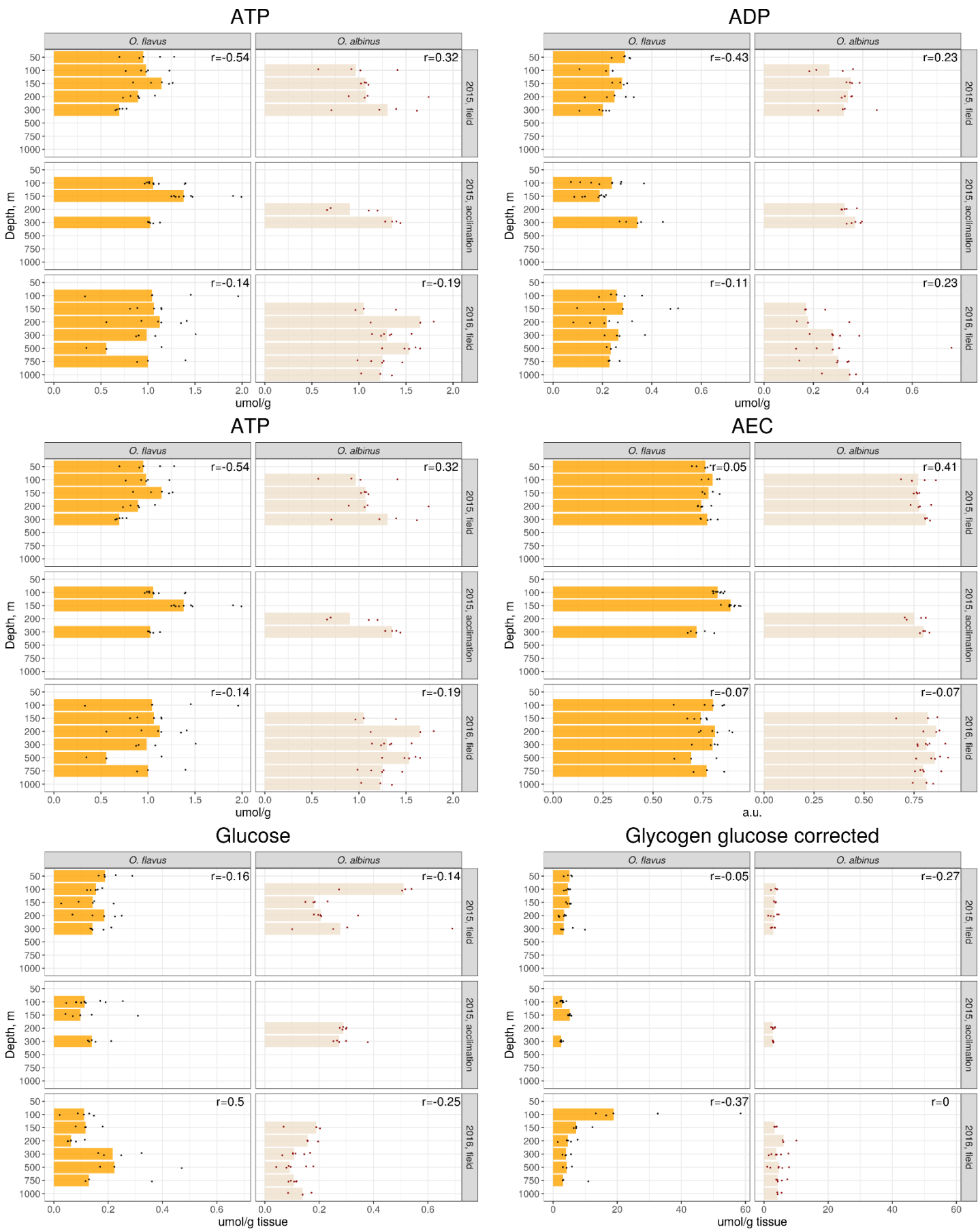
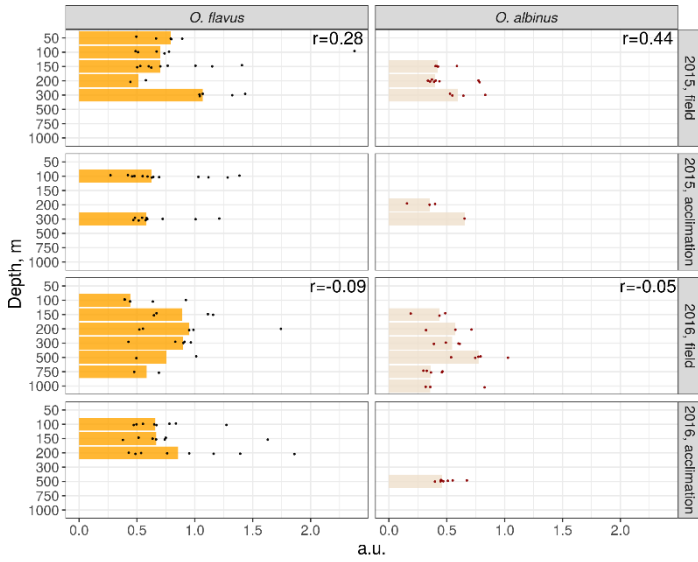


