

Transferable polymorphic microsatellite markers from *Capsicum annuum* to *Capsicum baccatum*

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Supplementary Table 1. Utilized microsatellite markers, repeating type, pair sequence primers, optimal annealing temperature, linkage group obtained in our work, linkage group obtained by Minamiyama et al. (2006), and expected product (bp) size.

Linkage map numeration	Reiteration	“Forward” (5’-3’)	“Reverse” (5’-3’)	Optimal annealing temperature	Linkage group	Linkage group (Minamiyama et al., 2006)	Expected product (bp) size
CAMS-351	(tg) ₃ ...(ag) ₂₆	cgcatgaagcaaatgtacca	acctgcagtttgttggga	55°C	4	4	206
CAMS-352-2	(ag) ₈ ...(ag) ₃	gctccttatgtggtggagga	caccttctgactttggctga	55°C	4	4	240
CAMS-163	(at) ₇ (gt) ₁₄	tccatatagcccgtgtgtga	gcgtgggaataacaatgctaga	62°C	4	5	250
CAMS-173	(cata) ₇ ...(ac) ₄	caaccgccagtagacaggtt	gtgcgtgtgcgtgtgttat	55°C	4	4	169
CAMS-190	(ta) ₈ (tg) ₁₁ ...(ata) ₃	ttctgcagtgttaccaatattca	cccatgggtcctacctcag	62°C	5	5	212
CAMS-191	(ac) ₁₀ a(ta) ₄	cccgaatccaagtcattgag	taaatccggttccttct	62°C	5	3	224

CAMS-070	(gt) ₃ ...(tct) ₃ (ac) ₁₆ (ac) ₃	ccctgaactgtcctccaaa	gggtatggggtgtaggtgtg	55°C	6	6	248
CAMS-024	(tg) ₁₄ tt(tg) ₃	tgttgaggcttgggaaaaac	caagataatgggtagaaaggcaac	60°C	8	8	219
CAMS-090	(ca) ₃ a(ac) ₁₅	tcgctcaaagcacatcaaag	cttgattgttcttccactgctg	62°C	8	8	243

Cont. Supplementary Table 1

Linkage map numeration	Reiteration	“Forward” (5’-3’)	“Reverse” (5’-3’)	Optimal annealing temperature	Linkage group	Linkage group (Minamiyama et al., 2006)	Expected product (bp) size
CAMS-040	(ta) ₄ tg(ta) ₄ ...(tg) ₁₀	tatagcctgtgggtgccttc	tggggtgaacaatagcatgt	55°C	3	3	248
CAMS-142	(ta) ₃ ...(ac) ₇ (ac) ₁₂ (ta) ₈	gagcgttaagtggcatagg	ctacaacgccccaaaacaat	55°C	1	7	241
CAMS-177	(ta) ₄ tg(ta) ₄ (tg) ₁₁	attcttaccctgcctgtg	ctcaggagatgtcccacgat	55°C	6	2	229
CAMS-378	(tc) ₆ ...(tc) ₄ ...(ct) ₃	gaaatcgacgcgtttctagc	tgtggggagagagaggaaga	55°C	1	1	168
CAMS-227	(tgg) ₃ ...(tg) ₈	ttgtcctttaattcacctttga	gcatcaaaaataaggataaagttatgg	60°C	5	5	296
CAMS-207-2	(ac) ₄ at(ac) ₈ (at) ₃	ctcacgagccacttgaacac	gccttgttctatcccaac	55°C	5	5	243
CAMS-199	(ta) ₃ (tg) ₉ ...(ta) ₃	ccctacctggcatgtgata	tgcattgcatgggatataa	62°C	1	5	188

CAMS-373	(ag) ₈	ggttgatgggccatgttcaa	cctcctaccctatccccaag	55°C	12	12	230
CAMS-450	(tct) ₃ ...(tct) ₄ a(tct)	ccttcttctttgccaccttc	tagcagcagctgatggagaa	58°C	5	5	220
CAMS-324	(tc) ₄ ...(tc) ₉ ...(tc) ₃	aacttgatccaacggctgag	tcgaaggagagaaacgggtg	58°C	7	7	172

Cont. Supplementary Table 1

Linkage map numeration	Reiteration	“Forward” (5'-3')	“Reverse” (5'-3')	Optimal annealing temperature	Linkage group	Linkage group (Minamiyama et al., 2006)	Expected product (bp) size
CAMS-478	(ag) ₁₂	gagtgccatgctgattaagga	cacgactgtcttgccctgaac	55°C	3	3	248
CAMS-679	(tat) ₁₆	tttgc atgttttaccattcc	atgtgaaacacataggtagcactga	55°C	1	1	200
CAMS-456	(tc) ₁₀	atggagctggggctaaaaat	gctcagcaaattgaggagaag	55°C	2	1	153
CAMS-301	(tg) ₆ tt(ag) ₁₂	ctgtccatgcttgtgatgct	tgatttgcctcgtttgag	55°C	8	8	180
CAMS-610	(taa) ₅ ...(taa) ₁₁	ttgggacatgacaattctgc	aaacgtacattaggtatccggtta	55°C	1	1	207
CAMS-885	(gaa) ₂₈	aacgaaaaacaaaccaatca	ttgaaattgctgaaactctgaa	60°C	2	2	248
CAMS-492	(tc) ₆ ...(ac) ₄ (tc) ₄	gttcaaacactccccctca	tgtcatcgttggctgttacc	55°C	1	12	250
CAMS-679	(tat) ₁₆	tttgc atgttttaccattcc	atgtgaaacacataggtagcactga	63°C	1	1	200

