



**Supplementary Figure 3** Mean relative abundance (%) of the overall prevalent phyla and core microbiome in pond water (n= 30 water) across five farms. **(A)** Mean relative abundance at phylum level. **(B)** Distribution of OTUs-level taxa of water microbiome across the farms. OTUs are grouped based on the number of farms in which they are observed (x axis) and number of farms in which they are abundant (y axis). Number of OTUs belonging to each group is represented by colour and circle size. The core community is defined as present and abundant in all farms analysed and is marked with black, empty circle. Cumulative abundance of OTUs observed in n farms and abundant in n farms are given in upper and right margin plot, respectively.