Supplemental Table 1. Primers used in the experiments

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|  | Gene | Primer | Sequence (5’-3’) |
| Complementation | Os08g0422600/  genomic DNA | C1g-F | CACCGCGGTGACTCTTGGAGGA |
| C1g-R | CCCTCGAGCCTCATCACA |
|  | Os08g0422900/  genomic DNA | C2g-F | CACCCGTCTGGAACAGGCGAAC |
|  | C2g-R | CCTCTCCGTTGGAAGAACAG |
|  | Os08g0422600/  cDNA | C1c-F | CACCATGGCTTCGGCCTCCCCCCGCGT |
|  | C1c-R | TTACTCTGCGATTCTAACCTTCTTGTTC |
| RNAi Vector construction | Os08g0422600 | C1RNAi-F | CACCGCGCACAAACACAATCAGAA |
|  | C1RNAi-R | GCCTCATCACAGAAATGCAA |
|  | Os08g0422900 | C2RNAi-F | CACCAATTTGATCCGTCGGTTCTG |
|  |  | C2RNAi-R | CCCATGTCACGTACAGTTGC |
| Real time PCR | SAD1/Os08g0422600 | SAD1-3p-F | CCAGGGGAGAAATCCAAGA |
|  |  | SAD1-3p-R | CTGTCGACCAAGCTTCAGG |
|  | Os08g0422900 | C2-RT-F | CACAGTCCGTCAAAGGGTTT |
|  |  | C2-RT-R | TGGATGTTTTCACAGCTTGC |
|  | SAD1L/ Os01g0259900 | SAD1L-5p-F | GCCTCTCCACCTCTGATCCT |
|  | SAD1L-5p-R | GCCAAAGTTCCGTTGACTCT |
|  | OsMAD14/RAP1B | RAP1B-F | CCACCAAGGGCAAGCTCTAC |
|  | RAP1B-R | AGCGCTCATAACGTTCAAGGA |
|  | OsrRNA-5.8S | rRNA5.8S-F, | cacacgactctcggcaac |
|  | rRNA5.8S-R, | gcaacttgcgttcaaagact |
|  | OsrRNA-18S | rRNA18S F, | ggcggatgttgcttatagga |
|  | rRNA18S R, | aactaagaacggccatgcac |
|  | OsrRNA-25S | rRNA25S F, | aatcagcggggaaagaagac |
|  | rRNA25S R, | caaactccccacctgacaat |
|  | Actin | Actin-F | TATCCAGCCCCTCGTCTG |
|  | Actin-R | GACAATGCTGGGGAAGACAG |
|  | UBQ | UBQ-F | AACCAGCTGAGGCCCAAGA |
|  |  | UBQ-R | ACGATTGATTTAACCAGTCCATGA |
| Yeast Two Hybrid | SAD1/  Os08g0422600 | SAD1-NdeI-F | CGCATATGATGGCTTCGGCCTCCCCCCGC |
| SAD1-EcoRI-R | GCGAATTCTTACTCTGCGATTCTAACCTTC |
| SAD1N-EcorI-R | GCGAATTCAGGGTCAGGATAACGAACTAAGCT |
| SAD1C-NdeI-F | GCCATATGAGCTTAGTTCGTTATCCTGACCCT |
|  | OsMED4/ Os09t0540500 | Med4-Ndel-F | CATATGATGATGCAGTCGCACCACCCCTCG |
|  | Med4-EcoRI-R | GAATTCCTAATCCTCATCATCTTCTTCAG |
|  | Med4N-EcoRI-R | GCGAATTCGTGGGCGTACGTCAGGACGTCGTC |
|  | Med4C-Ndel-F | GCCATATGAACCTGGACGACGTCCTGACGTACGCC |
|  | OsMED7/ Os04g0661800 | Med7-Ndel-F | CATATGATGGCCACATCATCAGCATATCC |
|  | Med7-EcoRI-R | GAATTCTCACATTGCAGGCAAACTCGGCTG |
|  | OsMED21/ Os08g0135600 | Med21-Ndel-F | CATATGATGGGCCCACGTGCCAGTCAGAG |
|  | Med21-EcoRI-R | GAATTCTTACTCTGGCTTCTTCAAGTTTAT |
|  | OsMED6/ Os06g0217500 | Med6-Ndel-F | CACCCATATGATGTCGGGGACGCCTCTTCC |
|  | Med6-EcoRI-R | CGGAATTCTCATTGGAATCTAGGCCTTTTTGC |
|  | OsCycC/ Os09g0504400 | CycC-Ndel-F | GGAATTCCATATGATGGCCGCCAACTTCTGG |
|  | CycC-EcoRI-R, | CGGAATTCTTAGGCCTTTGAAGGCAGTTTGT |
|  | OsCDK8/ Os10g0580300 | CDK8-Ndel-F | GGAATTCCATATGATGGGGGACGGCCGCGTCGGAGG |
|  | CDK8-EcoRI-R | CGGAATTCTCAGAACCGCCTCTTCTGTTGAGTAGGAT |
|  | OsMed9/ Os01g0501000 | Med9-NdeI-F | GCTCATATGATGGATCAGCACCACGTGCAGC |
