

附录 1 本研究所用的 31 对引物序列的详细信息和多重 PCR 反应体系分组

Appendix 1 Detailed information of 31 microsatellite primer pairs and multiplex PCR reaction group in this study

引物名称 Primer name	引物序列 Primer pair sequence (5'-3')	重复序列 Repeat motif	大小范围 Size range (bp)	退火温度 Annealing temperature (°C)	参考文献 Reference	染料类型 Dye type	多重体系 Multiplex
JR02	F: GTTGGGCTGCCAGAGATTCT R: ACGCTTCATTGGTAAACGAACG	(TTC) ₇	141–168	56	未发表 Unpublished	HEX	M3
JR03	F: ATACGGATCTGATGGCATGG R: AGACAGCAATATCCACCCTT	(GAC) ₆	235–268	56.7	未发表 Unpublished	HEX	M1
JR04	F: TGTTCTACCATTGCTCCGAA R: ACACCTAGTTAGGAGCTGGA	(TCA) ₆	348–381	57	未发表 Unpublished	FAM	M4
JR05	F: GTCGCAAGCTCAGCAAATAA R: TGTATGTATGGGAGGGGGAT	(AAAG) ₈	194–214	57	未发表 Unpublished	HEX	M2
JR06	F: TTGGAGCCCAATCAAGGATT R: CACACAGAAAAGACCAGCAG	(ACAG) ₅	299–319	57	未发表 Unpublished	HEX	M3
JR07	F: TCTTAAGAAGAGCCAATCGC R: GCTGTGTACCTCTTAGGGTT	(ACCA) ₅	303–330	56.1	未发表 Unpublished	FAM	M2
JR08	F: ACTCCTGTCACTTGTATGCC R: CCCGAGACATCAGAACCTTT	(CACG) ₅	329–359	57.2	未发表 Unpublished	FAM	M3
JR09	F: ATCACCTGATGTGGAAGCAA R: CCATAGGACCCATAACGTGA	(GAGGA) ₅	359–394	56.8	未发表 Unpublished	TAMRA	M5
JR10	F: TGGGAAGGGATTTCGTGTTGT R: TAAGGACGCCCATTTGCCATT	(TCTGA) ₅	195–215	56	未发表 Unpublished	TAMRA	M4
JR11	F: AGCTAGCTCTCAAACAACAAGC R: ACAAACATGGCAACCTTCGTG	(GCAGTA) ₈	140–164	53	未发表 Unpublished	FAM	M2
JR12	F: GCCTCTCCTCGTGCTCATTT	(GAA) ₁₈	212–230	56	未发表 Unpublished	TAMRA	M3

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JS02	R: ACTCGCTACTTTTCAGGCC F: CAACTCTGTGATTGCATGGG	(AAAG) ₈	383-411	57	Xu et al, 2020	HEX	M5
JS03	R: GGTAACTCTCATCGCTAGGG F: TGACGAGGTTTACCAGATGGG	(GAA) ₅	90-105	58	Xu et al, 2020	TAMRA	M2
JS04	R: CGTTCTTCTTTCAGAGTGCTGTT F: CATACATATGTGGGTGGCCT	(GAA) ₆	349-367	56.8	Xu et al, 2020	TAMRA	M2
JS05	R: TCCCTCTCTCTTCCCTTT F: CGGCATTACAGTCGGCAGTA	(GAA) ₁₀	93-120	57	Xu et al, 2020	TAMRA	M3
JS06	R: ACAATTCCCGTGCTGCATCT F: CCCTGCATGCAATCAATCACA	(AGT) ₅	96-111	55	Xu et al, 2020	TAMRA	M4
JS07	R: ATGGGACGAGTGATGGACTC F: ACCAGCAGTCCATGTACGG	(GAG) ₉	111-132	57	Xu et al, 2020	HEX	M2
JS09	R: GCTCATGCCATTATCTGCTTCG F: TTCGACCGGTTTCCAGTTA	(TTC) ₇	116-131	56	Xu et al, 2020	FAM	M1
JS12	R: CCAGACTCACGGTCAGTTCC F: TCAACATTGGCGAGGTGACA	(TTA) ₇	128-155	55	Xu et al, 2020	TAMRA	M1
JS13	R: AGGCAAGTCTACTTCTTCCCT F: TCTTGTCAGCATACTAAGCTTGTT	(TTCT) ₅	129-158	56	Xu et al, 2020	HEX	M5
JS14	R: ACTAACTGCATATAGGATCAACCA F: CACATCGAGTGTTC AAGTGACA	(TGC) ₆	134-149	57	Xu et al, 2020	FAM	M4
JS15	R: TGCACATGAGGAATTAAGTCTT F: ATCTCCGTGACTCCGCTCCT	(TTG) ₅	352-377	60	Xu et al, 2020	TAMRA	M3
	R:ACCCGCCACCATCTTCATCTACCAA						

引物名称 Primer name	引物序列 Primer pair sequence (5'-3')	重复序列 Repeat motif	大小范围 Size range (bp)	退火温度 Annealing temperature (°C)	参考文献 Reference	染料类型 Dye type	多重体系 Multiplex
JS22	F:AAAGTTGCTCCTCAGCTTGG R:TAATTAGCAATGAACAGATGGTGG	(ATC) ₇	266–293	56	Xu et al, 2020	FAM	M4
JS28	L:AAAGGGTGAAGGAAGAAATTAGGAT R:CCAAATTAAGCCAAACATGGTTGC	(AAGAG) ₅	316–332	57	Xu et al, 2020	HEX	M5
BFU-Jr277	F:TATTCACCCGGAGGTTTCAG R:CCGAAGCCAGTCGAGTTATC	(GAT) ₁₀	235–250	61	Zhang et al, 2013	FAM	M3
BFU-Jr38	F:AGCTCCTCAAGCAAGGCTTA R:GTGCATGGAACCACACTCAG	(GAT) ₁₃	127–145	60	Zhang et al, 2013	FAM	M3
CUJRD102	F-GACAGCAGCCTTATTTTGTAAAC R-TTCGTCCTCTTCTTCTTCAAC	(GAG) ₈	169–184	53	Top qi et al, 2015	HEX	M4
CUJRD462	F-TGCTCATTTTCATCCACTATC R-ACTTCCTCTCCTTCTCTTTC	(GAA) ₈	250–268	55	Top qi et al, 2015	HEX	M2
JM5446	F-ATGCATGCAGCTCCTACCTC R-GGACGTGTCCTGGGTTTCA	(CTAG) ₅	221–249	56	Hu et al, 2016	HEX	M3
SSR18	F:GGAAAGGGATTTGAGGAGAGAT R:GAAGAGGAGGAAGAAGAGGAGG	(TTC) ₈	297–303	60	Huang et al, 2013	TAMRA	M5
ZMZ7	F:GAACAAATAGACCAGGCACG R:TAACGACAACCGATGAAACC	(TCC) ₇	215–236	56	Qi et al, 2009	TAMRA	M1

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