

Appendix 1: Primer combinations used to amplify and sequence *RPGR* or *RP2* exons including flanking intronic regions.

Name	Forward primer	Reverse primer	Comment	Size (bp)
RPGR exon 1	gggtcggagtagctgcttta	gggcctgtccccctacag	60°C annealing	171
RPGR exon 2	gttattttaataacaggcaacatag	acacagcagcatatctataacaa	58°C annealing	217
RPGR exon 3	tgacctcatcttacattatgtgaa	tgacattaagaactacacagtca	58°C annealing	181
RPGR exon 4	cattftcctggactactgttca	ctggaatgagacctcagttct	58°C annealing	146
RPGR exon 5	ggactctatagctattgacgtt	aggaatgtgtcccagactgaa	58°C annealing	193
RPGR exon 6	gcttcagagcctggctacct	acaacatagaagtgggagataac	60°C annealing	213
RPGR exon 7	caaatgtattaaagtgatcctgtc	gtagttctcatagattcttacca	58°C annealing	332
RPGR exon 8	gtgtctgtccataatccttg	tgtaataaaatataaccagttctata	58°C annealing	210
RPGR exon 9	atagatccatacaagtaacacttt	tctatgaataactgaaagactca	58°C annealing	202
RPGR exon 10	tgaagccaatgttgatgagttt	cagtgtcagataataactattatac	58°C annealing	227
RPGR exon 11	caacttttaggaaagtattatcaat	aagcacttattctctgagagc	58°C annealing	241
RPGR exon 12	gtccagttgccttcacttttc	cacacattcacatacaaatgaac	58°C annealing	178
RPGR exon 13	ggcaattgagagcggattct	tcagaacaaggcaaaatgga	60°C annealing	363
RPGR exon 14	tgattctcctaaactataaaaat	cctctccatcaggtgtcagc	58°C annealing	300
RPGR exon 15	aatccatggcaaatgatatttta	acctctcacaggttccatccc	58°C annealing	275
RPGR exon 15a	gatggttctagtccaagaatg	catagcactcacagactaagcaca	58°C annealing	133
ORF15 (F3 / R6)	gactaaaccataatatccaatcca	gccaaaaattaccagtgctcctat	60°C annealing	1953
ORF15-R7b	ccttctctctctccccctca	-	sequencing primer	-
ORF15-R8b	tecttctctcttccccctcca	-	sequencing primer	-
ORF15-R9	ccctgtgtgtagtaactgac	-	sequencing primer	-
ORF15-R5	actggccataatcgggtcacat	-	sequencing primer	-
ORF15-R4	ctctctctctcttttcac	-	sequencing primer	-
ORF15-F10	ggaaatgggaaagagcagaggtc	-	sequencing primer	-
ORF15-15a-R10	ORF15-F10	ctggtaaaaatataaaatgagaggtcc	long-range PCR	-
RP2 exon 1	ggggttcccagggttcac	tatccgcgttcaagagagtg	58°C annealing	301
RP2 exon 2 (5' part)	ctggcagccaatagtccttt	tttgaggagactcaatgatgg	58°C annealing	401
RP2 exon 2 (3' part)	ttccggaaatgcagagatt	tgagggttgctgtatttcc	58°C annealing	575
RP2 exon 3	tcagtgtgctgtttgcat	caaatgagaaagagaaggcaatg	58°C annealing	330
RP2 exon 4	ccctcaagaagatgctgga	tccaagcaacattagggaca	58°C annealing	294
RP2 exon 5	ctgtggagaacatgggcttt	aaaccattgctaatacacaaaagtg	58°C annealing	251
RP2 exon 5	ctgaagtacttgttactgatt	-	sequencing primer	-