Table S3. Primers used in this study.

Primer No.	Primer name	Purpose	Sequence (5' to 3')
OMC 489	Ds5-1	genotyping	CCGTTTACCGTTTTGTATATCCCG
OMC 499	EMS1 pf407	genotyping	AACAAACCCCGTCAGCTTTA
OMC500	EMS1 cr453	genotyping	ACCGGAGAAGTGGTTGTCAC
ZP1040	EMS1 cr63	genotyping	CTCCATGGCAACAATGGCGGAACTCGAAAAAG
ZP565	SALK_051989 LP	genotyping	AAAGACGGTAAGGAGAGCGAG
ZP566	SALK_119542 RP	genotyping	TACCAGATTAAAGCTGACGGG
ZP166	EMS1 pf1863	Promoter cloning	CGAAGAACACGTCGAATCTTCTCC
ZP92	EMS1 pr1	Promoter cloning	GTTCTTTTAGAGAAGGAGGAAGAAAACTCGGAG
ZP863	SERK1 F	promoter cloning	CTGCCGCGGTTACGAGACTTCAAATGGC
ZP864	SERK1 R	promoter cloning	CGTGTCGACTTCAAACAACAATGCTAAATTTCG
ZP865	SERK2 F	promoter cloning	CTGCCGCGGCAAGAGGCGTGTATGGTTATGG
ZP866	SERK2 R	promoter cloning	CGTGTCGACTTACCAAAAAAAAGCAAATTTCTCC
ZP97	EMS1 cr3576	cDNA cloning	TATCTCCTTAAGAGCCTTCAACACATCAAGC
ZP915	EMS1 cf1	cDNA cloning	CACCGTCGACATGGCGTTTCTTACCG
ZP916	SERK1 cDNA F	cDNA cloning	CACCGTCGACATGGAGTCGAGTTATGTGGTGT
ZP917	SERK1 cDNA R	cDNA cloning	CCTTGGACCAGATAACTCAACG
ZP918	SERK2 cDNA F	cDNA cloning	CACCATGGGGAGAAAAAAGTTTGAAGC
ZP919	SERK2 cDNA R	cDNA cloning	TCTTGGACCAGACAACTCCATAG
ZP1108	SERK1-nEYFP F	BiFC	CACCCCATGGTCGAGTCGAGTTATGTGGTG
ZP1109	SERK1-nEYFP R	BiFC	ACCGTCGACTCCTTGGACCAGATAACTCAAC
ZP1258	SERK3-nEYFP F	BiFC	CACCCTCGAGCATGGAACGAAGATTA
ZP1259	SERK3-nEYFP R	BiFC	GCGGTACCGTCTTGGACCCGAGGGG
ZP802	EMS1-cEYFP F	BiFC	GATCTCGAGCATGGCGTTTCTTACCGCATTGTT
ZP804	EMS1-cEYFP R	BiFC	GCGGTACCGTATCTCCTTAAGAGCCTTCAAC
ZP803	EMS1 cf64	BiFC	GATCTCGAGCTGATCTTAGCTCGGAAACAAC
ZP1041	EMS1 cr2748	BiFC	CAGGTACCATGATCTGTAGCCTCGACAATATC
ZP2113	SERK1 SPf	BiFC	TAGCTGTTTGCCAACCGGTCAAC
ZP2114	SERK1 SPr	BiFC	GCCCATGGCATTAGCAGAAGCAAG
ZP2115	SERK1 cf82	BiFC	CAGTCGACTTGGAAGGTGATGCTTT
ZP2116	SERK1 cr900	BiFC	GCGGTACCTTAATCACTCGCCAC
ZP2117	SERK1 cf526	BiFC	CAGTCGACGGCTCCTTCTCACTC
ZP2118	SERK1 cr1767	BiFC	GCGGTACCTTACCTTGGACCAGA
ZP2119	EMS1 cf 2386	BiFC	GACTCGAGCTGATCCTTCCAAGGCATTG
ZP2120	EMS1 cr 3579	BiFC	CGGGTACCTCATATCTCCTTAAGAGCCT
ZP2424	EMS1sp-CFP	FRET	GCCCTTGCTCACAACAATGGCGGAACT
