

Appendix A Nine SSR primers and sequences

Locus code	Primer sequences(5'→3')	Repeat motif	Types of fluorescent decoration
UDK96-001	5'GAATCGCGTAATGATTGATGG 5'GTTTCCCCTCTGCAAAAGC	(AC)10(TC)16	5' 6-FAM
UDK96-015	5'CCGAGTCATGATCGAGTTGA 5'GGCTCAACTTGGAGAAGTGG	(AC)21	5' 6-FAM
UDK96-016	5'TTAGGTGAAAGACACACCACAC 5'ATAAACGTCATGGGCTCAGC	(AC)14	5' 6-FAM
UDK96-026	5'CGCTGACCAGATTCTGATGA 5'TTGAAAATCACTGAGCACAACC	(AC)14	5' 6-FAM
UDK96-030	5'TCATGTTTGTGGTTGAGTTGTG 5'AGCAATAAACTCAAGCGCGT	(AG)9(AC)15	5' 6-FAM
UDK96-034	5'TTATATGGTGCGGCATGCTA 5'TGAATGCAGAAGGCAATCAG	(AC)12(AG)17	5' HEX
UDK96-035	5'AAGAGCCATAGCTTATTCACCG 5'AAGTAAAGCCATTGTCATTGCA	(AC)17	5' HEX
UDK96-040	5'TCGAGTTACCTAGCTACTCCGC	(AC)15(AG)21	5' HEX

5'CAAGGGAAGAAAATGTTGAACC
 UDK97-409 5'ATGACCTATTGCCAAGTGGC (AG)19 5' HEX
 5'TTGTGTGTACCCACCACCC
 UDK97-414 5'GCCATTTCAAGAACATTTTTTG (AG)20 5' HEX
 5'TGGCTATATTTTGCAAGCCC

5' 6-FAM represented 5 and 6-carboxy-fluorescein labelled, and 5' -HEX represented 5-hexachloro-fluorescein labelled. The primers were from previous study (Huang *et al.* 1998)

Appendix B SSR polymorphic analysis of four kiwifruit genotypes

Genotype	ZM-2	Acva-1	Acva-2	Acva-3
Ploidy	6x	6x	6x	6x
UDK96-001	230/254/262/270/278	288/300	292/298	300/306
UDK96-015	106/114/118	104/110/122	104/110	104/110/122
UDK96-016	200/202	188/192/194/198/204	184/194/250	186/198/204
UDK96-026	134/156/158	154/160/164/166	132	132/156/160
UDK96-030	107/113/115/129	87/89/101	87/101	85/101
UDK96-034	184/188/206/208	Null allele	186/190/214/216	186/198
UDK96-040	136/140/154	152/160	132/172	136/148/166/178
UDK97-409	110/116/124	Null allele	Null allele	Null allele
UDK97-414	116/124/126	142/144/152	142/144	132/140/148
A	3.3	3.1	2.3	2.8
P	100.0	100.0	87.5	100.0

6x represented the hexaploid ($x=29$) by Flow Cytometer analysis, using kiwifruit cultivar ‘Hongyang’ (2x) as the control. A, number of alleles per locus. P, percentage of polymorphic loci.