



**Supplementary Table S1.** qPCR primers used for amplification of watermelon *SWEET* genes.

Name	Gene ID	Forward primers (5'-3')	Reverse primers (5'-3')	Length
<i>ClActin</i>	Cla97C02G026960.1	GTCGTACAACAGGTATTGTG	AAGGTCCAGACGGAGGATAG	104
<i>ClasWEET1</i>	Cla97C01G000640.1	TATGCCTCTCCATTGGTCGC	GCACGAGTTGAAGCAATCCC	190
<i>ClasWEET2</i>	Cla97C01G001850.1	CGTGGCTCTCTTAGCCCTTT	CCGTTGGGGACTGTGATGAA	255
<i>ClasWEET3</i>	Cla97C01G012030.1	CACCAATCCCCACATTTGCTC	GAGGACGACGGTAGCAAAGA	281
<i>ClasWEET4</i>	Cla97C01G012040.1	GCCATGACCATCAAGATAGGGT	ACATGTTGTCGTCGTCCCAA	160
<i>ClasWEET5</i>	Cla97C01G012050.1	TTACTCTCTCCCTCGCCAAC	TACACGTCGGACATTTGCAC	217
<i>ClasWEET6</i>	Cla97C03G055120.1	TGATTCGCACAAAGAGCGTG	AGTTGTTGCATCTCCTTCGC	208
<i>ClasWEET7</i>	Cla97C03G055130.1	TCTTAGCTCCTGTGCCAACATT	ATGAGACAGCCAACGGAGTT	172
<i>ClasWEET8</i>	Cla97C03G067610.1	GTCTACATTGCGGTGCCAAA	ACCACCGTTCATTCCCCTCT	159
<i>ClasWEET9</i>	Cla97C05G087740.1	TAGGGTTTGTGTTGTGCGGGA	AGTTGTGCCAATCCCAACCC	220
<i>ClasWEET10</i>	Cla97C06G111200.1	ACTTAGCTCCTTTGCCGACG	GGCCCATGTTTCATCACAGCA	264
<i>ClasWEET11</i>	Cla97C06G127900.1	AAGGTTCCAAACGGCTAAGGT	ACGGCATGTACTCCACACTC	206
<i>ClasWEET12</i>	Cla97C06G127910.1	AAGAAGGCTCGGATATTCACGG	CATAACCGCGCTGAGTGTGA	252
<i>ClasWEET13</i>	Cla97C07G138130.1	TCTCCATTGCCAACCTTCGT	AGGGTTCCAGCTGCGTTAAT	170
<i>ClasWEET14</i>	Cla97C08G149190.1	CCTGTCGTTGTTGTCGTTCTTG	TCGTTTGTGGGCTTCTCATCT	177
<i>ClasWEET15</i>	Cla97C08G149470.1	CGTCGGCATTATTGGTAATCTCA	TCCGTCCTTTGTTATCGGCA	269
<i>ClasWEET16</i>	Cla97C10G197080.1	CAATAACAAGTCGGTGGAAGAG	GGTTCCATGCAACGCTAGCA	280
<i>ClasWEET17</i>	Cla97C10G197130.1	TTCTCACCTCGGTGGAAGA	GGTTCCATGCAACGCTAGCA	279
<i>ClasWEET18</i>	Cla97C10G197140.1	GCCTTTTGTTCATCCAGACAGC	CACACTTTCGTCCGTCTCTCT	123
<i>ClasWEET19</i>	Cla97C10G197150.1	CTTTCCCCGCTCCCAACATT	AAGCTCTATGACGAGGCCAA	183
<i>ClasWEET20</i>	Cla97C11G216360.1	TTGCTCTACCAACATAGTGGGG	TGTTGTTGTTGGTTTCTCCCA	213
<i>ClasWEET21</i>	Cla97C11G216370.1	GCAGAAAAGGGTGATTACGACAA	TGCTCATCTCCTTCCTCAAGTTT	246
<i>ClasWEET22</i>	Cla97C11G223200.1	AACTGACCTCCCTTTGCGAC	TGAACATCCCCAACACGGC	246