

RS31.1

RS31 alt. 3'ss intron 2

SR34A.1

*SR34A* slightly shorter cassette exon inclusion intron 1 than annotated .3

SR34A alt. 3'ss intron 1

TCCGAGTATTGTTGGCTTCAGACCAAAATCTTCTCCGGCGCTGTAGCGTTTCCCCCGATGGCAAGAGCTTGGAACATGAG  
CATTGCAATGGTTCATAGGGATATAGAGAGGGATTGGGGAGATCAATGTGGATATTGTTTTTATTATTAATGGAGATTTC  
ATGGGAACGATCTGGAGAAATATATATATTTCAATATTTTAAATAGCTTTTGGAGCATATTGGAGCAAATAAGCATTTG  
GAGCTTGTTGGAGCACTGCTCTGACCCAGGATTGCTCTCACTTGGTTTGCTTCATATATATTTTGGTCTTACCATGTTTT  
CTTTTTCTTTTCTTATCATCGTCTCATTTTGATGCTGGGGCTATGTCGAAAGCTGTTTGAGTGGAGGTTCTTTGTCTAT  
AGCAGTAAATTTTGATCCTTTATTTATTTTCGTTTCCTTTTTATTCTCATGTGCAGTTTCCCCCTTTTAACTTTGCAA  
CAATGAGTGGGCGATTTTCTCGGTCAATCTATGTTGGTAACTTGCCCGGTGACATTAGGGAACATGAGATTGAAGATAT  
CTTTTACAAGTATGGCCGATTGTCGATATTGAATTGAAGTTCCACCTCGGCCTCCATGTTATTGCTTTGTTGAGTTT  
GAGCAATTCTCGG

*U2AF65B* 2 cassette exons included intron 4

GCGCCTCCTGATATGTTAGCTGCTACTGCTGTTGCTGCAGCAGTTTGGAAAGATCATAGTCAATTACACGGTGTGACTT  
TGTAAGAAGGCTATGTTGGGTTAGTTGCCCACTGTGCTGACAATGAGCCGACCTCTCTAGCTTTAATTGTACAAGGAG  
GAATCAGTGCAACGGTTGTCATGGGCCAGGTTCCCTAGTGTGCCAACTACTGCTACTATTCCAGGGATGTTCTCAAAC

*U2AF65B* retained intron 4

GCGCCTCCTGATATGTTAGCTGCTACTGCTGTTGCTGCAGCAGGTATTTGCTTCATCATCTACTCAGGGTTATTATATT  
TCTTAACCTGCTTGTGTTTTTTGATTTTACGTAGTTTGGAAAGATCATAGTCAATTACACGGTGTGACTTTGGTAAGCTG  
CAATTTTATTGTTTACTCGTGAACAAAGAGGACTTTGAAGTCTTGCTTTCTTCATAGGATGTCTTGTTATTTTGTGTTG  
ACTGGTGGTTCTGGAAC TGAGAAATTTTTTGTGTTGTGTTTTTTTGGTGGTGGTTTGTGTTTCTGTGCTTGTCTTTTT  
GTAGTAAGAAGGCTATGTTGGGTTAGTTGCCCACTGTGCTGACAATGAGCCGACCTCTCTAGCTTTAATTGTACAAGG  
AGGAATCAGTGCAACGGTTGTCATGGGTATTTTTCATCTTCGACTGGCAACTATATGCCTGTTTTCGAGCCTTACAATC  
TCTGACAAC TAAACGAATATTACATCACAAC TTTTCATTTTAATATTCAATAGTTGTTGGTATAC TTTCTACTTGTGG  
GTTTTGTAAGTAGCAAGGTGTTATCTGTAGCTTTGTACTTGTGGTAGGTCTGCTCCTCCGGGAAACATAATAATGTAT  
CTAACAAACATTTTTATGACGCATACTACTTTACCTAGCAGGCCAGGTTCCCTAGTGTGCCAACTACTGCTACTATTCCA  
GGGATGTTCTCAAAC

*GRP8.1*

TGAAGTTGAGTACCGGTGCTTTGTGCGCGGCCCTTGCTGGGCCACCAATGATGAAGATCTTCAAAGGACGTTCTCACAG  
TTGCGGCGACGTTATCGATTCTAAGATCATTAACGACCGCGAGAGTGGAAGATCAAGGGGATTCGGATTCTGTCACCTTCA  
AGGACGAGAAAGCCATGAGGGATGCGATTGAAGA

*GRP8* retained intron 1

TGAAGTTGAGTACCGGTGCTTTGTGCGCGGCCCTTGCTGGGCCACCAATGATGAAGATCTTCAAAGGACGTTCTCACAG  
TTGCGGCGACGTTATCGATTCTAAGGTCTGTTACACGAGAGATCGGTCTCCCGGATCGAGCCGATTCCGATGATTCTGAT  
CCTCGACGGATCTGATTCCGATCTGTTTCTCTGTTACTTGGATTGATTACTGTTACTATGTTCTCTCTCGTTCTTTGTT  
ACTGTTACTTAAATTTGTCCCATCGGTACGTTTCATCTTCTGCTTCTATGAGCTCGGAGATCGATCGATTTTGTCTTAT  
ATTCATCGCTTTGTTTTATATTCCTTCCACGATTGTTTTTGTCTGATGTGTATGATTTTGTGTTTACAGATCATTAAC  
GACCGCGAGAGTGGAAGATCAAGGGGATTTCGGATTCTGTCACCTTCAAGGACGAGAAAGCCATGAGGGATGCGATTGAAG  
A

