**Table S1: Primer list**

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| Name | Sequences (from 5’ to 3’) | Usage | Note |
| rbp45d\_1 | TCGAGTGGTTGATAGCCGTG | Sequencing | Fragment amplification |
| rbp45d\_2 | GATTAGGGAGGTGTTTCATG | Sequencing | Fragment amplification |
| rbp45d\_3 | CATCGTGCGAGTCTTTCGAG | Sequencing |  |
| rbp45d\_4 | TTTCCAATTCACAGCTCTCC | Sequencing |  |
| rbp45d\_5 | CACAGATGCCTGGAACTGAG | Sequencing |  |
| rbp45d\_6 | AGTGATGTCACCTGTACAAC | Sequencing |  |
| rbp45d\_7 | GGATGGTTGGGTTACACAAG | Sequencing |  |
| rbp45A\_F | TGGCAACAGTCTGCATAGAG | Genotyping |  |
| rbp45A\_R | TGCTCTTCCGATGCAACCAG | Genotyping | + SAIL\_LB (SAIL\_569\_G05) |
| rbp45B\_F | TGAATTCGCATCTCATGCTG | Genotyping |  |
| rbp45B\_R | TCCAGAAACTGTCACATCTG | Genotyping, RT-PCR | + SAIL\_LB (SAIL\_505\_E03) |
| rbp45C\_F | TTGAAGAGCTGAAAGGCAAG | Genotyping |  |
| rbp45C\_R | AACGTCTTTGGTCTTACTGG | Genotyping, RT-PCR | +SALK\_Lb (SALK\_063484C) |
| RBP45A\_RTF | ATGAGCAGATGCGTGCCATG | RT-PCR |  |
| RBP45A\_RTR | GACGTTGCTGCTGATAGTTG | RT-PCR |  |
| RBP45B\_RTR | GAATCCACAGCGCTTTCCAG | RT-PCR | +rbp45b\_F |
| RBP45C\_RTF | AAGTGCTTGCTCAGCACATG | RT-PCR | +rbp45C\_R |
| dgcr14-1\_F | TTATTCCGATGATACCCTCC | Genotyping | CAPS (*Bam*HI) |
| dgcr14-1\_R | CAAGGAGAAAGCCATACTTC | Genotyping |  |
| dgcr14-2\_F | GGTCTTGATGAATCACCCTTTATACCATG | Genotyping | dCAPS (*Nco*I) |
| dgcr14-2\_R | TCCACTTCGATGAGGAGATG | Genotyping |  |
| CDKG2-3\_F | GAGAAGTATAAACATGCTCC | Genotyping | CAPS (*Apo*I) |
| CDKG2-3\_R | AAGAAAGTCCACCAGAATTC | Genotyping |  |
| IWS1-1 | GACTTTGTTAACACGAAGTC | Sequencing | Fragment amplification |
| IWS1-2 | CGTTTCCGTTTCAAGCAACC | Sequencing | Fragment amplification |
| IWS1-3 | CTCTTCCTACCAACCTTATC | Sequencing |  |
| IWS1-4 | TGGAGATTGGGATGGTGAAG | Sequencing |  |
| IWS1-5 | AGGGTGAGGATGAAGATGAG | Sequencing |  |
| IWS1-6 | TTTGTTCTGGCTTTGGCAGG | Sequencing |  |
| IWS1-7 | AACAGGTTTCTCAGGACCAG | Sequencing |  |
| IWS1\_2\_F | ATTACTCATTGTTTGTTGAAAAATCTGCA | Genotyping | dCAPS (*Pst*I) |
| IWS1\_2\_R | TCTTTTTACCTTGACCCGAC | Genotyping |  |
| IWS1\_3 \_F | AGCAACCCCATTGGACTTTTTGATCGGTC | Genotyping | dCAPS (*Ava*II) |
| IWS1\_3 \_R | GATTTTGAGCCAGTACAAGG | Genotyping |  |
| CBP80-1 | TCCGTTCAGAATAGAACACC | Sequencing | Fragment amplification |
| CBP80-2 | ATGCTAGGCAAGTCTACAAC | Sequencing | Fragment amplification |
| CBP80-3 | TGCACAGTGGTCGTCCATTC | Sequencing | Fragment amplification |
| CBP80-4 | ATAGTACGGTTGCTCAATTG | Sequencing | Fragment amplification |
