

Table S1. Primers used in this study.

Unigenes	Sequences (5'-3')	Purpose
PvFAD2-F	ATGGGTGCTGGTGGCAGAATGTC	gene clone
PvFAD2-R	CGCGGTCAAAACTTGTTTTGTACC	gene clone
PvFAD3-F1	GTGGTCAAGGAGTCCAGGCAAAGAAGGT	3' RACE
PvFAD3-F2	ACCCCAAACGAAAGGAGAGCAGTGATGA	3' RACE
PvFAD3-R1	GTGAACCTTCTTTGCCTGGACTCCTTGA	5' RACE
PvFAD3-R2	GCAAGCAAAGGGAGAGGCAGCGTGA	5' RACE
PvFAD3-F	CTGCTCTAGCTCTTCCTCTGTCTCT	Full-length
PvFAD3-R	TGCTACATGACTGTCTGTATCCTGT	Full-length
GFP-FAD2F	acgagctgtacaagcctaggATGGGTGCTGGTGGCAGAAT	Subcellular Localization
GFP-FAD2R	gtcacctgtaattcacagtgATCAAAACTTGTTTTGTACCAG	Subcellular Localization
GFP-FAD3F	acgagctgtacaagcctaggATGCAGACCATGGATATTTCC	Subcellular Localization
GFP-FAD3R	gtcacctgtaattcacagtgTTAAACTAACTTGGTTTTTGCC	Subcellular Localization
Napin- FAD2F	GCTCTAGAATGGGTGCTGGTGGCAGAAT	Pant expression
Napin- FAD2R	AAAAGTGCAGTCAAAACTTGTTTTGTACCAGAAG	Pant expression
Napin- FAD3F	GCTCTAGAATGCAGACCATGGATATTTCC	Pant expression
Napin- FAD3R	AAAAGTGCAGTTAAACTAACTTGGTTTTTGCCAA	Pant expression
P426-PvFAD2F	gattctagaactagtgatccATGGGTGCTGGTGGCAGAAT	Yeast expression
P426-PvFAD2R	cgataagcttgatcgaattcATCAAAACTTGTTTTGTACCAG	Yeast expression
P426-PvFAD3F	gattctagaactagtgatccATGCAGACCATGGATATTTCC	Yeast expression
P426-PvFAD3R	cgataagcttgatcgaattcTTAAACTAACTTGGTTTTTGCC	Yeast expression
P426-F	GGTTGAAACCAGTTCCTGA	Sequence
P426-R	GGTTGAAACCAGTTCCTGA	Sequence
qRT-FAD2F	TGACGATGTGTTGAAGCGAG	qRT-PCR
qRT-FAD2R	GTGGAAGAAACTGGTGGCAA	qRT-PCR
qRT-FAD3F	GACCCTAGCAATCCTCCTCC	qRT-PCR
qRT-FAD3R	GCACAATGAATCGAAGCAAAGA	qRT-PCR
Actin-F	AAGGGATGCGAGGATGGA	qRT-PCR
Actin-R	CAAGGAAATCACCGCTTTGG	qRT-PCR