

Appendix 1.

DNA Extraction (GF-1 Tissue Extraction Kit, Vivantis, Malaysia)

Total genomic DNA was extracted following a modified version of the protocol outlined by GF-1 Tissue Extraction Kit (Vivantis, Malaysia) User Guide.

Extraction Protocol

Approximately 10 – 20 mg of tissue was abscised from the samples using standard dissection equipment (scalpel and forceps). Equipment was washed in 70% ethanol and cleaned two times between dissecting each sample to minimise cross contamination.

The tissue sample was placed directly in a 1.5 mL eppendorf tube with 250 μ L of Buffer TL and 20 μ L of Proteinase K (20 mg/mL) added into the tube. The sample mixture was mixed thoroughly by pulsed vortexing in order to obtain a homogeneous solution. 12 μ L of Lysis Enhancer was added and immediately mixed into the sample. The samples were left to incubate overnight in a 65 °C waterbath (tubes were inverted gently several times at intermittent intervals to mix the solutions) to ensure thorough digestion and homogenisation of samples.

The following day, 20 μ L of RNase A (20 mg/mL) were added to samples and gently mixed (inversion of tubes) prior to incubation at 37 °C for 10 min. 600 μ L of Buffer TB was added and the solutions were mixed thoroughly by pulsed-vortexing until a homogeneous solution is obtained. The samples were then incubated in a

waterbath for 10 minutes at 65 °C. Subsequently, 200 µL of absolute ethanol (100%) was added before being mixed immediately and thoroughly by pulsed vortexing to prevent uneven precipitation of nucleic acid.

Approximately 600 µL of the sample solution was transferred into a column assembled in a clean collection tube and spun at 5 000 x *g* for 1 min, after which the flow through was discarded. The remaining sample solution was then processed in the same manner. In order to obtain maximum yield, the orientation of the column was fixed during centrifugation at all times.

The columns were then washed with 750 µL of Wash Buffer and spun at 5 000 x *g* for 1 minute. The flow through was discarded and the column washing process was repeated once again. The columns were spun at 10 000 x *g* for 1 min to remove all traces of ethanol. Next, each column was placed into a clean sterile 1.5 mL eppendorf tube before the addition of 120 µL of preheated Elution Buffer directly onto column membrane. The tubes were left to stand at room temperature for 2 hours and then spun at 5 000 x *g* for 1 minute to elute DNA. The eluted DNA was stored at -20 °C.

Appendix 2.

Microsatellite primers for *C. striata*. Locus name, primer sequences (5' to 3' direction), repeat motif and expected PCR product size for microsatellite loci screened in this study.

Primer	Repeat Motif	Forward primer sequence	Reverse primer sequence	Product Size (bp)
T113-11	(TCACT) ₂	CCCTGTATTTTCATTTCTCCA	ACCAACACTGCAATCTCTCT	296
	(CTTT) ₃	CCCTGTATTTTCATTTCTCCA	ACCAACACTGCAATCTCTCT	296
BP6-2	(AGAGG) ₂	AGAAGAAGAAGAAGCCGAGT	GAAAAACAGAGCAGGAACAC	223
	(AGTC) ₂	AGAAGAAGAAGAAGCCGAGT	GAAAAACAGAGCAGGAACAC	223
BP6-4	(GT) ₁₆	TCGAGCTGTGTTTAAGTGTG	GTTTCGTGTTGTTTTCCATCT	288
	(GCTT) ₂	TCGAGCTGTGTTTAAGTGTG	GTTTCGTGTTGTTTTCCATCT	288
PCT6-1	(ACA) ₄	GTGGGGAAATTCTTGAACAT	GATTTCAAGGCTGACAAAAG	165
PCT6-2	(ACT) ₅	CTTTTGTGTCAGCCTTGAAATC	GTTAGCTGGTGTGTCAGAGAGG	205
PCT6-3	(AGAGC) ₂	TGATGAGCTCGTTCCTTATT	CAAGACTCAAAGGAAAGGTG	174
PCT6-4	(CCTTT) ₂	TCTAACCCATAGAGCAGAGC	TGACGTACCTGATGACAGAA	283
PCT6-5	(CCTG) ₂	CACCTTTCCTTTGAGTCTTG	TGACGTACCTGATGACAGAA	242
PCT6-6	(CAGGTA) ₂	CACCTTTCCTTTGAGTCTTG	GAAAAGGATGAAGAGCAGAA	293
PCT6-7	(ATTC) ₂	TGGACGGGATAGATAGATA	CATCTGAGACCTGGAGTAGC	173
	(AAG) ₃	TGGACGGGATAGATAGATA	CATCTGAGACCTGGAGTAGC	173
PCT6-8	(TTAT) ₂	GGGGGATTTCATTCAAGAAG	ATCGCTACAACGCTATGATT	224
PCT6-9	(CGGAC) ₂	GCTGCAGCTGGAATATTAAC	TTTGTTCGGAACGGTTATAC	271
PCT6-10	(TTTA) ₂	GACTTACCCTCTCTCCTCGT	TATTAGCTTAACGTCGCACA	277
PCT6-11	(AAGTT) ₂	ACACAGTTTTGTCCATTTT	CTGCTGTGAAAAACAATCTC	289
PCT6-12	(ACAT) ₂	TGTGCGACGTTAAGCTAATA	GTTTGTGTATGCTTCTGTGTG	153

