

**Table S1 Gene information of BAG family in tomato**

<b>Gene name</b>	<b>Accession number</b>	<b>CDS</b>	<b>Amino acids</b>	<b>Molecular weight(kDa)</b>	<b>pI</b>
<i>SIBAG1</i>	Solyc03g026220	1026	341	38.253	9.52
<i>SIBAG2</i>	Solyc06g035720	1002	333	37.562	9.45
<i>SIBAG3</i>	Solyc08g080320	855	284	32.331	9.73
<i>SIBAG4</i>	Solyc10g085290	1050	349	37.645	5.03
<i>SIBAG5</i>	Solyc04g014740	300	99	11.512	4.54
<i>SIBAG6</i>	Solyc01g095320	3444	1157	128.578	5.12
<i>SIBAG7</i>	Solyc03g083970	1188	395	45.279	9.43
<i>SIBAG8</i>	Solyc06g072430	1122	373	42.504	5.66
<i>SIBAG9</i>	Solyc10g084170	513	170	19.428	10.26
<i>SIBAG10</i>	Solyc06g007240	867	278	31.528	6.28

**Table S2 Primer sequences designed for RT-qPCR assays**

<b>Gene name</b>	<b>Accession numbers</b>	<b>Forward primer 5'-3' sequences</b>	<b>Reverse primer 5'-3' sequences</b>
<i>SIBAG1</i>	Solyc03g026220	TTCGCCTACACCAGCGAAAC	CCTGGTGCGGGATCAAATGT
<i>SIBAG2</i>	Solyc06g035720	GCAAACAGCAGCACCAATCG	GGCGCTGGAGTGGAATCAAA
<i>SIBAG3</i>	Solyc08g080320	AAGAATGCAGGTGAAAAGGGT	GCTTCATTGACACTTTGGCAT
<i>SIBAG4</i>	Solyc10g085290	GGGTTGGAAGCCTGAATGCC	CAAGCACGGGTCTAGGAGGA
<i>SIBAG5</i>	Solyc04g014740	CAGTCAGGGAGCTGAGACGA	CGCCACCTCTCTCTTTGCAT
<i>SIBAG6</i>	Solyc01g095320	AGGAACCGGTGGATGGAAGT	TGGTCATCTGCTAGACCGAGT
<i>SIBAG7</i>	Solyc03g083970	TGATGGTCCGATCTGCAAAG	GGCACCATCTGGCATATCAA
<i>SIBAG8</i>	Solyc06g072430	CACGATGTAGCACCGCTGAA	TCGAGCATTGGACAGTCCGT
<i>SIBAG9</i>	Solyc10g084170	GGCGGAGTTGATTCTGGAGAG	AGCTGCCGGAAACAATGGAG
<i>SIBAG10</i>	Solyc06g007240	GCACAAGGGACAGCTAAAGA	TGGGGATTGATTTGGTGCAT
<i>Actin</i>	Solyc04g011500	GCGAGAAATTGTCAGGGACGT	TGCCCATCTGGGAGCTCAT

The genes are identified from the Sol Genomics Network (<http://solgenomics.net/>).

**Table S3 Primer sequences designed for pGBKT7 vectors construction**

<b>Gene name</b>	<b>Accession numbers</b>	<b>Forward primer 5'-3' sequences</b>	<b>Reverse primer 5'-3' sequences</b>
<i>SIBAG9</i>	Solyc10g084170	atggccatggaggccgaattcATGGAGAAT CTCTTCAATTGGTCC	ccgctgcaggtcgacggatccGCTGCCGGAAAC AATGGAG

**Table S4 Primer sequences designed for pGADT7 vectors construction**

<b>Gene name</b>	<b>Accession numbers</b>	<b>Forward primer 5'-3' sequences</b>	<b>Reverse primer 5'-3' sequences</b>
<i>Hsp17.7A</i>	Solyc06g076520	gccatggaggccagtgaattcATGTCTCTGAT CCCAAGAATTTTCG	cagctcgagctcgatggatccACCAGAGATCT CAATGGACTTGACC
<i>Hsp17.7B</i>	Solyc09g015020	gccatggaggccagtgaattcATGTCTCTTA TTCCAAGCTTCTTTGG	cagctcgagctcgatggatccACCAGAAATG TCAATGGCCTTC
<i>Hsp17.6B</i>	Solyc06g076560	gccatggaggccagtgaattcATGTCTCTGA TCCCAAGAATTTTCG	cagctcgagctcgatggatccACCAGAAATC TCAATGGACTTGACC
<i>Hsp17.6C</i>	Solyc06g076570	gccatggaggccagtgaattcATGTCACTGA TCCCAAGAATCTTCG	cagctcgagctcgatggatccACCAGAGATC TCAATGGACTTGACA

**Table S5 Primer sequences designed for p2YC and p2YN vectors construction.**

<b>Gene name</b>	<b>Accession numbers</b>	<b>Forward primer 5'-3' sequences</b>	<b>Reverse primer 5'-3' sequences</b>
<i>SIBAG9</i>	Solyc10g084170	atttacgaacgatagttaattaacATGGAGAATCTC TTCAATTGGTCC	actgccacctcctccactagtGCTGCCGGAAACAAT GGAG
<i>Hsp17.7A</i>	Solyc06g076520	atttacgaacgatagttaattaacATGTCTCTGATCC CAAGAATTTTCG	actgccacctcctccactagtACCAGAGATCTCAAT GGACTTGACC
<i>Hsp17.7B</i>	Solyc09g015020	atttacgaacgatagttaattaacATGTCTCTTATTC CAAGCTTCTTTGG	actgccacctcctccactagtACCAGAAATGTCAAT GGCCTTC
<i>Hsp17.6B</i>	Solyc06g076560	atttacgaacgatagttaattaacATGTCTCTGATCC CAAGAATTTTCG	actgccacctcctccactagtACCAGAAATCTCAAT GGACTTGACC
<i>Hsp17.6C</i>	Solyc06g076570	atttacgaacgatagttaattaacATGTCACCTGATC CCAAGAATCTTCG	actgccacctcctccactagtACCAGAGATCTCAAT GGACTTGACA

The genes are identified from the Sol Genomics Network (<http://solgenomics.net/>).