

**Table S2. Primers used for qRT-PCR.**

Primer Name	Sequence (5'to3')
ZmBBX1-RF	AACCGTGCTTGTCTTCAT
ZmBBX1-RR	TTATCTTCCTTACTGCTACCATT
ZmBBX2-RF	GATTAAGAGTTACAGTGACAT
ZmBBX2-RR	TGACAGATATTAGAGGACAT
ZmBBX3-RF	TTGTGCTGATGAATGTTC
ZmBBX3-RR	TGAGTATTGCTTGAATGATAG
ZmBBX5-RF	CTTATTGATTGCCTGTATGA
ZmBBX5-RR	GCTCGTAGTGATGATAGT
ZmBBX7-RF	GATTGTTAGAACTCTGTATAG
ZmBBX7-RR	AACTGAATTGAACTTGTG
ZmBBX9-RF	CACAAACACAAAGCACAA
ZmBBX9-RR	TCTTCCTCCTCTTCTTCTT
ZmBBX10-RF	GATCATCAGTTCGTCTTC
ZmBBX10-RR	ACACTACTATGGTTCTAGG
ZmBBX11-RF	GTTTCTTCTCCTGCTGTG
ZmBBX11-RR	AAGTGTGCTTAGAGTTATCAT
ZmBBX12-RF	CACGGTCGAATTCCACTG
ZmBBX12-RR	ATTCCACTCGCTGTTTCTAG
ZmBBX13-RF	CATCTATCTCGCTCGTAG
ZmBBX13-RR	CATCCTTCTTTACAACAATA
ZmBBX15-RF	CGTTTGTGTTGTTGTTCT
ZmBBX15-RR	TATGTTGTGTAATCAAGTCA
ZmBBX16-RF	CGACCAGTTCTACTAATAG
ZmBBX16-RR	GCCTTTCCAATTATAGCA
ZmBBX17-RF	TTCGCTCCTGATGTGTA
ZmBBX17-RR	TGGTATTAGCATAGCAACAA
ZmBBX18-RF	TGGAATGGAACTCTTGTAATC
ZmBBX18-RR	AACTAATAGGCAGCAGGT
ZmBBX20-RF	ATCACTGGAGAGCACAAAC
ZmBBX20-RR	ATTCATCCTAACACTTGGTATCT
ZmBBX21-RF	TTAGTTAGTTGGTTCTACACATC
ZmBBX21-RR	AGCAGGGTTTCGTCTTAA
ZmBBX24-RF	TAGCACCGCTCAGCTCCGCTC
ZmBBX24-RR	TGCCGCGACGCGAGGAAGTTG
ZmBBX25-RF	GACAAGAATGAACAAACAA
ZmBBX25-RR	GATTATCGCCATAAGGAG
ZmBBX26-RF	GTAGGTCTTAGTGTGAAC
ZmBBX26-RR	ATGAACTCGTATAGAACAG
ZmBBX27-RF	ATCCCTCCCTCTCCTCTCC
ZmBBX27-RR	CTTCCCACGCCGCAGACAT

ZmBBX29-RF	CTGTGAGCCTGAGACTGA
ZmBBX29-RR	GCGGTAAGCCATTGTCAA
ZmBBX30-RF	TTCCCTAACATCTACAGTA
ZmBBX30-RR	CTTCTTCTACGCTGAATG
ZmBBX31-RF	TTCTTCCTCTGTCATTATTG
ZmBBX31-RR	GAGCCGATAGAGATGTATA
ZmBBX32-RF	GATTCCACACCAGATAAG
ZmBBX32-RR	CTATTCCAGCATCATCAA
ZmBBX33-RF	GTATTGATTAGACTTGTGA
ZmBBX33-RR	TAATAGTGATGCGGATAA
ZmBBX34-RF	TGTATAGGGAGGAGTAGTAA
ZmBBX34-RR	GCGGTATAGATTGGTGAT
ZmBBX35-RF	GTTGGTGAACGAACTAGG
ZmBBX35-RR	GTAAAGCGATGACGATGA