The *Journal of Cotton Science 13:75–157 (2009)*
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BREEDING AND GENETICS

New SSR Markers for Use in Cotton (*Gossypium* spp.*)* Improvement

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ABSTRACT

SSR markers, also known as microsatellite DNA markers, are very useful for saturation of the large and complex upland cotton (*Gossypium hirsutum* L.) genetic linkage map. Monsanto has invested heavily in development of cotton SSRs and has implemented molecular breeding technologies for the genetic improvement of cotton globally and the acceleration of the integration of biotechnology traits into the most elite upland cotton germplasm in the commercial pipeline. Genomic clones from microsatellite-enriched cotton DNA libraries were sequenced to identify SSR-containing target regions and SSR-containing EST collections were searched. PCR primer pairs were generated for 5,475 target sequences and utilized to amplify SSR marker loci which provide useable levels of polymorphism in interspecific and intraspecific genetic populations. Bioinformatics analysis of these sequences and primer pairs relative to SSR sequences already present in current public databases reveal that approximately 2,937 of these SSR primer pairs and target genomic sequences are unique and amplify about 4,000 unique marker loci in a tetraploid cotton genome depending on the germplasm analyzed. A subset of the Monsanto SSR markers were placed on a consensus genetic map along with a selected set of public anchor SSR markers (BNL and JESPR markers). Chromosome-marker bins, each 20 cM in size, were constructed on the genetic linkage map containing the two public marker sources. This generated 207 marker bins for a total of about 4,140cM which is approximately the size of the tetraploid cotton genetic map. These bins contain 945 unique Monsanto SSR marker loci and 615 public anchor SSR markers. In order to contribute to the expanding genomic resources for cotton research and improvement, Monsanto is facilitating the uploading of the unique SSR primer sequences, their respective target clone sequence, and chromosome bin designation (if known) to Cotton DB (http://cottondb.org/) and CMD (http://cottonmarker.org) databases. These will be available for general use in the cotton research community without restriction.

The United Nations projects that by the year 2050, our planet must double food production to feed an anticipated population of 9.3 billion people. Global demand for cotton products is expected to increase 102% from 2000-2030. This is likely to occur in a global environment where arable land is decreasing, water supplies are declining, and the impact of global climate change on production is uncertain. This demands that the rates of production gains globally accelerate without plateau. Ideally, these gains will be achievable with reduced inputs and will be neutral to farm size. Current rates of genetic gain for lint yield under normal plant densities range from 7.1 to 8.7 kg ha^{-1} yr^{-1} (Schwartz and Smith, 2008). The majority of this genetic gain has arisen from conventional breeding and selection and biotechnology (Rathore et al. 2008). Conventional breeding cannot sustain maximum levels of genetic gain without building upon supporting technologies. Fortunately, cotton genomic research has accelerated in recent years and this can promote enhanced cotton genetic improvement (Zhang et al., 2008). The upland cotton (*Gossypium hirsutum* L.) genome (2n=4x=52) is large and complex, requiring a large collection of DNA markers to achieve maximum genome coverage and utility in diverse germplasm. Useful DNA markers are informative, mapped and ideally described in a searchable database. Simple sequence repeats (SSRs), also called DNA microsatellites, are routinely derived from enriched genomic DNA libraries (Hoffman et al., 2007; Lacape et al., 2007;

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Reddy et al., 2001), expressed sequence tags (Han et al., 2006; Saha et al., 2003; Wang et al., 2006; Park et al., 2005), or sequences derived from bacterial artificial chromosomes (Frelichowski et al., 2006; Guo et al., 2007). The effort to develop additional SSRs has progressed despite the lack of a assembled whole genome sequence of the tetraploid AADD genome (Chen et al., 2007).

SSR markers can be effectively utilized to characterize the vast germplasm resources of *Gossypium*_spp. (Liu et al., 2000; Zhang et al., 2005; Lacape et al., 2007; Sun et al., 2009). Molecular breeding integrated with conventional phenotypic selection is increasingly being utilized for key traits in cotton (Cantrell and Xiao, 2008). A critical requirement for success is a large number of easily accessible and polymorphic DNA markers that are cost effective to analyze in cotton breeding populations. The low level of polymorphism, especially within upland cotton, necessitates that a large library of DNA markers be available for various applications. A major goal of the International Cotton Genome Initiative (http://icgi.tamu.edu) has been to facilitate the development, distribution, and deployment of cotton DNA markers (Brubaker et al., 2000). Current publicly available cotton SSR markers are described at CottonDB (http://cottondb.org/) and CMD (http://cottonmarker.org) (Blenda et al., 2006).

In an effort to contribute to the public collection of genomic resources, Monsanto is describing and releasing a large diverse set of unique cotton SSRs. This consists of large set of SSR primer pair sequences which will amplify many cotton marker loci. A subset of the SSR loci has been assigned to cotton linkage groups on a consensus linkage map. These are all available for broad and general use in cotton research without restriction. Most of these SSR sequences should be unique, as they have been compared with public SSR sequences to eliminate redundancy as much as possible.

MATERIALS AND METHODS

The genotypes and kinds of sequence resources that were used to generate new SSR target regions are listed in Table 1. Clonal libraries containing microsatellites DNA were constructed from various cotton genomic DNA sources (DP20, DP90, DP388, Delta Opal, and DP33B). The microsatellite-enriched libraries were generated using biotinylated oligonucleotide capture method (Reddy et al., 2001; Hoffman et al., 2007). Captured fragments were cloned and sequenced in a manner described by Hoffman et al. (2007). Unique sequences were submitted to GenBank. PCR primers flanking the SSR motif were designed to produce amplicons ranging in size from 60-150bp with a melting temperature T_m ranging from 60-65 ºC. Public EST databases were searched for simple and complex SSR motifs in a manner similar to Park et al. (2005). Primers were designed for the SSR-containing target regions in a manner close to the parameters for the aforementioned genomic clone sequences. Standard PCR with approximately thirty-five cycles with an annealing temperature of 55 ºC was used for SSR amplicons generation. SSR markers were scored on different genotyping platforms within the commercial molecular breeding programs of Monsanto.

A unique set of new microsatellite DNA markers was identified by comparison to all public cotton microsatellite DNA sequences. The latter were downloaded from CMD (www.cottonmarker.org) as of August 11, 2008. SSR primer pairs were defined as a match and excluded from the set of new unique SSRs if sequence comparisons revealed that they amplify the same genomic SSR region. The primers (forward and reverse) from the entire Monsanto sequence collection (n=5,475) were used to compare with the downloaded target (reference) sequences as well as duplications or redundancies in the Monsanto sequence collection. The primer matching criterion was a perfect match of the entire primer sequence (15-28bp) with no mismatch in the string. If a primer pair from a Monsanto SSR has 100% match to a public sequence or an internal Monsanto sequence and in the right orientation, the match is very certain. This level of stringency may have excluded a few unique sequences, but that was acceptable.

The new SSRs were localized to chromosomally identified bins as a means to enhance their public usefulness. The bins were defined using a proprietary consensus genetic map that includes the new SSR marker loci and public anchor marker loci (BNL and JESPR). A consensus genetic map containing new SSR marker loci and public anchor marker loci (BNL and JESPR) was based on an interspecific F_2 population with 94 individual plants derived from DP 33B (*G. hirsutum*) and GB679 (*G. barbadense*) and an interspecific recombinant inbred population with 186 RI lines derived from

G. hirsutum TM-1 and *G. barbadense* Pima3-79 provided by John Yu and Russell Kohel of USDA at College Station, TX. From the consensus genetic linkage map, bins of markers were constructed based on 20cM intervals. Most chromosome bins contain one or more public anchor markers (BNL or JESPR) as a reference. Chromosomes were numbered in the conventional manner from 1 to 26, with Chromosomes 1 to 13 denoting the A genome and Chromosomes 14-26 denoting the D genome. Each bin is named by chromosome and consecutive 20 cM interval on each chromosome. The order of markers within each 20-cM bin is presented but without distance measure.

RESULTS AND DISCUSSION

Cotton SSR sequences were derived from mining SSR-containing EST regions and from microsatellite DNA-enriched genomic clones. As is convention, the markers were designated using prefixes that differ according to the type of source sequence and source genotype (Table 1). Among the 2,937 unique SSRs, high quality clone sequences were recovered from 2,273. Clone sequences were submitted to GenBank and accession numbers listed in Supplemental Table 1A.

Unfortunately, the polymorphic information content (PIC value), target repeat motif of each SSR marker, and allele size in bp is not available. These have never been screened on a uniform panel of germplasm to yield a suitable estimate of PIC value. SSR markers were mapped on *de novo* mapping populations in the various breeding programs along with reference public anchor SSR markers. Within the commercial breeding programs, no extensive effort was made to screen or eliminate proprietary marker sequences that were redundant at the time to public SSR sequences as long as they were informative and reproducible. As expected a large number of SSR sequences were closely similar to those in the public domain. A stringent similarity analysis of all SSR primer sequences compared to the public set reduced the number of sequences from 5,475 to 2,937. A complete set of 2,937 unique SSR sequences and primers (F&R) are listed in Supplemental Table 1A. All of the primer pairs reliably generate one or more PCR amplicons depending on the DNA template. Experiences with this set of primers reveal that over 30 % of the primer pairs amplify two fragments.

The most useful SSRs are those where the chromosome location and genetic map position is known on the consensus map. Table 2 presents the summary of the marker bins that were generated from the Monsanto consensus genetic map. Two hundred and seven bins (20 cM) were constructed comprising an approximate total genetic map distance of 4,140 cM. These bins contained 945 mapped Monsanto markers and 615 public anchor markers. The Monsanto marker loci were amplified by 759 unique SSR primer pairs. Five hundred eighty-three primer pairs amplified a single locus and 176 pairs amplified 2 or more marker loci.

The average number of bins per chromosome was 8 and ranged from a low of 4 for CH22 to a high of 13 for CH19. The numbers of bins and markers were fairly similar between the A and D genome. The average number of markers per chromosome bin was 8. Supplemental Table 2A lists the chromosome bin assigned to each of 1,560 SSR markers. Great effort has been made to include as many

Table 1. Sequence sources of new cotton SSR markers.

Marker Designation	Number of Sequences	Sequence Source [Z]
C2	93	Genomic (DP20)
CER	121	EST
CGR	1244	Genomic (DP33B)
COT	70	Genomic (DP20)
DC	465	Genomic (DP90)
DPL	649	Genomic (DP388 & Delta Opal)
SHIN	295	EST
Total unique SSR Sequences	2937	

[Z] Genotype used for genomic DNA isolation shown in parenthesis.

anchor SSR markers (BNL and JESPR) as possible, thus making the selection of the new unique markers for molecular breeding more streamlined. Some unique markers were not mapped due to lack of segregation in the mapping populations used. Other unique SSR markers were mapped only on a single *de novo* mapping population and lacked the required number of public anchor markers for robust consensus map construction.

The cotton genome has been demonstrated to contain large numbers of SSR sequences. The additional markers presented here should constitute a helpful resource, e.g., to fill in gaps in existing cotton genetic maps. The availability of additional markers will also aid cotton researchers in genetic dissection, and tagging or associating markers with key cotton traits. The markers can further be used for marker assisted breeding and other molecular breeding applications.

DISCLAIMER

Monsanto assumes no liability or claims associated with any use of the sequences or DNA markers disclosed in this paper. Users of the sequences or DNA markers may acknowledge Monsanto Company as the source of the information. Mention of a trademark, proprietary product or vendor does not constitute a guarantee by the U.S. Department of Agriculture or Texas A&M University and does not imply approval or recommendation of the product to the exclusion of others that may be suitable.

Table 2. Number of SSR marker bins per cotton chromosome and types of markers contained in the bins.

Chromosome	No. of Bins [Z]	Monsanto Loci	Anchor Loci	Total Loci
Ch01	8	41	20	61
Ch02	5	25	20	45
Ch03	9	31	17	48
Ch04	6	20	8	28
Ch05	11	50	23	73
Ch06	7	26	21	47
Ch07	6	40	17	57
Ch08	10	38	23	61
Ch09	9	38	30	68
Ch10	8	29	18	47
Ch11	10	33	29	62
Ch12	7	51	26	77
Ch13	7	38	21	59
A Genome Total	103	460	273	733
Ch14	8	33	32	65
Ch15	7	40	25	65
Ch16	11	43	26	69
Ch17	8	27	8	35
Ch18	6	26	26	52
Ch19	13	57	45	102
Ch20	9	24	21	45
Ch21	10	42	36	78
Ch22	4	19	21	40
Ch23	7	34	27	61
Ch24	7	45	26	71
Ch25	7	37	22	59
Ch26	7	58	27	85
D Genome Total	104	485	342	827

[Z] Chromosome bins constructed as consecutive 20cM intervals on consensus genetic map.

Table 1A. SSR Primer sequences with GenBank accession numbers for the clone sequences and ESTs from which primers were designed.

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
C2-0001	CCCCATTTCTTTATTGTTATT	TTTGGCATGGAAGTAATTGGA	MONCS0001
C2-0002B	TTAGCCATCGGAGGTATTT	TCAAGGGAATGTCTAATGGA	MONCS0002
C2-0003	AATATCTACATTAAAGCCTAA	CTTACGAGCTCCGGTATCTTA	MONCS0003
C2-0004C	TTTGTTTTGCGTTCCTTTA	TCCGACAATGCCTTACAAG	MONCS0004
C2-0005B	CCCCATTCCTACTCATCC	CACAGAAAGGTGCTCATGC	MONCS0005
C2-0006	GTCTCACAGCCGAGGCTT	CATTTCAGCAGGATTCAACAC	MONCS0006
C2-0007	TTTGGAGCCTGAATATTAGC	TACAAGGCAAGCAAACTATGA	MONCS0007
C2-0009B	GGCATCTAATACGGGTAA	CATCGTCATATTCATGCAA	MONCS0008
C2-0010	AAATGAGCATATAATAACAA	GCGAAAGGGCTAATTACACT	MONCS0009
C2-0011B	CTTGTTGGGTCTCATAAGAGC	AGCCGGTGATCTTAGTGC	MONCS0010
C2-0012B	GTAGTTATTTGACGTGATGC	GTGTAGGGATTTGTTTGG	MONCS0011
C2-0013	GTAACTGACTCCCGAACTC	ATATCAACAACAATTTAGGGT	MONCS0012
C2-0014C	ATCGGATTCTTGAGCTTATA	TACATTTTCATGCACAATTCT	MONCS0013
C2-0015	AGGAACTATTGCGGTATTGA	TCCATCACATAGACCGAATTA	MONCS0014
C2-0018	GAAGACCCAACTACCGTGC	TCCCTAAAGAAAGTGTTGATG	MONCS0015
C2-0019B	GATGATGGGGGTACGAGAT	CTCACTCAGGGCAAGTCAGAT	MONCS0016
C2-0021	TAGCTACACTATGGCAATTA	TCACCCGTGCTTATTATCGT	MONCS0017
C2-0022C	GATTTCGCCCAGTATTT	TGTGCAAAAGTATGAGTATTT	MONCS0018
C2-0023	TGTAACAGCCCAAATTCGAC	AATCGGGCACTCAGACAATA	MONCS0019
C2-0024	AAGCTATGGAGCGAAAAG	GGACCATATATTTTGCTTACA	MONCS0020
C2-0026C	GACTCCGTACAAAAGACTAA	GTCATCCGACTCTAATAAGTT	MONCS0021
C2-0029	CCAATGTCTCATCGGCTAA	TTTGGCATTTGGATATTGAA	MONCS0022
C2-0031	TTGTAAATCTTGTAAGGGTG	CTCGCACATTCACTTTAGCA	MONCS0023
C2-0032	TCCCACCCAAAACTTTATGC	GTAGTTTTGGGGAAGCTTATC	MONCS0024
C2-0033	GACCGAGTGGTGGCATTCA	TCTAACCTGGCAGCTCATAAA	MONCS0025
C2-0034C	TTCTCTCCTCCCTCTCTAAAC	ACTGCTTACAAAGCGAACACA	MONCS0026
C2-0036	GAATCGAAAGGAGAATCTATC	AACCTTTTTATTGGCATGTCA	MONCS0027
C2-0037	AATTAATTAAATGTGCTGAAT	AATTTGGGAAGTATACTATGA	MONCS0028
C2-0038	GGATTGAAAAGGGCTAA	CACTAATATATCTCAACCAAG	MONCS0029
C2-0039	GTGCATACAATAACGAAGAT	CTGCACATACTATAACCCTAA	MONCS0030
C2-0040	ATATCATCATCCCAACCTAAT	ACTATAGGGTCGGTAAGCATT	MONCS0031
C2-0042B	ACTCTACAAACTCCGCCAGC	TGACCATGATTACGCCAAGC	MONCS0032
C2-0044	AAAGTTTAAAAGTGTGTGA	TGGAAGGACGGGATAATTT	MONCS0033
C2-0045	ATTTTTATTACTTTAGCCATT	GGTTTTCAGCCATCTCGTCGG	MONCS0034
C2-0046	GCATTCGAGCTGTGACTGGT	TAAGGGTCGGGGAGAACTAA	MONCS0035
C2-0047	AAAGTTTTGGGGAGTTGGA	AATTCTCTGTGATGGCGTAGA	MONCS0036
C2-0048	AATCCACTTTTTACTCAAC	GGGCTTTATTTAACAGTTT	MONCS0037
C2-0050	TGTTTGTCGTTGTTATTCT	CCTGCAGGTAAACTAATCA	MONCS0038
C2-0052B	AAAAATGTGTATGTATGTGCAGGTA	ATATTGCGCGATTAGT	MONCS0039
C2-0055	GAAGTCTTCTTTCCGTAACAA	GGGATTAGTTTTCTTAGAGGT	MONCS0040
C2-0056	GCATTTGCATTGGGTTGGG	TTGCCAGATTAAAGTGCGATA	MONCS0041
C2-0062	GGGAAAATTGACTAAGTGTAA	TTCAAAGCAATCCAATCTCT	MONCS0042
C2-0063C	AAATTTGCCAAACTAACTTC	ATATGGCATGTATAGGGATG	MONCS0043
C2-0068	GTTTACCCTTCAGTTCACGA	AGCTATGACCATGATTACGC	MONCS0044
C2-0069	GGAGGTGAAACTGTAACAAT	GACCTCAGAACATCAACCC	MONCS0045
C2-0072	TTTCTTGGCACCTTTATCAC	TTCGGTTATGGGTTGTAGAG	MONCS0046

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
C2-0074	ACCAACCTTCGGAGCGTG	CCAGGCTGAGGAGTAAGGAG	MONCS0047
C2-0076	GGTGGGTATCAAGTCAACTG	AAACCCAACACGGAATCA	MONCS0048
C2-0078	TCTGGCAAGTATAGTAAGCA	GAAGGCATCACAATTGAAT	MONCS0049
C2-0079	TCTGCTGGAATGTATACTCT	ACTGGGCGCGATGCT	MONCS0050
C2-0083	TGCGGTTCAGGGTGATTAC	ATGATTACGCCAAGCTTACT	MONCS0051
C2-0085B	GAAAATGGAGGGAACCCAG	TCCTCCTGCACAAACTTGTAG	MONCS0052
C2-0086	TTCACTCTCAATGTTCGACC	ATGCGCAATAATTAACTCT	MONCS0053
C2-0088	AGGCGTGCCATATGAAA	ATTCATTGAGATCAGCGACA	MONCS0054
C2-0089	GCCCAGTTGACTCGTTACAT	AACGATAAATGCCCAACAC	MONCS0055
C2-0096B	AGTGGACCAGCGAACAGT	TTCTGTCTGTCTCTGCGTT	MONCS0056
C2-0097	GGGGCAGGGAGCAACT	ATGCAGCCGTAATCACTAAG	MONCS0057
C2-0098B	GTGAGGATCCGACTTGCC	AAGTAAAAAGATTGTCCGTCA	MONCS0058
C2-0100	TGTTAGCTTTGGGTTCTGA	ACACCGAGAAGATCATTGAA	MONCS0059
C2-0101	CATCGAAGCCCGCATTCAA	TTATATGGCTTACCGGCTCC	MONCS0060
C2-0103	CATGTCATGGTGGTGGTTAT	AAGGTGCACAAAATAGGTG	MONCS0061
C2-0104	ATGTGTAAGCGATTATATGA	GATTTCGCCTAGCATT	MONCS0062
C2-0105	AAACACCGAATTCAAACTAA	CACCATCGTTTGTGACTTCC	MONCS0063
C2-0106	TTTACAGGCTGCTAGGGA	GACCATCAAATAAAAGCACT	MONCS0064
C2-0107	TTTACGGTTTGTATTACTAT	TTTAATATCGGTCACTATTC	MONCS0065
C2-0108	ATTACCCTTTTTATACTTTC	AATGTCGTGCTAGTGAATG	MONCS0066
C2-0109	GTGAAAACCCGCAAAG	ATACCTAGTATTGCCCTTAT	MONCS0067
C2-0110	GTGGATAGATTTCGGTGTAA	AGGGTGCGACAACGATAC	MONCS0068
C2-0111	TTATACTTTCACAGTAAGGG	GGGATTGGGATTGATAG	MONCS0069
C2-0112	AAACCATGCGAGTAAATA	TACTCTTAGGTGGTTATCTT	MONCS0070
C2-0113	TCTTGGTCCTCCGTTGT	TATGTATTAAATAGGCATGT	MONCS0071
C2-0114	AACAGCACCGCTAAGTTC	CATGTAAAGTTATCCGGTAT	MONCS0072
C2-0115	GCCCATCAAAGATTAACAAG	GATTCTTCACTGCGGGTAA	MONCS0073
C2-0116	AGCACAAAAATAGTAGGATA	CATCCAACAACACCATCG	MONCS0074
C2-0117	TATTGAACTATTAAAACGAC	CTTTTTGTTTCTATCCTCT	MONCS0075
C2-0118	AGATTGGCTTGCATTATTAG	GGGCAATAAGACCTAGCAC	MONCS0076
C2-0119	GGTCCTTTTCGTCCTT	GGTATAAATATAATGATGGT	MONCS0077
C2-0120	CTTGATTTGGCGTGCTTGC	TCAACCGAAGGGTCTGATCTC	MONCS0078
C2-0121	TGTTGTCTCGGTCCCCCTAT	GCGTACATAATAAAAATATATACTA	MONCS0079
C2-0122	TTTAAACCCTTTCCCTTATA	TAAGAGCCCAAATAAGTTTAG	MONCS0080
C2-0124	CAATTTACCCACTCGTGCT	ATGTGCATAATCAGGATGTCA	MONCS0081
C2-0126	ATTCTGCAGCTCATGTGTCCC	ATAAAAACACAACGCAAGACG	MONCS0082
C2-0127	CTTTGAGTGGTTTGGGTAAAT	CGCCTATATAAGTAAGCATAA	MONCS0083
C2-0128	TTGTAACCCCTTTCCTATTT	CCGAGTAAGCTCATGTTGATA	MONCS0084
C2-0129	CGGAGGGTTGATTAGAGTT	TCGACTTGAGAAAGAATGATT	N/A
C2-0130	GAATCAATATCAGTCAAACCA	CCGCCACGCCCGCACG	MONCS0085
C2-0132	AAAGAACGACGCATGTATGAA	TTGGGCCGCGTACTTTA	MONCS0086
C2-0133	TGCCTTGCTTTCGATGC	GATCACTCGGTTCATAACATT	MONCS0087
C2-0135	ATTCCAAACTACCCGATT	GCAGGGAGTGGAGAGTAAT	MONCS0088
C2-0136	TAGTGGAAAGATTTAACCC	GCATTGCCTAGTGATTGAT	MONCS0089
C2-0137	AATGCCTTGTCAAGTTATA	GTGTTATGGCTTTGTATGA	MONCS0090
C2-0138	ATTTCGGTTTGTATTTCTATAA	GACTCAAGGTCAAAGTATCCC	MONCS0091
C2-0139	AACGATAAATAATAATAGCAAGA	GCGCTTTCCAATTCGGTC	MONCS0092
CER0001	CAACGCTGCAGCTTCATTT	TGATCTGCCCAGGTTTTTGT	N/A

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CER0002	GGACGCGTGGGTAAAAATAA	TGTCTCCCAAAAATATGATTGTA	N/A
CER0005	GCTGCCTTGTTTTCCTCTTT	AAGCAGCTGAAGGCGATAGA	MONCS0093
CER0013	CGGAACAGAAACCACAACAG	CAAAACGTAATCCCGCACTT	N/A
CER0014	ATGGCAACAAAGGTGGAAAC	CAAAACGTAATCCCGCACTT	N/A
CER0015	CTTTTCCGGTCAACTGTCAA	CGGTACTGTGGGTGAACTTG	N/A
CER0020	GAGAGGAGAAGGGGGAGTTG	TGGTGAAGAAAAGCTGAAGAAA	N/A
CER0022	GGGTTTTGAGTTGGGTTGTC	TCAACAGAGGGAGTGCAAAG	N/A
CER0023	CCGTGAGGGGGATTTAGATA	GCCTACTTTCATCAGCGTACC	N/A
CER0024	TCACTCTCACCCCTTTCTTCA	ACCCTTTTGGCTGCTCCTAT	N/A
CER0027	CCACAGAGAAAAAGGGGTCTC	CCGTCCATAACCCAGACTGA	N/A
CER0028	AAACCCTCCTTTCTCTCTCTC	GCTCTGCAACTGCAACTTGT	N/A
CER0029	GTTCGCCATCCTCAACAAC	TGCCTCCATTTTCCATTTTC	MONCS0094
CER0032	AAGAGAAGGCCGGAGTTGA	GGTTCTTCCTCCATGCCTTA	N/A
CER0033	TCAAAACCCCACCAACCTAA	TTCATTTCATCCCACCAAAAT	N/A
CER0035	TCCAGGAGTCCAAGGAGACT	GCTTCGGCTTCTGCTTTTAC	N/A
CER0036	TGGCTTGTAATAGGAAACGTTGTA	TCCACATCTCAAAGGGTATGT	MONCS0095
CER0038	TGGTGTCTTTTCCCATTTTCA	CACCCTTTGGTATTGGGTTTT	N/A
CER0040	CACGTGCTTCCTCACGTATC	CGATTTCTTGGAAAGAAGAAGAA	N/A
CER0041	ACACCAAAGATTGCCACTGA	TTAAAGAGATGTTTCTCCATCATC	N/A
CER0042	CCAAGCCTAGGATCTGACACA	GGGGACGCAGGCAACTTAT	N/A
CER0045	CGCACCCCTAATGTTTCAA	CCATTCACTGCTTCCATCTTT	N/A
CER0050	GACCCCATTCCCCTCTTTAT	ACATTTTGAGCGGTGGAGAT	N/A
CER0051	GCTTTCCACCAAGGCAAGTA	ATCCCAACCGAAGCATACAA	N/A
CER0052	GAGAAAATGATGAGACCATAGC	GTGCTGTTCGGACATTTTGA	N/A
CER0054	TTTCGGATCACAAACCAGTG	GCATACCATCCATGCAGAAA	N/A
CER0057	CGCCACCCTCTCTCAAAAT	AAACCCTAAGCTCCTCCAATG	N/A
CER0058	CCCTTGCGAAGTTTCTTGAT	TGAAATGGGGTTTCCTTATT	N/A
CER0059	CTCCTGTAAAACCAGCCACAC	AACTTCGGCCATCGTATTCA	N/A
CER0060	CCCCTTTCTTCTCCTTCTTCTT	TGGAATCAAATTGGACTTGTTCT	N/A
CER0061	TCTGGGTTTTTGGTCTTTCTG	AAACCCCACCATTGGAGAAT	N/A
CER0062	CGGTTGTTAAGGGGAGTTCA	CCAACCGAAATTTCCTCTTTC	N/A
CER0063	ACATTAGCGTCCCCATTGAG	CAATCAAACCATCCCGTTGT	N/A
CER0065	GGAGGGGGTTTTGTCTGTCT	TGCCCAGTCAACTGAGTAAGAG	N/A
CER0070	ACAGAAACGGCGGGAGAG	TCTTCCTCCTCTTCTTCTCTCTT	N/A
CER0071	TCCCTACTTTCCTTACTCATTCTTT	GGAGGGAAGGAGCGAGAG	N/A
CER0073	AAACGAATCGAGGCGTAATG	AAACAGCAAAGAGTGGTTCTCTG	MONCS0096
CER0074	CCTCGCCGCATATATCTTCT	GGGCCTCTTTTAAAAATGTGA	N/A
CER0076	TGGTTGGGGACTGTTTCTTC	CAAGGAAATGAAGGAGAAATTGA	MONCS0097
CER0077	TTTGGTTCTCTTGGCTCAAA	ATGGCGCTTCAGTCACATTA	N/A
CER0078	CGACACTTACAATCCACCATTT	TGGGTCAAATCACATATCACATC	MONCS0098
CER0080	AATTAACGGGGATTGGTTGA	TGTCTCCCAAGAACATGACTG	N/A
CER0081	TTTTCTCATAGACGCTCGCTTA	CCCCTTTGTCTCTGGGAAGT	MONCS0099
CER0082	GGCATGTCCATGGATTCTGT	GCCCATCAAAGATAAGCAAGA	MONCS0100
CER0083	ATCGATAGCGGTGGTTGTTG	TCGTGCTCCTCTGTCTCATC	MONCS0101
CER0084	GGGGGTGATGAAATTGAAAA	ATCGCTCCCTGCATCTATTG	MONCS0102
CER0085	GTCGTGGTGAAGCTCCTGAT	GGTTTTGGTTTTGGTTTTGGTA	MONCS0103
CER0086	TTCCATTGCTCGCTTTACAA	TTTAAGAGGCAAGTCCTTTATTAG	MONCS0104
CER0087	TCAGGCACATATTCCCTTAG	ACCCCATGTCGTGTCTTTGT	N/A

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CER0090	GTCGCCAAGTCATGGAAGAG	AAAGGGTCGTCGGGTTTG	MONCS0105
CER0091	AGCACATGCAGGGAAGAAGT	GCTCATCCTCCTTCTGGTGTC	MONCS0106
CER0092	TCGGGGAGTTCTTATTCACCTA	AATCACCCAACACAAGGTTTT	MONCS0107
CER0093	TCCCTAATCCGATTCTTCCTA	GCAAGACCGAGGTCATCATA	N/A
CER0094	TGCTTTGCAAAATGTGTGTTG	AGCCATGGGCTTTCTCTTG	MONCS0108
CER0095	AGCTCGTGGTGATGAGAAAA	TCCACATCACCATCCTCTTT	MONCS0109
CER0096	TCGGAATTATGAAAGTGTAAGTGA	AAACAATCCAGTATGTTGGTGTTA	MONCS0110
CER0098	TTCACGTGTCTTGCTTTGTTG	GGTGGGTCTTTTGAACCAAAT	MONCS0111
CER0099	GGGGAAGTTGTTGCTTTGTT	GCTCAATGTCATTTTCCATGTC	MONCS0112
CER0101	CTATGCGGTTTCATGCAAGT	ATGTGGGGTAAGCCGAAATC	N/A
CER0102	TTGAAGGACTGGCATGAGTCT	AACAGAAACAGGGAGGGAGTT	N/A
CER0103	GGAAGATTTTACGAAAATGCAACT	TCAGCCATCGTACGTTCATC	N/A
CER0104	AACACACGGGTATATTTGGATTC	GCTGTTAGGCGTAGCATTTT	N/A
CER0105	AGGCGCAAATAGCAAACAAC	GCAACCCAAACATCGGATAC	MONCS0113
CER0106	GCCTCCACCAAAGATCAAAG	ACCGACTCGGAAACATCATC	MONCS0114
CER0107	CCGCAAGGATCAATTGTATTGTA	TGGTTTTCTAAACAGGGCAGAT	N/A
CER0108	TGTTTGTTGATTTGGCATTTG	TCCAGCTCCACAGTTCTGATT	N/A
CER0109	CAGCAGCTGGAAAAATGTCA	TGTGCAGCTCCCAATTTAGAA	N/A
CER0110	AATCGGAAGAGGATGGCATA	TCCAAAACTTTGCTGCATATTTAC	N/A
CER0111	TGTCAAAACCATCGCCATTA	TCTCGAATCGGAGAAGGATA	MONCS0115
CER0112	GTGGTGCCATCATCATCATC	TTGTTCCAAAAGCAACCATTA	MONCS0116
CER0113	GGAGCCTTCTTATTGGGATGT	CAAAGACGTCCCCATGATTT	N/A
CER0114	TCAGCCAAGTATTCTTTCAAAATC	AACAAAGACGCGACCCTATG	MONCS0117
CER0115	GAAGTCGGGTGAAGCTTATCA	AAACAAGCCATCCCGTTGTA	N/A
CER0116	TCCATGCCTACCAACAATACTTC	CAGATCGGAATTGTTATGAAA	N/A
CER0117	AAGGCATTTTGATTGACGATCT	AAAGAAAGAAGAGGCGAAAGAAA	N/A
CER0119	CGTGGAATCAGCCCTAGTTG	GAGGATGCCAAAAACGAAAA	MONCS0118
CER0120	TGTATATATTCTTACTTGTTTATTATCTTACAA	TTGTGATTTAAGCCCTTTATTTG	N/A
CER0121	AGCCCTCTCTTTCCCATGTT	GCAGGGGGTTGTTGTTGTAT	MONCS0119
CER0122	TTGGTTAATGGCGAAGTAGAA	TCTCCATCATCGTCATCATCA	MONCS0120
CER0123	CAGCTTGCTCTGGCTCTTG	TGAAAATGAGCCATGATGAGA	MONCS0121
CER0124	TTTGTTAAGGAGAGTGGTTGTGA	TTGGGGAAGAGGTGAAAAAC	N/A
CER0125	AAAATTCTTGCCCTGAAATC	GCGAAGATTCTAGAACCGAAAA	MONCS0122
CER0126	AGTCCAATTTTTGAAGCCTAA	TGACCCCATGCATCAACTTA	N/A
CER0127	GATGTGCATGTGGGTCATGT	TCCGAGAGAAATACCAAGAAATG	N/A
CER0131	TGTACCCCTAAGATTGGAAATTG	ACGCCCCATCTCTCTCTCTC	MONCS0123
CER0132	CCTAGCCCTTGTCCCTTTTA	CTGCCACTAAGGCAGGCTAT	N/A
CER0133	AGGGAAAAGGAGAGGGAGAG	AGCTGGTTTCTGCCATGTCT	N/A
CER0134	ATTGGTTGGTTGGCGTGTG	TGAAAAAGCCACAGGATTACAA	N/A
CER0135	GCCTTTTCAGATTGGCATGT	TGGCTTGGTTTCACTTGGTA	N/A
CER0136	TTTTTCCTTTCTCTTTATAAGCTATCATT	TCAGCTGATGCAGGATCATT	MONCS0124
CER0137	AAGCCTGGTGAAACCAGTTC	TGGATCTCGTGACTCCATTG	MONCS0125
CER0138	GTCCGGCCTTAACCAATTCT	TCCATGCAAAGCTCCATTTT	MONCS0126
CER0139	CTGTACAGCCGATCCCACAC	CCAGACGCTGAGGAAAATCT	MONCS0127
CER0140	CCTATGGAAAGATGGCATCAA	AAAAATGCACCTTGCAAAATC	N/A
CER0141	GGCGTTTTTGGATCTTCTTC	CAGTTCCCATTACCCCAGAC	MONCS0128
CER0142	AAGCATTGCTGTTGGTCTTC	GACCAACGTTCTGCATTCAA	N/A
CER0143	TTCACTTATGGTGGCGTTTT	AGGTGCCAACCAGGTAGAAA	N/A

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CER0144	TACGCCGGGTTACTTTTGAG	ATCGGCAACAATGGTGTTTT	MONCS0129
CER0145	GCATGCCATTGATTGATATTCT	TTGTTAGCTCTTTCACCTTTTTCA	MONCS0130
CER0146	CATGCATCAACCTCTTACTATTG	ATGTTTCTTTGGGGGTTCAA	MONCS0131
CER0147	TCGATGCTTTCCATCAATCA	GAGGGAAAATGAGAACGTGAA	MONCS0132
CER0148	GCTTTGGGTTTTGCCACTAC	CGTGTGAGGTGTCCCCTAAT	MONCS0133
CER0150	TTTTTCAGCCAACCCAGATT	GGGTCACACCAAAACCAAAT	MONCS0134
CER0151	TTCCACCGTTACACCCTCTC	GAACCAAAAACCCACCTTCA	N/A
CER0152	CGAAACACCCACCTCGTATT	TTGAGGGAATCTCTTCAAAACAA	MONCS0135
CER0153	GCGGATTCCTCTTCTTCTTCT	AACAAGTGGACATGGTGTTAAA	MONCS0136
CER0155	GGTTAATGCGCTTAAATATAAATCAA	TCCAAACACCTTCACCATGA	N/A
CER0156	AGTTGCTGGAAATTGAGATGTT	TGCCTGTAGCCAGACACAAA	MONCS0137
CER0157	TTCTACGCACCTTTCTGTTCA	CCTCATTGCGGAGGTCTTAG	N/A
CER0158	GGGTTTGAGCTTTTTCTTATTGA	TGCTTCCTTCCTCCACTCTC	MONCS0138
CER0159	GCTTTTCCCAATGCTGTTGT	GAAAGAAACAAAGAGGTATTCATTTTC	MONCS0139
CER0160	CCATGCGTCCTTTCATTCTC	CCTTTTCCTCCGACATGAAT	MONCS0140
CER0162	GGATCATGAGGAAGAGCATGAC	TGAATAGAATACTTCCGGATCTT	MONCS0141
CER0163	CCCACAAGCTTTCATCGAAC	CATGCTAGACCGTCACCATAGA	MONCS0142
CER0164	AAGAGGCAGCCACTGAGGTA	CTGGGAATGGCCAACATAGT	MONCS0143
CER0165	CACCAGTCTGCAGTTTCATCA	TCCCTCACCAGGTCTGACTTA	N/A
CER0166	GCGTCAACCGAGTCAAGATT	TATCAGATCTCGGCCCTCAA	MONCS0144
CER0167	TGAAAAGCCCTTTACCAACAA	TCCTTTTCAGCTCTCCTATCTCA	N/A
CER0168	CCAAGCATCCCAAGTGATTA	AAAATCATGCATGGCAGTACC	N/A
CER0169	GGGTCTCGGGCTACGTACT	TCCAATAACCCCACAAAATGA	MONCS0145
CER0170	CCTTTTGTTTTTGCTTGGGTTA	TCTCTCACAAAACTCCATTTTTCA	MONCS0146
CGR3137	ACCCAAATAACCCACCTGCT	GAAGAAACGAGGAGGCATCA	MONCS0147
CGR5001	TCTCCATGTATCCACCCACA	ATAGCGAATGCAGATCGTGA	MONCS0148
CGR5005	GCAGCAAGGAACAACAACAA	TCCACCAAATCATCTGCATC	MONCS0149
CGR5007	GGGTGGAGAAGACGAGAGC	TGGCGACTGAACAACAAAGA	MONCS0150
CGR5008	AGATCCCTCTCATGGGCTTT	TCAAGAAGGCGAGCTGATTT	MONCS0151
CGR5009	TGTTCGATTTCCATTCCACA	TATCGGTCAGGCTATCGGAC	MONCS0152
CGR5010	CCTCAGCAGCAGTTTCAACA	ATGGAGGATGCTGAGAGGAA	MONCS0153
CGR5011	TTTATTAATGGCGGCTGCTT	TGGTAACTGCTGTTGTTGGG	MONCS0154
CGR5015	AGTGATGGTGGAGGGACAAA	CTCTCCTATCCCAACCTCCA	MONCS0155
CGR5018	TTTGTTTGCTAGGCATTCTC	AAAGAGGGAGGAAAGAAGCA	MONCS0156
CGR5020	GGGAGAATTGAAGGCAAATG	ACCCATCATCATCACCATCA	MONCS0157
CGR5021	CCAGTCGTAGCCGCAGTTAT	CACTGAATGGGAACATGGTG	MONCS0158
CGR5022	CCATGCCTTAGCATGATTTG	CCGTACAGGTCCAAGATTAGATTT	MONCS0159
CGR5024	TTCGAGAGGCATGGCTATTT	TTTGGAAGAAGGAGAGCATGT	MONCS0160
CGR5025	AAGGCAACCTCAGAACGATG	GACGAGGCTTAGAGCCCTTT	MONCS0161
CGR5028	CCTTCCCTCATTTCCTCCAT	ACATCGTTATCCTCGAACGG	MONCS0162
CGR5029	GGAGTCGGAGTTGGAGTAGG	TGTGACTACGGCTTCGACTG	MONCS0163
CGR5030	ATTAAGCCCAATGCTGATGG	AGTCGAAGATGTTGCTGCTG	MONCS0164
CGR5031	GCAAGCAGCAGTGATAATGG	AACATGCAAGCAAACAAGCA	MONCS0165
CGR5033	ATGAAAGTGGTATTCCAACG	CCCTTAACTTATACAGCTTTGC	MONCS0166
CGR5034	ATCTCGCTGTGCTGGCTAAT	CTGCTGCTGCTGATGATGA	MONCS0167
CGR5035	GTTTGCTGCGTACCATTGAA	GACACAGCAGTCTCCTTTACGA	MONCS0168
CGR5036	CTGTTTGGCGTATGTGGATG	CTCCAAAGATTTGCAAACGA	MONCS0169
CGR5040	AACCTTCGATCTTTGGCTCA	AATTGTCATCATCCAAGCCA	MONCS0170

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5042	ACCGAAGGAAGACCTGAACC	TTTGTTCGTCCTCGTCGTTT	MONCS0171
CGR5043	TTTCTGCTTTGGAAGTGACTGA	CTTGTGGTTGGTGTTTGGG	MONCS0172
CGR5045	ACCGGCTTGTTTGCTCTG	GGTTTCAAAGGCACCAAGAA	MONCS0173
CGR5046	CCGGATAGCTCCAACTTCAA	AAATGCAGCTTGCATATGGG	MONCS0174
CGR5048	TGTCGACGTAGTGGAATATGGA	GGTAACACTCCAAAGGGCAT	MONCS0175
CGR5050	CGTTCGGAAGAAAGCCTTAAT	TTGGTTGCACTACCATTCCA	MONCS0176
CGR5052	TTGGTGATTGAAGTGATCTTCC	TGTATCTCGCTAGTATGGTGGTG	MONCS0177
CGR5056	TTCTGTTAGGGCCGTTCTTG	TGAGAAGCGGATGATTGATG	MONCS0178
CGR5057	TTCTGCTCTCTTCCTTCCCA	CTTTGGTCGCATGTCGATTAC	MONCS0179
CGR5058	CATCCGAAAGCATTCAACCT	CCACCCAAATAAACCTTGGA	MONCS0180
CGR5059	CCAGCTTAACAGATCCCGAC	TGCTAGCTTGCATATGGG	MONCS0181
CGR5063	TGGTTTGGAACTTGGGTTGT	TTTACTGGCCTGATCCTTGG	MONCS0182
CGR5064	TCCGTTCTGCTAAATCTTCTCC	GGGTACCTGACAATGGCACT	MONCS0183
CGR5066	CTAAATTTCCCAACCCGGTC	CTCTGGCGGCTTTAAGTTTG	MONCS0184
CGR5067	CCAGGTTCGCTAGAAAGCAG	AAACTTCCACCATTTCCTGA	MONCS0185
CGR5069	ACCACAACTACAGCGAAGAGAGA	GAAAGAACGAAGAGGAGCTTCA	MONCS0186
CGR5070	CGCTCTTAAGTACCGCAAGC	TTTCTTGTCCGGCCATAAT	MONCS0187
CGR5073	CTCACGCGTATCGACTGAAA	GCCTCAATAGCCTCCTCATTC	MONCS0188
CGR5075	AGCCCACCTGTGATTATGGA	GTTGGTGGTGTTATCCTGGC	MONCS0189
CGR5077	TGTAGAAGTGAAGACTGGGATTGA	CCAATTCCATGGCTCCTGAT	MONCS0190
CGR5078	TTCAAGAAGTCCCAACCTTT	TAAGACCCAGAAACCGGAGA	MONCS0191
CGR5080	CATTACCCACACCCATCACA	ATTTGACGGAGAAACCAACG	MONCS0192
CGR5083	GCATCAAAGAAAGCCAGGTG	CACAGAGATAGTCAGAGAGAGCCA	MONCS0193
CGR5084	CCCTTGGCTGCAGAAGATTA	GCATGATGGATCCGTAAAGACT	MONCS0194
CGR5085	ATCTTACGGAGGTTCGCCTT	CAGAAGAGGAGGCAGTGGTG	MONCS0195
CGR5086	GAGACGACAGACACAGGCAA	GCTTTCTTCAATTCCCTCCTTT	MONCS0196
CGR5087	GAGTGTGTGGTGCCGTGC	GGGTACGGGAACAATAAGGG	MONCS0197
CGR5088	CCCTCTCACTGGGACTCAAT	CAGCCAAGAGAGGGAAAGAG	MONCS0198
CGR5090	GTTATGGAGCTGGAGGTGGA	CCAGTTCCAATTCCACCAGT	MONCS0199
CGR5091	CATGGCCACTACTGGAAACA	ACAATTCATCCAGACCCAGG	MONCS0200
CGR5096	TCTCGCTGAATTTCTTAGTTGG	AATAAGCGACCCTGGCAGAT	MONCS0201
CGR5097	TGCAAGAAATCCACTTGATCG	CTTGGTGGTGTGCTCGTAACT	MONCS0202
CGR5098	TCGACTTTCTGATGAATGGCT	GTTCCAATTTCTTAAGGGAGGA	MONCS0203
CGR5100	TTCAGCATGGATTGCTTGTC	AGGATATCGGCCCATGAGA	MONCS0204
CGR5101	AAATGAAAGAAAGTGGAGGG	AACCCAGAAATTCTCTCTATGTCTC	MONCS0205
CGR5102	CGTCCGCACACACTATCACT	AACGCGAGGAGAATCTGAAA	MONCS0206
CGR5106	TGAACATGGTACTAGGGTGGC	GCCAGAGCCATAGGAACTTG	MONCS0207
CGR5108	TTCCATTGGAGATGGTCGTT	AACCTGCTAGCGCCACAA	MONCS0208
CGR5110	TCCTCGAGGGTTTCTTTCCT	AAATGCTGAAGAGAGAAGCGA	MONCS0209
CGR5111	GGAATTCGTGAACTCCTCTGA	GTGAGGGTGTCCTTTGGAGA	MONCS0210
CGR5112	CCATTTCACCTCTTCCACCA	ACAAAGCGGAGAGTCCCAG	MONCS0211
CGR5113	TTGCAAGGAATCAAGTTCACAC	TCTGATTGTACTTTGCGGGTA	MONCS0212
CGR5115	AGGCCTATTCTTCGGCAAAC	CATTTCTTGCATTCTTGCCA	MONCS0213
CGR5116	CGCTGAAATGGTTTCTCCTC	CGGTTGATAACTGGGCTCTC	MONCS0214
CGR5117	GGTTCGCTGGGAGATGATAA	CAGGCTGTTTCCTCCAGCTA	MONCS0215
CGR5118	TCGCGATCTAGAACCGGAC	CGATTTCAAGGGAGATGCTG	MONCS0216
CGR5119	CGGTGTGGAAGATTTGGTTT	CTCAATGAAGGTCTCATCGG	MONCS0217
CGR5120	CCCATCCTTAGCTTCAACACA	GGAGTCGAGTGGATGAGGAG	MONCS0218

