

TaHDT701-A : ATGGAGTCTGGGGCCTTGAGGTTAAGCCTAACCCAGTCCCGTCAAGGTTTCACCTGATGATGAGCCACTTCCCTCCATCTCTCCCAGGGTGCCTTGGTGAAGTCAAGA : 106
 TaHDT701-B : ATGGAGTCTGGGGCCTTGAGGTTAAGCCTAACCCAGTCCCGTCAAGGTTTCACCTGATGATGAGCCACTTCCCTCCATCTCTCCCAGGGTGCCTTGGTGAAGTCAAGA : 106
 TaHDT701-D : ATGGAGTCTGGGGCCTTGAGGTTAAGCCTAACCCAGTCCCGTCAAGGTTTCACCTGATGACGAGCAGTCCCTCCATCTCTCCCAGGGTGCCTTGGTGAAGTCAAGA : 106

TaHDT701-A : AGGATGACAAGGCAACCATGTTTCGTCACAGATTGGCGACCAGAAGCTAGCCATCGGGACCCCTCTCTACTGACAAGTTCCTCCAGATCCAGTTCGACCTCGTCTTTGA : 212
 TaHDT701-B : AGGATGACAAGGCAACCATGTTTCGTCACAGATTGGCGACCAGAAGCTAGCCATCGGGACCCCTCTCTACTGACAAGTTCCTCCAGATCCAGTTCGACCTCGTCTTTGA : 212
 TaHDT701-D : AGGATGACAAGGCAACCATGTTTCGTCACAGATTGGCGACCAGAAGCTAGCCATCGGGACCCCTCTCTACTGACAAGTTCCTCCAGATCCAGTTCGACCTCGTCTTTGA : 212

TaHDT701-A : GAAGGAGTTTGGAGCTTCACACAATTCCAAGACCTCCAGCGTCTTCTTCTCTGGCTACAAGGTCTCCAGCCTGCCGACGGAGATGAGATGGATTTTGGATTCCCGAG : 318
 TaHDT701-B : GAAGGAGTTTGGAGCTTCACACAATTCCAAGACCTCCAGCGTCTTCTTCTCTGGCTACAAGGTCTCCAGCCTGCCGACGGAGATGAGATGGATTTTGGATTCCCGAG : 318
 TaHDT701-D : GAAGGAGTTTGGAGCTTCACACAATTCCAAGACCTCCAGCGTCTTCTTCTCTGGCTACAAGGTCTCCAGCCTGCCGACGGAGATGAGATGGATTTTGGATTCCCGAG : 318

TaHDT701-A : GAAGAGTCTGAGGAGGAG---GAAGAGAAGATCATCCAGCACTCACCAAGGAGATGGCAAACCTGAAGCCAAGGAGCAGAAGAAGCAGGTTAAGATTGACACTG : 421
 TaHDT701-B : GATGAGTCTGAGGAGGAG---GAAGAGAAGATCATCCAGCACTCACCAAGGAGATGGCAAACCTGAAGCCAAGGAGCAGAAGAAGCAGGTTAAGATTGACACTG : 421
 TaHDT701-D : GACGAGTCTGAGGAGGAGGAGGAAGAGAAGATCATCCAGCACTCACCAAGGAGATGGCAAACCTGAAGCCAAGGAGCAGAAGAAGCAGGTTAAGATTGACACTG : 424

TaHDT701-A : CTGCCCTTCAAAGTCAAAGGCTGCTGCCAAGGATGTGGGAAAATCTAACCAAGGATGATGACAGCGATGATGATGATGACAGTATGAGGATGACAGCCAAAGTGA : 527
 TaHDT701-B : CTGCCCTTCAAAGTCAAAGGCTGCTGCCAAGGATGTGGGAAAATCTAACCAAGGATGATGACAGCGATGATGATGATGACAGTATGAGGATGACAGCCAAAGTGA : 527
 TaHDT701-D : CTGCACATTCCAAAGTCAAAGGCTGCTGCCAAGGATGTGGGAAAATCTAACCAAGGATGATGACAGCGATGATGATGATGACAGTATGAGGATGACAGCCAAAGTGA : 530

TaHDT701-A : CTCTGGTATGATGAGGACATTGATTCCTATGGAGGATGATTCTGATGATAGTGAAGCCGGTATGATTCCTCTGATGATAGTGAAGGATAGCTCTGATGAGGAGGAA : 633
 TaHDT701-B : CTCTGGTATGATGAGGACATTGATTCCTATGGAGGATGATTCTGATGATAGTGAAGCCGGTATGATTCCTCTGATGATAGTGAAGGATAGCTCTGATGAGGAGGAA : 633
 TaHDT701-D : CTCTGGTATGATGAGGACATTGATTCCTATGGAGGATGATTCTGATGATAGTGAAGCCGGTATGATTCCTCTGATGATAGTGAAGGATAGCTCTGATGAGGAGGAA : 636

