**Table S3.** HOMOVA and AMOVA tests to determine quantitative microbiota community differences at genus and species OTUs between aerobic and anaerobic sample transport groups based on differing beta diversity coefficients (no statistical difference was reported, P > 0.05).

|  |  |  |
| --- | --- | --- |
| **Beta diversity coefficients** | **Genus** | **Species** |
| **HOMOVA** | **AMOVA** | **HOMOVA** | **AMOVA** |
| **Thetan** | **1.000** | **0.681** | **1.000** | **0.864** |
| **Sorabund** | **1.000** | **0.604** | **1.000** | **0.809** |
| **Morisita–Horn** | **1.000** | **0.870** | **1.000** | **0.863** |
| **Thetayc** | **1.000** | **0.979** | **1.000** | **0.977** |
| **Bray-Curtis** | **1.000** | **0.221** | **1.000** | **0.308** |
| **Jclass** | **1.000** | **0.980** | **1.000** | **1.000** |
| **Lennon** | **1.000** | **0.716** | **1.000** | **0.801** |