PCT6-13	(TATC)4	TGTGCGACGTTAAGCTAATA	CCAGATCTTTTTAGCGATAG	193
BP13-1	(CAGG)2	GAAAATCAAAGAGGCACATC	CCAAATCAGGAGTCTGAGAG	246
BP13-2	(AATG)2	CTCTCAGACTCCTGATTTGG	TTCAAACCTCTGGAGAGAAA	250
BP13-3	(GGAA)2	TTTCTCTCCAGGAGTTTGAA	TGTCACGTCTCATTGTCAGT	275
BP13-4	(AAAATA)2	TATCGAAAAGACTGGAAGGA	CAAAGACGTATCGGTTTCTC	157
BP13-5	(AC)6	TCTCTCTCTCTCTCTCTCTC	ATTCACTTCTGTTTACACC	239
BP13-6	(CA)10	CTCTCTCTAACACACACACC	ATTCACTTCTGTTTACACC	224
BP13-7	(AGAGG)2	GACAAACGCAGAGAAAAGAC	ATTCACTTCTGTTTACACC	154
BP13-8	(CAGC)2	GGTGTGAACAGGAAGTGAAT	CATTTGTGTGGTGTGTCATT	289
BP13-9	(CACAC)2	TATTACCCCGTTCAACCTTA	GACATTTCTTGGCCAGTTC	261
BP13-10	(TACA)2	CCAATGTCTGAAAGCAAAGT	TGAAGAGAATCGACTGAACC	264
BP13-11	(TCACTT)2	CCAATGTCTGAAAGCAAAGT	TGAAGAGAATCGACTGAACC	264
BP13-12	(TACTG)2	GCTGCTATGTGTGCTCTGTA	TTATCTCGCTCTTTCAAACC	299
	(GTTTG)2	GCTGCTATGTGTGCTCTGTA	TTATCTCGCTCTTTCAAACC	299
	(TGTT)2	GCTGCTATGTGTGCTCTGTA	TTATCTCGCTCTTTCAAACC	299
BP13-13	(ACCCAT)2	TTTGAAAGAGCGAGATAAAGG	AGAGAGAGAGAGCAGGAGGT	183
	(CTTT)2	TTTGAAAGAGCGAGATAAAGG	AGAGAGAGAGAGCAGGAGGT	183
BP13-14	(CT)13	TTTGAAAGAGCGAGATAAAGG	TAGAAACAAAATGGGGACAG	218
BP13-15	(GA)15	TAGAAACAAAATGGGGACAG	TTTGAAAGAGCGAGATAAAGG	222
BP13-16	(GAAA)2	AGAGAGAGAGAGCAGGAGGT	TTTGAAAGAGCGAGATAAAGG	183
	(ATGGGT)2	AGAGAGAGAGAGCAGGAGGT	TTTGAAAGAGCGAGATAAAGG	183
	(CCAC)2	AGAGAGAGAGAGCAGGAGGT	TTTGAAAGAGCGAGATAAAGG	183
BP13-17	(AAAC)2	TTATCTCGCTCTTTCAAACC	GCTGCTATGTGTGCTCTGTA	299
	(CAAAC)2	TTATCTCGCTCTTTCAAACC	GCTGCTATGTGTGCTCTGTA	299
	(TACAG)2	TTATCTCGCTCTTTCAAACC	GCTGCTATGTGTGCTCTGTA	299
BP13-18	(AAAGTG)2	TGAAGAGAATCGACTGAACC	CCAATGTCTGAAAGCAAAGT	264

