

Supplemental Table III. T-DNA Mutant Screens, Genotyping and qPCR Primers

Primer	Sequence	Used for	Notes
201 208	5' CAGCTAAGCATCCGATTTGC 5' TCACATAGAGAAGTCACATG	<i>RGA</i> genotyping	0.8 kb PCR product
244 LB	5' ATGGC(G/T)GA(G/T)GTTGCT(T/C) (T/A)GAAACTCGA(A/G)CA 5' GGCAATCAGCTGTTGCCCGT CTCACTGGTG	<i>rga-28</i> genotyping	0.5 kb PCR product
214 243	5' ATGATCCATGGGACCTCTTCCGGCG AGTTCTAA 5' CGTCGAGAGTTTCCAAGCGGAGGTG GTAAT	confirming absence of <i>RGA</i> transcript in <i>rga-28</i> by RT-PCR	1.4 kb PCR product
254 255	5' AGAAGCAATCCAGCAGA 5' GTGACTCTCTTCTTACCTC	<i>RGA</i> qPCR	286 bp PCR product
353 352	5' GGTTCCTGGTGATGGAATCTCGA 5' TTATTCCACACGATTGATTCGCCA	<i>RGL1</i> genotyping	1.5 kb PCR product
355 RB	5' ATGGC(A/T)GA(A/T/C)GT(A/T/G)GCA CA(G/C)AAG CTTGAACA 5' TGATAGTGACCTTAGGCGACT TTTGAACGC	<i>rgl1-2</i> genotyping	1.4 kb PCR product
353 352	see above	confirming absence of <i>RGL1</i> transcript in <i>rgl1-2</i> by RT-PCR	1.5 kb PCR product
357 358	5' CATCAATGACGACGGT 5' GTACTCTGAGTCAGGCTT	<i>RGL1</i> qPCR	260 bp PCR product
360 361	5' TGCGGTACCATGAAGAGAGGAT ACGGAG 5' ATCGGTACCGCCGCGACTCAGG	<i>RGL2</i> genotyping	1.5 kb PCR product
355 LB	see above	<i>rgl2-13</i> genotyping	1 kb PCR product
362 361	5' GTTCTACTGTCTTAAACGACTCTGTT CATT see above	confirming absence of <i>RGL2</i> transcript in <i>rgl2-13</i> by RT-PCR	1.4 kb PCR product
364 365	5' CAAAACCACTACCAGC 5' TCCACACAACCTCGGG	<i>RGL2</i> qPCR (cDNA as a template)	326 bp PCR product
366 367	5' ACCAAAACCACTACCAGC 5' GTCGTTTAAGACAGTAGAACCA	<i>RGL2</i> qRT-PCR (RNA as a template)	220 bp PCR product
RGL2-3 RGL2-4	5' ACGCCATGGAGATGAAGAGAGGA TACGGAGA 5' ACGCAGATCTCAGGCGAGTTTCCAC GCCGA	Gal4 AD-RGL2	5' and 3' primers for amplifying <i>RGL2</i> and cloning into pACTII
371 374	5' GTTACATACACATGTTCTCTCGT TCTCGA 5' ATTGCCTCTTCTAGTAATGCCTTC AATGAC	<i>RGL3</i> genotyping	1.5 kb PCR product
374 LB	see above	<i>rgl3-3</i> genotyping	0.3 kb PCR product
374 373	see above 5' ATCGGTACCTTTATGACGACGTATC TAC	confirming absence of <i>RGL3</i> transcript in <i>rgl3-3</i> by RT-PCR	1.4 kb PCR product
378 379	5' CAATGATATTGCCTCTTCTAG 5' CTGAGTCACACCAAGGA	<i>RGL3</i> qPCR	224 bp PCR product

380	5' AACAGATCTCGATGAAACGAAG CCATCAA	Gal4 AD-RGL3	5' and 3' primers for amplifying <i>RGL3</i> and cloning into pACTII
381	5' AACTAGATCTTTATGACGACGTATC TAC		
305	5' CACACGACCGCTCATAG	<i>GAI</i> qPCR	250 bp PCR product
306	5' TGCCTATCCAATTTACCCTC		
5'GA4BamHI	5'-CGCGGATCCGTGTTTAGAGGCCAT CCCATTAC	<i>GA3ox1</i> RT-PCR (for checking genomic DNA contamination)	genomic DNA: 1.6 kb PCR product cDNA: 1.1 kb PCR product
3'GA4SalI	5'-ACGCGTCGACCAAACAAATCATAT TGCTGAAATC		
ubq11-3Frt	5' GCAGATTTTCGTAAAACC	<i>UBQ11</i> qPCR (cDNA as a template)	167 bp PCR product
ubq11-4Rrt	5' CCAAAGTTCTGCCGTCC		
ubq11Frt-2	5'-CTTGGTTCTCAGGCTCC	<i>UBQ11</i> qRT-PCR (RNA as a template)	232 bp PCR product
ubq11Rrt-2	5'-CAAATGAAGCGTAGACTCC		
At18SFrt	5'-ATACGTGCAACAAACCC	<i>18S</i> rRNA qRT-PCR	301 bp PCR product
At18SRrt	5'-CTACCTCCCCGTGTC		