

Additional file 12. Primers for quantitative RT-PCR analysis.

Gene	ITAG gene ID ^a	SGN unigene ^b	Primers	Sequence (5'–3')
<i>PSMD2</i>	Solyc07g053650	SGN-U569045	Forward Reverse	GCTGGA CTGGT TACTCTGCT ACCTGCCTGACCTACAACAT
<i>SIUBC1</i>	Solyc01g094810	SGN-U579048	Forward Reverse	TGCCCCTGAGGAGAAGTCAA CAGGGCCTGCAACTGCAT
<i>SIUBC2</i>	Solyc01g095490	SGN-U580883	Forward Reverse	TGCCCCTGAGGAGAAGTCAA CAGGGCCTGCAACTGCA
<i>SIUBC3</i>	Solyc01g111680	SGN-U603899	Forward Reverse	GAGTACCAACATCTCCACCAATTG CTGACCTTGGCTGGATTGAAC
<i>SIUBC4</i>	Solyc02g067420	SGN-U579926	Forward Reverse	GGAAGGTGCGTGAAATAGTTGAG CCAGGAGAAAGCCATGAAATG
<i>SIUBC5</i>	Solyc02g078210	SGN-U567723	Forward Reverse	CCCAAGAACCAGGACAAAGAAC CTCCACGAGTTTAGGGTAAAGCTT
<i>SIUBC6</i>	Solyc02g083570	SGN-U565334	Forward Reverse	TCCACTGGTTCCAGAAATTGC TTTGAGTCCAACTACGAGCCATT
<i>SIUBC7</i>	Solyc02g084760	SGN-U579325	Forward Reverse	ATGTTGTCAAGTTCAACCGTGAA TGGGAGATCTGCCGTTTCTG
<i>SIUBC8</i>	Solyc02g085690	—	Forward Reverse	GAGGCTGCTTCTGTGTTGAGAGA GCCACAGTTCCACCAAGCAT
<i>SIUBC9</i>	Solyc02g087750	SGN-U580405	Forward Reverse	GAAGGTGCGTGAGATTGTTGAG CAGCATGGAGAACATTGCAGTT
<i>SIUBC10</i>	Solyc02g093110	SGN-U580409	Forward Reverse	GCCAAACCCTGCTGATCCT CGCACCTCTTTTCGGTACTC
<i>SIUBC11</i>	Solyc03g007470	SGN-U579276	Forward Reverse	GATCCTTTGGTCCCGGAGAT TGGGTCCAGCTCCTTGCA
<i>SIUBC12</i>	Solyc03g033410	SGN-U565335	Forward Reverse	CAGACGATCCATTGGTACCAGAA CCAAC TACGAGCCACTGATTCA
<i>SIUBC13</i>	Solyc03g044260	SGN-U577380	Forward Reverse	TCCGCCTCTGGTGTAGTCTTAATA GCCAAAACAGTGTCAGCTATCAGT
<i>SIUBC14</i>	Solyc03g113100	SGN-U596593	Forward Reverse	CCCGGATTTCTTTTCTTACACCTA TCTGTTGGGCAATATGCATAGATG
<i>SIUBC15</i>	Solyc03g113100	SGN-U580749	Forward Reverse	TCAGAAGCTGCTCGGTTGTTT TGTCCAGCTCTGCTCCACAAT
<i>SIUBC16</i>	Solyc03g123660	SGN-U583412	Forward Reverse	CAACAGAGGAAATCCGTTCCA AGCAGAGGCAGGGCCATTA
<i>SIUBC17</i>	Solyc04g011430	SGN-U580887	Forward Reverse	GCATCATATCCATGCTTTCAAGTC CCTTTTTTCCCTCCATTCTTAG

