Primer sequences used for construction. F: forward; R: reverse.

Gene Name	Primer sequences (5'-3')		Note
FaSCL8-BluntSimple-T	F	ATGCAATCAGGGTTCAATTCCGG	Full length primers
	R	ACGCCAAGCTGATGCCAC	
FaSCL8-pSuper1300-GFP	OE-F(+SalI)	CTGCAGGGGCCCGGGGTCGACATGCAATCAGGGTTCAATTCCGG	35S:FaSCL8-GFP
	OE-R(+SpeI)	CATGGTACCGGATCCACTAGTTTAACGCCAAGCTGATGCCAC	
FaSCL8-pk7GWIWG2(Ⅱ)RR	RNAi-F(+attB1)	GGGGACAAGTTTGTACAAAAAAGCAGGCTTCAGGGCTTTTCATGGACTCGA	FaSCL8-RNAi
	RNAi-R(+attB1)	GGGGACCACTTTGTACAAGAAAGCTGGGTCTGGAGAGGAGTGCTGGAAAG	
FaSCL8-pET30a-His	F(+BamHI)	GCTGATATCGGATCCGAATTCATGCAATCAGGGTTCAATTCCGG	35S: FaSCL8-His
	R(+SpeI)	GCGGCCGCAAGCTTGTCGACACGCCAAGCTGATGCCA	
Pro$_{FaVPT1}$-pGreenII000-LUC	F(+BamHI)	TTCCTGCAGCCCGGGGGATCC AATGTAATTTTCTTTTTCTT	35S:FaSCL8-LUC
	R(+SaclI)	GGAATTCGAT CTCCACCGCGG GATGAATATATATACGTGAG	
Pro$_{FaVPT1}$-pAbAi-P1	F(+KpnI)	CTTGAATTCGAGCTCGGTACCAATGTAATTTTCTTTTTCTTCTCCT	Yeast One Hybrid
	R(+XhoI)	TAAGTTCGAACATGCCTCGAGATGTCACTCACGTACATG	
Pro$_{FaVPT1}$-pAbAi-P2	F(+KpnI)	CTTGAA TCGAGCTCGGTACCTATTTGATCTTACGTACCCG	
	R(+XhoI)	TAAGTTCGAACATGCCTCGAGAACTAGAAAGGCTGCTCTT	
Pro$_{FaVPT1}$-pAbAi-P3	F(+KpnI)	CTTGAAT TCGAGCTCGG TACCTCGGTGACTTTGTTTAAC	

	R(+XhoI)	TAAGTTCGAACATGCCTCGAGCATTTTACTCTTAAAAGTTAAAACC	
Pro_{FaVPT1}-pAbAi-P4	F(+KpnI)	CTTGAATTCGAGCTCGGTACCGAAACAATATTGCCTTTCGAGTGA	
	R(+XhoI)	TAAGTTCGAACATGCCTCGAG GGGAGTGTGGGACTGTTG	
Pro_{FaVPT1}-pAbAi-P5	F(+KpnI)	CTTGAATTCGAGCTCGG TACCCTCGTTGGCAATAAAGCC	
	R(+XhoI)	TAAGTTCGAACATGCCTCGAGGAGAGTAATCAGCGGTTACT	
Pro_{FaVPT1}-pAbAi-P6	F(+KpnI)	CTTGAATTCGAGCTCGGTACCCTCTAATTACTATAGATCAG	
	R(+XhoI)	TAAGTTCGAACATGCCTCGAGGATGAATATATATACGTGAG	
FaSCL8-pGADT7	F(+EcoRI)	GCCATGGAGGCCAGTGAATTCATGCAATCAGGGTTCAATTCCGG	
	R(+BamHI)	AGCTCGAGCTCGATGGATCCCACGCCAAGCTGATGCCA	

Primer sequences used for qRT-PCR. F: forward; R: reverse

Gene		Primer sequences (5'-3')
FaActin	F	TGCATATATCAAGCAACTTTACACTGA
	R	ATAGCTGAGATGGATCTTCCTGT
FaSCL8	F	ACGGCGTTTCGGTTATCACT
	R	GCCTCCATCAGTGACTGCTT
FaPL	F	TCAACTCGTCAATGGCAGAC

