

**Table S4** The amino acid positions in FTL3 proteins different from other FT subfamily members. The residues responsible for the floral promoting activity of FT are also shown and marked by asterisk \*. Two positions differentiating between the FTI and MFT subfamilies are also shown (\*\*). Ratio numbers are derived from the alignment of 19 FTL, 15 MFT and 19 TFL1 proteins. The site numbers correspond to the *A. thaliana* FT protein.

Site	Amino Acid CrFTL3/ SoFTL3/ BvFTL3	Amino Acid FT other	Ratio	Amino Acid Smo MFT	Amino Acid Amborella MFT/ MFT1	Amino Acid MFT other	Ratio	Amino Acid TFL1	Ratio
7	S/S/S	P/A/H	14/1/1	P	P/P	P	11	P	19
12	Q/E/Q	R/H/S/G	13/1/1/1	R	K/K	R/K	9/2	R/K/G	17/1/1
34**	R/R/R	R/K	15/1	K	K/K	K	12	K/R/T	16/2/1
39	A/A/A	G/S	15/1	G	G/G	G	12	G	19
53	I/I/I	V	16	V	F/V	V/L/F	8/3/1	V	19
56	Q/Q/L	G	16	G	A/S	S/G/A/F/L	7/2/1/1/1	G/Q/H/S/N/L/E/F	6/3/2/2/2/2/1/1
78	G/G/G	S	16	S	S/S	S/H	11/1	S	19
82	E/E/E	L/Q/K	13/2/1	M	M/M	M/W	11/1	L/Q/M/S	16/1/1/1
85*	Y/Y/Y	Y	16	W	W/W	W/Y/L	8/2/2	H/Y	18/1
92	N/N/N	D	16	D	N/D	D/N	9/3	D/N	18/1
97	G/G/G	T/A/S	14/1/1	A	S/S	T/M/A/S/G/L	4/3/2/1/1/1	T	19
109*	E/E/E	E	16	I	I/M	M/V/T	8/2/2	E	19
134*	N/S/S	Y/F/N	14/1/1	L	A/A	V/W/K/P/A/G/E/Q	3/3/1/1/1/1/1/1	R/V/S/N/H/G/A/T/F	4/4/3/2/2/1/1/1/1
137*	G/G/G	G/E/S/Q	13/1/1/1	L	S/E	D/G/Q/A/I/N/P/H/S	2/2/2/1/1/1/1/1/1	S/T/G/I/W/E	11/2/2/1/1/1
138*	W/W/W	W/M/Q	14/1/1	M	T/A	A/S/T/D/E/G	4/3/2/1/1/1	S/T/N/G/F/Y	12/2/2/1/1/1
140*	P/Q/Q	Q/I/P/H	13/1/1/1	N	A/N	A/N/G	7/4/1	D/E	17/2
160	T/S/M	V/S	14/1	V	V/V	V/L/M	10/1/1	V/A	15/3
163	T/T/T	N	16	N	N/N	N/T	11/1	N	19
166**	R/R/R	R	15	K	K/K	K	12	R	19
170	Y/Y/Y	S/C/T	9/5/1	S	N/S	N/S/A/V/K	6/2/1/1/1	A/P	18/1
171	R/R/R	G	15	R	K/R	K/R/H	7/3/1	R	19