

Supplementary Table S4. Putative *cis*-acting elements identified in the promoter regions of *TaWRKY* genes.

"*" means the *WRKY* gene contain this *cis*-acting element in the promoter region.

Transcript ID	Proposed name	Group	CAAT-box	TATA-box	A-box	OBP-1 site	ATGCAAAT motif	5UTR Py-rich stretch	AT-rich element	circadian	MSA-like	E2Fa
			common <i>cis</i> -acting element in promoter and enhancer regions	-30 of transcription start	<i>cis</i> -acting regulatory element	<i>cis</i> -acting regulatory element	<i>cis</i> -acting regulatory element associated to the GCN4 motif	high transcription levels	binding site of AT-rich DNA binding protein	circadian control	cell cycle regulation	E2F-binding site; G1-M transition of cell cycle
Traes_1AS_F3EAEC435.1	<i>TaWRKY1</i>	I	*	*	*					*		
Traes_1BS_EF67E5A24.1	<i>TaWRKY8</i>	I	*	*								
Traes_2AS_C407071E4.2	<i>TaWRKY23</i>	I	*	*						*		
Traes_2AS_0186B9E4F.2	<i>TaWRKY25</i>	I	*	*						*		
Traes_2AL_409AB7647.1	<i>TaWRKY26</i>	I	*	*	*			*		*		
Traes_2BL_2BA3A755A.1	<i>TaWRKY30</i>	I	*	*	*			*		*		
Traes_2BS_380EC4D1E.1	<i>TaWRKY32</i>	I	*	*	*			*			*	
Traes_2BS_D435A8999.1	<i>TaWRKY33</i>	I	*	*						*		
Traes_2DS_97E3E7CFC.1	<i>TaWRKY39</i>	I	*	*				*		*		
Traes_2DS_F6FBC974C.2	<i>TaWRKY41</i>	I	*	*	*							
Traes_4BL_EFEC50B26.2	<i>TaWRKY69</i>	I	*	*								
Traes_4DS_DC3C9DC42.2	<i>TaWRKY75</i>	I	*	*				*		*		
Traes_5AL_ED3ADED51.3	<i>TaWRKY77</i>	I	*	*						*		
Traes_5BS_C46781248.1	<i>TaWRKY82</i>	I	*	*	*	*		*				
Traes_5BL_A522C62D1.1	<i>TaWRKY83</i>	I	*	*			*			*		
Traes_5BL_17A712C94.1	<i>TaWRKY88</i>	I	*	*						*	*	
Traes_5DS_5DEA5C9E3.1	<i>TaWRKY94</i>	I	*	*		*						
Traes_5DL_21F7C6BF7.2	<i>TaWRKY96</i>	I	*	*				*			*	
Traes_5DL_46E3AC8D6.1	<i>TaWRKY98</i>	I	*	*				*		*		
Traes_5DL_4BA2CC560.2	<i>TaWRKY99</i>	I	*	*				*		*		
Traes_7BL_A46F1A830.2	<i>TaWRKY109</i>	I	*	*	*			*		*		
Traes_7DS_24C563960.1	<i>TaWRKY111</i>	I	*	*	*			*	*			
Traes_1DS_A6733B734.1	<i>TaWRKY120</i>	I	*	*	*				*	*		
Traes_3B_990298FF5.1	<i>TaWRKY133</i>	I	*	*	*		*	*	*	*		
Traes_4AL_2EEEC4B.1	<i>TaWRKY141</i>	I	*	*	*					*		
Traes_5AL_E644A6A0B.1	<i>TaWRKY145</i>	I	*	*				*		*		
Traes_5BL_D3C383CF5.1	<i>TaWRKY152</i>	I	*	*				*		*		
Traes_7AL_48C81DE03.1	<i>TaWRKY168</i>	I	*	*								
Traes_7AL_48C81DE031.1	<i>TaWRKY171</i>	I	*	*								
Traes_5BL_8BEF7F9CD.1	<i>TaWRKY86</i>	IIa	*	*				*				
Traes_5BL_90757F0CC.1	<i>TaWRKY87</i>	IIa	*	*						*		
Traes_7DL_5968FA56C.1	<i>TaWRKY113</i>	IIa	*	*	*					*		
Traes_7DL_B09854286.1	<i>TaWRKY114</i>	IIa	*	*	*			*				
Traes_7DL_F849918EA.2	<i>TaWRKY115</i>	IIa	*	*						*		
Traes_6AS_DA75BB1FD.1	<i>TaWRKY161</i>	IIa	*	*	*			*	*			
TRAES3BF003800010CFD_t1	<i>TaWRKY47</i>	IIb	*	*	*		*	*				
Traes_4AL_3E11167D9.1	<i>TaWRKY68</i>	IIb	*	*	*					*		
Traes_6AL_0C0899C15.1	<i>TaWRKY104</i>	IIb	*	*	*					*		
Traes_7AS_C9DF68E53.2	<i>TaWRKY108</i>	IIb	*	*	*					*		
Traes_6DL_AB95B0CE0.1	<i>TaWRKY164</i>	IIb	*	*	*					*		
Traes_1AS_1432A2F79.1	<i>TaWRKY2</i>	IIc	*	*								
Traes_1AL_0404BC790.1	<i>TaWRKY6</i>	IIc	*	*					*	*		
Traes_1AL_9ADA7A031.1	<i>TaWRKY7</i>	IIc	*	*								
Traes_1BL_1D865A8CC.1	<i>TaWRKY11</i>	IIc	*	*	*			*		*		
Traes_1BL_9AFA4B870.1	<i>TaWRKY12</i>	IIc	*	*	*							
Traes_1DL_D550418641.2	<i>TaWRKY15</i>	IIc	*	*				*				
Traes_1DL_5BAB0B6BC.1	<i>TaWRKY16</i>	IIc	*	*						*		
Traes_1DL_D1EC7DEA6.1	<i>TaWRKY17</i>	IIc	*	*						*		
Traes_1DL_46428511F.1	<i>TaWRKY18</i>	IIc	*	*						*		
Traes_2AS_D0C21ADB5.1	<i>TaWRKY19</i>	IIc	*	*								
Traes_2AL_1B43EA59E.1	<i>TaWRKY20</i>	IIc	*	*			*			*		
Traes_2AL_B1270662B.1	<i>TaWRKY21</i>	IIc	*	*	*					*		
Traes_2BS_F3097F116.1	<i>TaWRKY28</i>	IIc	*	*				*		*		
Traes_2BL_A69F6C5DF.1	<i>TaWRKY31</i>	IIc	*	*	*			*				
Traes_2BL_A5BFA97B9.1	<i>TaWRKY34</i>	IIc	*	*				*		*	*	
Traes_2DS_0F2500A60.1	<i>TaWRKY36</i>	IIc	*	*				*		*		
Traes_2DL_4F9F8F1F0.1	<i>TaWRKY38</i>	IIc	*	*	*			*	*	*		
Traes_3AL_67ECA2932.1	<i>TaWRKY42</i>	IIc	*	*	*					*		
Traes_3AL_1B73D2C12.1	<i>TaWRKY43</i>	IIc	*	*						*		
TRAES3BF066700160CFD_t1	<i>TaWRKY45</i>	IIc	*	*				*		*		
TRAES3BF021300010CFD_t1	<i>TaWRKY48</i>	IIc	*	*	*		*	*		*		
TRAES3BF267200010CFD_t1	<i>TaWRKY49</i>	IIc	*	*	*		*			*	*	
TRAES3BF021100090CFD_t1	<i>TaWRKY50</i>	IIc	*	*	*		*	*		*		
TRAES3BF058500060CFD_t1	<i>TaWRKY52</i>	IIc	*	*	*			*				
TRAES3BF111700140CFD_t1	<i>TaWRKY53</i>	IIc	*	*	*							
TRAES3BF090100100CFD_t1	<i>TaWRKY61</i>	IIc	*	*	*						*	
TRAES3BF045500040CFD_t1	<i>TaWRKY62</i>	IIc	*	*	*							

Traes_3DL_DF0D3F3FE.1	TaWRKY63	IIc	*	*			*		*
Traes_5AL_E566BD64E.1	TaWRKY79	IIc	*	*					
Traes_5BL_C1D6B6B74.2	TaWRKY90	IIc	*	*	*		*		*
Traes_5DL_7E2053226.2	TaWRKY97	IIc	*	*				*	*
Traes_6AL_BA4636569.1	TaWRKY102	IIc	*	*	*		*		*
Traes_6BL_DD840863A.1	TaWRKY105	IIc	*	*			*		*
Traes_6DL_D29E210A1.1	TaWRKY106	IIc	*	*	*				*
Traes_1AL_F64E07A92.1	TaWRKY116	IIc	*	*			*		
Traes_1BL_B15990028.1	TaWRKY118	IIc	*		*				
Traes_3AL_4769A72F1.1	TaWRKY125	IIc	*	*			*		
Traes_3AL_AB2BAE660.1	TaWRKY129	IIc	*	*	*		*		*
Traes_3AL_140B829CB.2	TaWRKY130	IIc	*	*	*		*		*
Traes_4AL_234E1CDF6.1	TaWRKY140	IIc	*	*			*		
Traes_4DS_CFC487CE5.2	TaWRKY143	IIc	*	*			*		*
Traes_6DS_BF71C1557.2	TaWRKY166	IIc							
Traes_2AL_434E9F101.1	TaWRKY22	IId	*	*	*		*		
Traes_2AL_15A7BB684.1	TaWRKY27	IId	*	*			*		*
Traes_2BL_6B75B32E3.1	TaWRKY35	IId	*	*	*	*		*	*
Traes_2DL_F600B5FDF.1	TaWRKY37	IId	*	*					
Traes_4AL_98B1C762B.1	TaWRKY67	IId	*	*				*	
Traes_4BS_CE839571B.2	TaWRKY71	IId	*	*	*		*		*
Traes_4DS_3BE557D5C.2	TaWRKY73	IId	*	*	*		*		
Traes_5AL_6F7D1D441.1	TaWRKY80	IId	*	*				*	
Traes_5BS_E0345D5DF.2	TaWRKY81	IId	*	*	*		*		
Traes_5BL_8688F70C9.1	TaWRKY89	IId	*	*	*	*		*	
Traes_5BL_E294922A9.2	TaWRKY91	IId	*	*	*		*		*
Traes_5DS_D83DEA9B0.1	TaWRKY93	IId	*	*	*		*		*
Traes_5BL_AEF9FE805.2	TaWRKY154	IId	*		*				
Traes_1AL_4E924201A.1	TaWRKY3	IIe	*	*					
TRAES3BF180700010CFD_t1	TaWRKY51	IIe	*	*	*			*	
TRAES3BF073300120CFD_t1	TaWRKY54	IIe	*	*	*			*	
TRAES3BF029000080CFD_t1	TaWRKY55	IIe	*	*	*				
Traes_5DL_E4A6D1889.2	TaWRKY100	IIe	*	*			*		*
Traes_6AL_A5FB7CFA5.1	TaWRKY103	IIe	*	*	*	*		*	
Traes_6DL_D4F2CDDDC.1	TaWRKY107	IIe	*	*	*			*	*
Traes_1BL_794E99FF5.1	TaWRKY119	IIe	*	*				*	
Traes_5BL_B9DD3E76F.1	TaWRKY155	IIe	*	*			*		*
Traes_1AL_309623B48.1	TaWRKY4	III	*	*				*	
Traes_1AL_B24F28600.1	TaWRKY5	III	*	*		*			
Traes_1BL_46340D685.1	TaWRKY9	III	*	*			*		
Traes_1BL_B4AFDB663.1	TaWRKY10	III	*	*					
Traes_1BL_73811B853.1	TaWRKY13	III	*	*				*	
Traes_1DL_DFE1721E0.1	TaWRKY14	III	*	*		*	*		
Traes_2AS_6269D889E.1	TaWRKY24	III	*	*	*			*	
Traes_2BS_B65714572.1	TaWRKY29	III	*	*				*	*
Traes_2DS_AD8820C42.1	TaWRKY40	III	*	*			*	*	
Traes_3AL_2297D6E18.1	TaWRKY44	III	*	*				*	
TRAES3BF051200110CFD_t1	TaWRKY46	III	*	*	*				*
TRAES3BF081400030CFD_t1	TaWRKY56	III	*	*				*	*
TRAES3BF001300030CFD_t1	TaWRKY57	III	*	*				*	
TRAES3BF005100010CFD_t1	TaWRKY58	III	*	*	*			*	
TRAES3BF005100020CFD_t1	TaWRKY59	III	*	*				*	
TRAES3BF005100030CFD_t1	TaWRKY60	III	*	*				*	
Traes_3DL_48F7A19D2.1	TaWRKY64	III	*	*	*				
Traes_4AS_70DF607CC.1	TaWRKY65	III	*	*			*	*	*
Traes_4AL_9E0D1CFA6.1	TaWRKY66	III	*	*			*	*	*
Traes_4BS_A6D9EB0E5.1	TaWRKY70	III	*	*	*			*	
Traes_4BL_A8C6FBEB6.1	TaWRKY72	III	*	*			*	*	
Traes_4DS_FE38A59D0.1	TaWRKY74	III	*	*				*	
Traes_4DL_3140A8240.1	TaWRKY76	III	*	*			*	*	
Traes_5AL_B4E8A3115.2	TaWRKY78	III	*	*					
Traes_5BL_0A3D332A8.1	TaWRKY84	III	*	*				*	
Traes_5BL_175E7FC38.1	TaWRKY85	III	*	*				*	*
Traes_5DL_C93641E43.1	TaWRKY92	III	*	*	*				*
Traes_5DL_5C93510D5.1	TaWRKY95	III	*	*	*			*	*
Traes_6AS_68775100B.1	TaWRKY101	III	*	*	*			*	
Traes_7DS_01F74C6F3.1	TaWRKY110	III	*	*	*		*		
Traes_7DL_A9EF00572.1	TaWRKY112	III	*	*				*	
Traes_2AS_1AFFE8DA6.1	TaWRKY121	III	*	*	*				
Traes_2DL_362A1F535.1	TaWRKY122	III	*	*					
Traes_3B_8B0D448D8.1	TaWRKY132	III	*	*		*	*		
Traes_3DL_2551BF2C1.1	TaWRKY136	III							
Traes_4AS_0DA136E0E.1	TaWRKY142	III	*	*	*	*		*	
Traes_5DL_09F1F8F79.1	TaWRKY160	III	*	*				*	*
Traes_7BL_53AA25AA1.1	TaWRKY169	III	*	*	*				

