

Table S1 Primers used for preliminary screening of SSR markers	
Primer name	Primer Sequence
IG_p2S1_F	GACACTGTACACACCGACGT
IG_p2S1_R	AAAAGAGCCAGGGGATGTGG
IG_p2S7_F	CACACACACACACACAAGCC
IG_p2S7_R	TGAGTGGGTCTCCTTGGGAA
IG_p2S9_F	TCTTCCGGTGTTCTTGTCGG
IG_p2S9_R	GACACGACGTACACCAAGGT
IG_p2S12_F	CCGAGTTGCACCCCTAATCA
IG_p2S12_R	TGTGAGAGTGAGAGAGGGGG
IG_p2S13_F	GGTGCTGCCTACACAGTTCT
IG_p2S13_R	CAAACACCATCGCAAACGGT
IG_p2S14_F	CGACAAAGACTTGGGGAGCT
IG_p2S14_R	AGATCCCTCATGCTCCCAGT
IG_p2S15_F	CGTGTGTGTGTGTGTGTGTG
IG_p2S15_R	GAATCCTTGACGGGTCGAG
IG_p2S16_F	TCAGGCAACAGCACGATCTT
IG_p2S16_R	GCAGAGCTTTGCCAAAACGA
IG_p2S17_F	TGTGGATTGACCCATGACGG
IG_p2S17_R	GCTTTGCTGTGGTTCTGTGG
IG_p2S18_F	TGGTGCAGTCAGATCGCTTT
IG_p2S18_R	ATGGAGGAAGTGAACAGCCG
IG_p2S19_F	TTGTAGCTCTGCAGAAGCCC
IG_p2S19_R	CTGAATGATGCTCCGCAACG
IG_p2S20_F	TTGCTTTATGGGCCTCCTGG
IG_p2S20_R	AGCCCTCTGGTCATTTTCGG
IG_p2S21_F	TGGAGTTGTTTCGTCGCGTA
IG_p2S21_R	GGAGTGGCTGACGAAGAACA
IG_p2S23_F	TGGAGATGGGGAGAACGCTA
IG_p2S23_R	CCCATTCTCCCACTTCCCAC
IG_p2S25_F	CCTCCTGCAATGAACCCCAT
IG_p2S25_R	AGGCTGTCACCAATCTGAGC
IG_p2S26_F	TTCTCATGGCCGAAACCCTC
IG_p2S26_R	ATCCGGAAGAGGAGTCTGCT
IG_p2S27_F	TTCGCTAATTCCACCGCCAT
IG_p2S27_R	TACTTCCCGCTGCTCGTTTT
IG_p2S28_F	ACAGGGAATCCGCATTTCGT
IG_p2S28_R	GTTTCGTCGTCATCAATGCCG
IG_p2S29_F	GATTACGAGCTCGCCCATGA
IG_p2S29_R	TACTGGGATCCCTCCACAGG
IG_p2S30_F	AAAATTTTGGGGCTCGCCAC
IG_p2S30_R	CCGACACTGACAAGGACGAA
IG_p2S31_F	TGGCTTCGAATCTCTCTCGC
IG_p2S31_R	GGAGACGCCTTGGAAGAAA
IG_p2S32_F	AGAGAGAGAGAGAGCTATGGCA
IG_p2S32_R	AGATGCATCGACGTTGTGAA
IG_p2S33_F	GGCGCAGAACTTCCACTACT
IG_p2S33_R	CCAGACTTTCACGTCGTCCA

IG_p2S34_F	AGATGTGCAGGAGGTTGTCG
IG_p2S34_R	CCTGGAACAACAACGTGCTG
IG_p2S35_F	GAGGAGGAAGGAGTCGGA
IG_p2S35_R	CAAACGTCGACATCGCCATC
IG_p2S36_F	TAAGTTGAGCTTGGGGTGGC
IG_p2S36_R	TTTGATAAAGCGGGCCGAGT
IG_p2S37_F	AGTCCGAGAAGACTCACCGA