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5122	CGGAAACCCACAAGAGGAAC	CGTGCTCCTCCTCCTCCT	MONCS0219
CGR5123	CCTCCTGGTAATTATATAGGTGAGA	CCATTGTTCCCTACTTGCCT	MONCS0220
CGR5124	CGGACGTAATAGGGCTTCAG	CTCTGGCCATGGATGAACTT	MONCS0221
CGR5125	ACATCATGAAGCGGGCAT	TGGTTCCATCATTGACCTGA	MONCS0222
CGR5126	GCATGACAAACATAAGAACAGC	TTGCAGCTTGGACTTGTGAG	MONCS0223
CGR5127	CTCAGCATGCAGTTCATATTCA	GTGGTGGCCATTGCTTATTC	MONCS0224
CGR5128	TCTCTAAACGGAACGGAGGA	CGTGGACAAATAACGGGAAG	MONCS0225
CGR5130	GCTGAGGGACCCTTCAATTT	AGTCGTAGATGCCGGTGAAG	MONCS0226
CGR5131	GGAGAAGGAGAAGGAGGAGG	CTAAGAACGCGCACAGTGTC	MONCS0227
CGR5132	AAAGGCAAGTGAGTGGCTCT	AAAGCCCAGTTGTGGTAGTTG	MONCS0228
CGR5133	TGGCGTACAATGTATTGGCT	TCAGCGAAACAGGATGAAGA	MONCS0229
CGR5135	CCCAATTAAAGAATCCCAGG	CTGAAGAGAAGGCCAACTGC	MONCS0230
CGR5136	CTTTCCCACCCATTCCAAA	CGTTGCCGTCCTCTGATAAT	MONCS0231
CGR5137	TTTGAATTCACCCACCATAGC	TCTCTTCTTCTTCCTCCTCCC	MONCS0232
CGR5138	ATCCATCTGGCTGGGTTT	GATTTCTTTCTTTCCCGGCTA	MONCS0233
CGR5139	TCGACTGCTAAGGATTTCCC	GAGGAATTAGCAGCAGCCAC	MONCS0234
CGR5140	TGGGAATTGCAGTGGTGTTA	CGCCATGATGTCTGCTTATG	MONCS0235
CGR5141	TACGGAATCGGAGAGTCGAG	TTAGTCCACCAAGAGCAGGG	MONCS0236
CGR5142	GGTGCATCCCATTCAGGTAA	AGCTGCTGCACCACTTGC	MONCS0237
CGR5143	CAAACAATGGGTTTGATGTC	AGCAAAGGAGTGTTTCAATCTG	MONCS0238
CGR5144	TGGCTAGAGAAGGCAGAGGA	CGATGTTAACGGAGCAAACA	MONCS0239
CGR5145	GCCGAGTATATCAAGGCCAA	GGGATCAAGCTCAAATGCTT	MONCS0240
CGR5147	CAGTCCATGTTGGAAAGAGAGA	TGCTTTGGGTCTTTGGCTAT	MONCS0241
CGR5148	AGCAACTTTCAAGCTTTCTGTG	TTCTGGTTTGTTGGCTCCAT	MONCS0242
CGR5149	CTACCAAACGCTCCCTTACG	CGGAATCTTTCAAGGATGGA	MONCS0243
CGR5150	GCTCCAATTTCCTCTTCTTTG	CCTCTCAGGATTCTTCTTGATTTC	MONCS0244
CGR5151	CAAACCAGTTAAAGATCCTCCG	AAGGCTCCTGGTAGCACACA	MONCS0245
CGR5152	CCCATTTGTTGGGTAGGAGT	TGTCAGTAGATTTCCCAGTGAGTT	MONCS0246
CGR5153	TGATTGTATTCACTTGCATCCC	TCATGTACTTTGCATGTCAGCC	MONCS0247
CGR5156	GCCCGAGTCTCCTACACCAT	TTAATGACAGTGTTAGGGAGAAGTG	MONCS0248
CGR5157	GATCAAAGGCAACAGAAGACG	TGGGTCACATGTGGAATCTC	MONCS0249
CGR5158	AAACAGCAAACCGTTCCAAG	AATTATAATCGCCAGCACCG	MONCS0250
CGR5160	GGAGAAATTGGAGTTATAAGGG	AATATGTCATGGTGGACAGGG	MONCS0251
CGR5161	CTTTGGAGTTAGGAACATTAGC	GGTGATAATAACTACTCTGACGACGA	MONCS0252
CGR5162	AGGTGCATCTCCAGCTTCAT	CTCCAAGTGTGGCTTCAACC	MONCS0253
CGR5163	ATTCCGCCACCAGTGACTAC	AACGAATTCCCAGCAGAAGA	MONCS0254
CGR5164	TTCCGGATGAACTAATCCCA	TTAAGGCCAAAGCAGAATCC	MONCS0255
CGR5165	GGTTGAGGACGTCAAGGAAA	GCTCTTCTTCTCGCTTCTGC	MONCS0256
CGR5166	CCATTGCCCTGAATTCACTT	GGAAGTGCAAGCTCTCAACC	MONCS0257
CGR5167	GCAACTCCAAATGTCGATGA	AGCCATGAAAGGATTAGGCA	MONCS0258
CGR5168	GTTGCAAAGGGAATCGAAGA	CTGAAATTCTTGCGTCCGAT	MONCS0259
CGR5169	CCCATTCATCCGAATTATCC	ACCGATCAAGTCGACCAAAC	MONCS0260
CGR5171	TCACAGATCTAAACTCACACACCA	GGGCATTGATATGGCTTGTT	MONCS0261
CGR5172	GGTCGTCAGATGGGTCAAAT	TATCCTCCACCCAACACCAT	MONCS0262
CGR5173	AAGTTGGGAACAGTTGCATCA	AGCTGAGCCTGAGAGTGTATCAA	MONCS0263
CGR5174	TTAACATTAGCCGGAGGGAA	TGCTTTCTGGTATCCCTTGTG	MONCS0264
CGR5175	CTACACCGCCAGAAGAGGAG	GCATGCAGTGATAGTGAAACAA	MONCS0265
CGR5176	CAGTGAATGAAGGGAAGAAAGTG	CAGAGAAGGAGAGACGGGTG	MONCS0266

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5177	AAGACGAAAGTGGCGAGAAA	TTGGCTGTCATGGTTGTCAT	MONCS0267
CGR5178	CCACAATAAAGAAGCAGGTATCG	GAAGGTATGCCTATTCACTGGC	MONCS0268
CGR5179	TTGTCTCAAACTGCTTTCCA	GGAGCTAACTATCTTCCTTCTTGC	MONCS0269
CGR5181	GCCTTGTTTGGGAGCTATGA	CTGCAACACTCCTTGGTTCA	MONCS0270
CGR5182	AAAGCAAGTTGGCAGGTTAT	TCTATTTGTCGGTGGAGCCT	MONCS0271
CGR5183	GAGTCGGAGCTGAGGATGAG	TGCTGTTTCCATCTCCCTTC	MONCS0272
CGR5186	AGCAAGCCCTTCCTCTGATT	CCTACCGACCACACCAGAAG	MONCS0273
CGR5188	CACTCGTGCCACACACAGAT	CTGCGAGAGGCTACTCAACC	MONCS0274
CGR5189	TAACATCCCTCCACTCTCCG	TCAGTCACCATTGCCATCTC	MONCS0275
CGR5191	GTGGTGGTTACCTGGCTTTG	GCCACGTGTCTTCCAAATCT	MONCS0276
CGR5192	AGACCACGTTCCTCTGGTGA	GGGAATGTGTGTGAGTGAGAGA	MONCS0277
CGR5193	GGCATCAGGTGCCCTCTTA	AGCAAGTCCGGCACAATC	MONCS0278
CGR5195	CCGGTAGAAGAGAAGGTTCCA	TGCCATTTCTGTTTGCACTT	MONCS0279
CGR5196	GGTCCTTCATGGTTCCTTCA	CAAACCCTCTTTCCCTCCTC	MONCS0280
CGR5197	CATGCAGCTTCCATTGCTTA	ATGGTCATTGAGCCGAACAC	MONCS0281
CGR5198	CAACGACCGAAATTCCACTT	TCCGAAGAATGAGGAAAGGA	MONCS0282
CGR5200	GATCACGCAGCTGCAACTTA	GGTGGAAGAGGTGAGGTTCA	MONCS0283
CGR5201	AGTTGGCTCCATGACTGAGG	CGCCGACAACTCATCTACAA	MONCS0284
CGR5202	GGCGCCTTACGAGACAAA	CGACCCGAAAGTTTCTTCCT	MONCS0285
CGR5203	CTGACTCTCCTTCTCTCCCTCTC	ACTGCAAGCTCTGCCTTAAAGA	MONCS0286
CGR5204	GCTCTCTCCAATCACCCAAA	CCCTATATACCGCCACAGCA	MONCS0287
CGR5205	GACACATGTTGGAAACTGGG	GGCGTTTCATTGGAGACAGT	MONCS0288
CGR5206	GAGTTTGGTCGAAACGACTG	CTTACTCGAAGGCAGCAAGC	MONCS0289
CGR5207	GCACTACTTGCCTTCGCTTC	TTCGCAATGTGGTAGGTGTC	MONCS0290
CGR5208	CTGGAGCCTCATTCAACGAA	AAGAAACTGTTTGGACTTGCGT	MONCS0291
CGR5209	TCCATCTCCTTTGAACACCA	TTAGTGATTGGAGAAATGGG	MONCS0292
CGR5210	TGTCTCGCTCTCTGTCGATCT	AAGCTCGGCTCTGTGTGTCT	MONCS0293
CGR5211	CTTATTCGTCTTACCCGGCAT	CCCACGACGAAGAAGATGAC	MONCS0294
CGR5212	CTGTGCTCTGGGCTAGAAGG	GCAGAGAACTGAAGGGCTGT	MONCS0295
CGR5213	CCAAGCTCCAAATTCCTTGA	TCCTTCAAAGTTTGCCTCCT	MONCS0296
CGR5214	TCGCTTTGCATGACGACTAA	AAGGCATGTCAGGGCATTAT	MONCS0297
CGR5216	AGCCTTCAGTGAGGATCGAG	AGAGAGAAGAGGGAGCAGGG	MONCS0298
CGR5217	CGAAATCCAAACACAAGAAC	ACGCCTTGGTTTGCTTCTAC	MONCS0299
CGR5218	TCACAGGTCTCTTCACTTTGCT	AACAGCTGTCGCCATTCCT	MONCS0300
CGR5219	ATAGCCATCATCCATGCCAA	GCCATGATAGAGCCAAGATTCA	MONCS0301
CGR5220	TGTGACTGAACGTGGATGAAA	CTACTCCAGAAGGCATCCAAA	MONCS0302
CGR5221	CATGTCTAACTCCAGCCCAAA	TCCAGTGACTATGGCGAAGA	MONCS0303
CGR5222	AGTTTCCCGTATCCCACTCC	GGAAGTGGCGTTTAGAGGTG	MONCS0304
CGR5223	TGCACCCAAACTACATACCA	CCCGCTCTCACTCACTCTCT	MONCS0305
CGR5226	GACCGGAGTGCAACCACC	CTGCTGGGAGTCCGGTTT	MONCS0306
CGR5227	ACTGCAAGCTCTGCCCTAAA	TCACTTTCCCTCACACCTCC	MONCS0307
CGR5228	AAACGATCAGTGGTGCAG	ATTGGCAACCTCACATTGCT	MONCS0308
CGR5229	GGGAAGAAAGAGGAGAGGGA	CCTACTCTGGCCACCACCTA	MONCS0309
CGR5230	TCAGGAGTAAAGATGCGGAAA	CTTCGGAGACACGACAAACA	MONCS0310
CGR5231	TTTCTTCCTTCTGCGCCTC	CAGCACCAAAGGTGTCACTG	MONCS0311
CGR5232	ACGAGTATCCTCGCCTTGAA	GGACAGCAATATGCTTCCTTC	MONCS0312
CGR5233	ATGATGACGACGATGACGAC	GTTCCGGTGACGAGAACAAT	MONCS0313
CGR5234	GGATGGTAGGGTGGATGGTC	AGGAGTGCATCCGGCTAAC	MONCS0314

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5236	AGCTGAGCCTATGGAACCTG	CCTCCCTCAGCTAATCCCAT	MONCS0315
CGR5237	TGTCGGATCTTCATCATCCTC	GGGAAACCCTAGAGGTCGTG	MONCS0316
CGR5238	GTGGCGTTGTTGGTGGTG	TGGAAGTTCTGCAAAGCTAATG	MONCS0317
CGR5239	CTGCTGGGTCTTCTTGGGT	GGTGGTTTCGGGTAGGGTTA	MONCS0318
CGR5240	TGATTGTGAGACCTGATGGTG	TTGCTGCTCATCTTCGACAC	MONCS0319
CGR5241	ATGTGGTGGGCATGGATTAT	AGCTTCCACCCTTAGCTCCC	MONCS0320
CGR5242	CCCTATCAATGAGGAGAACTTA	GCAGTCAAGATCACAAGCCA	MONCS0321
CGR5243	CCCAAATAATCAGAGGGCAA	CAACCATCACCGTCGAGTC	MONCS0322
CGR5244	GCAGGGTAGTCGTTTGAGGT	TGGGAGTGTCCTTGTGATGA	MONCS0323
CGR5246	TATGCTGGCACAGCAACTTC	CGGATCCATAGTCACCATCA	MONCS0324
CGR5247	CTGACAGTCATCTGCTGGGA	GCAAACACACACTCGCACA	MONCS0325
CGR5248	TGAAACAACCCAACAACACT	TTGCATGGTGCTTGTTTAGC	MONCS0326
CGR5249	ACGGTGAGAGGTTGGGTCTA	CACCCACTTCGAATAGCCAC	MONCS0327
CGR5250	TATTCCGAATTCGACCTGCT	TTGAGGCTTAGAATTGCAGA	MONCS0328
CGR5251	AACGAGATTTGGTGGCTCC	TCTCACCATTCTCTACGATCACTG	MONCS0329
CGR5252	TTCACGAAATACAGCCTCCC	AGCATGGTGATGGCGATAGT	MONCS0330
CGR5253	CCTTGAACGCATCATGTCAC	ACGTTAATGGCGACACTTCC	MONCS0331
CGR5254	GGTGACAGAATCAGAATAAGGTGA	TGGGTTGGGATTGCATTTAC	MONCS0332
CGR5255	GTGCCAACGGTTCAGAAGTT	GGCAAGTATGTCGTGAATCG	MONCS0333
CGR5256	CACGTGGCACATTGAGGAAT	GGCAGCAATAGTTGGTTCGT	MONCS0334
CGR5257	AGGTGGTGGTGTATAACGTGG	CCCATCACAACACCAAAC	MONCS0335
CGR5258	AACCAGTCTGGAAGATGGCA	CCTGAACGTCATCACCCTCT	MONCS0336
CGR5259	ATGGTGGTGCTGAAGACTCG	CGTTGTCCTTACTTTCATCATCC	MONCS0337
CGR5260	GAATCCGGTTGTAGTTCCGA	CCATGAACAACATCAGGTGC	MONCS0338
CGR5261	GCCTGACTCTGGATCCTCAA	GTTGGGTTCCTCGCAATTTAT	MONCS0339
CGR5262	CGCCGGATATAGAGTTGGAA	CCCGTCGTTCTCTTTCTCAT	MONCS0340
CGR5263	TAGAATCCGGTGGAGGAGGT	TTCCACGAGATTCAGTAGGTCC	MONCS0341
CGR5264	ATGGAGGGAGAGAGGAGGAG	TGCTCTCACCACTCAACTCTTT	MONCS0342
CGR5265	CAAGTCTCACTCATCTTTCCATGA	TATATGTCGGGCATGGAGGT	MONCS0343
CGR5267	GATTTGTGTTGGCTTGGGTT	AAGATTCCCACCATCAAGCA	MONCS0344
CGR5268	TGCAACAAGTGGTGGAGGT	CAGGATCACCATCACGATCA	MONCS0345
CGR5269	CTGCTGCTGTTGCTGTTGTA	CCTGCGGAAGCTCCTACTTT	MONCS0346
CGR5271	TGATGGAGATGAAGACGATGA	ATTCCCATCACCAACAGCAC	MONCS0347
CGR5272	TTATCCACTGCACCATCACC	TGCTGCTGTTGGTTATTGCT	MONCS0348
CGR5273	TGTCTGTTTCCTTCTGTGTTGATCT	CTAGGTAGCATGGGTGTGTTCA	MONCS0349
CGR5274	GATGATGATGGTGGTGTTGC	CAACAACACAAACGCAGAAA	MONCS0350
CGR5275	TCTCCAAGTATCTCCATTTCTTCTC	GGCCGGTTAGCATCAAATTA	MONCS0351
CGR5276	ATTCCATCTCCAACCACAGC	AACACGCTTTCCAGCTCTTC	MONCS0352
CGR5277	TAGGCTGATTGTAGGGTGGC	TCACCACCTACCTCAATCCC	MONCS0353
CGR5278	TCAGAATCACCCAACCATCA	GGAAGTTGGCGGATAGAACA	MONCS0354
CGR5279	GCCTGGTAAGGAAATAGCACA	CCATTATTCCCAGTCCCAAA	MONCS0355
CGR5280	GCTGTGATGAAGATGGGAGG	TCTCTCATAATCCACTTTAGTCGC	MONCS0356
CGR5281	GATGAGGAGAGGAGGAACAAA	GCTTATCAGACCTGTTCACCC	MONCS0357
CGR5282	AGGCTCCTTATGACGTGGG	ACCTCCTTCCCTCACACCTT	MONCS0358
CGR5283	AGGATGTTCTGGCTGAGCAC	TATCACGCCAATGCCTATGA	MONCS0359
CGR5284	GCGTACCGGTAACACAAAGG	CCCTCCTCCTTCTTCTTTCTTCT	MONCS0360
CGR5285	ATGACCACCGATTGATGACG	GGATAGTCCCGAGCTGTTGA	MONCS0361
CGR5287	CAGCTACAGGAGTCACACTGC	ACACCTTTACGCTTGCTCGT	MONCS0362

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5288	GGAATATGTTTCATGGAATGGC	CTTCCTTTCCTATCTACCCATGC	MONCS0363
CGR5289	GACGAATGGAGGTCGATGAT	AGCCCTTACACAACCGTGTC	MONCS0364
CGR5290	GACAAGGACAAGTGAGGTAGGT	TCCTTGTCGTCATCCTCCTT	MONCS0365
CGR5291	GCTGTTGTTGTTGCTGCTGT	AGTTGGGAACAATGGACTGC	MONCS0366
CGR5292	GCGAGCTGCAGTCTTAACAA	GTAAAGCAGTGGTGGCGTTT	MONCS0367
CGR5293	CAGCTAGGGTTTCCGAAAGA	CTGCTGGGTCTCTTGGGTAG	MONCS0368
CGR5294	TGGTGGTGATGATGATGATG	ACCACCACCACCTCCTACAT	MONCS0369
CGR5295	CGACGGTGAAGGCTAGGTT	GGGTCAGGTCGTGCTTTATT	MONCS0370
CGR5296	AAGTGGGATGGTGAGAGTGG	TGCTTACTGCACCTTCCCTT	MONCS0371
CGR5297	CACCGTCCTTCTGGATCATT	TTGCGATGTGAGGAAGAAAG	MONCS0372
CGR5298	TATCTCGTCTCTGCAGCACC	CTTTCCACCCTTCCGCTGT	MONCS0373
CGR5299	GTTTGTGGGTGTGATGAGGA	TCCCTAAACTCTCCCAACCC	MONCS0374
CGR5300	TATCGTCTCGATCCCGTTTC	CTTCACCATCACCACCAGC	MONCS0375
CGR5301	GCTCCTCTTGCTAGTCCACCT	GAGCTTTGGGTTTGGAGACA	MONCS0376
CGR5309	CCTCTCCTGACTCTCCCTGA	ACCCGTTTCTTGCAAACAGT	MONCS0377
CGR5311	CCCTGTTCTGGAAACAACTCA	AGTCCCAATACAAGGCATCG	MONCS0378
CGR5313	ATGCTTTGGTGTGGCTTACC	GTTAAGCCTCTAGCCGGGAT	MONCS0379
CGR5324	CGGTTTCTTTGCAGGATGAA	CAAGGGAAAGCAAAGCTACG	MONCS0380
CGR5326	TCAAGGCCACTTTCCATTTC	AACATCCCAAGTCTTGTCGG	MONCS0381
CGR5327	TCTCTCTCTAATAATTTCCCTCCTCC	AAAGCGAGAAGATCGAGGAGAT	MONCS0382
CGR5330	TACCCTCTATCCACCTCAGAACA	AGAAGGATGAAGAAGCAGGTGA	MONCS0383
CGR5331	CGTTTCCCTCCTCCTCCTAA	CTCCATGGTCATATGCAAGC	MONCS0384
CGR5334	AGCATTGAGGGCCTTTGTTT	ACTTGCCACGTTCATCACAA	MONCS0385
CGR5335	CAGGCCGTGATCTGGAAC	GAGCATCCGTCATCTGCTTT	MONCS0386
CGR5336	AGAAAGGGCGAGAATGGAAT	TGCTTTATTGGTGGCGTACA	MONCS0387
CGR5338	TTGCAGAATATGACCTCAGCA	ATCTCTGGCACTACGGTTGC	MONCS0388
CGR5340	GGTGAACCAGTCGGAGATTT	AGGCCACCGATCTTCACTC	MONCS0389
CGR5344	GTGGTCATGGTCATTTGGTG	TGATTGTGTCTCACCTTGCC	MONCS0390
CGR5345	CAAGGCCTCTCAATCATTCC	TTGGGCATTAACAAGAACCC	MONCS0391
CGR5348	GAATAACGACAGCGAACGGT	TTTCCTCTTTCTCGTCCAGC	MONCS0392
CGR5349	GGGAGCTTAAACTTGCCTCA	CACTCACATTCTGGAATTCTTC	MONCS0393
CGR5350	TCCTCAGATTTCTCTCCCGTT	AACCCAGAACTGGTTTCAGC	MONCS0394
CGR5352	CCCTTCTTCAACACCAATCTC	AAGAAGAAGAGCACCCTGGA	MONCS0395
CGR5354	TCCTTCTCCGCTACCTAAGACA	ATCGAGCCAAACCTTTCCTT	MONCS0396
CGR5355	GGCATGCTTGAAATACATGA	GATCATGCCTCGGTGAGAAA	MONCS0397
CGR5356	TGTCTGCCCTCCAACTCCT	TTGTGCATGCCCTCTAACAG	MONCS0398
CGR5358	GGTCCTGTAATCCCAGAGCTT	TGTTCTCATCGACCAATCCA	MONCS0399
CGR5359	CGTTTGCGTGTCTTCTCATC	CGAAATGAAACTTCCGGCTA	MONCS0400
CGR5362	AACATGCCGATGGAAGAAAC	CATAGAACCTCTTGGGACCG	MONCS0401
CGR5363	TTTAATCCCAAACCTTCCACC	CATTTCCAGACGAGCTCTGA	MONCS0402
CGR5369	GACACTCCGTTTGGAGCAAT	GGGACCATCCCTGTTGATCT	MONCS0403
CGR5371	CCCAAGAAGAAGAGGAAATGG	TGGGTCATCTCTCTCTGCAA	MONCS0404
CGR5372	GGGCTCACCTCTTCAGAGAA	ATATGGGAGGTGTGGGAACA	MONCS0405
CGR5375	CGTCCGGTCAACTGTCAAAG	GTCGAAACGGTACTGTGGGT	MONCS0406
CGR5376	TATGTGCGAAGATGCTACCC	GCTCTTGGGCATTAGACGAT	MONCS0407
CGR5381	TGCTTGCCAAGAAAGAGATG	TGCTGCAATCACAAGCAGAT	MONCS0408
CGR5382	GATTCCAGCGAAGGGAGAG	TCGATCTAAAGCCGCAATCT	MONCS0409
CGR5383	CCACGCGTCCGTGAATTA	TTGGATCAAGTGAACATGGAAG	MONCS0410

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5385	GTCCGCTCAAATGCCACC	GGAAGGGAAAGCATGGAAGT	MONCS0411
CGR5386	TCAGGTCAAACTTGTGGGTTC	TTCAATGATTCAAGGACCGA	MONCS0412
CGR5387	CCTCATGCGATGCTCAAATA	GGCGATGAACTCTCTCCAAC	MONCS0413
CGR5388	CCGCCGCCCACTACTACT	CGGAGAAAGTGGTGGTTGTT	MONCS0414
CGR5390	GCGAGATCTTAGCCGGTTT	ATCCATTGCATTGAGCTTCC	MONCS0415
CGR5392	GTTGAGTTGAGGGTCTGGGA	TGATCAGTGATGGAATCCGA	MONCS0416
CGR5393	AGACTGATGCCAGTTGACCC	GGCATGCAAGCTTACTACCA	MONCS0417
CGR5396	GATTTGCTTCGCCAGATAGG	GAAGATGCCGCAGATTTGTT	MONCS0418
CGR5399	GTTGGTGAAAGACCAGGCAT	GTGTTAGAGAAACGCCTCGC	MONCS0419
CGR5400	TCTCATGTGAAATCCTCTCTCA	GTGATGTTGGTCGTGGTTTG	MONCS0420
CGR5401	ACGCGTCCGCTTCAACTC	ACAAAGCCACCAGGACTGAG	MONCS0421
CGR5405	TGAAGGAGAGGAGGTGGTTG	GTCGCTGTCAGCCAGGAT	MONCS0422
CGR5406	TAATGGCGGCTAAACCTTCA	GGAAAGGATAGGAGCAAAGCA	MONCS0423
CGR5407	TTGAAAGTACTGAGGCTGCAAA	TGATGACGATCGCATAGACAG	MONCS0424
CGR5408	GGGCACAATCACAGATTAGGA	CAGTTGACTGCATTGGTTCG	MONCS0425
CGR5409	GATGAGGATACAAAGTGGAATGG	TTCCTGACGCCTTCTTTCAT	MONCS0426
CGR5410	CAATGGCGTTGAAGTTAGCA	AAAGGGCGTGAAACAGGG	MONCS0427
CGR5412	TTCATGGAACAGAACCAACG	CATGATGGCTCGAAATACCA	MONCS0428
CGR5415	TACAAAGCCAGGTCAAAGGG	ATTTCAGGGTCATTGCCAAC	MONCS0429
CGR5416	TCCTTTATTGATGCAGATGGG	ACATTGGTGGCAATTCCATT	MONCS0430
CGR5417	GCTGACTTGTTCTTAACTTCCCA	GGATAGAATTTGACCCATACTGTCT	MONCS0431
CGR5419	CACGCATTTGCTCTGAATTT	TGCGTAAGCTTCCAGACCTC	MONCS0432
CGR5421	GAGAACGAAGTGAAATAGGAACAAGAG	ATGCCTTAGTCACAAAGAGAAAGG	MONCS0433
CGR5422	CCAACACTCTGGTCTCTCCTC	TTGTGCTGAGAAGCGAGAAA	MONCS0434
CGR5423	AGAACCATTGCGGGTCATAG	GACCGGTTAGTGGAAATGGA	MONCS0435
CGR5424	CGGCCCTAAATTTGAAACC	GGGTGAATGGGTTCCTTTG	MONCS0436
CGR5426	GGATCTCTTCCCACTTTATCCC	TCATCAACAGCCATTCCAGA	MONCS0437
CGR5428	AAATTTGCTGCTCCTTCAGC	TGTGAAGAGCAAAGCAGAGAA	MONCS0438
CGR5429	TGCCCTAAAGCCTAGCAGAA	TACACTTTGGCGATTTGCTG	MONCS0439
CGR5433	GCCAATTCACATGGAAACAA	TGCCATTTCACTTTCATCTGTC	MONCS0440
CGR5436	GCTCACCCTGGTGAACAAA	GAGCCTGAGGCAAGTCAAAG	MONCS0441
CGR5441	TTCCAGACATCCATCCATCC	TGAGCGCCTTTCCAGTAAGT	MONCS0442
CGR5443	AACAGCAGCAGTTTCTGGG	GCTGCTTCTTGGGATTGGTA	MONCS0443
CGR5444	GGAGCTACAACTCTTTCCTTCG	TGACCAGCATCTGCTTCTTC	MONCS0444
CGR5446	TTATTGCAAGAAAGGCGGAC	ACTCAGAGTGTGGCTTCGGT	MONCS0445
CGR5447	AGCCTAGGAGGAGAAGGTTT	CCTTCTGCTCACAATGAGTTT	MONCS0446
CGR5448	TTTAACCCACCAACCTGCTC	GTCCGTTCAAAGTCGGGTTA	MONCS0447
CGR5451	CCCACACACATTCTCACTTT	CGACTCATATAGGCGAAATGG	MONCS0448
CGR5452	ATCCCGGGAAAGTCACAGTT	TATCGGCAACAATGGTGTTT	MONCS0449
CGR5453	GCTCTTGAAGCAGCAGCAG	CCCACCATTACTGGGCTTTA	MONCS0450
CGR5457	GCGCTTCAAATCCCTCTCTA	AGAAGATCAGCGTGTTGCCT	MONCS0451
CGR5459	CCGCAACGTGTTTGAAGTTA	CCAATTTGCAACCCAATACC	MONCS0452
CGR5463	CGAATTTCGTTCCTCACCTC	CGACCAAACCTCAAACAATG	MONCS0453
CGR5466	TCTTTCAACAGCTAGGGTTTCA	AACTTCCCTGCCTGCACTTA	MONCS0454
CGR5474	GCGGGTACGGTTAAGAAGGT	TGTGGAAAGAGAAACCTAAGGG	MONCS0455
CGR5475	TGAATTCATCACCGCAACAT	TGGAACCTCCTTCGGTACAC	MONCS0456
CGR5476	TTCTAGTCCAAGCCATGCAG	GGATCTCGAATTCTTTCTCTTGAC	MONCS0457
CGR5481	CACCAAGCAATATGCCACTG	GATCCTGATAGTGAGTTTCTTCTTC	MONCS0458

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5482	TGGAGAAATAAGGACACAACCC	CAGCATCTGCCTCTCAATCA	MONCS0459
CGR5484	ACGTCATGCATTGGTGTTGT	CGGCTCTCCCTCTCTCTCTT	MONCS0460
CGR5485	AGCTGCAACTTCCTTGTCGT	CCGTCCGTACGTCTCTCTCT	MONCS0461
CGR5486	TGTTTGTTGATAGTGTGACTCG	TTGCACACGACTTACTAAGCTA	MONCS0462
CGR5487	CTGACTAAATCAACCCAAACCA	CCCACACCTATCTCCTTCTTCTT	MONCS0463
CGR5488	TCGAGCTGGAAATTTGGAAG	ATTGTGTGGGAAACGGTCAT	MONCS0464
CGR5489	GCTGCCGCTACTAAACCTTG	GTGAGAGACTCGCGCTTCAT	MONCS0465
CGR5490	CTGGAACATCTGGAGCCATT	TGCACCCGTTTCTCTCTCTC	MONCS0466
CGR5491	GAGAGAGGGAGAGAGGGACG	TGTCTCTCATGCACCTCCAG	MONCS0467
CGR5492	TCACTTCGGTGAGTGTCGAG	AATGGCGCACTACTTGCTTT	MONCS0468
CGR5493	TCGAGAAGAAGACGCCATTT	GCGAAGCCATGTGAGCTTAT	MONCS0469
CGR5494	GCCATTGCAAAGGAGAGAGA	ATCCAACGGCTCACGTTTAC	MONCS0470
CGR5495	CGCTGTGTGTGTGTGTGGTA	CGCAGAGACCAGAGCAGTC	MONCS0471
CGR5496	CGAACTTCTCCCTTCTCCCT	AGTGGTCAAAGATCGCAACC	MONCS0472
CGR5497	GGGACATTTGGTCCCTATAA	AGTGAGTGTGTGTGTGTGCG	MONCS0473
CGR5498	GGGACTACCCACTGCCTTT	AATGACGCCTCCTCCTCCT	MONCS0474
CGR5499	GCCGACTTTACAAGGCTCAG	ATGCTCGTCCAAGTGCTTCT	MONCS0475
CGR5500	TTCAGATCTGGGTTTCTGGG	AGAACCGACACATTTGACCC	MONCS0476
CGR5501	TCTCTCTTGCTGGTCACGAA	TGCCAAATACCCAAATCCAT	MONCS0477
CGR5503	GCTGCTTCCATGCCATTATT	GGGTCGCTTTGTAAGTGAATG	MONCS0478
CGR5504	CTGGAACACCGACCAATAGC	TGTTGTCTCCCAACAACTGG	MONCS0479
CGR5505	GCCAGGCAGCCATAATTTAC	TGGGAGAAAGCTCTCGATTC	MONCS0480
CGR5506	CAGCAACCACAATTCGATCA	GAAGTTGCTGTTGGGAAGGA	MONCS0481
CGR5508	CAACTTTCCGAGCTGGATTC	TGATCGAGGAATGAAAGCAA	MONCS0482
CGR5509	AGGCTTCTAGCAGGCATCAA	CCGATCTTTACAAGTCTCAGTCA	MONCS0483
CGR5510	AAGCCAGATCCATGACCAAA	CCTCCAAATGTTGCTCCAAG	MONCS0484
CGR5511	GGGAGCTGGGTTCTGAAGAT	TCGTCTAATTCAACCACCTCG	MONCS0485
CGR5512	ATGGTGGTAGTGGTGGTGGT	CCATCACCATGGCATACATC	MONCS0486
CGR5513	TTCTTGGATGCTCGCTTTCT	TCTATCTCCCTGCTCTCGCT	MONCS0487
CGR5515	AGACGCTGTTAGGAGTGGGA	ACTTTGTCGTCGTTGCTCCT	MONCS0488
CGR5516	CCGAATAGCTGGGACTCTGT	GAAGTTGCGACGTCAGGTTT	MONCS0489
CGR5517	CGGTGTGGTCTTGATGAAAG	TCACGCTTCACACCACTCTC	MONCS0490
CGR5518	ATTCCGTTCAGCTCAAGCC	GATGGTGAGGTTGGGTTGTT	MONCS0491
CGR5519	CCGTCATAACTCTAGCCACCA	AGCAGGTGCTTCCTCAACAG	MONCS0492
CGR5520	ACGGGAAGTTGAGTCTGAGG	CATGCGCCTTGCTAAAGAA	MONCS0493
CGR5521	AAATCAGGACCCACAGGTTG	ATGGTAAGAGCCCAACAACG	MONCS0494
CGR5523	TTCCCTATTATGCCCTCGTG	TCGCAAGGAGTTCGATTCTT	MONCS0495
CGR5524	AAACGATCATGGCAAATGGT	CAATCGATGTGGGACAAACA	MONCS0496
CGR5525	TGAATATTTCCGGGCTCATC	TTGATCATCCTCTTCCTTTGC	MONCS0497
CGR5526	CCACCCGAATCTCACTCTTT	CTGGAATTTGCTTTGCTCGT	MONCS0498
CGR5527	CGTGACACTCCTTGTCTCCT	GTGCGCACAGAGAGTCATTG	MONCS0499
CGR5528	GAATGCCCATTGCTTTGTTT	ACAACCAGAGCCTGTCTTGC	MONCS0500
CGR5531	ATGAGACTGCTTCATCCATGC	GACAGAGAGCAGAGGAGCAGA	MONCS0501
CGR5532	TGCCTCTAAAGTCGGATTGG	CCCTGATTGTGTGTTGAGTCC	MONCS0502
CGR5533	CAAGGGTGGGATTTCAGAGA	GCTTACCCACTGTTAGTCTGGTC	MONCS0503
CGR5534	TCAAGTGCAGCAAGGATGTC	TGAACACTGGCGTTCTGAAG	MONCS0504
CGR5535	GTGTGTAAAGTGATAATGTGGTGG	AGCTTAGCGATGCTAGGAAA	MONCS0505
CGR5536	GATTTGACCTGCTGCTGGAT	CGACCCTTGACTTCCACCTA	MONCS0506

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5537	GCAATGGTGAGTTGGGAAGT	CATATTAGCCCATTGGGTGC	MONCS0507
CGR5539	TGTAAATTCCTTGGAGGCTTG	CGTCGACGTAAGAAATCCAA	MONCS0508
CGR5540	CGCAAGGTAAAGATGGAGGT	CCACGATATTCCTCAACGTG	MONCS0509
CGR5541	ATCAATTGGTGGAGGAAGCA	CACAAACCAAATAAACAGCCTC	MONCS0510
CGR5542	TTGCTGCAGTGGATGTTAGC	CTTCCACGAAGGCAACTGT	MONCS0511
CGR5543	GGGATTCTATCTCTACAACTCATTCC	GTGGCAGAGGGTTGATGTTT	MONCS0512
CGR5544	CTTGATAGCACGACAGCGAG	GATGAGAGAGAGCGCGAGAC	MONCS0513
CGR5546	CACCACCACCGTCACTTCT	CGCCAATGGCATTTCTTACT	MONCS0514
CGR5547	GCTGCAGCTTTCGAATCTAACT	GGAAGCTCTCTTGACGACGA	MONCS0515
CGR5548	GCCTGTTTCCGATGAATACG	GCCCATGGACTGAAACTGAT	MONCS0516
CGR5550	TGAGGATTTGGAGGAGAGGA	TCCCACTGCAAACCATGTAA	MONCS0517
CGR5551	CTCGACCGGTTTCGTTATTG	GGTTCTTCACTGGACTCCGA	MONCS0518
CGR5552	GCGATGCAAGCTAGGGTTT	GGGTTGACCACCCTGAGATA	MONCS0519
CGR5553	CCTGACTACGGGTGAAGGAA	ACCGAGCAATAATCCAGCAG	MONCS0520
CGR5554	GGTTTCCTGGTGTTCCTCCT	AGAAAGAAACACAGATGACGGA	MONCS0521
CGR5555	ACAGCTTCAATGCCCGAGT	TCGGTTCCACTCTCGTTTCT	MONCS0522
CGR5556	CCGTAGACTGAACTCGGGTC	GTCACCTTCCGAGAAATCCA	MONCS0523
CGR5557	CAGTCCCGCTTCAGTCTTTG	TTAAGAAGAAGTGGTGGTGGGA	MONCS0524
CGR5558	TGAAGCGAAAGCTGTTGATG	AGCTTACCTGTTGGTGGTGG	MONCS0525
CGR5559	GAGCCTCAACAGAACCAAGC	GCAGCTTGAGAAGACTGCCT	MONCS0526
CGR5561	CTGAAGGCTGAGCACAAACA	GCTTATCGTAGCTATTCACTTCTAC	MONCS0527
CGR5562	ACAGTATGCCGAAGAGGGTG	TTGGCTGAATAGGATCCCTC	MONCS0528
CGR5564	TCCCAAAGTTAAGTGGCTGC	CTCTTGATCTCACTGCTCCG	MONCS0529
CGR5565	GCCATTAACCCATTAGGCAA	GCCATTGGAGCTTATAAGGATG	MONCS0530
CGR5566	GCAGAAGAAGAACAGCCGTC	GGAGGTGTCTCCGAAATGG	MONCS0531
CGR5567	AGACATGCACATGTAGAGCACA	GGAGGAATTGTGGGACAAGA	MONCS0532
CGR5568	TCCGGTCTTCCTCATCTCAC	GTGAAGCCATGAAGCCATTT	MONCS0533
CGR5569	GGAGGTAGGAGAGTTGGAAGAA	AGTTTAGGAGCCAGCCCAAT	MONCS0534
CGR5571	TGAACATGGAAGTCCCACAA	GAAACTCGTGTGTCGCTTGA	MONCS0535
CGR5572	TCTCCCATCACCATGAGCTT	ACCAGACGGTCCTTAATCCC	MONCS0536
CGR5573	GATTCTAAGCCCAAAGTATCTGGT	AGCCAAATGCACCATCTCAT	MONCS0537
CGR5576	CGGTTCAACCCGACTGTTT	GAGGAAAGAAAGGAAGAGAGGG	MONCS0538
CGR5577	TCAGGGCAGTTTCGATTCTC	CTCTCTCGCACACACACACA	MONCS0539
CGR5578	ACCACCCGATACCCAAAGAT	GTGCCGCCACTGGTAAACT	MONCS0540
CGR5579	AGCACTGCTTGCCTTCATTT	GGGTTGTTTCAAGCGTAGATCA	MONCS0541
CGR5580	ATGCGGATCATTGGAACATT	CTGCTAGCCCTACTTCTGGG	MONCS0542
CGR5581	AATTTCCATCTCCGCTACCA	GCTTCCTGTCAAACCATGAA	MONCS0543
CGR5582	GCTACTCCCGTAAGTGCTGC	CCACCCTGTTTATTTCAACCC	MONCS0544
CGR5583	ATGTTGGAAGGTGGGAACTG	GTGGTGAAGCAGAACAGCCT	MONCS0545
CGR5584	TCTACAACTCTAGCAAGGAAGGG	CTTCCCGACCCAGAATCC	MONCS0546
CGR5585	GCAACATCTGGATCACCAAG	CATGCCATTCCCACTAATCT	MONCS0547
CGR5587	ATTGTGGACGATGGTTGGAA	ATAATGCTAGGGCATGTGGC	MONCS0548
CGR5588	GGAATCCTTGAATTGCGTGT	AAAGGGACTTGGTTGAGGAA	MONCS0549
CGR5589	CATGTCAGAAACCAGGGAAA	AACCCAACTTGATTTGGTTCC	MONCS0550
CGR5590	TCAACCGATCTCCAATCTCC	AACCCAGCGAATCAGAATTG	MONCS0551
CGR5592	TGCTTGCTTCCATGAATTTG	AAGGGATGTGATTGTCGAGG	MONCS0552
CGR5593	ACACGAGGAGCCTTGCTATG	AAGTAAGAAGCGGCGGAGAT	MONCS0553
CGR5594	GCCAGTCGGGTCAGAAATC	AAGTGGCAGTGGGATAGGGT	MONCS0554

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5595	CACGCGTCCGAAATTTACA	AAGTTCTAGCTAGGTTCTCCAATGA	MONCS0555
CGR5596	TCTTTACAAACTGCGTCCTCTT	AATGCCATGAATTCGAAAGG	MONCS0556
CGR5597	ACATGGTGGGAATGAGAAGC	AATGTAGTGACGGGCCTTTG	MONCS0557
CGR5598	AGGAAGCAGTGATTGCCTGT	ACAGCCAGAGCAAGCTCAAT	MONCS0558
CGR5599	CGCCATTCCCTCTCCTTACT	ACAGTGGTGGCTGGTCAAAT	MONCS0559
CGR5600	GGACGCGTGGGTTTATTT	ACATGTCGATCGCAGAAGC	MONCS0560
CGR5602	ATCGCCATTGTTTACTGCTA	ACCCTTCCACCATTAAACCC	MONCS0561
CGR5603	TTACGTGGGTCCTCTCAAGG	ACCGTACGATGTGGGTGATT	MONCS0562
CGR5605	GGTCATATGGGAAACAAGGC	ACTCTGCTGCTTCTTCCGAG	MONCS0563
CGR5606	TTGTTCTTCCACAAGCGAAA	ACTTTGATGCAGAGAATCTGAG	MONCS0564
CGR5608	ACAACACTGGAGAGCCCATC	AGAAGGTTGTTGGTCAAGGG	MONCS0565
CGR5609	TCTCCGGGCTTTAATCCTCT	AGATCTCCCATGCCTTCCTT	MONCS0566
CGR5610	ATGCTCTGCCATGACTGTGA	AGCAAGTTCAACCACCGAAG	MONCS0567
CGR5611	GGCGGCTGAAGAGTTCATTA	AGCACCCTTGCTAAATGGAT	MONCS0568
CGR5612	TGCCATTTAGGAGCATGACA	AGCAGCAACAACAGCAACAG	MONCS0569
CGR5613	CGTGCTCGCAGAAGGTAATA	AGCCATGGGCTTTCTCTTG	MONCS0570
CGR5614	TTCCAAGCTTCCTCTTGCTC	AGGAGGCCAGAAGGAGAGAG	MONCS0571
CGR5619	TGATTTGCTGTCTGTGTTTG	AGTCCCGTACTCGTACCTGC	MONCS0572
CGR5620	ACAACGTTTGCAGATTTCCC	ATAAGAAGCAGGCAGAGGCA	MONCS0573
CGR5621	CATCCTGACCATCATATGCC	ATCCGATGGGAGATTCACAC	MONCS0574
CGR5622	TATGTCGTTAATGGCTGGCA	ATCTCAAACCGATCCGAACA	MONCS0575
CGR5624	CCTGGGACACCCAAATACAC	ATCTTTGGGAACAATGCCTG	MONCS0576
CGR5626	CACAAATGGTGCAAGAATGG	ATGCTCTTCGATTCAATGCC	MONCS0577
CGR5628	CACATAATTTGCAGGGACAA	ATTAGGACGGAAGGCCAATC	MONCS0578
CGR5629	TATTGCAGACTGTGGAGGCA	ATTGCTGATTCACAACCACA	MONCS0579
CGR5630	CTCTTTATCCATCAACCCTCG	ATTGTTGGCACAATCGCTAA	MONCS0580
CGR5631	GATGGCATCGTTAAACTCCC	CAAGGAGTTGGACCCAGAAG	MONCS0581
CGR5632	TTCTCTCTGTCTTGGGTCAGC	CAATAAAGGTCCATCCGAGG	MONCS0582
CGR5633	CAAGAACAACGTATTTGGACC	CAATCCAATTCAGACAGACATC	MONCS0583
CGR5635	CCATGAGACTAAAGTGGGAGAA	CACCATCGTTGGTTCCTCTT	MONCS0584
CGR5636	TCACACTCTCTTCGTGCTCC	CAGAAACCCTGCTTGTAGCC	MONCS0585
CGR5637	GAGAAGGAAGAGAGAAGGGAGG	CATGCCCATCACCGTCTG	MONCS0586
CGR5638	ACAAGGTATTGTTGCCCAGG	CATTGTCATTGTCTGCCGTC	MONCS0587
CGR5639	CGTTCTCGGTCTCCTCTCAC	CCAAAGTTTCAGGCAAGTCC	MONCS0588
CGR5640	TGCCTTAATTCTGGATGCCT	CCAGACAAACATATATGGGTAGTGA	MONCS0589
CGR5641	TCGCTTTGGATTAGTGACCC	CCAGCAGGAATAGAACTCGG	MONCS0590
CGR5642	CCGCACTCACCAAAGCTAAT	CCATGACCATTACCAGTTGC	MONCS0591
CGR5643	AGGTAAGGCAATGGCACAAC	CCATGATCACCTTCTATCCCTC	MONCS0592
CGR5644	TTTCCTCCTCTTCCTGCTCC	CCATTGGTGTAGGGTAAGGG	MONCS0593
CGR5645	GAGCGGAGAGTCCGGTTT	CCCAAACGAATCAAAGATGG	MONCS0594
CGR5646	AAATAAGCCTGACACCACCG	CCCAAATTCAATCTCCCTGA	MONCS0595
CGR5647	TGTGCCATACCACAGTACAACA	CCCAACGCAAGCATAGAGAG	MONCS0596
CGR5648	CGCGATAGAGAAAGAGACCG	CCCTATCCCTATCCCTGGAA	MONCS0597
CGR5649	TGGGCATAGTGATGATGAGG	CCCTTCTGTACTTGTCAACCG	MONCS0598
CGR5650	TGACTTCCTGCGCTATGTTG	CCGACCCATGTTAAGCACAT	MONCS0599
CGR5651	TTTGGCTTAGCATTTGGAGG	CCGATCACTGTCCGTCTCTT	MONCS0600
CGR5652	TTCTAGACTTCCTCTCACTGCT	CCGTATTCTGGTTCTGTATCTGC	MONCS0601
CGR5653	AGATGAAAGGGTTGGTGACG	CCTAGCTGCTCTTCATTGCC	MONCS0602