TaHDT701-A : GAAGAAACACCCAAGAAGCAAGAGACTGGGAAGAAGAGGGCGGCTGGAAGCGTGTGAAGACCCCTGTTACTGACAAGAAGGCCAAGATTGCAACACCGTCAGGCC : 739
 TaHDT701-B : GAAGAAACACCCAAGAAGCAAGAGACTGGGAAGAAGAGGGCGGCTGGAAGCGTGTGAAGACCCCTGTTACTGACAAGAAGGCCAAGATTGCAACACCGTCAGGCC : 739
 TaHDT701-D : GAAGAAACACCCAAGAAGCAAGAGACTGGGAAGAAGAGGGCGGCTGGAAGCGTGTGAAGACCCCTGTTACTGACAAGAAGGCCAAGATTGCAACACCGTCAGGCC : 742

TaHDT701-A : AGAAGACAGGTGACAAGAAGGGAGCTGTCCATGTGGCGACTCCTCACCCGGCCAAGAAGGCAGGCAAGACCCCGGTACCAGCGCAAGTCGCCCAAGTCTGGAGG : 845
 TaHDT701-B : AGAAGACAGGTGACAAGAAGGGAGCTGTCCATGTGGCGACTCCTCACCCGGCCAAGAAGGCAGGCAAGACCCCGGTACCAGCGCAAGTCGCCCAAGTCTGGAGG : 845
 TaHDT701-D : AGAAGACAGGTGACAAGAAGGGAGCTGTCCATGTGGCGACTCCTCACCCGGCCAAGAAGGCAGGCAAGACCCCGGTACCAGCGCAAGTCGCCCAAGTCTGGAGG : 848

TaHDT701-A : GTCGGTTCGCGTGAAGTCGTCAGCAAGACATTCAACAGCGAGGGCGCTCTAGCTTCGCACCTCGAAGGCCAAGCATGAGGCCAAGTAG : 933
 TaHDT701-B : GTCGGTTCGCGTGAAGTCGTCAGCAAGACATTCAACAGCGAGGGCGCTCTAGCTTCGCACCTCGAAGGCCAAGCATGAGGCCAAGTAG : 933
 TaHDT701-D : GTCGGTTCGCGTGAAGTCGTCAGCAAGACATTCAACAGCGAGGGCGCTCTAGCTTCGCACCTCGAAGGCCAAGCATGAGGCCAAGTAG : 936

Figure S1. Nucleotide sequences alignment at the coding regions of allelic *TaHDT701-A*, *TaHDT701-B*, and *TaHDT701-D*. The nucleotide sequences of *TaHDT701-A*, *TaHDT701-B*, or *TaHDT701-D* are derived from wheat A, B or D genome, respectively. Variations among *TaHDT701-A*, *TaHDT701-B*, or *TaHDT701-D* nucleotide sequences are shaded in dark. Regions chosen for the *TaHDT701* silencing are underlined in dark.

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TaHDT701-A : MEFWGLEVKENQSVKVSFDDDHFLHLSCGAIGEVKK--DDKATMEVKI-GDQRILAIGTLSDKKPQIQFILVPKEFLSHNSKTS : 83
TaHDT701-B : MEFWGLEVKENQSVKVSFDDDHFLHLSCGAIGEVKK--DDKATMEVKI-GDQRILAIGTLSDKKPQIQFILVPKEFLSHNSKTS : 83
TaHDT701-D : MEFWGLEVKENQSVKVSFDDDHFLHLSCGAIGEVKK--DDKATMEVKI-GDQRILAIGTLSDKKPQIQFILVPKEFLSHNSKTS : 83
HvHDT701 : MEFWGLEVKENQSVKVSFDDDHFLHLSCAIGEVKK--DDKTLLEVKVDGGRILAIGTLSDKKPQIQFILVPKEFLSHNSKTT : 84
BdHDT701 : MEFWGLELELKPGQTVKVEPEPEHLHLSCGAIGESKK--DDKATMEVKIDG-KKLAIGTLSDKKPQIQFILVPKEFLSHNSSKSS : 83
OsHDT701 : MEFWGLEVKEGQTVKCEPEDERLHLSCAIGESKK-GSDNAVVMVVT-DDQRIVIGTLSDKKPQIQFILVPKEFLSHNSKTA : 84
AtHD2A : MEFWGLEVSGKPTVPEEGIIIHVSCAIGECHNKKGEFVTHVK-GNQNIVLGTLSTENIPOLFCILVPKEFLSHNSKWGK : 85
AtHD2B : MEFWGVAVTEPKNAKVTEEDSVHISCASL-DCVVKSGESVVSVV-GGAKIVIGTLSDKKPQIQFILVPKEFLSHNSGTKA : 84
AtHD2C : MEFWGVEVNGKPEHLELGLDRIVHISCVAIGESKNNVTPEICLVVVG-GSKRILIGTLSHEKKPQIQFILVPKEFLSHNSHWTNGK : 85

