

RT-qPCR

Name	Sequence (5'-3')	Length	Accession numbers
qP_Actin2_F	AGTGTCTGGATCGGTGGTTC	20	At3g18780
qP_Actin2_R	CCCCAGCTTTTAAAGCCTTT	20	
qP_HAI1_F	TTACGCCGGAGAAAATCATC	20	At3g18780
qP_HAI1_R	TTGAATCCGGTCTAGCTCGT	20	
qP_HAI2_F	AAAAGTGGTCGTGGAAGACG	20	AT3G52430
qP_HAI2_R	GTTCTTTCTTGACCCACCA	20	
qP_HAI3_F	GATCAACCGCTGTTGTCTCA	20	AT4G39030
qP_HAI3_R	TCGGTTGATAAAGGGACTGG	20	
qP_VSP2_F	TTGCCCTAAAGAACGACACC	20	AT5G24770
qP_VSP2_R	GAGTCCAGGGGTTGATGCT	19	
qP_ANAC019_F	TCAGCAACAACGGTACTTCG	20	AT1G52890
qP_ANAC019_R	TGCGGTTTGGGTTAGAAAAC	20	
qP_ANAC055_F	AACCGGGTTTCAGGGTTTAG	20	AT3G15500
qP_ANAC055_R	ATCCCCTCAGTTTGTGCTG	20	
qP_ANAC072_F	GAATGGGTCGTCATCGTCTT	20	AT4G27410
qP_ANAC072_R	TCCCGTTAAGAATCGTCCTG	20	
qP_BrACT2_F	GACCTTAACTCTCCCGCTATGT	23	<i>CrActin2</i> (Carubv10013961m), <i>EsActin2</i> (Thhalv10020949m)
qP_BrACT2_R	CCATCACCAGAATCCAGCACAC	21	
qP_BrHAI1_F	CGAGCTAGACCGGATTCAAG	20	<i>CrHAI1</i> (Carubv10026477m), <i>EsHAI1</i> (Thhalv10013567m)
qP_BrHAI1_R	CTCGTGACATTGCAAGTACTCC	22	
qP_BrHAI2_F	AGGAGAGATCACGGACAAAGC	21	<i>CrHAI2</i> (Carubv10009150m), <i>EsHAI2</i> (Thhalv10007705m)
qP_BrHAI2_R	CGTGTCTCTTCTTCTTCTTCTGAG	25	
qP_BrHAI3_F	ATGTCACGAGCAATAGGAGACA	22	<i>CrHAI3</i> (Carubv10024530m), <i>EsHAI3</i> (Thhalv10017797m)
qP_BrHAI3_R	GCTAGTATGAGGCAGTCATCGTC	23	

ChIP-qPCR

Name	Sequence (5'-3')	Length	Usage
HAI1_Gbox_ChIP_F	TGGTGCACGTAAGTGTTCG	22	Amplify a fragment spanning G box in the <i>HAI1</i> promoter
HAI1_Gbox_ChIP_R	CGCTCCTCTATCTGGACGAC	20	
HAI1_CDS_ChIP_F	TCGCTTCAGTCTGTGGAAGA	20	Amplify a fragment from the <i>HAI1</i> coding sequence
HAI1_CDS_ChIP_R	AACGCCGCAATAGTGAAATC	20	
EIF4A1_ChIP_F	TGTTTTGCTTCGTTTCAAGGA	21	Amplify a fragment from the <i>EIF4A</i> promoter (At3g13920)
EIF4A1_ChIP_R	GCATTTTCCCGATTACAAC	19	

Cloning into the pENTR/D-TOPO

Name	Sequence (5'-3')	Length	Accession numbers
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HAI1_topo_F	CACCATGGCTGAGATTTGTTACGA	24	AT5G59220
HAI1_topo_R	CTACGTGTCTCGTCGTAGAT	20	
HAI2_topo_F	CACCATGGCGGATATTTGTTATGA	24	AT1G07430
HAI2_topo_R	TCAAGCAACGTGTCTCTTTC	20	
HAI3_topo_F	CACCATGGCCGAGATATGTTACGA	24	AT2G29380
HAI3_topo_R	TTATCTTCTGAGATCAATCA	20	
ABI2_topo_F	CACCATGGACGAAGTTTCTCCTGC	24	AT5G57050
ABI2_topo_R	TCAATTC AAGGATTTGCTCT	20	
MPK3_topo_F	CACCATGAACCCGGCGGTGGCCA	24	AT3G45640
MPK3_topo_R	CTAACCGTATGTTGGATTGA	20	
MPK6_topo_F	CACCATGGACGGTGGTTCAGGTCA	24	AT2G43790
MPK6_topo_R	CTATTGCTGATATTCTGGAT	20	

Construction of BiFC vectors and of vectors that express fluorescent protein-fused proteins

