

Table 6 SSR markers and their primer sequences used in this experiment

SSR Marker	Forward primer	Reverse Primer
Satt002	TGTGGGTAAAATAGATAAAAAT	TCATTTTGAATCGTTGAA
Satt005	GCGTATCCTAGAGAAGAATAAAAA	GCGGTCGATTAGGCTTGAAATA
Satt012	GCAATTAGTTTTAAAATGTTTC	AGAATAGAGCCTACATATAATCATA
Satt022	GGGGGATCTGATTGTATTTTACCT	CGGGTTTCAAAAAACCATCCTTAC
Sat_099	GCGAAAATGGCAGAGATAA	AATGCTAAAAGAGGAATGAAATAA
Sat_112	TGTGACAGTATACCGACATAATA	CTACAAATAACATGAAATATAAGAAATA
Sat_130	GCGTAAATCCAGAAATCTAAGATGATATG	GCGTAGAGGAAAGAAAAGACACAATATCA
Satt146	AAGGGATCCCTCAACTGACTG	GTGGTGGTGGTGAAAACATTAGAA
Satt157	GGGCTCACTCTCGATAGTAGGTATAAAAG	GGGATACCAAAAGGAATAATTGTCTT
Satt168	CGCTTGCCCAAAAATTAATAGTA	CCATTCTCCAACCTCAATCTTATAT
Satt173	TGCGCCATTTATTCTTCA	AAGCGAAATCACCTCCTCT
Satt180	TCGCGTTTGTGTCAGC	TTGATTGAAACCCAACTA
Satt184	GCGCTATGTAGATTATCCAAATTACGC	GCCACTTACTGTTACTCAT
Satt187	GCGTTTTAATTTATGATATAACCAA	GCGTTTTATCTCTTTTCCACAAC
Satt194	GGGCCCAACTGATATTTAATTGTAA	GCGCTTTGTGTTCCGATTTTGAT
Satt197	CACTGCTTTTTCCCTCTCT	AAGATACCCCAACATTATTTGTAA
Satt216	TACCCTTAATCACCGGACAA	AGGGAACAAACACATTTAATCATCA
Satt226	GCGAAACAACACTCACTTAAGCAATACAT	GCGTCCTCTACCTTTCTTATC
Satt230	CCGTCACCGTTAATAAAAATAGCAT	CTCCCCAAATTTAACCTTAAAGA
Satt236	GCGTGCTTCAAACCAACAACAACCTTA	GCGGTTTGCAGTACGTACCTAAAATAGA
Satt239	GCGCCAAAAAATGAATCACAAT	GCGAACACAATCAACATCCTTGAAC
Satt242	GCGTTGATCAGGTCGATTTTTATTTGT	GCGAGTGCCAACTAACTACTTTTATGA
Satt243	GCGCATTGCACATTAGGTTTTCTGTT	GCGGTAAGATCACGCCATTATTTAAGA
Satt267	CCGGTCTGACCTATTCTCAT	CACGGCGTATTTTTATTTTG
Satt268	TCAGGGGTGGACCTATATAAAAATA	CAGTGGTGGCAGATGTAGAA
Satt279	GCGCAAAAGGACGCCACCAATAG	GCGGTGATCGGATGTTATAGTTTCAG
Satt281	AAGCTCCACATGCAGTTCAAAAC	TGCATGGCACGAGAAAGAAGTA
Satt286	GCGGCGTTAATTTATGCCGAAA	GCGTTTGGTCTAGAATAGTTCTCA
Satt307	GCGCTGGCCTTTAGAAC	GCGTTGTAGGAAATTTGAGTAGTAAG
Satt308	GCGTTAAGGTTGGCAGGGTGGAAAGTG	GCGCAGCTTTATACAAAAATCAACAA
Satt309	GCGCCTTCAAATTGGCGTCTT	GCGCCTTAAATAAAAACCCGAACT
Satt334	GCGTTAAGAATGCATTTATGTTTAGTC	GCGAGTTTTTGGTTGGATTGAGTTG
Satt339	TAATATGCTTTAAGTGGTGTGGTTATG	GTTAAGCAGTTCCTCTCATCACG
Satt429	GCGACCATCATCTAATCACAATCTACTA	TCCCCATCATTTATCGAAAATAATAATT
Satt345	CCCCTATTTCAAGAGAATAAGGAA	CCATGCTCTACATCTTCATCATC
Satt346	GGAGGGAGGAAAGTGTGTGG	GCGCATGCTTTTCATAAGTTT
Satt352	GCGAATGTATTTTTGTTTCTCCATCAA	TGATAAGCCAAAAAATGGAAGCATAG
Satt372	GCGAAAACATAATTCACACAAAAGACAG	TCCGCGAGATAAATTCGTAAAAT
Satt386	GCGGATGATTTTTATAGAATAGATAAT	CTTCGTTGATACCTCAGTAGAGTACAAA
Satt387	GCGTTACGTTTCACTATTTATTTAACAT	GCGGCAGGCTAGCTACATCAAGAG
Satt390	AGTGGCTGATAAAAAAATACTCA	ATAATCGCGGCACAATAATTC
Satt453	GCGGAAAAAAAACAATAAACAACA	TAGTGGGGAAGGGAAGTTACC
Satt434	GCGTTCGGATATACTATATAATCCTAAT	GCGGGTTAGTCTTTTTATTTAACTTAA
Satt442	CCTGGACTTGTTTGCTCATCAA	GCGGTTCAAGGCTTCAAGTAGTCAC
Satt300	GCGCCACACAACCTTTAATCTT	GCGGCGACTGTTAACGTGTC
Satt462	GCGGTCACGAATACAAGATAAATAATGC	GCGTGCATGTCAGAAAAATCTCTATAA
Satt487	ATCACGGACCAGTTCATTTGA	TGAACCGCGTATCTTTTAAATCT
Satt530	CATGCATATTGACTTCATTATT	CCAAGCGGGTGAAGAGGTTTTT

SSR Marker	Forward primer	Reverse Primer
Satt556	GCGATAAAACCCGATAAATAA	GCGTTGTGCACCTTGTTTTCT
Satt565	GCGCCCGGAACTTGTAATAACCTAAT	GCGCTCTCTTATGATGTTTATAATAA
Satt571	GGGTAGGGGTGGAATATAAG	GCGGGATCCGCGGATGGTCAAAG
Satt577	CAAGCTTAAGTCTTGGTCTTCTCT	GGCCTGACCCAAAATAAGGGAAGTG
Satt586	GCGGCCTCCAACTCCAAGTAT	GCGCCCAAATGATTAATCACTCA
Satt588	GCTGCATATCCACTCTCATTGACT	GAGCCAAAACCAAAGTGAAGAAC
Satt590	GCGCGCATTTTTTAAGTTAATGTTCT	GCGCGAGTTAGCGAATTATTTGTC
Satt596	TCCCTTCGTCCACCAAAT	CCGTCGATTCCGTACAA
Sct_188	TTCAACCATGTCATAAAAAT	CTCACTCCTCCATAAAAAT
Sct_189	CTTTCCTGGCAATGAT	AAAATCGCAAACCTTAGT
Satt431	GCGTGGCACCCCTTGATAAATAA	GCGCACGAAAGTTTTTCTGTAACA
Satt414	GCGTATTCCTAGTCACATGCTATTTCA	GCGTCATAATAATGCCTAGAACATAAA