|  | Med9-EcoRI-R | CGGAATTCCTATCTTCTTGTATCCCCCTTGAG |
|  | OsMed10/ Os09g0528300 | Med10-NdeI-F | GCTCATATGATGGACGGCGGCGCGGCCACGAAC |
|  | Med10-EcoRI-R | CGGAATTCTCAATGCTCCGGTTTCACTTTAACA |
|  | OsMed31a/ Os07g0164600 | Med31a-NdeI-F | GCTCATATGATGGAGGAGGCGGAGGCAAGG |
|  | Med31a-EcoRI-R | CGGAATTCCTAGCCTATCTTTCTCTTTCTAC |
|  | OsMed31b/ Os10g0564100 | Med31b-NdeI-F | GCTCATATGATGGAGCCGGAGGCAATGCCGG |
|  | Med31b-EcoRI-R | CGGAATTCCTAGCCCATCTTTCTCTTTCTAC |
|  | OsMed19a/ Os12g0614000 | Med19-NdeI-F | GCTCATATGATGGATTCTGATGACAAGAAGTTTG |
|  | Med19a-EcoRI-R | CGGAATTCCTAACTAAGTCCATTCCCTGTGTCA |
|  | OsMed19b/ Os03g0641700 | Med19b-NdeI-F | GCTCATATGATGTCAGGGTTTAATCGGATGGGTTC |
|  | Med19b-EcoRI-R | CGGAATTC TCATTGATTTTTGCGCTTTTGTACT |
|  | OsRPA49/ Os11g0615100 | RPA49-Ndel-F, | GCCATATGATGGCGGACCACCAGCCCGCCGCC |
|  | RPA49-EcoRI-R, | GCGAATTCTCAGAACCTTCGTCGCTTTCTCCT |
|  | OsRPA49-N termi | RPA49-EcoRI-579R | GCGAATTCGATGGGGACGACCTTGAG |
|  | OsRPA49-C termi | RPA49-Ndel-902F | CACCCATATGGATCCTGCAGCAGATACATGAGA |
|  | OsTFIIF2-1/OsRAP30-1 Os05g0509900 | TFIIF2-1-Ndel-F | GCCATATGATGGGCGAGGAGGCCAAGTAC |
|  | TFIIF2-1-EcoRI-R | GCGAATTCTCAAGAAGCATCAGTGTCCCCT |
|  | OsTFII2-2/ OsRAP30-2  Os01g0772200 | TFIIF2-2-Ndel-F | GCCATATGATGGCGGAGGAGGCGAAGAATC |
|  | TFIIF2-2-EcoRI-R | GCGAATTCCTAAGTAGCAGTAGCATCAGCGT |
|  | OsRPC4/ Os04g0394500 | RPC53-Ndel-F | GCCATATGATGGCCTCCCTCCTCGCAAGGGA |
|  | RPC53- EcoRI-R, | GCGAATTCTTACGCTTCCATCTTGTCGAAAG |
|  | OsRPC4-C termi | RPC53-Ndel-FC | CACCCATATGATGCAAAGTTCAGCAGATGGA |
| BiFC | SAD1 | SAD1-XbaI-F | CACCTCTAGAATGGCTTCGGCCTCCCCCCGCGT |
|  |  | SAD1-Kpn-R | CGGGGTACCTTACTCTGCGATTCTAACCTTCTTGTTC |
|  | OsMed4 | Med4XbaI-F | CACCTCTAGAATGATGCAGTCGCACCACCCCTCG |
|  |  | Med4-KpnI-R | R, CGGGGTACCCTAATCCTCATCATCTTCTTCAG |
| Mapping | RM5808 | RM5808-F | GGGAGTAGGAGGGAGGGAGAAAGAGG |
|  |  | RM5808-R | CAGAACCAGCGAGGGAAACACC |
|  | RM515 | RM515-F | CGAGATACGGTGAATGACACACG |
|  |  | RM515-R | ACCAATCAGAGAGACACACACACAAGG |
|  | RM23116 | RM23116-F | GTTCATTTCGCGTTCTGATTCC |
|  |  | RM23116-R | TTGCCGTTTGTTAATGCAGAGG |
|  | M4  Digested by Aul I | M4-F | GCCAGAGTGCTAGTGGGAGA |
|  | M4-R | ACACATCTATCTGTTGCCAGAATCTGTAG |
|  | IM2, Sequence | IM2-F | ATGTGTTAGCTGGAGGTCCTAGG |
|  |  | IM2-R | AAACCGAGCCCAAAGTTGGAATTAC |
|  | IM3 | IM3-F | CGTCTGGAACAGGCGAAC |
|  |  | IM3-R | GCGGTGACTCTTGGAGGA |
| Genotyping of mutant | Bgl II,  Digested by Bgl II | Bgl II-F | CAATACTATGGGCCAAAACATCTTAAAAG |
| Bgl II-R | TGGATCGTTGGATGTGTGAC |
|  | AtMED4 | AtMED4-F | ATGCTACAGCATCAGATCGTACA |
|  | AtMED4-R | TTAATCCTCATCATCTGAGCTTGC |
|  | atmed4-1 and atmed4-2 | LBa1 | TGGTTCACGTAGTGGGCCATCG |
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