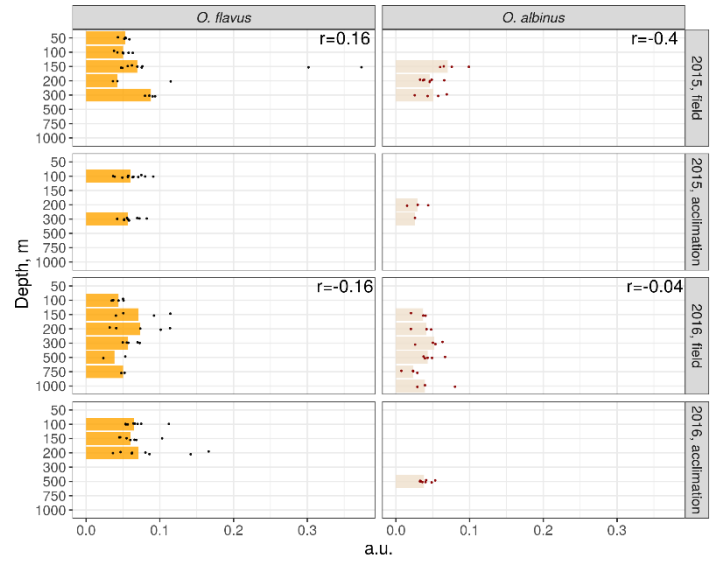
Figure S1. Raw data by depths of sampling. Bars indicate medians and dots show individual measurements. r — Pearson’s coefficient describing correlation between the biochemical parameters right after sampling and the depths of amphipod collection.