	(TGTA)2	TGAAGAGAATCGACTGAACC	CCAATGTCTGAAAGCAAAGT	264
BP13-21	(ACACAT)2	GTCTCTCTCTCTCTTTTCG	TTTTCTCTCCCTCTTTTCCT	239
BP13-22	(GCTG)2	CTCTCTTTTCGCACACACATA	CTTTTCTCTCCCTCTTTTCC	232
	(GGAGA)2	CTCTCTTTTCGCACACACATA	CTTTTCTCTCCCTCTTTTCC	232
BP13-23	(GAGGA)2	CTCTCTTTTCGCACACACATA	TCCCTCTCTCTTTTCTCTCC	241
BP13-24	(GAGG)2	CTCTCTTTTCGCACACACATA	CATTTTACCTCCTCCCATC	262
BP13-25	(AC)7	CACAGACTTTCGAACACCTT	TTATAAAGCTGCTTCCCATC	211
	(TTTA)2	CACAGACTTTCGAACACCTT	TTATAAAGCTGCTTCCCATC	211
BP13-26	(ATCA)2	GGTTTTGTCCACTGTAAAGG	AATTCCACGTGAGTCAGTTC	240
	(AGTAA)2	GGTTTTGTCCACTGTAAAGG	AATTCCACGTGAGTCAGTTC	240
	(ACAT)2	GGTTTTGTCCACTGTAAAGG	AATTCCACGTGAGTCAGTTC	240
	(GTGA)2	GGTTTTGTCCACTGTAAAGG	AATTCCACGTGAGTCAGTTC	240
BP13-27	(TTAA)2	TAGTTCCTTTGCTTCTGGTT	TTCCTGACCAGTTGAGAAAC	224
BP13-28	(TTAA)2	AATCTCTGACCAAAAACAGC	TCTTCACTTTCCACTCATCC	266
BP13-29	(GGAC)2	CAACAGTGGAGAGGAAAAAC	CTGTCTCTGTCCTCAGGTGT	197
BP13-30	(CACT)2	TCTCTGTCTGTTTCCCTGTC	TGCTCCTGTGTGGTATATGA	233
BP13-31	(TACA)2	GTGGGAATAGGAGATGTTGA	TCTCCATTGTGTCTCACTCA	275
	(ATCC)2	GTGGGAATAGGAGATGTTGA	TCTCCATTGTGTCTCACTCA	275
	(CTCA)2	GTGGGAATAGGAGATGTTGA	TCTCCATTGTGTCTCACTCA	275
	(CCTTG)2	GTGGGAATAGGAGATGTTGA	TCTCCATTGTGTCTCACTCA	275
BP13-32	(TGAG)2	GTGGGAATAGGAGATGTTGA	TGATCAGTCTCTCCATTGTG	284
BP13-33	(TGT)3	TGTGTCTCTCTCTCTTTTGT	TTGTGCCACAGTGTATCTA	194
BP13-34	(AGGT)2	CTGTTGTTGTACCTGTGTCG	TTGTGCCACAGTGTATCTA	171
	(ACAG)2	CTGTTGTTGTACCTGTGTCG	TTGTGCCACAGTGTATCTA	171
BP13-35	(TATT)2	CTGTTGTTGTACCTGTGTCG	CTGGACCACCACGATATACT	271
BP13-36	(TTTAAA)2	CATTTGAAACGTGTTGTGTC	CTATCCGTGATGGTAGGTGT	299

