

Figure S1: Weight gain of the experimental black tiger shrimp (*Penaeus monodon*) at every 15 days interval (mean  $\pm$  S.D.) at six different salinity levels.

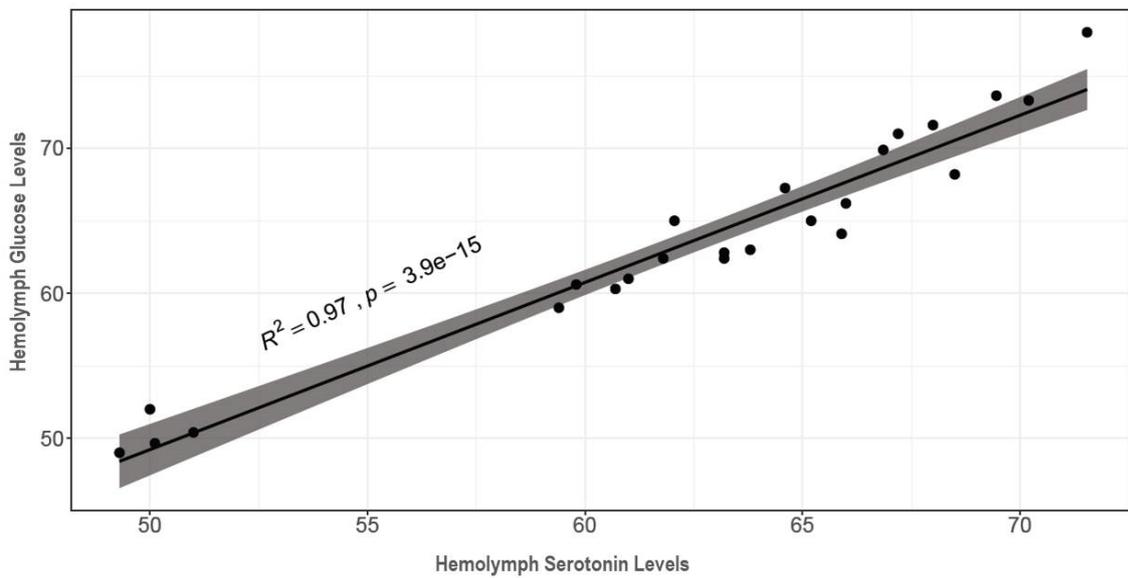


Figure S2: Correlation plot between hemolymph glucose (Y axis) and serotonin (X axis) levels of experimental *P. monodon* individuals at six different salinity levels.

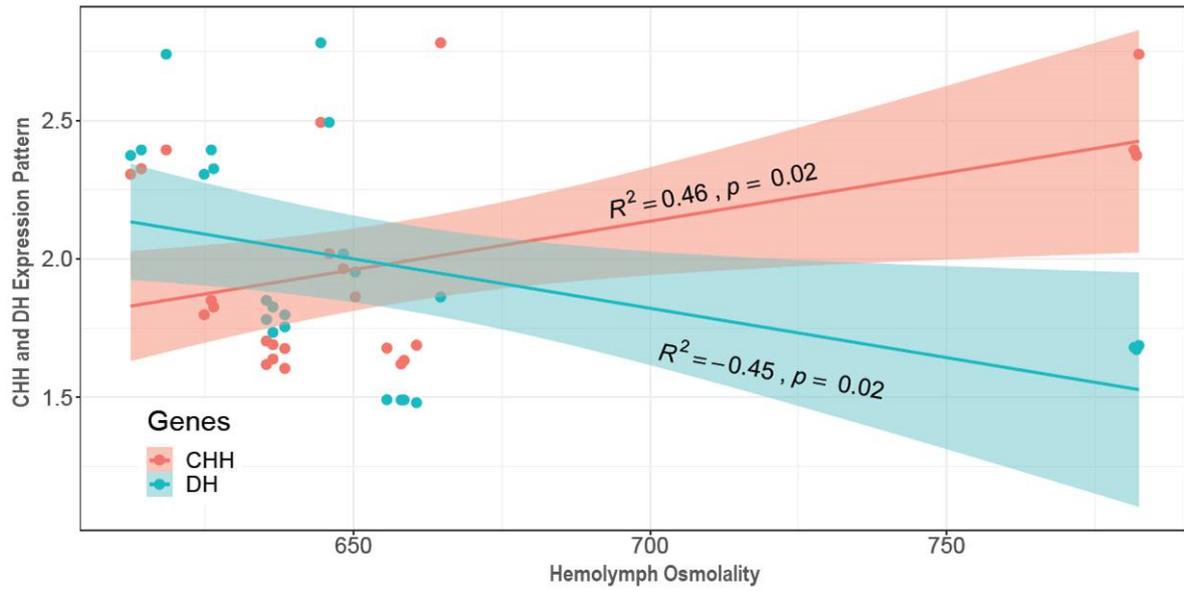


Figure S3: Correlation plot between hemolymph Osmolality (X axis) vs expression pattern of CHH and DH (Y axis).