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5654	CATCGAACACGCGGATAGTA	CCTCAAGTGAGTGATCCGTT	MONCS0603
CGR5655	AAGGCTCAGTGTGGGAACAG	CCTCTCTATTTGACGGCTGG	MONCS0604
CGR5656	ACCGAAGAGGAAGCTGAACA	CCTGCAATAAGGCGTTCAAT	MONCS0605
CGR5657	GAACATCAGAAATCAACCTCTGC	CCTGGAATATTCAATCCAAGTC	MONCS0606
CGR5658	AAACCCACTGTGGAAGAGAAT	CCTTCGTTCTTCTCTCTTTCTCC	MONCS0607
CGR5659	AAGGAAGGAGCAAGAGTCCC	CGCAATAGCATCTCACCAGT	MONCS0608
CGR5660	ATCGGAAGGGATAACAAGGACAT	CGCCTTGGCCTCTCCTTT	MONCS0609
CGR5661	TGAGAGTGAGCAGTTACAAGGG	CGGAGTATATGTCCCGCAAT	MONCS0610
CGR5663	GGCGCGAGTTTAGAGCTAGAG	CGGGTCTACCCGACTGTT	MONCS0611
CGR5665	AGAGAGCGTCGTTGACGG	CGGTTTGACCCGAGTGTAAG	MONCS0612
CGR5666	TCATCCAGGATCTCCTCCAC	CGTTGAATGATGCTTTGCAC	MONCS0613
CGR5667	TGGTTCGACGTTGGTTGTAG	CGTTTGTTGCAAATGGTCTG	MONCS0614
CGR5668	ATAAGACCACGCGACCAAAG	CTCATTTAGGGTTTGCAATGAC	MONCS0615
CGR5669	GGGAATCTCATCAACAACCC	CTCGGTAACTTGGCAATGGT	MONCS0616
CGR5670	CCCTTTCCTTCATTTCACCTT	CTCTCCCTTTCCCTGGACAT	MONCS0617
CGR5671	TGCAGTGAAGAACGTGAAGG	CTGAAGTGGGATCCTTGCAT	MONCS0618
CGR5673	GAAGAGCAAAGTCGAAGGGA	CTGCTGGGTGGTCTGCTGT	MONCS0619
CGR5675	GGCCGAACAGAAAGAACAAG	CTTGTCGAAGACTGACGTGC	MONCS0620
CGR5676	AGTCGACAACACTTGGAGCA	CTTTCCCTCTCCTCTTGTGC	MONCS0621
CGR5677	TGTAGTCCCGCCTAGTCACC	CTTTGGGTGGTGGATGAACT	MONCS0622
CGR5678	GGAAATTGAGGAGTTGTAGAAACC	GACCAAGCTTGTGCACTTGA	MONCS0623
CGR5679	TGGTGGTGGTGGAAGTAGAAG	GACCATCACCATCACGATCA	MONCS0624
CGR5680	GTCCGCTCAGAATGTATCCC	GACTCCGCTGAACTCCACTC	MONCS0625
CGR5684	AGAGAGTCTCCACAAGCTTCTTT	GAGAGGGCCATTGAGTTGAA	MONCS0626
CGR5685	AGGGAGGAGTGCTTCTCTCAC	GAGCCCTTCACCTTTAAGCA	MONCS0627
CGR5686	TGCATCATCATCACTCTCCG	GAGGATGACAAGCACGATGA	MONCS0628
CGR5687	ACAAAGATGACGGTGGTGGT	GAGGTTGAGCTTCCCATCAG	MONCS0629
CGR5688	GCGATCGTTCTCCCTTTCTT	GAGTGGTGGAGGTGTTTGGT	MONCS0630
CGR5689	CACTCCCATCCTTCTTCTCC	GAGTGGTGGTCGATAATGGG	MONCS0631
CGR5690	AAAGTAGTGCGCAGGTGATG	GATAACAAGGGCGAGGACAA	MONCS0632
CGR5691	GATTCACCAGTACCCACCGT	GATGCATTTATTTCCAACCC	MONCS0633
CGR5692	GAGGTGGTGGTGGAGAAGTG	GCAACACCAGTCACCATCTG	MONCS0634
CGR5693	ATCAGCCTGACATTTCCCAC	GCACTATCATCAACTGAAGAACCA	MONCS0635
CGR5694	CTTGCTTCAGGCGATCCTAC	GCAGGATCATTCGGTGGTAT	MONCS0636
CGR5695	AGGCGGTTCTTCTTGGAAAT	GCATTGTCCAGAAAGGGAGA	MONCS0637
CGR5696	TTTCCTCCTTCCTTCGTTTC	GCCATGAAAGTTGCAGAAGA	MONCS0638
CGR5697	ACGCGTCCGACATAACCTAT	GCCATGGAAAGTTGGGAATA	MONCS0639
CGR5699	AGAAACAGAGGGTGTGGACG	GCCTATCCCTCTCGCTCTTT	MONCS0640
CGR5700	ACTCGGTGTCGGACTTCAAT	GCCTGAAGGATTTCGGTACA	MONCS0641
CGR5701	ACCAAATGGGAGCTGTGTTC	GCCTGGTCTTATCGATCCTG	MONCS0642
CGR5702	CCCACTCACTCCGTCTTCAT	GCGTTCGAGTTTCTGAGTCC	MONCS0643
CGR5703	GATCTCTCCGCCCAAATCTT	GCTCTAAAGGGTCGATGCTG	MONCS0644
CGR5704	GAAGACATTGGGATCAAGGC	GCTCTTCCCACCATTACCCT	MONCS0645
CGR5705	ATGCCAGTGTTAGGCGACAC	GCTGTGAAGGAGAGTTAAGGGA	MONCS0646
CGR5706	GATGATGTGGTTGAGGTCCA	GCTTACTCTCAGGTTCAGCAAA	MONCS0647
CGR5707	AAACCCGATATCCTTAGCCTTT	GGAAAGGAGGAAGAGGAGGA	MONCS0648
CGR5708	GGTTGCTACAGACCCGAGAA	GGAGCAAGCAAGCAGGTTAG	MONCS0649
CGR5709	TCGGTTTGACCCGACTATTT	GGAGGAGGCTAGATCCGAGA	MONCS0650

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5710	GCGTCCGCTTCTTCATTT	GGAGGCGTGTGGGTATCTAA	MONCS0651
CGR5711	GAGCCAGCCAATCAGACTGT	GGAGGTAGGAGAGTTGGAAGAA	MONCS0652
CGR5712	GTCCGATTCTCTCTCCCAAA	GGATCGTTGACATCCCATTC	MONCS0653
CGR5713	GCCCTCTCGCCTCTTTATCT	GGATCTAAGGTTTGGCCGTT	MONCS0654
CGR5714	CAGATCTGGTTCGGGTCAGT	GGCAAATGAAGCGTCAGAA	MONCS0655
CGR5715	AAAGGCAGAGACGGAGGC	GGCGACAACATTTGCTACCT	MONCS0656
CGR5716	AAGTAAGCGGAAGAGTAGTTGA	GGGACTTCACTCCAACATCC	MONCS0657
CGR5717	CCGCTTTGTTACAGAGATGATG	GGGCATACTGATAACGGAAA	MONCS0658
CGR5721	CAATAATCGCCTCTCACGCT	GGTAGAAGGAGCTGGTGTGC	MONCS0659
CGR5722	GGGAAGGAAGAAGAAGAAAGAA	GGTCTACTGTGGGTCGGGTC	MONCS0660
CGR5723	TGCCAACTTAGGAGTGTAAAGT	GTCCAATACTCATCATCTCCAT	MONCS0661
CGR5724	TACCACCCTTCCTTTGACCC	GTGAGGTTTGGTGCATGTTG	MONCS0662
CGR5725	GAAACCGAGAAACCGAAACA	GTGGAGGACAAGGTTCTGGA	MONCS0663
CGR5727	CAAACACCGTTTCAAGCTCA	GTGTGCGTGTGGAAGACAAT	MONCS0664
CGR5728	TAGCACAAGCACCACCACA	GTTGCCGAACGTGAAATCT	MONCS0665
CGR5729	TTCGGTCTTGCTTCTCATCC	TAAGAAGCAGGCAGAGGACG	MONCS0666
CGR5731	ACTCGGCCATTGCAAATAAG	TAGAATGATTCGGCTATGGG	MONCS0667
CGR5732	GCCAAGGTTCATTCCTGAAA	TATAGGGCTCATCAGGGTGG	MONCS0668
CGR5733	AGCGCTAGGGTTGAAGGAA	TATTGTTAGGTCGGGTCGGA	MONCS0669
CGR5734	GAAGATTCCAAGCCCAATCA	TATTTGGGCCTCTTGGACTG	MONCS0670
CGR5735	TGTTTCCAGTGTGAAGGTCG	TCAATCGGAAGCTCCAAATC	MONCS0671
CGR5737	GCAGGGAAGGATATGAAGAGC	TCATCACCACAAACTCCCAA	MONCS0672
CGR5738	TTCAACCTCGCCATGGTTAT	TCATTGCCACGAAATCAAAG	MONCS0673
CGR5739	TGAAGGGCTTGTAGCTGTTG	TCCCAAATAAGCCAAACGAC	MONCS0674
CGR5740	GCCCTCTCCTTCTCCTCCT	TCCCACCTTTGGAGACCTTA	MONCS0675
CGR5742	TGTTGGTCATCTAGGTCCGA	TCCCGAGCTTGATTTGTCTT	MONCS0676
CGR5744	AAACGAACAGGGTCAACAGC	TCCTCCTCCTCTTCCTCCTC	MONCS0677
CGR5747	GCCAATTCCCAGACCTTCTT	TGAAACCGTTCTCCACTTCC	MONCS0678
CGR5749	TGAAAGGTAAACCACACGCA	TGACAGTGATCCGAATCTGC	MONCS0679
CGR5751	CAGCCGAAATGATGCAGAT	TGATTCACCGTCATCATCACTA	MONCS0680
CGR5752	TGGACTGGATTTCATTTCTCC	TGATTGGCAACATGATTGAG	MONCS0681
CGR5753	GCAGCAGCAACCTCCATATT	TGCATTTGGTCAGCTTTGAG	MONCS0682
CGR5754	CAGACCTGACAATGGGTCAA	TGCTGCTGTTGCTGTAGTCC	MONCS0683
CGR5755	CGTGATCTCCATTCCCTCTC	TGGAAGCACGAATGACAGAA	MONCS0684
CGR5756	AAGATGATCCAACACCAGGG	TGGAATGTAGCTTAACCCGTAA	MONCS0685
CGR5758	AAACAATAGCTTTCGCAGCC	TGTAACAATCACCAGGCACC	MONCS0686
CGR5759	CACTCCCTGAACCACTAGCC	TGTAGGTGGGAATGAGGAGG	MONCS0687
CGR5760	CCCACAATCATCACCACTCA	TGTAGTCGTCCATCCAACCA	MONCS0688
CGR5761	CCCATCACCCTTAACGCTAC	TGTGGTTGTGGTGAAAGCTG	MONCS0689
CGR5762	CACCACTAGCAACACTCCCA	TGTTGTAGTGCCCGCTGTAG	MONCS0690
CGR5764	CAGCCACAATAAACAATATCCC	TGTTTGTGTCATTGAGAGTTGG	MONCS0691
CGR5765	TTGCTGTTCATCAAGATGGC	TTCACTTCACCATCACCATCA	MONCS0692
CGR5766	CCACGCGTTCGTAGATCATT	TTCAGATTCCGGCGGTATTA	MONCS0693
CGR5768	CCTCGACTTTGTCGTTGTCA	TTCCCGCAATCTCGAAATAC	MONCS0694
CGR5769	TTTAGACACCGATCTTCCCTTT	TTCCCTCAATTATTGCTCCG	MONCS0695
CGR5771	CGTCCGCTCACTGCTCTT	TTCCTTATCGTCAGCCATGC	MONCS0696
CGR5774	TTTCCGTCAATTTCATAGGG	TTGCTTCCTCGACTGGTTTC	MONCS0697
CGR5776	CAAGTCACCACCACCATCAC	TTGGAGGATAAACTGGTGGC	MONCS0698

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5778	CATCATCATCCGCACCAGTA	TTGTAGCCGCTGATTGTGTT	MONCS0699
CGR5779	ATGAAGACCAACACCAAGGC	TTGTCGTCCTCATCCTCCTC	MONCS0700
CGR5780	CGGCACCTTAGCTCGTATTT	TTTCTTCCTTCTGCGCCTC	MONCS0701
CGR5781	ACACCAAAGGTGCCAAAGTC	TTTCTTTCTTTCCTCTCCTTCC	MONCS0702
CGR5783	TTGAAGAACCGTTGAAACCC	TTTGACGAATCTCCTCCAGC	MONCS0703
CGR5784	GTGAATGTGATTTGGGTTTGC	TTTGTCTGATGAGCTTAATGCC	MONCS0704
CGR5786	GAGAGAGGAGAAAGGCCGAG	TTGTGGACTACCCTGAGAGG	MONCS0705
CGR5787	TCCCAAGAATGACATGTAGCTG	GCATGTGGATGTCCATACCTTA	MONCS0706
CGR5790	TTCATGAACTAGTATTCTGCCTGTC	GCTTACCATCACTCTCATGATTTC	MONCS0707
CGR5792	TAACCCTATCTCGACGACGG	ACGATGCTTGAAGATGGCTT	MONCS0708
CGR5793	CACCAAGCACTCTAGAAACTGAAA	TATGCTTCTTGCACGCAGTT	MONCS0709
CGR5794	TGACCTGAGCCGTGAACATA	ATGATAATCCGTGGGCTTTG	MONCS0710
CGR5795	CACGCTAAGCTTGCTATCCG	CCTGCCAGCATTGTGAGTAA	MONCS0711
CGR5796	AAGCAGCCGAGTAGTTCACC	CAGGGTATTGTGCCAAAGGT	MONCS0712
CGR5797	TTCACCTCCCAAAGTTCACC	CATCAGATGCACAACCAAGG	MONCS0713
CGR5799	CGCTGCGAGAGCATAGGT	AAATCCAAGCTGGTCTACGC	MONCS0714
CGR5800	AAGAGTTAGCGTAACCAGCAAA	CAAACTTGAAAGGGTGAGGG	MONCS0715
CGR5801	GCCGTATACATCTCATTTCCC	GGAGTAGAGAGGGAGGGTGC	MONCS0716
CGR5802	CGATACCACCTTCTGTCATTG	ACCAAGCAGGGTTGAATGTC	MONCS0717
CGR5803	AAATGGAAGCAACAGGCTC	TGGGTGGTAACCAATGGACT	MONCS0718
CGR5804	GTTGACAGGACATTGCTCCC	TGCTACATTTGTCCCAAATCC	MONCS0719
CGR5805	ATGATGGGCGCCATGTTT	GCCCTTCACAATTAAACGCA	MONCS0720
CGR5806	GGAATACGTGACACCTTGGG	GGGTTTCGAGGTGGAGATTT	MONCS0721
CGR5807	TCTTTGACAAATCGGGTTCG	CCCTAACAGTAATCGGCAGC	MONCS0722
CGR5808	TCAAACTACAACCCTTGAAGCA	TCAATGTGTCTTGCTTCTCTCC	MONCS0723
CGR5809	GGCTCGAAGAACTCATTTCG	CTTAACGCTAAATCGCCACC	MONCS0724
CGR5810	TGTTCCTCCTCCTCCTTCTTC	CCCTACAGGGAATAAATATGGC	MONCS0725
CGR5811	CATTGAACACGGTACGATGC	AGTGGCCATGGAGAGAGAGA	MONCS0726
CGR5812	GGCAGGCGTGATGATTATG	ACCCTGTTCTTCTCTCCTCTCA	MONCS0727
CGR5813	TTCAGGTTGAAGGTTATCTACCG	GGTCTGGAAACCATTGTTCG	MONCS0728
CGR5814	AATGGCAGCAACAGGCTC	ACCAATGGCCTTGATCCATA	MONCS0729
CGR5815	TGCATGTTACCTGTTGATGGA	CACTCAGACAGGGCAGGAAT	MONCS0730
CGR5816	AGACAGTGCGGTCCTTTCTA	CGACTAATGATTCACATGCC	MONCS0731
CGR5817	CCTGACAACATGGACTGACG	TCATGGAGTCTATGCCGATG	MONCS0732
CGR5818	TCGCCAGATTACTCTAATTACCC	AACGCATCCTAAGGTGTAGTGAA	MONCS0733
CGR5819	TTGTGACTCCAGCAACATTT	CCATCCGCTTCTGGTATTTC	MONCS0734
CGR5820	AGCTCTTTCCTGCTTCCCTC	CGCTTTAAAGGCATCTGCTC	MONCS0735
CGR5821	GAGGGTTGTTCTCGAATTGC	GCATGTGCTGCAAAGAGAAA	MONCS0736
CGR5822	CCGCCTATGCAGTAATAATCT	GCTTGATGTCACAATTCCCT	MONCS0737
CGR5823	CTCCACCAAGCAAACAAACA	AGACATCGGTCTCAGAAGCTG	MONCS0738
CGR5825	ACACTTAGGGCACCAGATCC	TTGGTCATATAGTTAGCCAGGGA	MONCS0739
CGR5826	GGTGACAATGGCCTGAACTT	CGTCTGGCCCATAAAGGTTA	MONCS0740
CGR5827	TCCTTCATCTTTGGTTCCCA	TCCAGCATGGGTTAGTTCAA	MONCS0741
CGR5828	AAGGCTTTCTCAGCAAAGGA	TTTCTCGCTGGACAAACAAG	MONCS0742
CGR5829	AATCACAGACCCAGACCCAG	TGTTTGTTTGGGTTTATGCC	MONCS0743
CGR5832	CATTGACACCCACACCCATA	TGTTGCACTTTCCCAGTGAC	MONCS0744
CGR5833	CCCACAATCCCTTCAACTCT	GCGCAAGCGTAGGAGTTTAC	MONCS0745
CGR5834	GGATGAAAGTCAAGCCCAAA	GCCTTTATCATTCGGAACTCTT	MONCS0746

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5835	TCATACCTGAAATGGCTCCC	AGCTTTGTGTAACCACTTGC	MONCS0747
CGR5837	TTCATCGTGCTTTGGACCTA	ACAATGTGGAAGGCACCAA	MONCS0748
CGR5838	CCCATAGCTTCGTAACCAGTG	TGGCTAACACACTCTCTGCTC	MONCS0749
CGR5839	TACGTCCTCGAGCACTACCA	GCCATTCTCTACTTAAGGCATTG	MONCS0750
CGR5840	GTGCACACTTTGGGAAGCTC	TGTTACGCAGTTGAGAGGCA	MONCS0751
CGR5841	AGAAAGAACCACCTCCCTCC	GCTTATCGAAACTGCAATGG	MONCS0752
CGR5843	AATTGACGCACACACACACA	CCTCATCACTGGGAAACCTG	MONCS0753
CGR5845	TGAAATGCCAGATTCCATGA	CTGTAGGCGGGAGCTTAGAA	MONCS0754
CGR5846	GTATCCCGATGGGTCCTCTA	AGAGGAGATGCGGCATAAAG	MONCS0755
CGR5847	TCAAACAGCTTCAATGTCCA	TGAGCGCCTTTCCAGTAAGT	MONCS0756
CGR5848	TCTGGGTTAGAAGGCGAAGA	AGGCCTCTGCATAGAACTCG	MONCS0757
CGR5849	AGCATCCATTCACTGCTTCC	CCTCATTCTTCACCACACCC	MONCS0758
CGR5850	TTGTCCCTCTAATTACGCTTCC	GAAGAGAAGTCGAGGAATTTGG	MONCS0759
CGR5851	CTTTCCCTCTCTGAATTGAGTT	CGGAAGAATCATGCATTGG	MONCS0760
CGR5852	TGTGGAGCCTAATTTGACAT	TGGCACTAGTAGGGCTTTAATCA	MONCS0761
CGR5853	CCCAAACCACATTCATTTCG	TTCCCTCTCTCTCTCCCTCTC	MONCS0762
CGR5854	TTGCTTGGACCTTCTTCTCC	TTGTTTGCCTCTGTGGTGTC	MONCS0763
CGR5855	GGGAAATTGCTAAATGCCTA	CTGGACACTCCCTTGTCTTTG	MONCS0764
CGR5856	CACATCAAATGTTTGCCACC	GATGCCAACTCTCTCCCAAA	MONCS0765
CGR5859	AGGCAACATAACCACCACCT	CATCTTCTCCGGTTGTGTTG	MONCS0766
CGR5860	TCTCACAACCTATCTTCTTTGTCTC	TGAGCTTCTCTCAGTCATTGCT	MONCS0767
CGR5861	ACACCAAAGACATTGCCTCC	ATGAGAAGGCTGGGAAGGAT	MONCS0768
CGR5862	CAAAGGGATAAGACCCTCCA	CAGTTCATCACCACTAAACCCA	MONCS0769
CGR5863	CAGGCTAAAGAAAGAAACAAAGAGG	TCCCAATGCTGTTGTATGATTC	MONCS0770
CGR5865	TAACCGACCAAGAGCCCTAA	GAATACCCGGTTCTTGCTGA	MONCS0771
CGR5866	GCTTAGGTTGTCATCCTTATTCG	CCCTTTGTTCAATTTCTCGTG	MONCS0772
CGR5867	CTTCTTCCGCCACGTAAGTC	CCCAACCAAGAACCCAATC	MONCS0773
CGR5868	TGGTCGAAATTCTTCCAATC	CCTAACAGTAATCGGCAGAAGAA	MONCS0774
CGR5870	TGCTCGAAGATGGTGAAGAA	GGCACTTATGAATATAGGACTAGGG	MONCS0775
CGR5871	TTACCGGGTCTGGGATATTG	ATGCAGCTTCGGAATCTCTG	MONCS0776
CGR5873	AGTGGAGTTATGGCGAGGAA	CGGATAACTATTATACCATCCTTGG	MONCS0777
CGR5875	CAATCAAGCTATTCACACACCC	TGGGCTTGCTGAAATAAGAGA	MONCS0778
CGR5876	GCTGCATCAAGCATGTGG	TTGCCCTAAAGGGAAGATGA	MONCS0779
CGR5877	CCGATCTGGGTTCTGGTTAG	TCCCTAATGAGCCAAACCCT	MONCS0780
CGR5879	CAACTCATAACAGAGGAAATGG	CTTGCCTTTGGATACGATGC	MONCS0781
CGR5880	CAGCATCGGTTCCAGTTCTT	CAGCATGGATGAATTAGAGGG	MONCS0782
CGR5883	CGGCGCTACAGGACATAAGA	GAGAGCAGGCAGTTGGAGAA	MONCS0783
CGR5886	TTAGTCTTGTGTCGCTCCCTC	ACAAGAAGAAGGCGGTTTCA	MONCS0784
CGR5888	CTCTCCTTCTCCCGCTCTCT	GCGTGAAAGAGAGAAAGCCA	MONCS0785
CGR5889	TCATGATCTCCTGCACCAAA	CCGCTGTTGTGTGAGCTATT	MONCS0786
CGR5893	TGGAGCAAAGTATGTGTCGC	TGAACAACATCCACCACCAT	MONCS0787
CGR5894	CCACCACCACTTGATTCCTT	TTTACCACAGGCGTTTAGGG	MONCS0788
CGR5900	CAAATCTAGCCCGACCCATA	TGAAAGACTTCACTTGAGAGGGA	MONCS0789
CGR5901	CCATGATCTCCACCATTCCT	GAAGTCCTGAAAGCCATGTCA	MONCS0790
CGR5902	TCAAGGCCACTTTCCATTTC	GTTCCCAACCGAAAGAACAA	MONCS0791
CGR5903	ATGTCCGACTTTGGTTGAGG	GGCAACTTCCAAGGTATCCA	MONCS0792
CGR5904	CTGACATCTATCGATCCGGC	TAATGGCAGCAGGTGAAACA	MONCS0793
CGR5912	CAGACAGACCCGCCC	CGAAATGAGTGTGTACTATCTCCC	MONCS0794

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR5913	CGAGGTTTGGGAAACCCTAT	CTGCCATGACTTGAAGCAGA	MONCS0795
CGR5914	GGAATTAGCGGAGAAATTGG	GGTTTAATCTTGTACGTGCCC	MONCS0796
CGR5921	TGAGTGAGACATGAGGGTGC	CCACTGCATGGACTGCTCTA	MONCS0797
CGR5924	GATGCTTCTGCTGCAAATGA	CAACCCTTCAATGCCTATCA	MONCS0798
CGR5925	GCAACAGCAACAACCACAAC	GCTGCCTCGAGGACAAATAG	MONCS0799
CGR5926	TGCGGTCACTTATGTGGGT	AAGACCAAGCGACAGCAGAT	MONCS0800
CGR5929	GGCACGAGCCACTATCTGT	TCGAGCTGGTTACCGAAACT	MONCS0801
CGR5930	CTTCCGCACGAGGAGAGATA	GCAGAAAGAGAAGAGAGCGG	MONCS0802
CGR5936	CACGAGCCAACGCTAATTCT	GCGGCGGATACATTATTCAA	MONCS0803
CGR5937	TTGGATCTTCTGGGTTGGTC	CACCACAGCCACCTTAAACA	MONCS0804
CGR5938	GGCTTTGACAATCTCTGTCG	CAAGGGCACTACTGGTCCAT	MONCS0805
CGR5951	GGCGATGATGGAGAAAGAAG	CCCTGTTGCTTTCCTCTCTG	MONCS0806
CGR5956	TGAAGCTAACCCAAATCCCA	CCAACCGTCTAAACTGACCC	MONCS0807
CGR5958	ACGAGCGGCCACGAA	GGAAGGTGGTGCAGTGATTT	MONCS0808
CGR5986	GCAGTGATGTGCAGGTGTCT	TCGAGCATATTACGTGTGGC	MONCS0809
CGR5988	GCACGAGGTGGATCCCTAT	TTCACAGCCATAACCGTGTC	MONCS0810
CGR5991	GGGAAATTTAGGAGTTGTAGAAACC	TGGAGAGGTGAAGGAGGAGA	MONCS0811
CGR5992	ATGGAGAAGAGGGAAAGGGA	TTCCACCAGCAGTTATGACG	MONCS0812
CGR5993	CACTGTCCATGGCTACCAAA	CGTACGTACTGCACACGG	MONCS0813
CGR5994	TCAAGAATCCCAGTTCCAGG	CCTCACTTCTGGTTCTTTCCC	MONCS0814
CGR5995	GCAAGTCCGGTTTCGAGTAT	TAATGAGCCTTTGACCGGAG	MONCS0815
CGR5996	TTCCCGGAAATTCACTCATC	ACCACCCAGAAGAGCAACAC	MONCS0816
CGR5997	GCTGTACGGATGGATCTGGT	TGGGCTTTGTCAGTTGTTGA	MONCS0817
CGR5998	TCGGAAATTGTCCTCTGCAT	ACAGCTAAATGGATGCCCAC	MONCS0818
CGR5999	ACATAGAGCAACCCACCAGG	AGCGAGCACCTCACAGTCTT	MONCS0819
CGR6000	GGAAATGCAGAATAGGACCAA	ATCCTCGGGAGGTATGGAAT	MONCS0820
CGR6001	ATGGGCTCCAGGATTACACA	TCTGCTTTCAGTCCACGCTA	MONCS0821
CGR6003	GATCTCCACAGAGCAGAGGG	TGCTGTTGTTCAGTGTTGTGTC	MONCS0822
CGR6005	CTCTACGGCTGCCTTTAGGA	CTATGTCGGAGAGGCACACA	MONCS0823
CGR6006	GGAGATGGGACAGTTTCGTG	ATTCCTAACCCACTGCTGGA	MONCS0824
CGR6007	TATCAACGTTGCCATTCTGG	TGAAATGTCCGCTAGGGTTC	MONCS0825
CGR6008	CCTAATGCAATGGTGTCGC	GCAGCTGCTGTATGCATGT	MONCS0826
CGR6009	ATCCTCCCTACCTCCACCAC	GCCATGTAAGGTGGCAAGTT	MONCS0827
CGR6010	CTCCACGGAGACCACTCTTC	GGTGCTGGAGGTGTTTCACT	MONCS0828
CGR6011	AGAGGGAGCGTGTCTCTCAG	CCCTTGTGGGAGAATGTGTT	MONCS0829
CGR6012	ATGTGCCTTGTCCTCTTCCA	GGGATGTGAGGGCATCATAG	MONCS0830
CGR6013	ATCTGTTTCAAAGGCACGCT	GGGATGGAGTGACGACAGAT	MONCS0831
CGR6014	CCCTTTCAGCACAACATAATCA	TTTCACTGTGGCAGCTTCTAA	MONCS0832
CGR6015	TATACGTTGCTTCGCCTCCT	ACGTTCTTCCACCATTGCTT	MONCS0833
CGR6016	ATGCTTCTTTCCACGCATTC	AGCAAAGGCCGATGAGAAA	MONCS0834
CGR6017	CCGCTTTCTTAATCGCATCT	GCTTCCGGTCAGTTCTGTTT	MONCS0835
CGR6018	CAAGCTGTCTTTGAGTGCTAGG	CTATTCCTGCCACTTCAGCC	MONCS0836
CGR6019	CATCGTCATATTCATGCAACAG	GGCATCTAATACGGGTAAGGG	MONCS0837
CGR6020	AACTGGTGGCTGTCGAGC	TGTTTGTATGTGTGATCTGAGTTCC	MONCS0838
CGR6021	ATGGATGGATGGGTGGATT	TGCTTGAGAGCATGAAGTGG	MONCS0839
CGR6022	TGTTTGGCATAAACCCGAAG	TTCTCTATAACCTCTACCCGCCTA	MONCS0840
CGR6023	GAGAGGGAGAGGGAGAAGGA	GGAGCAACAGAGACACACACA	MONCS0841
CGR6026	AAGCAGCCTTGAGAGATCCA	TCTCTCTCTCTCTCGCTCTCG	MONCS0842

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6027	GCGAGAGAGAGCGAGAGAGA	GGAACCTTCGGAACTGTTTG	MONCS0843
CGR6029	GAGAGAGAAAGTAGGAGAGATGAGGA	CTCACTCCACAGATACACTCCCT	MONCS0844
CGR6030	TCCACTGATGGGTTTGACCT	TCCGTTTATTCGTCTATTCGTC	MONCS0845
CGR6031	TGCAGGAAGGTAATACAGCTCA	TGCATTTGCGGAATGTTCTA	MONCS0846
CGR6032	ATTGCCTCCTCTGCATTCAT	TCCATCCATCTATCTATGCGTC	MONCS0847
CGR6033	ACCGACAGATGGACAACAAA	GGCAAGGCTGTGCTCACT	MONCS0848
CGR6034	CAGACAGATAGACAGACAGACAGACA	ACACGCTTTGTGGGCTTATC	MONCS0849
CGR6035	GGGAGGCGGAGTAGTGTG	CCCACATCTGAATACATCAAAGTC	MONCS0850
CGR6036	ATGCACGGTCATTGTGAGAA	TCTCTGTCTTTCTGTCTGTATGTCT	MONCS0851
CGR6037	GGTGTTGGGTTGTCTGTGTG	AGGACAGCCCAATTTCAACA	MONCS0852
CGR6038	TGGTGGTGGGCATAGATACA	CAATTGAGCCAAAGCTGACC	MONCS0853
CGR6039	CCACATGCATCTCTCTGAACA	TTACAGCAGCAAACCTGCTC	MONCS0854
CGR6040	CCTGTTTCCAGGCAGCTTAT	AAAGCCAAACTTACCCGGAG	MONCS0855
CGR6041	GTGGGTGTCGTCTATTGCCT	TGAGAAAGGGAGTGGTCAGG	MONCS0856
CGR6042	CTGGCGAAGACAGAACGATT	CACCACCACCTCCTTCACTT	MONCS0857
CGR6043	TGTTGGCTCTGGTTTGAACA	TGAATACTTCCCGGATGCAC	MONCS0858
CGR6044	GCCCTCTTTGGTGTAACTGG	GCCAAGCTTACATACAGCCA	MONCS0859
CGR6045	GCTACGCAATACGAGAGACCTT	GTGAGCAGGTGGTATTCCGT	MONCS0860
CGR6046	ACGAAGGAGAAGAGGAAGGG	TGAGAGGGCTACAAGAGGGA	MONCS0861
CGR6047	GTGTTGTGTATACCAGGTTAAAGAG	CGTTTGAAGTGGGATTAACTTG	MONCS0862
CGR6048	CACCTAAAGGATTATTAGGAACACC	GAAGGTGAAAGTGGGTCGAA	MONCS0863
CGR6049	TCTGTCGTTCTATCTATCTGTCTGTC	TAACACATGGAAATGGACGG	MONCS0864
CGR6050	GTCCTGACAGGTCTGGCTTT	CAGAGATGGACGGACAGACA	MONCS0865
CGR6051	CCAGTTGTTGGACACACTTT	TCCTGCTGGACACCTATTGTT	MONCS0866
CGR6052	GCTGTCCCTCACACTGACAA	GATAGATGGATAGACAGATAGACAGAC	MONCS0867
CGR6053	AAAGGGCATCTATCTATCCATCC	GGTATTGAGATATGTTCCCGAT	MONCS0868
CGR6054	GCATCACTTCCCTCTTCACAG	GGATAGATGATAGATGGATAGGAGGA	MONCS0869
CGR6055	CCTGTGTCTTCCTCTCCCAC	AAACCTTGACCCATGGAAA	MONCS0870
CGR6056	GGGTCTTGATGAAAGCTGGT	CCTCACGCTTCACACCACTC	MONCS0871
CGR6057	GAGGGAGGGATTCTGAAAGG	CCTTCCATTACGGTGTTGCT	MONCS0872
CGR6058	TGGAGATACTCGAAATGGAGC	GGGCATTGCTTTATCAGATT	MONCS0873
CGR6059	TCCATCCTCTGAGCTATTGTGA	GCTCTCGTTCTTGTGGCTCT	MONCS0874
CGR6060	CTGGCTGACGAACACATCTC	GTTTGAGTAAATCTGATCTGTCTGG	MONCS0875
CGR6061	TTGAAAGCCCTGTCACATCA	GTGTGGAGAGATAGCGAGGG	MONCS0876
CGR6062	ACCGCGCTGGTGGAAGGTA	TCCACGATAAACTCACTTGCC	MONCS0877
CGR6063	TCTGTTCTGCTCACACACCC	TGACCGAAGCTGGAGGTACT	MONCS0878
CGR6065	CGCGTCTGAGTCTTCACACA	TGCAGGTCACAACCTTCATC	MONCS0879
CGR6066	TGAGAAGGGTAGAACACAGCC	GCATGAACAATAAGCACTGTGG	MONCS0880
CGR6067	GCAGAACCACCTGATCCACT	GTGACACTGGCAGATGCTGT	MONCS0881
CGR6068	AGCGCACCATAATCAAGAGG	TGAATCCAGCACCATGCTT	MONCS0882
CGR6069	CTGAGTATTCGCCAGCTCCT	GTGTGTCATGGCATCAGTCC	MONCS0883
CGR6070	TAGAGTGCCACGAGTGTTGG	CACATGTGTTGGGCGATAAG	MONCS0884
CGR6072	CTCTTAGCCTTGTCCATGAAA	TAGGGTAAGGCAGAGAGCCA	MONCS0885
CGR6076	CCACCTCCTACATCATCATCA	GTGGAGGTGGTGGTGGAA	MONCS0886
CGR6077	TGGCAGATTATGAGCCAACA	AGCTTGCGAAGCTCCTTCTT	MONCS0887
CGR6078	CATGCAAGAAAGCTGCTCAA	TAGGCATGTGTCTCCGTGTG	MONCS0888
CGR6079	CTTGTGCAAGTAACCAGCGA	AGGTGGACTCCAGGACACTG	MONCS0889
CGR6080	TGCTAGCTATCTATGCTATCTCCT	CGAGCGTATTCAGATTACAGA	MONCS0890

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6081	GCCAAATCAAAGGGAACTGT	GTGGAGAACGATGAGCCAAA	MONCS0891
CGR6082	TGGCCTGTGTGTGTTCTATGA	GATCGAGCGAGCAAACAAAC	MONCS0892
CGR6083	TAGGTCTTCTTGGGTCACGG	GTGGCTAGGGTTCGTGTAGG	MONCS0893
CGR6084	GCGTGCGTGTGTGTGTGT	TCGGGTGAGGCAGAAGTTAT	MONCS0894
CGR6085	CACACTTGCAGTAAAGTCACGA	AAGGGCTACCACGTCACAAC	MONCS0895
CGR6086	GCAGCAGTCTCAATCACAGC	AATACGGGTGCGTGGTCTTA	MONCS0896
CGR6087	ACATGGAGAGGAATTGGCAG	CCGGGTCATTACACACACAC	MONCS0897
CGR6088	TCTTTCCAAGAGAGAGAGAGAGAGA	TTGATTGGCATTGTGGTTTC	MONCS0898
CGR6089	ACATGCCACCTTGAATAGCC	TGCCTCTGCTTCATTCTCCT	MONCS0899
CGR6091	GTTGGCAAGTTTGCTGTTGA	ACTGCTCCTCTTCACCCTCA	MONCS0900
CGR6093	CAGACAGACATACGGACGGA	AACCCATTTGGGCATAATCA	MONCS0901
CGR6094	AGACAGACAGACGGGTGGAG	GCCTCAACTATAATTGCCTCACA	MONCS0902
CGR6095	AACAGACCTGGATGGATGGA	AACGCATGAAACGATGTGAA	MONCS0903
CGR6096	GCTTGCAGCCCTGAAATTAT	ACTGCCATGTGATTGGTTGA	MONCS0904
CGR6097	GATGGATAGATGGATAGATGGA	CAACTCGCTCTCAAATTCTCA	MONCS0905
CGR6098	GCCAATTTAGAGTTGAGCTGC	TCTTTATTCATGCGCAATCG	MONCS0906
CGR6099	AGGTTGCCTGTCCTATCTGC	TGGACCTGCAACATTTCTCA	MONCS0907
CGR6100	AGCTGTGTGTTCATGCCAAA	CGCTAGAATCCACAACACGA	MONCS0908
CGR6101	GGAGTGTGTGATTGGCTGAA	CTCGACCCAGACTGCACTG	MONCS0909
CGR6102	CGTCAGACACAAACGTGACC	CTGAATCCAGGACACACACAC	MONCS0910
CGR6103	CAAAGGATGGGACACAGGTAA	TGCATTAGATACCGAAATGAGC	MONCS0911
CGR6105	GGTCATGAAAGGAAAGTTACGC	CCCAGACACAAGCACTCAAA	MONCS0912
CGR6107	CGACCCTGATGACTGACTGA	CCTCAGTGGGAACGAGAGAG	MONCS0913
CGR6108	CGACAGATACGGGTTAGGGA	CAGTTTAAGATGTCAGGAGTCATCA	MONCS0914
CGR6110	CGCAGGTGACTCAAACTCTG	GGTAAGACTATGTAGATGCTTACATGC	MONCS0915
CGR6111	CCTGTGTGAGGTGTCAGTGG	CAGAACCAGACCTGCCTCAT	MONCS0916
CGR6113	TACACACCACCTCCCTTCGT	GCTTCCGCAAAGGGTAAACT	MONCS0917
CGR6114	AGGTTGAGTGGATGGTGCTT	GGTCTGTAATCGTTCTTGGCA	MONCS0918
CGR6115	GCTGCAGCTTACAGAGGTAAA	GGCGTCGACTGTCAAATACA	MONCS0919
CGR6116	GAAGTGTGCAGGCGTTGTTA	TGAATGGACGGACAGACAGA	MONCS0920
CGR6118	CGCGCTTATAAACCGAATGT	ACAACGTCATCCTGCACAAA	MONCS0921
CGR6119	AAACCTGGACTGTGACAGGAA	GCCGTCTGGCTCAGAATAGA	MONCS0922
CGR6120	GGGTCGGACATTATGGTTTG	TCACGCATATGATAGACGTTTG	MONCS0923
CGR6121	AACACCATTCAAACGTGCAG	AGGTTCAAGAAGTTGCCGTG	MONCS0924
CGR6122	GGATTTGCCAAAGGAATGAA	AAAGTTGACATGCAAAGAGTGG	MONCS0925
CGR6123	CGGAATGACCAACAGAAAGG	TTTGCCTGGTGACAGTATGC	MONCS0926
CGR6125	AGGCCTGTGCATGCTATTCT	CACAGCATATATCAGGAGCCA	MONCS0927
CGR6126	GTTCTGCTTCCACTTCTGGC	CACATTGTGCTTGTGATGAGC	MONCS0928
CGR6127	GTCCTCCGGAATCGGGTT	GTAGCAATCGAGGGAATGGA	MONCS0929
CGR6128	ACTTGTCGTTGGTGTTGCTG	GAAACCCACCCAATTGAAGA	MONCS0930
CGR6129	TTCCTTCACCAACGCTTCTT	CGAGAGTTCTTGAGGGATCG	MONCS0931
CGR6130	GACAGAGGAAACCAATCCGA	CACCCTGGAATGAGTAGGTG	MONCS0932
CGR6131	GCGATCTGTCTGTCTCTCTGTC	ACGTGATGGGAAACAATAGAG	MONCS0933
CGR6132	TCAGGCTCTGAACGCTCTCT	GGGTTGGTCATGAGAGGAGA	MONCS0934
CGR6133	ATGGGTTTGCTTCAGTGGAC	GATGCATTTCCCTTTCATGG	MONCS0935
CGR6134	AAAGTCATGGCATGGCAAA	CTTTCGCAAGGCACTGTAT	MONCS0936
CGR6135	TCAAACCGGGAATCTTATCT	GCAAACAGACAGACAGGCAG	MONCS0937
CGR6136	CCCATCTATTTGTCTGTCTATGTC	AGATAAGATAGGGTCGGTCCA	MONCS0938

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6137	CAGGTGCGAAAGAATGAGTG	TTCTATCTCCCTCTTCCGGTT	MONCS0939
CGR6138	TGACCTCTGTAATAATGTGGACTGA	TTCAGAGCAGGACTGCCTTC	MONCS0940
CGR6139	AAGAGCCTCACCTGGGAAAT	TCTCTCCTCTTTCCACACGC	MONCS0941
CGR6140	AGTGTTTGAAGAGGTTGTGCAT	CCCAATTGCGTATAAGGATA	MONCS0942
CGR6141	GATCAGTGAACCAGAGTGCTTG	GCTAATGCGCCTATTGCTTC	MONCS0943
CGR6142	TGCGACAATAGCACAACAAC	TATTCGTGTGATGCCACTGC	MONCS0944
CGR6143	TGCCCACTCCATCAATTAGG	GTGTGAGCAGAAAGTGCTGG	MONCS0945
CGR6144	GGACCGTTTCCCATTTAGGT	AGACACCAGCATCCACATCA	MONCS0946
CGR6145	CACACCACAGAAATTGCAGC	TCGTCACAATATCTGGCAGC	MONCS0947
CGR6146	GAGGCGCTAACGAATATGTG	AACGATCTCCTGGCATCATC	MONCS0948
CGR6147	GTGTCAATTGGTGGGAGGTT	ATACTGGACCAAAGGTGGCA	MONCS0949
CGR6148	CAGCATGCAAGCTTTAGCAA	CCACCACCATCATCATCATC	MONCS0950
CGR6149	CACCATACCGAGCTACTCCAG	ATCGTTCCAAGCAAACCAAC	MONCS0951
CGR6150	TTCACTCCACCTTTCAAACTCA	GACACAGTTTGCCCACTTCA	MONCS0952
CGR6151	TCATTAGTCGCTAAAGCTCA	GCTCTTACATGTTCAACCTA	MONCS0953
CGR6154	CAACCAAATGCACCATCTCA	CCCGCTGCTACCAATACTCT	MONCS0954
CGR6161	CGTACGTCGGTGAACTCCA	GTGCAACTTATTCTTCATCCTC	MONCS0955
CGR6167	GCAGCACTGGACTTGGATCT	TGTCATGTCACTCTCCAGTACAAA	MONCS0956
CGR6170	CCCAAGATATGGAAATGCAGA	TGGTTGTGGTCCTCCTTACC	MONCS0957
CGR6185	TGAATGATAGTGCCACCAAA	GGGTAGGGAATTAGAACTTA	MONCS0958
CGR6189	TGAGAGTGTGAGTGAGGGTGA	CACCGAATTGTCGTGACTCT	MONCS0959
CGR6193	TTTGAGGTCGGGTTACTACCA	CAAGAGAGCAGTTTACCTGCAA	MONCS0960
CGR6196	AAAGTAAAGGCGGTCGTATCTT	CCCAAGGGAATGCTAAAGGT	MONCS0961
CGR6198	GGAGGTGCAAGTGTGGAAAT	ATTCAGCTCCGTCCACTTT	MONCS0962
CGR6205	TTTGTATCGCCCTCACATTG	CACAGAGATTTCTCAGAACCTGAA	MONCS0963
CGR6208	AGGAGAAGAAGGAGAAGAAGG	TCTCCCTCCAAATTCTCTTA	MONCS0964
CGR6213	CGTGGCAGAATAAGATTGTGA	GCGATTGCCAAACAAGAAA	MONCS0965
CGR6217	TGCTACCAATGTTCCCAATG	CTCTTTGGCTATTTCCTTGA	MONCS0966
CGR6220	TTCGTGATTGGTCTAGTGGTTT	CTCTCCACGCTCCCTCTCTT	MONCS0967
CGR6224	TTGTCCACACACTGACACCC	TTGAAGGAGAAGAAGGTGGG	MONCS0968
CGR6226	CCCTCCTCTCTCGCATCTCT	CGCCTCGGATTATGAGAAAG	MONCS0969
CGR6227	CTCCGTTTGAATTTGATTCG	TACTGACCAAGCGCCTTCTT	MONCS0970
CGR6231	CAAGAGGTTGATGAAGATGGAA	CAGTAGTTGCACTTGGCTGTTT	MONCS0971
CGR6232	GCTTGGAGTTGCCCTTCTTT	CGATAAGACCGGATTAGACGA	MONCS0972
CGR6234	CGTCTATGGCAGTAGCAGGG	TGACTCGAGCTATCGATCCTG	MONCS0973
CGR6236	AGTGTTGCACTGGATGTTGC	ACGGCTTACAAGCAGTCTCC	MONCS0974
CGR6240	GTCATTGGAGTTGGGTGGAA	ACGAGAGCTTGCAACACAAA	MONCS0975
CGR6247	TCAAGTCGTGTGTTGTTTGCT	AACTCAGGAACAGGATGTGTTT	MONCS0976
CGR6250	GGGTAAACAAACATTGCATC	TCCATTCATTAGACTGCTACTTCTG	MONCS0977
CGR6252	TGACACGTGGCTCCTTGATA	AACGATGGTCAAAGAACGATG	MONCS0978
CGR6254	TTCGTTCGTCGCTTTCTTCT	TTGAAGATCCAACTTTGCCC	MONCS0979
CGR6270	AAATTGACGGTTTCTAGCAGAG	GAGGGAGAGCAAGAAGCAAA	MONCS0980
CGR6274	GGAAATGGAAGTCGCACAAT	TTGTGTCAATCGTGGTGGTC	MONCS0981
CGR6276	GGGAACCAGCGACCTACTAA	ATGCTCGCACTCTTTCCCT	MONCS0982
CGR6280	CTCTTGGGTCACCACCTGTT	TGACGGAGGTCCTTCATTTC	MONCS0983
CGR6282	CCAGCCTCTCATCTAATCAGG	CGATCGCGAATATTGAGCTT	MONCS0984
CGR6294	ATTGGCTGAGCCTACAAAGC	TTTGACATGTGTTTCAGGGC	MONCS0985
CGR6318	CCCACCGATTTGTTTCATT	CCTTGAGCGAATTTGAGAAGA	MONCS0986

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6319	TCATTAGGGCCAGTGAGCTA	GAAACTGAGAAGCAGAAGGAAA	MONCS0987
CGR6320	TTTCGAAATGGGATGAAAGC	CCTAAGAACTGCGATGGACC	MONCS0988
CGR6324	GCTATGGCTTTATCACTTGT	GCCATAGCAAGAGTGTAAGAAAG	MONCS0989
CGR6329	GAGGAAGACGAAGGGACTCA	ATCCAGAAACGACGACAACC	MONCS0990
CGR6334	AAGGAACCAAGCCACATCAG	GCCAGAGCTCATTTCTATAGGC	MONCS0991
CGR6339	TGCCTCTGTAAACGCCACTT	CAACCCAGTATGATTGGGTAAA	MONCS0992
CGR6347	TCTGCAGCTTTCGACTTCTGT	TGGTTATGGTAGCTTGTGCG	MONCS0993
CGR6356	ACCCACCACAGATCTGCAA	CAGATCACATCCTACTTCGTCAA	MONCS0994
CGR6357	CCGCTACATGCAAGGAATTT	CCTATTGTTCAGAGCATCAA	MONCS0995
CGR6359	GAACATTAACGTTTGCCGCT	CCAGGAGAGAAGTTGCTTGG	MONCS0996
CGR6360	ACCACGGTCACAAGATCCG	GAGAGTCTCACACACGCACAC	MONCS0997
CGR6361	TTGCTCATGACAAAGGCAAC	TTGTGCCAGCCATAACCTTT	MONCS0998
CGR6372	TCCTTTAGTTGTGGATATGGGA	TATAGCTTCGAAGGCCCAAA	MONCS0999
CGR6377	AAGAAGTCGATTGAGAGCGG	AAAGGGAAAGCCATTGTGAC	MONCS1000
CGR6378	CCATGTTGGATATGGCTACG	AACCCTCAACCAACCTTGAA	MONCS1001
CGR6381	GGCGCTACTTCATCACATCA	GTGCTGCATTGGATCCTTC	MONCS1002
CGR6382	CACAATCACAGATTGGGACCT	CGTATCATTCGGCTTCTGGT	MONCS1003
CGR6383	GGTGAACCAAATATGCCACC	GCTGCTCATTGGTATTGGCT	MONCS1004
CGR6385	TCTTTGCTGGTTGTTTCGGT	CAATGAGAGAAGCGTTAGGCA	MONCS1005
CGR6386	TGGATCAGGTAAATTTCGAGG	TGAAGCTTGAACCCAAGACC	MONCS1006
CGR6388	CAGAGTAACTGCAAGTGCCC	CCACCACACTCCACTACACG	MONCS1007
CGR6389	AATTCCACTCACTGACTGAT	GGCATGTATAGTATGGAATG	MONCS1008
CGR6392	CAACCGATCTGCTTGAATCC	GGAAGCAGCTTACCAAAGGA	MONCS1009
CGR6393	ACCTGTGTCGACAGGGATTC	CCCTACCATCGTCCCTCT	MONCS1010
CGR6407	CTCGAAACAGAAGGGAAATGA	TGAGCTCTTCTCACTTGACGC	MONCS1011
CGR6408	TCTGTGATATACGTTTCCTGGAG	GACCAATCTTAGTGATTGCTTCTC	MONCS1012
CGR6409	CACATGTTCGTTATGGCATTG	CAAACAACTACAGAAGCTCA	MONCS1013
CGR6410	GAGTTCGGACCTCAATCGAC	AAGCCGTCATCCAACAACAG	MONCS1014
CGR6411	TCGTATCGAACTGTTCCGTTT	CTCTCTTCTCCGGCGCAC	MONCS1015
CGR6415	CGCCTTCTACCCTTCTTTCTC	TCGACTGATTTCTTTCTCCT	MONCS1016
CGR6416	TTTCCTCTTGTTGCCGAATC	AAACCTGCAGCACAAGAATG	MONCS1017
CGR6430	TTTCCATGCAAATGTGTGGT	CCTAGAAATATTCGCCTTTACACTC	MONCS1018
CGR6431	GATGCACTGTTTCCATCCCT	TGGTTTGGTGTGGCATATAA	MONCS1019
CGR6432	ATCGGGCATGTGATCAATTT	CAAGGATGTCGATGGAGAGG	MONCS1020
CGR6433	CCCTCTGTTCGAGGCTAAGA	CTCTTTGATCCCTTCCCTCA	MONCS1021
CGR6435	CCCTAGTCAGAAGTTAGAAGAA	TCTCCTCCGTCTCCTCTTCC	MONCS1022
CGR6436	TTCCGGTCCGTTCGTATTAG	CGGAACAAATTCTCCAAAGC	MONCS1023
CGR6437	CTCTAACCGTGGCAAGCTCT	CAACAAGAAGAAAGTAGGGA	MONCS1024
CGR6438	AGTCATTGATGACAAGCAGC	GGGATGTCGTGGGTGAAGTA	MONCS1025
CGR6439	GCTCGTCGCTTTGATGTTTA	CAGACTGATGCAAACTTGTGAA	MONCS1026
CGR6442	GGTGTTAGTGGAAAGTTGAGGG	AGAGAACAAACGAAAGCCCA	MONCS1027
CGR6449	GAGAGCATGCACACATTCAAA	TTAGGTTTGAGGCGCTGTGT	MONCS1028
CGR6459	CCTTCCATTTAACCAGAAGTCC	CTCTGATCCATAATTGGGAA	MONCS1029
CGR6465	GGAGTTGTAAGGATCTTCTAATCCA	ATTCTTGGCTATGGGAGCAA	MONCS1030
CGR6469	AATCCTTCCTCTTCCCGCT	CCTGAAATTCCAGTGTATCCC	MONCS1031
CGR6471	AATGGCAATCCCAGCACTAC	TCTGCTTGCTCTGTTCCTCA	MONCS1032
CGR6472	TTTCCACTACAGAAATCCC	CTGCCTAAGCCTGAGCTGAC	MONCS1033
CGR6476	TCCCAGTTTCCTTCTTGTCTTC	CAGGCAAAGTTCTTCCCATT	MONCS1034

