

Table 1 Suppl. The list of oligonucleotide primers for analysis of gene expression by qPCR.

* - *BLAST* was performed with AT1G49240 sequence in the chili pepper transcriptome database: (<http://www.bioingenios.ira.cinvestav.mx:81/Joomla>)

| Gene | GenBank acc. No. | Sequence 5'-3' | Fragment size [bp] | Melting temperature [°C] |
|------------------|------------------|--|--------------------|--------------------------|
| <i>Kas</i> | AF085148 | F: GAAAGAATGATCGTGCTTG R: GTTGGCCAAGGTTAGCATCT | 87 | 60 |
| <i>AT3</i> | AY819026 | F: AGAAGGGAAACTGCCATTTG R: TCTTTCAGGTCTTCCCCATC | 115 | 60 |
| <i>pAmt</i> | AF085149 | F: TGGCAGAGTGATATGGAACC R: GCGCACCATAAACAGATAA | 107 | 60 |
| <i>Ca4H</i> | AF088847 | F: CTTGGTTAACGCTTGGTGGT R: CCGAATGGAAGGAATCTGAA | 135 | 60 |
| <i>Pal</i> | AF081215 | F: ATTCGCGCTGCAACTAAGAT R: CACCGTGTAAGGCCTTGTTT | 94 | 60 |
| <i>4CL</i> | AAG43823 | F: GGACCGATTGAAGGAATTGA R: GGACAACAGCAGCATCAGAA | 107 | 60 |
| <i>HCT</i> | EU616565 | F: ATGCAGGGATGAAGATGGAC R: TAATCAACGGCCGGAATAAG | 147 | 60 |
| <i>C3H</i> | EU616552 | F: GCCATCTTCTGCACCATTTT R: GGCCTGTAATGGAGTCCTCA | 113 | 60 |
| <i>Acl</i> | JF431922 | F: TTCCTTCAAGCACAACCAGA R: GCGAGTAGCTGGCTTCATTC | 94 | 60.3 |
| <i>Fat</i> | JF431923 | F: TGATGGATTTGCGACTACCC R: CCCAATCCTGCCTTCACTTT | 145 | 60 |
| <i>Acs</i> | AF354454 | F: TGGCTCAGCTGAATTTGTTG R: TAACCCGTGAACGTGAAACA | 110 | 60 |
| <i>BCAT</i> | AY034379 | F: CAAGGAAGGAACAGCACCAT R: TCGCCTTTGCTTTCTTCATC | 134 | 60 |
| <i>BCKDH</i> | EU616549 | F: CGGATGGCTGTTGAAGAAGT R: CTCCTTTGCAGCTTCTACGC | 150 | 60 |
| <i>Comt</i> | AF081214 | F: CCTGCGAATGGAAAAGTGAT R: TCTTTGCCTCCTGGGTTATG | 125 | 60 |
| <i>Actin</i> | Contig0023* | F: GCCTAGAAATTTGAGCCTCATT R: AAGATGGTATTGTTGCTGATGG | 124 | 60-60.3 |
| <i>Ubiquitin</i> | AY496112 | F: CGTGGTGGCTTTTGAGAAT R: AAGCACACAAACACAATGTCAC | 100 | 60-60.3 |
| <i>EF1-α</i> | AB275381 | F: CTCAAGAAGGTCGGTTACAAC R: CTGGTTCGAGAGCCTCAAG | 135 | 60-60.3 |