TaHDT701-A : SVFFSGYKVFQPAEGDEMFDSEESEEEEE--KIIPALTKENGKPEAKEQ--KKQVKIDTAAPSSKSKPAAKDGGKSNKDDSSD : 165
TaHDT701-B : SVFFSGYKVFQPAEGDEMFDSEESEEEEE--KIIPALTKENGKPEAKEQ--KKQVKIDTAAPSSKSKAAAKDVGKSKKDDSSD : 165
TaHDT701-D : SVFFSGYKVFQPAEGDEMFDSEESEEEEE--KIIPALTKENGKPEAKEQ--KKQVKIDTAAPSSKSKAAAKDVGKSKKDDSSD : 166
HvHDT701 : SVFFSGYNVFPQAEGDEMFDSEESESEDEQPEIIPAVAKENGKPEAKEQ--KKQVLIDTGS--SKSKAAAKDIGKSKKDDSSD : 167
BdHDT701 : SVFFSGYKVFQPAEGDEMFDSEESESEDEEEEAVIPVTKENGKAKEGKQ---KQVKIDAGS--SKAKPVLKAVGNKKGGDESSD : 164
OsHDT701 : SVFFSGYKVSQPAEGDEMFDSEEVEDEEEEE--EKIPAPRANGKVECKNECKQQKTDSSA--SKSKAAVN-----DDDD : 159
AtHD2A : SVYFVGYKTPNIEPQGYSEEEEEEE--EVPA-----GNA-----AKAVAKPAKPAEVKPAVD-----DEEESDS : 145
AtHD2B : NVHFIGYKSPNIEQDFTSSEDVPEAVPAP---APTAVTANGNAGAV---VKADTKPAKPAEVKPAEEKPES--DEEESDS : 162
AtHD2C : SVFFSGYKVF-----TASTPEPEDLLDDCLE-----AAGFKAAPKSAAKC---VNFCLPNED--VKAKQDDDALGS---EEESDS : 152

TaHDT701-A : DSDEDDDSQDDSGDDGALIPMEDDSDSEDGDDSSDDSESSDE--EEETPPKKCE--TGKRAAG--SVLKTPVTTKKAK-----IAT : 243
TaHDT701-B : DSDEDDDSQDDSGDDGALIPMEDDSDSEDGDDSSDDSESSDE--EEETPPKKCE--TGKRAAG--SVLKTPVTTKKAK-----IAT : 243
TaHDT701-D : DSDEDDDSQDDSGDDGALIPMEDDSDSEDGDDSSDDSESSDE--EEETPPKKCE--TGKRAAG--SVLKTPVTTKKAK-----IAT : 244
HvHDT701 : G--SDDDDSEDDS--ADGALIPMGDSDSEDGEDSDSDESSDE--EEETPPKKCE--TGKRAAG--SDLKTPVATTKKAK-----IAT : 243
BdHDT701 : E--ESDEDDD-----TADLSDDDSGSEDG-----TSEESDE--EEETPPKS---TCKKRAAE--TVLKTPASIKAK-----AAT : 228
OsHDT701 : E--SDDEDSEED-----LSEPDDDDDSSEDD-----SSEDEDESEDEETPKKE--TGKRVAAE--IVLKTPASIKAK-----IAT : 227
AtHD2A : E-----GMD--EDSDG-----EDSE---EEETPPKP--ASKKRANE--TTEPAFVSAKKAK-----VAV : 194
AtHD2B : E--ESEEDDD-----EKGMDVTEDDSLDD-----EEDSEDE--EEETPPKPE--PINKKRPNE--SVSKTPVSGKKAPAAPAST : 234
AtHD2C : E--ESENSGGEE-----EEKVTAESSEEDD-----SSDEEDSSEETPKKE--EFKKRSAE--PNSSKNFASNKAKKAK-----FVT : 220

TaHDT701-A : ESGQKTGDKKRGAVHVATPHPAKKAGK-----TPATS---DKSPKSGG--SVACKSCSRTFNSEGALASHSSKAKH--EAK----- : 310
TaHDT701-B : ESGQKTGDKKRGAVHVATPHPAKKAGK-----TPATS---EKSPKSGG--SVACKSCSRTFNSEGALASHSSKAKH--EAK----- : 310
TaHDT701-D : ESGQKTGDKKRGAVHVATPHPAKKAGK-----TPATS---EKSPKSGG--SVACKSCSRTFNSEGALASHSSKAKH--EAK----- : 311
HvHDT701 : ESGQKTGDKKRGAVHVATPHPAKKVGK-----TPATS---DKSPKSGG--SVACKSCSRTFNSEVALASHAKAKH--AAK----- : 310
BdHDT701 : ESGQKTGDKKRGAVHVATPHPAKKASK-----TPATS---DKSPKSGG--SVACKSCSRTFNSETALQSHSKAKHNEAK----- : 296
OsHDT701 : ESGQKTGDKKRG--VHVATPHPAKCASK-----TFVNDKSKESPKSGGSISCKSCSRTFNSEMALQSHSKAKH--PAK----- : 297
AtHD2A : E--QKTDEKKKGGGK-----AA--NCSPKSASQVSCG--SCKKTFNSGNALESHNKAKHAAAK----- : 245
AtHD2B : E--QKTEKKKGGGTATPHPAKKGGK-----SEVNA--NCSPKSGGCSSGGNNNKRFNSGKQFGGSNNKSNKGKGGRA : 306
AtHD2C : E--QKTDSKKPHVHVATPHPSHCAGNSGGGTGETSK--QCQTPKSAG--AFGCKSCSRTFETSEMCLQSHTKAKHSAAA----- : 294

