

**Supplementary data**

**A putative protein kinase Femu9p contributes to the iron deficiency-inducible expression of *FOX1* gene in *Chlamydomonas reinhardtii***

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Supplementary data 1 PCR parameters used to isolate flanking DNA from insertional mutants

Reaction	Step	Thermal Settings	Cycles
Primary	1	95 °C, 2 min	1
	2	94 °C, 1 min; 62 °C, 1 min; 72 °C, 2.5 min	5
	3	94 °C, 1 min; 25 °C, 3 min; ramping to 72 °C over 3 min; 72 °C, 2.5 min	1
	4	94 °C, 30 s; 68 °C, 1 min; 72 °C, 2.5 min; 94 °C, 30 s; 68 °C, 1 min; 72 °C, 2.5 min; 94 °C, 30 s; 44 °C, 1 min; 72 °C, 2.5 min	15
	5	72 °C, 5 min	1
Secondary	1	94 °C, 30 s; 64 °C, 1 min; 72 °C, 2.5 min; 94 °C, 30 s; 64 °C, 1 min; 72 °C, 2.5 min; 94 °C, 30 s; 44 °C, 1 min; 72 °C, 2.5 min	12
	2	72 °C, 5 min	1
Tertiary	1	94 °C, 30 s; 44 °C, 1 min; 72 °C, 2.5 min	20
	2	72 °C, 5 min	1