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A norepinephrine-responsive miRNA directly promotes CgHSP90AA1 expression in oyster haemocytes during desiccation

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1 A norepinephrine-responsive miRNA directly promotes CgHSP90AA1
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18
19 **Abstract**

20 Oyster *Crassostrea gigas* is one model mollusc inhabiting in the intertidal
21 zone and is frequently stressed by desiccation. The adaptation mechanism of oyster to
22 environmental stress involves multiple levels, and miRNA is one of the most
23 important regulators in post-transcriptional level. In the present study, an oyster
24 norepinephrine-responsive miRNA cgi-miR-365 was proved to contribute to the host
25 adaptation against desiccation by directly promoting the expression of CgHSP90AA1.

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