

S1 Table. Transcription factor binding sites in *Tragopogon rbcS-1* promoter region as determined by Plant Promoter Analysis Navigator (PlantPAN).

Transcription factor	Site	Sequence	Species
AGL3	11	atacCCATAacgtatcag	<i>Arabidopsis</i>
Athb-1	254	tgaggATTATatca	<i>Arabidopsis</i>
ATHB-9	91	ttggtaATGATaaggcat	<i>Arabidopsis</i>
CDC5	22	gtaTCAGCctc	<i>Arabidopsis</i>
PIF3	65	ccctgcCACGTgtcacat	<i>Arabidopsis</i>
ABRELATED1	72	ACGTG	<i>Arabidopsis</i>
ANAERO1CONSENSUS	202	TTTGTTT	Maize/ <i>Arabidopsis</i> /Pea/Barley/ Rice
CACGTGMOTIF	71	CACGTG	Tomato/ <i>Arabidopsis</i> /Snapdragon/ Wheat
Core	1	ATTA	<i>Arabidopsis</i>
Core	108	ATTA	<i>Arabidopsis</i>
GATABOX	100	GATA	<i>Petunia/Arabidopsis/Rice</i>
GATABOX	196	GATA	<i>Petunia/Arabidopsis/Rice</i>
GATABOX	263	TATC	<i>Petunia/Arabidopsis/Rice</i>
GBOXLERBCS	69	GCCACGTGT	Tomato/ <i>Arabidopsis</i>
GT1CONSENSUS	108	ATTACC	Pea/Oat/Rice/Tobacco/ <i>Arabidopsis</i>
HY5AT	68	TGCCACGTGTCA	<i>Arabidopsis</i>
IBOXCORENT	100	GATAAGG	Tobacco
IBOXCORENT	48	GATAAGG	tobacco
IBOX	100	GATAAG	Tomato/ <i>Arabidopsis</i>
IBOX	48	GATAAG	Tomato/ <i>Arabidopsis</i>
LRENPCABE	68	TGCCACGT	Tobacco
MYB2COREATCYCB1	213	CCGTT	<i>Arabidopsis</i>
RBCSCONSENSUS	272	TTGGATT	Tomato/ <i>petunia</i> /Tobacco/Pea

SORLIP1AT	158	GCCAC	<i>Arabidopsis</i>
SORLIP1AT	69	GCCAC	<i>Arabidopsis</i>
WBOXNTERF3	82	TGACC	Tobacco