

Figure S2 Comparisons of alpha and beta diversity of alkaline phosphatase gene communities under different water management treatments. (a) Richness of *phoD* and *phoX*. (b) Shannon-diversity of *phoD* and *phoX*. (c) Principal coordination analysis (PCoA) of *phoD*. (d) PCoA of *phoX.* Values on PCoA axes indicate the percentages of total variation explained by each axis.