	(CGCTG)2	CATTTGAAACGTGTTGTGTC	CTATCCGTGATGGTAGGTGT	299
BP13-37	(AAAG)2	CACCTTCAAGTGGGTCTTAG	GACTTCTTTACACCCAGACG	239
CS-2	(TG)12	GGTTAACTGCGGGTCAGAG	GGATGGGTCTAACCTGCCTA	103-131
CS-4	(CA)15	TCGCAGTTTATGTACCGACA	CTCCAGGGGAATTTACAGCA	146-202
CS-5	(CA)14	AAACCCAAAAGCCACACTTC	TGAAATAGAGCCTGTGACTGATG	137-197
CS-6	AC(20)-AT-AC(8)	ACTTGACAAAACCTGCCACA	ACTTGTTCTTGGTAGATGCCACT	122-172

Appendix 3.

Microsatellite allele frequencies for *C. striata* loci across wild and cultured populations; n is the number of individuals genotypes at each locus at each site, pop. refers to population.

PCT6-6	Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
Allele size (bp)	n	30	30	30	49	50	50
232		0.000	0.000	0.100	0.082	0.000	0.000
244		0.350	0.533	0.267	0.316	0.610	0.390
250		0.000	0.000	0.017	0.000	0.000	0.010
274		0.000	0.000	0.033	0.000	0.000	0.000
280		0.100	0.350	0.017	0.163	0.050	0.270
286		0.100	0.050	0.017	0.010	0.000	0.030
292		0.417	0.050	0.517	0.429	0.340	0.300
298		0.000	0.017	0.033	0.000	0.000	0.000
328		0.033	0.000	0.000	0.000	0.000	0.000

BP13-6	Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
Allele size (bp)	n	30	30	30	49	50	50
215		0.000	0.000	0.000	0.010	0.130	0.010
217		0.000	0.000	0.000	0.000	0.000	0.040
219		0.150	0.117	0.150	0.092	0.230	0.150
221		0.000	0.000	0.117	0.020	0.060	0.090
223		0.000	0.000	0.000	0.071	0.180	0.170
225		0.833	0.633	0.733	0.724	0.360	0.490
227		0.017	0.250	0.000	0.082	0.040	0.050

BP13-14	Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
Allele size (bp)	<i>n</i>	30	29	30	49	50	50
214		0.000	0.000	0.000	0.000	0.000	0.010
216		0.033	0.000	0.000	0.000	0.000	0.000
218		0.000	0.017	0.000	0.031	0.000	0.060
220		0.050	0.517	0.017	0.000	0.040	0.130
222		0.633	0.000	0.467	0.000	0.000	0.000
224		0.017	0.052	0.417	0.020	0.000	0.030
226		0.067	0.000	0.000	0.000	0.000	0.010
228		0.067	0.000	0.000	0.000	0.080	0.070
230		0.033	0.017	0.000	0.367	0.540	0.130
232		0.050	0.362	0.067	0.082	0.050	0.090
234		0.050	0.000	0.000	0.245	0.060	0.260
236		0.000	0.000	0.033	0.051	0.190	0.060
238		0.000	0.034	0.000	0.041	0.000	0.080
242		0.000	0.000	0.000	0.000	0.010	0.010
244		0.000	0.000	0.000	0.122	0.000	0.000
246		0.000	0.000	0.000	0.000	0.000	0.010
248		0.000	0.000	0.000	0.000	0.000	0.020
252		0.000	0.000	0.000	0.041	0.030	0.010
254		0.000	0.000	0.000	0.000	0.000	0.020

