

Subcellular localization primers						
Gene	AGI	Name	Primer	Fusion protein	R.S.	Template
PP4-1	At4g26720	AK72F	ATGCGGCCGCTATGTCAGACCTAGATCGGCAAA	EYFP-PP4-1	NotI	PP4-1/Ws Jose Serrano/CNB
		AK73R	ATCCCGGTTATAGGAAGTAATCAGGGG	EYFP-PP4-1	SacII	
		AK74F	ATGAGCTCTCATGTCAGACCTAGATCGGCA	PP4-1-EYFP	SacI	
		AK75R	ATGCGGCCGCTAGGAAGTAATCAGGGGCCG	PP4-1-EYFP	NotI	
PP4-2	At5g55260	AK76F	ATGCGGCCGCTATGTCAGACCTAGACAAGCAA	EYFP-PP4-2	NotI	U83558
		as AK73R	ATCCCGGTCACAGGAAATAATCAGGTG	EYFP-PP4-2	SacII	
		AK77F	ATCCATGGGTATGTCAGACCTAGACAAGCA	PP4-2-EYFP	NcoI	
		as AK75R	ATGCGGCCGCCAGGAAATAATCAGGTGCAG	PP4-2-EYFP	NotI	
PP4-1		AK74F_b2014	ATGAGCTCTCATGTCAGACCTAGATCGGCAAATAG	PP4-1-EYFP	SacI	
		AK75R_b2014	ATGCGGCCGCTAGGAAGTAATCAGGGGCCGGCTT	EYFP-PP4-1 or 2	NotI	
PP4-2		AK77F_b2014	ATCCATGGGTATGTCAGACCTAGACAAGCAAATAGAG	EYFP-PP4-2	NcoI	
PP4R2L	At5g17070	EYFP_PP4R2 (At5g17070.1)F	AAAGCGCCGCTATGGAGAATCCGTCATCATCG	EYFP_PP4R2L	NotI	U24915
		EYFP_PP4R2 (At5g17070.1)R	ATTCCCGCGCTAGGCACACGTTGTAGGCAA	EYFP_PP4R2L	SacII	
		PP4R2_EYFP (At5g17070.1)F	ATCCATGGGTATGGAGAATCCGTCATCATCG	PP4R2L_EYFP	NcoI	
		PP4R2_EYFP(At5g17070.1)R	AAGCGCCCGCGGCACACGTTGTAGGCAACCG	PP4R2L_EYFP	NotI	
PSY2L	At3g06670	EYFP_PSY2L (At3g06670.1)F	AAAGCGCCGCTATGGGCGCTCCGGAAAAGTCT	EYFP_PSY2L	NotI	U21916
		EYFP_PSY2L (At3g06670.1)R	ATTGCGCCGCTCAGGATCCATTTACAGCCAT	EYFP_PSY2L	NotI	
		PSY2L_EYFP(At3g06670.1)F	ATCCATGGGTATGGGCGCTCCGGAAAAGTCT	PSY2L_EYFP	NcoI	
		PSY2L_EYFP (At3g06670.1)R	ATTGCGCCCGGATCCATTTACAGCCAT	PSY2L_EYFP	NotI	
T_DNA genotyping primers						
		PP4-1-(SALK_070977)-LP	TTGTATCCAGCCCGTTATTTG			
		PP4-1-(SALK_070977)-RP	AGAATTCCGTGTGTTTATGTC			
		PP4-1.(GK_651B07)-LP	ACAAAATCAAAGACACGGTTCG			
		PP4-1.(GK-651B07)-RP	TAAAGACACAAAATCTCCGCG			
		PP4-2-(SAIL_569_H09)-LP	TGGAGAGAGACCTCCATGAAC			
		PP4-2-(SAIL_569_H09)-RP	ATAGAGCAGCTTAAACGCTGC			
		PP4-2-(SALK_049725C)LP	TTCATGGAGGTCTCTCTCCAG			
		PP4-2-(SALK_049725C)RP	AACGATGACCTTGCAATTTTG			
		PSY2L_SALK_048064_LP	ATGTTTCGCCTGTTCAATCAC			
		PSY2L_SALK_048064_RP	TGTTGAATTGAGATGGAAGGG			
		PSY2L_SALK_125872_LP	AAGCCTCTGAGGATGAGGAAG			
		PSY2L_SALK_125872_RP	AAATGAATATGGCTTTTGGGG			
		PSY2L_SAIL_1275_F05_LP	AGGCGCATCTGATCTGTAATG			
		PSY2L_SAIL_1275_F05_RP	CTTCAAGAGACTGCAGGGTG			
		PSY2L_SAIL_33_H01_LP	TCTCTTCTCTTCTTTCCGG			
		PSY2L_SAIL_33_H01_RP	AATATCCTCAGGGTTGATGGG			
		PSY2L_SAIL_256_C08_LP	TGTACCGTTTTTGAATCTGTGC			
		PSY2L_SAIL_256_C08_RP	GTGCTCAAGCAGATCCAAGAC			
		PP4R2L_SALK_093041_LP	CAACATATTTGGCATTGTTGGC			
		PP4R2L_SALK_093041_RP	TGTTCAACAGATCCTTTTGGC			
		LB1 for SAIL C/418-451	GCCTTTTCAGAAATGGATAAATAGCCTTGCTTCC			
		LBa1 for SALK/pBIN-pROK2	TGTTACAGTAGTGGCCATCG			
		LBb1.3 for SALK/pBIN-pROK2	ATTTTGCCGATTTTCGGAAC			
		8474_GABI-Kat LB-FSTs	ATAATAACGCTGCGGACATCTACATTTT			

