



### *Supplementary Data*

## Differential gene expression between normoxic and hypoxic conditions in the moon jellyfish *Aurelia coerulea* (Scorrano)

Y Xing<sup>a,c</sup> & G Wang<sup>\*,b</sup>

<sup>a</sup>Guangxi Academy of Sciences, Guangxi Mangrove Research Center, Guangxi Key Lab of Mangrove Conservation and Utilization, Beihai – 536 007, P. R. China

<sup>b</sup>National Marine Hazard Mitigation Service, Ministry of Natural Resources, Beijing – 100 194, P. R. China

<sup>c</sup>Key Laboratory of Tropical Marine Ecosystem and Bioresource, Fourth Institute of Oceanography, Ministry of Natural Resources, Beihai – 536 000, P. R. China

\*[E-mail: wangguoshan2013@126.com]

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**Supplementary Tables**

Name	Sequence (5'-3')	T <sub>m</sub> value (°C)
Qcoll YF	CTTGAGGTCACGGCATGTCTTT	61.6
Qcoll YR	TGGCGAGAAATCTGAAAATGAAT	60.8
Qtran YF	GAGCAAGATGACATTTGGCGTA	60.4
Qtran YR	CTTGAAAGACGGCAAAGGAGAT	60.4
QHIF2 YF	ACGGAGAATGCTGTTTGGTATG	59.4
QHIF2 YR	CTGTCTGTTTGCCTCGTTATGAA	62.4
Qp300 YF	TCCACGAACGACTGTGACGAG	60.6
Qp300 YR	GCATCAGCCAAGAAACGAACT	59.5
Qheme YF	CTCAGATGGCAAGCCGATGGT	64.6
Qheme YR	CTTCCTTTGCGGGTTGGTCAG	64.3
QNADH YF	TCGCATCGCTCCTGAGGTTTA	63.2
QNADH YR	CGCTGCTCGTTTTTCCTTACT	62.1
Qcyco YF	TAAGCAGGGGCACTTGAAATG	60.5
Qcyco YR	GGTCGGATTTGGGTTGCG	61.6
Qap1 YF	GGGTGAAGTCTGACGCAAATCC	63.3
Qap1 YR	CGACACTGGGCTGTGAATTGG	63.5

Quantitative PCR reaction components	Volume (μL)
FastStart Universal SYBR Green Master (Rox)	10.0
Primer F	0.6
Primer R	0.6
BSA (2 mg/mL)	2.0
cDNA sample	2.0
ddH <sub>2</sub> O	4.8

Sample	The amount of filtered data (G)	Base error rate (%)	Q20 %	GC %
SP	8.1	0.02	96.73	43.40
HP	9.7	0.01	96.90	43.07
SM	5.95	0.02	96.09	41.63
HM	7.38	0.02	96.28	41.87
Total	31.13	--	--	---
Average	7.78	--	96.45	42.49

## Supplementary Figures

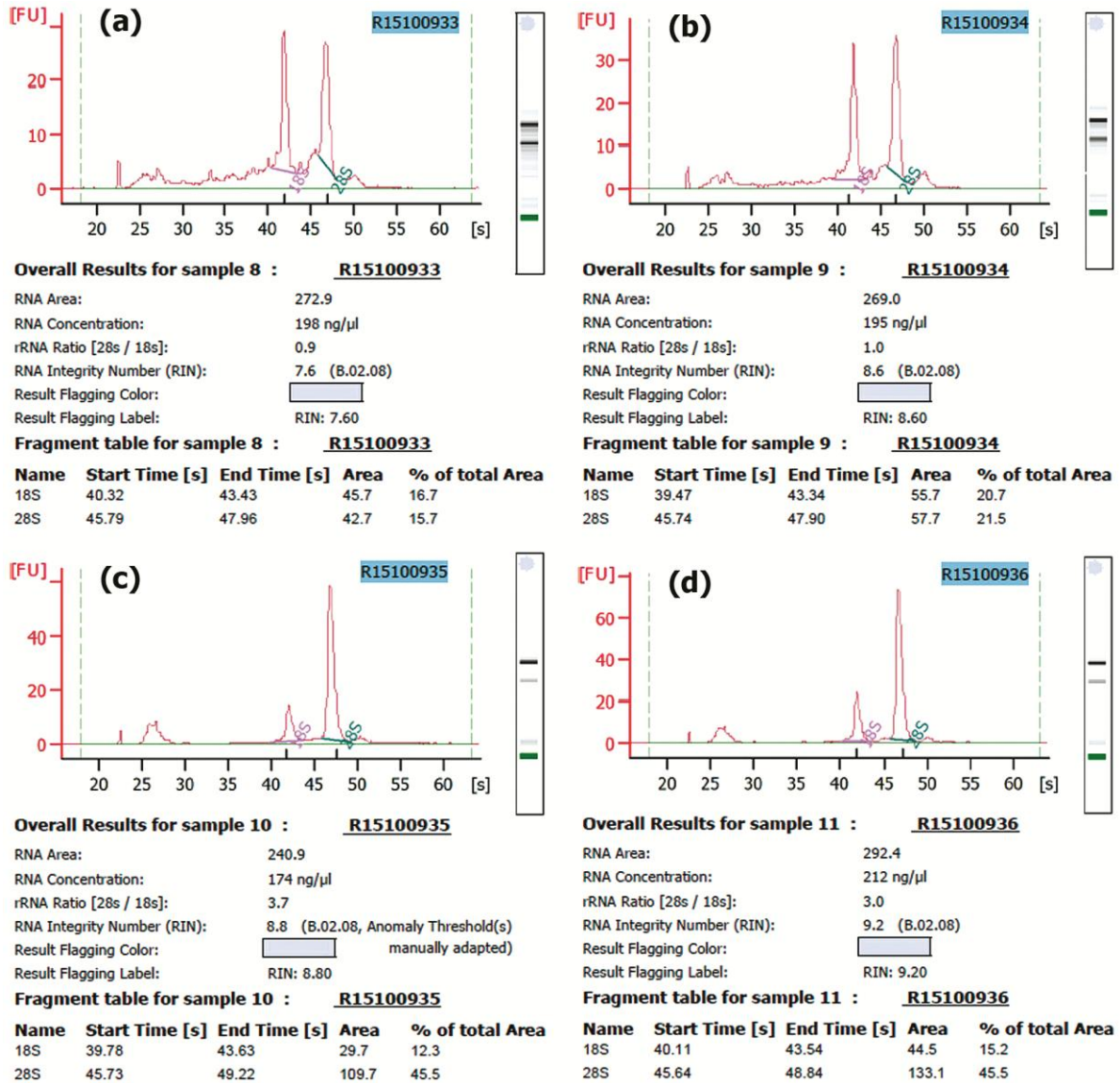


Fig. S1 — Agilent 2100 test results of four samples - a: control polyp group (SP); b: hypoxia polyp group (HP); c: control medusae group (SM); and d: hypoxia medusae group (HM)