Transcript ID	Proposed name	Group	E2Fb	Skn-1_motif	GCN4_motif	CCGTCC-box	CAT-box	OCT	dOCT	NON-box	RY-element	HD-Zip 1	HD-Zip 2	as1	motif I
			E2F-binding site; G1-M transition of cell cycle	endosperm expression	endosperm expression	meristem specific activation	meristem expression	meristem specific activation	meristem specific activation	meristem specific activation	seed-specific regulation	differentiation of the palisade mesophyll cells	control of leaf morphology development	root-specific expression	root specific
Traes_1AS_F3EAEC435.1	TaWRKY1	I		*	*	*	*							*	
Traes_1BS_EF67E5A24.1	TaWRKY8	I		*			*								
Traes_2AS_C407071E4.2	TaWRKY23	I		*											
Traes_2AS_0186B9E4F.2	TaWRKY25	I		*	*		*				*				
Traes_2AL_409AB7647.1	TaWRKY26	I		*	*	*	*								
Traes_2BL_2BA3A755A.1	TaWRKY30	I		*		*									
Traes_2BS_380EC4D1E.1	TaWRKY32	I		*		*	*								
Traes_2BS_D435A8999.1	TaWRKY33	I		*	*										
Traes_2DS_97E3E7CFC.1	TaWRKY39	I		*	*						*				
Traes_2DS_F6FBC974C.2	TaWRKY41	I		*	*	*									
Traes_4BL_EFEC50B26.2	TaWRKY69	I		*			*								
Traes_4DS_DC3C9DC42.2	TaWRKY75	I		*											
Traes_5AL_ED3ADED51.3	TaWRKY77	I		*			*								
Traes_5BS_C46781248.1	TaWRKY82	I		*		*						*	*		
Traes_5BL_A522C62D1.1	TaWRKY83	I		*	*		*								
Traes_5BL_17A712C94.1	TaWRKY88	I		*			*								
Traes_5DS_5DEA5C9E3.1	TaWRKY94	I		*	*		*								
Traes_5DL_21F7C6BF7.2	TaWRKY96	I		*			*								
Traes_5DL_46E3AC8D6.1	TaWRKY98	I		*											
Traes_5DL_4BA2CC560.2	TaWRKY99	I		*							*				
Traes_7BL_A46F1A830.2	TaWRKY109	I		*	*	*					*				
Traes_7DS_24C563960.1	TaWRKY111	I		*	*	*									
Traes_1DS_A6733B734.1	TaWRKY120	I			*	*	*								
Traes_3B_990298FF5.1	TaWRKY133	I		*		*									
Traes_4AL_2EEECCC4B.1	TaWRKY141	I		*		*									
Traes_5AL_E644A6A0B.1	TaWRKY145	I		*							*				
Traes_5BL_D3C383CF5.1	TaWRKY152	I		*				*							
Traes_7AL_48C81DE03.1	TaWRKY168	I		*											
Traes_7AL_48C81DE031.1	TaWRKY171	I		*											
Traes_5BL_8BEF7F9CD.1	TaWRKY86	IIa		*			*								
Traes_5BL_90757F0CC.1	TaWRKY87	IIa		*											
Traes_7DL_5968FA56C.1	TaWRKY113	IIa		*											
Traes_7DL_B09854286.1	TaWRKY114	IIa													
Traes_7DL_F849918EA.2	TaWRKY115	IIa		*	*										
Traes_6AS_DA75BB1FD.1	TaWRKY161	IIa	*	*		*					*				
TRAES3BF003800010CFD_t1	TaWRKY47	IIb		*		*	*		*						
Traes_4AL_3E11167D9.1	TaWRKY68	IIb		*		*						*	*		
Traes_6AL_0C0899C15.1	TaWRKY104	IIb		*	*	*									
Traes_7AS_C9DF68E53.2	TaWRKY108	IIb		*		*	*								
Traes_6DL_AB95B0CE0.1	TaWRKY164	IIb		*	*	*									
Traes_1AS_1432A2F79.1	TaWRKY2	IIc		*	*		*								
Traes_1AL_0404BC790.1	TaWRKY6	IIc		*			*								
Traes_1AL_9ADA7A031.1	TaWRKY7	IIc					*								
Traes_1BL_1D865A8CC.1	TaWRKY11	IIc		*		*									
Traes_1BL_9AFA4B870.1	TaWRKY12	IIc		*		*				*					
Traes_1DL_D550418641.2	TaWRKY15	IIc		*	*										
Traes_1DL_5BAB0B6BC.1	TaWRKY16	IIc		*			*								
Traes_1DL_D1EC7DEA6.1	TaWRKY17	IIc		*											
Traes_1DL_46428511F.1	TaWRKY18	IIc		*											
Traes_2AS_D0C21ADB5.1	TaWRKY19	IIc		*	*		*								
Traes_2AL_1B43EA59E.1	TaWRKY20	IIc		*	*		*				*				
Traes_2AL_B1270662B.1	TaWRKY21	IIc	*	*		*									
Traes_2BS_F3097F116.1	TaWRKY28	IIc		*			*		*		*				
Traes_2BL_A69F6C5DF.1	TaWRKY31	IIc		*	*	*									
Traes_2BL_A5BFA97B9.1	TaWRKY34	IIc		*											
Traes_2DS_0F2500A60.1	TaWRKY36	IIc													
Traes_2DL_4F9F8F1F0.1	TaWRKY38	IIc		*		*	*								
Traes_3AL_67ECA2932.1	TaWRKY42	IIc		*	*	*	*								
Traes_3AL_1B73D2C12.1	TaWRKY43	IIc		*											
TRAES3BF066700160CFD_t1	TaWRKY45	IIc		*				*							
TRAES3BF021300010CFD_t1	TaWRKY48	IIc		*	*	*									
TRAES3BF267200010CFD_t1	TaWRKY49	IIc		*		*									
TRAES3BF021100090CFD_t1	TaWRKY50	IIc		*	*	*									
TRAES3BF058500060CFD_t1	TaWRKY52	IIc		*	*	*	*								*
TRAES3BF111700140CFD_t1	TaWRKY53	IIc		*	*	*									
TRAES3BF090100100CFD_t1	TaWRKY61	IIc		*	*	*									
TRAES3BF045500040CFD_t1	TaWRKY62	IIc		*	*	*					*				
Traes_3DL_DF0D3F3FE.1	TaWRKY63	IIc		*	*		*								
Traes_5AL_E566BD64E.1	TaWRKY79	IIc		*			*				*				

Traes_5BL_C1D6B6B74.2	TaWRKY90	Ile	*		*
Traes_5DL_7E2053226.2	TaWRKY97	Ile	*	*	
Traes_6AL_BA4636569.1	TaWRKY102	Ile	*		*
Traes_6BL_DD840863A.1	TaWRKY105	Ile	*		
Traes_6DL_D29E210A1.1	TaWRKY106	Ile	*	*	*
Traes_1AL_F64E07A92.1	TaWRKY116	Ile	*		*
Traes_1BL_B15990028.1	TaWRKY118	Ile	*	*	*
Traes_3AL_4769A72F1.1	TaWRKY125	Ile	*	*	
Traes_3AL_AB2BAE660.1	TaWRKY129	Ile	*	*	
Traes_3AL_140B829CB.2	TaWRKY130	Ile	*	*	
Traes_4AL_234E1CDF6.1	TaWRKY140	Ile			
Traes_4DS_CFC487CE5.2	TaWRKY143	Ile	*		*
Traes_6DS_BF71C1557.2	TaWRKY166	Ile			*
Traes_2AL_434E9F101.1	TaWRKY22	IId	*	*	*
Traes_2AL_15A7BB684.1	TaWRKY27	IId	*		
Traes_2BL_6B75B32E3.1	TaWRKY35	IId	*	*	
Traes_2DL_F600B5FDF.1	TaWRKY37	IId	*		*
Traes_4AL_98B1C762B.1	TaWRKY67	IId	*		*
Traes_4BS_CE839571B.2	TaWRKY71	IId		*	*
Traes_4DS_3BE557D5C.2	TaWRKY73	IId		*	*
Traes_5AL_6F7D1D441.1	TaWRKY80	IId	*		
Traes_5BS_E0345D5DF.2	TaWRKY81	IId	*	*	
Traes_5BL_8688F70C9.1	TaWRKY89	IId	*	*	*
Traes_5BL_E294922A9.2	TaWRKY91	IId	*	*	
Traes_5DS_D83DEA9B0.1	TaWRKY93	IId	*	*	
Traes_5BL_AEF9FE805.2	TaWRKY154	IId		*	*
Traes_1AL_4E924201A.1	TaWRKY3	Ile	*	*	*
TRAES3BF180700010CFD_t1	TaWRKY51	Ile	*	*	*
TRAES3BF073300120CFD_t1	TaWRKY54	Ile	*	*	
TRAES3BF029000080CFD_t1	TaWRKY55	Ile		*	
Traes_5DL_E4A6D1889.2	TaWRKY100	Ile	*		
Traes_6AL_A5FB7CFA5.1	TaWRKY103	Ile	*	*	*
Traes_6DL_D4F2CDDDC.1	TaWRKY107	Ile	*	*	
Traes_1BL_794E99FF5.1	TaWRKY119	Ile	*	*	
Traes_5BL_B9DD3E76F.1	TaWRKY155	Ile	*	*	
Traes_1AL_309623B48.1	TaWRKY4	III	*	*	*
Traes_1AL_B24F28600.1	TaWRKY5	III	*	*	*
Traes_1BL_46340D685.1	TaWRKY9	III	*	*	*
Traes_1BL_B4AFDB663.1	TaWRKY10	III	*		*
Traes_1BL_73811B853.1	TaWRKY13	III	*		*
Traes_1DL_DFE1721E0.1	TaWRKY14	III	*	*	*
Traes_2AS_6269D889E.1	TaWRKY24	III	*	*	*
Traes_2BS_B65714572.1	TaWRKY29	III	*		*
Traes_2DS_AD8820C42.1	TaWRKY40	III	*	*	
Traes_3AL_2297D6E18.1	TaWRKY44	III	*		
TRAES3BF051200110CFD_t1	TaWRKY46	III	*	*	
TRAES3BF081400030CFD_t1	TaWRKY56	III	*		
TRAES3BF001300030CFD_t1	TaWRKY57	III	*		
TRAES3BF005100010CFD_t1	TaWRKY58	III	*	*	*
TRAES3BF005100020CFD_t1	TaWRKY59	III	*	*	
TRAES3BF005100030CFD_t1	TaWRKY60	III	*	*	
Traes_3DL_48F7A19D2.1	TaWRKY64	III	*	*	*
Traes_4AS_70DF607CC.1	TaWRKY65	III	*	*	*
Traes_4AL_9E0D1CFA6.1	TaWRKY66	III	*		*
Traes_4BS_A6D9EB0E5.1	TaWRKY70	III	*	*	*
Traes_4BL_A8C6FBEB6.1	TaWRKY72	III	*	*	
Traes_4DS_FE38A59D0.1	TaWRKY74	III	*		*
Traes_4DL_3140A8240.1	TaWRKY76	III	*	*	
Traes_5AL_B4E8A3115.2	TaWRKY78	III	*		*
Traes_5BL_0A3D332A8.1	TaWRKY84	III	*		*
Traes_5BL_175E7FC38.1	TaWRKY85	III	*	*	*
Traes_5DL_C93641E43.1	TaWRKY92	III	*	*	*
Traes_5DL_5C93510D5.1	TaWRKY95	III	*	*	*
Traes_6AS_68775100B.1	TaWRKY101	III	*	*	
Traes_7DS_01F74C6F3.1	TaWRKY110	III	*	*	*
Traes_7DL_A9EF00572.1	TaWRKY112	III	*	*	
Traes_2AS_1AFFE8DA6.1	TaWRKY121	III	*	*	*
Traes_2DL_362A1F535.1	TaWRKY122	III			
Traes_3B_8B0D448D8.1	TaWRKY132	III		*	
Traes_3DL_2551BF2C1.1	TaWRKY136	III			
Traes_4AS_0DA136E0E.1	TaWRKY142	III	*	*	*
Traes_5DL_09F1F8F79.1	TaWRKY160	III	*		*
Traes_7BL_53AA25AA1.1	TaWRKY169	III	*	*	*