*AT1G60200.1*

ATGCCTCAGTATCAACCGCAGCCTGGTATGAGACCTTTCCAGCCTATGGCTAATGGTTATCCCGGAATTCATGGTGTG  
CTCCTCCTGGTGCCATGCCTCCTCATGCGCTTCTCCGGTATCCTTCTCCATATCCAACAATGGTTCTGCTCTGGATTTCAT  
TATGCGGCCCGCCTGGTACAATCGGTGCTGTTCAACTAGCACCACGACC

*AT1G60200* alt. 3'ss intron 1

ATGCCTCAGTATCAACCGCAGCCTGGTATGAGACCTTTCCAGCCTATGGCTAATGGTTATCCCGGAATTCATGGTGTG  
CTCCTCCTGGTGCCATGCCTCCTCATGCGTCTTGATTGAGTTCCCTGAGAATGGTTGCAAGGCATCAAATTTTGGGTAG  
GGACTCACTTCTACGACTCCCTCATTTTGGTATGCGCAAATTCGCTTTTTTGTCTTCTTATTCTCTTAATTTATTTAGT  
TAGTGTAACACATCTTTAACCACAAACCGCTTACCTAAAGGTTCTTGAAAGATTTGCCCAATTTATATGTTAAGTTGAGA  
ATTACTGTAGTTTTAAGAACAAAAC TTTGAAC TTGATGGGTAAATCAACTGCCAGCAGCAAGCATTTGTAGCGACTGAG  
TGCTCCTTGGTCTTGATTTTGAGGTATTGCAATTCTTTCAAATTACACCTCCGTTACATCTTCGACATGTTTCTTTTT  
TCTATTCCCTTCTGTGGTCAAGCTGCTAATGGTTGAAATAAAGCTATTATGATGGGTAATAATAGTTTTTATAAGTTCT  
ATATGGGCATGAAATGATGGGAGTTTCAATATTACTGAATCTCAAATTCAACAGATGATTATAGATTCTTACCATTATTC  
AAGTTGCCCTGTGAGGTATGACTACTTAATGTGGTAATAATGACTACGATCCTGGTGCTATCTTCTCAATGTGTCTTCTC  
AGGATCTCTGTTTCAGCTGGGTGGTATTTGTACTGCCTCTGGTGTGCATATCTAATTTGCTCTAGTTTGTGGTAACAATA  
CAAATGATTTTTTATTACTGCTTCTTGATACTCTTGATTTATGCCAATGCAGTTGTTTCAGGGTATTTCCAATGTAACA  
TCTACTGATGAATTTGTAGAGACTTGTTTTTGTGTTATGCAGGGCTTCTCCGGTATCCTTCTCCATATCCAACAATGGTT  
CGTCTGGATTTCATTATGCGGCCCGCCTGGTACAATCGGTGCTGTTCAACTAGCACCACGACC

*AT1G60200* 2 cassette exons included intron 1

ATGCCTCAGTATCAACCGCAGCCTGGTATGAGACCTTTCCAGCCTATGGCTAATGGTTATCCCGGAATTCATGGTGTG  
CTCCTCCTGGTGCCATGCCTCCTCATGCGTCTTGATTGAGTTCCCTGAGAATGGTTGCAAGGCATCAAATTTTGGGTAG  
GGACTCACTTCTACGACTCCCTCATTTTGCAGCAAGCATTTGTAGCGACTGAGTGTCTTGGTCTTGATTTTGAGAGA  
CTTGTTTTTGTGTTATGCAGGGCTTCTCCGGTATCCTTCTCCATATCCAACAATGGTTCTGCTCTGGATTTCATTATGCGGC  
CGCCTGGTACAATCGGTGCTGTTCAACTAGCACCACGACC

*AT1G60200* 3 cassette exons included intron 1

ATGCCTCAGTATCAACCGCAGCCTGGTATGAGACCTTTCCAGCCTATGGCTAATGGTTATCCCGGAATTCATGGTGTG  
CTCCTCCTGGTGCCATGCCCTCCTCATGCGTCTTGATTGAGTTCCCTGAGAATGGTTGCAAGGCATCAAATTTTGGGTAG  
GGACTCACTTCTACGACTCCCTCATTTTGAGCAAGCATTTGTAGCGACTGAGTGCTCCTTGGTCTTGATTTTGAGGAT  
CTCTGTTTCAGCTGGGTGGTATTTGTAAGTGCCTCTGGTGTGCATATCTAATTTGCTCTAGTTTGTGGGCTTCTCCGGTAT  
CCTTCTCCATATCCAACAATGGTTCGTCTGGATTCAATATGCGGCCGCTGGTACAATCGGTGCTGTTCAACTAGCAC  
CACGACC

*PPD2.1*

CGGTGGTTGGGCAAATGACGATATTTTATAGTGGCAAAGTGAATGTATATGATGGAGTACCACCTGAAAAGGCCCGGTC  
TATCATGCATTTTGCAGCCAATCCAATTGATTTGCCTGAAAATGGTATTTTGTCTTAGTAGAATGATTTGAAACCC  
ATGAGTAAAGAGAAGATGGTGGAGCTTCCCAATATGGACTTGAAAAGGCACCTGCTTCTCGTGATTCTGATGTTGAGG  
GTCAGGCGAACAGAAAAGT

