**Table S8.** **Primers used in genotyping, RT-qPCR, and ChIP.**

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| **Primers used for genotyping** |
| **Primer pair** | **Sequences (5’-3’)** | **Method** | **Note** |
| Mut1LMut1R | GATTTCCCCAAATTCGATGC ATCACCCACGGCGCCTATTCCTAAT | Genotyping *BRM* WT allele | Primers described in [44] |
| Lba1Mut1L | TGGTTCACGTAGTGGGCCATCG above | Genotyping *brm-1* mutant allele  | Primers described in [44] |
| ga1-3wtFga1-3wtR  | TTTGGCCCAACACACAAACAAACCTTAAGCTTCGAACTCAAGGTTCTA | Genotyping *GA1* WT allele | Primers described in [68] |
| ga1-3mutF ga1-3mutR  | AATGAGATTCATGTTTGGCTTTCTTCATACCACCTGCGTTC | Genotyping *ga1-3* mutant allele | this work and [68] |
| RGAwtFRGAwtR | CAGCTAAGCATCCGATTTGC TCACATAGAGAAGTCACATG  | Genotyping *RGA* WT allele | Primers described in [27] |
| RGAwtFLba1 | aboveabove | Genotyping *rga-28* mutant allele | this work and [27] |
| RGL1wtFRGL1wtR | GGTTCTTGGTGATGGAATCTCGATTATTCCACACGATTGATTCGCCA  | Genotyping *RGL1* WT allele | Primers described in [27] |
| RGL1wtFRGL1mutRB | AboveTGATAGTGACCTTAGGCGACTTTTGAACGC  | Genotyping *rgl1-2* mutant allele | this work and [27] |
| RGL2wtFRGL2wtR | TGCGGTACCATGAAGAGAGGATACGGAG ATCGGTACCGCCGCGACTCAGG  | Genotyping *RGL2* WT allele | Primers described in [27] |
| RGL2wtFLba1 | AboveAbove  | Genotyping *rgl2-13* mutant allele | this work and [27] |
| **Primers used for RT-qPCR** |
| qPP2A-FqPP2A-R | TATCGGATGACGATTCTTCGTGCAG GCTTGGTCGACTATCGGAATGAGAG | *PP2A* RT-qPCR | Primers described in [44] |
| GAPc-F GAPc-F  | AGCTGCTACCTACGATG CACACGGGAACTGTAAC | *GAPc* RT-qPCR | Primers described in [27] |
| GA3ox1-F2GA3ox1-R2 | CCATTCACCTCCCACACTCTGCCAGTGATGGTGAAACCTT | *GA3ox1* RT-qPCR | Primers described in [20] |
| GA3ox2-qF2GA3ox2-qR2 | TGGTCCGAAGGTTTCACGGGTCGAGTCTGTATGG | *GA3ox2* RT-qPCR | Primers described in [20] |
| GA20ox1-qF2GA20ox1-qR2 | GATCCATCCTCCACTTTAGAGTGTATTCATGAGCGTCTGA | *GA20ox1* RT-qPCR | Primers described in [21] |
| GA20ox2-qF2GA20ox2-qR2 | AAAACCCGGTGAGAGTTGTGTAAGCCCAGAAGCTCCATGA | *GA20ox2* RT-qPCR | this work |
| GA2ox1-qF2GA2ox1-qR2 | TGAGGACGAGAGGTTGTACGATCCTTTCGAATTGTTGAAGCC | *GA2ox1* RT-qPCR | Primers described in [21]  |
| GA2ox2-qFGA2ox2-qR | GGAACACACAGACCCACAGATTGTATCGGCTAAGACCCTGTG | *GA2ox2* RT-qPCR | this work |
| GID1a-qFGID1a-qR | GTTTGGTGGGAATGAGAGAACG CTAAACGCCTCACTGTTCTTCC  | GID1a RT-qPCR | Primers described in [69] |
| GID1b-qFGID1b-qR | CATCCAGCATGTAATCCCTTTGG CACTTGTGGAAACTGTACACAACC  | GID1b RT-qPCR | Primers described in [69] |
| GID1c-qFGID1c-qR | ATGATGATGGATGGGCTGTTTTCGGTCCCTCCAAACATAG | GID1c RT-qPCR | this work |
| SCL3-qF SCL3-qR  | ATTATGCGATGTTGCAGG ATTACACCCACACCAGAC  | *SCL3* RT-qPCR | Primers described in [58] |
| OFP16-qF2OFP16-qR2 | TCTTCCTCCACCACAACCACTCATTCTCTTGACCGGGGTTCTGG | *OFP16* RT-qPCR | this work |
| EXP5-qFEXP5-qR | AGAGAAGTGGTGGGATAAGGTTCAACAAACGACAGACTTTGACCAT | *EXP5* RT-qPCR | this work |
| CYS2-qFCYS2-qR | AGGTTTTCTGGTGATCGCTGTCTGGATTCGAAATTGCCGTGTCTG | *CYS2* RT-qPCR | this work |
| LTP2-qFLTP2-qR | GAACGCGCTTATGAGTTGTGCTTTAGCGGCAGATTGAAGG | *LTP2* RT-qPCR | this work |
| **Primers used for ChIP** |
| GA3ox1A2-FGA3ox1A2-R | TGAATTTGGATCATGAAGACGAGCGCAAGAGGCGTATAGAA | GA3ox1-d ChIP-PCR and ChIP-qPCR  | Amplifies region 1490 -1268 upstream from ATG |
| 3ox1 –C-F | gacaacccatcatgtgtatgtatcCATATGTTAAAGCACTTGTTTTGGT | GA3ox1-p ChIP-qPCR | Amplifies region 1490 -1268 upstream from ATG; primers described in [70]  |
| SCL3-900-F2SCL3-900-R2 | TAATGCCAAATGGGTTCATTGGCTAATGTTGCATTTTCATTTTC | SCL3-d ChIP-PCR and ChIP-qPCR | Amplifies region 1096-892 upstream from ATG; |
| SCL3-5UTR2-FSCL3-5UTR2-R | TCTCTGCAAACCCTAGTTCCTCTGAAGGCCAAAAGCTTGATT | SCL3-p ChIP-qPCR | Amplifies region 194-2 upstream from ATG; |
| PP2A-Prom-FPP2A-Prom-R  | ttccgatattttctgaggaagaaggggcctgtcaaagataagaactaa | PP2A ChIP-qPCR | Amplifies region 600 -454 upstream from ATG |
| ChIP-2S2u-FChIP-2S2u-R | CACATACCACACCTCATCGTG CCATTTGTCTCTACGCATTTGA  | *2S2-u* ChIP PCR | Amplifies target sequence for *BRM* as described previously [12] |
| 18S-F18S-R | ATACGTGCAACAAACCCCTACCTCCCCGTGTCA | *18S* rDNA ChIP PCR | Primers described in [58] |