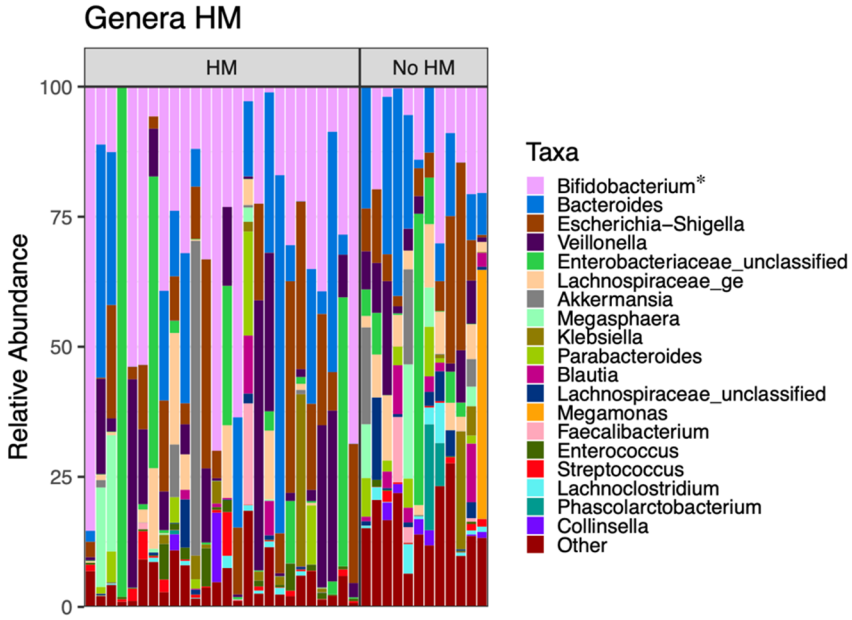


Figure S4: Genera bar charts according to human milk intake. Infants receiving any human milk tended to have a higher abundance of Bifidobacterium than those receiving no human milk at all (p=0.087).