*PPD2* retained intron 3

CGGTGGTTGGGCAAATGACGATATTTTATAGTGGCAAAGTGAATGTATATGATGGAGTACCACCTGAAAAGGCCCGGTC  
TATCATGCATTTTGCAGCCAATCCAATTGATTTGCCTGAAAATGGTATTTTGTCTTAGTAGAATGATTTGAAACCC  
ATGAGTAAAGGTAAGCATTTGCTAAAGTGCTGATCTGCTTTTCAGTTGAAAGATTGATGATTCAGACTTGAAATGAGT  
TTTTTTTTTAATGTATAATCTAACTTGAAAAAATGACTAGAGCTGCTGCATCTCAAGATGAGTCTTTCTTTCTTTCTTA  
TGTCAAACACGGCCTTTTCAATTTGTCCAATTTTGAAAGGAGGCATTGTTAAATTACCAAAGAAGCATGTCTAAATGCTG  
TAATTGCTGCTACCTCTACTAGCTTATGTGTCTACAGATGCCTCGTGCCCTTTTTTTGAAATTTGTGATTTGATTTTTT  
CAGAGAAGATGGTGGAGCTTCCCAATATGGACTTGAAAAGGCACCTGCTTCTCGTGATTCTGATGTTGAGGGTCAGGC  
GAACAGAAAAGT

*SUF4.1*

ACACTAGCGGTCTCTCAATTTGGTCCACCTCCTGTAATTGCAAACAAAGCTCCTAGCAATCAGCCTAATGAGGTCTATCT  
TGTATGGGATGATGAAGCGATGTCTATGGAGGAAAGAAGAATGTCCTTACCAAATACAAAGTGCACGATGAAACCAGC  
CAGATGAACTCGATAAATGCAGCGATAGACAGACGA

*SUF4* retained intron 6

ACACTAGCGGTCTCTCAATTTGGTCCACCTCCTGTAATTGCAAACAAAGCTCCTAGCAATCAGCCTAATGAGGTCTATCT  
TGTATGGGATGATGAAGCGATGTCTATGGAGGAAAGAAGAATGTCCTTACCAAATACAAAGTGCACGATGAAACCAGC  
CAGGTAAGTTCTGATTTACCTTTTTTAAAGTTAAGAAGAGTTTGCTTTTGCAAGTCTAACCATTTCGGTAGGCTTTATT  
TATACATTTCTGTTCCAGATCCTATTGTTTCTGTGCTAAGAGGTACCACCGTATTATTTCAGTTTATAATTTCTTCCCTT  
AGAATATGATAAGAAGGACTTAGGCAAGAACTTGAGCATTTTGAATCAATGTTGAAAGGTATCATTTGTAGCTTGCA  
ATAGTAGGTAGTGAGAAACATAGCGTTTGTATCTGTTTGTCTTTTCAATTATTTTCTGTCTATTGTATTGTATTAATAA  
TGTGGTGATTGGTTCCACAAGATCATCTCTACAGGTTTGGTTTCAAACCCAGGTCAGCTCTTTTTATATTCTTAACCTC  
TGCAAAGTTTGGTACCTTTGCACAATCTCACTGCCTTGGGGAACCAAAACAATACGCACCTTAACCTCTTTCAAAATAAAG  
CATCCAACCTCTTAACCTCAACACCAAGTTTGTCTTTTGGTTTGCAGATGAACTCGATAAATGCAGCGATAGACAGAC  
GA

*AT1G70000.1*

TCAAACCTCTGATCCCAACCCAACCGATGACGGTGGTTACGCTTCAGACGACGTCGTTTACGCCTCCGGTAGAAACCGT  
GAACGCAAACGAGGAACCTCCATGGACAGAGGAAGAACATAG

*AT1G70000* retained intron 1

TCAAACCTCTGATCCCAACCCAACCGATGACGGTGGTTACGCTTCAGACGACGTCGTTTACGCCTCCGGTAGAAACCGT  
GAACGCAAACGAGGTTAATAAAATAACCTTTCTTCTCTCTTTCCCAATCTCATCTCTGTTTTTGTCTTTTGTATTTTGA  
AACTTTCTTGCAAATTTGGAATTTAGGAACTCCATGGACAGAGGAAGAACATAG

#### *PHOT2.1*

CCTTCCTACTCTCTACGCTTCTTTTCAGACCTCTACGCACGTCTGTTTGATTACAGACTTCTGCCCAGGTGGAGAGTTG  
TTTGCACTACTTGACAGACAACCTATGAAAATATTGACAGAAGACTCTGCAAGGTTCTATGCAGCAGAGGTTGTTATCG  
GCTTAGAATATCTTCACTGCTTAGGAATTGTATATCGAGACCTGAAGCCTGAGAATATACTGCTCAAGAAGGATGGACA  
CATAGTATTGGCTGACTTTGATTTATCATTCATGACGACCTGCACACCCCAGCTTATTATCCAGCTGCACCTAGCAAA  
CGAAGGAGATCCAAAAGTCAACCACTACCCACATTTGTTGCAGAACCAAGTACCCAGTCAAACTCGTTTCGTAGGAACTG  
AAGAATACATTGCGCCTGAGATAATCACGGGTGCTGGTCATACAA

