



284 Figure 3. Alpha and beta diversity of gut microbiota between the control and SQE groups. Boxplot of (A)
 285 Good's coverage, (B) Chao1 index, (C) Shannon index, and (D) Simpson index. Boxes represent the IQR
 286 between the 25th and 75th percentiles, whereas the horizontal line within the box indicates the median value.
 287 The whiskers refer to the two lines extending from the box, spanning from the minimum value to the lower
 288 quartile. The *p*-value as assessed using the Wilcoxon rank-sum test is indicated above the boxplot. (E) Plot
 289 of principal coordinate analysis (PCA). PCoA was performed at a species level with UniFrac distances,
 290 including unclassified operational taxonomic units. SQE, *Sasa quelpaertensis* Nakai extract.