



**Figure S3.1.** RNA yield per gram of brain tissue for each animal during each treatment. Total RNA does not differ in response to anoxia and recovery within each species: shark (ANOVA,  $p=0.9538$ ; Tukey's post hoc  $p > 0.05$ ), carp (ANOVA,  $p=0.5328$ ; Tukey's post hoc  $p > 0.05$ ), frog (ANOVA,  $p=0.7851$ ; Tukey's post hoc  $p > 0.05$ ), turtle (ANOVA,  $p=0.7320$ ; Tukey's post hoc  $p > 0.05$ ).