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Figure S2. Sequences comparison of plant HD2 proteins. TaHDT701-A, TaHDT701-B, and TaHDT701-D proteins had more than 51% amino acid sequence identities with HvHDT701 (EU348775) from *Hordeum vulgare*, BdHDT701 (XP_003567768) from *Brachypodium distachyon*, OsHDT701 (Os05g51830) from *Oryza sativa* and AtHD2A (AT3G44750), AtHD2B (AT5G22650), and AtHD2C (AT5G03740) from *Arabidopsis thaliana*. Identical residues among 9 protein sequences are shaded in dark. The catalytic domain followed by an extended acidic regulatory domain is underlined. The cysteine and histidine residues of the zinc finger are marked by the dark asterisk.

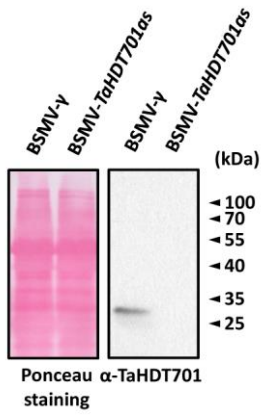


Figure S3. Immunoblot analysis of wheat total protein using the α -TaHDT701 antibody. Total proteins were extracted from the wheat leaves separately infected with BSMV- γ and BSMV-TaHDT701as and subjected to immunoblotting with the α -TaHDT701 antibody. The same protein gel was stained with Ponceau Red to show equal loading.

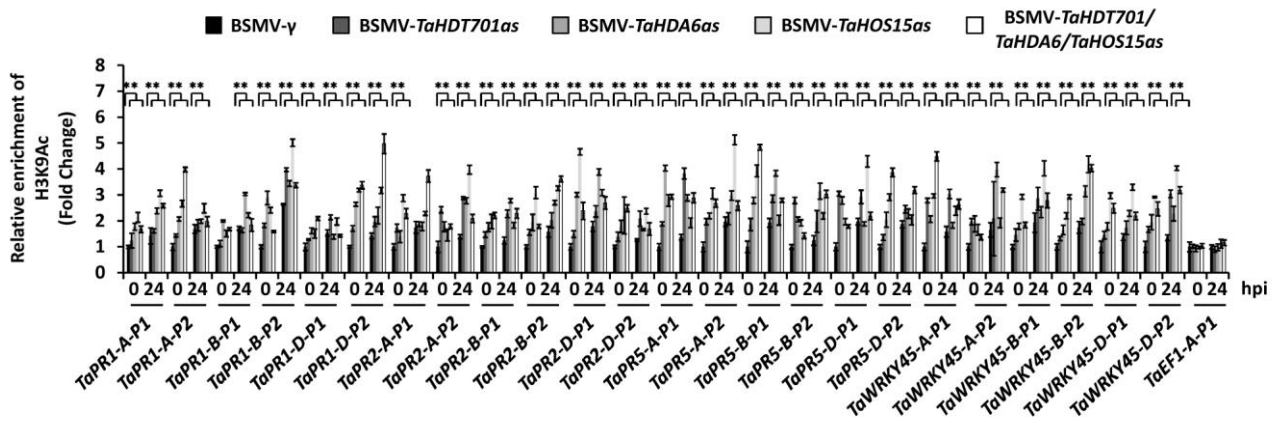


Figure S4. ChIP-qPCR analysis of H3K9Ac at promoter regions of *TaPR1*, *TaPR2*, *TaPR5* and *TaWRKY45* on wheat plants with different background. Antibodies α -H3K9Ac were used for immunoprecipitation. Before ChIP-qPCR analysis, the wheat leaves with a typical BMSV symptom were inoculated with *Bgt* conidia for 0 and 24 hours. The histone acetylation level in BSMV- γ wheat leaves were set to 1.0 at 0 hpi after normalization by histone H3 ChIP. The fragments employed for ChIP-qPCR analysis are indicated in Figure 5A.

