

Area targeted	Primer sequence (5' – 3')		Annealing temperature	Extension time
a	F	TGAAGTCTCTGAACATGCACGC	58 °C	1 min
	R	CACCTTTATATATTCTCATATCTGTC		
b	F	AAAGGTGAAATATATATTGTTGG	64 °C	40 s
	R	CTTCCACTAGGCATGGGATA		
c	F	TATAGAAATTTAGAAATTTCTAGCAGCG	60 °C	40 s
	R	TTCAAACATTTTACATCCCCTCC		
d	F	GATTCTTAATTGAGAGGGAAAAGC	60 °C	40 s
	R	AAAGGAGCAGCAAAACGCTA		
e	F	GGAATCGAGGCTATTGACTA	58 °C	1 min
	R	CAAAAAGAGTACTTGGACAA		
f	F	ACCAAGCTAGAATAATTTTTGTGAG	60 °C	40 s
	R	TGAGTGGTGGGGTTTTCTTT		
g	F	ACCCTCTCAAGTGGACATGT	64 °C	40 s
	R	AAACTAGCCCCTGTTGTTGC		
h	F	ACACGCCATGAATGCAACA	64 °C	40s
	R	GCAAGCAAACATTGTGCGTT		
i	F	CCGAATTCTTAAAGTGCATGCA	64 °C	40s
	R	GCCAGAAACACTCATACTACT		
j	F	GGACAGCAGTAGTAGGACCA	64 °C	1 min 35 s
	R	GGGAGATTGCCAATTAATTTTCTGAAA		
k	F	TGATAGTCTATGGGATTGTGC	64 °C	40 s
	R	CCAAGCTTCCAACCGTGAAA		
S1	F	AATATAGTAGTAGTTTCTAGCTT	60 °C	40 s
	R	ACCAAGAATAAACATTGGGT		
S2	F	TATATCATGATGCTGTGGG	64 °C	1 min 35 s
	R	CTAGGTGCATCGGGATCAAC		
S3	F	GCTCTCTCTTCCACTCTCTAGATGG	64 °C	40 s
	R	AAACTAGCCCCTGTTGTTGC		
S4	F	CCAAGTATTTCATTTTCAT	64 °C	1 min 35 s
	R	GCAAGCAAACATTGTGCGTT		

**Additional file 6. Sequences of primers used in methylation analysis of *FT2a*.** Targeted areas are presented in Figure 8.