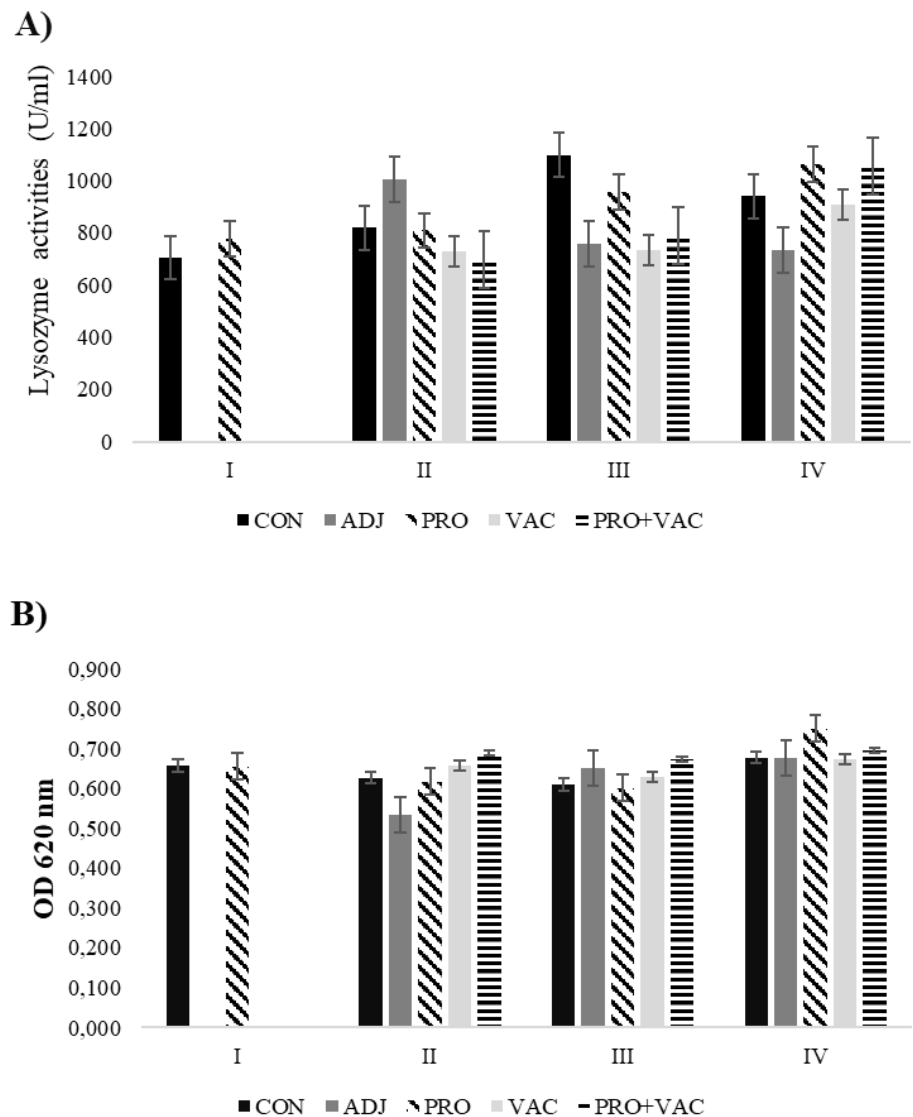
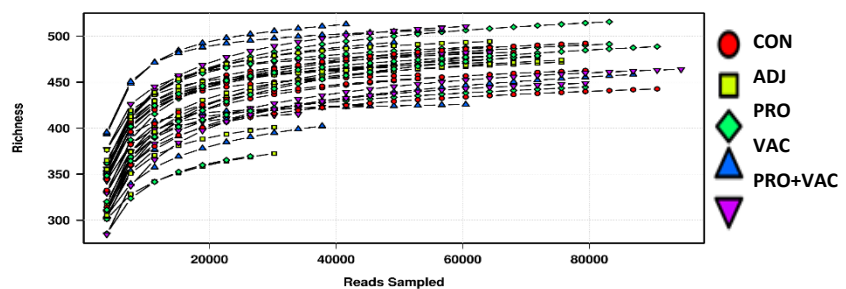


Supplementary data



Supplemental Figure S1 (A) Lysozyme activities and (B) Phagocyte respiratory burst of Nile tilapia, *O. niloticus*, at phases: [I] probiotic diet feeding [II], vaccination, [III] revaccination (booster) and [IV] survivors from 14 days post-infection (dpi) with *S. agalactiae* serotype Ib. (CON: control; ADJ: adjuvant; PRO: probiotics; VAC: vaccinated; PRO+VAC: probiotics + vaccine).



Supplemental Figure S2. Rarefaction curves of OTUs (operational taxonomic units), grouped in sequences with over 97% similarity, from gut

bacterial community of Nile tilapia (CON: control; ADJ: adjuvant; PRO: probiotics; VAC: vaccinated; PRO+VAC: probiotics + vaccine).