

Table S1 Description of watermelon catalase family genes

Gene name	Arabidopsis						Product
	Gene ID ^a	homolog locus ^b	E-value	Identity ^c	Forward primer sequence 5'-3'	Reverse primer sequence 5'-3'	size (bp)
<i>CICAT1</i>	Cla023448	AT1G20630	0	87%	F:GCTCACCATGCCGAGAGGTATC	R:CGTTCCTGCCTGTCTGATGTCC	137
<i>CICAT2</i>	Cla023447	AT4G35090	0	92%	F:ACAACCTCTCGATGACCGTTGG	R:GACAACACGCTCTGGAATACGC	110
<i>CICAT3</i>	Cla021932	AT1G20620	0	71%	F:TTCTCCACCGTCATCCACGAG	R:CTAAGTCGAAGTTGCCTTCACG	100

a, Watermelon gene ID in Cucurbit Genomics Database (<http://www.icugi.org>)

b, Arabidopsis gene ID in TAIR database (<http://www.arabidopsis.org/>)

c, The identity data are the results of blastp.