**Table S1. PERMANOVA analysis used to evaluate microbial community differences of infant gut at 3-4 months due to pet exposures following different birth scenarios.**

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| **Birth Scenarios** | **Pesudo F** | **P-value** |
| Vaginal, IAP- | 1.27 | 0.07 |
| Vaginal, IAP+ | 0.93 | 0.60 |
| Scheduled CS | 0.99 | 0.50 |
| Caesarean-Emergency | 2.02 | 0.001 |