

**Supplemental Table ST5. F-Statistic and confidence intervals for Shannon's Diversity for Bacterial Class.** Upper and lower Bounds for the F-Statistic found for differences in Shannon's Diversity between sample types for the top nine most abundant bacterial classes.

<b>Class</b>	<b>LowerBound</b>	<b>UpperBound</b>	<b>F statistic</b>
Bacilli	24.22906	69.92394	44.79578
Solibacteres	45.07979	104.622	76.01229
Acidobacteria	53.17106	101.2771	76.60552
Sphingobacteria	64.22925	129.2719	93.83503
Gammaproteobacteria	82.08635	157.0187	117.9769
Alphaproteobacteria	194.5562	304.0301	247.6426
Betaproteobacteria	203.7225	327.171	265.1303
Deltaproteobacteria	328.2457	493.3435	412.0767
Actinobacteria	697.0528	1077.342	862.1564