| CBP80-5 | CTGAACAATTGCCTCATAAG | Sequencing |  |
| CBP80-6 | TCTAATCTGTACATCAAAGG | Sequencing |  |
| CBP80-7 | CAACCAACTTTGTTAGTCTG | Sequencing |  |
| CBP80-8 | CATATTCAATGTGCTAGTACC | Sequencing |  |
| CBP80-9 | TTTCAGATACTGCTGCTACC | Sequencing |  |
| CBP80-10 | TTGTGTTGGATCTTCCCAAG | Sequencing |  |
| CBP80-11 | GCAGGTGATGCTATTATCTC | Sequencing |  |
| CBP80-12 | TACTCAATCAAAACCTCCAC | Sequencing |  |
| cbp80-9\_R | GAGCAGTAAAACCTATGCAC | Genotyping | +CBP80-11, CAPS (*Nco*I) |
| SmFa-1 | TGGTCAAAGAGTAGAAAGCC | Sequencing | Fragment amplification |
| SmFa-2 | GTTTGGTAATTGCTTGGTAC | Sequencing | Fragment amplification |
| SmFa-3 | GTTCATGTAGGAGTCAACAG | Sequencing |  |
| SmFa-4 | CATTCTTGAACAACTTGACC | Sequencing |  |
| SmFa-5 | CTACTTGCTACCACTTGATG | Sequencing |  |
| At2g14285\_F | TCACGAATCAGAACTGATGG | Genotyping |  |
| At2g14285\_R | GTAAGGCGAAGGGGACAATG | Genotyping | +SAIL\_LB (SAIL\_608\_B05) |
| smfb\_F | ATACCAGTAAACCCGAAACC | RT-PCR |  |
| smfb\_R | AGATCGTGAAGGTAACATCC | RT-PCR |  |
| CWC16a-1 | TTTTGGGCTATACGAAACAC | Sequencing | Fragment amplification |
| CWC16a-2 | AAGACATTTACCGTACCGAC | Sequencing | Fragment amplification |
| CWC16a-3 | ACGTGAAATTCAAGAGCAAG | Sequencing |  |
| CWC16a-4 | GCTTGCTGATGGGTTTGTAG | Sequencing |  |
| CWC16a-5 | CTTTCCCTTCTCTGCAAAAG | Sequencing |  |
| CWC16a-6 | CGATCAACAAAATGTACACC | Sequencing |  |
| cwc16-1\_F | TAAATTTCATACGTGCTTTTGTTTTCTGCA | Genotyping | dCAPS (*Pst*I) |
| cwc16-1\_R | TGATTTCATTGCAAAGCTCC | Genotyping |  |
| SALK\_054375\_F | ACGACCAGAAAATCCGAAGG | Genotyping |  |
| SALK\_054375\_R | GGATGAAGATGTTTGGTGAG | Genotyping | +SALK LBb1 (SALK\_054375) |
| SALK\_152624\_F | TGAATCCCGAGATACGTCTG | Genotyping |  |
| SALK\_152624\_R | AGAAGAAACAGGCGACATGG | Genotyping | +SALK LBb1 (SALK\_15264 and SLAK\_132471) |
| SALK\_009736C\_F | CTTTAATGACCCGAGCTACC | Genotyping |  |
| SALK\_009736C\_R | TCAATTACCTCGCCAATGAC | Genotyping | +SALK LBb1 (SALK\_009736 |
| At1g17130\_F | TTGATGTGCAGACGTATCTC | Genotyping |  |
| At1g17130\_R | TACACTCACAGTAGCATGTC | Genotyping | + SAIL\_LB (SAIL\_527\_G04) |
| Spreading5’ | AGGCTGCATCTTCAGGCATC | RT-PCR | GFP nascent RNA |
| egfp3’ | TTTACTTGTACAGCTCGTCC | RT-PCR | GFP nascent RNA |
| actin-f | GCCATCCAAGCTGTTCTCTC | RT-PCR | Actin control |
| actin-r | GGGCATCTGAATCTCTCAGC | RT-PCR | Actin control |
| SAIL\_LB | TAGCATCTGAATTTCATAACCAATCTCGATACAC | Genotyping |  |
| SALK\_LBb1 | GCGTGGACCGCTTGCTGCAACT | Genotyping |  |