

Additional File 3 - Validation of predicted SNPs by PCR and re-sequencing

Sequence (putative identity)	SNP	Primer sequences
1. Contig6072 (Hsp70)	440A/G	F: GGGTGGAGTATTCACCAAGCT R: TGTTTGTCCATCTGCTGCTGTA
	929T/C	F: CTGCTGCCTCTCTGAGTCTT R: ACTGAATTCAAGCGGGAGAGT
2. Contig8737 (Actin)	<i>259T/C</i>	F: CTGGCAGAGATCTCACTGACT R: AATCTCACGCTCAGCAGTGGT
3. Contig14848 (Ubiquitin-like protein 3)	418T/C	F: CTCATCACTAACTTTTCGTGCAT R: CAACAAAAGAGAACTCCTCTACT
4. Contig16407 (14-3-3 protein)	<i>654A/T</i>	F: TATTCCAGCAGATATCTCTCGA R: GCAGAAACACGAAGACAATCCA
5. Contig16728 (Thioredoxin)	211T/C	F: AGTCGGTGACATCTTCTTGCAA R: TTGACAATTTCTTGAAGGAGGCT
6. Contig16774 (Mn superoxide dismutase)	501T/C	F: GAGGACATCTCAATCACAGCAT R: GATAGCATCCATTAATCCACCTA
	791A/C	F: CTGGAAGTTCATGCTTAGCCTT R: AATGTTGTGCCGTAGTGTTCTGA
7. Contig20421 (Galaxin)	239T/G	F: CGAAACGTGGGTTGTAAGTTCTA R: GAAAAGGATTTTCGACGTTGACGA
8. Contig25861 (Ras-homology protein 1)	<i>543T/C</i>	F: GGAGTCCATTTTTCAGGGATGT R: TGTCTTACCCTGATACAGATGT
9. Contig26385 (Glutathione peroxidase)	<i>345A/G</i>	F: CTTCTGAGCCATTGACTGCCA R: TCCCTGAAGTATGTGCGTCCT
10. Contig26792 (Complement component C3)	293A/G	F: TCCAGAATTCGATATCTTCTCCA R: ACGAAGATGATAAGTCCCTTACT
11. Contig35180 (Beta gamma crystallin)	523T/G	F: TCCAGGTTCCATCTTTGACGA R: GTAGTGGCGCCACAAAAGACT
12. Contig45302 (Benzodiazepine receptor)	<i>682T/C</i>	F: AGAATCCACCTACATTTGGTAGT R: AATCTAAGGTCGGGGGCTGAA
13. Contig50281 (Arginine kinase)	478A/G	F: GGAAGATGCAGGTGTTTACGAT R: CCATTATACATGTCTTGGACACA
14. Contig52394 (Hsp60)	280A/G	F: TGTCTTTTAGTGTTGTTGATGA R: GACCCTACAGGATGAATTGGA
15. Contig56996 (Ubiquitin)	<i>317T/G</i>	F: CCGCAAGCTGGGTTCAATGA R: TACAACATCCAGAAAGAGTCCA
16. Contig60613 (Coatomer)	230T/C	F: AGTATGTTGCTGAGAATGTTGCT R: ATCAAAAGCATCCTCTACACCAT
17. Contig60937 (Small heat shock protein)	139A/C	F: GGTCAAGAGCTGACAGTCACT R: AAGGAGGATACGGCGATGGT
18. Contig63538 (Ligand of numbX2)	709C/G	F: CAATGCAGCATCAACTGCATCT R: GGACGGTAACAAAGACATCCAA

20 SNPs were selected for validation by searching among QualitySNP contigs for similarity to 18 known genes thought to be involved in coral stress responses. The 14 validated SNPs are shown in bold; 6 SNPs that were not confirmed are shown in italics.