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6477	CGGCATATCCTACAGTATGTCT	ATTTAAGCAAGTCCCGCTTT	MONCS1035
CGR6478	CGGTAATGGCTGAAGAGACC	CGAATGCAATCTATAAACGCTG	MONCS1036
CGR6479	CTTAACTGACACTATGAGCAAC	GGAGGCCACATTACCTTAGTTT	MONCS1037
CGR6480	CAAACGCAGCGTATTAAACA	AAATTAGCAGCCAAGCCAGT	MONCS1038
CGR6481	TCCCTTTCAGAGGCAAATCA	TCAAGATCCATCTGTTCTGGG	MONCS1039
CGR6482	GACGAGAAAGTTGTCGGACC	TCTCCTCGCCAAATAAACTCA	MONCS1040
CGR6483	CATCGATTGCATGACCAAGA	CTCATTCAATTCCTCCTTGACA	MONCS1041
CGR6484	AACCATCCCAAAGAATCATCC	AAACCAAGGCAACAAAGTGA	MONCS1042
CGR6490	TGTGGCATGTATATAGGTGTTATGC	AACCAACCAATCCAATATCCC	MONCS1043
CGR6495	ATGATCATGTCGGCAACAAA	CATCTGGCTCAATGGAGGTT	MONCS1044
CGR6496	GGCAACGTCATTAATTCCCA	TCTCATCGCATCATTTGCAT	MONCS1045
CGR6505	ATGACGAAAGAACGCGAGAT	AGGGATTTGTGTCATATCTGGA	MONCS1046
CGR6507	TTTCACCCGAATTGAGAG	CCTCAAGTTCAAGAAAGAAG	MONCS1047
CGR6508	GACAGAGATGGCAGAGTTTCG	GACTTTCCCTTCCCTGCTAAA	MONCS1048
CGR6512	CCAAGAAAGGTGAAGAGCCA	TGGACGTCCTAGAGATTGCTT	MONCS1049
CGR6514	TCTTCATTGCCGTCTTCCTC	AGGGATGGAACAAGATGCAG	MONCS1050
CGR6515	AGGCATGGAATTGCTAATCA	AATGCTTATCGCAACCCTTG	MONCS1051
CGR6517	GAAGAACCCATGTAGGGTTATCA	CAGAGGTTTGGGCAGATTGT	MONCS1052
CGR6518	CTGCTCCACCTATCCCTTTG	AGAGGAGTAGGCGAGGATGA	MONCS1053
CGR6519	TGGACTACCCATTACTCACG	CTTCCTATCATTTGGTCGGTG	MONCS1054
CGR6521	GCAAATGCAGAAATGTGAAGG	CGAGGAATTTGGGAGATTGA	MONCS1055
CGR6522	CCCTTGATATCCGAACTTTCC	ATGGCGTAACCACAACATCA	MONCS1056
CGR6525	GTAGGCTATCCTCCCTTGCC	ACCCAACACAAGAGGGACTC	MONCS1057
CGR6526	GCCAGCCATTTGTCCTTAAA	GCTGGCATTGCTCACCTTAC	MONCS1058
CGR6527	CAGAGGCTGCCAAGACAAAT	GGTCTGCTTTAAGCTCTCGG	MONCS1059
CGR6528	TGCAGAAGGCACTAAGAGCA	GCAGAAGTGAAGAGACAAGCG	MONCS1060
CGR6529	TTCAAAGCTGTTCCCTGGTT	TCAAATAAGGTAACCATGTCCC	MONCS1061
CGR6530	ATGAATGGACATTGGTGGGA	CTCATCAAGCCTTCTATATCCA	MONCS1062
CGR6531	TTGCTGTCCAACTTTCATGC	TTGCTAAATTGGGCCTTCTG	MONCS1063
CGR6533	TTTCCTTTCTCCTCTCTTCATC	GAAGGATTCGGCTATGGAGG	MONCS1064
CGR6534	GCAATCACAGATTGGGACCT	TGCATTGGTTCGATCACTGT	MONCS1065
CGR6535	GGAAAGTATAAGTGATGTGAGC	TCTATTGGAAGCGTATGGACAA	MONCS1066
CGR6538	CTACCGATGAATGCTCCCTC	CCAAACCAACAAAGCTAGTGG	MONCS1067
CGR6539	TAGGGCGAATGATTTATGCC	GTTACTTCCAAATCCGTCGC	MONCS1068
CGR6541	TTGCCCATTTCAGAGAAACC	TACGGCTCTCTACGCTTTCC	MONCS1069
CGR6542	TGGAAAGCACCTAACAAGAGC	GGCAGGTTTAGGCGAGATTC	MONCS1070
CGR6543	TCTGTTTAAGGTTCAAGTGC	CCCTACGATTCTTTAGTCCTCG	MONCS1071
CGR6544	TTCTCAGGACCCTGCAAATC	ATCCGAGTGATCCTCAGTGG	MONCS1072
CGR6545	CTTGATGAACTTGCAACAACTC	CCAAAGACAAAGGAGTCCCA	MONCS1073
CGR6546	TTTGACATGGTAGTCCAAGGC	CCCAAGATGAACCCTAAACAA	MONCS1074
CGR6547	GGCAGAAGAGACAAGTTGGG	CATTCCTCTCATCGCCATCT	MONCS1075
CGR6550	AAATCTTATTCCGTGTCCTCCTC	GATGTAAGGGTCTCGGCCTT	MONCS1076
CGR6552	CTTAACACATTGTTTCCTCCCA	GACAACGAAGAAAGTGAAGCC	MONCS1077
CGR6558	GCCATTCTCTACTTAAGGCATTGT	TTTGCCTATGTCCTTGGGAG	MONCS1078
CGR6566	AGCTTTCGCAGACATTTCGT	AAGAGAGGAGAAAGAAGGCGA	MONCS1079
CGR6567	GAAGTGATGGCAACAAAGGC	CCTTTCTCTTCCATCTCCAGTT	MONCS1080
CGR6568	CGGTTTGACCCGACTGTTA	AGAGAAAGGTCCGGTGGAGT	MONCS1081
CGR6570	TCTCCTACCTCAGCTTCTTT	GCAATAGCTTAGGGTTCCTCA	MONCS1082

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6572	GATATTCAACCGACTGGGAAA	CCAGGTTGATGAACAATATC	MONCS1083
CGR6576	TGTGATGGTTACCGTCTCCC	ACCTACACCAACCAGCCAAA	MONCS1084
CGR6577	CAACATGTCACTTGGATGCG	AGCACTGCAGAATGTATATCCC	MONCS1085
CGR6578	GGGATACCCTGGGTTTACAA	CCCTTCCTCATTGTAGTCAAGC	MONCS1086
CGR6579	GCCATTTAGGGTTTATCAGAAG	CGTCTTTCCTAATGGTAGCCC	MONCS1087
CGR6580	CCAGCATTTCATATTTCAGGG	GGTGTGGAATTTGTGTATGATG	MONCS1088
CGR6583	CTAGGATTGCTTCGAGTGGG	TATTGTGTCTGGGTCAGCGA	MONCS1089
CGR6584	CAATCTAAGAGCTGGATTGA	TTTCGGTTAGATTCAGGCAA	MONCS1090
CGR6586	CTCGCCTCTTCAGAGAAAGAA	ATATGGGAGGTGTGGGAACA	MONCS1091
CGR6607	TGAAACTCGGTGGGTAAAGG	TCAGCTTGTTTGAGGTGCC	MONCS1092
CGR6620	TTTGGGAAACCCTATCTCTCTG	TGCCATGACTTGAAGCAGAT	MONCS1093
CGR6630	ATCGAGTGGAGATCGCCTAA	GAAGGAAATGGAGATGCCAA	MONCS1094
CGR6631	TTGTCTCCGTTGTGATTTGG	GTGGTCTGCTCCTTGGAATC	MONCS1095
CGR6651	CCAAACCCACAATTTCTGCT	GGGACTCTCTTAGGGCCAGT	MONCS1096
CGR6677	GCATGAGCTACTGCAACCAA	TGGCCTTAGATATAGTTTACCC	MONCS1097
CGR6678	GATGGCATTTCAGTCTTCAGAT	CATGTGGCATATTGGAATCA	MONCS1098
CGR6679	CTGTCAAAGCTCTGTTTCATTG	CCCTCTTTCCAAGCAACTCA	MONCS1099
CGR6680	GCCAATAATAAACCGCCACA	CGTCTTGACCTCGACAGGA	MONCS1100
CGR6681	CCAAGAAAGAGAGCAATTTGG	GCTTCGTAACCCGTGACATT	MONCS1101
CGR6682	TTGAGTGTAGTAGGGAGTCAGGG	GGCAAATGGAGTAGAATTTCG	MONCS1102
CGR6683	TTCTTTCCCTCTCTGAATTGTG	GGAAGATCATGCATTGGTGA	MONCS1103
CGR6684	TCTGATTCTGTTCTGGGTGTTT	TGTCACACTCTCTCCACCCA	MONCS1104
CGR6685	CGCAGTTATTCCCTTATTAC	GCCGCCTTCATCAGAGATT	MONCS1105
CGR6686	CCCTCTTCACCCATATCCTTC	CCAAGAGTCTCGCCTGTGTT	MONCS1106
CGR6688	CGCTATCCTCATCCATTACCA	AGGGAAGGCAAGTGAAGATG	MONCS1107
CGR6689	TTGCTTACAAGGATCAAGTTGC	GCAGCTTCTGCTCACTCAAA	MONCS1108
CGR6690	GAAGGAGCGAAGGAAGAGC	GGACTGAAGATCGCCAACAG	MONCS1109
CGR6691	GCCCTCTCCTACCCTAACCA	CAAAGCAACGGATAGAACGC	MONCS1110
CGR6692	ACAGGCCTCTTCACTTTGCT	CAACATCTGTCGCCATTCC	MONCS1111
CGR6693	TCGTCACAGGTCCTTGCTTT	AGCTTTAACAAGCGCAGTGA	MONCS1112
CGR6694	TGGAATCGATACCTCTCATGC	GTCATGGACACTAACTCGAATCAT	MONCS1113
CGR6695	CTAATTTAGTTTGGGTGGGT	TCTCGTGTAGACCATTCGACTT	MONCS1114
CGR6696	TGTGGCCGCTGTGTTTATTA	AAATCGTGTGATTAGTGGCT	MONCS1115
CGR6697	ACCCTAAACCACCCGATACC	AGATGCTCCCTCCCTCTCTC	MONCS1116
CGR6698	CTGCCCTAAGCCTAGCAGAA	TACACTTTGGCGATTTGCTG	MONCS1117
CGR6699	AACAACACCGTTTAGTGCCC	GTCCTTGGCCGGACTTTG	MONCS1118
CGR6700	AGAGAGCGGATAAACAGGCA	CATATCCCGATGGTCCTCTG	MONCS1119
CGR6701	GCGGCTACGTTTCGTCTTT	ACCGATCAAGAGACCTGTGG	MONCS1120
CGR6702	AAGTGTTTGTCTTGGGCTTT	GCCCTGCAAATTGGGATTAT	MONCS1121
CGR6703	GCAACCGTAGTGCCAGAGAT	CTTCCATCCATTCGTTTGGT	MONCS1122
CGR6704	GGAGGAATTGTGGGACAAGA	GTTCCAACAGCATAGACAAA	MONCS1123
CGR6705	TTTGCCATCTAACCTCCCTTT	TTAGCGGTAAGGTATTGGCG	MONCS1124
CGR6706	TTGGCACCCTAGGATCACTC	TCACATGCCATTCCCACTAA	MONCS1125
CGR6707	AGTATGGTCCCGGAGTCTCA	CCCTGGATCCTTAATGCAAA	MONCS1126
CGR6708	GCTCTACAAGTCTACAAGGAAGGG	CGGACCCAGAATCCAATG	MONCS1127
CGR6709	CCATTCAATGTATCCAGCAA	GCCAGTTGACCTGCAGAAAT	MONCS1128
CGR6711	GAGGGCTCTGAATCCCTCTT	TTGTCTGTTGTGGGTTGGAA	MONCS1129
CGR6713	GGCGTGAGTTGAGGTGAGTT	TTTGTTCAGTCTTGTTTCCC	MONCS1130

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6714	CTGGCGCCATTCCTACTAAA	CACAGGTCTCTCCACTTGGC	MONCS1131
CGR6715	AGCATCCATTCATTGCTTCC	TTCGCCTCATCCTCATTCTT	MONCS1132
CGR6716	GATGCCTGTAAATAATGCAGGA	TGCCAGAGATACGGGAAATC	MONCS1133
CGR6717	AACCGTAGTGCCAGAGATCG	ATTCAGTCGTGTAGCCTCGC	MONCS1134
CGR6718	CCTTGATGTGGGAATTTGCT	CATCCGACATTCATCCCTTT	MONCS1135
CGR6719	GGTGTTGGAGTTTGGGAGAA	TCAACCAGTCAATCGTCGTC	MONCS1136
CGR6721	CGGCATAAACAGGCAAAGTAA	CCCGTATCCCGATGGTCTTA	MONCS1137
CGR6722	GGATAAGAAAGGTGAATGAAGGG	GCTCCCTCTCCCGCTCTC	MONCS1138
CGR6723	CTAGGTCGATGCTCTCTGGC	CCGATCTATCCGAGAAGCTG	MONCS1139
CGR6724	ATTGGGTTCAATGATGGGAA	TTCCGGTTAATGGGATCAAA	MONCS1140
CGR6725	ACTTAGGCGAATGCCGAGTA	GGAGCACTGCTTGCTTTCAT	MONCS1141
CGR6726	ACCCGATCACACCTGAACA	CCAAGCTTACCAATGTGTGAA	MONCS1142
CGR6728	TTGAAATCTGCCGTAACCGT	ATCTGGTGTCTGTCGAGCG	MONCS1143
CGR6729	AGTGCCAGAGATACGGGAAA	TGCAGGAGAATGGAAGCTCT	MONCS1144
CGR6730	TCTTGCTCATGGGCATACTG	AAATGGATCGCTGAGCAGAC	MONCS1145
CGR6731	CATCACTAGGTCTCTTCACTTTGC	TTCAAGGTGAGGTTGGGTTG	MONCS1146
CGR6732	GAGAGCTACCATGGCCAAAC	TGAGTCTGCTTCATCCATGC	MONCS1147
CGR6733	TTTCCGATCACAACAAAGGT	CCAAACGGCTATAAAGGTCG	MONCS1148
CGR6734	CCTCCTTTCTCTCCTCCTGTT	GGGAAGGCAAGTGAAGATGA	MONCS1149
CGR6735	TTAACCAAGCGCAGTGAATA	TCGTCACAGGTCCTTGCTTT	MONCS1150
CGR6736	GCGCAGTGAAGTATATCCAAA	GTCGTCACAGGTCCTTGCTT	MONCS1151
CGR6737	AGGCAGCAAAGAAACCATTC	CCAATCATGCACTTCTCCC	MONCS1152
CGR6739	GTGAGGTGGGCAACCGTAGT	ATGCGTGTCCCTAATGCC	MONCS1153
CGR6740	AGGCCTCTGCATAGAACTCG	CGAAGATCACCGAAGATGGT	MONCS1154
CGR6741	TTGGGAAATTGGGTAGCTTG	AGCATTGCTCGTGTGTGAAG	MONCS1155
CGR6742	TACAACCCTGCAAATGGGAT	TTCTTCTAATGGGCATTTCTCC	MONCS1156
CGR6743	TTCATTCAATCTGACCCTGTTC	AGTGAGGTGAAAGAGGGCTG	MONCS1157
CGR6744	TCACATGCCATTCCCACTAA	GTGGACAATTGGGAGCAGTT	MONCS1158
CGR6745	CCCAAACAAACACTCATTTC	AGAAGTGCCCTCACAATGCT	MONCS1159
CGR6746	AACTATTGAGGAGGCTGCGA	TCCTCTTTCTCTTCCTCTTCCC	MONCS1160
CGR6747	ATCTCCAAAGCACATCCCAC	TTTGGGTTAGAAGGCGAAGA	MONCS1161
CGR6748	GATCGGGATTGGGATTGTAA	TTCGGCTTCTGCTCCTGTAT	MONCS1162
CGR6749	CCCATCAGTCCACAACTACAAA	ACCAGGAGCTTCCTCAGTCA	MONCS1163
CGR6750	CAACTGCAGATGCAACAACTTT	GGCTGCTGTTGTTGCTGTT	MONCS1164
CGR6751	TAGCTAGAATGGAGGGCGAC	GGATGGAATTGGATCACCC	MONCS1165
CGR6752	GCTTCATAGCAACGAATCCC	AAACTCTCGACGTCTTGCCT	MONCS1166
CGR6753	CAACAGCCACAACAGACCAC	GGTATATTTGCAGCATTTGCCT	MONCS1167
CGR6754	GTAGCGTGACGGCGAACTA	TTGGGCTACTTCGGTATTGG	MONCS1168
CGR6756	GCAAGGAATGCCTTCCAATA	GCTTCTGCTGATGATATAGCTGTT	MONCS1169
CGR6757	TCGGATCAACCCGACTGATA	GAGAGACCAACCATCATCGC	MONCS1170
CGR6758	GGAGAAGCGGACTTGTTGAG	CCATTATCACTTGGCAGAAA	MONCS1171
CGR6759	CGACCCATCCGATAGCAATA	AAACAGAGAGGTGTCGACGG	MONCS1172
CGR6760	CGGGTGAAGGAAGAAACTAATC	ACCGAGCAATAATCCAGCAG	MONCS1173
CGR6761	ATCTTCCAAATCTGCAGCAA	GACTGGGCTCCAATCAAATG	MONCS1174
CGR6762	TTTCCTGATTCATTCCTCGC	AATGGAAACCCACCCAATTT	MONCS1175
CGR6763	AGGATCAGACCCAACAATGC	GAATCCCTGATGAGGAACGA	MONCS1176
CGR6764	CCGATCTTTACAAGTCTCAGTCA	GGCTTCCAGCAGACATCAAT	MONCS1177
CGR6766	CTTTGGTTGAGGTTGTGCAG	GAGTCTCTGATGGCGCAAA	MONCS1178

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6767	CCCTGAGAGACTGTGGATGG	TGCCTGTTAGTGGCTTATCG	MONCS1179
CGR6768	AAACAGAGGAAGATGGTGAACA	CAAACAATGGTATTTCGAGCC	MONCS1180
CGR6771	TAATCGGAGAAATTCAGGCG	TAATGGAGTCGAACCCAAGG	MONCS1181
CGR6772	TTTGTGCCAGCCATAACCTT	AATTTGCTCGTGACAAAGGC	MONCS1182
CGR6773	TCGGGAAGTTGAGTCTGAGG	TAATGGGTCACAGCAGCAAG	MONCS1183
CGR6774	ACGAGAGACAATGGGAGCTG	CGAACATACATCGCATCCAC	MONCS1184
CGR6775	TTTGCTTAATTTGGCGGG	ACCACATCCCAATCTGGAAA	MONCS1185
CGR6776	GGTGAATCAAGTAGTCATCACCG	ATGGTAAGAGCCCAACAACG	MONCS1186
CGR6777	CGCAAGGAGTTCGATTCTTC	AGCTTCCCTCGTGAGTCTTT	MONCS1187
CGR6778	CTGAACTCGGGCCTTAAGAA	GTCACCTTCCGAGAAATCCA	MONCS1188
CGR6779	AAGAGAAGGTGGTGGAGA	TCAACCATCACCATTAACCA	MONCS1189
CGR6780	AGAGATGGATCTTGGGATGC	TCTAGGAAGCTCGTGGGATG	MONCS1190
CGR6781	TTCCCTCCCTCTTCTTCCTC	AAGGTGCCACTGCCACAG	MONCS1191
CGR6782	GCCAGGCAGCCATAACTTAC	GCTGAGCCTGTTCCTCTGAT	MONCS1192
CGR6783	CGGACAAATCTAGCTGCACA	GCCATAATTTAGCTCGCTCAG	MONCS1193
CGR6784	AACATGGTCAACAAGGGAGG	TTGTGGCTCCAATTTGACAG	MONCS1194
CGR6786	CGGAAGAGAAGTGGTGGAGA	CATCGCCATCACAATAACCA	MONCS1195
CGR6787	CTCCCAAGGTTAAGTGGCTG	TCAACCCTCAATTCTCACCC	MONCS1196
CGR6788	GCAGCCTGCAAGCTTACTCT	CCGCAGGGATTTCAATAAGA	MONCS1197
CGR6790	AGGAAACATGGATCACTAAC	GCTGATGTGCCAGAAGATGA	MONCS1198
CGR6791	GCGTCATTCGCTTTGACAAC	TACTCGAGCCGGAGAAGAAC	MONCS1199
CGR6792	GGCTGTATTTGCAAGGTGGT	CATTTCCTTCTCTCGCCATC	MONCS1200
CGR6793	TCACCCTTTCGCTCTCTCAT	GGGTCTTGATGAAAGCGGT	MONCS1201
CGR6794	TTTCCTTGAAAGAATGCCCA	ACAACCAGAGCCTGTCTTGC	MONCS1202
CGR6795	ATGAGACCCATCCCTTCGTT	AGGCATGCTCAGCAACAAC	MONCS1203
CGR6796	TATAAATTCCGGCATCTCCG	TTGGCAAATGGATGTTGATG	MONCS1204
CGR6797	GTGGAAACCCACCCAAGTTA	GGCGGAAGGATACAAAGGA	MONCS1205
CGR6798	CAATTTGATCAACAGCAGCG	AATAAGCTGAGATCGGCCCT	MONCS1206
CGR6799	CAAGGGCGCCTTGAGTTT	CGCCTTGGCCTCTCCTTT	MONCS1207
CGR6801	TGATAGCACGACAGCGAGAG	GCCCAATCCGAAATCTATGA	MONCS1208
CGR6802	GTTGCAACATGGTCAACGAG	GACCATTACCCAGTTGTGGC	MONCS1209
CGR6803	CACGGATCAGATCTGGGTTT	TGAATTTGCTAGACGCCACA	MONCS1210
CGR6804	GAGACAGGCTCCCATGATGT	CTTGTTTCTTCTCTCATTGCCA	MONCS1211
CGR6805	GAGGAACGACGAAGGAGATG	GGATCACGGGTAGACCCACT	MONCS1212
CGR6806	TCAATGATTCAAGGACCGAA	ACCCATTATCCAATTGTCCC	MONCS1213
CGR6807	TGCTGAAACGAAACCTCGTA	AAGTGACAAATCCACTGCCC	MONCS1214
CGR6808	AAATATGTACCATGCCCACCA	GATCGAGTCAGGGTATGGGA	MONCS1215
CGR6809	TCCTTATTAGGCCCTCGTGA	TCGCAAGGAGTTCGATTCTT	MONCS1216
CGR6810	GAGTAATCGCCCTACCCACA	TCCCAATCGGTTATTGTTCC	MONCS1217
CGR6811	TACACGAACTATGGTGATGG	CCAGGTCGGAGTCAGAAGAG	MONCS1218
CGR6812	TTGAACGAGCTGTGAAAGACA	GGACACTTCTCTTCGAACGC	MONCS1219
CGR6813	TGAATTCGGGTTTCTCGAAG	CCAGTAATCACGGGCGTTT	MONCS1220
CGR6814	CAGCAAGACAGAACGCCATA	TTCAACAAGGCTTCAGTAGA	MONCS1221
CGR6815	TCCTGCTCCGGAACTCTTTA	CCTCGTCTTCCTCTTCCTCC	MONCS1222
CGR6817	CCCTTTGGTCTCAAGGCG	GGACGTGCCTAATCCTATGG	MONCS1223
CGR6818	GCGAGCATCGACTGTGTACT	CAGTTCACTCCCATCAGCAA	MONCS1224
CGR6819	TAATTCCATCGCGTCATCAA	AAGCCTTCCATGTAAGCTAAACC	MONCS1225
CGR6820	AGATCGGGACCTCTACCGAA	ACTGGTTCCATTGGTTCTGC	MONCS1226

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6821	GGCTGTAAACGAAACCTGGA	ACGAGATATGTGCCAGTCCC	MONCS1227
CGR6822	GAATTCCAATGACTTCCAGCA	GCAAGGAATGCCTTCCAATA	MONCS1228
CGR6823	GGGAAGAACATGTCATACGAA	CAGAACAGGTGATTGTATTTGG	MONCS1229
CGR6824	AGGGCAGAATCACAGATTGG	CAGTTGACTGCATTGGTTCG	MONCS1230
CGR6825	CCTCCGGTGTGGTCTTTATG	TCACGCTTCACACCACTCTC	MONCS1231
CGR6826	ATAGGACCGATCTCGTCGAA	CATGATGACTTCTTATGCCGA	MONCS1232
CGR6827	GCAGATGAGCAAAGTGCAGA	ACGCCGGTATGTGATGTTCT	MONCS1233
CGR6828	AGACCCATCCCTTCGTTGTT	GGACAAAGAGCATGATACAGCA	MONCS1234
CGR6829	GAGATCAACGGTGGACGTTT	CCTCACTTCTGGTTCTTTCCC	MONCS1235
CGR6830	GGTCGGGTCGGTTCAACT	GAGGAAAGAAAGGAAGAGAGGG	MONCS1236
CGR6832	TGCCAAATACCCAAATCCAT	ATGCTGGTCACGAAGAGGTT	MONCS1237
CGR6833	CAACTTTGCCGGAAAGAAA	TCTTCTGTGATGTTGCTGCG	MONCS1238
CGR6834	GGCAAATACACTCCACATGC	TCCCTTACAGAAAGGCAAA	MONCS1239
CGR6835	GATGGCGGGCATTTCATA	ACCGAATGGTCTCCACAAAG	MONCS1240
CGR6836	CACTGACCAAAGGGTGGTTT	CTGTAGGCGGGAGCTTAGAA	MONCS1241
CGR6837	AACATATCTTCGCCGGTTGT	GAGGCAACATAATCACCACCT	MONCS1242
CGR6838	TTCCTGTCCTGGGTTCTTTC	TTTCGCTTTGCAGGAAGACT	MONCS1243
CGR6839	TCGCAATGTGGTAGGCATTA	TCACTACTTGCCTTCGCTTCT	N/A
CGR6840	TTAATGGCGGCTAAACTTCG	ACTTGATTTCCCGCCTACCT	N/A
CGR6841	TGATTGTTGAAGCTGGGTTT	TGTCTCTCTCCAATCACCCA	MONCS1244
CGR6842	CTCACCAGTTTGGAGGGTGT	GCTTCTGAGATATCCCATCATA	MONCS1245
CGR6843	CCAACAAAGGAGGGTGACAG	GCCAAGCTTCCCTCCATTA	MONCS1246
CGR6844	TGGGATCCAGATACATTGCAC	AGTTCATTATAGTGCGGCGG	MONCS1247
CGR6846	GGAGGAAGGATAACCTTGGG	TGACTGAACGTGGATGAACC	N/A
CGR6847	CCTGATTTCAAGAGCTTTAC	ATGCATTTCGTCATGACACT	MONCS1248
CGR6848	AAATTGGGCTGGAAATCG	TTACACTCCGCATTGTTTCG	MONCS1249
CGR6849	ACATGAAGGAATAGGGATCT	GGAGAGCAAGCAATTGGAGA	MONCS1250
CGR6850	ATCAAATGTTTGCCGCCTT	GATGCCAACTCTCTCCCAAA	MONCS1251
CGR6851	GGTGGTTTCATCACCTTATTCTTC	ATGCATAACTGTAGGCGGGA	MONCS1252
CGR6852	TGTTTACAACTCAATCCCATCC	CGGCGGTCTAACAGTGTTTC	MONCS1253
CGR6853	TTCAAACGAACACCAGCAGA	TACCCGGTTCTTGTTGATCC	MONCS1254
CGR6854	TTTCACTCAGCCATGACCCT	TGAATCGAGATCGATACCTT	MONCS1255
CGR6855	CCTATGTCCTCGGGCACTAC	TCCCAAATTTGCCATTCTCT	MONCS1256
CGR6856	AAACAATGAAGCCATGGACG	AAGAAAGCTGCCCAACTGAC	MONCS1257
CGR6857	GGCACCTCACATTCAGATCC	GATTCTGCGTAACATAGTGA	MONCS1258
CGR6858	CATGCACACCTCTAGCCACA	TTTCGAAAGTTGAGTGACTG	MONCS1259
CGR6862	TCTGGTCAAGGCGCAGAT	GGCCGGATACTTGGAGGG	MONCS1260
CGR6863	AGGCAGTAAAGCAGAGCAGC	AACGCAAGGTAAAGACGGAG	N/A
CGR6864	GGTCCCTAATTGTTTATTGGCA	GGCATAGTTTCCATTAGTTC	MONCS1261
CGR6865	TACGTTGCCTTGCCTTTACC	AAGAGTTGCATCTTGTGTCAGC	MONCS1262
CGR6866	GCATAAAGCAAGGCAAAGGT	TCCGTAACAACGTGCCATAA	MONCS1263
CGR6867	TGTCGAAGGTGCAATGATGT	CCAAGAAAGAGAGCAATTTGG	MONCS1264
CGR6868	ACCACCTGACCACCAAAGAA	TTTGCACTCCACCTCCTTTC	MONCS1265
CGR6869	TCCTGTGCATGCTATTCTT	AACACATCCGCAACTGAAAT	MONCS1266
CGR6870	CATGTATAGGCGTGCATTGG	TTGTAAGAAAGGGTGGTGTGAA	MONCS1267
CGR6871	CGTGCATTGGTTCCTATGAG	TGGTGTAACACAACCGTTCAA	MONCS1268
CGR6872	ACCAGCTTGCTCACTTCGAT	CCTCCAAGACTTGTTTAACGAAC	MONCS1269
CGR6873	AGTAGCCACCACCCTCTCCT	CACAGTTTGGGTTTATTCCGA	MONCS1270

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6874	AAACGCAGATTGCAGAGATG	CACGCCTAGCCTCCTTGTT	MONCS1271
CGR6875	CAACTCGCTCTCAAATTCTCA	CAGTGAGGGACGCAGACATA	MONCS1272
CGR6876	TCACGTCGTAGAACTGGGAA	ATTGAGAGCCAAACACAGGG	MONCS1273
CGR6877	TCTGAATGACTTGCCTGTGTG	GTCTTATCCACTGCGCCATC	MONCS1274
CGR6878	GAGCCATTCACGTGTCTTGA	GCCTCCTGCTCTTCATCATC	MONCS1275
CGR6879	CAGCGTAAGCAGAGATGTGTT	GTTCAAGGTATTGCCCGAAA	MONCS1276
CGR6880	CGGCTGTATTTGTTTGGTGC	GGGATGTGAGGGCATCATAG	MONCS1277
CGR6881	GCATATTCAAACGCCACAAA	CGACACTTGAAGCCAAGGA	MONCS1278
CGR6882	CCCTTTCACTTTGAAGGAC	GACCTAGTGAAGGAGGTAGGCA	MONCS1279
CGR6883	GTTACATGGCATTCGGCTTT	GCTTCCGAAATCTTCAATTAGC	MONCS1280
CGR6885	GCTTCTTGATTTGGCAGTTGA	TGGGCTTACTTTACCAGCTTT	MONCS1281
CGR6886	TATGCTGTTCGCAATGCTTC	GCTTCCTGCTGCATATGAAAGT	MONCS1282
CGR6887	GCATGCAAGCTTAAGTCAACA	CCCTCTCATTCCTTTCCCTT	MONCS1283
CGR6888	GGTGTGTAGCGATCCCTTGT	AGGTCTGTTTAACTGATGCG	MONCS1284
CGR6889	AGACACCAGCATCCACATCA	CCGCTTCCCATTTAGGTATG	MONCS1285
CGR6890	TGATAAGGATCATCAGCAGGTT	GCTTTGTAGATGGTTTACGCC	MONCS1286
CGR6891	TGAACCTCTCAGAGTGATGGAG	CTGCTGTGTCAGGAGCTGTC	MONCS1287
CGR6893	GAGTTACTAGCATCAAGGCACG	CGCCAAGCTTACATATTTCAC	MONCS1288
CGR6894	CCAGTCTTGTAACCTGTGAATTTG	CCGTAATTTGTTGTCGTTCATC	MONCS1289
CGR6895	CCAGGTCATATCTCATCCCAA	CGAAGACTAGGCTATTTCTATACAC	MONCS1290
CGR6896	GCGCAGGTAAGGACTCCC	GCATCAAGAGCAGAAACAGTG	MONCS1291
CGR6897	AGGGAAGATGGTGCAAACTG	AGACAGGAGCAGAGGTCGAA	MONCS1292
CGR6898	GGCAACCAGGTTACTTATTT	GCCAAGCTTACATAGAGCAAA	MONCS1293
CGR6899	GGCAACCAGGTTTCTTCATT	GGAAGTCTAAATTGTGTTGC	MONCS1294
CGR6900	ATCAATCAAACCGGGAATCA	GCAAACAGACAGACAGGCAG	MONCS1295
CGR6902	TGGATCCTATAAGGAAACAG	TCCGGAGAGATTCCTCTTCA	MONCS1296
CGR6904	ACCGACAAATGGGTAAATGG	ATCCATCTGTTGGTCCATCC	MONCS1297
CGR6905	GTGGAGAACGATGAGCCAAA	TTCATGCGCCAAATCAAAG	MONCS1298
CGR6906	CGTCTGTCTGTCTGTCTGTATCG	CCTGTAGAGGACTTGTGGACAG	MONCS1299
CGR6907	TGTGGCGAATGAATCTCAAA	CCGATAGACAGACAGAGCGA	MONCS1300
CGR6908	GAGGGCAATGCTTCTTTCC	TGGTGTCATGCTTGTGACAG	MONCS1301
CGR6909	CCATCTCTCTATCCATCAATGC	CCCGTACCAGACAAACACAA	MONCS1302
CGR6910	CAAAGCCCTTTGCAACATTT	TCCCAATCTCCTTCAGCTTG	MONCS1303
CGR6911	GGGATGAGAAAGGGAGTGGT	TCCCACTTATGTTTGTTCGC	MONCS1304
CGR6912	CCTGCTGCATATGAAAGTTCC	GAGATGGTTGTTCCCTCCCT	MONCS1305
CGR6913	CGCTATCAGAGCCCTTGAGT	TTCGAACCCTGGATAGACAGA	MONCS1306
CGR6914	ATTTCCCATGCATGCTTACC	GGTTTATGTCCATGTAGTTGTGC	MONCS1307
CGR6915	GCTATCAGAGGTAAATACACTCAAG	GATAGATAGATAGACAGACAGACAG	MONCS1308
CGR6917	AAAGTGAGAAAGAGGTTTGAGAGC	CACACAAACACAGACAGACACAA	MONCS1309
CGR6918	TGGCAACATGGAGAAAGTGA	CTCGTCTGTCTGTCTGTCCG	MONCS1310
CGR6919	GTCAGTCAGTTACGGAATCAATGT	GTCTCATGGTATGGCACGC	MONCS1311
CGR6920	CCCACAAACAGACAGATAG	CACAGAAGGCACTATGGCAA	MONCS1312
CGR6921	TAGGGTAAGGCAGAGAGCCA	CTTAGCCTTGCCCATGAAAG	MONCS1313
CGR6922	TCTGTCTGTCTGTCTGTATCATCT	ATGGATGGATAGATCGGGC	MONCS1314
CGR6923	TCACTTTCCTTCGATGGCTT	GAACTTCGGCATGCAGGTAT	MONCS1315
CGR6924	AAAGGTTGAGTGGATGGTGC	TCGCCATGTATGAGCATTGT	MONCS1316
CGR6925	AAAGGGAGTGGTCAAGCAGA	CTGCTCATTTCCACGGATTT	MONCS1317
CGR6926	TGGCATTATAGACGGTCCAG	ATGGATGGATGGAGAGATGG	MONCS1318

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6927	TAATCACGTCGCAGAACTGG	AGACTGACAATCGCAGGCTC	MONCS1319
CGR6928	TGGTTGTTAATTTGACCTGCC	CCCGTCCAATGATACGAAGT	MONCS1320
CGR6929	GATCGCCGGTAAATGGATAA	TGCTGTGTTGTTCTAGCTGTTG	MONCS1321
CGR6930	TACGGGTGTATTGGGTTGGT	TAAAGTGGGCTTTGTCCGTT	MONCS1322
CGR6931	TCCAACAACCAAACTTTCTCTC	AGGTGTTTCTACCACAACTCCA	MONCS1323
CGR6932	CACTAATGACGGACGGTTGA	TTGATCATCCTCTTCCTTTGC	MONCS1324
CGR6933	ATGGAAGGATATGGGCCTTG	AATAAAGTGGCCTTTGTCCG	MONCS1325
CGR6934	GTCTGGCTGCTCATTTCCAC	AGGGAGTGGTCAAGCAGAAA	MONCS1326
CGR6935	CACACTTGTAGATGCTTCACAGAA	ATGCAAATTTGTGGCTCAGA	MONCS1327
CGR6936	GCACTCACCCACTGGAGTAAT	CGACAAGCATACGAATACCA	MONCS1328
CGR6943	TCCAGCTACAACAATGGTGC	AATGTCTTTCCCTTTGCCCT	MONCS1329
CGR6947	TTGGTCAAGGACTTCTTCCG	CATGGTCAATTTGCCTGAGA	MONCS1330
CGR6948	ACTCCATGTCTTTGCTCTTT	TGGTGGTTGCATTACATCTTG	MONCS1331
CGR6949	TACTGACCAAGCGCCTTCTT	TTCTGCTACTGTCTCCGTTTGA	MONCS1332
CGR6952	GTGGTGAGACTGGGCACTTT	TATCTAGGGCTGCGGCTG	MONCS1333
CGR6953	AAAGTTGGCCTGATGGTGAC	TTCCAAGAAGCAAATGACCC	MONCS1334
CGR6954	TGTGGTCATCGTCTCTGCTC	CCTCTGATGCTTTGTCTGCC	MONCS1335
CGR6955	TCGATCTTCTCGGAGATGTTTA	GCCATCAACTACGCACTGAA	MONCS1336
CGR6956	CTGATGCATGGCAGAACAAT	GCCAAGTGCTAGCATTCCTG	MONCS1337
CGR6957	ATTCGACCTCCCTCGACC	ATGGAACCCTGACTGATTGC	MONCS1338
CGR6958	TCATATCACCAGAGCAACGC	CGGCCATGTTTGTAGCTGTA	MONCS1339
CGR6959	AGAGACCGTAATGGTGACCG	CCAGATGGGCACTCTCTAGC	MONCS1340
CGR6960	TTTATTCGTCGCATTGCTCA	AGTGATTGATTGGTCTCGGG	MONCS1341
CGR6961	AGGAGCCAGTCGCTGAAATA	ATGCACATGACGAAACCAAA	MONCS1342
CGR6962	AGAAGGCTGCATCCATCAAG	CCAGGGCAGTTCTACTACGG	MONCS1343
CGR6963	GTACTGCTCGTCTGCTCCC	AGGTGACAACGAAGACCTGG	MONCS1344
CGR6964	TTCCATTTCAAGATCCCTGC	CAGGCCTGTCTCTGTCTGC	MONCS1345
CGR6965	GCCAAGCAGGAGGAGTAAGA	TGATCACGAACGCCTGTAAA	MONCS1346
CGR6966	GGTGGGTTAAGCTTGGGAGT	GCAGACAATGTCGTCCTCCT	MONCS1347
CGR6967	GAGGAGAGGAGAAGCAACCC	CTCTCCCTTAGCTAGCGCC	MONCS1348
CGR6968	AAAGCTCCGAAACAGAGCC	CCCTCTCTTCATCGTCCATC	MONCS1349
CGR6969	CTTTGCAGATCTTGTCGCTG	CCGCTCTTGTGTTCTGATGA	MONCS1350
CGR6970	TTGCTTGCTTGCTTCATCTG	CGTTGAAGGGCAAACACAC	MONCS1351
CGR6971	TCCTCTCTCCTCGTCAGCTC	ACATCTTGTTCTCGGGCTTG	MONCS1352
CGR6972	ATCCATCACACCGACCTACC	AGCCGACGGTACAACATAGC	MONCS1353
CGR6973	GATCCTGTTGACGGATCGAG	CATGCCAAGTGTTTGTCTGC	MONCS1354
CGR6974	CCGACACTTGGTTGATGAGA	CAAAGGCCGTGCTGTACATA	MONCS1355
CGR6975	GACTTGGGAGAAGAAGCCAA	ACCTGGACCTGGGATTAAGG	MONCS1356
CGR6976	CCACAGCAACGACCAACC	CTTGAAGGTCGAGACGGAAC	MONCS1357
CGR6977	TAAATTGCACGAGATTTGCC	GCCTCCCATCTTCTTCCTCT	MONCS1358
CGR6978	GCCACCTGTCTACTGCATCA	CAAGCTTCATGAGGTCCCTT	MONCS1359
CGR6979	CATTTGTCTCCGACCTGTCC	GCATACCACAGTAGTACATCACACG	MONCS1360
CGR6980	GTTGTCCTCAAGCAGTCAAG	CGCAGTCCATCTCCCAGT	MONCS1361
CGR6981	TCAAGTTCCACAAACGCAAG	TCGTAGTGCGGCTGTCATAG	MONCS1362
CGR6982	CACCAGCTTGCCAAATCTCT	AGTGGGCGGTCTCCAAAC	MONCS1363
CGR6983	TAAGCCACTTTGACCATCCT	CTTGGCAGAGCAACAGGAA	MONCS1364
CGR6984	CCAGGTCCAGGTTACAGAGC	GTAAGGTGGATGTCGTGGCT	MONCS1365
CGR6985	CATTCACGCACCTAGGGTTT	TGATGGTATTGTCAGTGGGC	MONCS1366

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
CGR6986	AGCCACCTTCAGGAATCAAA	TGATCCATACATGTGTGTCAGG	MONCS1367
CGR6987	CTGGTCTGCTTCTCCTCACC	CCTTGCTGACCAAGAAGAGC	MONCS1368
CGR6988	AACACTCGTTGGAAATTGGG	CGCAGGAAGAGGAATGATGT	MONCS1369
CGR6989	GGACATGACCGTCTCTCGAT	GTGTGTGCACGTACGCTTG	MONCS1370
CGR6990	GAAGTCGGATCCCATCAAAC	AAAGCATAGTAAGCAACGGC	MONCS1371
CGR6991	AGATCGGATCGAACTGCCT	TCCTCCTTCGGCTTGAGTAA	MONCS1372
CGR6992	CCTCTCACTCTCAGATCCGC	GATCTCGACTCTCGACTGGG	MONCS1373
CGR6993	CCAGCTAGCTTCTCACCACC	CTCCGGTGCTGTGGTCTC	MONCS1374
CGR6994	CATTCCAACCTCTGCAGGAA	ACGACAACACCCGAGACAAT	MONCS1375
CGR6995	CTCCCGAGATACCGCAATAC	GCACACGTTCTGTGGCTAGA	MONCS1376
CGR6996	TGCATCGTACACTGCTGACA	TTCGGCAAGGAAAGAAAGAA	MONCS1377
CGR6997	CACGAAACGTGAAGGAGACA	CGAGGATCAGGTGAAGGAAG	MONCS1378
CGR6998	GGGTCGGAGGAATTACAATG	TCATCTGCCAACAGGAGAGA	MONCS1379
CGR6999	CTTGCTCCACAGCTCCTTGT	GCCGAGTGTTCGTTTGTCTC	MONCS1380
CGR7000	GGCAGAGACAGTTAATCGGC	AAGAGGGCACCGTATGATTG	MONCS1381
CGR7001	CCTAGCATCAAGGAGATGGC	CATCGTCGCCACGTACTTCT	MONCS1382
CGR7002	CTCTCCTTCCTCGGCGTCT	GGAGGAAGCCGAACTTTCTA	MONCS1383
CGR7003	CACAGCAACCATGAGAGAGG	TGAGATTGTTCTCTCTGCCTCA	MONCS1384
CGR7004	TGTGAGATGGTTCTCTCTGCC	AACTGGCCACAGTCCTCATC	MONCS1385
CGR7005	TCTCGTAAATTGCCTGGGAG	TGCTGGAGAAACAGAGGGAT	N/A
COT001	TGTAAATAGCCATTGGAA	ACAACTATGTTATCTCAAACC	MONCS1386
COT002	CTTAGCAAGGAGTGGACTA	CCTTGAATTGGATAAAAACTA	MONCS1387
COT003	TTAATATGTTTGATTTTGAGG	TAACCATAATTACACAACCAT	MONCS1388
COT007	GTCACATTACCAAAACACAC	TATTGATTCGGTTATCTTTCA	MONCS1389
COT009	CAACCGTTTGAACACTTGTAA	GTGATGGCATATTTTGGTCTA	MONCS1390
COT010	TCACGCTTATACCTACAATGC	TTGGGATGAGGCTGAAC	MONCS1391
COT012	CCATATCAAAAACGACA	GTTGTAAATAGTCATTGGAAT	MONCS1392
COT018	CGGATTGTGATGTGGGGTAAG	GATGTGCTGCAAGGCGATTA	MONCS1393
COT020	ATCCCTACATACCATAAAGTG	ATTTGCATGGGTTGAG	MONCS1394
COT021	GTTCCCGGCGGTTTACT	AAATACTGCTGCGGTGTCTGT	MONCS1395
COT024	GCCACAGCCGCCCCATA	CGGTCACGTGTGCATGAGTGT	MONCS1396
COT026	ATTAAAAACTCGCTGGTATGG	TGGCTCTTTGATTCCCTTAT	MONCS1397
COT027	AAGGTCCTTATCTTTGATTTT	GGATGTTGAGTCTTTATGC	MONCS1398
COT029	GGAAATTGATTGAACTATGAA	CACGGACTCACTTTACAGAC	MONCS1399
COT030	CTTTGGCTCTTTGATTCCTT	ATTAAAAACTCGCTGGTATGG	MONCS1400
COT032	TTGCATAAACAAGTGTGTCT	AAAAGAGAAGTCAACTGAGGT	MONCS1401
COT035	GGCATTTGCTTCCACACA	ATGGGACACAGGTAATCAACA	MONCS1402
COT037	TTTTATGGATCCTTACTGCTA	ACAAGATCCACTTTCCTAACT	MONCS1403
COT038	GACACAGAAACTCACATCCAG	ATTGGGACTTTGATTCAGC	MONCS1404
COT041	TTGCAAATTTAGCCAAGTAAG	ACGGGGCTCGATAGTC	MONCS1405
COT043	GAAACAATAATCATAGACACA	GACATTGTAAGTTAAGTTGGT	MONCS1406
COT048	TCCGTAATTTGTTGTCGT	TGAATTTGTATTTTTCCAGTT	MONCS1407
COT052	CTCATCTCATGACCGAATGTC	TATATGTGAATGGGGTGGTTG	MONCS1408
COT058	TATTTTATCCTATGTTCATCC	GTAATGTTTCTTTTGGTTTT	MONCS1409
COT059	CACCCTTGACAGTTACCACAG	TTTTCGCTTTTGCCTTTG	MONCS1410
COT064	AAACCCAATTAGAGAAGCAG	AGAGAAGAAGAAGACGGAGAT	MONCS1411
COT065	TGTCTAATTCTGAACCCGTAT	CTTCTCTTCGCAATCCC	MONCS1412
COT070	CCTCTCCTTGACTTCACTTTC	TCCAACTCCAACTTCACAAC	MONCS1413