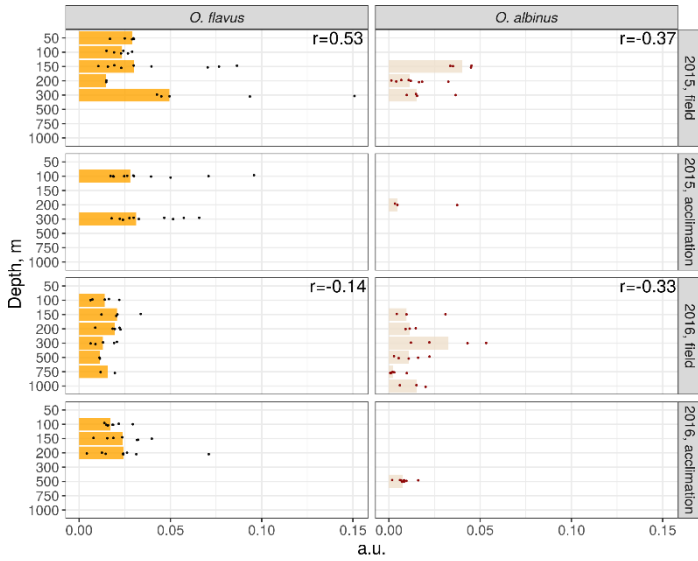
Neutral lipids, diene conjugates



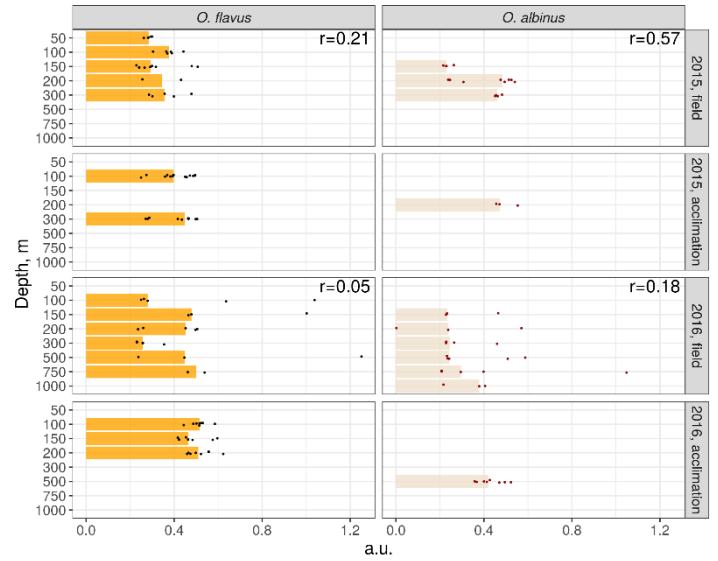
Neutral lipids, triene conjugates



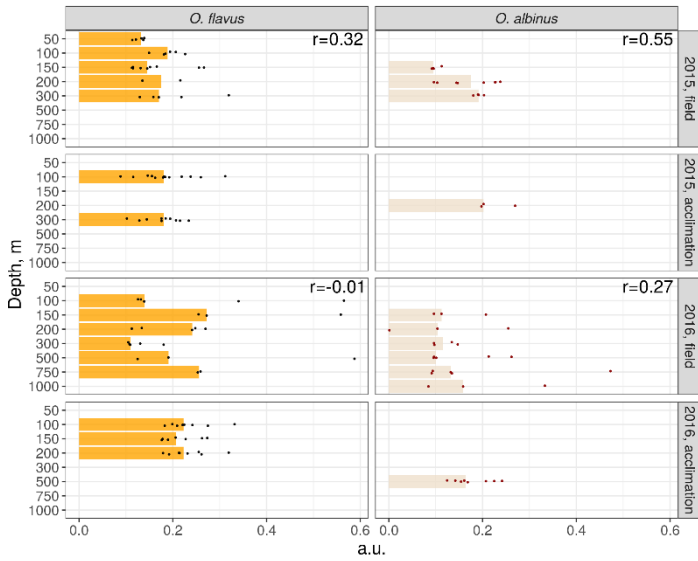
Neutral lipids, Schiff bases



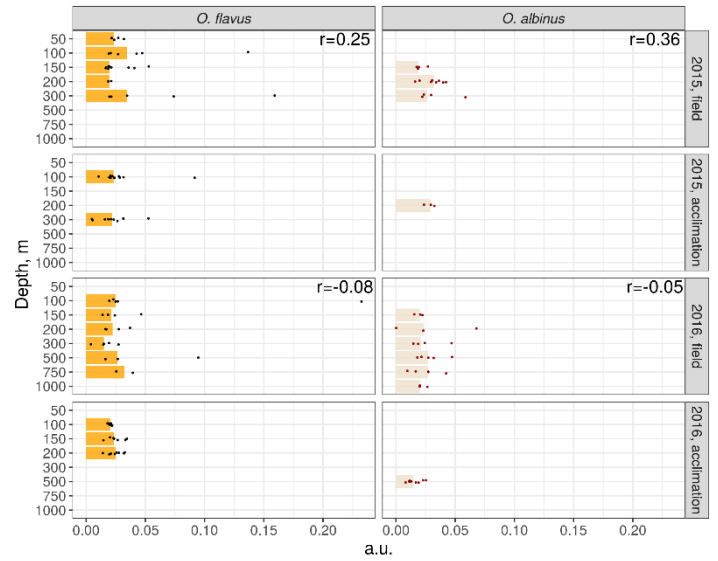
Phospholipids, diene conjugates



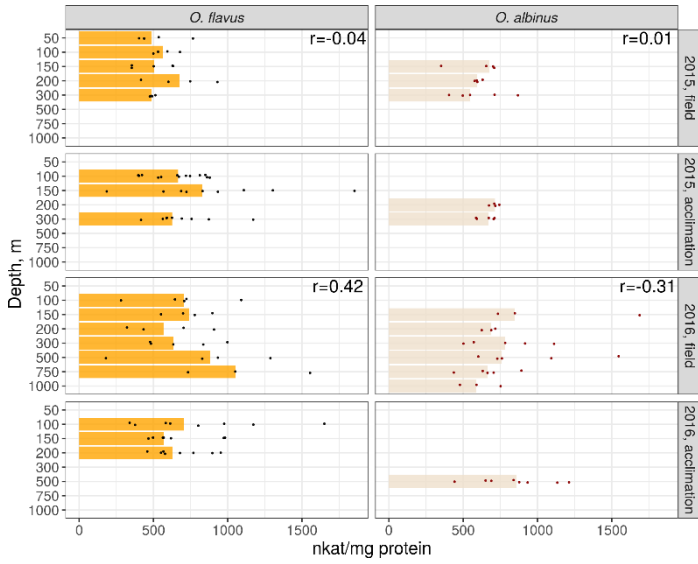
Phospholipids, triene conjugates



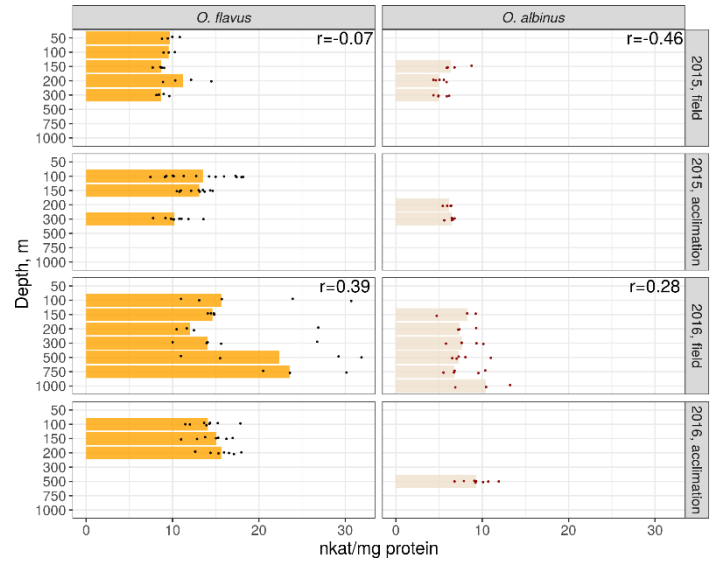
Phospholipids, Schiff bases



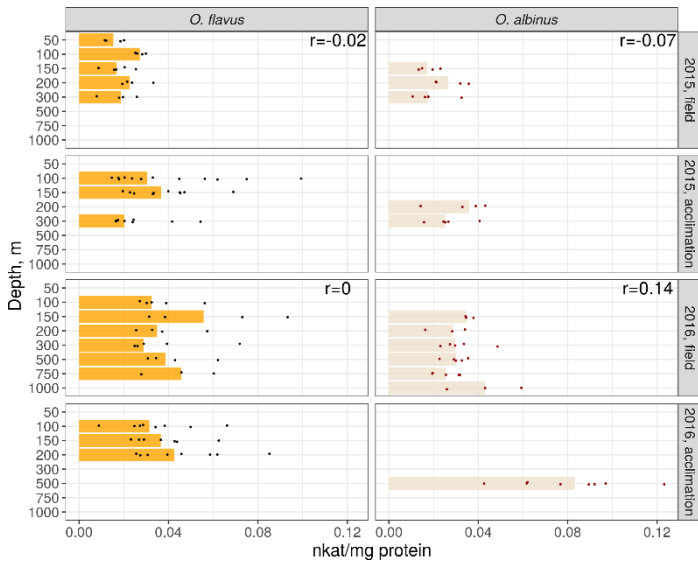
CAT



GST



POD



LDH