<i>SIUBC18</i>	Solyc04g078620	SGN-U592148	Forward Reverse	CGCACAAACCGATGGCTAT ACTGCTTAGCCTGCTGCTTCA
<i>SIUBC19</i>	Solyc04g080810	SGN-U580669	Forward Reverse	CTGCGGACAACGATCGCTAT ATCGTCATGGAACCAACATCTC
<i>SIUBC20</i>	Solyc05g050230	SGN-U581187	Forward Reverse	CAGTGGAGCCCTGCATTAATA CGGTTCTTCGTATTTGGACTT
<i>SIUBC21</i>	Solyc05g054540	SGN-U579417	Forward Reverse	GCTAATGTCTGAAGCAGCTAAGGA GGGACCGTCTTACACAACGACTA
<i>SIUBC22</i>	Solyc05g054550	SGN-U578313	Forward Reverse	GCTAATGTCTGAAGCAGCTAAGGA CTTGAGACCGTCTTACACAACGA
<i>SIUBC23</i>	Solyc06g007500	—	Forward Reverse	GAAGATCCACTTAATCATGAAGCA CCCCACATCGTCCTCCTAAC
<i>SIUBC24</i>	Solyc06g007510	SGN-U578218	Forward Reverse	ACTGACAGGGCCAAATACGAA GGAGACAATTTTGCGCATCA
<i>SIUBC25</i>	Solyc06g063100	SGN-U583410	Forward Reverse	CATGGCAGAAAAGGCATGTGT CCACAACATGGGAGACAGGTT
<i>SIUBC26</i>	Solyc06g070980	SGN-U578489	Forward Reverse	GGAAGCAGCTCGGATGTTCA CAGTCCAGCTCTGCTCAACAAT
<i>SIUBC27</i>	Solyc06g072570	SGN-U582847	Forward Reverse	GGAGTACTTTGGAAGCAAATGG ATCAGCTTTTGCTGGAAGGA
<i>SIUBC28</i>	Solyc06g082600	SGN-U578566	Forward Reverse	AAGACTGACAGGGCCAAATACG CGAGGACAATGCCGTTATCC
<i>SIUBC29</i>	Solyc07g021660	—	Forward Reverse	TGGGTGGAGTCCTACCATTACA TATAATTAGGGCTCGGCCAAT
<i>SIUBC30</i>	Solyc07g024070	SGN-U568707	Forward Reverse	GGTCCCAGATCATTTTGTGAA TGCACGTCCAGCAGAGTCTA
<i>SIUBC31</i>	Solyc07g053960	SGN-U589396	Forward Reverse	GGAAGGAAGAGGTGGCTGAA CGAGAAGTCCTCTACCACATCAA
<i>SIUBC32</i>	Solyc07g062570	SGN-U576994	Forward Reverse	TGGACACGCCTATATGCTAGTG GAGGGTGCTATCCAGGTTCA
<i>SIUBC33</i>	Solyc07g066080	SGN-U568401	Forward Reverse	AATACGCAATGGGTGAACACA TGTGCACCATGCCTAAGTTTATTT
<i>SIUBC34</i>	Solyc08g008220	SGN-U580936	Forward Reverse	CTGGACCCAAAAGTATGCAATG CCACAAACTCAGAGGGAAAGGA
<i>SIUBC35</i>	Solyc08g081270	SGN-U562770	Forward Reverse	TGCGAGAAATACGCTAAGAAAGAA TTTTCCAGCAAGTTCATCATCACT
<i>SIUBC36</i>	Solyc08g081950	SGN-U580479	Forward Reverse	GGTTAGTTGCTGTTGCAATGCA CCCCTTGAAACTGATTAAGCCATA
<i>SIUBC37</i>	Solyc09g009720	SGN-U586931	Forward	CGAATGTTGATGCGGCTAAG

			Reverse	TGATTTCTCAGCATCTCTTC
<i>SIUBC38</i>	Solyc10g007000	SGN-U567052	Forward	AGGAGATTGGCGTAAAGGATTG
			Reverse	TTGCAGGAACAACCTGGTGCTA
<i>SIUBC39</i>	Solyc10g007260	SGN-U576995	Forward	CAAAGCACTGGAAGTCAAACGA
			Reverse	TCAGGCACCACTTGCATAAAGA
<i>SIUBC40</i>	Solyc10g011740	SGN-U578152	Forward	CAAACCCCGATGATCCTTTG
			Reverse	CCGGGCTGTTGATTTCGTATT
<i>SIUBC41</i>	Solyc10g012240	SGN-U271269	Forward	CCGGAGGAGAAGTCGAGTGA
			Reverse	TCAACAGGGCCTGCCATT
<i>SIUBC42</i>	Solyc10g012270	—	Forward	CTCCCACAACCTTCTCTTGTATCCT
			Reverse	GTTCGGTCTCGCATCATCAG
<i>SIUBC43</i>	Solyc10g012320	—	Forward	CTCCCACAACCTTCTCTTGTATCCT
			Reverse	GTTCGGTCTCGCATCATCAG
<i>SIUBC44</i>	Solyc10g081160	SGN-U571107	Forward	GAAGATCGACGCGAGAAAGAA
			Reverse	TCTCCCATCTATCAAACAAAAGCA
<i>SIUBC45</i>	Solyc11g065190	SGN-U581052	Forward	CAAACATAAGCTCACCTCTGAACA
			Reverse	GCTTCTCAACCATCTTCCTGTATT
<i>SIUBC46</i>	Solyc11g071260	SGN-U563892	Forward	CGATCCGGTGATATCAGAGGTT
			Reverse	TTTAGCCCTTCTTGGGCATT
<i>SIUBC47</i>	Solyc11g071870	SGN-U571404	Forward	CGCAAAGAAGGAGAATGTCGTT
			Reverse	TCTGTCCACTGAACTCCTCTTCAC
<i>SIUBC48</i>	Solyc12g013820	SGN-U587749	Forward	CGCCGTCTAGATACTTCTCTCAGA
			Reverse	TTCCGGCACCTGCACATT
<i>SIUBC49</i>	Solyc12g056100	SGN-U578242	Forward	ACTCAAAAATTTGCCATGGGATA
			Reverse	GGAATCAGACCCCGATGGT
<i>SIUBC50</i>	Solyc12g088680	SGN-U274770	Forward	GTGATCCAGCACAAACAGAAGGT
			Reverse	GGCCTGCTGTCTCACTCGTT
<i>SIUBC51</i>	Solyc12g089030	SGN-U577494	Forward	GACAACCCAGCTTGTTCTGA
			Reverse	CAGCGTTGGAAGAACGTTTCT
<i>SIUBC52</i>	Solyc12g099310	SGN-U569767	Forward	ATCTAAAAAATCCAGCGGTGAAGA
			Reverse	GCTCATGAAATCATCGGAAGGA
<i>Actin</i>	Solyc11g005330	SGN-U580609	Forward	TGTCCCTATTTACGAGGGTTATGC
			Reverse	AGTTAAATCACGACCAGCAAGAT

^aITAG, the International Tomato Annotation Group release version 2.3.

^bSGN identification number of the best BLAST hit in the Sol Genomics Network (SGN) tomato unigene database (<http://solgenomics.net>).