Table S1. Functional summary of TCP proteins in leaf development

TCP subclass	Species	Genes	Biological function	References
PCF	*Arabidopsis thaliana*	*AtTCP7*, *8*,*22*,*23* (AT5G23280, AT1G58100, AT1G72010, AT1G35560)	Regulating cell growth and leaf development by acting on cell-cycle genes	Aguilar-Martínez & Sinha., 2013
		AtTCP14,*15* (AT3G47620, AT1G69690)	Modulating cell proliferation in the developing leaf blade to affect leaf shape	Kieffer et al., 2011
		AtTCP19,*20* (AT5G51910, AT3G27010)	Controlling leaf senescence	Danisman et al., 2013
	Chrysanthemum morifolium	*CmTCP14* (KX906962)	Delaying leaf senescence with increased chlorophyll and caeotenoid content	Zhang et al., 2017
	Osmanthus fragrans	*OfTCP13* (MW298116)	regulating leaf morphology through promoting mesophyll cell number	Zheng et al. 2023
	Phalaenopsis equestris	*PePCF10* (KT258880)	Regulating cell proliferation in the developing leaf	Lin et al., 2016
CIN	*Antirrhinum majus*	*AmCIN* (AY205603)	Limiting excess cell proliferation and maintaining leaf flatness by modulating hormone pathways in cell proliferation and differentiation	Das Gupta et al., 2014
	Arabidopsis thaliana	*AtTCP2*, *3*,*4*,*10*,*24* (AT4G18390, AT1G53230, AT3G15030, AT2G31070, AT1G30210)	Delaying differentiation in the marginal parts of the organ	Fang et al., 2020; Bresso et al., 2018; Koyama et al., 2010
	Phalaenopsis equestris	*PeCIN8* (KT258889)	Affecting leaf morphology associated with altered cell number and size	Lin et al., 2016
	Populus euphratica	*PeTCP29* (CCG026590)	Regulating leaf shape development	Ma et al., 2016

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