Name	Sequence (5'-3')	Length	Usage
Ascl_HAI1_F	ATAAGAATGGCGCGCCATGGCTGAGATTTGTTACGA	36	Expression of HAI1 protein fused to the N-terminal half of YFP
Ascl_HAI1_R	ATAAGAATGGCGCGCCCTACGTGTCTCGTCGTAGAT	36	
Ascl_HAI2_F	ATAAGAATGGCGCGCCATGGCGGATATTTGTTATGA	36	Expression of HAI2 protein fused to the N-terminal half of YFP
Ascl_HAI2_R	ATAAGAATGGCGCGCCTCAAGCAACGTGTCTCTTTC	36	
Ascl_HAI3_F	ATAAGAATGGCGCGCCATGGCCGAGATATGTTACGA	36	Expression of HAI3 protein fused to the N-terminal half of YFP
Ascl_HAI3_R	ATAAGAATGGCGCGCCTTATCTTCTGAGATCAATCA	36	
Ascl_ABI2_F	ATAAGAATGGCGCGCCATGGACGAAGTTTCTCCTGC	36	Expression of ABI2 protein fused to the N-terminal half of YFP
Ascl_ABI2_R	ATAAGAATGGCGCGCCAGAGCAAATCCTTGAATTGA	36	
Ascl_MPK3_F	ATAAGAATGGCGCGCCATGAACCCGGCGGTGGCCA	36	Expression of MPK3 protein fused to the C-terminal half of YFP
Ascl_MPK3_R	ATAAGAATGGCGCGCCCTAACCGTATGTTGGATTGA	36	
Ascl_MPK6_F	ATAAGAATGGCGCGCCATGGACGGTGGTTCAGGTCA	36	Expression of MPK6 protein fused to the C-terminal half of YFP
Ascl_MPK6_R	ATAAGAATGGCGCGCCCTATTGCTGATATTCTGGAT	36	

Construction of pBICVenusAsc2 and pBICtagRFPAsc2

Name	Sequence (5'-3')	Length	Usage
Stul_Venus_F	GAAGGCCTatggtgagcaagggcgagga	28	Construction of plasmid for expression of Venus-tagged proteins
Stul_Venus_R	GAAGGCCTctgtacagctgctccatgc	28	
Stul_tagRFP_F	GAAGGCCTATGGTGAGTAAAGGTGAAGA	28	Construction of plasmid for expression of tagRFP-tagged proteins
Stul_tagRFP_R	GAAGGCCTGTTCAATTTGTGACCTAGCT	28	

Construction of vectors for recombinant protein production

Name	Sequence (5'-3')	Length	Usage
Cold_GST_F	TCGAAGGTAGGCATATGATGTCCCCTATACTAGGTTA	37	Construction of plasmid for expression of GST fusion proteins
Cold_GST_R	TTGAATTCGATCGGGCCCCTGGAACAGAACTTCCAGATCCGATTTTGGAGGATG	59	
Cold_GST_R2	GGGCCCTGGAACAGAACTTCCAGATCCGATTTTGGAGGATGGT	44	
Cold_HAI1_F	CTGTTCCAGGGGCCCATGGCTGAGATTTGTTACGA	35	Construction of plasmid for expression of GST-tagged HAI1
Cold_HAI1_R	GCTTGAATTCGATCCTACGTGTCTCGTCGTAGAT	35	

Cold_HAI2_F	CTGTTCCAGGGGCCCATGGCGGATATTTGTTATGA	35	Construction of plasmid for expression of GST-tagged HAI2
Cold_HAI2_R	GCTTGAATTCGGATCTCAAGCAACGTGTCTCTTTC	35	
Cold_HAI3_F	CTGTTCCAGGGGCCCATGGCCGAGATATGTTACGA	35	Construction of plasmid for expression of GST-tagged HAI3
Cold_HAI3_R	GCTTGAATTCGGATCTTATCTTCTGAGATCAATCA	35	
Cold_4DD_F	CTGTTCCAGGGGCCCATGAGACCGATTCAATCGCC	35	Construction of plasmid for expression of GST-tagged MKK4DD
Cold_4DD_R	GCTTGAATTCGGATCCTATGTGGTTGGAGAAGAAG	35	
Cold_MPK3_F	TCGAAGGTAGGCATATGATGAACACCGCGGTGGCCA	37	Construction of plasmid for expression of His-tagged MPK3
Cold_MPK3_R	GCTTGAATTCGGATCCTAACCGTATGTTGGATTGA	35	
Cold_MPK6_F	TCGAAGGTAGGCATATGATGGACGGTGGTTCAGGTCA	37	Construction of plasmid for expression of His-tagged MPK6
Cold_MPK6_R	GCTTGAATTCGGATCCTATTGCTGATATTCTGGAT	35	
MPK3_KI_F	caaaagcattagctatcttctcatcgctactagctcgttc	41	Mutation into the ATP binding pocket of MPK3
MPK3_KI_R	gaacgagctagtagcgatgaggaagatagctaagcttttg	41	
MPK6_KI_F	caaaagcgttagcaatttctaatcgcaacgctctcgta	41	Mutation into the ATP binding pocket of MPK6
MPK6_KI_R	taacgagagcgttgcgattaggaaaattgctaacgcttttg	41	
HAI1_PP2C_F	GACCTGCAGTGAGTCTCTTAGTTCAACGGT	30	Construction of plasmid for expression of the HAI1 PP2C domain fused to G
HAI1_PP2C_R	GACCTGCAGTCTACGTGTCTCGTCGTAGAT	30	
HAI2_PP2C_F	GACCTGCAGTTCGGTTAATGATGTTGCAGT	30	Construction of plasmid for expression of the HAI2 PP2C domain fused to G
HAI2_PP2C_R	GACCTGCAGTTCAAGCAACGTGTCTCTTTC	30	
HAI3_PP2C_F	GACCTGCAGTACGAGATACTTCAATTCC	30	Construction of plasmid for expression of the HAI3 PP2C domain fused to G
HAI3_PP2C_R	GACCTGCAGTTTATCTTCTGAGATCAATCA	30	