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
COT076	CCGCCATCTCTTCTAACACAC	AGAGCCAGGACGACGACT	MONCS1414
COT090	GACCTGTCTCCGTTAAATGTA	ATAAATCTCCTGGCTTGTTG	MONCS1415
COT091	TATTTGATGACTCATCCACAC	ACCATCCCTACACACCAT	MONCS1416
COT093	GTTGCTCGAGACTTGCTATCA	GGATTGAAGAGGAACACTGC	MONCS1417
COT096	GGCGCTTCCAGTCTCGTTTT	TTTAACCACGTCGGCTCCAAT	MONCS1418
COT097	GTTAAGCACAATTAAAAGCTA	CATGTTTCTCTCACCCTAA	MONCS1419
COT099	CATTTGGTCCCTCCTT	AACAAAACAGTAACGAATAGA	MONCS1420
COT100	AAGCATTCCACCTCATCAAG	TGGTTGTTTTCATCCCTAAGA	MONCS1421
COT101	ACGGTCTAATTGATTTTGTGT	AGCGAGTTGGAGGATG	MONCS1422
COT102	CATTTTTGCTATTTTACCATT	AAGCTTACCATAACGACAAT	MONCS1423
COT103	TTTCTATAAACCGAATCTAA	ATTTTAATACATTTTTCCATA	MONCS1424
COT104	GGCAATGAAAAAGAAGAAAAG	GAAGACCCACAATGAGACAAT	MONCS1425
COT106	ATTATGTTTAAAGATTGGTAT	CGTTGATAAATGACACTAA	MONCS1426
COT107	TTGGAGGGAGAGTTTA	AAATGTAATGATAATAATGGT	MONCS1427
COT111	GATGTACGCATGTATGTAT	CTGTTTTGTTTATATTTTCAT	MONCS1428
COT114	AATCTGGTCCCTGCTT	GAGTAAACAATAAAGGCAAAT	MONCS1429
COT115	ACGCATTGAATCCTTTTTAGC	CATCCGAGAACCCGAAGT	MONCS1430
COT117	GCATGTTTAGCATTTTTGGAA	CTCTATCAACATCGGCTTTCA	MONCS1431
COT119	ACAAATTGCCAAAAGTAT	TAAGCCATAAATATTGAAAGT	MONCS1432
COT120	AATAATTTGGATGGTGATAA	TAATTCAAAACTTGTTAGCAT	MONCS1433
COT121	TCGGCCGAACCTCCCTA	TCTGGATCCCGGATGTTATCA	MONCS1434
COT122	CATCATTTCCGTTGTTGT	AAAGAGCAAAATAACCACATA	MONCS1435
COT123	AACAATGTATGTATATCACAA	CCTCACATTTTAATCCTT	MONCS1436
COT124	TCCTGCTAGCAGAGCTGTCTT	CAACGGCATCTCGAAAAGT	MONCS1437
COT125	GGTTTATTTGCCCTGTT	CTAAAAATGGTATAAGTGGGT	MONCS1438
COT128	CCCAGAAAAATTCACAATCTC	TCTGACGACCACAAACCA	MONCS1439
COT129	CCTGCTATCCTCGTTCACC	GGCAAAAGGGAGTAATCAACA	MONCS1440
COT130	TGAGCGAACCACCCTTTA	CAAAAATTGAAAACCCGATAA	MONCS1441
COT131	AAGCTCTCAAAGTCCC	TACTAATATCGAGGTGTATCA	MONCS1442
COT133	CGAGGTCCCCAGTCAA	GGCGTCTAAGATTTCAATGAT	MONCS1443
COT134	TCGTTTTAGAGGAGAGG	AAGATTAAAAGGTAGAAATGA	MONCS1444
COT135	AGTTTAGAGGATAACGGGATA	TGCATGAAAGGCTGAA	MONCS1445
COT136	TGTATTTCTATAAACCGAATC	TTTCCATATCAATCCACA	MONCS1446
COT137	AAAATTAAATGGTATAAATGA	CCGGAGTATTAGGAGC	MONCS1447
COT139	ACAGATTCAAAAACAATGGAA	CTTCTGCAAGGTTTACCAGT	MONCS1448
COT141	TGCTTTCACTTTTGCGTCTT	GAGGAAAAGGCATAACCAGAA	MONCS1449
COT142	TGTTTATTGCCTTTACTCTTA	AATACCAAAATGGCTCA	MONCS1450
COT145	ACATGCTCGGTTTACAAAAAT	CCATGACTTGCCTTTCACTA	MONCS1451
COT151	CTGTGTACGATGGTCAAA	TATAAACTCTTAGCCTTGTCC	MONCS1452
COT152	CTATACAATTAACCCAGAGGA	AAGCTTACTCACAATCTTTTC	MONCS1453
COT154	TGCACATTTGTGGTGTTTTTG	GTGTTGTGCAGGCGTCTC	MONCS1454
COT165	ACAGCCCCTCATCAACATC	GCTGTATTGTGCCCTGACATT	MONCS1455
DC20001	GAAAGGGGAATCACAATG	TGCTTATTTTTAATTACAGAT	MONCS1456
DC20002	TTAATGCCTATTTACAATGT	GGAGGGGAAAATGTATGT	MONCS1457
DC20003	AGTAATAAAAATGGCATAGAA	AGGTATGCGCGTGTTTG	MONCS1458
DC20004	TTGTAGTAATATATTGTGCAG	CTTTCTTTAGGGAGTTCA	MONCS1459
DC20005	CATGTTTTTGCGCTTAT	TCTAAATGGAAATGTAATGAT	MONCS1460
DC20006	CCTTTTTGTTATATTGTTGCT	TAATAAAAAATAAGAAATACA	MONCS1461

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC20007	TTACAAAACAATGACGATGGG	CCTTTTGCTCCTCTAACTTCC	MONCS1462
DC20008	GCTTTGCCTTCCAGATGTAG	TATCACCATTCCAGGTTAGAA	MONCS1463
DC20009	CTTTCCCTGCAAAGCGATA	AAGCATTCATACTCTCCCCAA	MONCS1464
DC20010	AAGCCGCCGCATGAAC	TGGTAGGGGACTATATACTCA	MONCS1465
DC20011	TCAATGGTCCTCATTATCAGA	ACATTGCAGCAGATCTATCAG	MONCS1466
DC20012	TCATATCTTATGGTTTGGTTT	ACACATTTTGCCATCTATACC	MONCS1467
DC20013	AAACATAAGCTGGAACGTC	CATGGGTTTTATCTTAGTGA	MONCS1468
DC20016	CTACCATGGGCTTCGTTCAGA	TTGCAAAACGGGCTAAGTGT	MONCS1469
DC20017	TTCCGAACTTGGCTTATGAGA	GATGTTTCACGATCACCACTG	MONCS1470
DC20020	GCCACCATTCCTACCG	AAAATAATCAACATGTCCAG	MONCS1471
DC20021	AAAAGGGAAGTCGAGC	TCTACCCCAGATCGTGTGACA	MONCS1472
DC20022	GTAACTCCATTCGTCCCATC	TGAATCAAGAACAGAGAATCC	MONCS1473
DC20027	AATAAACCCTTCAGACAACAG	CTACCTAGTTTTGCATTATGT	MONCS1474
DC20030	AAATTTACGTGTTGCATCTAT	TTCCTGCCAAATTGTATATG	MONCS1475
DC20035	GTCCACAAGCTGCTCCAATG	ATTTCTGGATTTTCGTTGCTA	MONCS1476
DC20036	CATCAAGGCTATTTAACATTC	TTTTGCCTCTGGTATGACAC	MONCS1477
DC20037	CTCAATTGCACATGACCGTGT	CCAAGTTTTAGGGATCGTCTC	MONCS1478
DC20045	CTACTTTATCAATTCAGCACC	AAACCAAGTCCCGAATCCA	MONCS1479
DC20046	ATGCACATGCAGCCTACTA	TATCCCATAAATAAAGTTGAA	MONCS1480
DC20047	GTCTCATTTACACCCTACATC	CCAATTGACATGTCTGATAG	MONCS1481
DC20052	CTTATATCAAGACGGTCTCAA	GAAGAAGAAGACGGAGATAGG	MONCS1482
DC20053	TTCAAAGAAAACCTCATCATC	TGCTGACTGCCTCTACGACCA	MONCS1483
DC20058	AAACAATGCAGGTAAGGAAAT	TTCCCAGAAAGCCCTACAAC	MONCS1484
DC20061	GGTAATTAATTTATACAACGG	GCTCTAGAGCAGGTTAGTATG	MONCS1485
DC20064	TACCCGTGTGGTCAAGACTTA	GAGGTGGTTATGTGGTTGTGC	MONCS1486
DC20066	CGTGCATATCATTAGGAGTT	AATTTCTGTATTCTGGATAAA	MONCS1487
DC20067	ATGCAAACCATAAACATCT	TGGGTTTGTGTGCTATCT	MONCS1488
DC20068	AACCACCCCCGCACTA	AATTAAATCAAGAATAAGCAC	MONCS1489
DC20069	TTTATCCCTTGGCTTAGTC	TCTGTAGACCCAGTGCTTATA	MONCS1490
DC20070	TAATTCCTTACTTATTTGACT	GGAAATGGAAGAACGAAA	MONCS1491
DC20071	TATTTTATCCTATTTCAGCTTCT	TTCCTAAACTATATAGCATGCTT	MONCS1492
DC20073	TTTAAGTGATAAAACTATCGT	CCGCCCCTCTGACTAT	MONCS1493
DC20076	ACCAAAAACATACCCAAA	GGAATTAGTTGTTAAGTTGAA	MONCS1494
DC20081	CGAGCATTCGGTTGGAC	AACACCAACATTTTTATACAT	MONCS1495
DC20082	GAATTACCCTCTCCTACACAA	ATAAATAGTTACCCCACGTT	MONCS1496
DC20083	GCAGTGCTGACATTCGAAGGG	ATGGCTTTTGGCATTGTTCAC	MONCS1497
DC20085	GTTTCAGGGAAAAATCACGAA	TCGCTTACTATCGCAGTCCAT	MONCS1498
DC20086	ATTTCTGAAAAAAGCACAAG	GGTGGTTATTTGTTGTCTTC	MONCS1499
DC20087	AAACTTGAATTAATATCTTGG	CCTAGGGGAGATGAAGC	MONCS1500
DC20088	AGTGCGATTTAAAATTATGCT	CCTCACTATTATGCGCTGTTC	MONCS1501
DC20089	CCTAAAAAGGGTTCTTGCTAA	CAGAAGGTTGGCTCGTTGTTA	MONCS1502
DC20090	GATGCGAGGACGAAAGTAGAC	GCTATGGAACCACGCAAGTAG	MONCS1503
DC20091	GGTCGTGTTCCAGTTGCAAT	TTAAACGAGAATGATACTAAG	MONCS1504
DC20092	GATTATAACAAGATCGGCTGA	CCCAAGGTGAAAGGATTAGTC	MONCS1505
DC20094	TACAAGAGCCTCTATAATACT	ACTTAATTGCCAATCACTT	MONCS1506
DC20095	AAATCAGTAGCGACAAAGAGA	CCCAGCCCCACCGTCA	MONCS1507
DC20096	ACACATATATGGAAGTTTGAA	GAGGTCTTTCATTTCGC	MONCS1508
DC20097	GACACGATTTCTTTTTGGTTA	TCCCCCTTTCTCTTCTATCT	MONCS1509

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC20098	AGGCATTACCGGAGTTTAC	TTGGAAATCAATGGCATGTA	MONCS1510
DC20100	CACCAAGGTGGATGTAGATGA	TGTGGTGTTGTGAGTAGAGGG	MONCS1511
DC20101	CCCCACCTCGCGAACCAT	GGGGATCCTCTAGAGTCGACC	MONCS1512
DC20104	GTTTTGGGGGCGGGATA	CTTAGGGGAGAAATCGAAAAT	MONCS1513
DC20105	TTTAACTTCATCTTATTACCC	AGCTATAGGCTATGTAAGGAT	MONCS1514
DC20106	GTTTTCGTTAAATGGGTTATT	CGGGGCGAATCTGAAA	MONCS1515
DC20110	TTTTGATTAAACAGATCCTAC	GACCACAACAACGCACTAC	MONCS1516
DC20111	TTAAGCTCCAAAACCCATAA	CTTAATTCAAGGGATGGTCAA	MONCS1517
DC20112	CCTCACTCCTAAAAACCTCG	ACGGAACAAACGGTGATGG	MONCS1518
DC20113	TTACGAAACTCAAACATAAGG	AACACCCGAGGTAAGTTCT	MONCS1519
DC20114	TTCCAAGTGAAATCCCCTAGT	AATGAGGCGAATTACTTATCC	MONCS1520
DC20117	CCCACTTGGTCCTCACTAGTT	AAATATGTAATAATGGATGAC	MONCS1521
DC20119	CATAAGATGACATTGGTTGC	TGTTCCCTCATAGATACTTCA	MONCS1522
DC20120	TCGTGGGAAGAAATTGAA	TGAAAGCTCTTTTCTTATAAA	MONCS1523
DC20122	AGCCGCTAGGAGGTTGCAC	AACGCCACTTCCACTAGACCA	MONCS1524
DC20123	GCATTAACTTCTGGAGCTACT	GGCTGATGAACATTGTCTAAA	MONCS1525
DC20124	GCAAACTCGGGATAACACA	AAAATGATACTTTGGGTCAAG	MONCS1526
DC20127	AATCCCCTATAATCTCATCG	GGAATTTGATTATTGGATGAT	MONCS1527
DC20133	AGACTCTGTCTCTGCGAAGTA	CTATGAAGACCTTAGTAAGCC	MONCS1528
DC20134	GGAATCTCAACTTCGATGGGT	AAAATGAATGGTGCGGTGG	MONCS1529
DC20136	CTCTCACGCTCAACAACTCTC	AGAACGAAACTCGAATGGAG	MONCS1530
DC20137	ATTCCCCATCTAAGACATATT	ACTGACGCACTGGCTACTCTA	MONCS1531
DC20140	GGTCGCCTCTATACTGTTAAA	TGCCACCTTGGTAGACCTCT	MONCS1532
DC20145	TTGACCCTATGCTGCACT	CTGGAAGTTTAAATAAAATCA	MONCS1533
DC20148	AAGGAATGCTCCTTATTTCA	GTAACACCCCTATCCCGT	MONCS1534
DC20150	CGCGTGTTTCCTCTAAAT	GAACGAAACAAGGGTCAA	MONCS1535
DC20152	ACTTTTGGAGAAATATTGTTA	ACCAAGGGAGTGGAAATC	MONCS1536
DC20155	GTTCTCTTGCGAGGCATA	TAAGCCACAAATCCTCCA	MONCS1537
DC20156	TTTACTCTTGCGAAAGCC	CGTCGATATGCTTGGTTC	MONCS1538
DC20157	ACCATCAGTCTGACCCCT	TTAACGAATTAAGAACGCAA	MONCS1539
DC20158	CTGAAACCCTGATGGACA	TATTTTGGCAGCGACTGT	MONCS1540
DC20159	GATTTCAGCCCTGAGGTT	CCGGAAGTTTAAATAAAATCA	MONCS1541
DC20161	TTTAATAACCAACTTAGCAGA	GCCGTGTGAACACTGAAG	MONCS1542
DC20162	CCCATACGAAACCACTGA	AGTCAAATTTTCGAACCG	MONCS1543
DC20163	CGAATCCAGGTGTGACAT	TCAATGACTAACTTGCACCA	MONCS1544
DC20164	TCGATTCGACGATTTTGT	ACGCAATTATCAGTCATGTG	MONCS1545
DC20165	AAAAAGGGTATAAATGGGTAA	CATTTTAGTCCTGCGTGG	MONCS1546
DC20168	AACGACAGTTGATTGGGA	ACCCAAGAGAGGTGAAGG	MONCS1547
DC20174	CGTGTTTTGAACTGAGGG	AAATGGGTAAACAATAAAGGC	MONCS1548
DC30001	TGCGTTTGATTCTTCTCC	ACTGAGTGAGAGGGAGGG	N/A
DC30003	AGGAGGGAAAGAGTGGTG	CCTCCTCACATCCAATCA	N/A
DC30005	ATGAGAAACGGTGTCGAA	TTGACCGAATACTCCCCT	N/A
DC30007	GCCAGTCTTGCTTCTTCA	CCGGAACTATTCTTGCCT	N/A
DC30008	TTGGTTGATTGTGTGCAA	GCAGCGTCAGTGAATCAT	N/A
DC30011	GTTGAAGGGTGACACAGG	TGTAACAGAAGCAGCCTTG	N/A
DC30014	TTGCGGATTTGGAAGATA	CTTCTTCTGTCGAGCCAA	N/A
DC30015	TGAATGGCGTTTCAGTCT	CCCATCTGAAATGGTTGA	N/A
DC30018	TGGCAAGTCCTTAGGTTG	AATGTTGTCATCCATCGC	N/A

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC30022	TTTGGCTGATTTCTGCAT	GCCGAAAACATATGCAAC	N/A
DC30026	GATACCAGCCACCATCAA	CAAGTGTCACGGTGGAGT	N/A
DC30030	TGATTGATTGCAAGGGAG	TTCTTTGCTCACTTTCGG	N/A
DC30033	TGTGTCCAAAGAGGAGGA	AAGAAACCCGGACTCAAC	N/A
DC30034	CTGCTTGCTTTAAGACGG	TAGCAAGAAATCGAACCG	N/A
DC30038	CNTGTCGCCTTCTGCT	TTTCACCATGGATTGTCC	N/A
DC30039	GAATGGATCAAGGGAAGG	ATTCAGCCCCAAGAAAAG	N/A
DC30040	TGGATCACAAGGAAAACG	GACCCCTTCAACTCCATT	N/A
DC30041	CGGAAGATCATGCATAGG	CTTACGTGGCATCCCTTA	N/A
DC30042	CAGTGCCTTGACTGATCG	AAAACCGATTGAAGGAGG	N/A
DC30043	CTTTTGGTGATCACTGGC	TCGTTTAGCTTCCGTTTC	N/A
DC30045	CCTTCTCATCAGGCAATG	CGGAGAGTGGAGGAGATT	N/A
DC30046	TGCGGATGTGTTACTGTG	TCAACTCAGGGATCTTCG	N/A
DC30048	GCAACCTTGAAGCAGATG	GGAGTTTGGGAAACCCTA	N/A
DC30050	ACTCCAGGAGATATGGACG	TGAATTGCACCTTTCCAG	N/A
DC30052	CCCTTTTCAATTGTGTCG	ATGACACCCATTACGGTG	N/A
DC30054	CTTGCCTTCATTTCTTGC	AAGAGGGGTTGCAATAGG	N/A
DC30056	TTCCATCAGCCAAAGAGA	CAACCTTGCATTCAAACC	N/A
DC30058	TCGTAGGAACATTCGACC	TTTCGTTGAGGACTGGTG	N/A
DC30059	ATTACGCCCCTATTCTGG	ACAGAGACTTGGGAAGGG	N/A
DC30068	CTGATGGTGGTGCANACT	CATTGATGCTCAAAGATTACC	N/A
DC30074	ACATGGGCTGTCACTTGT	ACTGAGACCCTAATGCCC	N/A
DC30079	ATGCTGCCATTTATCCAA	CGTCCATTGATTGACCAT	N/A
DC30088	TGAGTGCACTGCATAGGA	AGTTCCTAGTTTTCACACCCT	N/A
DC30090	TCACTTCTCCCACCACTG	GATCAACCACGGGTGTAG	N/A
DC30094	TTGGTGAGTGGTGAGTCG	TAGATCGACCGAACTCCA	N/A
DC30098	TCGGAGCTAGTAGCGATG	TTCCAAAGCAAAGACAGG	N/A
DC30099	ATCAGCGCGACAGAAG	GGACTTGTGCAGTTCGAC	N/A
DC30100	AGCTTGAACATGGCTTGA	TGCTAATGCTCCGTAACC	N/A
DC30101	GTTTTGGCCGATTCTCTT	CGGCTAAATCAAAACCG	N/A
DC30102	CAAGCTGCAATAACCCAG	TTGCTCACTCGCTTTACC	N/A
DC30105	CACCTGACCACCAAAGAA	CCATTATTTTGCCCAATG	N/A
DC30107	GTAGATTGAAGGGGAGGG	ATCTGGGGTAATCGAAGC	N/A
DC30108	TTCTTTAAATGTTCAGAGGTG	GGATCAATTCGAGAAGCA	N/A
DC30110	GGTGGCAAGTNTAGAGCC	ATCGTGTCAGTCTGCTGC	N/A
DC30111	TTAGCAAGCATCCACAGG	TCCTTCCATTGCTCTCAA	N/A
DC30113	CGAAGTGGTCTCTGCCTA	GCATTGGCAAGGAATTTA	N/A
DC30119	CTCCACTCCAACTTCCCT	AGCCAGAACCTCTCAAGG	N/A
DC30121	TTTGCTTTTGTGTCTGGG	TGAATGGGGTTACAGGTG	N/A
DC30123	TTTTGTTTCGGCATTGTC	CCTACACTCAACTCGAGAGC	N/A
DC30124	AGGCTTTGAGCACTCCTT	GATGCACATGCTCTTCTCA	N/A
DC30125	TGTGATTTTCCCGAAATG	TTTGGTGAGGATGTGGAG	N/A
DC30127	GCCATGTTCCTATCCTCC	AGGGTTTAGGGTGTCGAG	N/A
DC30130	ATGACAGATGCTGCTGCT	TCATGACCTGCAAAATGA	N/A
DC30132	TTGGAGACAGCGAGACAT	AAGGAAGAACCTTGTGGC	N/A
DC30133	TCCAATAAGACGTGTGGC	TTTGGGGTTCATTACAGG	N/A
DC30134	TGCCTCCTTTTCTCTCGT	GGAAAGACAAGAAATGTTGA	N/A
DC30137	TTCACACCTGGACTCACC	TGTTTGAGGAGGAATGGA	N/A

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC30141	CAGGGAATTGGTTCATTG	TGCTCGTCCAATAGGGTA	N/A
DC30145	TACACTTCCGCCAGACAT	CAGCCTCCAAACTTGTGT	N/A
DC30149	TGAGTATTTGTTGGCATCC	AGCACTACTGATGCTCGC	N/A
DC30150	TGGTCTTTCTTTGACCGA	AGCACCCGTACACTCAGA	N/A
DC30151	TTCAAAAGATGGAGGTCG	AATGCCAAATTCTACCCC	N/A
DC30152	AACTTGAATCATAACACCCA	TAATGGCAGGGTCGCT	N/A
DC30153	CAAGTTCCTCTCATGCAAA	CGAGTTGNGGAGTGGTAA	N/A
DC30155	CATTTGCAGAAAACCCAG	AAAGACAAGGCACCAACA	N/A
DC30156	TGTAGCAGTGGGACAACC	CGAGAGCTACCTCCCTTT	N/A
DC30157	GAGTTATGTGGACGCTCG	CTATTCTGGCACTCCACG	N/A
DC30159	TTTGGACATGGCTAGTGG	CCTTGAAGATTCCACACG	N/A
DC30160	GCCCTTTCCATTCTCAAT	CGAGAGTTCCATCATTGG	N/A
DC30164	TTCAAAAGATGGAGGTCG	GAGTCATGGTTTTGGTGC	N/A
DC30165	TATATTCGGCCAATGTGC	GTTGGTCGATTCTTTCCC	N/A
DC30166	ATCACCCTCTCATCCCTC	TTGCTTATTCTTGTGGTTGA	N/A
DC30167	ATGATGAAGCCCACCTTC	CATTGCGATTATCTCCCA	N/A
DC30169	CAGGTTGAACACGCTGAC	CCGATTCTCATCTCCCTT	N/A
DC30170	TCAAAATTTCCCCTTTCC	TACCATGGTTGGTTGGAG	N/A
DC30173	TCCTATCATAAGGCTGCG	CCAACCAACATCGGACT	N/A
DC30174	GTGCCTCCTCGACCTACT	CGAGATCGGGATAAGGAC	N/A
DC30175	GGGAATTTGAGGGTTCAG	CAAATCGATCTTGCATCC	N/A
DC30176	TCCCACCTTCTTCTTTCC	GGGCAAAAATAGTCGTGA	N/A
DC30178	ATGGCAAGGAAAAAGGTC	TCGGATACCACTTGTTGG	N/A
DC30181	GCTGAGCTTTGTCACGTT	AATTCCGGGTTACTAGCG	N/A
DC30182	GAAGGAATTGGTTTTGGG	TTTAGCAAAATTCGGCAC	N/A
DC30183	CTTTGGCGATCATTTCAG	CATGGCGAGTTTTATCCA	N/A
DC30184	ATTTCCTTCGAAAGCCAC	TCGAGGCTGAGAGAGTTG	N/A
DC30185	CACTTTCCTTCCATGTCG	CAAACACTCCACGTTTCC	N/A
DC30187	ACTCTTCCCTTGCTTGCT	CCACCCAATATGCAGAAC	N/A
DC30188	ACTGCTTGCTTTCACC	GGTTTGTTTCAAGCATGG	N/A
DC30189	TTTCCTCTTTCCCCTTTG	AAAGAATGGGAGGATTCG	N/A
DC30190	CGAAGATTTGCTGGTGAC	ATGATGATAGGCGTGAGG	N/A
DC30193	TCTTGCACATTTTCAGCA	GATTTGGAAGTGGCATTG	N/A
DC30194	AAGCATTTACAACCGCCT	GGGTAAAATTAGGCGAGG	N/A
DC30196	CTCCCGACACAAAAGATG	TCCAGGACCACTGAGATG	N/A
DC30198	TCCATTTCTGTTTAGGCG	GGAAAGGGAAGCAATGAT	N/A
DC30199	ATCGTAGCTGTTCACTT	CCCATGAAAATATCGTCG	N/A
DC30202	AGCCCCCAAACACTATTC	CTGTGCCGTAGGAGTGTC	N/A
DC30203	TTATCTCCCACGAGACGA	TGATCAGGGTATTCACGG	N/A
DC30204	TCTCCTTCTCATCAGGCA	GAAGGAGGTGGTTAGCGT	N/A
DC30205	GTGCACACGGTTCTTTTC	TTACCAAAATGCAAAGCC	N/A
DC30206	CCCTNTTTAGCAACTG	AGGGTGATCGTGTCGTC	N/A
DC30209	TTGGGTTTGCAACATTCT	CCTCCCCAAGAAAACCTA	MONCS1549
DC30210	TTCCATTTTCCCACATTG	AGCAGCTTCCATTGTTGA	MONCS1550
DC30212	GGAGGAGCTAAACCAAGC	CCCCTAAACGCTTTCATT	MONCS1551
DC30213	TCCTCTTCTGGGTCCTTC	CTGAATCCGAATTCCCTT	MONCS1552
DC30216	CAAGAACCACCACATTTTG	CGAAGCTAGGCATTGAAA	MONCS1553
DC30218	TGTGCTTAGGCCGATTAC	TCGTTCCTCCAGTCAAAA	MONCS1554

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC30219	CCGAATACTTCCTTCTT	TGAGAAGCGATCAGCCTA	MONCS1555
DC30220	TGAACCCTGTCTTTGTCG	TCAGCCTACACCCAACAC	MONCS1556
DC30221	TCTGCATTTCCTTACCCA	AGTCGATATTCGGCCAAC	MONCS1557
DC30223	GTCGACGTTCAAAGGATG	TTGGACCTCTTTCTGCAA	MONCS1558
DC30225	TGGAAGTGGTTAATGGACA	CTTCAAGAATTCCCGGTT	MONCS1559
DC30227	GATTGCATGCTTATTCCG	TGACTCGAGCTCCAACAT	MONCS1560
DC30228	CATAATCATCACGCCTGC	TTTGGGTTGGTTCCATAG	MONCS1561
DC30230	CTGTCGATTTCTCCCCTT	CACCATGTGGGGAGACTA	MONCS1562
DC30231	ACTTGCCTGAACACTCCA	CAGATTATATTCAATGCGTCA	MONCS1563
DC30232	CCTTGAGCATGAGAGTGG	TTCTCAAGTCACGGCAAT	MONCS1564
DC30234	ATGCAAATTCGGTCATTG	CCCCAAAAAGAAACACCT	MONCS1565
DC30235	TGGGTTGGCTATCGTCTA	TGATGACAAACACCGTCA	MONCS1566
DC30236	CCCTTCTGTAGCCAAACA	ACCAACTGATTCCTTGCC	MONCS1567
DC30237	TGCTGGATTGGTAGGAAA	TCCGATTTTTAGTTGGCA	MONCS1568
DC30240	TCAGTTGAGGACGCACTT	CCACACTGACCAAAGCTC	MONCS1569
DC40001	GCGAGTCACATTTTGGTC	TGTGCCGAAATCTAAATAAA	MONCS1570
DC40004	CCATTATTTTGTGCAGCC	AGCCAAGCCTTCGTTACT	MONCS1571
DC40005	CAAATGGGTAAATAATAATAATG	TTAGTCCCGCGTAAAGTG	MONCS1572
DC40011	AGCCAAAATCATCAACCA	AATAGCCATGAGAGTTGGC	MONCS1573
DC40012	CCCAAAAACCCTAAGCAT	TGTGATGAAGATGGGAGG	MONCS1574
DC40013	AATGGCACTAAGTGTGCG	AAGGAATGCTCCTTATTTCA	MONCS1575
DC40014	TGCTATTAAAGACCAAGCTAAA	CACGACATTTTGGGAGAG	MONCS1576
DC40016	ATGTGGTGTTTTGGTTGC	CCCATAGGGTCAACTGTG	MONCS1577
DC40020	GTGAGTTGGAACCAGCAG	CCAATTTGCACACCTTTC	MONCS1578
DC40021	CACCTACCAAACCACCAA	ACGATTATGGGTTAGGGG	MONCS1579
DC40024	ACATAGGTAAATAAACGTATAAACT	CATGTTTTGACACAGCCC	MONCS1580
DC40025	AATTCACTTCCCGCTTTC	AACTCCGAAGAGAATTCCA	MONCS1581
DC40028	AGAAGCAAAATTTCCCTGA	CTACCGCCACTTTGACAG	MONCS1582
DC40029	TGACTTCTACTGACCTGCG	GAATTGTTATTTGAAAAATTGGA	MONCS1583
DC40030	AGTCACCTCCCCTTTGAC	CTTCGGAACCACTAACCC	MONCS1584
DC40032	AAAGAATGCATGCCAAAG	TCAGAGAAATTCGGTCTCC	MONCS1585
DC40033	CCTAATGAACACAACGGC	CCATTACCCCACCATTG	MONCS1586
DC40034	AAAGACTATAAAAGGTATGCAGAAG	GTCATGAATTTTCGCGTC	MONCS1587
DC40036	GGTTTAATTGCAAGGGGT	CGGAACAAAGTTACGAGG	MONCS1588
DC40037	GAGTTGCTCGAGACTTGC	GTCAAGGGCATTACATGG	MONCS1589
DC40038	AGATAAAATGTGAGTATTTATGTGT	GTCCACCCCCTTTTAGTG	MONCS1590
DC40039	CCATTCCATCATCATCGT	GGATGAAACATACTAATGGC	MONCS1591
DC40041	TTTGTGGTGTATCTCTGGTG	GTCACCTGCAAGAAATGG	MONCS1592
DC40044	AACACTCGATATACCCACAT	TATTGTTTGGGAGATGCG	MONCS1593
DC40046	TTCAAAGGCAAAAACAGC	TTCGAACCTCACGCTTAG	MONCS1594
DC40049	GAACAGTTTGGTGGGTCA	TCAAACCACATTAACGCA	MONCS1595
DC40050	ACATGAAAGGCACCAGTC	GTTGGATGAGTCGCTTTG	MONCS1596
DC40052	CATGCAGCCTACTATGCC	TAACGCCCAACATTATCC	MONCS1597
DC40055	ACATCTGTATCAAACATAAATTC	GAGTGTCAATGGCAAAGG	MONCS1598
DC40058	TGGCAATTAATGGAGTCTG	CCCGTGCTTATTATCGTG	MONCS1599
DC40059	CACAATCTTTCATGTTCACAA	CTGAAGGAACTATTGCGG	MONCS1600
DC40062	TTTGCATGTTAGCCACG	ACTTGCTGGTTCCTCTCC	MONCS1601
DC40064	CCCACCCCTCTGAATTAC	TTTATAAATAGTTACCCCACG	MONCS1602

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC40065	TGAAGCAAATGCTCTTCC	AGCCGGTGATCTTAGTGC	MONCS1603
DC40066	TGCTCTGAATCAGTGGCT	TCCATCCTAACACACCGT	MONCS1604
DC40067	TCGCGTTCTAAGGTGTGT	CCAAAAACCATCAAAAATCT	MONCS1605
DC40069	TTGCACCTTTTCAAATCC	CCGAGAGTTTGATTGACG	MONCS1606
DC40070	TCGGTTTTCTTTGCTTTG	ACTGAAAGGAGCACCACA	MONCS1607
DC40071	CCGATCTCTTCTCACAGG	AAACCTTCTCAAATGGGC	MONCS1608
DC40075	CATTCTTCGCTCTTCTCG	AGGGTAAATTTGCAGGGA	MONCS1609
DC40076	GGAACATGGTATTTTCCCT	CCCAAGGAAATCAAAGGT	MONCS1610
DC40077	TGTTCTCACCGAACAGGT	AATATGTGTTTGTGTTTGTGC	MONCS1611
DC40078	CCGAATTCAACAAGCTCT	ACCTTTGTGATTTTTAGCGA	MONCS1612
DC40079	TTCCCCACCCTTGTTAAT	GAGTTTCCGCCTTTTCTG	MONCS1613
DC40080	GGTCCATAAGTTTGCAGTG	TTTGCAAGCATCCTAAGC	MONCS1614
DC40081	TGGTTGTTTCAATAACATCG	AAACACATGGGACGAATG	MONCS1615
DC40082	TTCAACAATAGAGAGAGCGA	TGTCATCCCCTACGTGTC	MONCS1616
DC40083	TTTCAATGGCTCTGAAGC	CGCCCTTTTGTGATTAGA	MONCS1617
DC40085	TTACTGCGAACCTTCCTG	CATCGGGAAGAAGAAGC	MONCS1618
DC40086	AGGCTCCAGCTTATTGCT	CAATCTCCTTCCATCGTG	MONCS1619
DC40087	TCTCCAACCTTAAATCACTTG	AGCTTTCAACAAACTGGTG	MONCS1620
DC40089	GTTTTTGCTTTGACCGAA	CCTATCAACACTCGACCG	MONCS1621
DC40090	TGAGCCAAACCCTAGTGA	CTCTTCCACCTCCGATCT	MONCS1622
DC40094	CCTTAAACAAATACCCAAGGT	TAGCTTCCATTTTCCGAG	MONCS1623
DC40095	TTGAATGGACCCTCAATG	AGGCGTGTCCTTTGGA	MONCS1624
DC40096	GTTCAGCACACTTCCAGG	CTTGACTGATAAGCGGGA	MONCS1625
DC40097	TTTGTATTACATCACATCGCA	CTTGGCACAAAAGTCAGG	MONCS1626
DC40098	CTCTCACGACACCGACAC	CGAAACAAGATAATTCGGC	MONCS1627
DC40099	TCTCACGGTACACGTCCT	AATTCCCCTGAAAAGGTG	MONCS1628
DC40100	CTGCTGCAGGTCTGAGTT	TTGTTATTCCTGCACCTGA	MONCS1629
DC40101	CCCGTACTTCTTTCTCCC	CAGAAAGGTGACGTCTGG	MONCS1630
DC40102	CCAGAATCCAATGCACAC	AGAATGGCATAAGAGCGA	MONCS1631
DC40103	ATAAACCCGAAGGAACCA	AACCTCTACCCGCCTAGT	MONCS1632
DC40104	TAAGCCCCCTAATTCCAC	TGCAGGAAGACTAATGGC	MONCS1633
DC40105	TCCAAAGCCAAAAGAGTG	GTATCCCGATCTCCGTCT	MONCS1634
DC40107	TCCAGTTCATCCTCAACC	AGAAAGAATGAAGTTTTCTTGG	MONCS1635
DC40108	AGGAGCGACAGTGTGATG	ATTTCAGATGTGCCCAAA	MONCS1636
DC40111	AAAATTGTTGCACGCTGT	GAAGCGGAACATAGCAGA	MONCS1637
DC40113	AACCAAAGCTAACAGCGA	AAATTCAAAAACTGGGGG	MONCS1638
DC40114	AGTGGAGTTGAAATGCGA	CCCTTGTTTTTCCCGTAT	MONCS1639
DC40115	GAAGACAAAGCTCTGCGA	CCCTCTAATTACGCTCCC	MONCS1640
DC40116	CTGTCGGGAACATGTGAG	CGTGTGGAATCTTCAAGG	MONCS1641
DC40117	ACAAAGAACCAACCGCC	TCGAATAGCGTTTTCTGC	MONCS1642
DC40119	CAGCACTCTTTCCCCTTC	AAAAATGCGAGACATGGT	MONCS1643
DC40120	AAAGGGGCACTACTTGCT	GGTCGCAAGTGTTGGTAG	MONCS1644
DC40121	TGGATCCACTCAACCTCA	TTTTTATGGTTTTGAAAGAGC	MONCS1645
DC40122	GAAACACCCAAAACGTCA	GGTTTTCCCTCAGATTGG	MONCS1646
DC40123	AATCGAAGCAAAGCAGTG	AAACCCATCCTTGTCCAT	MONCS1647
DC40124	TCCCAACCTTTGCTATTCT	AAGAACAGTGGGGGAAAG	MONCS1648
DC40125	TTCTTAATTCGGGCATTG	GCAGTAAAGCAGAGCAGC	MONCS1649
DC40126	TTTGCAAGTTGATCCCTG	TTAACGAGGTTCAGCCAA	MONCS1650

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC40127	GCGCATGAAGTATATCCAA	TACACAAGGGATTGACGG	MONCS1651
DC40128	CCGAATACTTTCCTTTCTCTC	CCCTAGCAATTGTCAGCA	MONCS1652
DC40129	AAGGGATAAGACCCTCCA	AATGACGTGCTGGACTTG	MONCS1653
DC40130	TAACCATCCGAAACCAGA	CCAGATTCCATGACCAAA	MONCS1654
DC40132	TCTACTTTTTGTTGGCCG	TGGTATGGTTCGGTATGG	MONCS1655
DC40133	TCAAACACCTTGGGAAGA	GTTTCAAAAGCAAGGGCT	MONCS1656
DC40134	CTTCGAAACTGGACGAGA	GCAGCTATACCTTGACACG	MONCS1657
DC40138	AATTTCTCTTTATTTTATGATTTGC	TTTAGCAAAGGGCTACCA	MONCS1658
DC40139	TTGGTAACTGCAAGACCG	GAACTTGAAGCCAACGAG	MONCS1659
DC40140	TTTGCCTTCATGCTCCTAC	CAATCCATAGGCATGTGT	MONCS1660
DC40143	TCATTGATCAAGGCTGCT	GGCTGCAATTTTTAGCAA	MONCS1661
DC40145	ATAACCCTCCCCTAACCC	GGATGGACAAACGCAGTA	MONCS1662
DC40146	TAATGTGTGTTGCATGGG	GCATGCCTTGAGACGTAG	MONCS1663
DC40148	ACCAGATTTCAGTAAGCTATTA	TTTGCAACAGATTGACGA	MONCS1664
DC40149	TGTCTTAAAAGCCCACCA	CAGGGGTCTCCTCCATAG	MONCS1665
DC40150	AAAGGCTGGGAGTGAGTC	TTTCCCAACAAGCCTCTA	MONCS1666
DC40151	TTTGTTTTCGATTTTGGC	ACACCACAACAACAAGGG	MONCS1667
DC40152	CTGAAAAAGAGAGAAAGAGGTG	AATTTTTGCCCTCAGCTT	MONCS1668
DC40161	CGTCATGAGTGGTGGACT	TTTCTAACTGAGTCCTAATAAAAAC	MONCS1669
DC40162	AAAACCTACCCATCCAGC	TCGAGGTCATATATGGTGTG	MONCS1670
DC40166	CTTGTCTTCTGTCATACTCTCCT	TTTACCCCATGCATTTGA	MONCS1671
DC40168	TCGAACCAATTTCTCAGC	TCCGTTAGAAGTGCAAGG	MONCS1672
DC40173	CCTTTCAGAGGGCAAAGT	GTAAGTCGTGTCCGCATC	MONCS1673
DC40174	CGTGGTGGTTTTCACATT	AATGTGCCGAGTTGACAG	MONCS1674
DC40175	TTGCTCAGGTTTTGATGTC	AGGTGATGACCATCGGTA	MONCS1675
DC40177	GGACACACGACTGGAACA	CATTGATTTGGTTGTGGC	MONCS1676
DC40181	TTGTACCGATAAGTTGCAGTT	GTGGTCCTAAGCCATCAA	MONCS1677
DC40182	AAAATACTAAAGTCGATAGAATTGC	ACCGTTCCAAATAGGGTC	MONCS1678
DC40183	CCAAGTTGGAGTTTGGTTAG	CACTGAGTGGGCACAAAC	MONCS1679
DC40185	TCAAATGGTAGAAATGGCA	CCAAAGATTGAAGTAACCCA	MONCS1680
DC40186	TGGCAAAGGATGATAATGA	GCCGAATCAAGATACGAT	MONCS1681
DC40187	ATGTCATGAAGATGAGGCTT	CAACATGGCACATTTGAA	MONCS1682
DC40188	CCTTAAATGCCGAATTCAT	AGCCGATCTCAGTGTCTG	MONCS1683
DC40191	CAGAAGATCGGATCAGCA	CCACTTGCATACAACATTGA	MONCS1684
DC40194	TCGGCGATTTTGAGTTAG	CAGGGCGTTACAATTCAC	MONCS1685
DC40196	ACCATGGGTGTTTTGACA	ACTGCATGTTCATCTTGGA	MONCS1686
DC40197	ATCAAGGAGAGTGCGATG	TGAAAATTTGCTGATCATTT	MONCS1687
DC40200	AGGAGTGGGTGAGAGGAC	CCAGCAAAGAAAAACACC	MONCS1688
DC40201	GGGAAGACAGAGGAATTTG	CGGTATTCACCGTGATGT	MONCS1689
DC40202	GCCTTCTCCTCTGCTTCT	TTCACCTGCTCAGCCTAC	MONCS1690
DC40205	AATGCTGGCAGGAAGTC	TGTGCATGTTTGTCCACT	MONCS1691
DC40208	CGCAGATGACTGAGGTTC	TTCGGGGTGTTACATTTG	MONCS1692
DC40209	TCATGAGCACCCTATGCT	GGTAGGCAGTGGTCCTATG	MONCS1693
DC40212	ACATGGGCGTGTAGACC	AGTTTCCAGATAGTCACACACA	MONCS1694
DC40217	GCAGCATCTTTTTAGCCA	CAAGTTGCAAGTGTGCTG	MONCS1695
DC40220	CCTATGGCATGCGAACTA	AGTAACTCGAGAATTATGGTTTG	MONCS1696
DC40221	AACATGCATGAACAAAGACA	TTTAATTCCAATTCGGTCC	MONCS1697
DC40222	TTTACCAAACATCTGCGG	CGCTCAATGAGAAAATGG	MONCS1698

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC40223	CTGCGACCATATAATGCC	CGTTCCATCCTCAGACAG	MONCS1699
DC40225	TTATGCTAAAACGCAGCC	GAAAACTTCGCACTCTCG	MONCS1700
DC40226	TCAAAATCCAAGTCGTCC	TGACGTGTTACAACGCAG	MONCS1701
DC40227	ACGTCTACTCTTCTCATGGTTC	CACAGAAAGAGCCTGTGG	MONCS1702
DC40229	ACTTTTTCCAATTTGATCTCTC	CGTGTTCAAGTGTGCTGA	MONCS1703
DC40230	GTGACTGGCATAACTCGG	TCTATTGAAGTTGATGCGG	MONCS1704
DC40231	AAGGGATGGAAACTCGAC	TATCTCCGGACTTGCTGA	MONCS1705
DC40232	GACACTTCAATTGCCTTGTTA	GGTCTTATCATCCCCCTG	MONCS1706
DC40233	TTACCCCCAAAGTTACACC	AAATTAGGTGACGTGGCA	MONCS1707
DC40234	GAATCAATAATGAACGGCA	CACCGTCCCACTATCTGT	MONCS1708
DC40235	ACACACCCACCAAAACTG	CAAGAAGAATCGACATCCA	MONCS1709
DC40236	GTTGGGGAACATATATAAGCA	AGTTTTCACCATTCTGGC	MONCS1710
DC40237	AACTGCATCACAGTCGCT	CCCGACTAAAAATTATAGAAAAA	MONCS1711
DC40238	ACCTTCACTCTCTTTGATACTAATG	CGCACCTCAAATCGATAG	MONCS1712
DC40240	GCTTACTTTTATTCTTGTTGCAT	AAAACGAAATTTGAATCCG	MONCS1713
DC40241	AATCCTCAAGAGAACCCG	CCTGACATTCTTTATTATTATTGTT	MONCS1714
DC40242	ACCGCCTACTATTCCTGG	CTTACAGGCAGCTTTCCA	MONCS1715
DC40243	CTTTAATTTCATCCCGCA	AAAGCAAGCCAAATAAGAAA	MONCS1716
DC40246	TCAATCCATCTCCTTTGC	AGAGGGTAAGGTGGTTGC	MONCS1717
DC40247	GCCAATCCCTACTATTGC	CTTTTTCGAAGCAGGGAC	MONCS1718
DC40248	TTTTACTTTCTTCATTTTTCTGG	TAGATGCCACTGTCCGTT	MONCS1719
DC40250	TAAGCCCAGAGAGCAATG	CAACTTGTTTTTGGGTGC	MONCS1720
DC40252	TCGAGTAAACTAGAGAATTACGG	TCCATATCAATCCACATGC	MONCS1721
DC40253	CTGGGTCCAACAAGTTCA	ATGTTGTGTTTGGTTGCC	MONCS1722
DC40254	CGAGGTACGGTCACTACG	ATGCGGATACCACATGAC	MONCS1723
DC40255	ATTTTGTTTTCCTTCGCC	ACAAAATAGAAAAACATCGACA	MONCS1724
DC40258	GAGAGTGTGACAAGTGTTGC	CCAAAATTAGCCTACAGATAA	MONCS1725
DC40259	GGGATAGTGGAAGGGTTG	AATCAAGGTCCTTCGAGC	MONCS1726
DC40260	AAGGAACATTCCATGCCT	TGCAAATAATCTTGATGTTCT	MONCS1727
DC40261	TTCATCTTCAACTCTCCACC	AAAAATCTTTCAAGCCCG	MONCS1728
DC40265	ATTGAAGCACATTAGGGAAA	CAAGATCAAACATCATGCAA	MONCS1729
DC40266	GGGATGTTGAATGTTGTGA	AAATTCGTATAACACTTGCTGT	MONCS1730
DC40269	AACCCCAGGAGATATGGA	TGAATTGCACCTTTCCAG	MONCS1731
DC40270	AAGTTGATGAGGTCGCAA	CCTCTTTGCCTTTCTATTATGT	MONCS1732
DC40271	CACCACACCCCTCTTACA	ACGTTTTCTCGGTAACCA	MONCS1733
DC40272	TCCATGGAAACAATTTGC	AGCAAAGACTGGCAACTG	MONCS1734
DC40273	ATTGGCTGCTCATTTGAA	GTGAAATCGGAAAGGGAT	MONCS1735
DC40274	AAAAATCCCTGCTTTGCT	CCGTGTATATGTCTCCCG	MONCS1736
DC40275	TCTCGTTTTTACCGTTGG	TTTACCCATCGAGTGACG	MONCS1737
DC40276	AGGATAGGTTGTCTCGCC	CACCCAAGCAAGTTTACG	MONCS1738
DC40277	GCAGAGAAAGTTTGACGC	CCAAGGTATGTGAAACGC	MONCS1739
DC40279	AAATTCAGAGCAAATGCG	AAACAAGAAGAAGGCGGT	MONCS1740
DC40281	TCCATTGAATCCTTGTGG	TTCAACCAGTCAACCGTC	MONCS1741
DC40282	GGTCGAGAAGAAACCGAT	CCCCGTCTCTCAAATTCT	MONCS1742
DC40283	AAGACAACACATGGCACC	TCACAATGGTGGCTAAGG	MONCS1743
DC40284	CCGAAACTTTGTTCCTCA	CTAAATCCACACCACCCA	MONCS1744
DC40285	AAAAAGGGAGGAAGGACA	TGTCTTGCATTGGAGGAT	MONCS1745
DC40286	AAGTCTGGACCAATATGGC	AGGTTGGTGTTGGGTTTC	MONCS1746