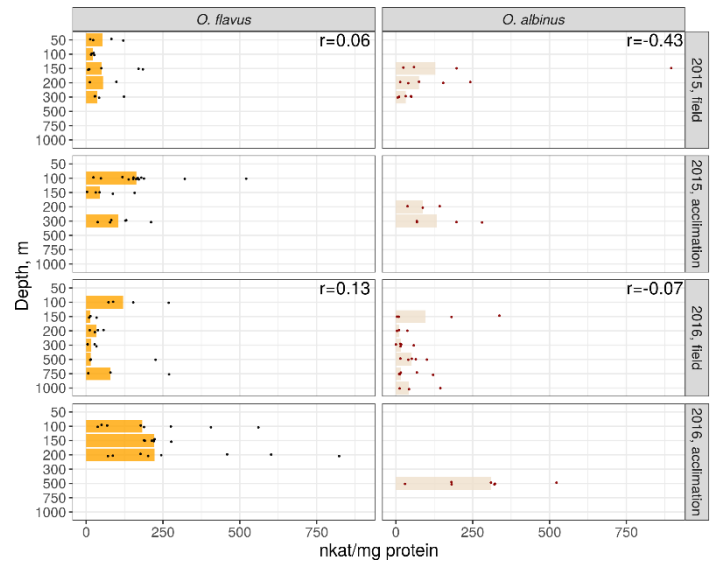


Figure S2. Energy-related biochemical parameters in *O. flavus* and *O. albinus* fixed right after collection from deep-water traps in the range 100-300 m. Values are expressed as $\mu\text{mol g}^{-1}$ of tissue for adenylates, glucose and glycogen (glucose-corrected) reserves and as nkat mg^{-1} for LDH activity. The numbers near the brackets indicate p-values for respective pairwise comparisons if the difference is statistically significant (Mann-Whitney U-test with Holm's correction for multiple comparisons).