	R	GAATGCTCGTATCAACCAGAGA
FaPG	F	GCAAGTAGAGTCGCACAGTTTT
	R	TCAGTATTAGGCTTCCCACCA
FaCEL	F	GCTCTGTTTTGCCTGGACTT
	R	GCGTGGCTTAGATAGTTGGAAT
FaXYL1	F	ATGGAAAGCCTACTTGTGCTG
	R	CTGGTGTAATGTTGTTGGTCGT
FaCHS	F	CATACCCCGACTACTACTTTCGT
	R	CGCACATACTGGGATTCTCTT
FaCHI	F	AGCGAAAGCCATTGAAAAGT
	R	CATTTGGTGATTGTGTGAAGAG
FaF3'H	F	CTTTCGTGGTGAATCTTGGAG
	R	TCGCTATGGACAACCTGCT
FaDFR	F	ACCCTGAGAACGAAGTGATAAAG
	R	TAAACACCACCCTCCGAACT
FaUFGT	F	TAGAGGATGTGTGGAAGATTGGT
	R	CTGTTGTGCGAGTTGTTTTAGTG
FaANS	F	CTTGGCTTGGGATTAGAAGAAG
	R	TGAGGGCATTTTGGGTAGTAGT
FaSS	F	TTATCCCTCGCATTCTTATT
	R	CAATTCCCTTCTCGGTTCTA
FaSUT	F	TTCAAGCGACAGAAATACCC
	R	ACCCAATCCAGTTTAGACCAG
FaSPS3	F	CGTAGATTGGAGTTATGGAGAGC

	R	CGAATGATGTAAGAACCACTGC
FaHXK2	F	GCTGTCACCGAGCTTCTAGG
	R	CAGCCCCTATACCAGACCCCA
FaVPT1	F	CAGGACCGACAAGGAAGC
	R	CCTCAACTGGAGTAGGGAAC

EMSA probes (5'-3')

EMSA-P6-1/2-labeled-F	GTCCAGTCACACAGCCACAGTACCTTTTCCATATTTTTCTTCCCCATACAGCCAAGCCCAATCCATGAAA	
EMSA-P6-1/2-unlabeled-F	GTCCAGTCACACAGCCACAGTACCTTTTCCATATTTTTCTTCCCCATACAGCCAAGCCCAATCCATGAAA	
EMSA-P6-1/2-unlabeled-R	TTTCATGGATTGGGCTTGGCTGTATGGGGAAGAAAAATATGGAAAAGGTACTGTGGCTGT GTGACTGGAC	
EMSA-P6-1/2-mutanted-F	GTCCAGTCACACAGCCACAGTACCTGGTCGATATGGTTGTTCCCCATACAGCCAAGCCCAATCCATGAAA	
EMSA-P6-1/2-mutanted-R	TTTCATGGATTGGGCTTGGCTGTATGGGGAACAACCATATCGACCAGGTACTGTGGCTGTGTGACTGGAC	
EMSA-P6-3-labeled-F	GTATCCCCAAACACAATAAAAAGATCCGAATTTTTCTGTGAACCAAATACGACCAGAGGAGTCTCCTGGC	
EMSA-P6-3-unlabeled-F	GTATCCCCAAACACAATAAAAAGATCCGAATTTTTCTGTGAACCAAATACGACCAGAGGAGTCTCCTGGC	
EMSA-P6-3-unlabeled-R	GCCAGGAGACTCCTCTGGTCGTATTTGGTTCACAGAAAAATTCGGATCTTTTTATTGTGT TTGGGGATAC	
EMSA-P6-3-mutanted-F	GTATCCCCAAACACAATAAAAAGATCCGAATGGTTGTGTGAACCAAATACGACCAGAGGAGTCTCCTGGC	
EMSA-P6-3-mutanted-R	GCCAGGAGACTCCTCTGGTCGTATTTGGTTCACACAACCATTCGGATCTTTTTATTGTGTTTGGGGATAC	