

**Table S2.** The primer list.

<b>Primers for plasmids construction</b>		
<b>Plasmid</b>	<b>Primer code</b>	<b>Primer sequence</b>
P <sub>JMJ14</sub> ::JMJ14-HA (XF2080)	CX5033	<u>CACCTTGACATGGTATAAACATTGG</u>
	CX3599	AGGACTTATCTCCATCTTATCA
P <sub>JMJ14</sub> ::JMJ14 $\Delta$ FYR-HA (XF2082)	CX5033	<u>CACCTTGACATGGTATAAACATTGG</u>
	CX7385	TCCACACCAAGTTTACATCC
P <sub>35S</sub> ::NAC050-CFP-HA (XF1685)	CX8188	<u>CACCATGGGTCGCGAATCTCTGGCTG</u>
	CX8189	ACTAGCTTGTCCTACTGGCGTTC
P <sub>35S</sub> ::NAC052-CFP-HA (XF1687)	CX8191	<u>CACCATGGGTCGCGAATCTGTGGCTG</u>
	CX8194	TTGTCCATTAGCATTGTTCTTCTTG
P <sub>35S</sub> ::JMJ14 $\Delta$ FYR-YFP-HA (XF2087)	CX3598	<u>CACCATGGATCAGCTTGCATCTCTAG</u>
	CX7385	TCCACACCAAGTTTACATCC
P <sub>JMJ14</sub> ::JMJ14-GFP-GUS-UTR (XF2084)	CX9280	<u>AAGGTACCTTGACATGGTATAAACATTGG</u>
	CX9281	<u>AAGTCGACAGGACTTATCTCCATCTTATCA</u>
	CX9282	<u>AACCATGGGGAGGAGCAAGCAGATAAACAC</u>
	CX9283	<u>AACCATGGGCAAGCACTGTCTCGAATTTGG</u>
P <sub>NAC050</sub> ::NAC050-GFP-GUS-UTR (XF2085)	CX9272	<u>AAGAATTCGCAGGTCGAGAGCGAGAGAT</u>
	CX9273	<u>AAGGATCCACTAGCTTGTCCACTGGCGTTC</u>
	CX9274	<u>AACCATGGACCACCGCAACATCTCTCCA</u>
	CX9275	<u>AACCATGGCAGGTTCCGTATAATAGGACG</u>
P <sub>NAC052</sub> ::NAC052-GFP-GUS-UTR (XF2086)	CX9276	<u>AAGAATTCAGAAGATGAGCGTCCTCCTTCT</u>
	CX9277	<u>AAGGATCCTTGTCCATTAGCATTGTTCTTCTTG</u>
	CX9278	<u>AACCATGGAGGCTCTAAAAACATCTCTCCAGG</u>
	CX9279	<u>AACCATGGCTGTGACTGTTTTCGGGTGAC</u>
P <sub>NAC050</sub> ::NAC050-HA-UTR (XF2088)	CX9272	<u>AAGAATTCGCAGGTCGAGAGCGAGAGAT</u>
	CX9273	<u>AAGGATCCACTAGCTTGTCCACTGGCGTTC</u>
	HX2078	<u>AACTGCAGTGAACCACCGCAACATCTCTCCA</u>
	HX2079	<u>AAAAGCTTCTGCAGCAGGTTCCGTATAATAGGACG</u>
P <sub>NAC052</sub> ::NAC052-HA-UTR (XF2089)	CX9276	<u>AAGAATTCAGAAGATGAGCGTCCTCCTTCT</u>
	CX9277	<u>AAGGATCCTTGTCCATTAGCATTGTTCTTCTTG</u>
	HX2080	<u>AACTGCAGTGAAGGCTCTAAAAACATCTCTCCAGG</u>
	HX2081	<u>AAAAGCTTCTGCAGCTGTGACTGTTTTCGGGTGAC</u>
JMJ14-pGBKT7 (XF1971)	CX5024	<u>AACCCGGGATGGATCAGCTTGCATCTCTAGC</u>
	CX5025	<u>AACTGCAGTTAAGGACTTATCTCCATCTTA</u>
NAC050-pGADT7 (XF1974)	CX8980	<u>AAGAATTCATGGGTCGCGAATCTCTGGCTG</u>
	CX8981	<u>AAGGATCCTTAAGTAGCTTGTCCACTGGCG</u>
NAC052-pGADT7 (XF1976)	CX8984	<u>AAGAATTCATGGGTCGCGAATCTGTGGCTG</u>
	CX8985	<u>AAGGATCCTTATTGTCCATTAGCATTGTTCTTC</u>