IG_p2S37_R	GCTGCCGTCCAAATCTTTCC
IG_p2S38_F	GTTTCATGGTGTTCGTGCT
IG_p2S38_R	AGGTAGCCGGAGAGGTTTCAT
IG_p2S39_F	GTGGAAGCCTTCGTTGAGGA
IG_p2S39_R	CAGTTGAGAATAACGCGCCG
IG_p2S40_F	GCCCGCGATGTAGTAAGGAA
IG_p2S40_R	TCGTCCATCGCTCCATCTTG
IG_p2S41_F	AACAGTAGCGGCCTTCCTTC
IG_p2S41_R	TCATGCCTAAGCCGACGTTT
IG_p2S42_F	TCGGAGATACGCAATGAGCC
IG_p2S42_R	GGCAGCTCCCTTCTTGTTCT
IG_p2S43_F	TTCTCACTGGACACGACACG
IG_p2S43_R	CTCGTGTACACAGGCACAGT
IG_p2S44_F	AGGGGATTTTGCCGGAGAAG
IG_p2S44_R	GCAGGTGGTGTGTTGGAGAGA
IG_p2S45_F	CGAGCTTGTGTCTCTCTTGC
IG_p2S45_R	GGTGACACAACGAACAAGACA
IG_p2S46_F	TCTTTGCTCGGGACCAGTTC
IG_p2S46_R	GCAATACAGGTGCAGGGCTA
IG_p2S47_F	GTTGCATTACGAACGCGAT
IG_p2S47_R	TTGATCGTCCAGACCCGTTG
IG_p2S48_F	AGCCAGGCGGTTTCAACATA
IG_p2S48_R	TCGTGCTTTCGAGACAAGCT
IG_p2S49_F	TCATGGTTTGCGGTCCAAGA
IG_p2S49_R	CCCGAGTCCCGACATTCAAA
IG_p2S50_F	TTGGGTTGCGACCTTGCTAT
IG_p2S50_R	AAGCGGTAAACAGGGGTCTG
IG_p2S51_F	AACGCCAAATCTTCTTCGCG
IG_p2S51_R	GCGTTGCTCCTCTTCTCTT
IG_p2S52_F	AAATTGTGTGCCTCGCTTCG
IG_p2S52_R	ACCCCCAACAATTGCTCACA
IG_p2S53_F	ACCATCTGAGAACTGCGG
IG_p2S53_R	CAAGCCTCATTTCGCATCGG
IG_p2S54_F	ACTCATCGAGTCTCTGATGCTC
IG_p2S54_R	GGAGATAAACGAAGCTTTGCCC
IG_p2S55_F	TCCCTCGAAACCCTAACCCT
IG_p2S55_R	CTGCCGTTGGATGTGAGAGT
IG_p2S56_F	CGTCTGCAGAGGACATTGGT
IG_p2S56_R	CGGGGCGATTTCTACGACTT
IG_p2S59_F	CGCGAACAAGACCTCTCCT
IG_p2S59_R	AAGAACTTGGGTGCTGCCT

IG_p2S60_F	TCTTGGCTTTGTTCGCACAA
IG_p2S60_R	ACCCACAGGCTCAAAC TAGC
IG_p2S61_F	GCTTTCTCCTCTGGGTCACC
IG_p2S61_F	GAGAGCAAGCAAGGGGTTCT
IG_p2S62_F	TTGATCCTCCAAAGCTGGCC
IG_p2S62_F	ACCGTGAACCTCAATTCCC
IG_p2S63_F	GAAGCGTCAATGCTCACCAC
IG_p2S63_F	TACGGCCTCTACCTTCGTGA
IG_p2S64_F	AGAGAACAAAGGAGCCCACG
IG_p2S64_F	ATCCCCACTCCCCTCTCTTC
IG_p2S65_F	GGACTCTCAACGCAAGCTCT
IG_p2S65_F	ATGGGCAGGTCCTCATTTGG
IG_p2S66_F	GTTGAACAAGAACCGGTGCC
IG_p2S66_F	ACGACTCAAACCCGCATCTT