#### *PHOT2.4*

CCTTCCTACTCTCTACGCTTCTTTTCAGACCTCTACGCACGTCTGTTTGATTACAGACTTCTGCCCAGGTGGAGAGTTG  
TTTGCACTACTTGACAGACAACCTATGAAAATATTGACAGAAGACTCTGCAAGGTTCCCTCTTTTCCTCAATCTAAACG  
TATAATGTGTAACAGAAGATCTCCTGGTGATGTTTAACTAAATAGGGGCACTATGTTAGCAAGAAAACATATCACCTT  
CTAGCAAGCATTCAAGTTAGCGGTTACTCGGATAACTGATGAAGGCAATAAATCCATTGTCTATTATATATCTGCAGTT  
ATGAGTTAATCTGATCAATCTCTGTCATCAGGTTCTATGCAGCAGAGGTTGTTATCGGCTTAGAATATCTTCACTGCTT  
AGGAATTGTATATCGAGACCTGAAGCCTGAGAATATACTGCTCAAGAAGGATGGACACATAGTATTGGCTGACTTTGAT  
TTATCATTCATGACGACCTGCACACCCCAGCTTATTATCCAGCTGCACCTAGCAAACGAAGGAGATCCAAAAGTCAAC  
CACTACCCACATTTGTTGCAGAACCAAGTACCCAGTCAAACTCGTTTCGTAGGAACCTGAAGAATACATTGCGCCTGTATA  
GTGATGCATTTAAACGTTTTATCTCTTGCAATCTTCAATTACAGCTGCATCTCATTGTGTTTCAGTTTATTCATGGTTTA  
CTTAATTATTTTCAGGAGATAATCACGGGTGCTGGTCATACAA

#### *PHOT2 retained intron 19*

CCTTCCTACTCTCTACGCTTCTTTTCAGACCTCTACGCACGTCTGTTTGATTACAGACTTCTGCCCAGGTGGAGAGTTG  
TTTGCACTACTTGACAGACAACCTATGAAAATATTGACAGAAGACTCTGCAAGGTTCTATGCAGCAGAGGTTGTTATCG  
GCTTAGAATATCTTCACTGCTTAGGAATTGTATATCGAGACCTGAAGCCTGAGAATATACTGCTCAAGAAGGATGGACA  
CATAGTATTGGCTGACTTTGATTTATCATTCATGACGACCTGCACACCCCAGCTTATTATCCAGCTGCACCTAGCAAA  
CGAAGGAGATCCAAAAGTCAACCACTACCCACATTTGTTGCAGAACCAAGTACCCAGTCAAACTCGTTTCGTAGGAACTG  
AAGAATACATTGCGCCTGTATAGTGATGCATTTAAACGTTTTATCTCTTGCAATCTTCAATTACAGCTGCATCTCATTGT  
GTTTCAGTTTATTCATGGTTTACTTAATTATTTTCAGGAGATAATCACGGGTGCTGGTCATACAA

#### *LHY.1*

TCCCGGTGAGATGATAAGTCAGATTGCATACTTGCTCTCCTCCATGGCTACTCTCAAGGGTTTTGGCTGCGGTGGATTCTG  
TTTGGTTTTCTCTAGAATCTAAAGAGGTTATCACACGGCTTT

#### *LHY.2*

TCCCGGTGAGATGATAAGTCAGATTGCATACTTGCTCTCCTCCATGGCTACTCTCAAGGGTATAACAGTTTACATTATGA  
GCAGTTTCTAGGATTCCTATAACATACTAAGATCTCTGTTTGGCTGCTGAGAACTTATAGAAGCGATTAACTAAATCT  
TATTAGCTCTAAAAGTTAGCATAAATGATACGAATCTGGTGATTGATTACTGATATGAAGATTTGTGAAGGTTTTGGCT  
GCGGTGGATTCTGTTTGGTTTTCTCTAGAATCTAAAGAGGTTATCACACGGCTTT

#### *PIF3.1*

CTGTTCTCTGCATTTGGATTGATGCCACTTTAATACTTTGAGGATCAAGACTTCGTAAAAGATTGTTTCTGTAAAACGC  
AACACCATGCCTCTGTTTGAGCTTTTCAGGCTCACCAAAGCTAAGCTTGAATCTGCTCAAGACAGGAACCTTCTCCAC  
CTGTAGATGAAGTTGTGGAGCTGG

#### *PIF3.2*

CTGTTCTCTGCATTTGGATTGATGCCACTTTAATACTTTGAGGTTCTCACTCTCTCTTTCTCTCTTCGCTGACTTCGAT  
TGCTTCAGTACCCTTTTTCTCAGGATCAAGACTTCGTAAAAGATTGTTTCTGTAAAACGCAACACCATGCCTCTGTTG  
AGCTTTTTCAGGCTCACCAAAGCTAAGCTTGAATCTGCTCAAGACAGGAACCTTCTCCACCTGTAGATGAAGTTGTGGA  
GCTGG

#### *AT3G02300.1: (note: sequenced with different primer upstream of quantified fragment)*

GCTCATGTTGTGGCCTTATCAGAGGAAGGCCTTCTTCAAGCTTGGGGCTATAATGAACAAGGCCAATTGGTAGAGGAG  
TCATTGTGAAGGACTACAAGCACCTCGTGTGATAAATGCTTATGCGAAGTTCCTTGATGAAGCACCCGAGCTTGTGAA  
GATTATGCAACTTTCATGTGGAGAATACCATACTGCTGCTCTTTCTGATGCAGGCGAGGTTTACACTTGGGGATTAGGA  
AGCATGGGTCAACTTGGGCATGTTTCTCTTCAATCCGGGGATAAGGAGTTAATACCAAGGAGAGTCGTTGGTCT

*AT3G02300* retained intron 6

GCTCATGTTGTGGCCTTATCAGAGGAAGGCCTTCTTCAAGCTTGGGGCTATAATGAACAAGGCCAACTTGGTAGAGGAG  
TCACCTTGTGAAGGACTACAAGCACCTCGTGTGATAAATGCTTATGCGAAGTTCCTTGATGAAGCACCCGAGCTTGTGAA  
GATTATGCAACTTTTCATGTGGAGAATACCATACTGCTGCTCTTTCTGATGCAGGCGAGGTGTAAGTTATCTAAATGCCT  
TCTCTTGAAAAGTTTGTGGTTATTCACATGAATGGGTAGCTAATTCTCTGTGCAATGTTCCGAGGAAGGAAATCCTTTT  
GATGGAGATATTGGTCTCATCACATCCTAGCAGATGGGAATGCTTGAGGAAGCAAATGAATTCCTGACTTGCAAGTCTT  
CTTCCCTTTTGGCTTATATTTTCTCGGTTTATCTTATTCAGTGTCCACTGCTTATCTCTTTCGTGGCAGTTACACTTGGG  
GATTAGGAAGCATGGGTCAACTTGGGCATGTTTCTCTTCAATCCGGGGATAAGGAGTTAATACCAAGGAGAGTCGTTGG  
TCT