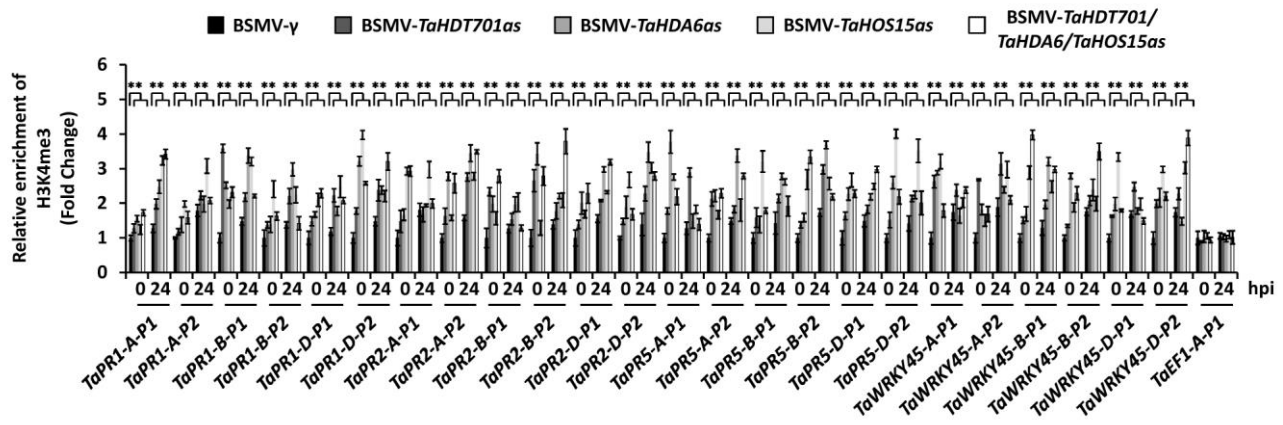


Figure S5. ChIP-qPCR analysis of H3K4me3 at promoter regions of *TaPR1*, *TaPR2*, *TaPR5* and *TaWRKY45* on wheat plants with different background. Antibodies α -H3K4me3 were used for immunoprecipitation. Before ChIP-qPCR analysis, the wheat leaves with a typical BMSV symptom were inoculated with *Bgt* conidia for 0 and 24 hours. The histone acetylation level in BSMV- γ wheat leaves were set to 1.0 at 0 hpi after normalization by histone H3 ChIP. The fragments employed for ChIP-qPCR analysis are indicated in Figure 5A.

■ BSMV- γ ■ BSMV-*TaHDT701as* ■ BSMV-*TaHDA6as*
□ BSMV-*TaHOS15as* □ BSMV-*TaHDT701/TaHDA6/TaHOS15as*

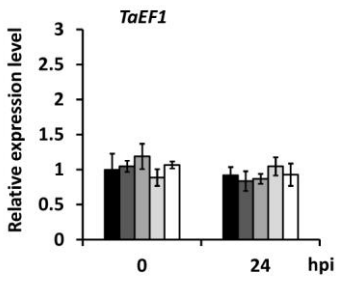


Figure S6. RT-PCR analysis of *TaEF1* expression levels on wheat plants with different background. The expression levels in BSMV- γ wheat leaves at 0 hpi were set to 1.0.

