

S11 Table: Analysis of cis-regulatory element in 1000bp upstream promoter sequences from TSS in SAGA complex subunit genes using PlantCARE and PLACE database.

S. No.	GENE	Locus	Site	Position from TSS	Strand	Element Sequence	Function
1	TAF13	AT1G02680	HSE	288	-	AGAAAATTTCG	cis-acting element involved in heat stress responsiveness
			MBS	436	-	CAACTG	MYB binding site involved in drought-inducibility
				954	-	CAACTG	MYB binding site involved in drought-inducibility
				795	+	CAACTG	MYB binding site involved in drought-inducibility
			TC-rich repeats	301	+	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
				548	+	ATTTTCTCCA	cis-acting element involved in defense and stress responsiveness
2	TAF6	AT1G04950	ABRE	671	-	TACGTG	cis-acting element involved in the abscisic acid responsiveness
			HSE	849	+	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
			LTR	916	+	CCGAAA	cis-acting element involved in low-temperature responsiveness
			TC-rich repeats	746	-	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
3	TAF12b	AT1G17440	HSE	3	+	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
			MBS	420	-	TAACTG	MYB binding site involved in drought-inducibility
				834	-	CAACTG	MYB binding site involved in drought-inducibility
4	TAF1	AT1G32750	HSE	190	+	AGAAAATTTCG	cis-acting element involved in heat stress responsiveness
			MBS	492	-	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
				717	-	TAACTG	MYB binding site involved in drought-inducibility
			TC-rich repeats	300	+	ATTTTCTCCA	cis-acting element involved in defense and stress responsiveness
				585	-	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
				447	+	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
5	TAF9	AT1G54140	ABRE	364	+	GCCACGTACA	cis-acting element involved in the abscisic acid responsiveness
			LTR	463	-	CCGAAA	cis-acting element involved in low-temperature responsiveness
			MBS	776	+	CGGTCA	MYB Binding Site
			TC-rich repeats	599	+	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
6	TAF6b	AT1G54360	MBS	386	-	TAACTG	MYB binding site involved in drought-inducibility
			TC-rich repeats	877	+	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
7	SPT20	AT1G72390	LTR	547	-	CCGAAA	cis-acting element involved in low-temperature responsiveness
				85	-	CCGAAA	cis-acting element involved in low-temperature responsiveness
			MBS	115	-	TAACTG	MYB binding site involved in drought-inducibility
8	CHR5	AT2G13370	MBS	721	-	CAACTG	MYB binding site involved in drought-inducibility
			TC-rich repeats	971	+	ATTTTCTCCA	cis-acting element involved in defense and stress responsiveness

9	ADA1 A	AT2G14850	ABRE	153	-	CGCACGTGTC	cis-acting element involved in the abscisic acid responsiveness
				66	+	CGTACGTGCA	cis-acting element involved in the abscisic acid responsiveness
				155	-	CACGTG	cis-acting element involved in the abscisic acid responsiveness
				68	+	TACGTG	cis-acting element involved in the abscisic acid responsiveness
			HSE	659	+	AAAAAATTTC	cis-acting element involved in heat stress responsiveness
				162	-	AAAAAATTTC	cis-acting element involved in heat stress responsiveness
				211	-	AAAAAATTTC	cis-acting element involved in heat stress responsiveness
				161	-	AGAAAATTTCG	cis-acting element involved in heat stress responsiveness
			MBS	408	-	TAACTG	MYB binding site involved in drought-inducibility
			TC-rich repeats	377	-	GTTTTCTTAC	cis-acting element involved in defense and stress responsiveness
				61	+	GTTTTCTTAC	cis-acting element involved in defense and stress responsiveness
10	TRA1A	AT2G17930	LTR	620	+	CCGAAA	cis-acting element involved in low-temperature responsiveness
			PRECON SCRHSP 70A	929	-	SCGAYNRNNNN NNNNNNNNNN HD	Involved in induction of HSP70A gene S=G/C; Y=C/T; R=A/G; H=T/C/A; D=A/T/G
				919	-	SCGAYNRNNNN NNNNNNNNNN HD	Involved in induction of HSP70A gene S=G/C; Y=C/T; R=A/G; H=T/C/A; D=A/T/G
11	TAF12	AT3G10070	LTR	917	-	CCGAAA	cis-acting element involved in low-temperature responsiveness
				950	-	CCGAAA	cis-acting element involved in low-temperature responsiveness
			TC-rich repeats	300	-	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
				581	+	ATTTTCTCCA	cis-acting element involved in defense and stress responsiveness
			PRECON SCRHSP 70A	943		SCGAYNRNNNN NNNNNNNNNN HD	Involved in induction of HSP70A gene S=G/C; Y=C/T; R=A/G; H=T/C/A; D=A/T/G
				14		SCGAYNRNNNN NNNNNNNNNN HD	Involved in induction of HSP70A gene S=G/C; Y=C/T; R=A/G; H=T/C/A; D=A/T/G
12	ENY2	AT3G27100	ABRE	876	-	TACGTG	cis-acting element involved in the abscisic acid responsiveness
				943	-	TACGTG	cis-acting element involved in the abscisic acid responsiveness
			LTR	920	-	CCGAAA	cis-acting element involved in low-temperature responsiveness
			MBS	419	-	TAACTG	MYB binding site involved in drought-inducibility
			TC-rich repeats	68	-	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
				557	+	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
				494	+	ATTTTCTCCA	cis-acting element involved in defense and stress responsiveness
13	SGF29a	AT3G27460	ABRE	398	+	CACGTG	cis-acting element involved in the abscisic acid responsiveness
				399	+	ACGTGGC	cis-acting element involved in the abscisic acid responsiveness
			HSE	646	+	AAAAAATTTC	cis-acting element involved in heat stress responsiveness
			TC-rich repeats	125	+	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
				242	-	ATTTTCTTCA	cis-acting element involved in defense and stress

