

Supplementary Table 2. Cis-elements present in the promoter region of *TcSERPIN* gene.

| Name of Cis-elements | Organism | Sequence/Strand/Position | Function |
|----------------------|-----------------------------|--|---|
| AT~TATA-box | <i>Arabidopsis thaliana</i> | TATATA (+42, +44, +46) | Core promoter / enhancer element |
| CAAT-box | <i>Arabidopsis thaliana</i> | CCAAT (+257, -1300, -1443) | Common cis-acting element in promoter and enhancer regions |
| | <i>Nicotiana glutinosa</i> | CAAT (-93, -149, -265, +258, +400, -487, +613, -742, +1099) | |
| | <i>Pisum sativum</i> | CAAAT (-58, -412, +463, +601, +731, -1066, +1149, +1410) | |
| TATA | <i>Arabidopsis thaliana</i> | TATAAAAT (-181) | Core promoter / enhancer element |
| TATA-box | <i>Arabidopsis thaliana</i> | taTATAAAAtc (-40) | Transcription start |
| | <i>Arabidopsis thaliana</i> | TATA (+48, +185, +193, +243, +346, +458, -975, - 354, -1414) | |
| | <i>Brassica oleracea</i> | ATATAA (+242, +1413) | |
| | <i>Helianthus annuus</i> | TATAAA (-183, -191, -456) | |
| | <i>Pisum sativum</i> | TATAAAA (-182) | |
| | <i>Brassica juncea</i> | TATAAAT (-190) | |
| | <i>Brassica napus</i> | ATATAT (+41, +43, +45, +47) | |
| | <i>Arabidopsis thaliana</i> | TATAA (-184, -192, -457) | |
| | <i>Avena sativa</i> | TATATTTATATTT (+42) | |
| | <i>Brassica napus</i> | TATATA (+44, +46) | |
| | <i>Arabidopsis thaliana</i> | TATTTAAA (+105, -107) | |
| ARE | <i>Zea mays</i> | AAACCA (+998) | Cis-acting regulatory element essential for the anaerobic induction |

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|-----------------|-----------------------------|---------------------------------------|---|
| Box 4 | <i>Petroselinum crispum</i> | ATTAAT (+85, +89, +114) | Part of a conserved DNA module involved in light responsiveness |
| ERE | <i>Nicotiana glutinosa</i> | ATTTTAAA (-126) | Ethylene-responsive element |
| G-box | <i>Petroselinum crispum</i> | ATTAAT (+608) | Part of a conserved DNA module involved in light responsiveness |
| GATA-motif | <i>Arabidopsis thaliana</i> | AAGATAAGATT (+1364) | Part of a light responsive element |
| GT1-motif | <i>Avena sativa</i> | GGTTAAT (-653), GGTTAA (-654) | Light responsive element |
| MSA-like | <i>Catharanthus roseus</i> | TCAAACGGT (+1164) | Cis-acting element involved in cell cycle regulation |
| MYC | <i>Arabidopsis thaliana</i> | CATTG (+361, +411, -493, -601, +1065) | Cis-acting regulatory element involved in early response to drought and abscisic acid induction |
| STRE | <i>Arabidopsis thaliana</i> | AGGGG (+482) | Stress response element |
| Sp1 | <i>Oryza sativa</i> | GGGCGG (-1224) | Light responsive element |
| TC-rich repeats | <i>Nicotiana tabacum</i> | GTTTTCTTAC (-319) | Defense and stress responsiveness |
| TCT-motif | <i>Arabidopsis thaliana</i> | TCTTAC (-1070) | Light responsive element |
| W box | <i>Arabidopsis thaliana</i> | TTGACC (-1162) | Sequence recognized by WRKY DNA binding proteins |
| WRE3 | <i>Pisum sativum</i> | CCACCT (+965) | Putative element of wound response |