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC40287	GGACCACCCTTTAGCAGT	ACTATGAAGCGGTCGTTG	MONCS1747
DC40289	GGGGTCTCTCTGGCTG	CAAGAAGCGAATCTGGTG	MONCS1748
DC40290	TCAAATATCAACCCACGG	TTGGAATTGCGGGTAATA	MONCS1749
DC40292	AACACAGAGCGTCAGACC	AAGTTAGAGAGTATTAGGGGG	MONCS1750
DC40293	ACCACCACCAGCACTGT	GGTTAAGAAATCGGCTCC	MONCS1751
DC40295	TCGGAACTCTTCCTGAAA	TGATTCCTCAGTATGCCC	MONCS1752
DC40297	AGGACACATCTATTCCTCTAGTC	ACTTGCAGCACTGAGACAG	MONCS1753
DC40298	CATAGATCAATGAAGCCCC	ATGAAGCAGCGACAAGAG	MONCS1754
DC40299	TTGCCTTTGGATACGATG	GGAAGCATTTGGAGGATT	MONCS1755
DC40300	GGCATCACCATCCTTCTT	GCCTCGTCAACAAATCAG	MONCS1756
DC40301	TGATTTCGTGATTTGTTTCTC	GCCTTCCCTTTCATTTGT	MONCS1757
DC40302	GCCAATTGAGGAAGTTGA	CCCTATTTTGGGGTGTTAC	MONCS1758
DC40303	TTCGTTTATTTCTGAACCG	TATCGAAAACGGTGGATG	MONCS1759
DC40304	CAGCCTTTTAAGAGCACG	TTCCACCGATAGAGACGA	MONCS1760
DC40307	TTATTCTTTCCCGGTTCC	CAGGGGCTTTGAAAACA	MONCS1761
DC40308	CAAAAATTACGGTGGCTG	AAGGCAAGTGGAAGTCCT	MONCS1762
DC40310	CTTCTCGCCGGTATCTCT	CCTATGGGTTTTCGTTCC	MONCS1763
DC40311	CGGCTGTTTTAACAATAAGG	GATGGTTACACCAACCGA	MONCS1764
DC40312	TCTGCCAGAAATGAGTTGA	CCCTTGGCTCCTCTTTTA	MONCS1765
DC40313	TTCAAGGTGGGTTGAATG	CCGCAATAAGTTCACCAC	MONCS1766
DC40314	ACTCCATCACCATCCTCC	CGAAAATGGAAAAAGGGT	MONCS1767
DC40316	TAGCGGTGGAAGTAGTGG	GCTATTTGCTAATGCTACCC	MONCS1768
DC40319	CTGAAGCTGAGGCAAATG	CTGTAACATGACACAATGGG	MONCS1769
DC40320	CCCAGCCTTTTCTTTCTC	ATGAACAGGGAGTGACGA	MONCS1770
DC40322	TTCCTTTGTTCTGTCGCT	ATGGCGACGACAGTATG	MONCS1771
DC40323	TGACCATATTCTCTCCCTCT	CCTAGCAAATCGGCAGTA	MONCS1772
DC40324	TCTCCCCTTCTATTCTCCA	AGGGAAAACAGGCTGAAC	MONCS1773
DC40327	AACAAACTCCCCTTCTCC	CAAGAATGAGTGGATGTCG	MONCS1774
DC40328	TTGGTTTAGTCGGCTACTG	CCAAAATACGACGGCTAAC	MONCS1775
DC40330	TCCAAAACACTCCTACGC	GACAAGCTCACCTGATCG	MONCS1776
DC40331	TCTTGCATTGCTAAAGCC	CGGCAGAGAAAAGAATTG	MONCS1777
DC40332	TTTGCAACCCAAAGAAGA	CTTTGTATATGAGAAGTCAGCG	MONCS1778
DC40334	AGGGAAAAATGTTCAGCA	CTACACACGTGACGAGGC	MONCS1779
DC40335	TTTTATGGCAATCGGCTA	GTATCTCAAAAAGCCGCA	MONCS1780
DC40337	TGCAGGAAACTGCGTTAT	ACTTTGTAATTGCGGACG	MONCS1781
DC40338	AGCCGCAAGATAGTGATG	TCTCAAAATTGGGCAGAG	MONCS1782
DC40340	GCATGATATTCACCCGAG	ACCCCACTAGTAGTTCAAGA	MONCS1783
DC40341	CAACAAATACTCGGTCGG	TGCTCACGAGGAACGTAT	MONCS1784
DC40346	TGAGAGCTGTTGGGAGAC	ATTGCATGCCCTCTTACA	MONCS1785
DC40359	ACATCCACCCTGATAACG	GCTCAGCATTGGTTCTTG	MONCS1786
DC40360	AAGGGGTTTATGTTCAGGA	ACCTGCAATGAGTCCGTA	MONCS1787
DC40361	GATGATTGCATAGCCACC	AAATTACCGGGGAATCAG	MONCS1788
DC40362	CAGACTCTTTCAAGAATTTCC	ACTGCCAGCAACAGCTAC	MONCS1789
DC40364	TTGCTGCTCTCGAAACTC	ACCTGAGACTCGGCTTCT	MONCS1790
DC40366	GAGCACTACGAGCGTCAC	CTGCTTTGAGGCCACTTA	MONCS1791
DC40367	AAATTGAACCATGGCAGA	GACCTTGGCTTGATGATG	MONCS1792
DC40373	CTTCAATGGTGCTCTTCG	CTCAACGGCATCGTAGTC	MONCS1793
DC40375	TTGATGATGCTGAGGGTC	AAACCCTGTTTGAGAGGC	MONCS1794

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DC40376	CTCTGTTTTCATGCCCTG	TTCACGGACTTCTGTGCT	MONCS1795
DC40378	GTCCCCAAATGGATTCTC	CCGATGAAAACAATCCTG	MONCS1796
DC40380	TGAAACCACTCAGATGGG	TCTTTTCACCAGATCCGA	MONCS1797
DC40381	GTGGCCAGCTCACATTAG	TGTTAAGGCCAAGATCCA	MONCS1798
DC40385	ATGGTTGTGGTACGATGG	GCATACAAATGGCTCCAG	MONCS1799
DC40387	CGTCATCCCAAAGATTCA	CAGCGAAGAACGTCTTGT	MONCS1800
DC40389	GACGTTGGTTGAATTGGA	GGTCGCAGTAGTGGTGAG	MONCS1801
DC40392	CAATAGCAATTGGCATCC	TTTTGCTTTGGCTGGTAG	MONCS1802
DC40394	AGCAGATGTGGGATGCTA	TCCTGAATTGAGGTCGAA	MONCS1803
DC40395	CTTGGTTCGACATTCAGG	ACTAGCCAAGGTCAAGGC	MONCS1804
DC40396	CCATGTGCGGAATGTAAT	TGTAATGGTAAATCAGAAGTTT	MONCS1805
DC40397	GCCACATGCAGAGCATAC	ATGTCACACATTCGGACC	MONCS1806
DC40401	GCTCGATCTTTCCCACTT	GGAATTAGTCCCCCAGAA	MONCS1807
DC40402	AGAAGGTAACAAATAAACAAATGA	TACAAATTGCACCCCAAC	MONCS1808
DC40404	ACTTGTTCAACATGAATTGTG	TTGGCGTGAGGATGTTAT	MONCS1809
DC40405	TGGCAAGACGAACTAAGC	ACCAGTGATGGGGAATA	MONCS1810
DC40406	AATGTTTTGTGTAGTTATTGTTTT	TTACGATCGAAGAGGACG	MONCS1811
DC40407	GGAATTAGTCCCCCAGAA	CCTTGGATCGAACAGTGA	MONCS1812
DC40409	AATTGAGGTTTGGCATTG	GGATAATTTACCCATATTAAAATCA	MONCS1813
DC40415	TTTTTAAATGAAAGCAAGACAA	CGATTATTTGGCTCCTTG	MONCS1814
DC40417	CGCTGTAACCACCTCATC	AGGGATACTAAATAATCAGAAAAA	MONCS1815
DC40425	TCCACCAACTGGTGTTTT	AGCATCAAACCCGAATCT	MONCS1816
DC40426	TTGGGGATTCACTATGTCA	TGACACATTTTTGGGCTT	MONCS1817
DC40427	GGCGTTTTGGATTCTGTA	TCTGTATGCATGGAGCCT	MONCS1818
DC40429	AGCTTAAAGGGTTCGGTT	CCAAGATACAACACCGGA	MONCS1819
DC40436	CCCTGTTACCACCAAGAC	AGAAAGACGATAAAATAAACATGA	MONCS1820
DC40441	GAAATCCTCAGACTGATCCA	TGGACTAGACCAGGAGCA	MONCS1821
DPL0001	ACGTAGTGCAGGTAATAGCAACAA	AGCAATAAAGGGAAAGAGGAAGAG	MONCS1822
DPL0003	ATACTGGAAGAGAGGACATCCAAG	GCAGTATGGGATTTGACTGAAAG	MONCS1823
DPL0004	TTAGCCTCTTCTGTCAAGTTAGGG	ATACTACTCCAGAAGGCATCCAAA	MONCS1824
DPL0005	ACGCACAACACTCTCCACTACAT	AACAAACTCCAGCACTTAAACTGAG	MONCS1825
DPL0006	CGATCTATCCAAGAAACTGCAAG	AGTATGTTTGATGCTCTCTGGAGG	N/A
DPL0007	CGTTTGGAAGAGAATTAAGCTCAC	GAGAGCATAAAGCAACAAGTAGCA	MONCS1826
DPL0010	CTGGTGACTGTGTCAATGGTTAAA	TAGGATTGGAGGAGAAACTGAAAG	N/A
DPL0011	TCTTTAAGGAGGAGTAGACGGTTG	TTCACTCACTACCCTAAGGAGATCA	N/A
DPL0013	TTAACTATCTCGTCGATAACGGCT	ATAAGCAGCCAAGAAATACCGA	MONCS1827
DPL0014	ACTTTGTGTGTCCTCCATGAAAGT	CCTTCGAAGATAGACTAAGGGACA	MONCS1828
DPL0016	CCTTCATTCTTATCCAGTACCACC	GTATGTGTTGGTCCTTGAGTTTCA	MONCS1829
DPL0017	ATACACTCCACATGCTAGGGAGAT	CTCATCAGCCAAACAGCTTTC	MONCS1830
DPL0018	TTAGAGTGAGGCAGAGAGTCATTG	ACCTATGAGAAGATGACACATGGC	MONCS1831
DPL0021	CTACTCTTATGGGACATTCAAATCG	AGCAACTAACATTACCTTCAGCAAC	MONCS1832
DPL0022	GGTGGGTTCTTCTGCAGGTATATT	CCCTTTCAATGCTAGAAAGAAGTTG	MONCS1833
DPL0023	TTTAAAGGGTATCGTAGGCTGCTA	CTGATTAAGGCCTAATTACTGCGA	N/A
DPL0024	AGTGCCTAGTAAAGCAGGATCTGA	GTGTCATGTGTGAGTAAGCATGG	N/A
DPL0027	ACACGTCACCCACACAACAC	TCGGGAATACTACGTACTGCTACA	N/A
DPL0028	TGCATGTTAACCACGTGTTAGTTC	ATCACTTGCTGATTCCTATCCAAC	MONCS1834
DPL0029	GAGGAATCAAAGTGATGATGAGGA	CCCTTCAGTTAGCAGTATCAAAGC	MONCS1835
DPL0031	AAGATAGAATGCTTAGGGCTAGGG	CTATCTCAACCAGAAACCATGACA	MONCS1836

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0032	GAGTGAAGCATGGTGCAATGTAT	CAACAGAGGTGAACTCATGAGAAA	MONCS1837
DPL0036	CTCTGCCCTAAAGACTAGCAGAAA	CGATTTGCTGAGCCTTTAATACTTC	MONCS1838
DPL0037	AAGACGTTACCCTTCGCCTATATT	ACAGCACCTACTATATGCTTCTGATG	MONCS1839
DPL0038	CCTGCACTTATAATAACCGCTTTC	TCACTTTCTTTCAACAGCTAGGGT	MONCS1840
DPL0040	GTTTAATCTAGACCTGCTGCCATT	CAATGGAGATAACATGTGTGGTG	N/A
DPL0041	GCATCATATCATGTCCCATTACAC	GGGAGAGAGTGTAGTATGTTTGGG	MONCS1841
DPL0042	AGGGAGTGAGGTGATTTGAACTAA	GGTTATCACTCTTTGATGCAATCC	MONCS1842
DPL0044	CAGCTTTACGGTTTGTACAAGGTT	CATCTATGGTGTTCACATTTCCC	MONCS1843
DPL0047	CAGTCACACATCTCACCATCTACA	GCCTTCACTTAATTTCAAGGCTTC	MONCS1844
DPL0048	CAAGGAAATCCTGATCAAGTGG	AGGAGATCATGGCCTTAAGATGT	MONCS1845
DPL0050	TTACTGAATCCTAGGCGAGATTGT	TTCTAGCCTCCACCTCGCT	MONCS1846
DPL0052	GCTTACGTGTATGATTAAATCGCC	CAGAGGACTTGTAAACAACACTGC	N/A
DPL0053	ACCGACATGAATTCACGAAAGA	CACTGTATCCTTTCCATTAACCGT	MONCS1847
DPL0054	AAGCTCACCGATGGAAGAATTA	CAAAGTTGAGTCTCTGGTTCTCCT	MONCS1848
DPL0056	ATGTAACATGCATAACTGTAGGCG	GGTGGTTTCATCACCTTATTCTTC	MONCS1849
DPL0057	AGTTGCACAGCTGTAAGGGTATTT	CCATTAATGCCTGCTACTCTTCTT	MONCS1850
DPL0059	CTCTTTCCAAGCAACTCAATCTCT	CTTCTCCAACATGATATTAGCAACC	MONCS1851
DPL0060	GGGAAGGAGTGTAGTTGAAGAGG	CAGGATTCTGATGGAGAACGTAAT	MONCS1852
DPL0061	AGGTTCTCATGTCAACAAAGACAGT	TCATTTCTGCAACTTGTACTCACC	MONCS1853
DPL0063	GTTCATACATATGGAGAGGCAGC	ATGCTTCTCACATGGCTACTCTTT	MONCS1854
DPL0064	GTAATTGCAGACACTCATCTTTCG	TCGTAAGCTAACATTCATGAGCAC	N/A
DPL0065	AGGGACAAAGTACACCAAGAAATG	ATGTTTATCGTGTGGTTGGAGG	N/A
DPL0066	ACACACTTCGAGGAAACAGGAAT	GAACCTTCACGTCTGTATCACTCA	MONCS1855
DPL0070	GTGCAAACAGGTCTTGATTCCTA	ATGTGGTCCAAGCATTAGAGAAAG	MONCS1856
DPL0072	GCTTATCGCAATAGTCGCAGTAAT	GCTTCCGGTTATGGACAAGTATT	N/A
DPL0074	GGAAGGGAGTCAAAGAGATTAACA	ACCTGTAGGATGGAACTCAAGAAA	MONCS1857
DPL0076	CTTCAACTAAACCAATTATACCGGG	TCCTTCACCCTACTTTCTCATTTC	N/A
DPL0077	TAAGTTGTAACAGAAGCAGCCTTG	GCATGGGAGTAGGGTAGGAAA	MONCS1858
DPL0078	TCATGCATTTGCATCTCATAGC	ATGTAAGGGAACGTCGTTAATTCC	N/A
DPL0082	ATATGGAGCCGGTGATACAGTAAG	CGGTTTCTTGGTAGAGAGTCAGTC	MONCS1859
DPL0083	GGTTATGTATCCAGCATGGGTTAG	CTTTGGTTCCCATAGCACTATTTC	MONCS1860
DPL0084	ATCGTTAAAGGGAGCGTTGTT	TGAAGAAGAGAAATCCGTGGATAG	MONCS1861
DPL0086	ACATTGCTTATCTGAGTAGCGTCA	AAACGTGTTCGTGTTGTGTCAT	MONCS1862
DPL0087	ACCAGCTACAAGCCTGAGTAGAAC	GGTTCTCCTTTAACACTTAAATCGC	MONCS1863
DPL0089	GTCAGCTCCCATCACCCTC	TGAATAAAGCATGTTGCCTACCTC	MONCS1864
DPL0090	CACCTACTGGTCCTACCACCTAAG	GTTGTTGTCGTCTTGCAGATTATG	MONCS1865
DPL0091	CAGTTACATCAACGGCAAGTACA	ATTCCTCAATGTGAACTGGACTG	MONCS1866
DPL0092	AGCTTATACGCCTCTAGCAATCAC	ACAAATCGCAGTGTCCCTAACT	MONCS1867
DPL0093	ATACAGCTCAACACCAGAATAGCA	TCTACACCTCTCCTTTACACCCAC	MONCS1868
DPL0095	ATTGATGACCTGTAGATGACGATG	GTTTGCTTGCAGTATAAGATGGTG	MONCS1869
DPL0097	ACTTTATGGAGTGCCGTATGGAG	GATGAAGATATAAGCAGCAGAGCA	MONCS1870
DPL0098	AGTGTCTCGCACCCAATTTGTA	ACAGGACCTAGGGACTACCCTGT	MONCS1871
DPL0103	TAACTGATGTCTGTACGGTTCCAC	GCCGAGAAAGTGATGCATTTAGTA	MONCS1872
DPL0106	CAGGGAGTTCCTCAGTCTACAAGT	TTCTACAGGGAAAGAAGAATCCTG	MONCS1873
DPL0107	TAAGCCCTAGATCCCATACTTGAG	AAACAGTGTTGTATGGTGGTTCAC	MONCS1874
DPL0108	CTCACACTTTCTCATTTGTTTACCG	ACAAGATAAACAAAGCCAGACCC	MONCS1875
DPL0109	AGGATAACGACGAAGTCGGAG	GTTGGAACTAACACAAGACAAACG	MONCS1876
DPL0110	ACCCTTTGCTTTGCTTTCTTCT	CTTTATGAGCAATTTGGTACCCTC	MONCS1877

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0111	CTTTCATAATACATACGCCTTGCC	TCACAGCATCCTATCAGGTATCAG	N/A
DPL0114	TCTGCCTGATCATGTGTAGAGTTT	CCACACAAGATTTCGAGTCAGATA	MONCS1878
DPL0115	TTGGTAGGTAAGTTTGGAGGACTG	GGAGCAGTACATGTTGCAGTAAAG	MONCS1879
DPL0116	CCGGTGTTATTTGAACTTGGAG	GCCTGACGTCTGACACAGC	MONCS1880
DPL0118	CTTGGGTTCAGAATGGAAGATAAG	CTAACCCAACTACCATCACAATCA	MONCS1881
DPL0120	CTGTCATCGACCTGTAACCCTCTA	CTGCAATCCTTACTCTTAACCTCG	MONCS1882
DPL0121	AGAATATGCTCGTCCAATAGGGTA	CTCTCTTATCAAATTAATCGGAGCC	MONCS1883
DPL0124	CCACCAGTCCACAACTACAAATAA	TAATAACCAGGAGCTTCCTCAGTC	N/A
DPL0125	AATGATCTGGAACCTAACAGCACT	AACGTTACACTGATTCCAGCG	MONCS1884
DPL0126	GATCATCTAAAGACTAGGTCTCCACAA	ATAATGTCGATCGTCGCTCTTC	MONCS1885
DPL0127	GAGTTGTAGGGAATGGAGGGAG	AAGGGAAATTCGTCTCCTTCAG	MONCS1886
DPL0130	AGAAGCTGAAACTGAAGCTGAAAC	CCACTGCACTTAAAGGTTCTTTCT	MONCS1887
DPL0131	ACATACGGGTTGAAATGTACTCCT	ATGAATGCAGATCATTACGCCT	MONCS1888
DPL0132	CTTCTATTGTATGTTATTGCTGCCC	GTCACATCAGATAAGCTCACCAAC	MONCS1889
DPL0133	CAGTTTCTCTACCGGTCTCAAATC	GGTATCACACCACATACTTTCACG	MONCS1890
DPL0134	AATTTATTGTAGTGTCCTGAGAGCG	TAGAGATGTCAGGCTCCTGTAGGT	N/A
DPL0137	GTTCCATCGTAATTTCTCATCCTC	AGTTGGCCTTGTTCTTGGTACTTA	MONCS1891
DPL0138	GATAGATTTGCACTTGAGAAGGGT	CATTAAATGAAGCAAGACGGAGAC	MONCS1892
DPL0142	CCACCTCCACCTATAAATAGCTCC	GCTACTACTCTAAGAGGCCTGCAA	MONCS1893
DPL0144	TAATCCGAACTGTAAGAGACACCC	CAGTTAGAATACGTTGCTGGTACG	MONCS1894
DPL0145	GATATACGGTCCAAGTCAGGAGAC	AGTCGGTGAAGTGAAGTGCATATT	N/A
DPL0148	CTATTCAGTCTTGGTTGTCTTGCTT	CGGTCTTCATCTTTCCACAAAT	MONCS1895
DPL0149	GACTCTTGCTGAGTTTGTACCTCC	CGTTGTACCTACGGATTTCATGT	MONCS1896
DPL0152	CAACTAACCACCATTGGTACAGAA	GCTCTTGAGAAGGAATTCAATGAC	MONCS1897
DPL0154	AGTTGTTTGGGTCCATCCTACTTA	GAAACGACTTATCACGAGTTATGCT	MONCS1898
DPL0155	CTGCTTCTTGTTCTCTGTTTGTTG	CGCGGAATCGTTAACTTCAGTA	MONCS1899
DPL0157	AGATGACGAGTCGTTGGAATTT	CCAAAGAAGTACTAAACTGCTCCG	MONCS1900
DPL0159	CAACCCAGAACTTACTCTGAACCT	GAGTCCTTGTTTCTCTTGGTTTGT	N/A
DPL0161	AGAACTGGAATGCCTGAGTCTAAC	GATGATGATACTGGCTACGATGAG	MONCS1901
DPL0162	TGTCTCTCTTAACTCACCATCATCA	ATCTACATCATCGATAACCCAACC	MONCS1902
DPL0164	AGTAATGGCTTGGCTAGTGGATAA	CGCCATTCTAGGATTCTATTTCCT	MONCS1903
DPL0165	CGTACTTTACCTGGCTATCCATTC	ATTCTTCGAGTCATATGAAGCAGC	MONCS1904
DPL0166	TGCTACTCTGTGTGCTTGGTTATT	TCACAGGCAAATCATGTCAAAG	MONCS1905
DPL0167	CTTGAAGGCAAGATCATCCTAGATA	TGACCACCAGTAACTATTTGAATCC	MONCS1906
DPL0170	AGCACAAGAAAGAAGGAAGGAAG	GCTCAAAGACCTGAGTTTGATTCT	MONCS1907
DPL0171	AGCGTCTCCTACAATCTCCATAAG	CGAGTTCTCTGTTCTGGGTTAGAA	MONCS1908
DPL0172	TAAGTCGTTAAAGCTCCGTTTGTC	CAGCGCTCACATGCAAACT	MONCS1909
DPL0173	ACACTACCAAACCAAGGGTAGAGA	AGACATGTCGGGACAAGCTAAC	MONCS1910
DPL0174	TTACACACCACCTCCCTTCG	ATCGGCATCATGTACACTTCTCT	N/A
DPL0179	GTCTTGGTGAGCAAAGATCGAG	AAGCATCTCTCCAACTAATGGGT	N/A
DPL0180	CCTAAGGCCTAAACTCAAACTTCA	ACACAGGCAAACACAAATGTCTAC	MONCS1911
DPL0182	TTTGAGTGGAGACTGAGAGCG	TGGCTTAGAGCTTTGAATTTGG	MONCS1912
DPL0184	TCAAACTCACAGAGGTTCACCTAA	ACCATCTTCATGCTATTCTGGAAC	MONCS1913
DPL0187	CCTACTGACCCATCCTCTTTCTT	GTTTGGGTGTTGAACCTTTGTT	MONCS1914
DPL0190	GGATGTATCTAAGGTTTGACTGGG	CCTGTCATTATGTCTACCAGGGA	MONCS1915
DPL0192	GGAAGAAAGACCAATACTGCTTGT	GTTCTACCGTCACTCACCAAACTT	MONCS1916
DPL0195	GCTGTCCTTATTGCCATGAAATC	GACCGGGTTTAGATAAAGACACC	MONCS1917
DPL0197	CACTTGTCACCTATGTTACCCAAA	CCATGGAAACAATTTGCTAGACC	MONCS1918

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0198	CAGACTCTTTATTCCAATGTTCAGG	TATATGTCCCGGTAGGCTACTTGA	MONCS1919
DPL0200	GCGTAGCTACTTGGAAAGATTCAG	TAGCGGAAGTGGTCATCTCTTATT	MONCS1920
DPL0201	ATATTAGAACAGCAGTTGTCGGCT	ATTGAACCGTTGTTCCTTTGAC	MONCS1921
DPL0203	TAAACCTCCTACCAAGACTTCGAC	GCAATATGCCAACATAGACAGAGA	MONCS1922
DPL0206	AGCAACTCTCAACTCTCATCTTCC	GGAGCCCTGAAATTGATCTAAAC	N/A
DPL0207	GCAGAACAATGAGGCAATTACTG	TGCTAAGTAGTGAGCATCACCAAG	MONCS1923
DPL0208	CTTATTGGGTTCTGCTAAGGTTGA	GGATTCTTACCTCAACATGGATTC	MONCS1924
DPL0210	GTATACCAACCAAGCACTCACCTT	CCAGCTGGAATTGATCTAGTTTG	N/A
DPL0211	AGTGAATTGAGAGGGCTTAACAAC	CAATACGGAGCTCCTTGAGATTAG	MONCS1925
DPL0214	CCCTCCATTGTACTGTACTTGATGT	AAACACCAGATATTAGTGGGTCGT	MONCS1926
DPL0217	TAGGGCACAGGGTGATGGT	TGAAATCCGCAAGTGTTTCAC	N/A
DPL0219	CTCAAATCAACATTAGGGACCATC	ACATTTGTGAACTGAAGGGTGAAG	MONCS1927
DPL0221	GAGATGCAGCTTGACTCTGAATTA	TGGTTATAATCATCCTATGTCGAGG	N/A
DPL0224	GAAACCAACCCTCAGGTACAATTA	CAGACCTAGAGACAAGGTATTGGAA	MONCS1928
DPL0226	TAACAGTGCTTCTCATGAGGTGTT	TCTCCTTCACCATCCAGGAC	MONCS1929
DPL0227	CTAGATGGCCTTTAACCCATTACA	GTGGAGTGTAGCGGTTGGTTATAG	MONCS1930
DPL0232	ATAGCCACTACCCATTTACCACAC	CACTGAGCATTTAAGCACTATGTTG	MONCS1931
DPL0233	GGGAAGCAAATGTTGAGACTGT	ACTCAACCGAGTTGGGATTATCTA	MONCS1932
DPL0235	GGTTTAAGGGTGTTACATGGAAAG	TAACCTCGAAAGAGGGTTGAGTAG	MONCS1933
DPL0236	ATTCGTTCTCCACTTCCTCTTCTT	GTTGAATGTTGTGTGTTTACCAGG	MONCS1934
DPL0237	GATCAGGATCAGACCCAACAAT	TACTGCAGAGTCATAAGCGTCACT	MONCS1935
DPL0240	ATAAACTTCACACCTCAACCAAGG	GTCTTTCTCCTTGTCACCTGTCTT	MONCS1936
DPL0243	CATGTCTGTCTTCTTACCCAAACA	TAACTGCAGATTCGTCGTCAATAC	N/A
DPL0244	GAGGTGGAAGTGGAGATAAAGATG	CATCTACATCATGAGACCGAATGT	N/A
DPL0245	TAACTCATCACCATAGTCACCACC	CTAGGTTGAATTTCCCTGACCTTT	N/A
DPL0246	ACATCAGAGGTTTCCTCATCGTAT	CTGAAAGACATGGAGAACAGAATG	MONCS1937
DPL0248	CTGAACTCGGGTCTTAAGAAGAAA	ATGGAAGCGATGGTTACATTTG	MONCS1938
DPL0250	CATAGGCATCTGAAAGTGAATGG	GGCTTAAACAAGTAAGCAATCACC	N/A
DPL0251	AGCCCTACATCACTGAGCAGACTA	AAGACATGAGCGATATTCTAACTCG	MONCS1939
DPL0252	CTGTTAGTCTCCGATGCCTCTATC	CAACAAGCTGCAACGTCTTAAA	MONCS1940
DPL0254	GGTCGGTTTGAAGAGGTTACTAGA	ACCATGATCCGTTAACTAGCCATA	N/A
DPL0256	TCAGAAAGGGTGTCAGTTTCAAGT	ACAAACCTGAAGGAACTGAAATCC	MONCS1941
DPL0257	TAGCATGTGTTAGAGGAAACACCA	CAACAAGGTCATGGGATATAGTGA	MONCS1942
DPL0258	GATGTTTGTCTTCTGGTCAATGGT	TAGAAGTAGCCTTGGGTGTTATCG	MONCS1943
DPL0259	TACTTCCCTGATGGACATTATTGG	GCTCAAACTGCAGAGTTCTTTCTT	MONCS1944
DPL0260	GGTTGGAGGTCTTCAAGTGATTTA	TTGAGACTGCTTAACAACTTAAGGG	N/A
DPL0261	CTTGTAGCATTACTTCCATTTGAGC	GCAGGAACCTACTACTGCACCTAA	MONCS1945
DPL0263	AGAATTAGCTGTTCATTCGGCTC	GTATTTCTCAACTCTTCCCTCCAA	MONCS1946
DPL0266	TCTTCTGGATCCATAGTCACCATC	GATGAGAAACTTTCAGTGCAAACC	MONCS1947
DPL0267	GTGACCAGAAATGAGTGGGTTAGT	ACAACAACTACAGCCTTTCTCAGC	N/A
DPL0268	CTGCAAAGAACATATGATGGAGAG	GAGTAAAGGTCATTTCATGTTGGC	MONCS1948
DPL0269	CTCAGTCAGGCAAATTTAGAAAGC	GACTCGTCACAGTAAACAGAATGG	MONCS1949
DPL0271	AACTGTAGTGATCTTGGTGCTCAA	TAGGCATTCTTATACCCTGCTTTC	MONCS1950
DPL0274	CTCCTCTGATTTCTCCATTGCTT	TACCCTTTCTTTGCTCTGCTTCT	MONCS1951
DPL0276	ATCGAAGGGACCGAGAGTATATTT	TAGAAGGCTGAATCGTCTAATCGT	N/A
DPL0277	CAATAGAGACGGTGATGATGTTGA	GTCAACATTAACCTCTGACGTGGT	MONCS1952
DPL0281	GGATACCGAAATCAAGACAACAAG	CTCAAGTCCGTCGAATTTAGTACC	N/A
DPL0282	GACTTCTTCCTCTGCTTTGAAATCT	GCAAACTAGTGGTGAGATCATACCTT	MONCS1953

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0284	TAATATCCAGTGAATCCTCCCTTG	TGATAGGTAATTGAGCCATGAGGT	MONCS1954
DPL0285	ATGATACCTCATCCAGTAGCCATC	AAACTCTTCTGGGTCATCTTCATC	MONCS1955
DPL0286	ACTTGAAGAGGGAGATGCTTACTG	CTGAAGGAGAAGAAGATGATGAAGA	MONCS1956
DPL0287	CATTTCATCCACAGCAGTAAACTC	CCTCTAACAATTTATCGTCCAAGC	MONCS1957
DPL0288	GTGGAATTGGTGGTGTTACTGTTA	CAGAAATAATGGAAGGAGAAAGGG	MONCS1958
DPL0289	AGCTCCTTGAGATTAGGATGGG	GAGATGTTTAGGGCTGCTAATTTGA	N/A
DPL0290	GATTACGTTGGAGATAAAGGTGGA	GTCGATTACGAAGAGGACTTTGTT	MONCS1959
DPL0291	CCTTGCAGAGTACAGATGAAGAGA	ACAGTACCCTCAGACTTCAGATCC	MONCS1960
DPL0293	GTTACTTTAGTTGGGTCGAGTGGA	TACTACTGCATCTCAAACCACTGC	N/A
DPL0294	ACTTAAGTCTTCAGCCACACATCA	TAAGGGTAAGGTGGATATGAAACG	MONCS1961
DPL0295	AAGAGGAAAGTGAGAGAAGGAAGAG	CCTCCAAAGTCCCAAACAATAA	N/A
DPL0296	GAACGGTGAGAAGAAAGAGTTCAG	ATTGTCTTTCCACAGTTTCTCTCC	N/A
DPL0297	GATTGTAGAGATGATGGCAATGG	GGATAGTGCAGTGGAGAGAAAGAT	MONCS1962
DPL0298	CTTCTGATCTTGATCTCAATGGTG	GTTTCATTTGTTCTGATGCCCT	N/A
DPL0301	AGCGACAGAAACAGGATTCACT	TAATACCCAGTGCGAAACAGACTA	MONCS1963
DPL0302	CGTCTCCATATCTTGGAAAGAAGT	ATTTATAACCTCAGCCAACTTCCC	MONCS1964
DPL0303	GAATTCAAGGGAAAGGTGAAGTAAG	GGGATTAGTGGAGAATTAGGAGAAA	MONCS1965
DPL0304	CATCATCACCATTTCTTCTTCTCC	GGCTTGAACGACGTTAGACAATAG	N/A
DPL0305	GGCTTATCTGGCAAAGGTAAATTC	GATTTCTTTCTCGGTAGCACTGTT	MONCS1966
DPL0306	TGCAGAAGTCTTTAGAGTCCAAATC	TGCACTGGTTGAAGTACTCACTTT	MONCS1967
DPL0308	GGATAACATATCTGCTGTTGACGA	GTACGTTGGGTGCTTTAACACATA	MONCS1968
DPL0310	TTTGGTAATAGAGATGTCAAGGGC	GTGTATTCAAATTGGCCTTCGT	MONCS1969
DPL0312	TGAGGCACATAGTATGCCCTAATAA	TCGCTGATGACTCTATTAGTCTCG	MONCS1970
DPL0313	GCTAAGGTTGGTGCATGTGTT	AGCCCTTAACTTCCCATTATCATC	MONCS1971
DPL0314	CCTTAAGAAGAATAGGGAAGACGG	ACATAAGAGCAACATCCTAACCCA	N/A
DPL0315	GAGAAAGGAAAGAGAAAGATGCAG	CTTTGCTAAGATCAGCCCTACAAT	MONCS1972
DPL0319	TTCCTCTTCTCTGATTTAACCACC	AAGATAAGGAAGTGAAACGTGAGG	MONCS1973
DPL0320	CGTACCCTGTTCCATAATCTGC	CGATAGGATGAAAGTGAAGGGATA	MONCS1974
DPL0321	CAAGTTCCTTCTTGTTTACGAACG	CTAGTCACTGGATATCTAACGGCG	MONCS1975
DPL0324	AACATAGGGCTGAAGAATTCAGAG	GCAGGGATATGGTACACTTTAAGC	N/A
DPL0326	CTGCAGCTATATTCGGGTTACACT	GTTGGACCTACAACATTCACCATA	MONCS1976
DPL0327	GTTCTTTGAGGGTCGTTTCTTGT	GATGAAGAAGAAGAGTCCTTTGGA	MONCS1977
DPL0329	TAATGCTCCGTAACCCTATTCAAC	AGTGTCAACAGGTGTAGCAGTTTG	N/A
DPL0330	GAAAGAACTTACTCCTCCGTTGAA	GATAGAGGTAGAGAACGGTCATCG	MONCS1978
DPL0331	CATGGTTAAGCCCTTCTAATGAAC	CTGGGTTAAGGTATGCCTTGTTTA	N/A
DPL0332	AAGATTCACATAAAGCTAGGCACC	GGAATAGTGGAAGATAACTCAGCG	MONCS1979
DPL0333	TTAGGAATTAGCACCCTCAGAGAC	GTTGTGCAGCATGTAAAGAAGAAG	N/A
DPL0334	AGGATTATAAGTTGCTGCTTGCTC	GCAGTGGTGAGAGATAGGGATAAG	MONCS1980
DPL0335	CTAAATTAGGCATCATTCTGTGGC	ATGGAAGCAGCAGTCAAACTTTAG	N/A
DPL0337	GACAGAGTTGAATCAAGCAGACAC	GTTTCATCTCATCGGCTATATGCT	MONCS1981
DPL0339	CCTCCACAATTATCTCATCTCTCC	GATAATTGACATGCAGCGGTTAC	MONCS1982
DPL0340	GGAGAGTTGGAAGAAGAGTTTGAA	CTAACCTATGCACATTCATTGCTC	MONCS1983
DPL0341	TGAATAATAGAGGGAGGTGTCCAT	GCTGTTGATGTTGTTGCTGTTT	N/A
DPL0343	GCACCCTGATAAGAAGAATGTTGT	TCTCTTCTTCTGCTTCACTATCCC	N/A
DPL0345	GTGCTATTTCTTTAGCCCTGTGTC	CCATTATTAGTTCCTCCAAACCTG	N/A
DPL0346	AGTGAACAGGGCGGAAATATAAAG	CTATTACTTGTCCATTCCTCTGCC	N/A
DPL0347	ACAGCTGTTCCTAGTCCCATCATA	CAAATCCTCTCTCACACTTGAATG	MONCS1984
DPL0349	AGATTAGGCGAGATAGAAAGCTCA	GCTAAAGTAGTGTTGGTGGGACAT	MONCS1985

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0352	GACCAAAGTTCAAAGAAGACAAGC	CAATGCAAAGGAATACTCAGTGTC	MONCS1986
DPL0355	GCAACTGTTACAGAAATTGCAGC	GAACAGGCATTGATGTTGAGAAG	N/A
DPL0356	CTGTAGTTCCAGTTGCTGCTGTT	CAGATCCTCATATGGAACACCTTT	MONCS1987
DPL0357	GGAAACAAACAAGCTACAATAACCC	CTTGCTTGCTCCCTCACTTTAC	MONCS1988
DPL0360	TGATGTTCAGTGGTCTTCCATATC	AAGTACAACCTGTTGCAGTTGCT	MONCS1989
DPL0361	GTGTATGGAGAAGAAGAAAGGGAA	GCAAGTCCATGAAACCTAAAGAAG	N/A
DPL0362	CAACTCTCTTCAGGGTTCTAATGG	AAGATACGGGAAGTTGAGTCTGAG	MONCS1990
DPL0363	GTGGATGGTTCTTCTGCATTAAGT	AACCAGAGTCCATCTTCAAACTTC	MONCS1991
DPL0364	TAGAGCGGTTAAATGGCTACTGTT	TCCATTGACCATCACTTACGATAC	MONCS1992
DPL0366	ACCATTACAACAGTTACAGCAGCA	GTGAATGGTATGATGATGTTGTGC	MONCS1993
DPL0367	GCTCCGCTAGATTTCCATAAATTC	TCTCTCTTTCACTCTCTGCTTCG	MONCS1994
DPL0372	TGCCTCACTTGGTAACTGAATAGA	CATTGGAAGAAGAAGATGAAGGAC	MONCS1995
DPL0373	CACAGTATCAGGTTTCAGTGTGGT	CCTCCTCCTATATGAGATGGATTCT	N/A
DPL0374	GCCAATAGTCTTCCAAATATGCAG	CTGAACTATTACTCTGAGGACCCAA	N/A
DPL0375	AGCAACAACTTCAGATGCAACA	GTACTCCCATTTAGGAGATGAGACC	N/A
DPL0376	GACAGTCATAAACACCATCGACAT	TTACATCTCTGACACGGAACACTT	MONCS1996
DPL0379	CACCAGATGGAAGGGAAGATATAA	GTTCTCCTGAGATTGTAAGTCATGC	N/A
DPL0380	GCTAATTGCTCTCTAGGCAAAGAC	CAACTGCTTCCACCTAGGATAAGT	MONCS1997
DPL0381	TCTTCCAACCGAGAGCTATAAATG	AACAATTCCAGTACCTGATGGTCT	N/A
DPL0382	TCAGTGTAGTAATCCCAGCATTTG	CTTCCTCCATGTTGTGAAATCAG	MONCS1998
DPL0383	GTTGCTACTGCTACTACTACTGCTGC	AGCCATAAGCAACAACCATATGAC	MONCS1999
DPL0384	CCCTTCACTGTACAATACCTGGA	TTGGACATAATGACCTAGCGTATG	N/A
DPL0386	ATTCAACCTGCAGATACGAGTCTT	CATTGGCTAGCATTGTAAGTTGC	MONCS2000
DPL0387	TCGCAACAGAAACAACAAAGC	CTTCGTGGTTTCATCCTTCTCTAT	MONCS2001
DPL0388	CACGTACTTCAGTCCTCGTAACAA	GTTGCTGATATACTTTACGTTGCG	N/A
DPL0390	CCCAAATCTTTGACCACCTCTTA	CCTCTTGGAGTTGGTATGTCTATGA	N/A
DPL0391	GTCCTTGTTGTCATTTAACCTACCA	GTAAAGCGCCGCTAATGCT	N/A
DPL0392	GCAGGAGGATTTGATTCTGAAA	CTTTAAATCCTCACCGAGATGGTA	MONCS2002
DPL0393	GACTTGAGGAGACCGAGGATG	CTCATCCCAACTCAACCCAAC	N/A
DPL0394	CCTGAAATCCGTTCAACCAAC	AGTCTCCTCCTTGGACTTCGAG	MONCS2003
DPL0396	TTACCAAACTTACCAAGACACCCT	GCTGTCATCTCTCTTCGAGTCAA	N/A
DPL0397	CTTTCCTTTCCGCATGTAGTAGTT	ATCTATAGAGATGCTTTCAAGCGG	MONCS2004
DPL0398	CAAATCAAGGAGGAGTATTGAAGC	CACCACCTACTACCACTAATTCCAA	N/A
DPL0399	TCACCACCTACTACGCTAACAAACT	GGGAAGTATTGAAGCAATGGTTAG	N/A
DPL0400	GGTTGATTGACCAGGATAATGTTTC	TAGGTCCATGCAACTGAGTAGTGT	MONCS2005
DPL0401	GCAGCAAATGGGTTCTTTGAT	TCTGGCAGAAACCGTACACTATTA	MONCS2006
DPL0402	TTACAAGCGAATTTAGGATGCC	ACTTGAGGTGCAATTGACGAG	MONCS2007
DPL0404	TCATCTACCATAGCCCTTGAAGTT	GAAGAACCCTTCCATCAAGAATGT	MONCS2008
DPL0406	GAGTCTGGGTTTGGGTAGAAGAC	CCAGTGTCTGCCCAACTTATTTAT	N/A
DPL0407	GGATTTACCTCGAGTGTTTGTCAT	TGTACACATGTTTCTTTCGAGTCC	N/A
DPL0408	CACGCCATAAACCCTTTGTAAT	AGTATTGGGCCTTGAGTCTGG	N/A
DPL0409	CCCACTAACGAGGATCATTGAA	ATTAGGAGTTGGTGTGGAAGAGAG	N/A
DPL0410	GCTCTCTATTTAGCAACTGAACGTG	AGTGAACCTCAGGAACTCACCTTA	MONCS2009
DPL0411	AGGGAAATAGTTATGGAGGAAAGG	ACCTCACACACCTTGCCTATG	N/A
DPL0412	CTTTAGGAAACAGATGAATACGCC	TTTCTCGAAGGACAAAGTATACGG	MONCS2010
DPL0413	CATCTTGAAGGTATGGCGTAGTTC	CGTGAGTTTATTACACAGTAGACTGGC	MONCS2011
DPL0414	ATCAACAGCAATAGTTGGTAAGGG	CATTCACTAAACAATACGCCTTCC	MONCS2012
DPL0416	TGGGTCTTGTGGTACATAGAAATG	GGTTTAATTCATTGTGCTGGGA	MONCS2013

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0418	CATTCAGAATCTGGTCCACTTTG	AAGCAGTGACGAATAGGTTTAAGG	MONCS2014
DPL0419	GGGTGAACCAGTATTCCTTGATAC	GCACCTTAAGTAATTCGCTTCTTTC	MONCS2015
DPL0420	ACATGTGGAGGGTCTCAACTTATT	TAGAAATCTTATCCCATACCACGG	N/A
DPL0421	ACTAGGACTCGGAATGGCATC	ATCAGAGTAGTAACTGCGTATCATGC	MONCS2016
DPL0422	GCTTTGGTTCAATCCACTGTAACT	CCACACCATAAACCCTTCGTAAT	N/A
DPL0423	GGAAGGTTAGATGTTTCTAAATGGG	ACCCTCGAGGCTTAAATCAAGTAT	N/A
DPL0424	TACAGATGCCTCCAGATGCTTT	AGGGTCTTGAGACTTGAATGTGA	MONCS2017
DPL0425	CAAGAAAGTCAGCAGAGCCATAAT	GCACTTGTACACAGATAAAGGAGAGA	MONCS2018
DPL0426	TATTGTAGGATTCCACCGACTTTG	CTTTACTATCTTCGTTGCTCTCTCG	N/A
DPL0427	ACCTAAACTATTCTGCAGCAAGCA	CAAATCCCTAATCCACCACTGT	N/A
DPL0428	CGTTTGATCCCTTGTGACTAGAAT	GAGACCAGATGACTATAGTGGACTCA	MONCS2019
DPL0429	ATTGGTAAGCAACCTTCTTCCTC	TGTCCTATCCTATGCCCACTTAAT	MONCS2020
DPL0430	ACCCTACCTAAACCTATTTCGACC	ACTCAACAACTTGCAACCACG	MONCS2021
DPL0432	CCTCGTCAATGAGGTACTTGTTC	TGTGGTAAAGTCGCATATGTTCAG	MONCS2022
DPL0433	CTCTTACATTTCAGCCTTGATTGC	GATTCATCCGAGCTTAACATCAGT	MONCS2023
DPL0434	TCTCGAAACTTGTTACCAAACCC	CCGGACAGGCTGAACATTT	MONCS2024
DPL0435	TTCATTTCCCGCTTTCAATC	AAGGAAAGGAGAAAGTTATCGAGG	N/A
DPL0436	AGGGCACTTTGAGACCCAATA	TTCAAGTATATCAAGATCACAGCCC	N/A
DPL0437	GTATCGGTCCTCAAGGAATCTTTAT	CGACCCTGGATCTTATATCAACAA	MONCS2025
DPL0438	AGATGATGGTCTGGGAGATATTTG	CGATACAGAGAGTACTAAGACTTGACCA	N/A
DPL0439	TGTTCGTCATAATGTACCTAACGG	TATTGGGTCTAGTGGGTTCTTGAT	N/A
DPL0440	GGGTAGAAGACGGTCTGAATAATTT	TAATAAAGCCTACTGCCCAGATTC	N/A
DPL0441	CTGTTACATTTGCTGGTGTGAGAT	TCCCTGCACCTTTCATACATTTAG	MONCS2026
DPL0445	GTACTGGGCCAATTGTAAATGAAC	GTAATACCCAATTTATGCTCAGCC	MONCS2027
DPL0446	AATAAGGTCTACTGCCCAGATTCC	AGTATTGGGCCTTGAGTCTAGGTT	N/A
DPL0447	CCCACACCATAAACCCTTTGTA	GTAGAAGGCGACCCGAATAATTT	N/A
DPL0449	TCACCACCTGCTACACTAACAAAC	TGGAAGAGTAGATCTGGGAGAGAG	N/A
DPL0450	AAATCCTGCTCTTATTCCTCCTCT	AAATAGTGGAAACATTGCTGGC	MONCS2028
DPL0452	CTCTCTTTCCTCCACTTGAAACAT	CCGAAAGGTACCAACAATCAAT	MONCS2029
DPL0453	GTGTCCCAACCAATGAGAATTAAG	GTTCGTGACATTGACAAATACGAG	MONCS2030
DPL0454	GAAAGCTCAAAGGACTAGAACACG	CATAACCCATGTCACAGTTCCATA	MONCS2031
DPL0455	TGGCTATTCTTAACCTCTCTCACC	GAATCGTGCTACAAAGTAGACCAAA	MONCS2032
DPL0456	TGCGACGGGTAATGAGTATAATTC	GACAATATATAGCCCAGTAGGGCA	MONCS2033
DPL0458	ATGCAACCACCTAGCAGTATGAA	GAGTTGTGACATTCTGTTTCTTGG	MONCS2034
DPL0459	TACACTTTCCCTCTCACTCTTTCC	TTGGAGGACCAGATTATGTAGGTT	MONCS2035
DPL0460	GCATCAGTGCATTACCAAAGAAC	TGTCTCCTTCTCCAAGTTCGTTAT	MONCS2036
DPL0462	GTATGTTCTGGTCTGGTCAGGTCT	TGTCATCATCCCTTGAGTTATTCC	MONCS2037
DPL0463	AGCCTGTTGAATCAATCTATACCG	GTGAAGAACTTCCCAATCTGTTCT	MONCS2038
DPL0464	GTGTGGGTTTGGTTTGGGTAT	TTTGCTATAGAGGATGGATGGAGT	N/A
DPL0465	TTAAGCAAAGCTGTAAATGCCC	ACTAGGCCTCTCTTGTATTTGGGT	MONCS2039
DPL0466	TACCTATTGTGCATGTCGACCTAA	AAACACAACATGAACCAAGCAG	N/A
DPL0467	TATTCAGCCACAGTCAAACCAGTA	GGTAATGACTTGTACCGGGAAAT	MONCS2040
DPL0468	CCATTCACTCGACCATAACAGTC	ACAAGAATCAACACCGTAAGATCC	MONCS2041
DPL0470	CTCATTTCACGATAAACACGGG	ATGAGAAGACACCACTGTGAAAGA	MONCS2042
DPL0471	CGGCATTTCTATCATACTGTAGACC	AGTGAAATCGGAACAGTGGTTTC	N/A
DPL0474	CTTACTGAGTTGTCGGAGGAGTTT	GATGCTGCTATGACCTCTGATACA	MONCS2043
DPL0477	TATGAATGTTCAGAGCAGTTCCG	CTCTATTGCACTTGCTCGTGAC	MONCS2044
DPL0478	AGCTAAGAGTTGTGTTAGGGCAAA	GGGAAAGAATTAACGGATGAGAG	MONCS2045

