

Table S1. Conditions for PCR amplifications.

Target, use ^a	Primer name	Primer 5'-3' nucleotide sequence	Annealing temperature (°C)	Extension time (min)	Mg ²⁺ final concentration (mM)	PCR product size (bp)
Pj matMc ORF, cloning ^b	pjmatMcstaSAL pjmatMcendBAM	CCCCCGTCGACATGCATGCACAGTTAGAATTC CGCGGGATCCTCATACCCACAGTGGGGCTG	58	1	3	777
Pj matMi ORF, cloning	pjmatMistaSAL pjmatMiendBAM	CCCCCGTCGACATGCTTCCAGTATGTTTTGTTC CGCGGGATCCTCAATGTGGCTCAGTAGAATATAC	55	1	3	234
Pj matPi ORF, cloning	pjmatPistaSAL pjmatPiendBAM	CCCCCGTCGACATGTTGTCTATTGGGTCATTAG CGCGGGATCCTTATTCCGAATTGGAAAACAC	55	1	3	718
Pc matMc ORF, cloning	pcmatMcstaSAL pcmatMcendBAM	CCCCCGTCGACATGCCATATGCACATCTTG CCCCGGGATCCTTAGCCCAAAGTCCCGTAG	56	1	3	720
Pc matMi ORF, cloning	pcmatMistaSAL pcmatMiendBAM	CCCCCGTCGACATGAATGTTCTTAACCATTTG CGCGGGATCCTTAGAAGGAAAACCAATGG	56	1	3	237
Pc matPi ORF, cloning	pcmatPistaSAL pcmatPiendBAM	CCCCCGTCGACATGTCAGAGGAGGTATATG CGCGGGATCCTTATTGAGAATTAGCGAATACC	58	1	3	715
Pj matMc ORF, first round	pjmatMcstart pjmatMcend	ATGCATGCACAGTTAGAATTC TCATACCCACAGTGGGGCTG	58	1	3	755
Pj matMi ORF, first round	pjmatMistart pjmatMiend	ATGCTTCCAGTATGTTTTGTTC TCAATGTGGCTCAGTAGAATATAC	58	1	3	212
Pj matPi ORF, first round	pjmatPistar pjmatPiend	ATGTTGCTCATTGGGTCATTA TTATTCCGAATTGGAAAACAC	54	1	3	696
Pj matMc ORF, second round	pjmatMcstartNEST pjmatMcend	CTACCAAATGAAAACAGAAAC TCATACCCACAGTGGGGCTG	60	1	3	731
Pj matMi ORF, second round	pjmatMistartNEST pjmatMiend	GATAATTTTGCTAATAACGG TCAATGTGGCTCAGTAGAATATAC	54	1	3	189
Pj matPi ORF, second round	pjmatPistartNEST pjmatPiend	TGTTTCATGTATGGATTGAG TTATTCCGAATTGGAAAACAC	54	1	3	673
Pj MAT locus	pjmatPiend pjmatMiend	TTATTCCGAATTGGAAAACAC TCAATGTGGCTCAGTAGAATATAC	52	11	1.75	10157
Pj MAT locus, PCR1	pjmatPiend pjMat-intrev1	TTATTCCGAATTGGAAAACAC AATAACCTTCCTGTGCGG	54	4	3	3796
Pj MAT locus, PCR2	pjMat-intfor2 pjMat-intrev2	CACCAAATTTAGTTAGCAGAG GTCACCATTTGGACCATC	54	4	3	3491
Pj MAT locus, PCR2	pjMat-intfor3 pjmatMiend	CATCGTGATATGGATTCTGC TCAATGTGGCTCAGTAGAATATAC	54	4	3	3082
Pj β-tubulin region	44	TCATTAGGTGGTGGAAACGGG	56	0.5	3	289/
Surrounding intron no.6	45	ATCACCATATCCTGGATCCG				241 no intron

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^b Restriction sites are underlined.