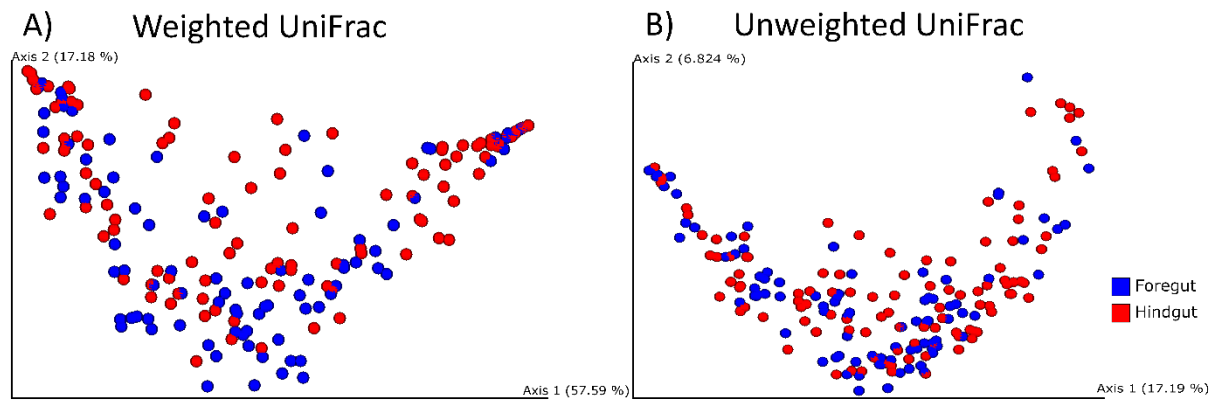
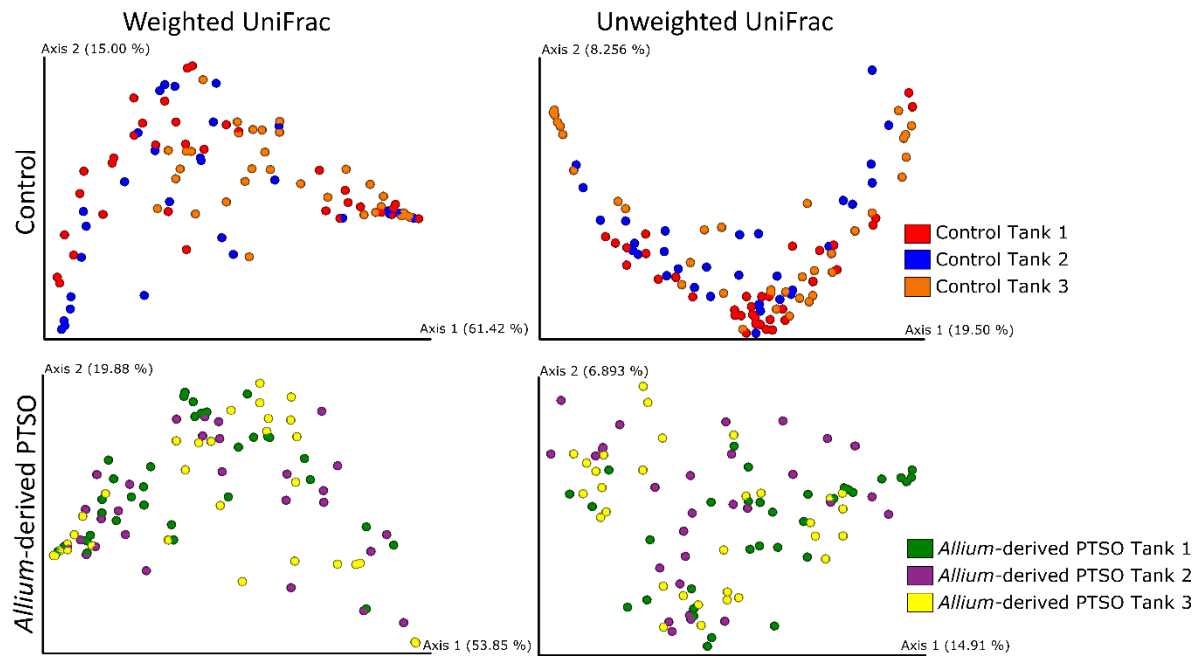


Supplementary Figure S1. Barplot summarizing the relative bacterial abundance at the class level in different gut regions (foregut and hindgut) and treatments. Control refers to juvenile gilthead seabream fed with basal diet while *Allium*-derived PTSO refers to experimental juvenile gilthead seabream fed with basal diet supplemented with *Allium*-derived PTSO.



Supplementary Figure S2. Principal Coordinate Analysis based in Weighted UniFrac (A) and Unweighted UniFrac (B) distance matrixes exploring differences in bacterial community between both gut regions (blue: foregut, red: hindgut). Percentages show the proportion of variance explained by each axis.



Supplementary Figure S3. Principal Coordinate Analysis based in Weighted UniFrac and Unweighted UniFrac distance matrixes exploring differences in bacterial gut community among different tanks of control and *Allium*-derived PTSO (red: control, tank 1, blue: control, tank 2, orange: control, tank 3, green: *Allium*-derived PTSO, tank 1, purple: *Allium*-derived PTSO, tank 2, yellow: *Allium*-derived PTSO, tank 3). Percentages show the proportion of variance explained by each axis.