

**Table S5.** Cis-acting elements in promoters of *MaRab* genes in different group.

Group	auxin- response ive	cell cycle regulati on	defense and stress response iveness	gibbere llin- response iveness	light response iveness	low- temper ature response iveness	salicyli c acid response iveness	abscisic acid response iveness	anaero bic inducti on	auxin response iveness (MYB binding site)	circadia n control	light inducti on (MYB binding site)	seed- specific regulati on	MeJA- response iveness	zein metabo lism regulati on	meriste m express ion	endosp erm express ion	anoxic specific inducib ility	gibbere llin- response ive (MYB binding site)	drough t- inducib ility	flavono id biosynt hetic genes regulati on	light inducti on	MYBH v1 binding site	wound- response ive elemen t	Total
A	3	1	8	1	4	10	10	15	34	0	2	16	0	36	9	4	4	0	3	3	0	3	5	1	172
B	2	0	2	0	1	1	0	2	2	0	2	3	0	4	0	3	0	0	2	0	0	0	0	0	24
C	2	0	2	0	0	4	1	5	7	2	0	9	0	10	3	1	0	1	1	1	0	1	1	0	51
D	2	0	1	1	0	1	0	10	2	0	1	10	0	16	0	1	0	0	0	0	0	0	3	0	48
E	0	0	0	0	0	0	1	0	1	0	0	0	0	2	0	0	1	0	0	0	0	1	0	0	6
F	1	0	0	0	1	3	1	8	2	0	0	11	0	6	0	1	0	0	0	0	0	0	0	0	34
G	1	0	3	0	1	3	4	1	3	1	1	2	0	4	6	2	2	0	1	1	0	0	1	0	37
H	2	0	2	2	0	1	0	3	3	0	1	4	1	2	1	0	1	1	1	2	1	1	0	0	29
Total	13	1	18	4	7	23	17	44	54	3	7	55	1	80	19	12	8	2	8	7	1	6	10	1	401