

Table S2. Functional summary of TCP proteins in shooting branching development

TCP subclass	Species	Genes	Biological function	References
PCF	<i>Arabidopsis thaliana</i>	<i>AtTCP14,15</i> (AT3G47620, AT1G69690)	Influencing plant stature by promoting cell division in young internodes	Kieffer et al., 2011
CIN	<i>Physcomitrella patens</i>	<i>PpTCP5</i>	Inhibiting sporophyte branching	Ortiz-Ramire et al., 2016
CYC	<i>Chrysanthemum morifolium</i>	<i>CmBRC1</i> (JX870411)	Regulating lateral branching under endogenous and exogenous auxin, CK, and SL stimuli	Chen et al., 2013
	<i>Eschscholzia californica</i>	<i>EsCYL1</i> (DQ347820)	Inhibiting axillary shoot branching	Zhao et al., 2018
	<i>Panicum virgatum</i>	<i>PvTB1</i> (AF322130)	Suppressing tillering	Xu et al., 2016
	<i>Petunia hybrida</i>	<i>PhTCP3</i> (KR002105)	Regulating branching through the involvement of SL pathway	Drummond et al., 2015
	<i>Pisum sativum</i>	<i>PsBRC1</i> (JF274232)	Integrating SL and CK signals to regulate shoot branching	Braun et al., 2012
	<i>Populus canescens</i>	<i>PcBRC1, 2</i>	Suppressing bud outgrowth	Muhr et al., 2018
	<i>Tulipa gesneriana</i>	<i>TgTB1</i>	Suppressing the growth of axillary bud by integrating sucrose, CK, and SL signals	Moreno-Pachon et al., 2018

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