							responsiveness
14	GCN5	AT3G54610	LTR	125	+	CCGAAA	cis-acting element involved in low-temperature responsiveness
			MBS	775	+	CGGTCA	MYB Binding Site
			CCAATB OX1	194	-	CCAAT	Cooperatively with HSEs to increase the hs promoter activity
			PRECON SCRHSP 70A	754	-	SCGAYNRNNNNN NNNNNNNNNNNN HD	Involved in induction of HSP70A gene S=G/C; Y=C/T; R=A/G; H=T/C/A; D=A/T/G
				179	-	SCGAYNRNNNNN NNNNNNNNNNNN HD	Involved in induction of HSP70A gene S=G/C; Y=C/T; R=A/G; H=T/C/A; D=A/T/G
15	ADA2B	AT4G16420	HSE	17	-	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
				860	+	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
			TC-rich repeats	597	-	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
				896	+	ATTTTCTTCA	cis-acting element involved in defense and stress responsiveness
			MYB1A T	561	+	WAACCA	MYB binding site involved in drought-inducibility W=A/T
				643	+	WAACCA	MYB binding site involved in drought-inducibility W=A/T
16	ADA3	AT4G29790	HSE	930	+	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
			MBS	311	+	GTTTTCTTAC	cis-acting element involved in defense and stress responsiveness
			ABRELA TERD1	347	-	ACGTG	early responsive to dehydration
17	TAF10	AT4G31720	MBS	987	-	CGGTCA	MYB Binding Site
			TC-rich repeats	371	-	ATTTTCTCCA	cis-acting element involved in defense and stress responsiveness
				515	-	ATTTTCTCCA	cis-acting element involved in defense and stress responsiveness
			CCAATB OX1	529	+	CCAAT	Cooperatively with HSEs to increase the hs promoter activity
			MYB1A T	438	+	WAACCA	MYB binding site involved in drought-inducibility W=A/T
18	TRA1B	AT4G36080	HSE	716	-	AGAAAATTCG	cis-acting element involved in heat stress responsiveness
			MBS	543	+	CGGTCA	MYB Binding Site
				712	-	CGGTCA	MYB Binding Site
19	UBP22	AT5G10790	HSE	499	-	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
				33	+	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
				265	-	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
			LTR	39	-	CCGAAA	cis-acting element involved in low-temperature responsiveness
			MBS	703	-	TAACTG	MYB binding site involved in drought-inducibility
				694	+	TAACTG	MYB binding site involved in drought-inducibility
			TC-rich repeats	504	+	ATTTTCTCCA	cis-acting element involved in defense and stress responsiveness
20	TAF5	AT5G25150	HSE	841	+	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
				715	-	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
				814	+	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
				815	+	AAAAAATTTTC	cis-acting element involved in heat stress

							responsiveness
				774	+	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
			MBS	525	-	TAACTG	MYB binding site involved in drought-inducibility
21	SGF29 B	AT5G40550	HSE	651	-	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
				367	-	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
			MBS	237	+	TAACTG	MYB binding site involved in drought-inducibility
			TC-rich repeats	435	-	GTTTCTTAC	cis-acting element involved in defense and stress responsiveness
22	SFG11	AT5G58575	ABRE	551	-	TACGTG	cis-acting element involved in the abscisic acid responsiveness
			TC-rich repeats	522	+	ATTTCTTCA	cis-acting element involved in defense and stress responsiveness
				104	-	GTTTCTTAC	cis-acting element involved in defense and stress responsiveness
			CCAATB OX1	571	+	CCAAT	Cooperatively with HSEs to increase the hs promoter activity
23	ADA1B	AT5G67410	ABRE	419	+	CACGTG	cis-acting element involved in the abscisic acid responsiveness
			HSE	480	+	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness
				885	-	AAAAAATTTTC	cis-acting element involved in heat stress responsiveness