Table S1. Primers used in this study

Primer Name	Sequence	Annotation
TaHDT701-F1	5' AAATCCATCCGTCCTCCGTC3'	First round nested PCR for <i>TaHDT701</i> cloning, forward (F) primer
TaHDT701-R1	5' ATAAGGATGAGGCTAGGTAAG3'	First round nested PCR for <i>TaHDT701</i> cloning, reverse (R) primer
TaHDT701-F2	5' CCGGTTGCCATGGAGTTCTG3'	Second round nested PCR for <i>TaHDT701</i> cloning, F primer
TaHDT701-R2	5' CATAGGAGGCAGCCAGCCAGC3'	Second round nested PCR for <i>TaHDT701</i> cloning, R primer
BSMV- <i>TaHDT701as</i> -F	5'AAGGAAGTTAAGATGTCTTGCTGCCTTCTTG G3'	For construct of BSMV- <i>TaHDT701as</i> , F primer
BSMV- <i>TaHDT701as</i> -R	5'AACCACCACCACCGTCTTGATGATTCCTCTGAT GATAG3'	For construct of BSMV- <i>TaHDT701as</i> , R primer
TIGS-TaHDT701-F	5'GGGACAAGTTTGTACAAAAAAGCAGGCTTCG TCTTGCTGCCTTCTTGG3'	For construct of TIGS-TaHDT701, F primer
TIGS-TaHDT701-R	5'GGGACCACCTTTGTACAAGAAAGCTGGGTCTG ATGATTCCTCTGATGATAG3'	For construct of TIGS-TaHDT701, R primer
pLexA-TaHDT701-F	5'GGGACAAGTTTGTACAAAAAAGCAGGCTTCA TGGAGTTCTGGGGCCTTGAG3'	For construct of pLexA-TaHDT701, F primer
pLexA-TaHDT701-R	5'GGGACCACCTTTGTACAAGAAAGCTGGGTCTT ACTTGGCCTCATGCTTGG3'	For construct of pLexA-TaHDT701, R primer
pCAMBIA-YN-TaHDT701-F	same with the primer ' pLexA-TaHDT701-F '	For construct of pCAMBIA-YN-TaHDT701, F primer
pCAMBIA-YN-TaHDT701-R	same with the primer ' pLexA-TaHDT701-R '	For construct of pCAMBIA-YN-TaHDT701, R primer
pCAMBIA-YC-TaHDA6-F	5'GGGACAAGTTTGTACAAAAAAGCAGGCTTCA TGGCGGCTCCGGCAGGGAG3'	For construct of pCAMBIA-YC-TaHDA6, F primer
pCAMBIA-YC-TaHDA6-R	5'GGGACCACCTTTGTACAAGAAAGCTGGGTCTT ACAAATCATCATTGATG3'	For construct of pCAMBIA-YC-TaHDA6, R primer
pCAMBIA-YN-TaHOS15-F	5'GGGACAAGTTTGTACAAAAAAGCAGGCTTCA TGGGAGCGATAACCTCGG3'	For construct of pCAMBIA-YC-TaHOS15, F primer
pCAMBIA-YN-TaHOS15-R	5'GGGACCACCTTTGTACAAGAAAGCTGGGTCTT ACATCTGAAATCCATG3'	For construct of pCAMBIA-YC-TaHOS15, R primer
pCAMBIA-nLUC-TaHDT701-F	same with the primer ' pLexA-TaHDT701-F '	For construct of pCAMBIA-nLUC-TaHDT701, F primer
pCAMBIA-nLUC-TaHDT701-R	same with the primer ' pLexA-TaHDT701-R '	For construct of pCAMBIA-nLUC-TaHDT701, R primer
pCAMBIA-cLUC-TaHDA6-F	same with the primer ' pCAMBIA-YC-TaHDA6-F '	For construct of pCAMBIA-cLUC-TaHDA6, F primer
pCAMBIA-cLUC-TaHDA6-R	same with the primer ' pCAMBIA-YC-TaHDA6-R '	For construct of pCAMBIA-cLUC-TaHDA6, R primer
pCAMBIA-cLUC-TaHOS15-F	same with the primer ' pCAMBIA-YN-TaHOS15-F '	For construct of pCAMBIA-cLUC-TaHOS15, F primer
pCAMBIA-cLUC-TaHOS15-R	same with the primer ' pCAMBIA-YN-TaHOS15-F '	For construct of pCAMBIA-cLUC-TaHOS15, R primer
pGEX4T-TaHDT701-F	5'AGGGGGATCCATGGAGTTCTGGGGCCTTGAG3 ,	For construct of pGEX4T-TaCHR729, F primer
pGEX4T-TaHDT701-R	5'AGCCGAATTCCTACTTGGCCTCATGCTTGG3'	For construct of pGEX4T-TaCHR729, R primer
qRT-PCR-TaGAPDH-F	5' TTAGACTTGCGAAGCCAGCA 3'	qRT-PCR primer for internal control gene TaGAPDH, F primer
qRT-PCR-TaGAPDH-R	5' AAATGCCCTTGAGGTTTCCC 3'	qRT-PCR primer for internal control gene TaGAPDH, R primer
qRT-PCR-TaHDT701-F	5'AAGCCTAACCAGTCCGTCAG3'	qRT-PCR assay for <i>TaHDT701</i> , F primer
qRT-PCR-TaHDT701-R	5' CTGTAGCCAGAGAAGAAGAC 3'	qRT-PCR assay for <i>TaHDT701</i> , R primer
qRT-PCR-TaHDA6-F	5' CTTGAGTGATGGTATTGATG3'	qRT-PCR assay for <i>TaHDA6</i> , F primer
qRT-PCR-TaHDA6-R	5' TAACCTCCACCTCCAAAAC3'	qRT-PCR assay for <i>TaHDA6</i> , R primer
qRT-PCR-TaHOS15-F	5' TTCTAGCTTCTGGGTCAGG3'	qRT-PCR assay for <i>TaHOS15</i> , F primer
qRT-PCR-TaHOS15-R	5' TGCTTGGCCATCATAGGAG3'	qRT-PCR assay for <i>TaHOS15</i> , R primer
qRT-PCR-TaPR1-F	5' GAGAATGCAGACGCCAAGC 3'	qRT-PCR assay for <i>TaPR1</i> , F primer
qRT-PCR-TaPR1-R	5' CTGGAGCTGCAGTCGTTGATC 3'	qRT-PCR assay for <i>TaPR1</i> , R primer
qRT-PCR-TaPR2-F	5' AGGATGTTGCTTCCATGTTTGGCCG 3'	qRT-PCR assay for <i>TaPR2</i> , F primer