CAMS-020	(tg) ₉ ...(tg) ₇	cagcagtaacagaggcaggtc	cacaagtgagtttattcatatcacca	55°C	12	5	171
CAMS-644	(tg) ₃ ...(ag) ₂₆	cgcataagcaaatgtacca	acctgcagtttgtgtgga	55°C	4	4	206

Cont. Supplementary Table 1

Linkage map numeration	Reiteration	“Forward” (5'-3')	“Reverse” (5'-3')	Optimal annealing temperature	Linkage group	Linkage group (Minamiyama et al., 2006)	Expected product (bp) size
CAMS-236	(ac) _{14a} (ta) ₁₀	ttgtagtttgcgtaccatttga	atgaatccagggtccacaa	55°C	2	7	191
CAMS-224-2	(ta) ₅ (tg) ₁₂	tctctgctccaaaatggtga	gtgcgaaccactttgaaat	55°C	1	1	201
CAMS-095	(ca) ₃ ..(ca) ₉ .(ac) ₅ at(ac) ₉ (at) ₆ g(ta) ₃	cgctagcatgacactcaagg	aaacggcaaggctacacatc	60°C	5	1	228
CAMS-201	(ta) ₇ (tg) _{15ta} (tg) ₄ ... (ta) ₃	ggttattggttggttcattttt	ttggactaaatggtgatacagagaaa	55°C	9	9	201
CAMS-063-2 _{NM}	(tc) ₆ ...(ac) ₄ ...(tc)	ccactctccaaaagcaaacc	tgtttgccactgtatgtgtctg	55°C	-	2	213
CAMS-075 ^{NM}	(tg) ₁₀	actaattacacattctgca ttttctc	aggctcagtagccacgaaga	55°C	-	5	190
CAMS-089 ^{NM}	(tc) ₁₉	aacagcgctgatcctttacc	caacatcacagtgccagaaga	55°C	-	11	221
CAMS-117 ^{NM}	(tg) ₂₁ (ta) ₃	ttgtggaggaaacaagcaaa	cctcagcccaggagacataa	55°C	-	11	223

CAMS-122 ^{NM}	(ta) ₃ t(ac) ₈ ...(ac) ₃	catccacgtgcatagtcagg	ttctaagtgtgaaattatgggatt	60°C	-	5	178
CAMS-153 ^{NM}	(ta) ₇ (tg) ₁₄ cg(tg) ₆	tgcacaaatatgaatccaaga	aagtcagcaaacacatctgacaa	62°C	-	6	243
CAMS-162 ^{NM}	(ta) ₇ (tg) ₇ ta(tg) ₆	ggaccgttcaggaggttaca	gccatcattcaaaccgaat	55°C	-	1	210
CAMS-194 ^{NM}	(ta) ₇ ..(tg) ₁₁ aa(tg) ₃	tcatggaaaattaacaacg cata	gggggttgagaagaaagt	55°C	-	1	245

Cont. Supplementary Table 1

Linkage map numeration	Reiteration	“Forward” (5′-3′)	“Reverse” (5′-3′)	Optimal annealing temperature	Linkage group	Linkage group (Minamiyama et al., 2006)	Expected product (bp) size
CAMS-237 ^{NM}	(ta) ₆ (tg) ₁₃	ccttcccttgaaattgatattttac	tcccctatcactcacatctgc	60°C	-	2	221
CAMS-330 ^{NM}	(ct) ₃ ...(tc) ₁₂	ggctaccgccttctgactta	ttcgtatctgggtgtcaaa	55°C	-	4	208
CAMS-336 ^{NM}	(tc) ₁₆	ggtggaaacttgcttgaga	cccagaaccatccacactact	55°C	-	3	157
CAMS-361 ^{NM}	(ga) ₇	ttggtgtggttaggggagag	ggcgttcgaacttgtaa	55°C	-	4	207
CAMS-454 ^{NM}	(ct) ₃ ...(tc) ₄ c(ct)	gagcctcttaatgtatctgaaaaca	aattttggtgaatgcacct	55°C	-	9	243
CAMS-494 ^{NM}	(ag) ₇ ...(ag) ₃	ggtaggtgaggaccacaga	aactatacccccgctgctct	55°C	-	4	247
CAMS-647 ^{NM}	(tat) ₆ tg(tta) ₃ ...(tat) ₂₁	cggattcggttgagtcgata	gtgctttggtcggtctttc	55°C	-	3	221
CAMS-684 ^{NM}	(tat) ₄ (taa) ₇ ...(taa) ₁₀	cagggtgagccaacatag	tcaagactactaggtcgtggaatg	55°C	-	6	232

CAMS-806 ^{NM}	(aga) ₁₉	gtcacaaagtgtcaaggtaggag	ccccaaaatttcctcat	55°C	-	10	227
CAMS-826 ^{NM}	(gaa) ₆ ga(gga)	cttgatctcaagaaccagctaaa	tgtacattgaagacacggaagaa	55°C	-	8	244
CAMS-864 ^{NM}	(aga) ₃₂	ctgtgtggaagaagaggaca	gcttcttttcaacctctct	55°C	-	7	222
CAMS-891 ^{NM}	(gaa) ₈	ctccgagaaggatgtcagga	actgagcgactgatgcctct	55°C	-	6	204

NM - Non Mapped markers.