

0.5

0.0

ÅΒ

CDEFGHI

J

Function Class

- T:Signal transduction mechanisms
- U:Intracellular trafficking, secretion, and vesicular transport
- V:Defense mechanisms
- W:Extracellular structures
- Y:Nuclear structure
- Z:Cytoskeleton

K L M N O P Q R S T U V W Y Z

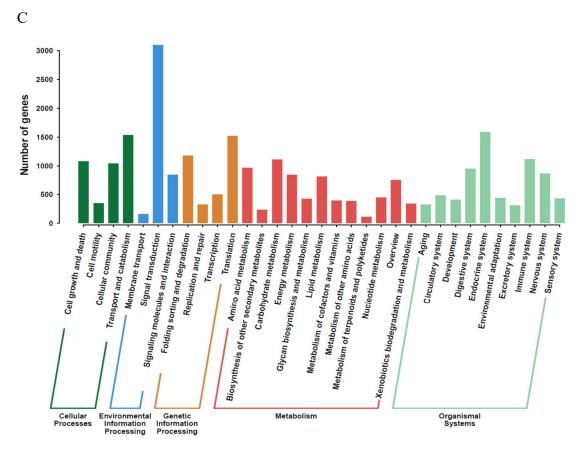


Figure S1. Similarity analysis and gene function annotation in *Anadara kagoshimensis*. A: GO (Gene ontology) classification of the assembled unigenes; B: KOG (EuKaryotic Orthologous Groups) classification of the assembled unigenes; C: KEGG (Kyoto Encyclopedia of Genes and Genomes) annotation analysis of the assembled unigenes.

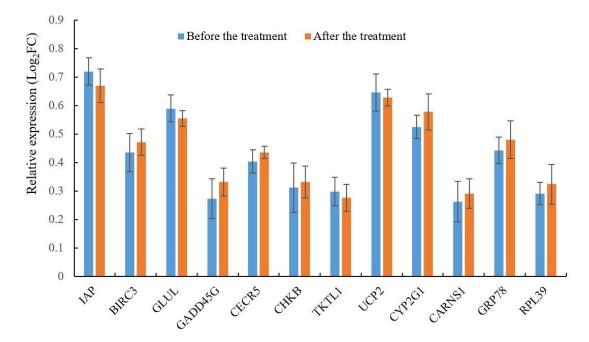


Figure S2. QRT-PCR analysis for 12 DEGs in *Anadara kagoshimensis* before and after 30‰ salinity treatment. The relative expression values were normalized to  $\beta$ -actin gene expression. Vertical bars represent the mean  $\pm$  S.D. (n = 3).