*AT3G02300* alt 5'ss intron 6

GCTCATGTTGTGGCCTTATCAGAGGAAGGCCTTCTTCAAGCTTGGGGCTATAATGAACAAGGCCAACTTGGTAGAGGAG  
TCACCTTGTGAAGGACTACAAGCACCTCGTGTGATAAATGCTTATGCGAAGTTCCTTGATGAAGCACCCGAGCTTGTGAA  
GATTATGCAACTTTTCATGTGGAGAATACCATACTGCTGCTCTTTCTGATGCAGGCGAGGTGTAAGTTATCTAAATGCCT  
TCTCTTGAAAAGTTTGTGGTTATTCACATGAATGGGTAGCTAATTCTCTGTGCAATGTTCCGAGGAAGGAAATCCTTTT  
GATGGAGATATTGGTCTCATCACATCCTAGCAGATGGGAATGCTTGAGGAAGCAAATGAATTCCTGACTTTTACACTTG  
GGGATTAGGAAGCATGGGTCAACTTGGGCATGTTTCTCTTCAATCCGGGGATAAGGAGTTAATACCAAGGAGAGTCGTT  
GGTCT

*PPL1.1*

GTGTTGTTGCTCCTTGGATCTCATTGCTTAGTAGAGCTCCATTATCATTTGCTGCGAGAAAGCAAAAAAGGATTCCTTGC  
TGTCTCTGACAATAAAGATGCTTATGCGTTTCTCTATCCATTTGGTTGGCAGGAAGTTGTGATTGAAGGTCAAGATAAG  
GTATACAAAGATGTGATTGAGCCT

*PPL1* alt. 3'ss exon 3

GTGTTGTTGCTCCTTGGATCTCATTGCTTAGTAGAGCTCCATTATCATAAAGCAAAAAAGGATTCCTTGTCTCTGA  
CAATAAAGATGCTTATGCGTTTCTCTATCCATTTGGTTGGCAGGAAGTTGTGATTGAAGGTCAAGATAAGGTATACAAA  
GATGTGATTGAGCCT

*AT1G07590.1*

AGAGAAGTAAGAGAAATGGCAGATTCTAACTGTGGATGTGGCTCCTCCTGCAAATGTGGTGACTCTTGCAGTTGCGAGA  
AGAAGTACAACAAGGAGTGCAGAACTGTAGCTGTGGATCAAAGTGCAGCTGTGGGTCAAAGTGAAGTGTGATGAAA  
TTATTATGGTCTAAAATCATATATATGGCAGAAAAATTGGGGAAAAATATGTGTTTTATGCTAAGAGATGTGTGTGTGTT  
GTTGGAATAAAGACGTGACCGTTGTGTTGCGTATCAACTCTCTTAAGCTTTGACTTTTCCAGCTTTGTATTTTCCCTAT  
GTATGGTAATGGTGTGATTGTGTAATGTTTTCATATGTAACGTAAAAAAAATATTTATGTGACATTGACTTTTGTGACT  
ACTAAGATTTGTATATGTCCTCCGTTTTTATTTAGGATTTAAGTTCAATCAGCTAAATTAATCATAACAATTTAA  
GTAAATATTCATATGAGAAGAAGTCAACCATATCTTATCGGGCCTTATATGTTAATGTTAAAAGTTACGGGCCAGTA  
AGGTCCCAAAAAAGAAGAAGAGATGAGATCCATTATTGCTCTCATGAGGCAACGAGAATATTTTCGT

*AT1G07590* alt. 3'ss exon 2

AGAGAAGTAAGAGAAATGGCAGATTCTAACTGTGGATGTGGCTCCTCCTGCAAATGTGGTGACTCTTGCAGGTTACGGG  
CCAGTAAGGTCCCAAAAAAGAAGAAGAGATGAGATCCATTATTGCTCTCATGAGGCAACGAGAATATTTTCGT

*HYP1.1*

ACTGCCTTTCTTGTGGTCTACTATTGTCTTGGATATATCATCTACCGCAACCAGCTCCTAAACGTATATGCGGCCAAG  
TATGAAACTGGTGGAAAGTTTTGGCCAATAGTTCACAGCTATACTATCTTCTCTTTGGTACTAATGCACATTATTGCAG  
TCGGATTATTCGGGCTTAAAGAGCTTCCAGTGGCATCTTCTTTAACAATTCCTTCCGGTTCACGGTCTTTTTCAG  
CATTTACTGCCAAAGACGGTTTTTACCAAATTTCAAATCTTATCCTACCCAGTGTCTGGTAAACAAAGATAAAGCAGAC  
GAGAGAGAGC

