Table S1. Sequences of primers for real-time qRT-PCR

Gene	Strand	Sequences
β-Actin	Forward Reverse	TCACAGAAGCTCCTCCTAATCC GGGAAAGAACAGCCTGAATG
Chl I	Forward Reverse	AGCTCCAGAACCAAATCGAC TCTTGCTGCCCTGTTAGTGA
GUN1	Forward Reverse	TTCGCTGCTTGCTGTTTGTAG AAAAGCAACATCTACCTGCCC
STN7	Forward Reverse	GGGAGCTATTAGCATCTATGG TTGTGTAGCCCGGAAGAATTG
PC1	Forward Reverse	TTCAAGAACAATGCCGGGTTC GCGCACAGTAGAAAGTGTAAG
POR1	Forward Reverse	TGTCCAATGGAGCAGTAAGG CCAGGCCTAATCCTGAAGAG
SIG2	Forward Reverse	AGTTGGAAAGACTTGAGCAG CCATAGTTCAGACGCTTCCTT
SIG6	Forward Reverse	TGTTCTGAGTCCAAAGGAGAG TTTAGCCTGTATAGTGCACGG
NRIP1	Forward Reverse	AAAAATCTCCCAGACCCCAC CTTGGATAACCTGTGGTTGG
WHY1	Forward Reverse	GAGAGGGTTTTGTGCTGCTTC CAACCCTCAACACCTTCCTGAC
PRIN2	Forward Reverse	CTTGCATGCCGAGTATGGTG CATTGTCTACGTGAGTTTGAGCCC
ABI4	Forward Reverse	TTCACAGCAGTTGGTTCAGC TCAAGTTTTGGCGGCTTCTG
ZAT10	Forward Reverse	ACACAAAGCTAGTCACCGGAAG TTACTGTTACCGCCGTCGTAG
EX1	Forward Reverse	TGATGGCGAAGAATGGGGTTG GCAATGCCCACCTTGAGTTTAG
EX2	Forward Reverse	TCAGGTTGGGATTGGAACCG TTCAGCAACAGAGTCCTTCGC
SAL1	Forward Reverse	CTTGCTGCTGCTAAGAAAGCTG GTCCTCCTCAGCCACTAATG
GLK1	Forward Reverse	AGAGATGAATCCGTGGCCTG GTGAAGGATGAAGATGAGGAGG
GLK2	Forward Reverse	TATAGCGGAGCCACCACAATC AGGTGCTGCAAATCTCGCTG
FC2	Forward Reverse	CTCTCGGCTTCTTCAACCAATG GACGATCCACCAAATACACTGC
CA!	Forward Reverse	GCAGGAAGCTGTGAATGTATC GAGAAAGACCGAAGTTGAGTC
RRTF	Forward Reverse	CCTCTGTTTCGCGTTCCAAAAG ATTTTCCCCACGGTCTCTGTC
NPR1	Forward Reverse	GCTGTAGCATATTGCGATGC GCAACATGCAGCACTGTGTA
GFP	Forward Reverse	ACTACCTGTTCCATGGCCAA AAGCTCGATCCTGTTGACGA
PR-1	Forward Reverse	TTGAGATGTGGGTCGATGAG CCTAGCACATCCAACACGAA
PR-2	Forward Reverse	ACTGAGGCACAAGGAGCATA CACGAATAGATGCACCACGG
PR-3	Forward Reverse	AGGAACGACGGTAGATGTCC TCCTACGGGCAGTATCATCA

PR-4	Forward Reverse	ATGGCTGGACTGCTTTCTGT CTCACTGTTGCTTGAGTTCCTG
PR-5	Forward Reverse	GTCGTAATCTCAGATGCACAGC AGTAGGCCCACATGATCCAG
TGA2	Forward Reverse	ACAAGCAGAAGCCCATTTGG TGGCCTTGAACTCCAATTGG
ACS5	Forward Reverse	CATCCACCTCGTATGTGACG CCGACTCTGAATCCAGGAAA
Rbc S	Forward Reverse	AGGTGTGGCCACCAATTAAC GTCTCGAATTCCAAGCAAGG
CAB3	Forward Reverse	ATTGGGTCTTGCTGAAGATCC TTCCGGGAACAAAGTTTGTGG
CAB13	Forward Reverse	GCAATGCTTGGAGCACTAGG CTGAGCATGCACAAGGTTAGG
CAB21	Forward Reverse	GTCCATTCTCCGGTGAGTCC CACATCCAAGAGCACCAAGC
CAB36	Forward Reverse	CATTCGCTAGGAACCGTGAG TATCTGAGATCCGGCCTTGA
PsaF	Forward Reverse	CCATGCAAGGAGTCTAAGCA GCAATCCATCTGATCCACAC
PsaK	Forward Reverse	ATGAGGCGTAAAGGACAAGG GCCTTCCTATTTGCTGATGG
PsaN	Forward Reverse	TTGGTGCATCTGAACTCACC GCTTGGTTCTTGTTGGCTTC
AtNPR1	Forward Reverse	GAATCCGTCTTTGACTCGCC GCGGTGTTGTTGGAGTCTTTC
AtABI4	Forward Reverse	AGATCCGAGAGCCACGTAAG AGGGAGGAGAGGTCTTAGGG
AtEX1	Forward Reverse	GATGATGATTGGGATTGGGG AATTGCCACCTTTAGCCTCG
AtEx2	Forward Reverse	GTTGGAACCGTCACTTCTCC TCAGCGACAGCATCATCAAC
AtSAL1	Forward Reverse	CCGCGAAAAGATTTGGGACC GCTATGGAGTCACGAACTGC
AtWHY	Forward Reverse	GCTGAAGGATTGCCTGCTAG TGTCGTACACCAGCAGAAGG
AtGLK1	Forward Reverse	TTGGATTTGGTGGTGCTCGTC AGCTCTGTCATAACACCGTC
AtGLK2	Forward Reverse	GCCGTCTCGAATCTTGGAAA ATGTCTCCGGAGATTCCAGC
AtPRIN2	Forward Reverse	TCTTGCGCAGTGAGTATGGA GACACATCTGCTACCCCACT
AtZAT10	Forward Reverse	TCACACGTTTGCACCATCTG TTCGTCGTCTCCGTTGACCAT
AtPsbA	Forward Reverse	TATGGGTCGTGAGTGGGAAC GAATGTTGTGCTCAGCCTGG
AtPsbB	Forward Reverse	GATCCCGGTCGTTTACTTGC ATATTCCAACCGCCCCAAGA
AtPsbJ	Forward Reverse	CTGATACTACTGGAAGGATTCC CTACAGGGATGAACCTAATCG
AtPsbN	Forward Reverse	GAAACAGCAACCCTAGTCGC CTAGTCCCCGTGTTCCTCG
AtRbcL	Forward Reverse	AGGGAGTCAACTTTGGGCTT AGGGTGGCCTAAAGTTCCTC
AtRbcS	Forward Reverse	TTCGCAACACTAAGCCTACG TCTCCCATACCTTCTGCGAG