Transcript ID	Proposed name	Group	AC-I	AC-II	ABRE	motif IIb	CE3	CE1	GARE-motif	P-box	TATC-box	TCA-element
			negative regulation of phloem expression; restricting the vascular expression to the xylem	negative regulation of phloem expression; restricting the vascular expression to the xylem	abscisic acid responsive	abscisic acid responsive	ABA and VP1 responsiveness	associated to ABRE, involved in ABA responsiveness	gibberellin-responsive	gibberellin-responsive	gibberellin-responsive	salicylic acid responsiveness
Traes_1AS_F3EAEC435.1	TaWRKY1	I			*							*
Traes_1BS_EF67E5A24.1	TaWRKY8	I		*	*		*		*			*
Traes_2AS_C407071E4.2	TaWRKY23	I			*							*
Traes_2AS_0186B9E4F.2	TaWRKY25	I			*							
Traes_2AL_409AB7647.1	TaWRKY26	I		*	*		*		*			*
Traes_2BL_2BA3A755A.1	TaWRKY30	I		*	*							*
Traes_2BS_380EC4D1E.1	TaWRKY32	I			*				*			
Traes_2BS_D435A8999.1	TaWRKY33	I							*			*
Traes_2DS_97E3E7CFC.1	TaWRKY39	I							*			*
Traes_2DS_F6FBC974C.2	TaWRKY41	I			*				*		*	
Traes_4BL_EFEC50B26.2	TaWRKY69	I										
Traes_4DS_DC3C9DC42.2	TaWRKY75	I										*
Traes_5AL_ED3ADED51.3	TaWRKY77	I		*	*							*
Traes_5BS_C46781248.1	TaWRKY82	I										
Traes_5BL_A522C62D1.1	TaWRKY83	I							*			*
Traes_5BL_17A712C94.1	TaWRKY88	I								*		*
Traes_5DS_5DEA5C9E3.1	TaWRKY94	I			*							*
Traes_5DL_21F7C6BF7.2	TaWRKY96	I								*		
Traes_5DL_46E3AC8D6.1	TaWRKY98	I		*	*				*			*
Traes_5DL_4BA2CC560.2	TaWRKY99	I			*				*			*
Traes_7BL_A46F1A830.2	TaWRKY109	I			*					*		
Traes_7DS_24C563960.1	TaWRKY111	I			*	*						*
Traes_1DS_A6733B734.1	TaWRKY120	I			*							*
Traes_3B_990298FF5.1	TaWRKY133	I			*				*	*		
Traes_4AL_2EEECCC4B.1	TaWRKY141	I	*						*			
Traes_5AL_E644A6A0B.1	TaWRKY145	I							*			*
Traes_5BL_D3C383CF5.1	TaWRKY152	I		*	*	*			*		*	*
Traes_7AL_48C81DE03.1	TaWRKY168	I	*									
Traes_7AL_48C81DE031.1	TaWRKY171	I	*									
Traes_5BL_8BEF7F9CD.1	TaWRKY86	IIa			*		*		*			
Traes_5BL_90757F0CC.1	TaWRKY87	IIa							*			*
Traes_7DL_5968FA56C.1	TaWRKY113	IIa			*							*
Traes_7DL_B09854286.1	TaWRKY114	IIa			*							*
Traes_7DL_F849918EA.2	TaWRKY115	IIa			*							*
Traes_6AS_DA75BB1FD.1	TaWRKY161	IIa			*							
TRAES3BF003800010CFD_t1	TaWRKY47	IIb			*					*		
Traes_4AL_3E11167D9.1	TaWRKY68	IIb							*			
Traes_6AL_0C0899C15.1	TaWRKY104	IIb										*
Traes_7AS_C9DF68E53.2	TaWRKY108	IIb			*				*			

Traes_5BL_C1D6B6B74.2	<i>TaWRKY90</i>	Ile	*		*				*
Traes_5DL_7E2053226.2	<i>TaWRKY97</i>	Ile			*	*		*	
Traes_6AL_BA4636569.1	<i>TaWRKY102</i>	Ile			*	*		*	
Traes_6BL_DD840863A.1	<i>TaWRKY105</i>	Ile			*				*
Traes_6DL_D29E210A1.1	<i>TaWRKY106</i>	Ile							
Traes_1AL_F64E07A92.1	<i>TaWRKY116</i>	Ile	*		*	*			*
Traes_1BL_B15990028.1	<i>TaWRKY118</i>	Ile							
Traes_3AL_4769A72F1.1	<i>TaWRKY125</i>	Ile			*				
Traes_3AL_AB2BAE660.1	<i>TaWRKY129</i>	Ile			*		*	*	
Traes_3AL_140B829CB.2	<i>TaWRKY130</i>	Ile			*		*		
Traes_4AL_234E1CDF6.1	<i>TaWRKY140</i>	Ile							
Traes_4DS_CFC487CE5.2	<i>TaWRKY143</i>	Ile		*	*				*
Traes_6DS_BF71C1557.2	<i>TaWRKY166</i>	Ile							
Traes_2AL_434E9F101.1	<i>TaWRKY22</i>	IId		*	*			*	
Traes_2AL_15A7BB684.1	<i>TaWRKY27</i>	IId	*	*	*				*
Traes_2BL_6B75B32E3.1	<i>TaWRKY35</i>	IId		*	*		*		*
Traes_2DL_F600B5FDF.1	<i>TaWRKY37</i>	IId			*				
Traes_4AL_98B1C762B.1	<i>TaWRKY67</i>	IId	*		*		*	*	
Traes_4BS_CE839571B.2	<i>TaWRKY71</i>	IId			*				
Traes_4DS_3BE557D5C.2	<i>TaWRKY73</i>	IId			*	*			*
Traes_5AL_6F7D1D441.1	<i>TaWRKY80</i>	IId			*				
Traes_5BS_E0345D5DF.2	<i>TaWRKY81</i>	IId	*	*				*	
Traes_5BL_8688F70C9.1	<i>TaWRKY89</i>	IId	*	*	*	*			
Traes_5BL_E294922A9.2	<i>TaWRKY91</i>	IId		*	*		*		
Traes_5DS_D83DEA9B0.1	<i>TaWRKY93</i>	IId	*	*	*			*	
Traes_5BL_AEF9FE805.2	<i>TaWRKY154</i>	IId							
Traes_1AL_4E924201A.1	<i>TaWRKY3</i>	Ile							*
TRAES3BF180700010CFD_t1	<i>TaWRKY51</i>	Ile				*		*	
TRAES3BF073300120CFD_t1	<i>TaWRKY54</i>	Ile	*		*		*		*
TRAES3BF029000080CFD_t1	<i>TaWRKY55</i>	Ile		*	*				
Traes_5DL_E4A6D1889.2	<i>TaWRKY100</i>	Ile		*				*	
Traes_6AL_A5FB7CFA5.1	<i>TaWRKY103</i>	Ile					*		
Traes_6DL_D4F2CDDDC.1	<i>TaWRKY107</i>	Ile		*	*				*
Traes_1BL_794E99FF5.1	<i>TaWRKY119</i>	Ile		*			*	*	*
Traes_5BL_B9DD3E76F.1	<i>TaWRKY155</i>	Ile		*				*	
Traes_1AL_309623B48.1	<i>TaWRKY4</i>	III			*		*		*
Traes_1AL_B24F28600.1	<i>TaWRKY5</i>	III			*		*		
Traes_1BL_46340D685.1	<i>TaWRKY9</i>	III			*			*	
Traes_1BL_B4AFDB663.1	<i>TaWRKY10</i>	III					*		*
Traes_1BL_73811B853.1	<i>TaWRKY13</i>	III	*				*		*
Traes_1DL_DFE1721E0.1	<i>TaWRKY14</i>	III			*			*	*
Traes_2AS_6269D889E.1	<i>TaWRKY24</i>	III		*					
Traes_2BS_B65714572.1	<i>TaWRKY29</i>	III			*		*	*	*
Traes_2DS_AD8820C42.1	<i>TaWRKY40</i>	III		*			*		*
Traes_3AL_2297D6E18.1	<i>TaWRKY44</i>	III			*				*
TRAES3BF051200110CFD_t1	<i>TaWRKY46</i>	III	*						*
TRAES3BF081400030CFD_t1	<i>TaWRKY56</i>	III			*				*
TRAES3BF001300030CFD_t1	<i>TaWRKY57</i>	III			*		*	*	
TRAES3BF005100010CFD_t1	<i>TaWRKY58</i>	III			*				
TRAES3BF005100020CFD_t1	<i>TaWRKY59</i>	III					*		*
TRAES3BF005100030CFD_t1	<i>TaWRKY60</i>	III					*		*
Traes_3DL_48F7A19D2.1	<i>TaWRKY64</i>	III			*			*	*
Traes_4AS_70DF607CC.1	<i>TaWRKY65</i>	III			*		*		*
Traes_4AL_9E0D1CFA6.1	<i>TaWRKY66</i>	III							*
Traes_4BS_A6D9EB0E5.1	<i>TaWRKY70</i>	III							*
Traes_4BL_A8C6FBEB6.1	<i>TaWRKY72</i>	III			*		*		*
Traes_4DS_FE38A59D0.1	<i>TaWRKY74</i>	III							*
Traes_4DL_3140A8240.1	<i>TaWRKY76</i>	III				*			*
Traes_5AL_B4E8A3115.2	<i>TaWRKY78</i>	III			*		*		
Traes_5BL_0A3D332A8.1	<i>TaWRKY84</i>	III			*				
Traes_5BL_175E7FC38.1	<i>TaWRKY85</i>	III			*				
Traes_5DL_C93641E43.1	<i>TaWRKY92</i>	III			*				*
Traes_5DL_5C93510D5.1	<i>TaWRKY95</i>	III			*	*		*	
Traes_6AS_68775100B.1	<i>TaWRKY101</i>	III			*	*	*		
Traes_7DS_01F74C6F3.1	<i>TaWRKY110</i>	III			*		*		
Traes_7DL_A9EF00572.1	<i>TaWRKY112</i>	III			*				*
Traes_2AS_1AFFE8DA6.1	<i>TaWRKY121</i>	III			*				
Traes_2DL_362A1F535.1	<i>TaWRKY122</i>	III							
Traes_3B_8B0D448D8.1	<i>TaWRKY132</i>	III			*	*		*	*
Traes_3DL_2551BF2C1.1	<i>TaWRKY136</i>	III							
Traes_4AS_0DA136E0E.1	<i>TaWRKY142</i>	III			*	*	*	*	*
Traes_5DL_09F1F8F79.1	<i>TaWRKY160</i>	III			*		*		
Traes_7BL_53AA25AA1.1	<i>TaWRKY169</i>	III			*		*		