*HYP1* retained intron 9

ACTGCCTTTCTTGTGGTCTACTATTGTCTTGGATATATCATCTACCGCAACCAGGTAACGGAACCAATCTCACTCCTA  
AGTATAATTCTCTGTGGATCTCTGATAAAATCATATAGGAATCAGCTACACATATTTTCGTTATATGGAATCTCACTTT  
TATCTTCTCTTTATATGTGATCCCTTTTCTAAATTCTCGAATAGCATCTTTAAACCGAAAAGTATTTTTTGGAGCTTCAG  
TCATGACATAAACGTTACATCAAGAATCCATTTTCTCGTCACATAATTCTTTTCTTCTTAATGAATCCATTGCAACTT  
GTTGATAGAAATAACATCACCTTTTTGTGCTGCAGCTCCTAAACGTATATGCGGCCAAGTATGAACTGGTGGAAAGTT  
TTGGCCAATAGTTCACAGCTATACTATCTTCTCTTTGGTACTAATGCACATTATTGCAGTCGGATTATTTCGGGCTTAAA  
GAGCTTCCAGTGGCATCTTCTTTAACAATTCCCCCTCCGGTTCTCACGGTCCTTTTCAGCATTTACTGCCAAAGACGGT  
TTTTACCAAATTTCAAATCTTATCCTACCCAGTGTCTGGTAAACAAAGATAAAGCAGACGAGAGAGAGC

*RRC1.1*

ACTTTTGTTCGAGGTGGGACGATAAAATCCTGGTGACAAGCCTAAGGTTGATTCTGAAGGTGAAAAGTCCAAAGATGGGG  
GTTTCGGTTTTCAAAGAAGGGGAGTAGGTATGTTCCCTCTTTCTTCCACCA

*RRC1.2* exon skipping exon 3

ACTTTTGTTCGAGGTGGGACGATAAAATCCTGGTGACAAGCCTAAGGTTGATTCTGAAGGTATGTTCCCTCTTTCTTCC  
ACCA

*SR30.1*

GTCACCTGCTAGATCCATTTCCCCGCGTTCACGGCCCCCTTAGTCGTTCTCGCTCGCTATACAGCTCTGTCTCAAGGTCC  
CAATCAAGATCAAAATCAAGATCAAGATCAAGATCGAATTCTCCAGTTTACCTGTGATATCTGGTTGAAAATGAAAAC  
TGGCCACTGGCTGTACCCGAATCGTCTCAAGCTTCTCAGGCT

*SR30.2*

GTCACCTGCTAGATCCATTTCCCCGCGTTCACGGCCCCCTTAGTCGTTCTCGCTCGCTATACAGCTCTGTCTCAAGATCT  
GGCTCACTGCTACGAGCTGGGGATTGGATCTAGATGGGTCATCTAGATGGATTCTTGGACTGGATTTACAAAGCTGGAT  
TAGCATGAACTTGAACCTCTGTTTTTACGGTCTGGTCTGGTCTGGTACTCCGCGCGTATCAGCTGTAGGATCTGATCGC  
AAAGTTTTGGACTATGATTACTCTGATTCCTCAATATATTTATCTTTTGGACAATAGTGGATTCTGTGTTGAGTTCTTT  
TCTAGGACAGCATTTAAGCTCCCGGGACTAGATGGGAGATGGTCAGTAAATTTCTTTGTTATGCCACACTTACATGGGG  
TTTTTGGTCTTGCTGCAGGTCCCAATCAAGATCAAAATCAAGATCAAGATCAAGATCGAATTCTCCAGTTTACCTGTG  
ATATCTGGTTGAAAATGAAAACGGCCACTGGCTGTACCCGAATCGTCTCAAGCTTCTCAGGCT

*SR30.3* cassette exon inclusion intron 10

GTCACCTGCTAGATCCATTTCCCCGCGTTCACGGCCCCCTTAGTCGTTCTCGCTCGCTATACAGCTCTGTCTCAAGATCT  
GGCTCACTGCTACGAGCTGGGGATTGGATCTAGATGGGTCATCTAGATGGATTCTTGGACTGGATTTACAAAGCTGGAT  
TAGCATGAACTTGAACCTCTGTTTTTACGGTCTGGTCTGGTCTGGTACTCCGCGCGTATCAGCTGTCCCAATCAAGATC  
AAAATCAAGATCAAGATCAAGATCGAATTCTCCAGTTTACCTGTGATATCTGGTTGAAAATGAAAACGGCCACTGGC  
TGTACCCGAATCGTCTCAAGCTTCTCAGGCT

Supplemental Table 1: Sequences of Oligonucleotides.