CS-4	Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
Allele size (bp)	<i>n</i>	30	30	30	49	50	50
140		0.000	0.000	0.000	0.000	0.010	0.000
142		0.000	0.000	0.033	0.010	0.020	0.000
144		0.000	0.000	0.000	0.000	0.020	0.010
146		0.033	0.000	0.000	0.051	0.010	0.040
148		0.000	0.000	0.000	0.010	0.000	0.000
150		0.000	0.017	0.000	0.000	0.040	0.000
152		0.017	0.000	0.000	0.153	0.080	0.150
154		0.000	0.117	0.117	0.133	0.080	0.110
156		0.933	0.867	0.683	0.082	0.320	0.170
158		0.000	0.000	0.000	0.265	0.030	0.130
160		0.000	0.000	0.000	0.214	0.030	0.170
162		0.017	0.000	0.150	0.020	0.110	0.090
164		0.000	0.000	0.000	0.051	0.000	0.090
166		0.000	0.000	0.000	0.000	0.000	0.030
168		0.000	0.000	0.000	0.000	0.100	0.000
170		0.000	0.000	0.000	0.000	0.150	0.010
174		0.000	0.000	0.017	0.010	0.000	0.000

CS-5	Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
Allele size (bp)	<i>n</i>	29	30	30	49	50	49
134		0.759	0.000	0.967	0.071	0.010	0.082
136		0.000	0.000	0.017	0.235	0.060	0.296
138		0.017	0.617	0.000	0.224	0.290	0.102
140		0.000	0.000	0.000	0.000	0.010	0.010
142		0.000	0.000	0.000	0.000	0.010	0.000
144		0.017	0.000	0.017	0.316	0.350	0.327
146		0.000	0.000	0.000	0.000	0.010	0.051
148		0.000	0.000	0.000	0.000	0.000	0.020
152		0.034	0.000	0.000	0.020	0.000	0.000
154		0.000	0.000	0.000	0.000	0.000	0.010
156		0.000	0.000	0.000	0.000	0.180	0.010
158		0.052	0.017	0.000	0.000	0.000	0.000
160		0.086	0.267	0.000	0.010	0.010	0.031
162		0.034	0.100	0.000	0.010	0.000	0.020
164		0.000	0.000	0.000	0.000	0.010	0.000
166		0.000	0.000	0.000	0.092	0.000	0.010
168		0.000	0.000	0.000	0.010	0.000	0.031
170		0.000	0.000	0.000	0.010	0.010	0.000
172		0.000	0.000	0.000	0.000	0.040	0.000
174		0.000	0.000	0.000	0.000	0.010	0.000

T113-11	Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
Allele size (bp)	<i>n</i>	30	30	30	49	50	50
267		0.000	0.000	0.000	0.000	0.010	0.000
271		0.000	0.000	0.000	0.000	0.010	0.010
275		0.000	0.000	0.000	0.020	0.000	0.030
279		0.000	0.000	0.000	0.000	0.000	0.020
283		0.000	0.000	0.000	0.010	0.000	0.000
287		0.000	0.000	0.000	0.031	0.030	0.050
291		0.167	0.483	0.200	0.051	0.450	0.120
295		0.783	0.467	0.533	0.816	0.480	0.690
299		0.050	0.050	0.267	0.061	0.020	0.080
303		0.000	0.000	0.000	0.010	0.000	0.000

BP6-2	Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
Allele size (bp)	<i>n</i>	30	30	30	49	50	50
158		0.000	0.000	0.000	0.092	0.030	0.000
198		0.000	0.000	0.000	0.000	0.030	0.040
203		0.000	0.000	0.000	0.020	0.000	0.010
208		0.000	0.000	0.000	0.020	0.020	0.010
213		0.300	0.383	0.700	0.724	0.190	0.610
218		0.233	0.183	0.067	0.000	0.000	0.020
223		0.467	0.433	0.233	0.133	0.730	0.310
233		0.000	0.000	0.000	0.010	0.000	0.000