Transcript ID	Proposed name	Group	SARE	TGA-element	AuxRR-core	TGA-box	AuxRE	O2-site	ERE	CGTCA-motif	TGACG-motif	TC-rich repeats
			salicylic acid responsiveness	auxin-responsive	auxin responsiveness	part of an auxin-responsive element	Auxin-responsive element	zein metabolism regulation	ethylene-responsive element	MeJA-responsiveness	MeJA-responsiveness	defense and stress responsiveness
Traes_1AS_F3EAEC435.1	TaWRKY1	I		*				*		*	*	
Traes_1BS_EF67E5A24.1	TaWRKY8	I								*	*	
Traes_2AS_C407071E4.2	TaWRKY23	I						*				
Traes_2AS_0186B9E4F.2	TaWRKY25	I		*								*
Traes_2AL_409AB7647.1	TaWRKY26	I								*	*	*
Traes_2BL_2BA3A755A.1	TaWRKY30	I		*						*	*	
Traes_2BS_380EC4D1E.1	TaWRKY32	I		*				*		*	*	
Traes_2BS_D435A8999.1	TaWRKY33	I						*				
Traes_2DS_97E3E7CFC.1	TaWRKY39	I			*				*			
Traes_2DS_F6FBC974C.2	TaWRKY41	I								*	*	
Traes_4BL_EFEC50B26.2	TaWRKY69	I								*	*	*
Traes_4DS_DC3C9DC42.2	TaWRKY75	I						*		*	*	*
Traes_5AL_ED3ADED51.3	TaWRKY77	I						*		*	*	*
Traes_5BS_C46781248.1	TaWRKY82	I						*		*	*	
Traes_5BL_A522C62D1.1	TaWRKY83	I						*		*	*	*
Traes_5BL_17A712C94.1	TaWRKY88	I			*			*		*	*	*
Traes_5DS_5DEA5C9E3.1	TaWRKY94	I								*	*	*
Traes_5DL_21F7C6BF7.2	TaWRKY96	I			*			*		*	*	*
Traes_5DL_46E3AC8D6.1	TaWRKY98	I								*	*	*
Traes_5DL_4BA2CC560.2	TaWRKY99	I						*		*	*	
Traes_7BL_A46F1A830.2	TaWRKY109	I					*	*		*	*	
Traes_7DS_24C563960.1	TaWRKY111	I		*						*	*	*
Traes_1DS_A6733B734.1	TaWRKY120	I						*		*	*	
Traes_3B_990298FF5.1	TaWRKY133	I						*				
Traes_4AL_2EEEC4B.1	TaWRKY141	I		*						*	*	
Traes_5AL_E644A6A0B.1	TaWRKY145	I						*		*	*	
Traes_5BL_D3C383CF5.1	TaWRKY152	I								*	*	*
Traes_7AL_48C81DE03.1	TaWRKY168	I								*	*	
Traes_7AL_48C81DE031.1	TaWRKY171	I								*	*	
Traes_5BL_8BEF7F9CD.1	TaWRKY86	IIa		*	*					*	*	*
Traes_5BL_90757F0CC.1	TaWRKY87	IIa								*	*	*
Traes_7DL_5968FA56C.1	TaWRKY113	IIa		*						*	*	
Traes_7DL_B09854286.1	TaWRKY114	IIa		*				*				
Traes_7DL_F849918EA.2	TaWRKY115	IIa						*		*	*	
Traes_6AS_DA75BB1FD.1	TaWRKY161	IIa						*		*	*	
TRAES3BF003800010CFD_t1	TaWRKY47	IIb								*	*	*
Traes_4AL_3E11167D9.1	TaWRKY68	IIb						*		*	*	*
Traes_6AL_0C0899C15.1	TaWRKY104	IIb						*				*
Traes_7AS_C9DF68E53.2	TaWRKY108	IIb		*						*	*	*
Traes_6DL_AB95B0CE0.1	TaWRKY164	IIb		*	*			*		*	*	*
Traes_1AS_1432A2F79.1	TaWRKY2	IIc						*		*	*	*
Traes_1AL_0404BC790.1	TaWRKY6	IIc										
Traes_1AL_9ADA7A031.1	TaWRKY7	IIc			*							
Traes_1BL_1D865A8CC.1	TaWRKY11	IIc								*	*	*
Traes_1BL_9AFA4B870.1	TaWRKY12	IIc				*				*	*	*
Traes_1DL_D550418641.2	TaWRKY15	IIc						*				*
Traes_1DL_5BAB0B6BC.1	TaWRKY16	IIc						*				*
Traes_1DL_D1EC7DEA6.1	TaWRKY17	IIc						*	*			*
Traes_1DL_46428511F.1	TaWRKY18	IIc						*		*	*	*
Traes_2AS_D0C21ADB5.1	TaWRKY19	IIc								*	*	*
Traes_2AL_1B43EA59E.1	TaWRKY20	IIc								*	*	
Traes_2AL_B1270662B.1	TaWRKY21	IIc								*	*	*
Traes_2BS_F3097F116.1	TaWRKY28	IIc						*	*	*	*	
Traes_2BL_A69F6C5DF.1	TaWRKY31	IIc								*	*	
Traes_2BL_A5BFA97B9.1	TaWRKY34	IIc		*	*					*	*	
Traes_2DS_0F2500A60.1	TaWRKY36	IIc		*					*	*	*	*
Traes_2DL_4F9F8F1F0.1	TaWRKY38	IIc		*						*	*	*
Traes_3AL_67ECA2932.1	TaWRKY42	IIc								*	*	*
Traes_3AL_1B73D2C12.1	TaWRKY43	IIc		*				*		*	*	
TRAES3BF066700160CFD_t1	TaWRKY45	IIc		*						*	*	
TRAES3BF021300010CFD_t1	TaWRKY48	IIc								*	*	
TRAES3BF267200010CFD_t1	TaWRKY49	IIc		*				*		*	*	
TRAES3BF021100090CFD_t1	TaWRKY50	IIc						*		*	*	
TRAES3BF058500060CFD_t1	TaWRKY52	IIc						*		*	*	
TRAES3BF111700140CFD_t1	TaWRKY53	IIc		*						*	*	
TRAES3BF090100100CFD_t1	TaWRKY61	IIc								*	*	*
TRAES3BF045500040CFD_t1	TaWRKY62	IIc						*		*	*	
Traes_3DL_DF0D3F3FE.1	TaWRKY63	IIc						*				*
Traes_5AL_E566BD64E.1	TaWRKY79	IIc		*				*				
Traes_5BL_C1D6B6B74.2	TaWRKY90	IIc		*				*		*	*	*

Traes_5DL_7E2053226.2	TaWRKY97	Ilc	*
Traes_6AL_BA4636569.1	TaWRKY102	Ilc	*
Traes_6BL_DD840863A.1	TaWRKY105	Ilc	*
Traes_6DL_D29E210A1.1	TaWRKY106	Ilc	*
Traes_1AL_F64E07A92.1	TaWRKY116	Ilc	*
Traes_1BL_B15990028.1	TaWRKY118	Ilc	*
Traes_3AL_4769A72F1.1	TaWRKY125	Ilc	
Traes_3AL_AB2BAE660.1	TaWRKY129	Ilc	*
Traes_3AL_140B829CB.2	TaWRKY130	Ilc	
Traes_4AL_234E1CDF6.1	TaWRKY140	Ilc	
Traes_4DS_CFC487CE5.2	TaWRKY143	Ilc	*
Traes_6DS_BF71C1557.2	TaWRKY166	Ilc	
Traes_2AL_434E9F101.1	TaWRKY22	IId	*
Traes_2AL_15A7BB684.1	TaWRKY27	IId	*
Traes_2BL_6B75B32E3.1	TaWRKY35	IId	*
Traes_2DL_F600B5FDF.1	TaWRKY37	IId	
Traes_4AL_98B1C762B.1	TaWRKY67	IId	*
Traes_4BS_CE839571B.2	TaWRKY71	IId	*
Traes_4DS_3BE557D5C.2	TaWRKY73	IId	*
Traes_5AL_6F7D1D441.1	TaWRKY80	IId	*
Traes_5BS_E0345D5DF.2	TaWRKY81	IId	*
Traes_5BL_8688F70C9.1	TaWRKY89	IId	*
Traes_5BL_E294922A9.2	TaWRKY91	IId	*
Traes_5DS_D83DEA9B0.1	TaWRKY93	IId	*
Traes_5BL_AEF9FE805.2	TaWRKY154	IId	
Traes_1AL_4E924201A.1	TaWRKY3	Ile	*
TRAES3BF180700010CFD_t1	TaWRKY51	Ile	*
TRAES3BF073300120CFD_t1	TaWRKY54	Ile	*
TRAES3BF029000080CFD_t1	TaWRKY55	Ile	
Traes_5DL_E4A6D1889.2	TaWRKY100	Ile	*
Traes_6AL_A5FB7CFA5.1	TaWRKY103	Ile	*
Traes_6DL_D4F2CDDDC.1	TaWRKY107	Ile	*
Traes_1BL_794E99FF5.1	TaWRKY119	Ile	*
Traes_5BL_B9DD3E76F.1	TaWRKY155	Ile	*
Traes_1AL_309623B48.1	TaWRKY4	III	*
Traes_1AL_B24F28600.1	TaWRKY5	III	*
Traes_1BL_46340D685.1	TaWRKY9	III	*
Traes_1BL_B4AFDB663.1	TaWRKY10	III	
Traes_1BL_73811B853.1	TaWRKY13	III	
Traes_1DL_DFE1721E0.1	TaWRKY14	III	*
Traes_2AS_6269D889E.1	TaWRKY24	III	*
Traes_2BS_B65714572.1	TaWRKY29	III	*
Traes_2DS_AD8820C42.1	TaWRKY40	III	*
Traes_3AL_2297D6E18.1	TaWRKY44	III	*
TRAES3BF051200110CFD_t1	TaWRKY46	III	*
TRAES3BF081400030CFD_t1	TaWRKY56	III	*
TRAES3BF001300030CFD_t1	TaWRKY57	III	*
TRAES3BF005100010CFD_t1	TaWRKY58	III	*
TRAES3BF005100020CFD_t1	TaWRKY59	III	*
TRAES3BF005100030CFD_t1	TaWRKY60	III	*
Traes_3DL_48F7A19D2.1	TaWRKY64	III	*
Traes_4AS_70DF607CC.1	TaWRKY65	III	
Traes_4AL_9E0D1CFA6.1	TaWRKY66	III	*
Traes_4BS_A6D9EB0E5.1	TaWRKY70	III	*
Traes_4BL_A8C6FBEB6.1	TaWRKY72	III	*
Traes_4DS_FE38A59D0.1	TaWRKY74	III	*
Traes_4DL_3140A8240.1	TaWRKY76	III	*
Traes_5AL_B4E8A3115.2	TaWRKY78	III	*
Traes_5BL_0A3D332A8.1	TaWRKY84	III	*
Traes_5BL_175E7FC38.1	TaWRKY85	III	
Traes_5DL_C93641E43.1	TaWRKY92	III	*
Traes_5DL_5C93510D5.1	TaWRKY95	III	*
Traes_6AS_68775100B.1	TaWRKY101	III	*
Traes_7DS_01F74C6F3.1	TaWRKY110	III	*
Traes_7DL_A9EF00572.1	TaWRKY112	III	*
Traes_2AS_1AFFE8DA6.1	TaWRKY121	III	*
Traes_2DL_362A1F535.1	TaWRKY122	III	
Traes_3B_8B0D448D8.1	TaWRKY132	III	*
Traes_3DL_2551BF2C1.1	TaWRKY136	III	
Traes_4AS_0DA136E0E.1	TaWRKY142	III	*
Traes_5DL_09F1F8F79.1	TaWRKY160	III	*
Traes_7BL_53AA25AA1.1	TaWRKY169	III	*

