Species Richness Observed Shannon Simpson 2.5 **-**Alpha Diversity Measure 0.75 -2.0 -15 **-**Group1 1.5 -All Brain 0.50 -10 -All Ligature 1.0 -0.25 -5 -0.5 - All Ligature All Brain All Brain All Brain All Ligature All Ligature Group1