IG_p2S67_F	GCATGTAGAGGTCCTTGCGT
IG_p2S67_F	AAGACCGTATCTCCCGTGGA
IG_p3S4_F	CTCCATCGCCGTCAAGAAGT
IG_p3S4_R	TCGCAGCAGTAGCCGATTAG
IG_p3S7_F	CCAGAAGAAACCCGAGCTGT
IG_p3S7_R	ATCCTACCACTGCATGCTCG
IG_p3S8_F	TGCTCGAGGACTTTGGCAAT
IG_p3S8_R	TGTCCGTCACTTCTGAAGCC
IG_p3S11_F	TGGTTCATGATGGTCAGGCC
IG_p3S11_R	TCCAACCGGTTGACCAGATG
IG_p3S12_F	TGACGTGGACAACTGCATCA
IG_p3S12_R	AACAGCCTCGCAAAGCCTAT
IG_p3S13_F	GGGTCGTGAGCTCAAGAACA
IG_p3S13_R	TTTCAGTCTTGGCAGTGGCT
IG_p3S14_F	GTGCTCGTGTGGTGAAGAGA
IG_p3S14_R	AGACCCAGACCTGAATCCGA
IG_p3S16_F	CCCGACAGAGTGCAC TTTCT
IG_p3S16_R	AGAGAATCCGCAGCTAAGGC
IG_p3S17_F	TCTGCTTCAAGGCTCCATGG
IG_p3S17_R	AGGATCTTTATCAGGCCGCG
IG_p3S18_F	TAGGGTCCATGATCTGGCCA
IG_p3S18_R	CCACTGCGGTAATGGGAACT
IG_p3S19_F	TTGTTCGCGATCTTGACCCA
IG_p3S19_R	AGGTCCCTATGTGCTCCCAT
IG_p3S20_F	CTCTTTCGGAAC TCGCCCTT
IG_p3S20_R	ATTCCAGTTGTACCAGGCGG
IG_p3S21_F	TCCCACTAAACCCGAGCAAC
IG_p3S21_R	GCAACTGGCCCCCTTCCTTAT
IG_p3S22_F	GAAGCCAAACCCTCCCATCA
IG_p3S22_R	ATTTCCTTCGGGGGCTTCTG
IG_p3S26_F	AGGAGGAGCTGTAGGTCGTT
IG_p3S26_R	TCGGATGGAGGCTCTCTTCT
IG_p3S27_F	GACCATTGCAAAGCAGCCAA
IG_p3S27_R	TGGTGGAAGAGTCATTTCGGC

IG_p3S28_F	AGGAGCCAACCCGAATGAAG
IG_p3S28_R	TTGAGGCCAAGGCACATGAT
IG_p3S29_F	TGCTCTTCTGGACGGAACAC
IG_p3S29_R	CACAAACTCCGGCACAAGTG
IG_p3S30_F	TAGAACCACCTCTGTCACCT
IG_p3S30_R	CCGAGGCCTTCTCAACGAAT
IG_p3S31_F	TCTTGGCTCACTCTGCAAGG
IG_p3S31_R	TCGCTGCTGCTCCTAAACAA
IG_p3S32_F	ATGGTTGATCATGGAGGCGG
IG_p3S32_R	TTGTTCTGCTGCTGGTTCT
IG_p3S33_F	GCTAGCTTCTTGGCAATCGC
IG_p3S33_R	AGAGCAAGATTGTCCCTGCC
IG_p3S34_F	GTGGAGAAGTGGAAGCAGCT
IG_p3S34_R	CTTCTCGTGCCGTTCTCTT
IG_p3S36_F	GATTGCGCCTGTGTCATGTC
IG_p3S36_R	TCTGGGAGTACAAAACCGGC
IG_p3S37_F	TGTCGGACCACAGAAGAAGC
IG_p3S37_R	AGACGATGATCTCTGCTGCG
IG_p3S38_F	ATGCAGTCACAGGGAATGG
IG_p3S38_R	GTGGTGGAGGCATGATGTCA
IG_p3S40_F	CCCCTCTCTTTTGACGCCTT
IG_p3S40_R	CGACTGGACACTGGTTCCAA