Transcript ID	Proposed name	Group	ARE	GC-motif	ELI-box3	Box-W1	box E	EIRE	AT-rich sequence	W box	box S	GCC box	WUN-motif
			anaerobic induction	anoxic specific inducibility	elicitor-responsive element	fungal elicitor responsive	fungal elicitor	elicitor-responsive element	element for maximal elicitor-mediated activation	wounding and pathogen responsiveness (Binds WRKY type transcription factors)	wounding and pathogen responsiveness	wounding and pathogen responsiveness	wound-responsive
Traes_1AS_F3EAEC435.1	<i>TaWRKY1</i>	I	*	*		*				*			
Traes_1BS_EF67E5A24.1	<i>TaWRKY8</i>	I	*	*		*				*			
Traes_2AS_C407071E4.2	<i>TaWRKY23</i>	I	*	*		*				*	*		
Traes_2AS_0186B9E4F.2	<i>TaWRKY25</i>	I		*									
Traes_2AL_409AB7647.1	<i>TaWRKY26</i>	I		*					*				
Traes_2BL_2BA3A755A.1	<i>TaWRKY30</i>	I							*				
Traes_2BS_380EC4D1E.1	<i>TaWRKY32</i>	I	*	*					*		*	*	
Traes_2BS_D435A8999.1	<i>TaWRKY33</i>	I	*			*				*			
Traes_2DS_97E3E7CFC.1	<i>TaWRKY39</i>	I	*	*							*		
Traes_2DS_F6FBC974C.2	<i>TaWRKY41</i>	I						*			*		
Traes_4BL_EFEC50B26.2	<i>TaWRKY69</i>	I	*			*	*			*			
Traes_4DS_DC3C9DC42.2	<i>TaWRKY75</i>	I	*				*	*				*	
Traes_5AL_ED3ADED51.3	<i>TaWRKY77</i>	I	*	*		*	*			*	*		
Traes_5BS_C46781248.1	<i>TaWRKY82</i>	I	*					*					
Traes_5BL_A522C62D1.1	<i>TaWRKY83</i>	I	*	*		*				*		*	
Traes_5BL_17A712C94.1	<i>TaWRKY88</i>	I	*	*		*				*			
Traes_5DS_5DEA5C9E3.1	<i>TaWRKY94</i>	I	*	*		*				*			
Traes_5DL_21F7C6BF7.2	<i>TaWRKY96</i>	I	*	*		*			*	*	*		
Traes_5DL_46E3AC8D6.1	<i>TaWRKY98</i>	I	*			*				*	*		
Traes_5DL_4BA2CC560.2	<i>TaWRKY99</i>	I	*			*				*			
Traes_7BL_A46F1A830.2	<i>TaWRKY109</i>	I	*			*				*			
Traes_7DS_24C563960.1	<i>TaWRKY111</i>	I		*								*	
Traes_1DS_A6733B734.1	<i>TaWRKY120</i>	I	*			*				*			
Traes_3B_990298FF5.1	<i>TaWRKY133</i>	I	*	*		*				*			
Traes_4AL_2EECC4B.1	<i>TaWRKY141</i>	I	*			*				*		*	
Traes_5AL_E644A6A0B.1	<i>TaWRKY145</i>	I	*			*				*	*		
Traes_5BL_D3C383CF5.1	<i>TaWRKY152</i>	I	*	*		*				*			
Traes_7AL_48C81DE03.1	<i>TaWRKY168</i>	I											
Traes_7AL_48C81DE031.1	<i>TaWRKY171</i>	I											
Traes_5BL_8BEF7F9CD.1	<i>TaWRKY86</i>	IIa	*	*									
Traes_5BL_90757F0CC.1	<i>TaWRKY87</i>	IIa		*							*		
Traes_7DL_5968FA56C.1	<i>TaWRKY113</i>	IIa				*				*	*		
Traes_7DL_B09854286.1	<i>TaWRKY114</i>	IIa	*			*				*		*	
Traes_7DL_F849918EA.2	<i>TaWRKY115</i>	IIa						*					
Traes_6AS_DA75BB1FD.1	<i>TaWRKY161</i>	IIa		*		*				*			
TRAES3BF003800010CFD_t1	<i>TaWRKY47</i>	IIb		*		*				*			*
Traes_4AL_3E11167D9.1	<i>TaWRKY68</i>	IIb	*			*				*			
Traes_6AL_0C0899C15.1	<i>TaWRKY104</i>	IIb	*			*			*	*			
Traes_7AS_C9DF68E53.2	<i>TaWRKY108</i>	IIb		*		*				*	*		
Traes_6DL_AB95B0CE0.1	<i>TaWRKY164</i>	IIb	*			*			*	*			
Traes_1AS_1432A2F79.1	<i>TaWRKY2</i>	IIc	*	*								*	
Traes_1AL_0404BC790.1	<i>TaWRKY6</i>	IIc						*				*	
Traes_1AL_9ADA7A031.1	<i>TaWRKY7</i>	IIc	*			*				*			
Traes_1BL_1D865A8CC.1	<i>TaWRKY11</i>	IIc				*				*			
Traes_1BL_9AFA4B870.1	<i>TaWRKY12</i>	IIc		*		*				*			
Traes_1DL_D550418641.2	<i>TaWRKY15</i>	IIc	*										
Traes_1DL_5BAB0B6BC.1	<i>TaWRKY16</i>	IIc	*								*		
Traes_1DL_D1EC7DEA6.1	<i>TaWRKY17</i>	IIc											
Traes_1DL_46428511F.1	<i>TaWRKY18</i>	IIc		*									
Traes_2AS_D0C21ADB5.1	<i>TaWRKY19</i>	IIc	*			*				*	*		
Traes_2AL_1B43EA59E.1	<i>TaWRKY20</i>	IIc	*	*								*	
Traes_2AL_B1270662B.1	<i>TaWRKY21</i>	IIc	*	*									
Traes_2BS_F3097F116.1	<i>TaWRKY28</i>	IIc	*			*				*		*	
Traes_2BL_A69F6C5DF.1	<i>TaWRKY31</i>	IIc	*	*				*			*		
Traes_2BL_A5BFA97B9.1	<i>TaWRKY34</i>	IIc		*									
Traes_2DS_0F2500A60.1	<i>TaWRKY36</i>	IIc				*							
Traes_2DL_4F9F8F1F0.1	<i>TaWRKY38</i>	IIc	*	*									
Traes_3AL_67ECA2932.1	<i>TaWRKY42</i>	IIc	*										
Traes_3AL_1B73D2C12.1	<i>TaWRKY43</i>	IIc				*				*			
TRAES3BF066700160CFD_t1	<i>TaWRKY45</i>	IIc	*	*		*				*			
TRAES3BF021300010CFD_t1	<i>TaWRKY48</i>	IIc	*	*		*				*			
TRAES3BF267200010CFD_t1	<i>TaWRKY49</i>	IIc	*	*								*	
TRAES3BF021100090CFD_t1	<i>TaWRKY50</i>	IIc	*	*		*				*			
TRAES3BF058500060CFD_t1	<i>TaWRKY52</i>	IIc	*			*				*	*		
TRAES3BF111700140CFD_t1	<i>TaWRKY53</i>	IIc		*									
TRAES3BF090100100CFD_t1	<i>TaWRKY61</i>	IIc	*	*							*	*	
TRAES3BF045500040CFD_t1	<i>TaWRKY62</i>	IIc	*	*								*	
Traes_3DL_DF0D3F3FE.1	<i>TaWRKY63</i>	IIc	*	*									
Traes_5AL_E566BD64E.1	<i>TaWRKY79</i>	IIc				*				*			
Traes_5BL_C1D6B6B74.2	<i>TaWRKY90</i>	IIc		*		*	*			*			

[illegible]

Transcript ID	Proposed name	Group	JERE	LTR	C-repeat/DRE	HSE	MBS	CCAAT-box	MBSI	MRE	G-box
			jasmonate ethylene responsive element; wounding and pathogen responsiveness	low-temperature responsiveness	cold- and dehydration-responsiveness	heat stress responsiveness	MYB binding site involved in drought-inducibility	MYBHv1 binding site	MYB binding site involved in flavonoid biosynthetic genes regulation	MYB binding site involved in light responsiveness	light responsiveness
Traes_1AS_F3EAEC435.1	<i>TaWRKY1</i>	I				*		*			*
Traes_1BS_EF67E5A24.1	<i>TaWRKY8</i>	I		*		*		*			*
Traes_2AS_C407071E4.2	<i>TaWRKY23</i>	I	*	*		*		*			*
Traes_2AS_0186B9E4F.2	<i>TaWRKY25</i>	I				*		*			*
Traes_2AL_409AB7647.1	<i>TaWRKY26</i>	I						*			*
Traes_2BL_2BA3A755A.1	<i>TaWRKY30</i>	I		*							*
Traes_2BS_380EC4D1E.1	<i>TaWRKY32</i>	I	*	*				*			*
Traes_2BS_D435A8999.1	<i>TaWRKY33</i>	I						*			*
Traes_2DS_97E3E7CFC.1	<i>TaWRKY39</i>	I		*		*		*			*
Traes_2DS_F6FBC974C.2	<i>TaWRKY41</i>	I		*							*
Traes_4BL_EFEC50B26.2	<i>TaWRKY69</i>	I				*		*			*
Traes_4DS_DC3C9DC42.2	<i>TaWRKY75</i>	I		*				*			*
Traes_5AL_ED3ADED51.3	<i>TaWRKY77</i>	I		*		*		*			*
Traes_5BS_C46781248.1	<i>TaWRKY82</i>	I						*		*	*
Traes_5BL_A522C62D1.1	<i>TaWRKY83</i>	I		*		*		*		*	*
Traes_5BL_17A712C94.1	<i>TaWRKY88</i>	I						*		*	*
Traes_5DS_5DEA5C9E3.1	<i>TaWRKY94</i>	I			*	*		*			*
Traes_5DL_21F7C6BF7.2	<i>TaWRKY96</i>	I		*				*			
Traes_5DL_46E3AC8D6.1	<i>TaWRKY98</i>	I		*							*
Traes_5DL_4BA2CC560.2	<i>TaWRKY99</i>	I		*		*		*			*
Traes_7BL_A46F1A830.2	<i>TaWRKY109</i>	I		*				*			*
Traes_7DS_24C563960.1	<i>TaWRKY111</i>	I						*			*
Traes_1DS_A6733B734.1	<i>TaWRKY120</i>	I				*		*			*
Traes_3B_990298FF5.1	<i>TaWRKY133</i>	I						*			*
Traes_4AL_2EEEC4B.1	<i>TaWRKY141</i>	I						*		*	*
Traes_5AL_E644A6A0B.1	<i>TaWRKY145</i>	I		*		*		*			
Traes_5BL_D3C383CF5.1	<i>TaWRKY152</i>	I		*				*			*
Traes_7AL_48C81DE03.1	<i>TaWRKY168</i>	I									
Traes_7AL_48C81DE031.1	<i>TaWRKY171</i>	I									
Traes_5BL_8BEF7F9CD.1	<i>TaWRKY86</i>	IIa		*				*			*
Traes_5BL_90757F0CC.1	<i>TaWRKY87</i>	IIa						*	*		*
Traes_7DL_5968FA56C.1	<i>TaWRKY113</i>	IIa		*		*		*			*
Traes_7DL_B09854286.1	<i>TaWRKY114</i>	IIa				*		*			*
Traes_7DL_F849918EA.2	<i>TaWRKY115</i>	IIa		*		*		*			*
Traes_6AS_DA75BB1FD.1	<i>TaWRKY161</i>	IIa		*		*		*			*
TRAES3BF003800010CFD_t1	<i>TaWRKY47</i>	IIb		*				*			*
Traes_4AL_3E11167D9.1	<i>TaWRKY68</i>	IIb						*			*
Traes_6AL_0C0899C15.1	<i>TaWRKY104</i>	IIb						*		*	*
Traes_7AS_C9DF68E53.2	<i>TaWRKY108</i>	IIb						*			*
Traes_6DL_AB95B0CE0.1	<i>TaWRKY164</i>	IIb						*		*	*
Traes_1AS_1432A2F79.1	<i>TaWRKY2</i>	IIc						*			
Traes_1AL_0404BC790.1	<i>TaWRKY6</i>	IIc		*						*	*
Traes_1AL_9ADA7A031.1	<i>TaWRKY7</i>	IIc						*			*
Traes_1BL_1D865A8CC.1	<i>TaWRKY11</i>	IIc				*		*			*
Traes_1BL_9AFA4B870.1	<i>TaWRKY12</i>	IIc		*				*			*
Traes_1DL_D550418641.2	<i>TaWRKY15</i>	IIc				*					*
Traes_1DL_5BAB0B6BC.1	<i>TaWRKY16</i>	IIc						*			*
Traes_1DL_D1EC7DEA6.1	<i>TaWRKY17</i>	IIc		*							*
Traes_1DL_46428511F.1	<i>TaWRKY18</i>	IIc						*		*	*
Traes_2AS_D0C21ADB5.1	<i>TaWRKY19</i>	IIc						*			*
Traes_2AL_1B43EA59E.1	<i>TaWRKY20</i>	IIc						*			*
Traes_2AL_B1270662B.1	<i>TaWRKY21</i>	IIc				*		*			*
Traes_2BS_F3097F116.1	<i>TaWRKY28</i>	IIc									*
Traes_2BL_A69F6C5DF.1	<i>TaWRKY31</i>	IIc						*			*
Traes_2BL_A5BFA97B9.1	<i>TaWRKY34</i>	IIc						*			*
Traes_2DS_0F2500A60.1	<i>TaWRKY36</i>	IIc				*					
Traes_2DL_4F9F8F1F0.1	<i>TaWRKY38</i>	IIc									*
Traes_3AL_67ECA2932.1	<i>TaWRKY42</i>	IIc		*				*			*
Traes_3AL_1B73D2C12.1	<i>TaWRKY43</i>	IIc				*		*			
TRAES3BF066700160CFD_t1	<i>TaWRKY45</i>	IIc		*				*			*
TRAES3BF021300010CFD_t1	<i>TaWRKY48</i>	IIc						*			*
TRAES3BF267200010CFD_t1	<i>TaWRKY49</i>	IIc						*			*
TRAES3BF021100090CFD_t1	<i>TaWRKY50</i>	IIc						*			*
TRAES3BF058500060CFD_t1	<i>TaWRKY52</i>	IIc						*			*
TRAES3BF111700140CFD_t1	<i>TaWRKY53</i>	IIc						*			*
TRAES3BF090100100CFD_t1	<i>TaWRKY61</i>	IIc		*				*			*
TRAES3BF045500040CFD_t1	<i>TaWRKY62</i>	IIc						*		*	*
Traes_3DL_DF0D3F3FE.1	<i>TaWRKY63</i>	IIc						*			*
Traes_5AL_E566BD64E.1	<i>TaWRKY79</i>	IIc		*				*			*

