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Effect of salinity on regulation mechanism of neuroendocrine-immunoregulatory network in *Litopenaeus vannamei*

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Abbreviations: proPO, prophenoloxidase; CRH, corticotrophin-releasing hormone; ACTH, adrenocorticotrophic hormone; DA, dopamine; NE, noradrenaline; 5-HT, 5-hydroxytryptamine; AC, adenylyl cyclase; PLC, phospholipase C; cAMP, cyclic adenosine monophosphate; cGMP, cyclic guanosine monophosphate; THC, total hemocyte count; PO, phenoloxidase; *L. vannamei*, *Litopenaeus vannamei*; G protein, trimeric GTP-binding protein; IP₃, inositol 1,4,5-trisphosphate; DAG, diacylglycerol; HLS, hemocyte lysate supernatant; OD, optical densits; L-DOPA, L-3, 4-dihydroxyphenylalanine; PR, phagocytic rate; TBS-Ca, Tris-buffered saline with calcium; QPCR, quantitative real-time PCR; *S. aurata*, *Sparus aurata*; PIP₂, phosphatidylinositol 4,5-bisphosphate; GPCR, G protein-coupled receptor; *S. aurata*, *Sparus aurata*; *V. alginolyticus*, *Vibrio alginolyticus*; DHC, differential hemocyte count.

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