

Supplementary Figure 3 | Principal Components Analysis (PCA) based on the alpha diversity metrics.

The two principal components that explain the greatest variation between assemblies are shown for the three datasets; the PCA was produced with the correlation matrix of all the alpha diversity estimators. The assemblies are colored based on the sequencing depth of the input: in green the assemblies from the 0.05M dataset, in blue the ones of the 0.5M and in black the 5M dataset. The length and direction of the arrows represent the coordinates of the assembly-quality variable plotted into the new set of reduced dimensions, the ones established by the two principal components. The length of the vector is proportional to the effect on the component; The orthogonality of the vector is inversely proportional to the effect on the component. A parallel vector would imply a exclusive effect on a given component.