Traes_5BL_C1D6B6B74.2	TaWRKY90	Ile		*	*			*
Traes_5DL_7E2053226.2	TaWRKY97	Ile				*		*
Traes_6AL_BA4636569.1	TaWRKY102	Ile		*	*	*		*
Traes_6BL_DD840863A.1	TaWRKY105	Ile			*			*
Traes_6DL_D29E210A1.1	TaWRKY106	Ile				*		*
Traes_1AL_F64E07A92.1	TaWRKY116	Ile	*	*	*			*
Traes_1BL_B15990028.1	TaWRKY118	Ile						
Traes_3AL_4769A72F1.1	TaWRKY125	Ile						
Traes_3AL_AB2BAE660.1	TaWRKY129	Ile		*				*
Traes_3AL_140B829CB.2	TaWRKY130	Ile	*		*			*
Traes_4AL_234E1CDF6.1	TaWRKY140	Ile						
Traes_4DS_CFC487CE5.2	TaWRKY143	Ile	*	*	*	*		*
Traes_6DS_BF71C1557.2	TaWRKY166	Ile						
Traes_2AL_434E9F101.1	TaWRKY22	IId		*	*	*	*	*
Traes_2AL_15A7BB684.1	TaWRKY27	IId	*	*		*		*
Traes_2BL_6B75B32E3.1	TaWRKY35	IId	*	*		*		
Traes_2DL_F600B5FDF.1	TaWRKY37	IId	*		*			*
Traes_4AL_98B1C762B.1	TaWRKY67	IId			*			*
Traes_4BS_CE839571B.2	TaWRKY71	IId				*		*
Traes_4DS_3BE557D5C.2	TaWRKY73	IId						*
Traes_5AL_6F7D1D441.1	TaWRKY80	IId		*	*	*		*
Traes_5BS_E0345D5DF.2	TaWRKY81	IId	*		*	*		*
Traes_5BL_8688F70C9.1	TaWRKY89	IId			*			*
Traes_5BL_E294922A9.2	TaWRKY91	IId			*			*
Traes_5DS_D83DEA9B0.1	TaWRKY93	IId	*	*	*	*		*
Traes_5BL_AEF9FE805.2	TaWRKY154	IId			*			
Traes_1AL_4E924201A.1	TaWRKY3	Ile	*	*	*	*		*
TRAES3BF180700010CFD_t1	TaWRKY51	Ile					*	*
TRAES3BF073300120CFD_t1	TaWRKY54	Ile		*	*		*	*
TRAES3BF029000080CFD_t1	TaWRKY55	Ile	*		*			*
Traes_5DL_E4A6D1889.2	TaWRKY100	Ile		*	*		*	*
Traes_6AL_A5FB7CFA5.1	TaWRKY103	Ile					*	*
Traes_6DL_D4F2CDDDC.1	TaWRKY107	Ile	*			*		*
Traes_1BL_794E99FF5.1	TaWRKY119	Ile	*	*	*			*
Traes_5BL_B9DD3E76F.1	TaWRKY155	Ile		*	*	*		*
Traes_1AL_309623B48.1	TaWRKY4	III			*			*
Traes_1AL_B24F28600.1	TaWRKY5	III						*
Traes_1BL_46340D685.1	TaWRKY9	III	*		*			*
Traes_1BL_B4AFDB663.1	TaWRKY10	III		*	*	*	*	*
Traes_1BL_73811B853.1	TaWRKY13	III	*					*
Traes_1DL_DFE1721E0.1	TaWRKY14	III	*		*			*
Traes_2AS_6269D889E.1	TaWRKY24	III	*	*		*	*	*
Traes_2BS_B65714572.1	TaWRKY29	III		*	*			*
Traes_2DS_AD8820C42.1	TaWRKY40	III		*			*	*
Traes_3AL_2297D6E18.1	TaWRKY44	III	*		*	*		*
TRAES3BF051200110CFD_t1	TaWRKY46	III			*		*	*
TRAES3BF081400030CFD_t1	TaWRKY56	III			*	*		*
TRAES3BF001300030CFD_t1	TaWRKY57	III	*		*	*	*	*
TRAES3BF005100010CFD_t1	TaWRKY58	III	*	*		*		*
TRAES3BF005100020CFD_t1	TaWRKY59	III		*	*			*
TRAES3BF005100030CFD_t1	TaWRKY60	III		*	*			*
Traes_3DL_48F7A19D2.1	TaWRKY64	III	*		*	*	*	*
Traes_4AS_70DF607CC.1	TaWRKY65	III			*	*		*
Traes_4AL_9E0D1CFA6.1	TaWRKY66	III	*		*			*
Traes_4BS_A6D9EB0E5.1	TaWRKY70	III	*		*			*
Traes_4BL_A8C6FBEB6.1	TaWRKY72	III			*			*
Traes_4DS_FE38A59D0.1	TaWRKY74	III	*		*			*
Traes_4DL_3140A8240.1	TaWRKY76	III	*		*			*
Traes_5AL_B4E8A3115.2	TaWRKY78	III			*	*		*
Traes_5BL_0A3D332A8.1	TaWRKY84	III	*		*			*
Traes_5BL_175E7FC38.1	TaWRKY85	III	*		*			*
Traes_5DL_C93641E43.1	TaWRKY92	III			*	*		*
Traes_5DL_5C93510D5.1	TaWRKY95	III	*		*	*		*
Traes_6AS_68775100B.1	TaWRKY101	III		*	*	*		*
Traes_7DS_01F74C6F3.1	TaWRKY110	III			*	*		*
Traes_7DL_A9EF00572.1	TaWRKY112	III			*			*
Traes_2AS_1AFFE8DA6.1	TaWRKY121	III			*			*
Traes_2DL_362A1F535.1	TaWRKY122	III						
Traes_3B_8B0D448D8.1	TaWRKY132	III			*			*
Traes_3DL_2551BF2C1.1	TaWRKY136	III						
Traes_4AS_0DA136E0E.1	TaWRKY142	III			*		*	*
Traes_5DL_09F1F8F79.1	TaWRKY160	III			*			*
Traes_7BL_53AA25AA1.1	TaWRKY169	III	*			*		*

Transcript ID	Proposed name	Group	Sp1	G-Box	GAG-motif	I-box	GT1-motif	MNF1	ACE	Box I	Box 4	GATA-motif	GA-motif
			light	light	light	light	light	light	light	light	light	light	light
			responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness
Traes_1AS_F3EAEC435.1	TaWRKY1	I	*	*	*		*				*		*
Traes_1BS_EF67E5A24.1	TaWRKY8	I	*	*	*								
Traes_2AS_C407071E4.2	TaWRKY23	I	*	*		*	*		*		*		*
Traes_2AS_0186B9E4F.2	TaWRKY25	I	*	*		*					*		*
Traes_2AL_409AB7647.1	TaWRKY26	I	*	*	*			*	*	*		*	*
Traes_2BL_2BA3A755A.1	TaWRKY30	I	*	*	*		*	*		*			*
Traes_2BS_380EC4D1E.1	TaWRKY32	I	*	*			*	*	*			*	
Traes_2BS_D435A8999.1	TaWRKY33	I	*	*			*	*					*
Traes_2DS_97E3E7CFC.1	TaWRKY39	I	*	*	*		*	*	*	*			
Traes_2DS_F6FBC974C.2	TaWRKY41	I	*	*		*		*	*	*	*		
Traes_4BL_EFEC50B26.2	TaWRKY69	I		*	*	*				*			*
Traes_4DS_DC3C9DC42.2	TaWRKY75	I	*		*	*		*			*	*	*
Traes_5AL_ED3ADED51.3	TaWRKY77	I	*	*	*								
Traes_5BS_C46781248.1	TaWRKY82	I		*		*	*					*	*
Traes_5BL_A522C62D1.1	TaWRKY83	I	*			*			*			*	
Traes_5BL_17A712C94.1	TaWRKY88	I	*			*		*		*	*	*	*
Traes_5DS_5DEA5C9E3.1	TaWRKY94	I		*	*	*	*			*			*
Traes_5DL_21F7C6BF7.2	TaWRKY96	I	*			*							
Traes_5DL_46E3AC8D6.1	TaWRKY98	I		*		*			*	*	*		
Traes_5DL_4BA2CC560.2	TaWRKY99	I	*		*		*	*					*
Traes_7BL_A46F1A830.2	TaWRKY109	I		*	*	*	*		*			*	
Traes_7DS_24C563960.1	TaWRKY111	I	*		*	*		*	*	*			*
Traes_1DS_A6733B734.1	TaWRKY120	I	*	*	*	*		*					
Traes_3B_990298FF5.1	TaWRKY133	I	*	*	*		*		*	*			*
Traes_4AL_2EEECCC4B.1	TaWRKY141	I		*	*			*					
Traes_5AL_E644A6A0B.1	TaWRKY145	I	*	*	*		*	*					*
Traes_5BL_D3C383CF5.1	TaWRKY152	I		*			*	*	*		*		
Traes_7AL_48C81DE03.1	TaWRKY168	I	*										
Traes_7AL_48C81DE031.1	TaWRKY171	I	*										
Traes_5BL_8BEF7F9CD.1	TaWRKY86	IIa	*	*				*					
Traes_5BL_90757F0CC.1	TaWRKY87	IIa	*		*						*		
Traes_7DL_5968FA56C.1	TaWRKY113	IIa	*	*									
Traes_7DL_B09854286.1	TaWRKY114	IIa	*			*		*					*
Traes_7DL_F849918EA.2	TaWRKY115	IIa	*	*		*						*	*
Traes_6AS_DA75BB1FD.1	TaWRKY161	IIa		*		*	*	*	*		*		*
TRAES3BF003800010CFD_t1	TaWRKY47	IIb	*	*		*	*		*				
Traes_4AL_3E11167D9.1	TaWRKY68	IIb	*	*			*				*		
Traes_6AL_0C0899C15.1	TaWRKY104	IIb		*		*	*		*	*	*	*	
Traes_7AS_C9DF68E53.2	TaWRKY108	IIb	*	*			*				*		
Traes_6DL_AB95B0CE0.1	TaWRKY164	IIb		*			*		*	*	*	*	
Traes_1AS_1432A2F79.1	TaWRKY2	IIc	*		*	*	*	*			*		
Traes_1AL_0404BC790.1	TaWRKY6	IIc	*	*			*	*	*				
Traes_1AL_9ADA7A031.1	TaWRKY7	IIc	*	*	*						*		*
Traes_1BL_1D865A8CC.1	TaWRKY11	IIc	*	*		*						*	*
Traes_1BL_9AFA4B870.1	TaWRKY12	IIc	*	*		*	*		*				
Traes_1DL_D550418641.2	TaWRKY15	IIc	*	*	*	*				*		*	*
Traes_1DL_5BAB0B6BC.1	TaWRKY16	IIc	*			*	*					*	
Traes_1DL_D1EC7DEA6.1	TaWRKY17	IIc		*						*			
Traes_1DL_46428511F.1	TaWRKY18	IIc	*	*			*		*			*	
Traes_2AS_D0C21ADB5.1	TaWRKY19	IIc	*	*	*			*		*		*	
Traes_2AL_1B43EA59E.1	TaWRKY20	IIc	*	*		*	*				*		
Traes_2AL_B1270662B.1	TaWRKY21	IIc	*	*		*		*					
Traes_2BS_F3097F116.1	TaWRKY28	IIc	*	*						*			
Traes_2BL_A69F6C5DF.1	TaWRKY31	IIc	*	*	*			*			*		
Traes_2BL_A5BFA97B9.1	TaWRKY34	IIc	*	*	*	*	*				*		*
Traes_2DS_0F2500A60.1	TaWRKY36	IIc	*						*	*			
Traes_2DL_4F9F8F1F0.1	TaWRKY38	IIc	*	*			*				*	*	
Traes_3AL_67ECA2932.1	TaWRKY42	IIc	*	*	*	*				*			
Traes_3AL_1B73D2C12.1	TaWRKY43	IIc	*		*	*				*		*	*
TRAES3BF066700160CFD_t1	TaWRKY45	IIc	*	*	*				*				
TRAES3BF021300010CFD_t1	TaWRKY48	IIc	*	*	*				*	*	*		
TRAES3BF267200010CFD_t1	TaWRKY49	IIc	*	*				*					
TRAES3BF021100090CFD_t1	TaWRKY50	IIc	*	*	*				*	*	*		
TRAES3BF058500060CFD_t1	TaWRKY52	IIc	*	*			*		*			*	
TRAES3BF111700140CFD_t1	TaWRKY53	IIc	*	*	*	*		*		*		*	
TRAES3BF090100100CFD_t1	TaWRKY61	IIc	*		*			*					
TRAES3BF045500040CFD_t1	TaWRKY62	IIc	*	*		*	*	*	*		*		
Traes_3DL_DF0D3F3FE.1	TaWRKY63	IIc	*		*	*	*						*
Traes_5AL_E566BD64E.1	TaWRKY79	IIc	*	*		*				*			
Traes_5BL_C1D6B6B74.2	TaWRKY90	IIc	*	*	*				*			*	
Traes_5DL_7E2053226.2	TaWRKY97	IIc	*	*			*	*	*				