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0479	CCTCATTTAGTGCAACATTAGTCG	CTCTGATGTAAACCCGTAATGGAT	MONCS2046
DPL0480	TATGGATCAAGGGATAAGCACAAG	TTCTCCCACGGTACAATTTAGACT	MONCS2047
DPL0481	GAGCCCTCAGATCAACAAATACAT	CTAGTTTCTATGTGCACTATGGCG	MONCS2048
DPL0482	AATAGGATTTACAGAGGAGGGAGG	GGATGACTTGCTTGGTGTCATTA	N/A
DPL0483	GTCAATCACAAATGGAGACAGGT	TGCCTGCTATAGTGCTATTTGGTA	MONCS2049
DPL0484	TAAAGATAGATTCGACCCTACCCA	AACAACTTGCAACCACGAGTC	N/A
DPL0485	AGAACTGGTCTAGTTGTCTCCAATG	TAGGCATACATTACATCAGCAACC	MONCS2050
DPL0486	CTTGATGCCTCTACTTATGCAACA	AATGGTGATAAGACCAGAAGGTGT	N/A
DPL0487	GGTACAACGGTAATGATAGCAACA	TCTAGTCCCTCTTATTTGTTTGCG	MONCS2051
DPL0488	GTATTGCATACTGCAGTGGAATTG	TCTTTAGTAACGAGGTCACCATCTG	MONCS2052
DPL0491	GCATAGATGAGAAGGCAAATCAAC	TGCTTCAGTATGTGCCAGTACAA	MONCS2053
DPL0492	ATGTTACTGCCATGGTTGGTG	CCATTTGCCATAACGTGTATAGTG	MONCS2054
DPL0493	CAGTCATCACATCACATCAACACTT	TGGGACTCCGATACAGCTTG	N/A
DPL0496	GGCAAACCAACTAATGCAATTC	TACTTGGATGCATTGTGTACGTG	N/A
DPL0497	GATACTGGATTCGAGATACGAAGG	TCGTAAATCTCCCTTCTCTTCAAC	N/A
DPL0498	TTCTTTGTTCTTCTCTGTGTGCTC	GATCGTAATGAAAGACGACGCT	N/A
DPL0499	GCCACATGCTGCATAACTTAAA	CTAGCTGGCAGTCATTATTTGTTTG	MONCS2055
DPL0500	AGTCTCTAAACCTGACTCCTGCAC	TTTCATGCAGTACATCGTACACTTC	N/A
DPL0502	CCTCAACAGTCATCAGTTTCAATC	TGGCTTGTTCTAATCCAGGTAAAC	N/A
DPL0504	CCTACACCCAATGTGAAATAGGA	ACTAAAGCCAGAGCCATAGGAACT	MONCS2056
DPL0505	CTGGTGAATCTCTAACCCTGACTT	CTTCCTAACACATGATTTCCTATGC	N/A
DPL0506	ACTGACTGATTGGATGTGAATGTC	AATAGGGCTATTAGTCACCAGCAG	N/A
DPL0508	GGCCAAACAACTAATGCAATTC	GTTGCGAAGTAAATAATACGGAGG	N/A
DPL0509	GCAAAGATATTTACAGCTCGTGTG	TGGTAATACTCCGTAACCCTGTTT	N/A
DPL0510	CTCATACATATGCGCCGAATG	TGGGAAACACACTTGGTAACGTAT	N/A
DPL0512	TGTCCTTTATCACATGTAACTGGG	GTGATCATATTCGTGATTGGGTTC	MONCS2057
DPL0514	TCTGGTCCCAGTAAACAAGAAACT	GAACAAATCCGTTACACATTACGC	MONCS2058
DPL0515	AGTTCCCTAATTTGCTTTGGAGTAG	CTCAAGGTGAGGAAATCAAAGAAC	N/A
DPL0516	GTGTGTACATGTATGCTTCTGTAACTGAC	CTAATAACCAACAGATCAGGTGCC	N/A
DPL0517	AACGTGTAGCAGCATCTTCCTTAT	CCTGTTTCGCGGTGTATATTAACT	MONCS2059
DPL0518	CCATAGCCACCAAAGCATTTAT	GACGTTGGAATCCAGCAATG	MONCS2060
DPL0521	CCTTTATTCTGAATGTATCCGTCC	ATTGAATATGGAATTCGGACCC	N/A
DPL0522	CCAGTAACCCATATCTAAACCCAA	ATGCAGTTCTTGAAGTTGCTCAC	MONCS2061
DPL0523	TAATGACTGCCATCAGTTTGGA	GGGTGAGAAATATGGCTCGATAA	MONCS2062
DPL0524	AGAGCCATACTTATTTACGTGCCC	GAGTAACTCAAATAGCAAGCAGCC	N/A
DPL0525	CCAGTTCAGTCAATCTTCCTTCTC	TGGATGTGAATGTCTGCTTCTAAC	N/A
DPL0526	GTTCTTGGTCATGCTGGTAAGAAA	TAGCCATATCCACCTTAGCAGATT	MONCS2063
DPL0527	GGGCTAATAACCAGCAGATCAAC	ACTGATTGATTGGATGTGAGTGTC	N/A
DPL0530	AGACTTACTTAAAGGCACCATTCG	GCAGACTCTTCTGGTGTAACAGTG	MONCS2064
DPL0531	TTAGTTCTAAGGAGGCACATGACC	CATGATACTCCTATTTCTGGTGCC	MONCS2065
DPL0533	ACTCGCGCAAGTCATAGTAATGT	GCATGTGCATGTGTGTGTATGTAT	N/A
DPL0535	CTAACCAAAGCAACATAGCCATTC	CAAGGTGTCGAAAGAGTTTAGTGG	MONCS2066
DPL0536	GTAGCGACTAGCAAGGTTTCGTAT	GCAGCCTACAAGTCAACAAGAGTA	MONCS2067
DPL0537	CTACGAACAAGCAACAATGTGATAC	GAAATGCTGCCTAGTGGTTACCTA	MONCS2068
DPL0539	GGACTCCGATACAGCTTGGA	TCAGTCATCACATCACATCAACAC	N/A
DPL0540	GCCAGGTAAGTTCGTATGTTGAA	CACGAATATACTTTATCCTGCGTTC	N/A
DPL0542	GTTCGAAAGTCCTTACAACCCTATT	CAAGTCAAACAACCTAGGTACATGC	MONCS2069
DPL0543	CACATCACTGACTTTGATGATTACG	GGAACTTGAAGATCAAGATTGAGG	MONCS2070

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0544	ACTCTTTACAGGTCCTCCTCCTTT	CTCAACATAATGCATAACTGCCTC	MONCS2071
DPL0546	ATATGTGTGCATTTGTGGTTGG	CCTTTCTCTTCAACATCCTACTCAA	N/A
DPL0548	CTCATGATTTCTTACCAACCCTCA	TCAATGACTTGGCAGACATAGAGT	MONCS2072
DPL0549	CTGAAGCATGGTCTTGGTAAGAAT	TAAAGAAGAGAAGAGCAGAGTGGC	N/A
DPL0551	AACCCAAGAATTTGCTTAAGGG	ACCTAAGACTGTATGCTTCCATGC	MONCS2073
DPL0552	ATTAGGAGTACGTTGGGCTGAGTA	GTTTCCACCTTTAGTCTCCAAATG	N/A
DPL0553	AAGAAGTATGCGTATTCGGTCAAG	CTATTCTTTCTTTCCGACCCTCTT	MONCS2074
DPL0554	ATGTACTTGTTCTCCAGTGTCGG	TCAAGAATCTGTAAGTTGGGTCTTC	MONCS2075
DPL0555	TAGAGGCTTCACTAGCAGTGTTTG	GCCAGTGTTCTTTGATATTGGTAAG	MONCS2076
DPL0556	CTCAAGGAGGCCTTTCACTAAATA	AGGATCTCTAGCATTCTGATTTGC	N/A
DPL0557	GTTGTTGGTCATTGCCTCTATGTA	CAGCAGTTATAAATCCATCTGCAC	MONCS2077
DPL0558	CCATAATCCCTTAATTTCCTCCC	CATAATAGAATGGGCCTGCTAGTC	MONCS2078
DPL0559	TAAATATACCCATCCACCACCAAC	TATAACGGTCGTTACTCTGAAGCA	MONCS2079
DPL0560	AAAGGAAGTGGCGTTTAGAGGT	TAGTTTCCCGTATCCCACTCC	MONCS2080
DPL0561	GGCACCAGATCCAACATAACTAAT	GACTCATTGTACTTAGGGTACGGC	N/A
DPL0562	ACACTTCATTTCTCAGGTGATGC	ACAAGGATGAAGAAGATTCAGAGG	N/A
DPL0563	TCATGCATTTGGATCTCATCAC	GCATGTATCATAAGGATGTGTTGC	N/A
DPL0564	GTTAATGCTCTCCCTCCCTCTC	TAAGGCTAAGAGGCCTGCAA	MONCS2081
DPL0565	CGACCATCATAATGAAAGAGAAGG	GCAAGCCAAAGTATCTTGTCACAT	MONCS2082
DPL0566	AAAGAATCATACCCACCACTTGAC	TCTAGCCGTATACATCTCCTTTCC	MONCS2083
DPL0568	CAAGTTTGCTACTTTGGTCTCAATC	TTACGCGTCTACATTTCAACACTC	MONCS2084
DPL0569	CGATCGAAGAGTGAATCTTACACA	TCCTACCAAGGTAATTCCAATCC	MONCS2085
DPL0571	AATGGATTGGAAACTGTGAGAGAG	ACCCAAACCCACACTATCAAAC	MONCS2086
DPL0572	GAAGAATATTCAGCCTACACCCAC	TCTCCTTCTATACTTTCGATTCCG	MONCS2087
DPL0574	CAAATGGAGTAGAATTTCGGTAGG	GCAGGAGTTCGAGTTAGTATGGAT	MONCS2088
DPL0575	TTATCTCGACGACGGATATAGGTT	AGTACGATGCTTGAAGATGGCT	N/A
DPL0576	TCTAGGGTCATGGTTCTTCTCTTC	CAGTCCTCAATTAAGGTCACGC	MONCS2089
DPL0577	CTCGTACTCGGTTACAGTCATACG	GCATGCTAGTGGTGGAATACATTA	N/A
DPL0578	CTCTTATCCTAACCAACCAAGTGC	ACCTTAGATTTCATCGGTTCCAC	MONCS2090
DPL0579	CCTCCTCCCTCAAATATTCTTCTT	CTACCTTTCTTCGTCCTCATCTGT	MONCS2091
DPL0582	CTAATCTCACCTTATTTCGGCACT	CTTGAAGATGGTTCTATTTGGAGG	MONCS2092
DPL0583	GTGTGGGTCACTTGACCACTTTAT	CCTCTCTTGGTGCACCTCTACTAC	MONCS2093
DPL0584	GGATACCTACCAACCAAAGTTGTC	AGGTTCCGACCACGCTAAA	MONCS2094
DPL0586	CATCGGACCTTCGAAATAATTACC	GAGTTGAGAAGAAGTATCAGATGCTCA	N/A
DPL0587	AATCGATTTGACATACGAGCG	GACATGATAAATCTCGAACTTGGG	MONCS2095
DPL0589	CACCGAATTATTCCCTCACATT	GATTATCACCGGCTACAGGAAAT	MONCS2096
DPL0590	GATTTACTTTAAGGAGGGCGAAAC	AAAGGTACACTCATGCGACTGAC	MONCS2097
DPL0591	TGATAGAGCCATGTTCCTATGATG	TCCAAACAAAGTCCTCTCCTACAC	MONCS2098
DPL0592	CTTGGAACACCGCATAATGTTAC	CCAACGTTATTCAACGCGTATC	MONCS2099
DPL0593	TCCAACATCATCTAGTTAGGAGGG	GGTAAGGAGAGTCATGTAAGTGGC	MONCS2100
DPL0595	GTCTATCTTATCCCACGAGAACCA	CTACTCCCGTAAGTGCTGCTG	MONCS2101
DPL0596	GCATTCATGCATTTCCATCTC	CTTTCTGGATCTGGTCAAGTCTTT	N/A
DPL0597	TGGATGATGTAAGTGTATGAATCCC	GACATGGAATATACTTGGCCTACC	MONCS2102
DPL0598	GCAAGTAACACTTCAACTTCCCTT	AAGGGTGTTGACTGAGGAGATTT	N/A
DPL0599	TTCGCTAGTTACTCTCCTTCGAAAT	GACTATTGCCACAAGTTTCGAGTT	MONCS2103
DPL0600	AGGCACCTCTTTAGTGATACTAATTCC	TTAAGGGTAGCCCTCTCAATCTCT	MONCS2104
DPL0602	ACACAAAGGAGGAGGGAGATAAA	TTTCTATGTCAGAGTTGCAGTCTCC	MONCS2105
DPL0603	AGAGAGCAATGCAACTCTTCTCA	GAGGTAACTTCTGGTTGATGAATTG	MONCS2106

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0606	ATTAAGTCGAGTTGTGTGCACCT	TGCATGGAGAAATTCAGATGAC	N/A
DPL0609	CTTGATCTTCAACACTTCATCCAC	GACCACCGTATTCAACGTGTATC	MONCS2107
DPL0610	CAACCAATAAGTGAAGGTGGAAAG	GGGTAAGTCCCAAAGTAATTGTTG	MONCS2108
DPL0612	ACATAGTAGCAATGAACCGTCACA	CTCCTATACAATTTATGTCAACGGG	MONCS2109
DPL0613	CACATGTCGGTTATACATTGACG	TCCTAATTCGGTACATGAACTTGAC	N/A
DPL0614	CGAATAGGGTGAACGATATACTCC	CTTTGGTTGTCCCTTGATACCTT	N/A
DPL0616	GAGGAAGGATAGGATGTCTTCAACT	GTAAACTCCACTGCCCAAACTATC	MONCS2110
DPL0617	CACAATAGCAAACTGGAATCACTC	TGGATGTCTGCAAACCCTTAAT	N/A
DPL0619	CACAATAATCGGCCAAAGAGG	CTTGATCTTCTCCCTCTCATCATT	MONCS2111
DPL0620	GGAATCGTGTAGGATTGGAAGTAG	TATTCCTGTATCACATGGACTTGC	MONCS2112
DPL0621	CTAGCAGCGAGTACGCTGTAAAT	CCTAGTGCCGACAGTTTAGAAGTT	MONCS2113
DPL0622	ACAGACTCTTATTGTGGACTTCGG	GTTTCACCAAATGTGTCCTTCAC	N/A
DPL0623	CACATCAGAATCACTTCAGGCATA	CTGTCAACCTTAAATCTAGCTGGC	N/A
DPL0624	CTTTCGGCTTGAGAAAGAAGG	AGGTAGAACTGAAATTGGTAGGAGG	MONCS2114
DPL0625	CGTTGATGATTGATGTGTCGAT	CCCTTCAATCTTCACCTTCTCTT	MONCS2115
DPL0626	TCGACTAGTTGGAGGGTTAGTTGT	GTTGGGTTTCCATAATAGTGCATC	N/A
DPL0627	ATAGGATTTACAGAGGAGGGAACC	GTAATGGTAAAGTGATGTGGCAGA	N/A
DPL0628	CCAACCAGAGCCACTGTTAGAA	GAGCGAGCCATTTCTCTTATCTTA	N/A
DPL0629	TCCACTCCACTTTCCAATCTCTAT	ATAGAAGAGAACAGCAGCAACTCG	MONCS2116
DPL0630	ATAGCCAGAGATTCTGTTCTCCAG	GAACATTGAGGTTGTCATGTTAGGT	N/A
DPL0632	AAGATGGTGATGATGAAGGAGAAG	AGGCCCTTCAGAGTTCTTAATCTT	N/A
DPL0633	CCTCCCACAACAAGGTACTAATATG	CAAATCATAACCATGGGTCACA	MONCS2117
DPL0634	ATTTGACACGTTAGATGTCCACAG	AGAATCAGACCTCGCCAAATTA	N/A
DPL0636	TGTTGTCACTCCGGACTTTAGTT	AGACATGATTGGCAAGACCTACTT	MONCS2118
DPL0638	TGCCAACCTTCATTCTTGATTC	AGACTCGACCTTGGCCCTT	MONCS2119
DPL0639	AAGGAAGAGGCAAAGAATTAGACC	TGTCACGTTGGATGTACACAGTAA	N/A
DPL0640	TCTCCTCGAGGTAATTGTTCTTTC	TGAGAATGAGCGATCTAAAGTGTG	MONCS2120
DPL0641	CTTCATCGCTTTGATACTCATCAC	CAGTTTCTTCAAAGGACGAGAGA	MONCS2121
DPL0642	CCTCATCCTTGTCAATTCAGGTAT	AGTTAAAGAGGGAAAGAGGCCA	N/A
DPL0643	GAGGGTGAAAGTCGCTTCATATAC	GTACATGATGACTTCTTATGCCGA	MONCS2122
DPL0644	AGGAGTTGAAAGATGTTGAAGAGG	GTTAACTAGCCACATTGGACATGA	N/A
DPL0645	GATTATGGACGTGCTGTGATCC	GATCAACGCTGTCAGACCAGTAG	MONCS2123
DPL0647	AAAGTTGGGTTAGGGAAGAAGAAG	TCCCACTACAAGACACTTCTTTGA	MONCS2124
DPL0648	GCTTGATCTACTAATTCGCTTTGG	GGTGAAAGTAGAGGCAATTTATTCG	MONCS2125
DPL0649	CATCATCTGCTGATAGATCGACAT	ATGATGGTAGGTTGGATGATGAGT	N/A
DPL0650	ATAGGGTTGGTGAGGATGGTTAAG	GCCCTATTCCTTACAGCCTTATTC	MONCS2126
DPL0651	CCGATACTGATTCATCTTTGGAGT	GTTAGACATGATCCTTTCTGGCAT	N/A
DPL0653	GGTAATATCAAGGAGGCATTTCAG	AGTTAGCTTGTCACGTTGGATGA	N/A
DPL0654	AGGTTGTCTGTTGGATTCTGAAGT	CCGTCCTGCTAAACCCAAA	MONCS2127
DPL0655	CAGTTAACTTGCCACGTTGGAT	GCGGATTCAGTAACTGTTCTTCTT	N/A
DPL0656	CCAAATGCACCATCTCATCTCTAT	AACTATGGCAGATTCTACGTCCA	MONCS2128
DPL0657	AGGTTACAAAGGAAGAGGCAAAG	TGGGTGCCTCAGAACTCATTATAC	N/A
DPL0658	GGTTCAAATCTGCTTCATTAGGAC	TGAGAGACAATGAGTAATGATGCC	MONCS2129
DPL0660	CAGTTTGAATTACCTACTTTGCCG	CGAAGATCTGAATCAACACATTCTC	N/A
DPL0661	GGGTAACATCGAAATCTGCTGTA	CTTCATCTCTTATCCCTTTCTCCA	MONCS2130
DPL0662	TAGGTTATAGCCAGAGCACAATCA	GTTCTGCCTTATCAAGGATTTCAG	N/A
DPL0663	GGTAGGTTGGATGATGAGTCAAAT	GATATTATGCATGTGGGCTAGAGG	N/A
DPL0664	AGGGCACATTGAGACCTCCTA	ATTCGAATTGCCCTTTACGAGT	N/A

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0666	CCTTCTTCTGTTCTTCATCCAGTT	GGATCAATTCAGATTAGTCAGGGA	MONCS2131
DPL0668	GTACAGTCACACCTTCTGTGTGGT	CAACTGAACCTGAAAGACAGTGAA	N/A
DPL0669	TGTTGAGTTCCATCCGAATGTT	TACACCCACTCTACAACATCGCTA	MONCS2132
DPL0671	TCACCAATGGGATCAACACTT	CACTGGTGAATGTTCTTCATCTTC	N/A
DPL0672	ACTCTTCCCATAAACTTGGCTACA	GCTGAAGGACTCGATAAGTTCAAA	MONCS2133
DPL0673	AAGAAAGAGAGGCCAGAGTGAAA	AAGGACAAGACTACCATATGCCC	N/A
DPL0676	CTTTAATAGTGTGATTGGTTGGGTG	AGTTAACTAGCTGATGTGGCCAGT	N/A
DPL0677	TCTCATGACACCCTCTAACTTGC	GCAAATGTTGTCTCCTAACAACTG	MONCS2134
DPL0678	GAATGATGGTGTATGATGGTTGTC	CCACCACTCTTCTTCATCTTTCTT	MONCS2135
DPL0680	TGTCGTTACTTTACGTTGTCACCT	CTTGCCAAGTTAGATGTCCACAAT	N/A
DPL0682	TCGGATAGTGTAGACCTCAAGACA	TCTCAGATTCTGTTTCATGACTGG	MONCS2136
DPL0683	GAGGAGAGAGAATAGAAGGAAGAAGG	TGCACTGAGTCTGTCACTCTGTTA	N/A
DPL0685	GCTGCATGTTGAGTTCCTCTGTAT	CCTTCCCTCTTTCTATTCTCCTTC	MONCS2137
DPL0686	GATGTCCACAATTGAAACCCAT	CGGATGCTGAATCACTATTTGA	N/A
DPL0687	GACTGTTGAAGTACCAGGTTAGGG	ACTGGAATCACTTCAGGCATCT	N/A
DPL0688	GACATGATGATGATTGGATGGTAG	CATCGAAGAATTTGTCAAGAGAGG	MONCS2138
DPL0690	AAGGCCCTCAAACTTTCTCAA	GGGATGTCCAAGTACCCAATTAT	MONCS2139
DPL0691	CTTAAGTCTAGCTGGCCGGTTACT	CTCCTACCTGGGTTGTCATTAGAC	N/A
DPL0692	TGCTACTACTGCTGCTACTGCTTC	TTACTGTCTTAACAGAACCGCTGA	N/A
DPL0693	AGGTCGATTCCTATCTATTCTCCC	TATCCAGCTTAGCCACTTGATACA	N/A
DPL0694	CTAAACAACAAAGCCACTCTCCTT	GGCGGGAAGAGTGAAGAAAG	MONCS2140
DPL0695	ACTCGGAGGTCTCTTACGAAAGTT	CTTGCCACGTTGGATGAAA	MONCS2141
DPL0696	GACTATAGGCGGTTTGTGATCAAT	CAAAGAGAAACTACCTTGGTCCTG	MONCS2142
DPL0697	ACTGTGTTGACAATAAAGCCCATC	GGACAGCGGTTGAAACACTATT	MONCS2143
DPL0698	GGTTAGTTCCATTTGTGAAAGACTG	TAATGAGCCTTTATCTCATCTGGG	MONCS2144
DPL0700	CTTGGCTACTTTGGCTTCTATGAT	TAAGATATAGTCACCGGCCAGTCT	MONCS2145
DPL0702	GATCTCTCTATCAACGACCAGGTT	CAACCGTCCGTCATTAGTGTAATA	MONCS2146
DPL0703	CCCAATTTAAGAACCCTAGTTGG	CAACCTCATGCTACTACTGAACCA	MONCS2147
DPL0704	CTTCTGGATACATGGAACCAACTT	CTAAACAGCCTTGGGCAGTAGA	N/A
DPL0705	GAACTCCATTTCTCAAGGAGAACC	ATACTCGTCCCATTATGCTGTACC	MONCS2148
DPL0706	CCATATTGAGACTGTTGCTGTTGT	GTCTCCGCCTCTTTCAAATCTC	MONCS2149
DPL0707	GATATTGGTTGCCTATCATCCTTG	GAAGTTCGGTGAGGAAATGAAAC	MONCS2150
DPL0708	CCTTCTATTCAGGCCTGTTAATTG	TTTCTGCAGCAACAAAGAACC	MONCS2151
DPL0710	ATGATATGCAGGCCATGATGTAG	AGTGCAAATGAATCAACGGAG	N/A
DPL0711	AGTAGAACGGGACTTGTTCGAGTA	GTCATTAGAGTTTCGGTCTGGTCT	N/A
DPL0712	TCAGAGAAGTCTATAGAAGCCGAAA	TTAACATACCACCAGACATCGAAC	MONCS2152
DPL0713	GCTGGTAATCTTCAACAATCCTTC	TTACTAAGATCTCTCAGCGTTCCC	MONCS2153
DPL0714	TGCTGTTGCTGTAGTCCTGAAATA	GCTGCAAATATACCACAGAATCAG	N/A
DPL0716	CATGTCAATCTTTACAAGTCTCGG	GTCTGTTCAAAGATTAGGCGCTAT	N/A
DPL0718	GGACTCGGTTATTTGGCATGTAT	CCATTCAGCCAGGTGATACTACTC	N/A
DPL0719	CCCACTACCAATTCAGATACTTCC	CGTACACCGGATAGTAAGATGACA	MONCS2154
DPL0720	AGACGAGGAGGTCTCTAATCCTTT	CCTCCTTCTGTATGGGCACTTTAT	MONCS2155
DPL0721	CGGTTATATGATTGTTCCCTGACT	CGGAGTCCATACTCTCCTACAAGT	MONCS2156
DPL0723	GTTGATGAGACCAAAGGTATCTGG	ATCTGTTGGCATCCATTCAGTAAC	MONCS2157
DPL0724	CTATTAAGTAATTCGACCGTTGGG	GTTGAGAGTTGGTCTGAGCGAT	N/A
DPL0725	CTGTCACCATCGTTGACCAC	TACATTCATTCGGTGATGGCT	MONCS2158
DPL0726	ATGCTGAGGATAGGTACAGAGGAC	CCAAACTAGAACATCATCTCATCG	N/A
DPL0727	TAGTTGTGCTTTGATCTATGCTGC	CAACTCACACCTCTCTTCGTTGTA	MONCS2159

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0730	GTCTCGAATCTCTTGCTTAGCTTG	GCTTCACACTTGAGGAACACTTATT	MONCS2160
DPL0732	AGCAGTTCCTTTGGCTCTTAGTCT	AAATGGTGAGAAAGAGGCGTATC	MONCS2161
DPL0735	CTTCTTCCTCACAACCCTACAAGT	ACTCAACGTTATCGTCAAGAGGTC	MONCS2162
DPL0736	GGATTGATCTGGAGCAGTGATT	ACCGTAAATCTCAAGCATATCAGG	MONCS2163
DPL0737	GCAAAGCATCTCTACAGGACATC	TGGTTCACTAGAGAAATGTTGGTG	MONCS2164
DPL0738	CGTAACCCTATTCTAGCGACAGTT	TTTCACGTTGTACGTTGCCTAC	N/A
DPL0741	GAAATCTTATCACATACCACGGTTC	CGAAGGGTCTCAACTTATTCTCAC	MONCS2165
DPL0744	GTATACATGTGTCGTATGGGCAAG	TAAAGGAAAGAGGAGATGAAGGGT	MONCS2166
DPL0745	AGAATGGCATCTGATCATGTAGG	AATTGCTGGAGGATAACAGACCT	N/A
DPL0746	ACACGGTTATGTGGCATGTATGTA	CCTTAGGTGATTCCTTAGCTTCAA	N/A
DPL0747	CCTACCGAAACTTTAATGATGGTG	TGGGACGTTATATGTCCAATACTGA	MONCS2167
DPL0748	TTGGGTATGTCTGTTATCGTGGTA	ACCACCTTCTTCTTGTACTCCTTG	MONCS2168
DPL0749	GCGTACTGATTATCTATGCCAACA	TCACACTATCCAGCTTCTGGTTC	N/A
DPL0750	ACTTTCCAGCCTTTGTAGTTTCAC	GGGTGGATTTATACCACACTCATT	MONCS2169
DPL0753	CGCAATTTAGGTGTCTACAGGAC	GGGTAATCCTATTGCATGTTGTTC	MONCS2170
DPL0754	AAACCCTGATGTGCTGCAA	CCCAATTGACATGTCTGGTAGTAA	N/A
DPL0756	GAACGGTCACATGTTGTTGACTAT	TTGGGCTGTCACACTAACAATC	N/A
DPL0757	CCCTACAACAGTTTGATACCATGA	ATTGAGGGTATTGCTATACATCGG	MONCS2171
DPL0759	CCGTTTCACATCTAATGGTAGTGTT	ATAGGTTCTCGATCTCAGAAGTGG	MONCS2172
DPL0760	TCTGATTCTGAACCCGTGTAACTA	GTGACACATTAACAGACAGTCAAACAG	N/A
DPL0762	TGACATGGAAGATTCTGAGTATGG	CTCATCATTGTCATCGTTGTCATC	MONCS2173
DPL0763	CTGCGCAGTCTAGTCCCAA	TTAGGAGCGTATCTTAGATGCAGG	MONCS2174
DPL0764	TTCCAATCCAATCTCGTTTACC	CCCACACTTAAGTTGTTGCTTGT	MONCS2175
DPL0765	AATGCATTTGACCACCACCT	GTGGAAGTGGTAGCAGTAGTGTTG	MONCS2176
DPL0766	ACGCAATGGATTACCTAGAACAAG	CCTATAGAGCTGACCATTGATCCT	MONCS2177
DPL0767	CAAATTGGTTGGTATCTTGAGAGG	GACAGGTGTTTGGCTAGATAGGTG	N/A
DPL0768	GTGATATGGCATGAAGATGATTGAG	CCTTACCATTTCAGCTACCAAATC	N/A
DPL0769	GGTCTCAACTGAAAGAGGATCAAC	AAGAGACCTGCAAGTCAAAGTTTC	N/A
DPL0771	GCCTAGTGGGACTGGTGATATAAA	GTCCTTGTATTGGAGACTGGAAAC	MONCS2178
DPL0772	AAAGGGCGCTTTACTTCCTAAA	CTAAGATGTCGCATACCCTTTCTT	N/A
DPL0773	TGACACTTGTCATAATCTCACCG	ATATGACCTGGAAAGAACCCAAAC	MONCS2179
DPL0774	ACACTTCAAATCCCACATGGAC	CTATCGTTCCAATCATTCCATGAC	MONCS2180
DPL0775	CCACCTGTAAAGCAGGTTATCTCT	ATGATCTTGAAGGTCTCTTCCAAC	N/A
DPL0776	CAGCAACAAAGAAATTGGTAGGG	GTCAGTTTGACCCGACTGTTAATTT	MONCS2181
DPL0778	AGGAACACCACAGTGAAAGGATAC	GGCTTCCATACACATTTGAGAGAG	MONCS2182
DPL0779	AATTTAAACTGCTCTGACCACCTC	GGACATGCCTAATCCTATGAGTTC	N/A
DPL0780	AGGCCAAAGTATCAACAGCTAGAC	ACAGACTTTAACTGTCTTGGGAGTG	N/A
DPL0782	AATCTCTTCCCATCTTGGTTTAGG	TATAAGCAAGCCAAGTGCCATAAG	MONCS2183
DPL0783	GCAATTAATGGAGTCTGCTAGGAT	TGGCAGGTTGTCTCACTATTTCTA	MONCS2184
DPL0785	ACTAATATCATTGCTAGGGTCCACA	GAACTCCAGTTCCCACAAGAAA	MONCS2185
DPL0786	ATGATCTCAAAGGTCTCTTCCAAC	ACACCTCATGACTAACGAAACCAT	N/A
DPL0787	AATAAGGATGCCTTGTTAGACTCG	CTAGTAGGCATCATTCCAAACACA	MONCS2186
DPL0788	CTACACTAAGGGCACTAGATCCAAA	CTCGACTCGACTTGAGTTTCATTT	MONCS2187
DPL0789	AATCACACAGAGCCAAAGATTAGAC	GACAAGAAAGTTGTCGGAGTACCT	N/A
DPL0790	ACAATGGCGGATTGGATTC	TTCCAAGTGTCACCCTCTCAC	N/A
DPL0791	GTGTTTAAGAGGAGACTGGGTGAG	ACAGCGCTAGAGGATAGATACCTG	N/A
DPL0793	CCAACAGCATAGATTGAAAGGAC	CTATGAATTCTAGGCTCACTCTCTCC	MONCS2188
DPL0794	GGGTAAGTCGTGGTCAAATTCTT	GAGGCATTCCTCATTATTTCTGTC	MONCS2189

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0795	ACCACTGGCTGACCCATAAA	GAACTTTGCCTATGTTATTACCCG	MONCS2190
DPL0796	CTTGAAATTCCTCAAAGGATAGGG	GTAGGACCTCCATTAAAGAACACG	MONCS2191
DPL0797	ATTCAGCCTGTTGGGCTACTT	CAACCCAAATCCACTTAACCTACA	MONCS2192
DPL0798	AGTGTTGTGCCAAGGAAGAATC	AGAGGGAGGAACGTAGATAGAGGT	MONCS2193
DPL0801	CCTCCTGAAGAGATGATTCGTACT	TCCACGCTGAAACAAATTAACC	MONCS2194
DPL0802	AGAGGTTCGGAGAGGTTCAGAG	GGATGATAGGTTGGATGAGATGAT	N/A
DPL0803	CTTTCCTCCACAGACTCAAACTG	GACCCTAATCCTGATTTCACTGAC	MONCS2195
DPL0804	AGAACTGTAGAAATGCCCTTCATC	GCTAAAGTTCGCCCTTGTAAGATA	MONCS2196
DPL0805	CATCAAACAGCCAAACACCTAA	TGGCAGAAGGTTATAGAGGAAGAG	N/A
DPL0806	AGGAGATGGAGAATGAGAATGAGA	CTCCTGACCCTCCTTCTTCTG	N/A
DPL0808	TCCTCCTCCTGTACCTGCAC	GGAGGAGAAGGAGGCATAAGTG	MONCS2197
DPL0809	GTTGTTACTTAACACAGATCACCCTTC	AGGTTGGACTCAATGATCTCAAAG	N/A
DPL0811	CCGCTAGGCTTGAGTAAGAATAGA	GGCTGTCTTTGTTGTTGTGAGTTA	MONCS2198
DPL0812	GCAATAGCAAAGGGAGTAGGAATA	TTAAAGCAAGACCTGGGATCTCT	N/A
DPL0813	GGTGTCTTCCAACCTAGTTGATTC	GGCTCCTCTTTCTCAAACTAAACA	N/A
DPL0814	ACGATGATCTTGAAGGTCTCTTTC	TGTTCATGTGGTGAGTCTTCTTCT	N/A
DPL0815	AGAAGAGGAGGTGGAATGGG	ACTTCTCTTCCAACCTTAATCATCC	MONCS2199
DPL0816	AGTTGAGAGAGGTGCAATACTACCA	GCAAACATGTGAGAACAGCAATAC	N/A
DPL0817	GTGAAGTATATTGAAGTGGAGCCC	CGTCCATACATCATTAGATAGCCA	MONCS2200
DPL0818	CCAGGTCTGAGTTTACCAGAGG	GGATAGCAGATCGCAGTACAAGAT	N/A
DPL0819	GAAGTAACCTCTTCCTCTTCCCTG	CCACACTGGGTTTATATATTTAGCG	N/A
DPL0820	TTATCCTGTCCACATCACTTATGC	AATAACCACTGATAGTAGGTGGCAA	MONCS2201
DPL0821	TGGACCAATGATAGGATAGGATAGG	TCCACATACACTTTCTTCATCACC	MONCS2202
DPL0822	AGACTGCAGTACAAGTCTGTGGAG	AAAGGGACGACAGGTTAGAATAGG	N/A
DPL0824	CCATATTCTCTGGGTGCTCAGTTA	CAGCATCAAACAGTTCTCAATGG	N/A
DPL0825	CTCTTCTGTGAGAAAGCTTCTGGA	CAGCAGGGAATTTCCTCAAA	N/A
DPL0826	ATTCTGGCATTCCTGTGAGG	CGCATTCAATAGCAAAGTGAGTAG	N/A
DPL0827	CAGACTCGTCTGTCATTTGTGGTA	GGATACATTCAAACTCCATCAGGA	N/A
DPL0828	GAAGGTCTCTTCCAACCTGATCT	CCCAGGACATCAGAGAATTGTAA	N/A
DPL0829	CAACCCAGAACTTACTCTGAACC	GCTTTACTCAGCCAGCCAAC	MONCS2203
DPL0830	AGATGCTTTGGGCAGAGAAG	AAGACCTTGGTCCTTGGGAT	MONCS2204
DPL0831	CAAATTTCCACGTCATCACT	TTCGGGTCGTCTGTTTCATT	MONCS2205
DPL0832	ATCACCAGGGCCACTACAAC	GGATAGAGAATAGGACAGAATAGGA	MONCS2206
DPL0833	TGGCTTTACTTTCTCCATCA	GACACAGATCATCATTCCATCA	MONCS2207
DPL0836	AGCGATATCGGTTGGCTAAA	TTGTTCCTCTAAAGCAACTCCA	MONCS2208
DPL0839	GTCGGACGGATTGGGTATAG	GGCTCGGCCAGAGAGAA	MONCS2209
DPL0840	GAGTCGTTGCCGCTGTTTA	GCTACGACTCGATGTTACGG	MONCS2210
DPL0841	TTGCTCATTTCGTGCTTCTG	TGCCCAAACTCAGTACATGC	MONCS2211
DPL0842	AGCATTCCATAACTCGAGCC	TTGTGATACCTAAGTGTGTTCTGC	MONCS2212
DPL0843	GCACCTTTATCAGTAACGGCA	CTCCAATCGGGTATTGTTCC	MONCS2213
DPL0844	CCCAAGGTTATCTCTTGCTTCA	TTCGGACAATGTCTTTGGTG	MONCS2214
DPL0845	GCGCTTTGAGGAATTTGTTT	AAACGATGAAGCAGGAAGACT	MONCS2215
DPL0846	GGCTAGGGTTTGGAGGAAA	ACAAGGGCTGAACACAATCC	MONCS2216
DPL0848	AACCCAACCATCTTCACTGC	TTGGTTTCCGATAGCCATAA	MONCS2217
DPL0849	CTCCCTTTGTAAGTGTTTGATG	CCGCTGGTTTAATCGTCATT	MONCS2218
DPL0851	TCCGTAAAGTCCGGTAATGC	AGCAACACAACATGAGTCCAA	MONCS2219
DPL0852	GTTCCAAATCAATCTCGTGT	GGCTGTTACAGATCAAACTCCC	MONCS2220
DPL0853	AGGTGGTGGCTGAGTGGTAG	AACAAGCCCACACCACA	MONCS2221

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0855	CATCACCTTTCACACCTCAAA	GACGGATGAAATAAGCATGGA	MONCS2222
DPL0858	GAAACATGCTTTCACCTTCACA	CTGCTGGATGAATGGCAAAT	MONCS2223
DPL0859	GTTGCCCGAATTGTTTATCC	CAGCGGTCATTCTTTGGATT	MONCS2224
DPL0860	TGAGGAGTCTGGTGTGCAAG	TCTCCCTACCTATCTCCCTACC	MONCS2225
DPL0861	GGATTGGAGAAACAAAGAGAAG	CAGCGAGAGATCACCATCAA	MONCS2226
DPL0862	AAAGGCCAAGCACTTCAAA	TGGACTGCTGCCTTTAATGTT	MONCS2227
DPL0863	ACGCCTTGGTTTGCTTCTAC	TCGGCGATCAAATACTAACTTG	MONCS2228
DPL0864	TCAGCAGCATCAATATCCAA	GGATGAAGTGCTTCCTGAAA	MONCS2229
DPL0865	ATATTCATGCCTCTGCAGCC	CACAGAGCCAGAGAAACAGG	MONCS2230
DPL0867	CCCAAACAACCACTTTCTCTC	CAAACTTGAAAGGGTGAGGG	MONCS2231
DPL0869	AGCTTAGCGATGCTAGGAAA	GTGTGTAAAGTGATAATGTGGTGG	MONCS2232
DPL0870	TCAATACTCCCTCTGGGTGG	GGGAATATTGCCAGTTACGAA	MONCS2233
DPL0872	TTGATTAGGCCGAGGG	TCTGGGTGCTATGGTCATCA	MONCS2234
DPL0873	GCACGTTTACAACTTAAGACTGG	GCTAAACCTAGCCGATGCAG	MONCS2235
DPL0876	TTTGCCGAATAAACTCCCAC	GCCAACTCTCGACAAAGAGC	MONCS2236
DPL0877	GTCGTCACAGGTCCTTGCTT	GCGCAGTGAAGTATATCCAAA	MONCS2237
DPL0878	TCAGAAAGCATGACAATGGG	TACGTTGCCTTGCCTTTACC	MONCS2238
DPL0880	ATGGTGACCCTCTTGCGATA	ATGCGAGTGCATACCTCCTC	MONCS2239
DPL0881	TTTCTACCGTTCAGCGTTTC	GCACAGGAGGAAACAGAAGC	MONCS2240
DPL0882	CGACGGCGTTTAAGATTCTG	GCAATTCCTCTCTCACGCTC	MONCS2241
DPL0883	CATTGAAGGGACATAGGAAA	GCGTGGCAAATATCTTGATTG	MONCS2242
DPL0886	GGTTCCAGAGATGACGTGGT	GGTTCAACTCGGTTCGTCAA	MONCS2243
DPL0888	TGAACCAGGCCAATATCACA	ACCCACACATTCGTACTCCC	MONCS2244
DPL0889	GCTTTGCATACATTGTGTTG	CCAAACTCTAACTCCAAATTCC	MONCS2245
DPL0891	CAGTGCTGCTCTGTTGCG	CGGTCTCTCAACACCTCTCC	MONCS2246
DPL0892	AGTTGGACTCGGACCTGA	TCCATGGCTTGAGAAGGAAG	MONCS2247
DPL0893	CCATTCTTAGGTGGGCCTTT	TCCCTTGAACAAACAGGGAC	MONCS2248
DPL0894	CGAGTAGCGTCTCACAAGAAA	ATCCATTGCATTGAGCTTCC	MONCS2249
DPL0896	GCAGCACAAGCACCAA	TGCTGGTGCCGCTGA	MONCS2250
DPL0897	ATCGTACCCAATGGAGGATG	GCTTTCTTTCAGCTCCCTATTT	MONCS2251
DPL0899	CCCGTCGGATTCAAGTAAAC	CAAAGGTGTAAATGCTAATGGC	MONCS2252
DPL0900	CGTAGCCATAGATGTTTCCGA	TGTATTTCAACACATCGCGT	MONCS2253
DPL0902	TGGAGTTCCTAAGAGAACAGTAGT	CACCACTGTCCGCACCTC	MONCS2254
DPL0903	TGCATGTCGACCTAACCAAC	ACACAACATGAACCAAGCAA	MONCS2255
DPL0904	CGGGATGGACATGCAAAT	CTTTCTCCCTCGACAAATTGA	MONCS2256
DPL0905	GCTGTAACTGAGTAAGAACCAACAA	TCAGCAACCATAAACCGTCA	MONCS2257
DPL0906	GACGAACCTCAGTAGAGGCG	CTGCTTAGGTTTCAGCATATTG	MONCS2258
DPL0907	TCGACAAGGGTTATTTCCCA	ATATACGCACCCAAAGGGTT	MONCS2259
DPL0908	TAATGCTTCCACATCGGTGA	TTCCTGCATTCTCCCTATTT	MONCS2260
DPL0909	CCCATGACATCAATCCATTATC	GCAGGCTTACTTGTATCCTCA	MONCS2261
DPL0911	ACAGGTGACGATTCCTGGAG	ATCTACACCGGTGCGAAGAG	MONCS2262
DPL0912	TTCGTCGGACTTGAGGAGAC	ACACCACCCAACACAACTCA	MONCS2263
DPL0913	TGCATTTCCCTTCTCCTTTG	GGCTGCGATAAACATCACCT	MONCS2264
DPL0914	ACGACAATTCCATCGTGACA	CGCATCTTTGTTTGGTGTTC	MONCS2265
DPL0915	GTGCAAACCAGTTCATCCCT	CCTGTTAACCACAGAATTTAGC	MONCS2266
DPL0916	GCAGATGAGATGGATGGGAA	ATGTCCCAACTCCCAACAGT	MONCS2267
DPL0917	GTTGCTGAGGAATGGGAAGA	TGTGCAATTTGTGACCACCT	MONCS2268
DPL0918	AGTTTGGCACGAACTTGAAA	ACGGCCAACACAAGATTCTC	MONCS2269

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
DPL0919	TGTAGCACTCAGGGAACTGC	ATGATTGCACCAACCTACCA	MONCS2270
DPL0920	TCAACTCCATCATGACCTTT	GGGTCCCTAGCAAAGGTAGC	MONCS2271
DPL0921	CACGTGCAACTGAAATCTGA	ATCTGGTTTGTTGCAGGACC	MONCS2272
DPL0922	TCTGGGTGGCAATACACTCA	GGAATTTCCATTCTGCCG	MONCS2273
SHIN-0011	TTTAGGCTTTGCCTTTGGTG	CATTGGTCCTGGCCGTTTA	BF270098
SHIN-0026	TAGTCTACGCGACCTCCCTC	ATGAGCCCATTGCTTAGCTG	BF270284
SHIN-0027	TTGAAGCAGCTGTTGGAAGA	GTCCAAGTCAGGAGACCAGC	AW187936
SHIN-0029	AAGGAAATCAGCTGCTCTGAA	GGGAAGGCTCATCCTCTTTC	BQ404819
SHIN-0050	GATGCACCCACCATTTCC	AATTTACCAAACCTCAACCC	BF270635
SHIN-0053	ACCCAGCAGCAGTAACATCC	TGGGTGGATTAATGTAGCAGTG	GA__Ea0010D01r
SHIN-0059	GTACGCTTAGGCTGCGTACC	CACGAACGTAAACCCAAAGG	BE052036
SHIN-0060	TGTGCCAAGTTCACACTTCA	GGAGGTCCTCGTTCTGGATA	AJ514141
SHIN-0066	CAACCCAACACGATCCTAGA	GTGTGGGTTTGGGTGTGTG	AJ514222
SHIN-0069	GTTGAGGAACTGGGCACAAC	AACAAGTCCACCCATTCAGC	GA__Ea0002L05r
SHIN-0071	TGTTCGATTTCCATTCCACA	TATCGGTCAGGCTATCGGAC	AI727625
SHIN-0074	AGCGTTCCATTTCGCCTACT	AGGCCCAGATGTAGGGCATA	AI055002
SHIN-0080	GTTCCCTCAGCAGCAGTTTC	CTCAGCTCCTCCATCACTCC	AI729014
SHIN-0082	CGTCTGCACAGGACAGAAGT	CCAGTGGTCTTCTGTTGGAAA	GA__Ea0023O22r
SHIN-0087	GGCTCTTACGGTGGTTGAAG	CGGTTCAAATCAATCAACCC	AI055297
SHIN-0094	TCAGGAAAGCGTCAAAGGAT	CTGCCTAATGAGCTTGAGCC	AI055351
SHIN-0095	GACCTGGATATGGCTTCTGC	ACCGCAACAAAGAACAGTGA	U49452
SHIN-0112	GGTCATGTTTAAGAGGGCTTG	CCGGCAGTGAATGTATACGAC	AI055489
SHIN-0152	GACGGTGTCGGACCTTTCTA	GCCACCTCAACACCATCTTT	AI729417
SHIN-0153	TCATGCTTTGTTTCGCTGTC	GCAAGCAGAACCTAGATCCAA	AW587465
SHIN-0154	GGGAATCTCATCAACAACCC	CAGTCATTTGGGCACTCCTAA	AI055556
SHIN-0156	TCTACTTGACCTTGATGCCC	CATCAAGGAGTGCTGTTGGA	AI055588
SHIN-0219	CAAACACCGTTTCAAGCTCA	TACGGCAGAAATTGTCACGA	AI055717
SHIN-0222	TTTATTAATGGCGGCTGCTT	GCTGCTGTGAGTGTTTGCAT	AI729661
SHIN-0224	TCCAAGGAGACTTCTGAGCC	CCAGTAAGCCCACTACCCAA	BE054201
SHIN-0226	CATCTCCCACAACAGACCCT	CTTGTGGTGCTGAACTTGGA	M73752
SHIN-0235	AATTGCATTTGCCCGTACA	GACTGACTGGTGAAGCCCAT	BQ410056
SHIN-0236	CAGACAGACCCGCCC	CGAAATGAGTGTGTACTATCTCCC	AW726216.155_214
SHIN-0256	TGATGGATTTAGTCCTTACACC	GACTTAGAATGACCCAGTTGAA	BH022584
SHIN-0263	TATGAAGCAGCATCAGCAGC	CAAGGGAAGGAGTCGTTCAG	AI731609
SHIN-0267	GTTGAGTGTCGAGCTCATGC	TGCAAATGCACTCTGGTCTC	GA__Ea0006F23r
SHIN-0269	GCGCGTCATAACAGATACGTC	CTCGCGTGTGTGCTCG	GA__Ea0031D16r
SHIN-0270	GCCGTTTATTATCGGCCTTT	CAACCCAATCAAGCTTGTCA	BH022876
SHIN-0271	GCAAGAACCCTCAACTTTAACC	TTGGTGCATCTGCAGAGATT	BM358158
SHIN-0272	CCACAAGCAGAGCCTTTACC	AACGTGCTTACCCAAACAGG	AI731882
SHIN-0274	CCATAGAACCATTCACGACG	TTTCGTTCCCTCCTTTCTTC	GH_MBb0006J04r
SHIN-0275	ACGAGCGGCCACGAA	GGAAGGTGGTGCAGTGATTT	BF269115
SHIN-0276	TACTGGACAGCATCAGCAGC	TCAAATTCACACAGCCCTGA	BH022957
SHIN-0277	CATTTCCTCCTTCTCCACCA	TTGATTTACCTGTTTCCGCC	AW186834
SHIN-0278	CGACAGCGAGTGTGAAACAT	TGTATGAAGGTGGGTTGGGT	AI731904
SHIN-0279	TTACCGAAAGGAAGCAGAGC	GCGGCATAAGGTTCTCGTAA	BM358228
SHIN-0281	CTGGCATAAGCACGAGGATT	ACGTAACTTCCTGCCACCAC	BH022980
SHIN-0291	TCAAGGCCACTTTCCATTTC	GTTCCCAACCGAAAGAACAA	AW186919
SHIN-0296	CCGCGTCGACCGAAA	TGAGCATGTGAAGCAAGGTC	AI726130