qRT-PCR-TaPR2-R	5' AAGTAGATGCGCATGCCGTTGATG 3'	qRT-PCR assay for <i>TaPR2</i> , R primer
qRT-PCR-TaPR5-F	5' CTTCTACATCAAGAACAACCTG3'	qRT-PCR assay for <i>TaPR5</i> , F primer
qRT-PCR-TaPR5-R	5' CAGTCGCCGGTCTGGCAG3'	qRT-PCR assay for <i>TaPR5</i> , R primer
qRT-PCR-TaWRKY45-F	5' CTTCTCCCGCGCCATCCAC3'	qRT-PCR assay for <i>TaWRKY45</i> , F primer
qRT-PCR-TaWRKY45-R	5' CGTACTTGCGCCATGTCTG3'	qRT-PCR assay for <i>TaWRKY45</i> , R primer
qRT-PCR-TaEF1-F	5' CAGGACGTTTACAAGATTG3'	qRT-PCR assay for <i>TaEF1</i> , F primer
qRT-PCR-TaEF1-R	5' CAAAACCACGCTTCAGATC3'	qRT-PCR assay for <i>TaEF1</i> , R primer
ChIP-qPCR-TaPR1-A-P1-F	5'TTTCCTGAAGCTGGTATTG3'	ChIP-qPCR assay for TaPR1-A-P1, F primer
ChIP-qPCR-TaPR1-A-P1-R	5'CGGAAGCAACTGTATTGC3'	ChIP-qPCR assay for TaPR1-A-P1, R primer
ChIP-qPCR-TaPR1-A-P2-F	5'AGTGTTAGTAAGTTGAGAG3'	ChIP-qPCR assay for TaPR1-A-P2, F primer
ChIP-qPCR-TaPR1-A-P2-R	5'GCATATGGTTCCAGGAGGAG3'	ChIP-qPCR assay for TaPR1-A-P2, R primer
ChIP-qPCR-TaPR1-B-P1-F	5'GGGCCTGTCAAATCAGAG3'	ChIP-qPCR assay for TaPR1-B-P1, F primer
ChIP-qPCR-TaPR1-B-P1-R	5'CAAATCAACCAATACCAG3'	ChIP-qPCR assay for TaPR1-B-P1, R primer
ChIP-qPCR-TaPR1-B-P2-F	5'ACAGAAAGTGACGTCCAC3'	ChIP-qPCR assay for TaPR1-B-P2, F primer
ChIP-qPCR-TaPR1-B-P2-R	5'ACTCATGGTTAATCTAC3'	ChIP-qPCR assay for TaPR1-B-P2, R primer
ChIP-qPCR-TaPR1-D-P1-F	5'ATCATTCCAAACAGAAAG3'	ChIP-qPCR assay for TaPR1-D-P1, F primer
ChIP-qPCR-TaPR1-D-P1-R	5'CCAACCTCAATTTGTAC3'	ChIP-qPCR assay for TaPR1-D-P1, R primer
ChIP-qPCR-TaPR1-D-P2-F	5'AAAATTTACCATAGTAAG3'	ChIP-qPCR assay for TaPR1-D-P2, F primer
ChIP-qPCR-TaPR1-D-P2-R	5'TGGCTCACGTATGTAAC3'	ChIP-qPCR assay for TaPR1-D-P2, R primer
ChIP-qPCR-TaPR2-A-P1-F	5'CTAGTGACTTCGTCTAAG3'	ChIP-qPCR assay for TaPR2-A-P1, F primer
ChIP-qPCR-TaPR2-A-P1-R	5'TTTTTTGGGACTTTTTTAAC3'	ChIP-qPCR assay for TaPR2-A-P1, R primer
ChIP-qPCR-TaPR2-A-P2-F	5'GCAAACGGGAGTGGAACAG3'	ChIP-qPCR assay for TaPR2-A-P2, F primer
ChIP-qPCR-TaPR2-A-P2-R	5'GATGCATGGCGCGCTCGTG3'	ChIP-qPCR assay for TaPR2-A-P2, R primer
ChIP-qPCR-TaPR2-B-P1-F	5'GGCCGTCAGCCAGCGCG3'	ChIP-qPCR assay for TaPR2-B-P1, F primer
ChIP-qPCR-TaPR2-B-P1-R	5'GTAAAACAGAAAAGCAATC3'	ChIP-qPCR assay for TaPR2-B-P1, R primer
ChIP-qPCR-TaPR2-B-P2-F	5'TAGAACCTGTAGTACACTAG3'	ChIP-qPCR assay for TaPR2-B-P2, F primer
ChIP-qPCR-TaPR2-B-P2-R	5'CATGATAATGGACGTCACCTC3'	ChIP-qPCR assay for TaPR2-B-P2, R primer
ChIP-qPCR-TaPR2-D-P1-F	5'GTTTTATACGTGTTTCACATG3'	ChIP-qPCR assay for TaPR2-D-P1, F primer
ChIP-qPCR-TaPR2-D-P1-R	5'GAAATCCATACGAAATATAC3'	ChIP-qPCR assay for TaPR2-D-P1, R primer
ChIP-qPCR-TaPR2-D-P2-F	5'TGAAGTGTGGGCTGAATG3'	ChIP-qPCR assay for TaPR2-D-P2, F primer
ChIP-qPCR-TaPR2-D-P2-R	5'CTCCGCCTTTCTCCACG3'	ChIP-qPCR assay for TaPR2-D-P2, R primer
ChIP-qPCR-TaPR5-A-P1-F	5'GTGCTTTATCAACAGTTAC3'	ChIP-qPCR assay for TaPR5-A-P1, F primer
ChIP-qPCR-TaPR5-A-P1-R	5'CTTTCACCATGCGAGATAAC3'	ChIP-qPCR assay for TaPR5-A-P1, R primer
ChIP-qPCR-TaPR5-A-P2-F	5'TTAATCTTTAATAAAGCAG3'	ChIP-qPCR assay for TaPR5-A-P2, F primer
ChIP-qPCR-TaPR5-A-P2-R	5'GTATGACCAATGAAGCCTA3'	ChIP-qPCR assay for TaPR5-A-P2, R primer
ChIP-qPCR-TaPR5-B-P1-F	5'GATATTTAGCTTTTGAAAC3'	ChIP-qPCR assay for TaPR5-B-P1, F primer
ChIP-qPCR-TaPR5-B-P1-R	5'CAGAATTGGTTGGTGGGAC3'	ChIP-qPCR assay for TaPR5-B-P1, R primer
ChIP-qPCR-TaPR5-B-P2-F	5'ACCTCTGGTTGTTCTTC3'	ChIP-qPCR assay for TaPR5-B-P2, F primer
ChIP-qPCR-TaPR5-B-P2-R	5'TACGTTGCATTTCTGTGCA3'	ChIP-qPCR assay for TaPR5-B-P2, R primer
ChIP-qPCR-TaPR5-D-P1-F	5'ATAGCGAGTCCGTTTTG3'	ChIP-qPCR assay for TaPR5-D-P1, F primer
ChIP-qPCR-TaPR5-D-P1-R	5'GTGATGACCTCACAAATC3'	ChIP-qPCR assay for TaPR5-D-P1, R primer
ChIP-qPCR-TaPR5-D-P2-F	5'ATGTAATTTCCAGTCCACTTAG3'	ChIP-qPCR assay for TaPR5-D-P2, F primer
ChIP-qPCR-TaPR5-D-P2-R	5'GAAAAGTATGGCCAATGAAG3'	ChIP-qPCR assay for TaPR5-D-P2, R primer
ChIP-qPCR-TaWRKY45-A-P1-F	5'CTACACATGAATACCTCTG 3'	ChIP-qPCR assay for TaWRKY45-A-P1, F primer
ChIP-qPCR-TaWRKY45-A-P1-R	5'TATCCTTCTTCTCACCTTC3'	ChIP-qPCR assay for TaWRKY45-A-P1, R primer
ChIP-qPCR-TaWRKY45-A-P2-F	5'GATCAGGTGTGCCGTTGATGC3'	ChIP-qPCR assay for TaWRKY45-A-P2, F primer
ChIP-qPCR-TaWRKY45-A-P2-R	5'GGTGACGAGTGCGGTTCGTC3'	ChIP-qPCR assay for TaWRKY45-A-P2, R primer