On gel RT-PCR primers					
PP4-1		AK108-F_PP4-1_RT	TTTGGACTACATGAGTCTTTTCAGCTGTTG		
		AK109-R_PP4-1_RT	TTGATGGGCACGGGCTATGTAGTCT		
PP4-2		AK110-F_PP4-2_RT	TTCTAGCTCTCAAAGTTAGATATCCAGAC		
		AK111-R_PP4-2_RT	TAGCTGATGAGCTCGACATATGTAATCA		
PP4R2L		RT_PP4R2L_Front1_LP	GAGATTTCTCCGTCGTTCA		
		RT_PP4R2L_Front1_RP	ATCCGTCATTTTTGCCTCAG		
		RT_PP4R2L_Back2_LP	GCAATGACTGTTGACATGGA		
		RT_PP4R2L_Back2_RP	TAGGCAACCGTGAATCTCCT		
		RT_PP4R2L_Back3_LP	TGGAAACAATCGATGAACCA		
		RT_PP4R2L_Back3_RP	AAACCAGAAATTCACAAAAACA		
	Full CDS	EYFP_PP4R2 (At5g17070.1)F	AAAGCGCCGCTATGGAGAATCCGTCATCATCG		
	Full CDS	EYFP_PP4R2 (At5g17070.1)R	ATTCCGCGGCTAGGCACACGTTGTAGGCAA		
PSY2L		RT_PSY2L_LP	CTCATGGAGAGACCCAGAGC		
		RT_PSY2L_RP	CCATCAGATTCGGGAAGAAA		
Stable amiRNA lines					
amiRNA				amiRNA seurence	Binary vector
1	PP4-1 + PP4-2	1-I miR-s	GATAATGAGAGTTATACGGTCTATCTCTCTTTTGTATTCC	TAATGAGAGTTATACGGTCTA	pBA002
		2-II miR-a	GATAGACCGTATAACTCTCATTATCAAAGAGAATCAATGA		
		3-III miR*s	GATAAACCGTATAACACTCATTTCACAGGTCGTGATATG		
		4-IV miR*a	GAAAATGAGTGTATACGGTTTATCTACATATATATTCC		
2	PP4-1 + PP4-2	5-I miR-s	GATAAAAGACGTAACAACGCTGTCTCTTTTGTATTCC	TTAAAAGACGTAACAACGCTG	pBA002
		6-II miR-a	GACAGCGTTGTTACGCTTTTTAATCAAAGAGAATCAATGA		
		7-III miR*s	GACAACGTTGTTACGACTTTTATTCACAGGTCGTGATATG		
		8-IV miR*a	GAATAAAAGTCGTAACAACGTTGTCTACATATATATTCC		
1	PSY2L	I miR-s	GATAAATAAGTTCAGTTAGGCGTTCTCTCTTTTGTATTCC	TAAATAAGTTCAGTTAGGCGT	pBA002
		II miR-a	GAACGCCTAACTGAACTTATTTATCAAAGAGAATCAATGA		
		III miR*s	GAACACCTAACTGAAGTTATTTTCACAGGTCGTGATATG		
		IV miR*a	GAAAAATAACTTCAGTTAGGTGTTCTACATATATATTCC		
2	PSY2L	I miR-s	GATTACTATGGCATTGTTGCGACTCTCTCTTTTGTATTCC	TTACTATGGCATTGTTGCGAC	pBA002
		II miR-a	GAGTGCGAACAATGCCATAGTAATCAAAGAGAATCAATGA		
		III miR*s	GAGTACGAACAATGCCGATAGTATTCACAGGTCGTGATATG		
		IV miR*a	GAATACTATCGCATTGTTTCGTACTCTACATATATATTCC		
1	PP4R2L	I miR-s	GATATCCGATAATGGTCGTGCAGTCTCTCTTTTGTATTCC	TATCCGATAATGGTCGTGCAG	pBA002
		II miR-a	GACTGCACGACCATTATCGGATATCAAAGAGAATCAATGA		
		III miR*s	GACTACACGACCATTTTCGGATTTTCACAGGTCGTGATATG		
		IV miR*a	GAAATCCGAAAATGGTCGTGTAGTCTACATATATATTCC		
Miscellaneous primers					
		C.Term.EYFPf	ACTACCTGAGCTACCACTCC		
		AK92r/downstream EYFP	CCTTATCTGGGAAGTACTCAC		
		AK93f/upstream EYFP	GCATTCTACTTCTATTGCAGC		
		AK94r/middle EYFP	AACTTCAGGGTCAGCTTGCCGT		
		NOS	GATAATCATCGCAAGACCGGCAACAGGA		
		A/amiRNA specific	CTGCAAGGCGATTAAGTTGGGTAAC		
		B/amiRNA specific	GCGGATAACAATTCACACAGGAAACAG		
TaqMan® Gene Expression Assay					
Gene	AGI	Assay ID	Catalog #		

PSY2L	AT3G06670	At02236429_g1	4351372			
PSY2L	AT3G06670	At02236437_g1	4351372			