



**S3 Fig. Beta-Diversity analyses for WT(T) and Per(T) samples, showing all of 16S-analyzed timepoints.** The day of stool collection is labeled along the top. Blue ellipses indicate collections and points that were performed during LD conditions, while red ellipses and points indicate collections performed in RR. The axes are Principal Component 1 (PCoA1, abscissa) and Principal Component 2 (PCoA2, ordinate). The pink squares show the centroid of the initial ellipse (day -14) to allow for easier assessment of how each timepoint compares to initial conditions and whether recovery from antibiotics + RR perturbation has occurred. Data for this figure are tabulated in S1 Data File.