[illegible]

Transcript ID	Proposed name	Group	CATT-motif	AE-box	TCT-motif	TCCC-motif	ATCT-motif	3-AF1 binding site	rbcS-CMA7a	LAMP-element	ATC-motif	Box III	box II
			light	light	light	light	light	light	light	light	light	light	light
			responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	responsiveness
Traes_1AS_F3EAEC435.1	<i>TaWRKY1</i>	I		*									
Traes_1BS_EF67E5A24.1	<i>TaWRKY8</i>	I			*	*			*				
Traes_2AS_C407071E4.2	<i>TaWRKY23</i>	I	*						*	*			
Traes_2AS_0186B9E4F.2	<i>TaWRKY25</i>	I	*		*			*					
Traes_2AL_409AB7647.1	<i>TaWRKY26</i>	I		*	*			*		*			
Traes_2BL_2BA3A755A.1	<i>TaWRKY30</i>	I		*	*					*			
Traes_2BS_380EC4D1E.1	<i>TaWRKY32</i>	I										*	
Traes_2BS_D435A8999.1	<i>TaWRKY33</i>	I											
Traes_2DS_97E3E7CFC.1	<i>TaWRKY39</i>	I		*						*			
Traes_2DS_F6FBC974C.2	<i>TaWRKY41</i>	I					*		*				
Traes_4BL_EFEC50B26.2	<i>TaWRKY69</i>	I				*							
Traes_4DS_DC3C9DC42.2	<i>TaWRKY75</i>	I							*				
Traes_5AL_ED3ADED51.3	<i>TaWRKY77</i>	I											
Traes_5BS_C46781248.1	<i>TaWRKY82</i>	I					*						
Traes_5BL_A522C62D1.1	<i>TaWRKY83</i>	I	*	*					*				
Traes_5BL_17A712C94.1	<i>TaWRKY88</i>	I					*						
Traes_5DS_5DEA5C9E3.1	<i>TaWRKY94</i>	I		*	*								
Traes_5DL_21F7C6BF7.2	<i>TaWRKY96</i>	I											
Traes_5DL_46E3AC8D6.1	<i>TaWRKY98</i>	I				*		*					
Traes_5DL_4BA2CC560.2	<i>TaWRKY99</i>	I		*	*								
Traes_7BL_A46F1A830.2	<i>TaWRKY109</i>	I				*							
Traes_7DS_24C563960.1	<i>TaWRKY111</i>	I	*		*								
Traes_1DS_A6733B734.1	<i>TaWRKY120</i>	I	*		*			*			*	*	
Traes_3B_990298FF5.1	<i>TaWRKY133</i>	I					*						
Traes_4AL_2EEEECCC4B.1	<i>TaWRKY141</i>	I				*							
Traes_5AL_E644A6A0B.1	<i>TaWRKY145</i>	I	*	*	*								
Traes_5BL_D3C383CF5.1	<i>TaWRKY152</i>	I				*			*				
Traes_7AL_48C81DE03.1	<i>TaWRKY168</i>	I				*							
Traes_7AL_48C81DE031.1	<i>TaWRKY171</i>	I				*							
Traes_5BL_8BEF7F9CD.1	<i>TaWRKY86</i>	IIa		*							*		
Traes_5BL_90757F0CC.1	<i>TaWRKY87</i>	IIa	*										
Traes_7DL_5968FA56C.1	<i>TaWRKY113</i>	IIa										*	
Traes_7DL_B09854286.1	<i>TaWRKY114</i>	IIa		*			*						
Traes_7DL_F849918EA.2	<i>TaWRKY115</i>	IIa				*					*		
Traes_6AS_DA75BB1FD.1	<i>TaWRKY161</i>	IIa		*			*			*	*		
TRAES3BF003800010CFD_t1	<i>TaWRKY47</i>	IIb				*		*			*		*
Traes_4AL_3E11167D9.1	<i>TaWRKY68</i>	IIb			*				*				
Traes_6AL_0C0899C15.1	<i>TaWRKY104</i>	IIb					*	*				*	
Traes_7AS_C9DF68E53.2	<i>TaWRKY108</i>	IIb			*	*	*						
Traes_6DL_AB95B0CE0.1	<i>TaWRKY164</i>	IIb						*					
Traes_1AS_1432A2F79.1	<i>TaWRKY2</i>	IIc								*			
Traes_1AL_0404BC790.1	<i>TaWRKY6</i>	IIc			*		*						
Traes_1AL_9ADA7A031.1	<i>TaWRKY7</i>	IIc	*										
Traes_1BL_1D865A8CC.1	<i>TaWRKY11</i>	IIc	*	*	*								
Traes_1BL_9AFA4B870.1	<i>TaWRKY12</i>	IIc			*							*	*
Traes_1DL_D550418641.2	<i>TaWRKY15</i>	IIc	*		*		*						
Traes_1DL_5BAB0B6BC.1	<i>TaWRKY16</i>	IIc	*	*	*		*					*	
Traes_1DL_D1EC7DEA6.1	<i>TaWRKY17</i>	IIc											
Traes_1DL_46428511F.1	<i>TaWRKY18</i>	IIc	*										
Traes_2AS_D0C21ADB5.1	<i>TaWRKY19</i>	IIc				*						*	*
Traes_2AL_1B43EA59E.1	<i>TaWRKY20</i>	IIc	*				*	*					
Traes_2AL_B1270662B.1	<i>TaWRKY21</i>	IIc											
Traes_2BS_F3097F116.1	<i>TaWRKY28</i>	IIc	*			*							
Traes_2BL_A69F6C5DF.1	<i>TaWRKY31</i>	IIc	*			*							
Traes_2BL_A5BFA97B9.1	<i>TaWRKY34</i>	IIc	*	*									
Traes_2DS_0F2500A60.1	<i>TaWRKY36</i>	IIc					*						
Traes_2DL_4F9F8F1F0.1	<i>TaWRKY38</i>	IIc			*	*					*		
Traes_3AL_67ECA2932.1	<i>TaWRKY42</i>	IIc											*
Traes_3AL_1B73D2C12.1	<i>TaWRKY43</i>	IIc											
TRAES3BF066700160CFD_t1	<i>TaWRKY45</i>	IIc		*									*
TRAES3BF021300010CFD_t1	<i>TaWRKY48</i>	IIc		*									
TRAES3BF267200010CFD_t1	<i>TaWRKY49</i>	IIc										*	
TRAES3BF021100090CFD_t1	<i>TaWRKY50</i>	IIc		*									
TRAES3BF058500060CFD_t1	<i>TaWRKY52</i>	IIc		*									
TRAES3BF111700140CFD_t1	<i>TaWRKY53</i>	IIc			*								
TRAES3BF090100100CFD_t1	<i>TaWRKY61</i>	IIc			*								
TRAES3BF045500040CFD_t1	<i>TaWRKY62</i>	IIc	*					*		*			
Traes_3DL_DF0D3F3FE.1	<i>TaWRKY63</i>	IIc	*	*								*	
Traes_5AL_E566BD64E.1	<i>TaWRKY79</i>	IIc								*	*		
Traes_5BL_C1D6B6B74.2	<i>TaWRKY90</i>	IIc	*				*		*				
Traes_5DL_7E2053226.2	<i>TaWRKY97</i>	IIc	*			*							

[illegible]

[illegible]

Traes_6AL_BA4636569.1	TaWRKY102	Ilc
Traes_6BL_DD840863A.1	TaWRKY105	Ilc
Traes_6DL_D29E210A1.1	TaWRKY106	Ilc *
Traes_1AL_F64E07A92.1	TaWRKY116	Ilc *
Traes_1BL_B15990028.1	TaWRKY118	Ilc
Traes_3AL_4769A72F1.1	TaWRKY125	Ilc *
Traes_3AL_AB2BAE660.1	TaWRKY129	Ilc
Traes_3AL_140B829CB.2	TaWRKY130	Ilc * *
Traes_4AL_234E1CDF6.1	TaWRKY140	Ilc
Traes_4DS_CFC487CE5.2	TaWRKY143	Ilc *
Traes_6DS_BF71C1557.2	TaWRKY166	Ilc
Traes_2AL_434E9F101.1	TaWRKY22	Ild
Traes_2AL_15A7BB684.1	TaWRKY27	Ild
Traes_2BL_6B75B32E3.1	TaWRKY35	Ild
Traes_2DL_F600B5FDF.1	TaWRKY37	Ild
Traes_4AL_98B1C762B.1	TaWRKY67	Ild
Traes_4BS_CE839571B.2	TaWRKY71	Ild
Traes_4DS_3BE557D5C.2	TaWRKY73	Ild
Traes_5AL_6F7D1D441.1	TaWRKY80	Ild
Traes_5BS_E0345D5DF.2	TaWRKY81	Ild * *
Traes_5BL_8688F70C9.1	TaWRKY89	Ild
Traes_5BL_E294922A9.2	TaWRKY91	Ild *
Traes_5DS_D83DEA9B0.1	TaWRKY93	Ild *
Traes_5BL_AEF9FE805.2	TaWRKY154	Ild
Traes_1AL_4E924201A.1	TaWRKY3	Ile *
TRAES3BF180700010CFD_t1	TaWRKY51	Ile
TRAES3BF073300120CFD_t1	TaWRKY54	Ile * *
TRAES3BF029000080CFD_t1	TaWRKY55	Ile
Traes_5DL_E4A6D1889.2	TaWRKY100	Ile
Traes_6AL_A5FB7CFA5.1	TaWRKY103	Ile *
Traes_6DL_D4F2CDDDC.1	TaWRKY107	Ile
Traes_1BL_794E99FF5.1	TaWRKY119	Ile *
Traes_5BL_B9DD3E76F.1	TaWRKY155	Ile
Traes_1AL_309623B48.1	TaWRKY4	III
Traes_1AL_B24F28600.1	TaWRKY5	III
Traes_1BL_46340D685.1	TaWRKY9	III
Traes_1BL_B4AFDB663.1	TaWRKY10	III
Traes_1BL_73811B853.1	TaWRKY13	III
Traes_1DL_DFE1721E0.1	TaWRKY14	III
Traes_2AS_6269D889E.1	TaWRKY24	III *
Traes_2BS_B65714572.1	TaWRKY29	III *
Traes_2DS_AD8820C42.1	TaWRKY40	III *
Traes_3AL_2297D6E18.1	TaWRKY44	III * *
TRAES3BF051200110CFD_t1	TaWRKY46	III * *
TRAES3BF081400030CFD_t1	TaWRKY56	III
TRAES3BF001300030CFD_t1	TaWRKY57	III
TRAES3BF005100010CFD_t1	TaWRKY58	III
TRAES3BF005100020CFD_t1	TaWRKY59	III *
TRAES3BF005100030CFD_t1	TaWRKY60	III *
Traes_3DL_48F7A19D2.1	TaWRKY64	III
Traes_4AS_70DF607CC.1	TaWRKY65	III * *
Traes_4AL_9E0D1CFA6.1	TaWRKY66	III *
Traes_4BS_A6D9EB0E5.1	TaWRKY70	III
Traes_4BL_A8C6FBEB6.1	TaWRKY72	III *
Traes_4DS_FE38A59D0.1	TaWRKY74	III
Traes_4DL_3140A8240.1	TaWRKY76	III *
Traes_5AL_B4E8A3115.2	TaWRKY78	III
Traes_5BL_0A3D332A8.1	TaWRKY84	III
Traes_5BL_175E7FC38.1	TaWRKY85	III *
Traes_5DL_C93641E43.1	TaWRKY92	III
Traes_5DL_5C93510D5.1	TaWRKY95	III
Traes_6AS_68775100B.1	TaWRKY101	III
Traes_7DS_01F74C6F3.1	TaWRKY110	III *
Traes_7DL_A9EF00572.1	TaWRKY112	III *
Traes_2AS_1AFFE8DA6.1	TaWRKY121	III *
Traes_2DL_362A1F535.1	TaWRKY122	III
Traes_3B_8B0D448D8.1	TaWRKY132	III
Traes_3DL_2551BF2C1.1	TaWRKY136	III
Traes_4AS_0DA136E0E.1	TaWRKY142	III
Traes_5DL_09F1F8F79.1	TaWRKY160	III *
Traes_7BL_53AA25AA1.1	TaWRKY169	III