BP6-4	Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
Allele size (bp)	<i>n</i>	30	30	30	49	50	50
254		0.000	0.000	0.000	0.010	0.000	0.000
256		0.017	0.000	0.017	0.000	0.000	0.000
262		0.017	0.000	0.000	0.102	0.060	0.120
264		0.067	0.367	0.200	0.408	0.080	0.170
266		0.017	0.017	0.017	0.000	0.000	0.020
268		0.017	0.000	0.017	0.020	0.000	0.000
270		0.000	0.000	0.000	0.000	0.000	0.010
272		0.000	0.000	0.033	0.000	0.000	0.000
274		0.050	0.000	0.000	0.112	0.090	0.150
276		0.050	0.000	0.283	0.133	0.160	0.210
278		0.200	0.000	0.133	0.031	0.010	0.070
280		0.033	0.033	0.033	0.010	0.000	0.000
282		0.000	0.000	0.000	0.041	0.000	0.040
284		0.000	0.017	0.033	0.000	0.000	0.020
286		0.033	0.483	0.000	0.000	0.220	0.010
288		0.433	0.017	0.150	0.041	0.000	0.030
290		0.050	0.000	0.050	0.041	0.010	0.080
292		0.000	0.000	0.000	0.020	0.010	0.040
294		0.000	0.050	0.000	0.020	0.360	0.030
296		0.017	0.017	0.033	0.000	0.000	0.000
298		0.000	0.000	0.000	0.010	0.000	0.000

Appendix 4.

Microsatellite genotype frequencies for *C. striata* loci across wild and cultured populations. Pop. refers to population.

PCT6-6						
	Genotype					
Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
	244/244 (1)	244/244 (4)	232/292 (6)	232/292 (8)	244/244 (14)	244/244 (1)
	244/280 (3)	244/280 (20)	244/274 (1)	244/244 (3)	244/280 (2)	244/280 (18)
	244/286 (2)	244/286 (2)	244/280 (1)	244/280 (7)	244/292 (31)	244/286 (1)
	244/292 (14)	244/292 (2)	244/292 (14)	244/292 (18)	280/292 (3)	244/292 (18)
	280/292 (3)	280/298 (1)	250/292 (1)	280/292 (9)		250/292 (1)
	286/286 (1)	286/292 (1)	274/292 (1)	286/292 (1)		280/292 (9)
	286/292 (2)		286/292 (1)	292/292 (3)		286/292 (2)
	292/292 (2)		292/292 (3)			
	292/328 (2)		292/298 (2)			

BP13-6						
	Genotype					
Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
	219/225 (9)	219/225 (7)	219/225 (9)	215/219 (1)	215/219 (13)	215/219 (1)
	225/225 (20)	225/225 (13)	221/225 (7)	219/223 (1)	219/223 (7)	217/221 (1)
	225/227 (1)	225/227 (5)	225/225 (14)	219/225 (7)	219/225 (3)	217/223 (2)
		227/227 (5)		221/225 (2)	221/225 (6)	217/225 (1)
				223/223 (1)	223/225 (11)	219/223 (6)
				223/225 (4)	225/225 (7)	219/225 (7)
				225/225 (25)	225/227 (2)	219/227 (1)
				225/227 (8)	227/227 (1)	221/223 (1)
						221/225 (7)
						223/225 (8)
						225/225 (11)
						225/227 (4)

BP13-14		Genotype				
Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
	216/222 (1)	218/220 (1)	220/222 (1)	218/230 (2)	220/220 (1)	214/232 (1)
	216/228 (1)	220/220 (10)	222/222 (4)	218/238 (1)	220/230 (2)	218/218 (2)
	220/222 (3)	220/224 (3)	222/224 (16)	224/232 (1)	228/230 (7)	218/234 (2)
	222/222 (14)	220/232 (6)	222/232 (3)	224/234 (1)	228/252 (1)	220/220 (4)
	222/226 (3)	230/232 (1)	224/224 (4)	230/230 (1)	230/230 (12)	220/228 (1)
	222/228 (1)	232/232 (6)	224/236 (1)	230/232 (1)	230/232 (1)	220/230 (1)
	222/230 (1)	232/238 (2)	232/236 (1)	230/234 (17)	230/234 (2)	220/234 (3)
	222/232 (1)			230/236 (2)	230/236 (18)	224/224 (1)
	224/232 (1)			230/238 (1)	232/234 (2)	224/226 (1)
	226/228 (1)			230/244 (10)	232/236 (1)	228/228 (2)
	228/230 (1)			230/252 (1)	232/252 (1)	228/230 (1)
	232/234 (1)			232/232 (2)	234/234 (1)	228/234 (1)
	234/234 (1)			232/234 (2)	242/252 (1)	230/230 (2)
				234/236 (2)		230/232 (2)
				234/252 (2)		230/234 (5)
				236/238 (1)		232/234 (5)
				238/252 (1)		232/242 (1)
				244/244 (1)		234/234 (3)
						234/236 (2)
						234/248 (1)
						234/252 (1)
						236/236 (1)
						236/238 (2)
						238/238 (1)
						238/246 (1)
						238/248 (1)
						238/254 (2)