ChIP-qPCR-TaWRKY45-B-P1-F	5'GCATTAATTTGGGCTATATG3'	ChIP-qPCR assay for TaWRKY45-B-P1, F primer
ChIP-qPCR-TaWRKY45-B-P1-R	5'CAAACCAGTTGTAAGTATTTTC3'	ChIP-qPCR assay for TaWRKY45-B-P1, R primer
ChIP-qPCR-TaWRKY45-B-P2-F	5'TGACTTCACGTCACCATGGATC3'	ChIP-qPCR assay for TaWRKY45-B-P2, F primer
ChIP-qPCR-TaWRKY45-B-P2-R	5'GGTCGTCAGCGGATGACGAG3'	ChIP-qPCR assay for TaWRKY45-B-P2, R primer
ChIP-qPCR-TaWRKY45-D-P1-F	5'CTTGACGTAGATTAATG3'	ChIP-qPCR assay for TaWRKY45-D-P1, F primer
ChIP-qPCR-TaWRKY45-D-P1-R	5'CAAGTTGTCCTTCTTCATTG 3'	ChIP-qPCR assay for TaWRKY45-D-P1, R primer
ChIP-qPCR-TaWRKY45-D-P2-F	5'TCCAACAATAGGATAGCTGG3'	ChIP-qPCR assay for TaWRKY45-D-P2, F primer
ChIP-qPCR-TaWRKY45-D-P2-R	5'CACGTCACCCTGCATCAAC3'	ChIP-qPCR assay for TaWRKY45-D-P2, R primer
ChIP-qPCR-TaEF1-A-P1-F	5'GCAATGTCCAAACACGCCA3'	ChIP-qPCR assay for TaEF1-A-P1, F primer
ChIP-qPCR-TaEF1-A-P1-R	5'GAAGAAGAAGAACGAAC3'	ChIP-qPCR assay for TaEF1-A-P1, R primer