## Co-amplification and qPCR primers for validation of light-dependent AS events

Primer	Gene ID	Gene	Fwd/Rev	Sequence	Details
1	AT1G07590		Rev	ACGAAATATTCTCGTTGCCTCA	
2	AT1G07590		Fwd	AGAGAAGTAAGAGAAATGGCAG	
3	AT5G14740	CA2	Fwd	GCTCTCAAGAAGCTTCTCATGAC	qPCR, specific for exon 4 skipping variant
4	AT5G14740	CA2	Rev	TCGTGAGTCCGAACAAGCAA	
5	AT5G14740	CA2	Fwd	CTCTCAAGAAGCTTCTCATGTGA	qPCR, specific for shorter exon 4 containing
6	AT5G14740	CA2	Rev	AGCCTTCCTTAATTCGTTTCGAC	
7	AT1G09530	PIF3	Fwd	CTGTTCTCTGCATTTGGA	
8	AT1G09530	PIF3	Rev	CCAGCTCCACAACCTTCAT	
9	AT1G09140	SR30	Fwd	GTCACCTGCTAGATCCATTTCC	
10	AT1G09140	SR30	Rev	AGCCTGAGAAGCTTGAGACG	
11	AT3G49430	SR34A	Fwd	TCCGAGTATTGTTGGCTTCA	
12	AT3G49430	SR34A	Rev	CCGAGAATGCTCAAACCTCAA	
13	AT5G25060	RRC1	Fwd	ACTTTTGTTTCGAGGTGGG	
14	AT5G25060	RRC1	Rev	TGGTGGAAGGAAAGAGGGA	
15	AT3G61860	RS31	Rev	CAGTGTCTTTGTAGGCTTC	
16	AT3G61860	RS31	Fwd	ACCGAGTGGACATGAAAT	
17	AT3G02300		Fwd	ACCTCGTGTGATAAATGCTT	
18	AT3G02300		Rev	TACACCACCACAAGCAAC	
19	AT1G60900	U2AF65B	Fwd	GCGCCTCCTGATATGTTAG	
20	AT1G60900	U2AF65B	Rev	GTTTGAGAACATCCCTGG	
21	AT4G39260	GRP8	Fwd	TGAAGTTGAGTACCGGTG	
22	AT4G39260	GRP8	Rev	TCTTCAATCGCATCCCTC	
23	AT1G70000		For	TCAAACCTCCTGATCCCAACC	
24	AT1G70000		Rev	CTATGTTCTTCCTCTGTCCA	
25	AT1G60200		Fwd	ATGCCTCAGTATCAACCG	
26	AT1G60200		Rev	GGTCGTGGTGCTAGTTGA	
27	AT1G30970	SUF4	Fwd	ACACTAGCGGTCCTTCAA	
28	AT1G30970	SUF4	Rev	TCGTCTGTCTATCGCTGC	
29	AT3G55330	PPL1	Fwd	GTGTTGTTGCTCCTTGAT	
30	AT3G55330	PPL1	Rev	AGGCTCAATCACATCTTTG	
31	AT3G01100	HYP1	Fwd	ACTGCCTTTCTTGTGGTC	
32	AT3G01100	HYP1	Rev	GCTCTCTCTCGTCTGCTT	
82	AT5G58140	PHOT2	Fwd	CCTTCCTACTCTCTACGCT	
83	AT5G58140	PHOT2	Rev	TTGTATGACCAGCACCCG	
84	AT5G58140	PHOT2	Fwd	TGCAATCTTCAATTACAGCTGCA	qPCR, specific for intron 19 containing variants
85	AT5G58140	PHOT2	Rev	CTTGTATGACCAGCACCCGT	
86	AT5G58140	PHOT2	Fwd	TGAAGAATACATTGCGCCTGAG	qPCR, specific for .1
87	AT5G58140	PHOT2	Rev	GCGACCATAAAGCATCTCATACA	
88	AT1G01060	LHY	Fwd	TCCCGGTGAGATGATAAG	
89	AT1G01060	LHY	Rev	AAAGCCGTTGTGATAACC	
90	AT4G14720	PPD2	Fwd	CGGTGGTTGGGCAAATGA	used in gel picture
91	AT4G14720	PPD2	Rev	ACTTTTCTGTTGCTGAC	
92	AT4G14720	PPD2	Fwd	CGGTCTATCATGCATTTTGC	used for quantification

#### Cloning primers SR30

Primer	Gene ID	Gene	Fwd/Rev	Sequence	Details
159	AT1G09140	SR30	Fwd	GGGGACAAGTTTGTACAAAAAAGCAGGCTTAATGAGTAGCCGATGGAATCG	attB1, SR30
160	AT1G09140	SR30.1	Rev	GGGGACCACTTTGTACAAGAAAGCTGGGTACCAGATATCACAGGTGAAAC	attB2, SR30
161	AT1G09140	SR30.2	Rev	GGGGACCACTTTGTACAAGAAAGCTGGGTGATCCAATCCCCAGCTCGT	attB2, SR30
163	AT1G09140	SR30	Fwd	CCAAGGATCCATGAGTAGCCGATGGAATCG	BamHI
164	AT1G09140	SR30.1	Rev	TTGGCTCGAGTCACTTGTCTCATCATCGTCTTTGTAGTCACCAGATATCACAGGTGAAAC	XhoI, Flag, SR30
165	AT1G09140	SR30.2	Rev	TTGGCTCGAGTCACTTGTCTCATCATCGTCTTTGTAGTCGATCCAATCCCCAGCTCGT	XhoI, Flag, SR30
169	AT1G09140	SR30	Rev	TTGGCTCGAGCTAAGCGTAATCTGGAACATCGTATGGGTAACCAGATATCACCTGCAAAAC	XhoI, HA, SR30
182	AT1G09140	SR30.2	Rev	TTGGCTCGAGCTAGATCCAATCCCCAGCTCGT	XhoI
186	AT1G09140	SR30	Fwd	CCAAGGATCCAACGGTGGTTGTCTCCTTTC	BamHI
187	AT1G09140	SR30.1	Rev	AGCGTAATCTGGAACATCGTATGGGTAACCAGATATCACAGGTGAAAC	HA, SR30
188	AT1G09140	SR30.1	Fwd	CCATACGATGTTCCAGATTACGCTTGAAAATGAAAACCTGGCCACT	HA, SR30
189	AT1G09140	SR30	Rev	TTGGCTCGAGTAGTTTTAACACTGCAAGTTTAG	XhoI
190	AT1G09140	SR30.2	Rev	GTAATCTGGAACATCGTATGGGTAGATCCAATCCCCAGCTCGT	HA, SR30
191	AT1G09140	SR30.2	Fwd	CCATACGATGTTCCAGATTACGCTTAGATGGGTCATCTAGATGGA	HA, SR30
211	AT1G09140	SR30.1	Rev	TTGGTCTAGAACAGATATCACAGGTGAAAC	XbaI
212	AT1G09140	SR30.2	Rev	TTGGTCTAGAGATCCAATCCCCAGCTCGT	XbaI
311	AT1G09140	SR30	Fwd	CCTTATGACGTGCCTGACTATGCATACCCATACGATGTTCCAGA	HA3-tag
312	AT1G09140	SR30	Rev	ATAGTCAGGCACGTCATAAGGATAAGCGTAATCTGGAACATCGT	HA3-tag