CS-4		Genotype				
Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
	146/146 (1)	150/156 (1)	142/142 (1)	142/148 (1)	140/156 (1)	144/160 (1)
	152/156 (1)	154/156 (7)	154/156 (7)	146/146 (1)	142/156 (2)	146/146 (2)
	156/156 (27)	156/156 (22)	156/156 (13)	146/152 (2)	144/150 (1)	152/152 (5)
	156/162 (1)		156/162 (7)	146/156 (1)	144/156 (1)	152/154 (1)
			156/174 (1)	152/152 (1)	146/152 (1)	152/156 (1)
			162/162 (1)	152/154 (4)	150/150 (1)	152/158 (1)
				152/156 (1)	150/152 (1)	152/162 (1)
				152/158 (1)	152/152 (2)	152/164 (1)
				152/160 (2)	152/156 (1)	154/154 (2)
				152/164 (3)	152/162 (1)	154/156 (4)
				154/154 (2)	154/154 (1)	154/164 (1)
				154/156 (1)	154/156 (6)	154/170 (1)
				154/160 (4)	156/156 (6)	156/156 (3)
				156/158 (4)	156/162 (8)	156/158 (1)
				156/164 (1)	156/170 (1)	156/160 (2)
				158/158 (4)	158/158 (1)	156/162 (2)
				158/160 (12)	158/160 (1)	156/164 (1)
				158/174 (1)	160/160 (1)	158/158 (3)
				160/160 (1)	162/162 (1)	158/160 (3)
				160/162 (1)	168/170 (10)	158/164 (1)
				162/164 (1)	170/170 (2)	158/166 (1)
						160/160 (3)
						160/162 (3)
						160/164 (1)
						160/166 (1)
						162/164 (2)
						162/166 (1)
						164/164 (1)

CS-5		Genotype				
Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
	134/134 (20)	138/138 (17)	134/134 (28)	134/134 (1)	134/144 (1)	134/134 (1)
	134/144 (1)	138/160 (2)	134/136 (1)	134/144 (5)	136/136 (2)	134/136 (1)
	134/152 (2)	138/162 (1)	134/144 (1)	136/136 (3)	136/138 (1)	134/144 (3)
	134/160 (1)	158/160 (1)		136/138 (2)	136/144 (1)	134/146 (2)
	138/160 (1)	160/160 (5)		136/144 (11)	138/138 (8)	136/136 (9)
	158/160 (3)	160/162 (3)		136/166 (3)	138/144 (12)	136/138 (1)
	162/162 (1)	162/162 (1)		136/168 (1)	140/144 (1)	136/140 (1)
				138/138 (5)	142/156 (1)	136/144 (7)
				138/144 (7)	144/144 (3)	136/146 (1)
				138/166 (3)	144/146 (1)	138/138 (1)
				144/144 (2)	144/156 (13)	138/144 (6)
				144/160 (1)	156/172 (4)	138/156 (1)
				144/162 (1)	160/170 (1)	144/144 (7)
				144/166 (2)	164/174 (1)	144/146 (1)
				152/152 (1)		144/154 (1)
				166/170 (1)		146/162 (1)
						148/160 (2)
						160/162 (1)
						166/168 (1)
						168/168 (1)

