

Table S3. Functional summary of TCP proteins in flowering time

TCP subclass	Species	Genes	Biological function	References
PCF	<i>Arabidopsis thaliana</i>	<i>AtTCP8</i> (AT1G58100)	Activating <i>FT</i> expression to induce flowering	Camoirano et al., 2023
		<i>AtTCP7,8,15</i> (AT5G23280, AT1G58100, AT1G69690)	Promoting flowering through directly regulating <i>SOC1</i> expression	Lucero et al., 2017; Li et al., 2021
		<i>AtTCP20,22</i> (AT3G27010, AT1G72010)	Delaying flowering acting on the circadian clock, by regulating the clock gene <i>CCA1</i> expression	Wu et al., 2016
		<i>AtTCP23</i> (AT1G35560)	Promoting flowering by regulating <i>FT</i> and <i>SOC1</i> expression	Viola & Gonzalez., 2023
CIN	<i>Arabidopsis thaliana</i>	<i>AtCINs</i>	miR319-targeted <i>CIN</i> TCPs promote flowering	Li et al., 2019
	<i>Chrysanthemum morifolium</i>	<i>CmTCP14</i> (KX906962)	Prolong flowering period by interacting with <i>CmFTL2</i>	Zhang et al., 2017
CYC	<i>Arabidopsis thaliana</i>	<i>AtBRC1</i> (AT4G21070)	Delaying floral transition in axillary meristems by repressing the expression of the <i>FT</i> downstream genes <i>API</i> , <i>LEY</i> and <i>FUL</i> in axillary buds,	Niwa et al., 2013; Li et al., 2019

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