

Additional Table 2: Chloroplast Transit Peptide Predictions for At5g39790 and Homologues

Sequences	<u>iPSORT</u> ^a	<u>PCLR</u> ^b	<u>Predotar</u> ^c	<u>TargetP</u>	<u>Consensus Prediction</u>
At5g39790	Chloro	Pos (0.55)	Plastid(0.55)	Mito RC5 ^d	Chloro (3/4)
Gossypium raimondii C0080363.1	Mito	Neg (0.061)	None (0.99)	Mito RC3	Not chloro
Oryza sativa CT832199.1	None	Neg (0.329)	None (0.90)	None RC5	Not chloro
Hordeum vulgare AK252768.1	None	Neg (0.255)	None (0.93)	None RC3	Not chloro
Chlamydomonas reinhardtii XM_001694367.1	Mito	Pos (0.875)	Possibly mito (0.37)	Chloro RC4	Possibly chloro (2/4)
Taraxacum officinale DY832182.1	Chloro	Pos (0.609)	Possibly plastid(0.21)	Chloro RC4	Chloro (4/4)
Medicago truncatula DW015918.1	None	Neg (0.129)	None (0.96)	Chloro RC3	Not chloro
Raphanus raphanistrum EV525590	Chlor	Neg (0.190)	None (0.85)	None RC5	Not chloro
Citrus clementina DY276384.1	None	Neg (0.133)	None (0.98)	None RC3	Not chloro
Populus trichocarpa EF146538.1	None	Neg (0.180)	None (0.94)	None RC4	Not chloro
Citrus sinensis CK933812	None	Neg (0.133)	None (0.98)	None RC3	Not chloro
Glycine max EH258682	None	Neg (0.344)	Possibly plastid(0.21)	Chloro RC3	Possibly chloro (2/4)
Helianthus ciliaris EL428795.1	Mito	Pos (0.474)	None (0.93)	Mito RC2	Not chloro
Pinus taeda DN462837.1	Mito	Pos (0.866)	None (0.93)	Chloro RC5	Possibly chloro (2/4)
Picea glauca EX436035.1	Mito	Pos (0.536)	None (0.97)	None RC4	Not chloro