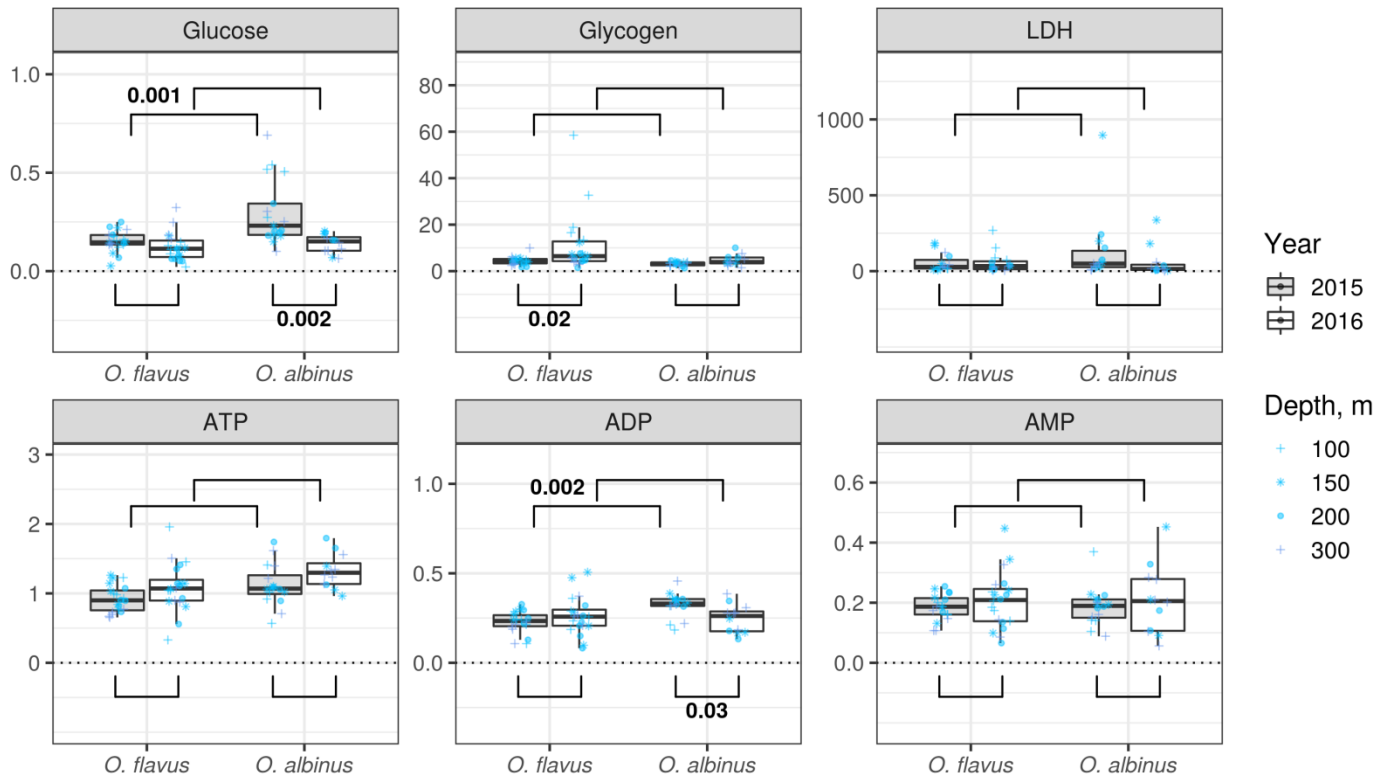


Figure S3. Biochemical parameters related to oxidative status in *O. flavus* and *O. albinus* fixed right after collection from deep-water traps in the range 100-300 m. Values are expressed as nkat mg⁻¹ of protein for the enzyme activities (CAT, GST, POD) and in a.u. for lipid peroxidation products (DC, TC and SB). The numbers near the brackets indicate p-values for respective pairwise comparisons if the difference is statistically significant (Mann-Whitney U-test with Holm's correction for multiple comparisons).

