

Table S6 List of the proteins used for phylogenetic tree NCBI**Accession Number**

Protein	Species	NCBI Accession number	Protein length (aa)
<i>AtTCL1</i>	<i>Arabidopsis thaliana</i>	D3GKW6	84
<i>AtTCL2</i>	<i>Arabidopsis thaliana</i>	B3H4X8	100
<i>AtCPC</i>	<i>Arabidopsis thaliana</i>	O22059	94
<i>AtETC1</i>	<i>Arabidopsis thaliana</i>	Q9LNI5	83
<i>AtETC2</i>	<i>Arabidopsis thaliana</i>	Q84RD1	112
<i>AtETC3</i>	<i>Arabidopsis thaliana</i>	Q9M157	75
<i>AtTRY</i>	<i>Arabidopsis thaliana</i>	ABD57497	106
<i>RsETC1</i>	<i>Rosa sterilis</i>	OL854109	75
<i>RcCPC</i>	<i>Rosa chinensis</i>	XP_024166657	112
<i>RcTRY</i>	<i>Rosa chinensis</i>	XP_024176990	103
<i>RcETC1</i>	<i>Rosa chinensis</i>	XP_024182922	74
<i>FvCPC-like</i>	<i>Fragaria vesca</i>	XP_011463172	74
<i>PpCPC</i>	<i>Prunus persica</i>	XP_007216010	74
<i>MiCPC-like</i>	<i>Macadamia integrifolia</i>	XP_042518191	72
<i>MrCPC</i>	<i>Morella rubra</i>	KAB1226354	73
<i>PtETC1</i>	<i>Populus trichocarpa</i>	XP_006383940	74
<i>NnCPC-like</i>	<i>Nelumbo nucifera</i>	XP_010240919	74
<i>PaCPC-like1</i>	<i>Platanus acerifolia</i>	MG807472	73
<i>PaCPC-like2</i>	<i>Platanus acerifolia</i>	MG807473	74
<i>PaCPC-like3</i>	<i>Platanus acerifolia</i>	MG807474	74
<i>ZmETC3-like</i>	<i>Zea mays</i>	XP_008675346	78
<i>PaETC1</i>	<i>Prunus avium</i>	XP_021821539	76
<i>CsTRY</i>	<i>Cucumis. sativus</i>	XP_031742154	82
<i>GaCPC</i>	<i>Gossypium arboreum</i>	XP_017645889	83
<i>GhETC1</i>	<i>Gossypium hirsutum</i>	XP_016751956	79
<i>HaTRY</i>	<i>Helianthus annuus</i>	KAF5756974	81