ZP2425	EMS1sp-CFP	FRET	TCCGCCATTGTTGTGAGCAAGGGCGAG
ZP2426	EMS1sp-CFP-EMS1	FRET	GATCTCGAGTCTTGTACAGCTCGTCCAT
ZP2012	SERK-YFP	FRET	AGCCATGGTCATGGAGTCGAGTTATG
ZP2013	SERK-YFP	FRET	GCGGTACCGCCTTGGACCAGATAACT

ZP1996	T854A F	Overlapping PCR	AGATGGGCTATGGCAAAGAGAGTGAAG
ZP1997	T854A R		CTTCACTCTCTTTGCCATAGCCCATCT
ZP1998	S869A F	Overlapping PCR	CGAATGGAGGAAGCCAGATTGAAAGGG
ZP1999	S869A R		CCCTTTCAATCTGGCTTCCTCCATTCG
ZP2105	S883A F	Overlapping PCR	CTGTATTTCTTAGCTGGAAGCAGATCA
ZP2106	S883A R		TGATCTGCTTCCAGCTAAGAAATACAG
ZP2000	S892A F	Overlapping PCR	AGGGAGCCTTTAGCCATCAATATAGCA
ZP2001	S892A F		TGCTATATTGATGGCTAAAGGCTCCCT
ZP2004	T941A F	Overlapping PCR	CCAGGTGAGAAAGCAGTAGCGGTGAAG
ZP2005	T941A R		CTTCACCGCTACTGCTTTCTCACCTGG
ZP2002	S918A F	Overlapping PCR	ACAGATCATTTCGCTAAGAAGAACATT
ZP2003	S918A R		AATGTTCTTCTTAGCGAAATGATCTGT
ZP2109	T930A F	Overlapping PCR	GGTGGTTTTGGGGCGGTTTACAAAGCT
ZP2110	T930A R		AGCTTTGTAAACCGCCCCAAAACCACC
ZP2004	T941A F	Overlapping PCR	CCAGGTGAGAAAGCAGTAGCGGTGAAG
ZP2005	T941A R		CTTCACCGCTACTGCTTTCTCACCTGG
ZP 807	S1069A F	Overlapping PCR	GCTAGCAAGACTAATTGCTGCCTGTGAATCCC
ZP 808	S1069A R		GGGATTCACAGGCAGCAATTAGTCTTGCTAGC
ZP 809	S1073A F	Overlapping PCR	GTGCCTGTGAAGCCCATGTTAGTACAGTC
ZP 810	S1073A R		GACTGTACTAACATGGGCTTCACAGGCAC
ZP 811	S1076A F	Overlapping PCR	GTGAATCCCATGTTGCTACAGTCATAGCAG GG
ZP 812	S1076A R		CCCTGCTATGACTGTAGCAACATGGGATTCAC
ZP 813	T1077A F	Overlapping PCR	GAATCCCATGTTAGTGCCGTCATAGCAGGGAC
ZP 814	T1077A R		GTCCCTGCTATGACGGCACTAACATGGGATTC
ZP2111	S1160A F	Overlapping PCR	GCTTTGAAGAACGCTCAGCTTCGTCTG
ZP2112	S1160A R		CAGACGAAGCTGAGCGTTCTTCAAAGC
ZP819	EMS1 CD F	kinase domian	CACCGGATCCCGCAGATGGGCTAT
ZP818	EMS1 CD R	kinase domain	CGCTCGAGGTACCGGCTCATATCTCC
ZP1919	SERK1 CD F	kinase domain	TCCCATATGATTTTCTTCGATGT
ZP1920	SERK1 CD R	kinase domain	ATAAAGCTTTTACCTTGGACCAG
ZP1921	SERK2 CD F	kinase domain	AATCATATGGACCCTGAGGTTCA
ZP1922	SERK2 CD R	kinase domain	CCGAAGCTTTTATCTTGGACCAG
ZP1960	K330E F	Overlapping PCR	TGTTGCTGTCGAGAGACTGAAGG
ZP1961	K330E R		CCTTCAGTCTCTCGACAGCAACA