IG_p3S41_F	TGCTGTTACGCCTTCACCTT
IG_p3S41_R	AATTCCTTCTCAGCCTGGCC
IG_p3S42_F	GTCTGCTGATTGCTCTGGGT
IG_p3S42_R	AGGAAGAGTCGTTCTGCGTG
IG_p3S44_F	GCACACCCGTAATAAACCA
IG_p3S44_R	TTGTTCTCGCCGCAGTAAT
IG_p3S45_F	TCCCTGCGCTGCTAATGAAA
IG_p3S45_R	ATGCTTCCTTCAGGGGCTTC
IG_p3S46_F	GAATAGGGCCAGGCTAAGCT
IG_p3S46_R	AGTCGATCATCCACAGCGTT
IG_p3S47_F	AACAGGAAGAAGGCGAGCTC
IG_p3S47_R	TCAACTTCCCGGACCTCAAG
IG_p3S48_F	AAGGATGACACAGGGAAGCG
IG_p3S48_R	CCGTCGATCGCTACTTCGAA
IG_P3s49_F	CGATTGGCTATGTTGGCTGC
IG_p3S49_R	CTTTTGGTGGTGGCTGAAGC
IG_p3S52_F	AGGAGCAGCACAAGCATTCT
IG_p3S52_R	AACGGAGAGATACGGGGAGA
IG_p3S54_F	TGGGTTCTGTTGGATGTGG
IG_p3S54_R	GCACACCTAAACTGTGGAGC
IG_p3S55_F	ACTCACTTGGGGATGCAGTG
IG_p3S55_R	CACGCAATGTCCGCTTGAAT
IG_p3S56_F	CAAGGCACGAAACCTTCACG
IG_p3S56_R	AGCTTAGGGTGTGGAATGGC
IG_p3S57_F	TTTGTTGCCGTTGCCATCTG
IG_p3S57_R	TCCAGTAGCTCAGTTGCTGC

IG_p3S58_F	TGACCCGATCAAAACCCTCG
IG_p3S58_R	CTGGATTGGCCCAACTTTGC
IG_p3S60_F	TCCTGAAGCCGTACGTCCTA
IG_p3S60_R	ATGGCCTTCACCTTCCCATG
IG_p3S62_F	GCCTTAGTTGCAGCTGAGGA
IG_p3S62_R	TTACCTCCATGGCCCCTGTA
IG_p3S63_F	GGGGGAGGTAAATGATGTGGG
IG_p3S63_R	TGGAGAGAGACAGCCACTCA
IG_p3S64_F	CCACCACCGCTTCTCTTCTT
IG_p3S64_R	CGGTGGGTATTTGTCGGGAA
IG_p3S66_F	CATTTACATCTGCCCTGCGC
IG_p3S66_R	GAGGCGGATGTGAATGCAAC
IG_p3S67_F	AGAGGCAGGAAGAACAAGCC
IG_p3S67_R	ACCAGCAACATCAGCTTCGA
IG_p3S68_F	ACTAGTCCAACCAAGCACGG
IG_p3S68_R	GACCACCACCACCACTTTCA
IG_p3S69_F	ACCTTCACCGACCTCCACTA
IG_p3S69_R	GAGCACCGCCAGTATCTCTC
IG_p3S70_F	CAACCACCTAGACCAGCCTG
IG_p3S70_R	GGTGGTGGATGGTTCGTCTT
IG_p3S71_F	TAGGGGAGGGGTTGTAGGTG
IG_p3S71_R	CCCCTTTTACTTGGCCCCAT
IG_p3S72_F	AAATCCCAAGCTGACTCCCC
IG_p3S72_R	GCAATGAGAAGATGGGGCCT
IG_p3S73_F	CACCACCACCACCACATAA
IG_p3S73_R	GAACCCCATGCGAGGATGAT
IG_p3S74_F	GCCCGTGCTCTTCTTCTTCT
IG_p3S74_R	GTGTCCGTATCGTGCCGTAT
IG_p3S75_F	ACCACCACCACCGTCAAAAT
IG_p3S75_R	TCCTCCACATCAGAGCTGGT