T113-11		Genotype				
Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
	291/295 (10)	291/291 (9)	291/291 (3)	275/295 (2)	267/291 (1)	271/295 (1)
	295/295 (18)	291/295 (9)	291/295 (3)	283/295 (1)	271/291 (1)	275/275 (1)
	295/299 (1)	291/299 (2)	291/299 (3)	287/295 (2)	287/291 (2)	275/295 (1)
	299/299 (1)	295/295 (9)	295/295 (12)	287/299 (1)	287/299 (1)	279/295 (2)
		295/299 (1)	295/299 (5)	291/295 (4)	291/291 (4)	287/291 (2)
			299/299 (4)	291/299 (1)	291/295 (33)	287/295 (3)
				295/295 (33)	295/295 (7)	291/291 (2)
				295/299 (4)	295/299 (1)	291/295 (6)
				295/303 (1)		295/295 (25)
						295/299 (6)
						299/299 (1)

BP6-2		Genotype				
Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
	213/213 (3)	213/213 (6)	213/213 (16)	158/213 (8)	158/213 (1)	198/213 (4)
	213/218 (2)	213/223 (11)	213/223 (10)	203/213 (2)	158/223 (2)	203/213 (1)
	213/223 (10)	218/223 (11)	218/223 (4)	213/213 (26)	198/213 (2)	208/223 (1)
	218/218 (2)	223/223 (2)		158/223 (1)	198/223 (1)	213/213 (20)
	218/223 (8)			208/223 (2)	208/223 (2)	213/223 (16)
	223/223 (5)			213/223 (8)	213/213 (6)	218/223 (2)
				223/223 (1)	213/223 (4)	223/223 (6)
				213/233 (1)	223/223 (32)	

BP6-4		Genotype				
Pop.	Johore	Kedah	Pahang	Kajang	Malacca	Rawang
	256/278 (1)	264/264 (6)	256/276 (1)	254/276 (1)	262/262 (2)	262/262 (5)
	262/288 (1)	264/284 (1)	264/264 (3)	262/262 (2)	262/264 (1)	262/274 (1)
	264/264 (1)	264/286 (9)	264/272 (1)	262/264 (3)	262/274 (1)	262/292 (1)
	264/288 (2)	266/288 (1)	264/276 (1)	262/276 (1)	264/264 (3)	264/264 (6)
	266/276 (1)	280/280 (1)	264/278 (2)	262/278 (1)	264/276 (1)	264/270 (1)
	268/290 (1)	286/286 (8)	264/288 (2)	262/282 (1)	274/274 (3)	264/274 (2)
	274/278 (1)	286/294 (3)	266/276 (1)	264/264 (15)	274/286 (2)	264/276 (1)
	274/288 (2)	286/296 (1)	268/284 (1)	264/274 (2)	276/276 (3)	264/290 (1)
	276/286 (1)		272/284 (1)	264/276 (2)	276/278 (1)	266/266 (1)
	276/296 (1)		276/276 (5)	264/278 (1)	276/286 (7)	274/274 (5)
	278/278 (1)		276/288 (4)	264/282 (1)	276/292 (1)	274/276 (1)
	278/280 (1)		278/278 (2)	264/294 (1)	286/294 (13)	274/282 (1)
	278/288 (7)		278/288 (1)	268/268 (1)	290/294 (1)	276/276 (7)
	280/288 (1)		278/290 (1)	274/274 (2)	294/294 (11)	276/278 (3)
	286/288 (1)		280/280 (1)	274/276 (1)		276/282 (1)
	288/288 (5)		288/288 (1)	274/278 (1)		276/288 (1)
	288/290 (2)		290/290 (1)	274/288 (2)		278/278 (2)
			296/296 (1)	274/298 (1)		282/284 (1)
				276/276 (2)		282/290 (1)
				276/282 (2)		284/290 (1)
				276/288 (2)		286/292 (1)
				280/294 (1)		288/290 (1)
				290/290 (1)		288/292 (1)
				290/292 (2)		290/290 (1)
						290/292 (1)
						290/294 (1)
						294/294 (1)