#### Cloning primers SR30 amiRNAs

Primer	Gene ID	amiRNA	Fwd/Rev	Sequence	Details
47	AT1G09140	amiRNA.1	Fwd	gaTTGATTGGGACCTTGCACAGctctctttgtattcca	miR-s
48	AT1G09140	amiRNA.1	Rev	agCTGTCGCAAGGTCCCAATCAAtcaaagagaatcaatga	miR-a
49	AT1G09140	amiRNA.1	Fwd	agCTATCGCAAGGTGCGAATCATtcacaggtcgtgatatg	miR*s
50	AT1G09140	amiRNA.1	Rev	gaATGATTGCGACCTTGCAGATGctacatatattccta	miR*a
51	AT1G09140	amiRNA.2	Fwd	gaTACCCCATGTAAGTGTGCCATctctctttgtattcca	miR-s
52	AT1G09140	amiRNA.2	Rev	agATGGCACACTTACATGGGGTAtcaaagagaatcaatga	miR-a
53	AT1G09140	amiRNA.2	Fwd	agATAGCACACTTACTTGGGGTTtcacaggtcgtgatatg	miR*s
54	AT1G09140	amiRNA.2	Rev	gaAACCCCAAGTAAGTGTGCTATctacatatattccta	miR*a
55	AT1G09140	amiRNA.a	Fwd	gaTTCACCCGTATATACGCACTActctctttgtattcca	miR-s
56	AT1G09140	amiRNA.a	Rev	agTAGTGCGTATATACGGGTGAAtcaaagagaatcaatga	miR-a
57	AT1G09140	amiRNA.a	Fwd	agTAATGCGTATATAGGGGTGATtcacaggtcgtgatatg	miR*s
58	AT1G09140	amiRNA.a	Rev	gaATCACCCCTATATACGCATTActacatatattccta	miR*a
59	AT1G09140	amiRNA.b	Fwd	gaTTGAACTTTATTATGCGGCCGctctctttgtattcca	miR-s
60	AT1G09140	amiRNA.b	Rev	agCGGCCGCATAATAAAGTTCAAtcaaagagaatcaatga	miR-a
61	AT1G09140	amiRNA.b	Fwd	agCGACCGCATAATATAGTTCATtcacaggtcgtgatatg	miR*s
62	AT1G09140	amiRNA.b	Rev	gaATGAACTATATTATGCGGTCGctacatatattccta	miR*a



#### Cloning primers *RRC1* complementation constructs

Primer	Gene ID	Gene	Fwd/Rev	Sequence	Details
63	AT5G25060	RRC1	Fwd	AAAAAGCAGGCTCTATGAGTTCATTCTCGATCAC	half attB1, RRC1
64	AT5G25060	RRC1	Rev	AGAAAGCTGGGTGAGTGAGAAATCTTTCAGAAATTGG	half attB2, RRC1
65	attB1		Fwd	GGGGACAAGTTTGTACAAAAAAGCAGGCT	Extension att site
66	attB2		Rev	GGGGACCACTTTGTACAAGAAAGCTGGGT	Extension att site
83	AT5G25060	RRC1	Fwd	CCAAAAGCTTCTTTGTTTCTCTGTTTACTTTA	overhang, HindIII, RRC1
84	AT5G25060	RRC1	Rev	CCAATCTAGATGTTTCAGCATCCAAGTCT	overhang, XbaI, RRC1

#### qPCR primers *RRC1* and *SR30*

Primer	Gene ID	Gene	Fwd/Rev	Sequence	Details
67	AT5G25060	RRC1	Fwd	CCTAAGGTTGATTCTGAAGGTGA	specific for .1
68	AT5G25060	RRC1	Rev	GTGGTGGTGGGAAGGAAAGAG	
69	AT5G25060	RRC1	Fwd	CCTAAGGTTGATTCTGAAGGTATG	specific for .2
70	AT5G25060	RRC1	Rev	CTTCCCTAGGCCTCTCCTC	
71	AT5G25060	RRC1	Fwd	AAGAAGAAGCTAGGAAGAAGAAAGC	total transcript
72	AT5G25060	RRC1	Rev	TAGTTGCATTATCCCCTTGAAA	
73	AT1G09140	SR30	Fwd	GCAAGAGCAGGAGTGTGTCA	specific for .1
74	AT1G09140	SR30	Rev	TTGATCTTGATTGGGACCTTG	
75	AT1G09140	SR30	Fwd	TCACCTGCTAGATCCATTTC	specific for .2
76	AT1G09140	SR30	Rev	CCCAGCTCGTAGCAGTGAG	
77	AT1G09140	SR30	Fwd	GCGCGTATCAGCTGTCC	specific for .3
78	AT1G09140	SR30	Rev	CCAGTGGCCAGTTTTCAATT	
79	AT1G09140	SR30	Fwd	TCTAGTGCTTATATACGGGTGAGG	total transcript
80	AT1G09140	SR30	Rev	GCTCCGACTCCTGCTTCTAT	

#### Genotyping primers *sr30*

Primer	Gene ID	Gene	Fwd/Rev	Sequence	Details
81	AT1G09140	SR30	Rev	ACCACCATGTGCAATCTCAA	gene specific
82			Fwd	CCATTTGGACGTGAATGTAGACAC	T-DNA