Transcript ID	Proposed name	Group	4cl-CMA2b	ATCC-motif	GATT-motif	chs-CMA2c	Pc-CMA2c	chs-CMA1a	chs-CMA2b	LS7	CGT-motif	as-2-box
			light	light	light	light	light	part of a light	light	light	light	shoot-specific expression
			responsiveness	responsiveness	responsiveness	responsiveness	responsiveness	response element	responsiveness	responsiveness	responsiveness	and light responsiveness
Traes_1AS_F3EAEC435.1	TaWRKY1	I										
Traes_1BS_EF67E5A24.1	TaWRKY8	I										
Traes_2AS_C407071E4.2	TaWRKY23	I										*
Traes_2AS_0186B9E4F.2	TaWRKY25	I										
Traes_2AL_409AB7647.1	TaWRKY26	I								*		
Traes_2BL_2BA3A755A.1	TaWRKY30	I										
Traes_2BS_380EC4D1E.1	TaWRKY32	I										
Traes_2BS_D435A8999.1	TaWRKY33	I		*								*
Traes_2DS_97E3E7CFC.1	TaWRKY39	I										
Traes_2DS_F6FBC974C.2	TaWRKY41	I										
Traes_4BL_EFEC50B26.2	TaWRKY69	I										
Traes_4DS_DC3C9DC42.2	TaWRKY75	I										
Traes_5AL_ED3ADED51.3	TaWRKY77	I										*
Traes_5BS_C46781248.1	TaWRKY82	I										*
Traes_5BL_A522C62D1.1	TaWRKY83	I										
Traes_5BL_17A712C94.1	TaWRKY88	I					*					
Traes_5DS_5DEA5C9E3.1	TaWRKY94	I										
Traes_5DL_21F7C6BF7.2	TaWRKY96	I										
Traes_5DL_46E3AC8D6.1	TaWRKY98	I										
Traes_5DL_4BA2CC560.2	TaWRKY99	I										
Traes_7BL_A46F1A830.2	TaWRKY109	I										
Traes_7DS_24C563960.1	TaWRKY111	I										
Traes_1DS_A6733B734.1	TaWRKY120	I										
Traes_3B_990298FF5.1	TaWRKY133	I										
Traes_4AL_2EEEECCC4B.1	TaWRKY141	I										
Traes_5AL_E644A6A0B.1	TaWRKY145	I							*			
Traes_5BL_D3C383CF5.1	TaWRKY152	I										*
Traes_7AL_48C81DE03.1	TaWRKY168	I										
Traes_7AL_48C81DE031.1	TaWRKY171	I										
Traes_5BL_8BEF7F9CD.1	TaWRKY86	IIa										
Traes_5BL_90757F0CC.1	TaWRKY87	IIa										
Traes_7DL_5968FA56C.1	TaWRKY113	IIa										
Traes_7DL_B09854286.1	TaWRKY114	IIa										
Traes_7DL_F849918EA.2	TaWRKY115	IIa										
Traes_6AS_DA75BB1FD.1	TaWRKY161	IIa										
TRAES3BF003800010CFD_t1	TaWRKY47	IIb										
Traes_4AL_3E11167D9.1	TaWRKY68	IIb										
Traes_6AL_0C0899C15.1	TaWRKY104	IIb										
Traes_7AS_C9DF68E53.2	TaWRKY108	IIb										
Traes_6DL_AB95B0CE0.1	TaWRKY164	IIb										
Traes_1AS_1432A2F79.1	TaWRKY2	IIc										
Traes_1AL_0404BC790.1	TaWRKY6	IIc										
Traes_1AL_9ADA7A031.1	TaWRKY7	IIc										
Traes_1BL_1D865A8CC.1	TaWRKY11	IIc										
Traes_1BL_9AFA4B870.1	TaWRKY12	IIc										
Traes_1DL_D550418641.2	TaWRKY15	IIc										
Traes_1DL_5BAB0B6BC.1	TaWRKY16	IIc										*
Traes_1DL_D1EC7DEA6.1	TaWRKY17	IIc		*								
Traes_1DL_46428511F.1	TaWRKY18	IIc							*			
Traes_2AS_D0C21ADB5.1	TaWRKY19	IIc										
Traes_2AL_1B43EA59E.1	TaWRKY20	IIc										
Traes_2AL_B1270662B.1	TaWRKY21	IIc										
Traes_2BS_F3097F116.1	TaWRKY28	IIc										
Traes_2BL_A69F6C5DF.1	TaWRKY31	IIc										
Traes_2BL_A5BFA97B9.1	TaWRKY34	IIc										
Traes_2DS_0F2500A60.1	TaWRKY36	IIc										
Traes_2DL_4F9F8F1F0.1	TaWRKY38	IIc										
Traes_3AL_67ECA2932.1	TaWRKY42	IIc									*	
Traes_3AL_1B73D2C12.1	TaWRKY43	IIc										
TRAES3BF066700160CFD_t1	TaWRKY45	IIc										
TRAES3BF021300010CFD_t1	TaWRKY48	IIc			*							
TRAES3BF267200010CFD_t1	TaWRKY49	IIc										
TRAES3BF021100090CFD_t1	TaWRKY50	IIc			*							
TRAES3BF058500060CFD_t1	TaWRKY52	IIc										
TRAES3BF111700140CFD_t1	TaWRKY53	IIc										
TRAES3BF090100100CFD_t1	TaWRKY61	IIc										
TRAES3BF045500040CFD_t1	TaWRKY62	IIc										
Traes_3DL_DF0D3F3FE.1	TaWRKY63	IIc										*
Traes_5AL_E566BD64E.1	TaWRKY79	IIc					*					
Traes_5BL_C1D6B6B74.2	TaWRKY90	IIc										
Traes_5DL_7E2053226.2	TaWRKY97	IIc										*

Traes_6AL_BA4636569.1	TaWRKY102	Ile			
Traes_6BL_DD840863A.1	TaWRKY105	Ile			*
Traes_6DL_D29E210A1.1	TaWRKY106	Ile			
Traes_1AL_F64E07A92.1	TaWRKY116	Ile			
Traes_1BL_B15990028.1	TaWRKY118	Ile			
Traes_3AL_4769A72F1.1	TaWRKY125	Ile			
Traes_3AL_AB2BAE660.1	TaWRKY129	Ile			
Traes_3AL_140B829CB.2	TaWRKY130	Ile	*		
Traes_4AL_234E1CDF6.1	TaWRKY140	Ile			
Traes_4DS_CFC487CE5.2	TaWRKY143	Ile			*
Traes_6DS_BF71C1557.2	TaWRKY166	Ile			
Traes_2AL_434E9F101.1	TaWRKY22	Ild			
Traes_2AL_15A7BB684.1	TaWRKY27	Ild	*		*
Traes_2BL_6B75B32E3.1	TaWRKY35	Ild	*		*
Traes_2DL_F600B5FDF.1	TaWRKY37	Ild			
Traes_4AL_98B1C762B.1	TaWRKY67	Ild		*	
Traes_4BS_CE839571B.2	TaWRKY71	Ild			
Traes_4DS_3BE557D5C.2	TaWRKY73	Ild			
Traes_5AL_6F7D1D441.1	TaWRKY80	Ild			
Traes_5BS_E0345D5DF.2	TaWRKY81	Ild	*		
Traes_5BL_8688F70C9.1	TaWRKY89	Ild			
Traes_5BL_E294922A9.2	TaWRKY91	Ild			
Traes_5DS_D83DEA9B0.1	TaWRKY93	Ild	*		
Traes_5BL_AEF9FE805.2	TaWRKY154	Ild			
Traes_1AL_4E924201A.1	TaWRKY3	Ile			
TRAES3BF180700010CFD_t1	TaWRKY51	Ile			
TRAES3BF073300120CFD_t1	TaWRKY54	Ile	*		*
TRAES3BF029000080CFD_t1	TaWRKY55	Ile			
Traes_5DL_E4A6D1889.2	TaWRKY100	Ile			
Traes_6AL_A5FB7CFA5.1	TaWRKY103	Ile			
Traes_6DL_D4F2CDDDC.1	TaWRKY107	Ile			
Traes_1BL_794E99FF5.1	TaWRKY119	Ile			
Traes_5BL_B9DD3E76F.1	TaWRKY155	Ile			
Traes_1AL_309623B48.1	TaWRKY4	III			
Traes_1AL_B24F28600.1	TaWRKY5	III			
Traes_1BL_46340D685.1	TaWRKY9	III	*		
Traes_1BL_B4AFDB663.1	TaWRKY10	III			
Traes_1BL_73811B853.1	TaWRKY13	III			*
Traes_1DL_DFE1721E0.1	TaWRKY14	III			
Traes_2AS_6269D889E.1	TaWRKY24	III			*
Traes_2BS_B65714572.1	TaWRKY29	III			
Traes_2DS_AD8820C42.1	TaWRKY40	III			
Traes_3AL_2297D6E18.1	TaWRKY44	III			
TRAES3BF051200110CFD_t1	TaWRKY46	III	*		
TRAES3BF081400030CFD_t1	TaWRKY56	III			*
TRAES3BF001300030CFD_t1	TaWRKY57	III			
TRAES3BF005100010CFD_t1	TaWRKY58	III			
TRAES3BF005100020CFD_t1	TaWRKY59	III			
TRAES3BF005100030CFD_t1	TaWRKY60	III			
Traes_3DL_48F7A19D2.1	TaWRKY64	III			
Traes_4AS_70DF607CC.1	TaWRKY65	III			
Traes_4AL_9E0D1CFA6.1	TaWRKY66	III			
Traes_4BS_A6D9EB0E5.1	TaWRKY70	III			
Traes_4BL_A8C6FBEB6.1	TaWRKY72	III			
Traes_4DS_FE38A59D0.1	TaWRKY74	III		*	
Traes_4DL_3140A8240.1	TaWRKY76	III			
Traes_5AL_B4E8A3115.2	TaWRKY78	III			*
Traes_5BL_0A3D332A8.1	TaWRKY84	III			
Traes_5BL_175E7FC38.1	TaWRKY85	III			
Traes_5DL_C93641E43.1	TaWRKY92	III			
Traes_5DL_5C93510D5.1	TaWRKY95	III			
Traes_6AS_68775100B.1	TaWRKY101	III			
Traes_7DS_01F74C6F3.1	TaWRKY110	III	*		*
Traes_7DL_A9EF00572.1	TaWRKY112	III			
Traes_2AS_1AFFE8DA6.1	TaWRKY121	III			
Traes_2DL_362A1F535.1	TaWRKY122	III			
Traes_3B_8B0D448D8.1	TaWRKY132	III			
Traes_3DL_2551BF2C1.1	TaWRKY136	III			
Traes_4AS_0DA136E0E.1	TaWRKY142	III			
Traes_5DL_09F1F8F79.1	TaWRKY160	III			
Traes_7BL_53AA25AA1.1	TaWRKY169	III			