JMj14ΔJmjN-pGBKT7 (XF1977)	CX8988	AACCAAAGGCCTGCAAGCTTCT
	CX8989	GAGAATTCTAAATTTCCCACCCGG
JMj14ΔJmjC-pGBKT7 (XF1978)	CX8990	TGCTTCACTTATAGGATACCCCGG
	CX8991	CGGCGAAAGAGTTCATTGTCCAC
JMj14ΔZnF-pGBKT7 (XF1979)	CX8992	CCGTTCTCTCTTATTGTTCGAAATC
	CX8993	CTAGAAGGGGATCTTGATGCCA
JMj14ΔFYR-pGBKT7 (XF1980)	CX8994	CTCAACAGAGAGACTTAACCTATT
	CX8995	GATGATACAGAGAAAGGAGGGG
JmjN-pGBKT7 (XF1981)	HX2032	AACCCGGGAGGCCTTTGGTTGATGACGC
	HX2033	AACTGCAGCTTCAGAGGGCAAGGGGGCC
JmjC-pGBKT7 (XF1982)	HX2034	AACCCGGGATAAGTGAAGCAGATCAATACTC
	HX2035	AACTGCAGCTTTCGCCGCTGCTTGCTATAG
ZnF-pGBKT7 (XF1983)	HX2036	AACCCGGGAAGAGAGAACGGGAGTGCTTC
	HX2037	AACTGCAGCCCTTCTAGAGCTCTGACCAG
FYR-pGBKT7 (XF1986)	HX2038	AACCCGGGGAGCTTTTGAGTTCTGGATCTC
	HX2041	AACTGCAGATCCTTTTCTCCTTCCTTTATTG
FYRN-pGBKT7 (XF1984)	HX2038	AACCCGGGGAGCTTTTGAGTTCTGGATCTC
	HX2039	AACTGCAGAAGCCCTGCATCCAGAACCTC
FYRC-pGBKT7 (XF1985)	HX2040	AACCCGGGGTCCATTGTTTCAGGGTCTC
	HX2041	AACTGCAGATCCTTTTCTCCTTCCTTTATTG
NAC050-pMAL-C2-MBP (XF1996)/NAC050-pMAL-C2-GST (XF1995)	HX2046	<u>TACTTCCAATCCAATGCGATGGGTCGCGAATCTCTGGC</u>
	CX9579	<u>TTATCCACTTCCAATGCGCTAACTAGCTTGCCACTGGCGT</u>
NAC052-pMAL-C2-MBP (XF1999)/NAC052-pMAL-C2-GST (XF1998)	HX2047	<u>TACTTCCAATCCAATGCGATGGGTCGCGAATCTGTGGC</u>
	CX9581	<u>TTATCCACTTCCAATGCGCTATTGTCCATTAGCATTGTTCT</u>
FYR-pMAL-C2-GST (XF-2010)	HX0406	<u>TACTTCCAATCCAATGCGGACCAAAATGCTGCAACCAA</u>
	CX5012	<u>TTATCCACTTCCAATGCGCTAAGGACTTATCTCCATCTTATC</u>
<b>Primers for ChIP-qPCR</b>		
<b>Gene</b>	<b>Primer code</b>	<b>Primer sequence</b>
<i>At1g21290 5'</i>	HX4477	CGGTATTGGTGTGCATGTTG
	HX4478	TGGCGGAAACTATCATCAGC
<i>At1g21290 3'</i>	HX4479	ACGGAGGAATCTTCTGTGC
	HX4480	GAGAAACGAGCTACAGAGGC
<i>At1g72460 5'</i>	HX4932	CAAGCCAACGATGGATCGGA
	HX4933	AGGTCTTTTAACGGAGCGACA
<i>At1g72460 3'</i>	HX4934	CCCGTCTCAATACGCTGGTT
	HX4935	CCACCATCGGATGAAGCAGA

<i>At2g32510 5'</i>	HX4976	ACGACACCGTTTGACTCTCTC
	HX4977	AGGTTACCGCTCAGAGTTC
<i>At2g32510 3'</i>	HX4978	TGTTTCCTTCACACCTCGCTC
	HX4979	TACTCGGAGAGGATCGGACG
<i>At5g45810 5'</i>	HX4598	CGCACGAAACGCTCAATCTG
	HX4599	GATCTCGCGTTTGATGTGTGC
<i>At5g45810 3'</i>	HX4600	CACCAGCTTTGGTTGTTGTTGA
	HX4601	GTTGGCCATTTTCGGAAGACA
<i>Ta3</i>	HX4621	CAGACACTTCACTTTCTTGTTAACC
	HX4622	CAAGAAAGGTATGGCTGTATTTC
<i>Actin</i>	CX5783	CGTTTCGCTTTCCTTAGTGTTAGCT
	HX4620	CTCACCTTGAAGAAGAAGAAGATGATAC
<b>Primers for RT-qPCR and RT-PCR</b>		
<b>Gene</b>	<b>Primer code</b>	<b>Primer sequence</b>
<i>FT</i> (RT-qPCR)	CX5485	AAAACAAGTAAAACAGAAACAATC
	CX5486	GCCATAAGTAACCTTTAGAGTG
<i>NAC052</i> (RT-qPCR)	CX8565	TCGATATCCAGTGGAGCTGTC
	CX8566	GAAACCGAGAAAAACGGAAC
<i>At1g21290</i> (RT-qPCR)	HX4477	CGGTATTGGTGTGCATGTTG
	HX4478	TGGCGGAAACTATCATCAGC
<i>UBC</i> (RT-qPCR)	CX8290	TCAAATGGACCGCTCTTATC
	CX8291	CACAGACTGAAGCGTCCAAG
<i>NAC050</i> (RT-PCR)	CX8188	CACCATGGGTCGCGAATCTCTGGCTG
	CX8189	ACTAGCTTGTCCTACTGGCGTTC
<i>NAC052</i> (RT-PCR)	CX8191	CACCATGGGTCGCGAATCTGTGGCTG
	CX8194	TTGTCCATTAGCATTGTTCTTCTTG
<i>Actin</i> (RT-PCR)	CX0415	CTCAGCACCTTCCAACAGATGTGGA
	CX0416	CCAAAAAATGAACCAAGGACCAAA