

S1 Table. Summary of previously described interactions between R2R3-MYBs and consensus DNA motifs in *Arabidopsis thaliana*. MYB-core type I: CNGTTR (R=A/G), MYB-core type II: TNGTTR (R=A/G), AC-element ACCWAMY (W=A/T, M=A/C, and Y=T/C) and FLP/MYB88 binding sites: DDCSS (D=A/T/G, and S=C/G). MYB-core like consensus sequences refers to sequences similar to either MYB-core type I or type II. Details are given Table S2.

Subgroup	R2R3-MYB	Consensus DNA motif
S1	AtMYB030	MYB-core type II
S1	AtMYB031 / ATY13	AC-element
S1	AtMYB060	AC-element
S1	AtMYB094	AC-element
S1	AtMYB096	MYB-core type I and MYB-core type II
S2	AtMYB013	MYB-core type I and MYB-core type II
S2	AtMYB015	AC-element
S3	AtMYB058	AC-element
S5	AtMYB123 / TT2	MYB-core type I and MYB-core type II
S6	AtMYB075 / PAP1	AC-element
S7	AtMYB111 / PFG3	AC-element
S10	AtMYB107	AC-element
S11	AtMYB102 / AtM4	AC-element
S13	AtMYB050	AC-element
S13	AtMYB055	AC-element
S13	AtMYB061	AC-element
S13	AtMYB086	AC-element
S14	AtMYB084	AC-element
S15	AtMYB000 / GL1	MYB-core type II
S15	AtMYB023	MYB-core type II and AC-element
S15	AtMYB066 / WER	MYB-core type I, MYB-core type II and AC-element
S16	AtMYB019	AC-element
S16	AtMYB045	AC-element
S18	AtMYB033	AC-element
S18	AtMYB081	AC-element
S19	AtMYB021	MYB-core type I, MYB-core type II and MYB-core Like
S20	AtMYB002	MYB-core type I and AC-element
S20	AtMYB108 / BOS1	AC-element
S20	AtMYB112	AC-element
S21	AtMYB052	MYB-core type I and MYB-core type II
S22	AtMYB044 / AtMYBR1	MYB-core type I, MYB-core type II and MYB-core Like
S22	AtMYB073	AC-element
S22	AtMYB077 / AtMYBR2	MYB-core type I, MYB-core type II and MYB-core Like
S24	AtMYB092	AC-element
S25	AtMYB118	MYB-core type I
	AtMYB046	AC-element
	AtMYB049	AC-element
	AtMYB059	AC-element
	AtMYB071 / MYB305	AC-element
	AtMYB072	AC-element
	AtMYB083	AC-element
	AtMYB088	FLP/MYB88 Binding site
	AtMYB091 / AS1	MYB-core type I and MYB-core Like
	AtMYB099	AC-element
	AtMYB103	AC-element
	AtMYB124 / FLP	FLP/MYB88 Binding site