Supplementary Table S1. Sequences of primers used for qRT-PCR analysis for normal and watercore pineapple

Gene ID	Gene name	Primer (5'→ 3')		Tm/℃		expected size /bp
		Forward	Reverse	Forward	Reverse	
Aco003177	***AcActin***	CTGGCCTACGTGGCACTTGACTT	CACTTCTGGGCAGCGGAACCTTT	65.08	65.6	135
Aco020618	***AcPAL2***	GTAAGACGCGGGAGGAGTTC	CCTGTACACGGGATACGTCC	60.18	59.62	86
Aco025129	***Ac4CL5***	CGAAAGAACCATTTGAGGTCAA	CTTTCATGATCTGCTTTCCTCG	57.17	57.47	147
Aco021986	***AcPER1***	AACATATCCGATAGCGGCGG	CGGATACAGAAAGCTCGCCT	60.11	59.90	157
Aco003045	***AcPER11***	TGAAGGGCTTCGACTTGGTC	TCGAGTCCAATCTCCCCACT	59.97	59.96	159
Aco008430	***AcPER42***	GGGCCATACATCCCACTGAG	TCCAAGGAGGGCAACAACTC	59.89	59.89	165
Aco004906	***AcPER51***	ACATGATCGCTCTCTCAGCG	TAGGCCTGGTTGAAGCTTGG	59.97	59.96	118
Aco002056	***AcPER74***	TCAGAACCTTCGACACCAGC	CGGTAAGTCCGTCAGCATGT	59.97	60.11	129
Aco012068	***AcACT***	ACCACCTGGGCGTCATAAAG	CTGGTGAGGTAGACGAAGCC	60.04	59.83	178
Aco021357	***AcPOD***	CATTGCAGCAAAACTGCCCT	TCCTGGTCAGACTGGAGGAG	59.97	59.96	136
Aco014080	***AcADH***	AAAAGCCTACTACCCACTCGC	TGCTGAAATATCTCTCTCTGGGT	60.07	58.71	122
Aco012069	**AcHCT**	TGGCTATCGAATCTCGACGTG	CCGTTCGACCGGAAGAAGTA	60.00	59.48	71
Aco017493	***AcOMT2***	GTACCCCAACATCAAGGGCA	GTCTCCACCAACATGCTCCA	59.96	59.96	91
Aco012235	***AcCYP***	AAGGGCTCGAAAATCGTGGT	ATAATCCCGGGACAGCTCCT	59.96	60.10	188
Aco007241	***AcCYP98A1***	ACCCACCCCGTTTTAATTGGA	CACGCTGGAGAGGTGTTCTT	59.85	59.97	105
Aco019975	***AcMenE***	ATCCCTCAAGCCGACGAAAG	ATGAGCAGTAAGAGCGACCG	60.11	59.90	96
Aco022842	***AcBGLU16***	CATCGGCATTAACCACTACATG	AAAGTTTCGAGATTGCAGTGTC	57.53	57.53	166
Aco022841	***AcBGLU18***	AGGAGCTGATGTTAGGGGCT	TCCACATAGTGGAGTCCGAA	60.33	57.77	96
Aco012649	***AcBGLU43***	AGGGACTTCCATGTTGGCTG	ATTCGGAAGCCGCTCTTTCA	59.96	60.04	93

Supplementary Table S2. Results of normal fruit (CK) and mild watercore fruit (MS) sequencing data quality.

Sample	raw_reads	raw_bases	clean_reads	clean_bases	valid_bases	Q30	GC
CK1	46.33 M	6.95 G	44.92 M	6.39 G	91.93%	96.03%	48.89%
CK2	49.67 M	7.45 G	48.67 M	6.98 G	93.70%	96.67%	49.26%
CK3	43.98 M	6.60 G	42.91 M	6.18 G	93.60%	96.25%	48.52%
MS1	46.99 M	7.05 G	46.00 M	6.61 G	93.81%	96.52%	50.17%
MS2	42.41 M	6.36 G	41.52 M	5.93 G	93.30%	96.59%	49.22%
MS3	41.72 M	6.26 G	40.85 M	5.85 G	93.55%	96.57%	49.24%