



Figure 3 - figure supplement 2. Quantifying the relative strength of universal versus individualized dynamics. Panel (A) shows observed (y), population mean (m), and host residual dynamics ($e = y - m$) for a single hypothetical host with three ASVs. The fourth matrix shows a simulated case where host-level and population-level mean dynamics are added in equal proportions ($0.5 m + 0.5 e$) to approximate y. We estimate the proportion host- versus individual-level signal as the combination of mean and residual which best approximates y. Panel (B) shows the results of this procedure applied to the Amboseli data, giving a per-host estimate of population-level contribution to the observed CLR ASV-ASV correlations.