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
SHIN-0299	TGCGGTCACTTATGTGGGT	AAGACCAAGCGACAGCAGAT	AW728773.173_228
SHIN-0300	GCACGAGGTTTGGTGTTCTC	ACGACAATTCCATCGTGACA	GH__Ea0006O06f
SHIN-0302	GGCTTCTCCTCCTTTAAGTTTGA	GCATATGCCTTTGGTCCACT	BF269648
SHIN-0312	GCTAGATAAATCACAACCATCC	GATGGGTTCGAAGGAGTTGA	AJ513190
SHIN-0316	TTGAATCTAGGGATTTGCGG	TGGCGACTGAACAACAAAGA	AI726568
SHIN-0320	GGTTTGGATGCACAACAACA	GGTTTAATCTTGTACGTGCCC	BG443964
SHIN-0322	TCAACAACTGCAGACAGCAA	GTGGCAGCGGTAACTTGTTT	AW730211
SHIN-0328	GGGAACCAACTGTTACACAC	TGAATGGAATTGCTTGCTTG	AI726699
SHIN-0331	GCATGACATTGGTTGGTCAG	CCATTCTATCGCGCTTTCTC	BM358941
SHIN-0332	ACGAGAATCCAGCGAAGAAA	CTGGTCCTGTTGATGTGGTG	AJ513399
SHIN-0335	ACAGGGTTTGGAGCAGTGAA	GAGGTTGAGCTTCCCATCAG	AI726745
SHIN-0337	CATATTCCAATGCCTGAACATC	CACTAGCTCAAGTGGGTACGG	GA__Ea0026G06r
SHIN-0338	AAATGCAGAGGGACTAGCGA	GGTGATTGTTATGTGTTTGGGA	AJ513413
SHIN-0339	AACATGCAACATCCACCAGA	ATGTCTGCAGATAGGCTGGC	AJ513436
SHIN-0341	CCACCACCACTTGATTCCTT	TTTACCACAGGCGTTTAGGG	AI728005
SHIN-0343	ATTGTCTTGCGTTCCTGGAG	GGACCCATAATGCCTCAGAA	BF271284
SHIN-0346	CGTCTTGACTGTCATGGGTG	AAGGGTCCACTTTCCCAATC	AI728189
SHIN-0347	AAACCCGATATCCTTAGCCTTT	TTCTCGAAGAGGATCATGGG	AI728199
SHIN-0348	GGCAATTATGACCAGGTGCT	AGCAGCACCAACAACATCAA	BQ414418
SHIN-0349	GTCGCCAAGTCATGGAAGAG	CTTTCGGTCTCTGATCCAGC	BQ407215
SHIN-0350	CGATCGAAGAGCATACGTGA	CTGTCTGCTCGTACAGGTGC	AJ513652.649_823
SHIN-0352	GGGCTCCATTACAATTACCAA	AAGCAGCCTTGAGAGATCCA	GA__Ea0033B24r
SHIN-0361	TGAAAGGAAAGACGAGCCAT	GATTCCGAGTCTCGTGGTGT	BQ407429
SHIN-0362	CCCTTTCCTTCATTTCACCTT	CTCTCCCTTTCCCTGGACAT	AI054530
SHIN-0365	CTTCATTTGCCCACTATCTG	TCGAGCTGGTTACCGAAACT	BE053009
SHIN-0367	ATCCCAGAATTCGGCACG	GGCTATTCATGTTCTTATGGAGC	BF278948
SHIN-0368	CACTCACTCACTCACCCACC	TTGCTGTGTGCTTAACAGGG	BQ414752
SHIN-0369	GAGCTTGCCTTCTAGGATCG	TGACGCTTATTGGACTCGTTT	AJ513976
SHIN-0372	AACACCCTTCATGGTCTAGCA	GCCACTGCAGCAGCATATTA	GA__Ea0034A02r
SHIN-0375	AACACATCCATGAGACACACG	GTTGTTTCCTCCTAAGGCCC	GA__Ea0022C13r
SHIN-0376	TCTCCATGTATCCACCCACA	ATAGCGAATGCAGATCGTGA	AI054761
SHIN-0380	AGAAGCGATAAACGGAGCAA	GCCATTAAACCTGGGTCGT	BE053230.1227_1267
SHIN-0382	TGATGATGGGTTCAAGGTGA	TCGCTACTTAGCCATCCGTC	BG440043
SHIN-0384	AAGAGTCGCCACTCACCATT	TTCCTCACAGCAAGAGCAAG	AF336280
SHIN-0388	GCCACCCAGTTTGAGAAAGT	TGAACTGTTGCTGCCTCATC	AI054842
SHIN-0392	TTAAGCTGCAATACCCGTCC	GCGCAATTCTTGCTTGGTTA	AI728828
SHIN-0394	GAGAAGGCTCTGGAGGTCATT	GGTGTGGGCAAACAAGAAGT	GH_MBb0003N13f
SHIN-0395	TGCTTATCCTTCACTTGCCC	CTTGCATGATGAACCACCAG	BG447455
SHIN-0398	CACGAAGAGATACAGCGCAC	TAAGCTCGCGCTTCTTGAAT	BE053424
SHIN-0401	GGATGTGATTGAGGTGTGGA	CCTTCTCTCCCATCTCTCACTTT	BF273369
SHIN-0404	CTCTTCTCAACGATGCCACA	CTATCAGGCAGTTGGTCGGT	X97016
SHIN-0406	ATTCGTTACCCTGGGAGCTT	CAAATTCAGGGTGGTCTGCT	BQ402121
SHIN-0412	GGGTGTAAATAGCAGAAAGAAGC	CCTCTTTGAGGCCAATTGTT	BQ409453
SHIN-0413	TCTCTTCCCTTCTCGTCTGC	CACACTTACTATTCCAGAAATGGG	AW667879
SHIN-0419	TTTGGACTGGGAGCAGTAGG	AAACACCACATCAACCAGCA	AF250207
SHIN-0420	GCACTCAATAGCACCAAGCA	CCTTGCACAACTTCCCATTT	AY116167
SHIN-0421	TAAGGGTCAGCCCATCAAAG	CGAGACATAGCAGCAGTGGA	BF275003
SHIN-0422	AACTGAAACAGCCAACAGGG	TGGAAACGTGTTTGTAGGCA	BQ409658

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
SHIN-0424	GGCGATGATGGAGAAAGAAG	CCCTGTTGCTTTCCTCTCTG	BE055260
SHIN-0426	GGTTCATTTCGTCAACAACCA	CTTTGGGAAGCAGTGACAAA	BQ409749
SHIN-0436	CTGATGCATTTGATAGGACACA	ATTCGGCCTTCACCCTTACT	BH023138
SHIN-0439	TGGCTCTAGAAACAACTCCTAA	GAGAATATCATTCTGGCCGC	BH021902
SHIN-0444	GGGCGGAGGAGTTTCTAGTT	TGAATGCAGAGGTGATGAGG	AI730984
SHIN-0447	GAATTGATGGTACTCGAAGGG	CGGTTTGAAGAGAGCACAGTC	AW187169
SHIN-0448	TTCGAGTTCGGGATTTCATC	TGGCTCTAACACAACCTCCC	BE055619
SHIN-0454	TGAGAGTGAGCAGTTACAAGGG	CAGGACAAGAACCAGCTTCC	AW187338
SHIN-0455	GTCTTGAGCGTGGGAGAGTC	CTGGCCTTGGAGGTCTTTCT	BH023479
SHIN-0461	TTTCTCCTGCTTCATCTTCTTG	TCAGCTTCATGGGAGCAAAT	AW187478
SHIN-0462	CGGGAAGGACCACACATACT	AGAAGATCCATGTGTTTGGG	AI725385
SHIN-0466	CCTAGTTTCGCCCTTGTTTG	GAAGCTTGCAGCGATCATTT	BD227668
SHIN-0597	GAGCGTGTGACTAGGCTGTG	TGTGTTGTGAACTCAGTGCG	AY181254
SHIN-0598	TCAATTTCCGATGATGTAGGG	TCTTCAATCTATAGCTCTCCCA	CA992593
SHIN-0599	CGTGGATAGGATTGGAGGAG	ATGTAATTTCCATGGCCTGC	CA992596
SHIN-0600	TCGATCGAGAGAGCAGAACT	GGGAGGGTTCACAAATCCTT	CA992598
SHIN-0601	ATCCTTGGTGTGTGGATCGT	CAAGGGTGGGATTTCAGAGA	CA992599
SHIN-0607	CTTCTGCACCAGCTCCTTCT	TACTGAAATGGCAGCCAACA	CA992926
SHIN-0608	AATGGGATGAGGATGATTGC	GCAAGAGAAGCCAAACAAGG	CA992931
SHIN-0609	TCTGCGAGAAAGAACTGAAA	GCCACTTATTGCAACTGGCT	CA992959
SHIN-0610	AGCTGATGGTATCGACTGGG	TTGGAAATTCTTATAGGTCGGG	CA993070
SHIN-0612	TGAAGTTGAGTGGATGGATGA	CCAAGCCTAGGAGGAGAAGG	CA993380
SHIN-0613	TAACGAGGGAATTGACCCAC	CCAAGCTTCCTTCGGGTT	CA993455
SHIN-0615	TTTCCTCCGGGATTGGAT	ATTCCTCACAATGGCTCCAG	CA993803
SHIN-0625	TGGATCCACTGGTAACTTTCA	AGGCTTTAGCTGCAACGTGT	CA994272
SHIN-0648	CGGAGATGGTGAAGACCCT	GGGCTTCCTCATCTTCATCTT	CD486331
SHIN-0649	CTCAGAGCCACCCTCTTGAA	CCAAATTCCCTGATTTGCAT	CD486475
SHIN-0651	GCGAGGTAAGCCGATTTATG	GAGCATGAAACGAAACAACG	CD486599
SHIN-0652	GGGAATTCACCCTTGGATTT	TGCTAGGAAGATGCACAAACA	AY632359.34051_34069
SHIN-0654	ATATTCGGCCGTTGTGATCT	GTTACCGGGTTAGGGAAAGC	AY632360.113198_113215
SHIN-0658	GGCACGAGCAAAGTAAATATGA	CTTATGGCGCCTGTGGTATC	AY779340
SHIN-0659	GGTTCTGACGACGGAGGTAA	CCTGGAAGCTAAATCCCAAA	CK640464
SHIN-0660	CGTCACCTGCAGTTATCGTG	AATGCGGTAATCAGCTCCAG	CK640484
SHIN-0661	CAACCATTGCCCTTCAATCT	GCCCTTATGAGGTCAAAGCA	CK640533
SHIN-0685	TCCCAATATCTCTCATCCCG	GTTGTTGTTGCTGCAGTGGT	CO072253
SHIN-0696	CCTGGTGGAACTGGACAATA	TCCAACAAGTACATGCACAGC	CO074291
SHIN-0697	CCTTTGTTGTTGTCTTCAATGG	GAAGCTGACAAAGCATCAACC	CO074342
SHIN-0726	AAGATGCGATTAGAAGGCCC	TTGCCTCTACGTAACCCGTC	CO077581
SHIN-0733	GCTTTGCCTTCGGTTCATT	GGACTTCGCTTTATGAATGCTT	CO078399
SHIN-0745	GCACCGAGTCTCCTATGCTC	GGACCCTCAAACTTGTATTACACT	CO080369
SHIN-0755	CTTTGCATGCGCTTTCATTA	AAATGGGTTTGACAAATGGC	CO082175
SHIN-0780	TACACGGAATGGACCACTGA	CCCATTATTGAGGTTGCTGG	CO085689
SHIN-0783	GGAATCAAGAGAACCAACAACA	CATGCCTGCATCTGCTTAGA	CO085873
SHIN-0790	TCACACCAAGGCTTAGAGGC	TGGCCAGTATGGCAATATCA	CO086638
SHIN-0799	GGGTTTAACGACAGCAATGG	GGCGAGAATGATGACATGC	CO088285
SHIN-0805	GTTGGCGATGGAGTCTTTGT	AGGTTTGGGAACACGAACAG	CO089192
SHIN-0830	ATATAAGCCTCAGGCAGCGA	TTTAGTCGGCAGCATAACCC	CO092661
SHIN-0837	CAGGATCCAACCCTGAGAAA	GGGCAACATTTCTGCTCAGT	CO093430

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
SHIN-0840	CCTCACAAATTACACTACCTTCCC	CCTCCATCTCCACACCATTT	CO093759
SHIN-0852	TTCTGGAAGCATCATTCACCT	GGTAGTGCAGGCTCCAACTT	CO096385
SHIN-0872	ATTCACCGCGTCTGGTAAAC	ATGCGAATGGTTCGGATTAT	CO098377
SHIN-0873	GCACCACAACTACAGCGAAG	ACGACCAACGATACTGGGAA	CO098444
SHIN-0879	GGGACAAGGGATACTTCTTATT	TGCATTGCTGCTGTCAACTT	CO099514
SHIN-0881	TAATGGAGGAAATGGCTTCG	GGTGACGATAGGCATCGAAT	CO099587
SHIN-0885	TTCCCAAGTATATTGCTTAGCC	CTTGCTGTGCTTGCTGGAGT	CO100045
SHIN-0894	CCCTTTCCATTATGCATACTACTGT	ATCATAGCTGATTTCGGGCA	CO101057
SHIN-0936	CAAACGCTCGGCATTA	GGAAGCAAGTAGATTTCGCC	CO107298
SHIN-0940	AGCAGTTTACACCAGGTGAGC	CAGACACGACAACATCACCA	CO107651
SHIN-0987	CACTGTACATTTAACCCTTTCCTTC	TCTCGACCATCATCATCCAA	CO114402
SHIN-0989	TCTACGTGTTGCTTAAAGGGC	AGGGCAGCCTTATCCTGAC	CO114630
SHIN-1005	CTGGCTTCCACTGGCTTTAT	GGAAAGGTCTTCCTCGTTCA	CO115967
SHIN-1025	CATCAGCGTCGCTACAAAGA	AGGCGAAGAGCTGTTGTGAT	CO117839
SHIN-1031	GAAGATAGAACCACTCAACAGAAGA	CCTTCATACGCTGAACCTCC	CO118292
SHIN-1048	TCTTTGCTCATTCAAAGACCG	GCAAGGAGATCATGGTGACA	CO121249
SHIN-1065	CCCACAGCTTCAAACCATTT	TCTGTGACACACCCACCACT	CO123168
SHIN-1066	ATCACCGCCATCGCC	ATGGGAAAGAGCAAATGGTG	CO123291
SHIN-1076	AGAACCATTGCGGGTCATAG	GACCGGTTAGTGGAAATGGA	CO125201
SHIN-1087	TTCAGGCTCAGCTTTGAACA	GGAGAGGTTTGACAATGGGA	CO126363
SHIN-1099	CATGTCGTGTTCATCTCCAAA	CCTTGGAGAAAGGTACCTCAA	CO127835
SHIN-1108	TTATTGCCTCTTCGCTCGAT	CGTCTTGGGACACCGTTATT	CO128708
SHIN-1114	ACCATGTCACCTGCAACCAC	AAGCCAAATGAGTGAGGGTG	CO129743
SHIN-1128	CTTCGGGATCGATTGTCATT	CTACTTGCACCAAGGCAACA	CO132550
SHIN-1131	GCGCTCTCTTACTCTTACCGTC	CCTCCCTCTCAATCCAACCT	CO492281
SHIN-1132	GCTAAACATGTTCGGTTTCTTG	CACGCTGATAACCACCATTG	CO496552
SHIN-1133	GACGACATGAACTTTGGACTCA	AAAGTCTAAATCCTTCCACCACC	AY800006.3314_3331
SHIN-1134	CTTTCAGCCTAGCATTTGGG	TTCCTCACTCCTCCTTCCAA	AY800107.2211_2229
SHIN-1337	CCAGGAAATTGTTGGGAGAA	CCCTCTGCTATGCTAAACCC	CZ891548
SHIN-1338	CCTGCCAAGCCAGAAATAAA	ATTGCAACCTCTGTCTGCCT	CZ891641
SHIN-1339	AAACCCTCCCTACACTCTCTCA	TGAGGATCTGAAACCAACCC	CZ891709
SHIN-1340	GCTTGGCTGGCCTTTACAAT	GAGCTTCAGCCAGCAAGATT	CZ891736
SHIN-1341	TGAAGTCATTCGGCTTTGTCT	AGCGCTTCAAAGTGCTTAAA	CZ891772
SHIN-1342	AACAATTCGGGCAACTCAAG	TGGACAGATCGCATGTCTTC	CZ891820
SHIN-1343	TGGATTTAAGGTGCCTTTGG	CGAAGAGTCCGAAACTTTGAA	CZ891849
SHIN-1344	TTCTAGTCCAAGCCATGCAG	TTGAATTCGGACACGATCAA	CZ891939
SHIN-1345	GATGCATCATCATTCCTTGC	CCTAGTGAAGCTTCTTCTTCTGC	CZ892051
SHIN-1346	CATTAAACCTGCCATTTCCA	CATGGATGGAGGAAATTTGG	CZ892056
SHIN-1369	CTCTACTATAACATGAAGAATGCCC	GGTTTCATTAAACTCAGAAGCTGG	DT049176
SHIN-1377	ACGAATATGGCCCAACAGAA	AGCAGGGAACATTGGAAGTG	DT050714
SHIN-1381	GCAACTCCTTCATCCCTCAA	ACCAGAAGCTGAAGTGGTGG	DT051785
SHIN-1390	TACTCGTCTCTCTTTGCGGC	GGTTGGGTCCAATGGAAGTA	DT455677
SHIN-1391	ATCAAAGGGCTCTGCTTCAA	CAGATCTCAATCATGTGAGGC	DT456404
SHIN-1392	CAGATTGGAAGACCCACCAC	CAAATGGCTTGTCATGATCG	DT456819
SHIN-1393	GCACAGTGCTCGCAGAAGTA	TTTATGCATGACCGTGGAGA	DT457021
SHIN-1395	CATGTTGATGGATGCTGGAT	CACCCAAAGGCCAGCTC	DT457995
SHIN-1396	CCTTCCCACGCGTCC	TTCAGCATTTGAAGCAAGGA	DT458238
SHIN-1397	GGGTTTCAGTTACACTAACCCTT	ATGGCAGCTCTTGCTCTTTG	DT458403

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
SHIN-1398	GACTGGCAATATCTTACCATCCTT	CCATCTTGAAGGTATGGCGT	DT458445
SHIN-1399	TCCCTCCTTTGCTTCTTCTTC	AAACATGAATGATGGTGCGA	DT458516
SHIN-1400	AACAGGGAGGTATTGGGTTCT	CTTGTTTCAAGTTTGTGCCTTG	DT459203
SHIN-1401	GGACCTGGGAGAACATCTGA	TACAAAGCCAGGTCAAAGGG	DT459465
SHIN-1402	CTACCACGCGTCCGCTTT	CCAAAGCCTGAGCTGACTTC	DT459585
SHIN-1403	TAGAGTTTGGAGCAGGCGAT	TTGGAGATGGTACAGAAGATGG	DT459825
SHIN-1404	TGTTAACAGACCAATTTGCCC	GGCTTGTTCTGATTTGGGTT	DT460233
SHIN-1405	AATACAGCATCCCGTTTGGA	GACCTCTAATGAATCTCTGTGAGC	DT460422
SHIN-1406	GGCTGATGAGAACGAAGAGG	CCACCATTCTCTTGTGCCTT	DT460432
SHIN-1408	GTGGTCATGGTCATTTGGTG	TGATTGTGTCTCACCTTGCC	DT460710
SHIN-1409	TGGTCCTTATATGGGCAAGG	GGGAACACATCCTTTCTTCG	DT460726
SHIN-1410	TCGTTAAACATCTCCCTCCG	TGCCATGGTCTACGATCAAA	DT460815
SHIN-1411	ATCTCGCTGTGCTGGCTAAT	ATAATGATGCTGCTGCTGCT	DT461089
SHIN-1412	GAGGCAAAGCAATAAGATGA	TTGAATGAGTCGGCAACATC	DT461297
SHIN-1413	TCATTGATCAGCAAATCCCA	ATGAAGTCTTGATCCCTGGC	DT461637
SHIN-1414	AGTAGCACCGCAAGGAAGAA	CAAGTTCCCATTCTCCTTCAA	DT462872
SHIN-1415	CCTTCGACGTTTGAGTATATCTG	TGAACATAGGAGCTTCGCCT	DT462948
SHIN-1416	TATCCTTCAAATTCCCGCAA	CAGAATCTCCCAAGGGAACA	DT463042
SHIN-1418	GAATTCGCCGAGAAATTGAA	TGTCGGTTTCTTGCACAAAG	DT463566
SHIN-1419	TGATGTCAACATTGGGCTGT	TTCATGTCCACAAATGCAGC	DT463585
SHIN-1420	TGGACCTTTCAAGCTTCTCC	TAGCTTTGGCCCGACTGTAT	DT463609
SHIN-1421	GGCAAGAACAAAGGGACTGA	GGTGATCCACTGCTAGCTCC	DT463724
SHIN-1422	GCAGCAGAAGCAGATGATGA	GATACAGCAGAGGAGGCTGC	DT463852
SHIN-1423	GCGGCCGCCTCTACTT	CCCTTCCTCTTATGGGATTCA	DT463859
SHIN-1424	TTGAGCCCTAAGGCTTTGC	TTTACTATCACGCACACCAATG	DT464005
SHIN-1425	TGTGTGCTTCCCATTTGTGT	TGATCTCCCAAAGCAAGGTT	DT464127
SHIN-1426	GGAGCAGCACAAGGATTAGC	CTTCTATTGCCAGCCCAAAG	DT464200
SHIN-1427	GCCATTGCTCAAAGGATATG	GCAGGACGCATGGACTTATT	DT464416
SHIN-1428	AGGATGAAGGACTGCCACAC	GAACAGGAAACGGACGGTTA	DT464656
SHIN-1429	GGTCTTCAACAACGTCCCAC	TTTGCCTGACTAAACCGTCC	DT464672
SHIN-1430	ACTCCTCGGATGAGGAGGAC	GAAGACCAGTGGCGTCTAGC	DT464678
SHIN-1432	CATGGTGGGTTCTTTGGCT	TCATCACCTCCTGAACCACA	DT464867
SHIN-1433	TGAACAATGATTAGCCTGCC	TGGCCGGTTCAACTGC	DT465140
SHIN-1434	GGCCGCGTCGACTTT	CCTGGAAAGTTTGTGTTGTCTT	DT465274
SHIN-1435	GTTTGTGACCCATCATTCCC	TTTCAAGCTTCGTGCAACTG	DT465364
SHIN-1436	GTGAGGCAAAGAAAGGGAAA	TCCGACTCAGGGTCTGAAAC	DT465382
SHIN-1437	TTGTTTCGTATTGTGCTGGA	ATGCCGAGTATCTGCCATTT	DT465725
SHIN-1438	CGCGTCGACAATTCACACTA	GGGAAGACGAGTGCAAGAAG	DT465732
SHIN-1439	TCCCTCATTAATGCCTTCGT	TCGTATTCATTCACGGATCA	DT465805
SHIN-1440	GCGTTGTTGAAACGACAGAA	GCTTAACACCTCGAGCTTGG	DT465893
SHIN-1441	ACACTTGCAAGCAATCAGGA	GACCGCAAATACAGACGACA	DT465909
SHIN-1442	TTTGACCAAGAAGAGGGCAC	CCTCGTTGTCCTGGAACCTA	DT465993
SHIN-1443	CAACATACTTCGAGACGCCA	AGCCACCTCAAACAATGTCC	DT466023
SHIN-1444	CGACTGACAAACAAGCTCCA	TATTGGCGGTAGTGGTTGGT	DT466180
SHIN-1445	CAGACGTGCATGGTTTGTACTT	AAGCGCCCAATTCAGAGTTA	DT466391
SHIN-1446	GCCGCGTCGACTTAGAATAC	TTCACTGCAGTTGCGGATTA	DT466402
SHIN-1447	CCATGGGCTGAACAACTCTC	ACTGCCTGAGTTGAAGCTGG	DT466490
SHIN-1448	CACGAAGTCCTAGGGACCAA	ATTGGTTTGCTTCTTGGTGG	DT466601

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
SHIN-1450	GGCCGCGTCGACTTT	AATTGGATTGAAGCAAACGC	DT467371
SHIN-1451	AAAGTGAAGGTGCAGGCTAAA	TTCCGTCCTCTTCATCATCC	DT468023
SHIN-1452	TGGCTGTTATGCTTGGAATG	AGGGTACAAGGTTGGCCTTC	DT468149
SHIN-1453	TACTTTGCGTGGCTACAAAT	TACAAGTTTCCCAGCAGCG	DT468173
SHIN-1455	GAGCAACAGCCAAGAAGACC	TGATCGAGCTCCTGCTAGGT	DT468201
SHIN-1456	TCGACCACTCACCAAAGCTA	GCCTTCCATCCATCGAAATA	DT468602
SHIN-1457	GGGAACTGAATGGCAAATTA	TTAAGCAGCACTATGCCACG	DT468688
SHIN-1458	CGCCTTCACCTCTCTTTGTT	GGCAATGGATACGGATATGG	DT468743
SHIN-1459	GGAAAGAATCATCCATCAATCC	GGATAGGACCATTCGTGCAT	DT469027
SHIN-1461	GCCTCACCTCCTTTCCTTTC	TCTCGATCCTCTTGATGGCT	DT526866
SHIN-1462	CTAGAAAGCTCGTGGGATGG	GCACAGATGACGGATATTACAGA	DT527030
SHIN-1463	CGCGAGAAACTAGCTGTGTG	CTTGGCACAGTTCCCAAAGT	DT527238
SHIN-1470	AGGCTAGGGTTTCCGAATGT	GCCGGTTTCGATAAATCAAG	DT544335
SHIN-1479	TCCCTCTTCGTCTCCTTCAA	AGGAAAGAAATCCCAAGCGT	DT545495
SHIN-1481	GCAACCGTAGTGCCTGAGAT	CCCTACTCCGCCCTCTTT	DT545758
SHIN-1484	GCAGCCGCAACTACCATATT	TTCCATGCGCTATGTTGTGT	DT546667
SHIN-1493	ATTCATCTCATTCCACGGCT	CACTCGGCCCATAACTTGAT	DT549412
SHIN-1494	TAACGGAGATGGGTTTCGAC	CACAACCGTCCATTTCCTCT	DT549577
SHIN-1495	AGCCGACGATGGAAATACTG	ACCGAGTTGCTGAAGAGCAT	DT549592
SHIN-1499	CCTTCCTTCTTTAAGCCTTCAC	TCTTGCTTGGCTTCTGGTTT	DT550129
SHIN-1501	TCCATTCCACACTTTGTTGC	AACACTCACTCCCACGCTG	DT550771
SHIN-1504	CATTTCCATGGTGGGTTCTT	TCAACTACCCACTGCACCAA	DT551591
SHIN-1510	GAGGTGGCTCCACTAACAGC	GTTTCCCATTCTTTCGGGAT	DT552713
SHIN-1512	TGGGCTCGGGTTTATTTGTA	GCCCATCAGAAACCCAAA	DT553980
SHIN-1518	GATTGCCATTCGGGTTAGTG	CCAACAGCCATCCTTTGAAT	DT554682
SHIN-1525	GAGCAGAGGCATGGCTATTT	AGCAGAGGAGGGAGGAGAAG	DT555820
SHIN-1530	GGCTTTCATATTGGCACGTAA	CCCAACAGTGAGAAACAAAGC	DT556397
SHIN-1533	GGCAGAATTCAAACATGCAG	ACCTGCTGCTGTTGTTGTTG	DT557021
SHIN-1539	CCCACCAACTCCTGTTTACAA	GTAAGGGTGCTTGGGTGGT	DT558295
SHIN-1544	TCGCATCTAATCTCCTCACTCA	CTGGTGCTGCTATTGGGACT	DT559270
SHIN-1546	CTCTACTTTCAATCCAAGGCG	TTTCATTGGTTGCCATGCTA	DT559909
SHIN-1558	AATGCAAAGCTCGTTGTTGA	TGAGTTTGGCTTTGAAGGCT	DT561834
SHIN-1562	AAGTCATCCCACCTTCCCTC	TGGAGAAGAGAACGGGACAC	DT562519
SHIN-1563	TCACTTTGAACCCATTTCCC	CAACCTCTGGAACCGTTTGT	DT562552
SHIN-1564	TACAAAGAGGAAGGTCCCGC	TACGGGTTTCGTCTTGAACC	DT562565
SHIN-1574	AACGCGAAGAAGTTCTGCAT	TTTGCCCATAAGCATTGACA	DT564534
SHIN-1579	GCCAATTCCCAGACCTTCTT	CAAGCCCTGAAACCATTCTC	DT565754
SHIN-1580	TGGTGCTGATTGAACCTCAG	TGATACAGCGGCGACAGTAG	DT565956
SHIN-1584	CCTTCGTCCTCCTCTTCCTT	TCGTCGTCGTTGTCTTCTTG	DT566665
SHIN-1585	ATTGGCAATTTGACCCACAT	AGTTGCAACCTTCACCGTTC	DT566778
SHIN-1592	TGGAGTCAAGAGAAGCTGTT	ATGTGGTAGTCCGATGGAGC	DT568457
SHIN-1593	AGACTCGCCACCAAAGAGAA	CCATCTTTAGTCTCCTCTCATGC	DT568657
SHIN-1594	CTTCTTCCATTCGTCTTCGC	ACTCAGTGCGGAGTTTGCTT	DT568928
SHIN-1596	CGCAAGGAGTTCGATTCTTC	ATCCCAAGCCATGTGTTAGC	DT569333
SHIN-1598	GAGGAGCTGAAGAATTTGCTG	CAATGCAACCAAACAAGGAA	DT569598
SHIN-1601	ATATTAACCCGACGCAGACG	CCTTGTTGCGTTTGTTGTTG	DT570853
SHIN-1605	CAACAGAGCCTCTCCTGTCC	GTTGAAGGAGAGACGCAAGG	DT571930
SHIN-1612	CCAATGACAGATCTCAAGGTTT	AAGTGCTTCTGCATCACCTG	DT572651

SSR Name	Forward Primer	Reverse Primer	GenBank Acc#
SHIN-1614	GAGACCATGGGTAGGACGAA	TCGTGACAAAGAATGCGGTA	DT572813
SHIN-1615	CCCTCCTCAGACCCTCTCTC	CAGAGGAGGTCGAAATCCAA	DT572969
SHIN-1621	ACCCAACTCCCTCTCTTTGC	TGTTGCTTGTTGGCTGTTGT	DT573891
SHIN-1626	TTGGCAGCTTTGCTAAGGAT	GGTTGGTGATGATTGTATGGG	DT574405
SHIN-1627	GGAGGCTCCTTTGGTGATTA	AACCCTTTCAACCC TTTGCT	DT574410
SHIN-1630	GCAGAAAGGGCAAGACTGAC	CCAGCTCCAATCCTCAACAT	DT574919
SHIN-1632	AGACTCTGTGCTTTCGCCAT	TTCCCGTGTTACAGTCAATCA	DV849489
SHIN-1633	TACTAAATTGGCTGCCGGTC	GGAATAAGCATCCATCCCAA	DV849614
SHIN-1634	ATGGAGCTGAAACTGCTGGT	ATGATGATGACGACGACGAA	TC29032
SHIN-1636	CCGGGTTTGTACTTCCACTG	TGTCCAATACTCATCATCTCCA	TC32603
SHIN-1640	CAGAGATTGCCACCATGCTA	ATCGGCTAGATCGAATCAGA	TC36274

Table 2A. Monsanto SSR markers and public anchor SSR markers assigned to chromosome bins.

Marker Designation	Chromosome Bin [Z]	Source
DPL0526	CH01_01	Monsanto
DC20046	CH01_02	Monsanto
DC40052	CH01_02	Monsanto
SHIN-1397	CH01_02	Monsanto
BNL1693	CH01_03	Public
BNL2440b	CH01_03	Public
CER0013a	CH01_03	Monsanto
CGR5309	CH01_03	Monsanto
CGR5326	CH01_03	Monsanto
CGR5902	CH01_03	Monsanto
CGR6078	CH01_03	Monsanto
CGR6856b	CH01_03	Monsanto
CGR5572	CH01_04	Monsanto
CGR5597	CH01_04	Monsanto
CGR6356	CH01_04	Monsanto
CGR6803a	CH01_04	Monsanto
CGR6857	CH01_04	Monsanto
DPL0003a	CH01_04	Monsanto
DPL0187a	CH01_04	Monsanto
DPL0644a	CH01_04	Monsanto
BNL1350a	CH01_05	Public
BNL2564b	CH01_05	Public
BNL2921	CH01_05	Public
BNL3886b	CH01_05	Public
CGR5144	CH01_05	Monsanto
CGR5486	CH01_05	Monsanto
CGR5579a	CH01_05	Monsanto
CGR5914	CH01_05	Monsanto
CGR6725	CH01_05	Monsanto
COT020	CH01_05	Monsanto
DPL0029b	CH01_05	Monsanto
DPL0687d	CH01_05	Monsanto
JESPR056a	CH01_05	Public
JESPR063b	CH01_05	Public
JESPR063b	CH01_05	Public
JESPR240a	CH01_05	Public
JESPR289	CH01_05	Public
BNL1667a	CH01_06	Public
BNL2599	CH01_06	Public
BNL2827	CH01_06	Public
BNL3085	CH01_06	Public
BNL3090a	CH01_06	Public
BNL3580	CH01_06	Public
BNL3848	CH01_06	Public
BNL3888a	CH01_06	Public
CGR5853	CH01_06	Monsanto
DC20076	CH01_06	Monsanto
DPL0052b	CH01_06	Monsanto
DPL0053a	CH01_06	Monsanto
DPL0090a	CH01_06	Monsanto
DPL0109b	CH01_06	Monsanto
DPL0546b	CH01_06	Monsanto
DPL0653	CH01_06	Monsanto
CGR5064	CH01_07	Monsanto
CGR5889	CH01_07	Monsanto
JESPR243a	CH01_07	Public
CGR5301	CH01_08	Monsanto
CGR5371	CH01_08	Monsanto
CGR5417	CH01_08	Monsanto
CGR5524	CH01_08	Monsanto
CGR5875	CH01_08	Monsanto
BNL0663a	CH02_01	Public
BNL3424	CH02_02	Public
CGR5422	CH02_02	Monsanto
CGR6848	CH02_02	Monsanto
JESPR304	CH02_02	Public
CGR5385	CH02_03	Monsanto
CGR5688	CH02_03	Monsanto

Marker Designation	Chromosome Bin [z]	Source
COT064a	CH02_03	Monsanto
DPL0041b	CH02_03	Monsanto
DPL0200a	CH02_03	Monsanto
DPL0245b	CH02_03	Monsanto
DPL0568	CH02_03	Monsanto
DPL0883a	CH02_03	Monsanto
BNL1887	CH02_04	Public
BNL1897a	CH02_04	Public
BNL2706	CH02_04	Public
BNL3413	CH02_04	Public
BNL3512	CH02_04	Public
BNL3545c	CH02_04	Public
BNL3547	CH02_04	Public
BNL3590a	CH02_04	Public
BNL3971	CH02_04	Public
BNL4060	CH02_04	Public
CGR5029a	CH02_04	Monsanto
CGR5220a	CH02_04	Monsanto
CGR5250	CH02_04	Monsanto
CGR5448a	CH02_04	Monsanto
CGR5571	CH02_04	Monsanto
CGR6382	CH02_04	Monsanto
CGR6729b	CH02_04	Monsanto
CGR6947b	CH02_04	Monsanto
COT043	CH02_04	Monsanto
DC40041b	CH02_04	Monsanto
DC40265	CH02_04	Monsanto
DC40319	CH02_04	Monsanto
DPL0074	CH02_04	Monsanto
DPL0261	CH02_04	Monsanto
JESPR101a	CH02_04	Public
JESPR156a	CH02_04	Public
JESPR179	CH02_04	Public
JESPR227a	CH02_04	Public
BNL1434a	CH02_05	Public
BNL2877	CH02_05	Public
BNL3972	CH02_05	Public
CGR5534	CH02_05	Monsanto
CGR5620	CH03_01	Monsanto
BNL3408a	CH03_02	Public
SHIN-1343b	CH03_02	Monsanto
BNL2443a	CH03_04	Public
BNL3441a	CH03_04	Public
CGR6528	CH03_04	Monsanto
CGR6873b	CH03_04	Monsanto
DPL0095b	CH03_04	Monsanto
DPL0197b	CH03_04	Monsanto
DPL0426b	CH03_04	Monsanto
DPL0592	CH03_04	Monsanto
DPL0609	CH03_04	Monsanto
JESPR191	CH03_04	Public
BNL0226	CH03_05	Public
BNL1379	CH03_05	Public
BNL3441	CH03_05	Public
BNL3989	CH03_05	Public
CER0028	CH03_05	Monsanto
CGR5258	CH03_05	Monsanto
CGR5281a	CH03_05	Monsanto
CGR5557b	CH03_05	Monsanto
CGR5820	CH03_05	Monsanto
CGR5823	CH03_05	Monsanto
CGR6383	CH03_05	Monsanto
CGR6683	CH03_05	Monsanto
DPL0232a	CH03_05	Monsanto
DPL0525b	CH03_05	Monsanto
CGR5382	CH03_06	Monsanto
CGR5996	CH03_06	Monsanto
CGR6874	CH03_06	Monsanto
BNL3267b	CH03_07	Public
BNL3398	CH03_07	Public
DC30041	CH03_07	Monsanto
DPL0170	CH03_07	Monsanto
DPL0744a	CH03_07	Monsanto
DPL0756a	CH03_07	Monsanto
BNL0226b	CH03_08	Public
BNL1080	CH03_08	Public
BNL3034a	CH03_08	Public
BNL3463	CH03_08	Public
BNL4017b	CH03_08	Public
BNL4034	CH03_08	Public
DPL0195b	CH03_08	Monsanto
DPL0268b	CH03_08	Monsanto
SHIN-0659b	CH03_08	Monsanto
DPL0426a	CH03_09	Monsanto
JESPR231a	CH03_09	Public
SHIN-1400	CH03_09	Monsanto
DPL0201a	CH04_01	Monsanto
CER0164	CH04_02	Monsanto
BNL2572	CH04_03	Public
CGR5733b	CH04_03	Monsanto
CGR5859	CH04_03	Monsanto
DC40049a	CH04_03	Monsanto
JESPR223a	CH04_03	Public
BNL0530c	CH04_04	Public
BNL3988	CH04_04	Public
CGR5277b	CH04_04	Monsanto

Marker Designation	Chromosome Bin [Z]	Source
DPL0126a	CH04_04	Monsanto
DPL0562a	CH04_04	Monsanto
BNL1296a	CH04_05	Public
BNL3994a	CH04_05	Public
CGR5173	CH04_05	Monsanto
CGR5252	CH04_05	Monsanto
CGR5498	CH04_05	Monsanto
CGR5526	CH04_05	Monsanto
CGR5812	CH04_05	Monsanto
CGR5819	CH04_05	Monsanto
CGR6108	CH04_05	Monsanto
CGR6357	CH04_05	Monsanto
CGR6743	CH04_05	Monsanto
DPL0107a	CH04_05	Monsanto
BNL1044c	CH04_06	Public
BNL1167	CH04_06	Public
CGR5487	CH04_06	Monsanto
DPL0137a	CH04_06	Monsanto
CGR5667a	CH05_01	Monsanto
BNL1038	CH05_02	Public
BNL2732	CH05_02	Public
CGR5350	CH05_02	Monsanto
CGR5553	CH05_02	Monsanto
BNL3241	CH05_03	Public
BNL3995	CH05_03	Public
BNL4030b	CH05_03	Public
CGR5506	CH05_03	Monsanto
CGR5904	CH05_03	Monsanto
CGR5925	CH05_03	Monsanto
DPL0750	CH05_03	Monsanto
JESPR050a	CH05_03	Public
JESPR065	CH05_03	Public
BNL3348a	CH05_04	Public
CGR5509	CH05_04	Monsanto
CGR6733	CH05_04	Monsanto
CGR6764c	CH05_04	Monsanto
CGR6826a	CH05_04	Monsanto
COT010a	CH05_04	Monsanto
DPL0622	CH05_04	Monsanto
DPL0908a	CH05_04	Monsanto
JESPR042	CH05_04	Public
JESPR241	CH05_04	Public
BNL0542	CH05_05	Public
BNL0542a	CH05_05	Public
CGR5135	CH05_05	Monsanto
CGR5994	CH05_05	Monsanto
CGR6826b	CH05_05	Monsanto
DPL0155a	CH05_05	Monsanto
DPL0155b	CH05_05	Monsanto
DPL0174b	CH05_05	Monsanto
DPL0384	CH05_05	Monsanto
BNL2448	CH05_06	Public
BNL3992	CH05_06	Public
CER0060	CH05_06	Monsanto
CGR6868	CH05_06	Monsanto
DPL0001b	CH05_06	Monsanto
JESPR197	CH05_06	Public
SHIN-1429	CH05_06	Monsanto
CGR5732	CH05_07	Monsanto
DPL0006	CH05_07	Monsanto
DPL0064a	CH05_07	Monsanto
DPL0145b	CH05_07	Monsanto
SHIN-0289c	CH05_07	Monsanto
BNL3029b	CH05_08	Public
BNL3569a	CH05_08	Public
BNL4071b	CH05_08	Public
CGR5091	CH05_08	Monsanto
CGR6247	CH05_08	Monsanto
CGR6756	CH05_08	Monsanto
COT089a	CH05_08	Monsanto
DC40087b	CH05_08	Monsanto
DC40122	CH05_08	Monsanto
DPL0138b	CH05_08	Monsanto
DPL0297b	CH05_08	Monsanto
DPL0305a	CH05_08	Monsanto
DPL0556b	CH05_08	Monsanto
SHIN-1437	CH05_08	Monsanto
BNL1044a	CH05_09	Public
CGR5540	CH05_09	Monsanto
CGR5803	CH05_09	Monsanto
DPL0022	CH05_09	Monsanto
BNL1042	CH05_10	Public
BNL3452a	CH05_10	Public
CGR5590	CH05_10	Monsanto
CGR6708b	CH05_10	Monsanto
DC20067b	CH05_10	Monsanto
DPL0063	CH05_10	Monsanto
DPL0397a	CH05_10	Monsanto
DPL0641	CH05_10	Monsanto
BNL2865a	CH05_11	Public
BNL3400	CH05_11	Public
CER0077	CH06_01	Monsanto
CGR5108	CH06_02	Monsanto
BNL2884	CH06_03	Public
BNL0150b	CH06_04	Public
BNL1044d	CH06_04	Public

Marker Designation	Chromosome Bin [z]	Source
BNL1064	CH06_04	Public
BNL1169b	CH06_04	Public
BNL1440a	CH06_04	Public
BNL3295	CH06_04	Public
BNL3594a	CH06_04	Public
BNL3650	CH06_04	Public
BNL3812	CH06_04	Public
BNL3987	CH06_04	Public
BNL4108	CH06_04	Public
CGR5254	CH06_04	Monsanto
CGR5355	CH06_04	Monsanto
CGR5562	CH06_04	Monsanto
CGR5801	CH06_04	Monsanto
CGR6019	CH06_04	Monsanto
CGR6814	CH06_04	Monsanto
CGR6849	CH06_04	Monsanto
CGR6893	CH06_04	Monsanto
CGR6935	CH06_04	Monsanto
DPL0244a	CH06_04	Monsanto
DPL0257b	CH06_04	Monsanto
DPL0566	CH06_04	Monsanto
DPL0613	CH06_04	Monsanto
DPL0617	CH06_04	Monsanto
DPL0811	CH06_04	Monsanto
DPL0843	CH06_04	Monsanto
JESPR194	CH06_04	Public
BNL1035	CH06_05	Public
BNL1592	CH06_05	Public
COT002	CH06_05	Monsanto
DPL0124a	CH06_05	Monsanto
DPL0173a	CH06_05	Monsanto
DPL0375b	CH06_05	Monsanto
DPL0546a	CH06_05	Monsanto
DPL0702b	CH06_05	Monsanto
BNL0584a	CH06_06	Public
BNL0827a	CH06_06	Public
BNL2569	CH06_06	Public
BNL3359	CH06_06	Public
CGR5651	CH06_06	Monsanto
BNL1076	CH06_07	Public
DPL0059a	CH06_07	Monsanto
JESPR119	CH06_07	Public
CGR5138	CH07_01	Monsanto
CGR5879	CH07_01	Monsanto
DC20036	CH07_01	Monsanto
DPL0492b	CH07_01	Monsanto
BNL1026	CH07_02	Public
BNL1026a	CH07_02	Public
BNL1122a	CH07_02	Public
BNL1395c	CH07_02	Public
BNL1604a	CH07_02	Public
BNL2733	CH07_02	Public
CGR5277a	CH07_02	Monsanto
CGR5705	CH07_02	Monsanto
CGR5880	CH07_02	Monsanto
CGR6764b	CH07_02	Monsanto
CGR6815	CH07_02	Monsanto
COT104a	CH07_02	Monsanto
DC40182	CH07_02	Monsanto
DC40233a	CH07_02	Monsanto
DC40255	CH07_02	Monsanto
DPL0852	CH07_02	Monsanto
BNL0580a	CH07_03	Public
BNL1694b	CH07_03	Public
BNL3319a	CH07_03	Public
CGR5568	CH07_03	Monsanto
CGR5691	CH07_03	Monsanto
CGR6061	CH07_03	Monsanto
CGR6686b	CH07_03	Monsanto
CGR6819b	CH07_03	Monsanto
COT076	CH07_03	Monsanto
DC40191	CH07_03	Monsanto
DPL0013d	CH07_03	Monsanto
DPL0167b	CH07_03	Monsanto
JESPR012	CH07_03	Public
JESPR228a	CH07_03	Public
BNL0343	CH07_04	Public
BNL1531b	CH07_04	Public
BNL1746	CH07_04	Public
BNL2634a	CH07_04	Public
BNL3250	CH07_04	Public
BNL3793a	CH07_04	Public
CGR5376	CH07_04	Monsanto
CGR5828a	CH07_04	Monsanto
CGR6381	CH07_04	Monsanto
DC20124a	CH07_04	Monsanto
DC30046	CH07_04	Monsanto
SHIN-0376a	CH07_04	Monsanto
SHIN-1405a	CH07_04	Monsanto
CGR5001	CH07_05	Monsanto
CGR5175	CH07_05	Monsanto
CGR5288	CH07_05	Monsanto
CGR5372	CH07_05	Monsanto
CGR6512	CH07_05	Monsanto
CGR6586	CH07_05	Monsanto
CGR6894a	CH07_05	Monsanto

Marker Designation	Chromosome Bin [Z]	Source
CGR5119	CH07_06	Monsanto
CGR5181a	CH07_06	Monsanto
CGR5396b	CH07_06	Monsanto
CGR5521	CH08_01	Monsanto
CGR6776	CH08_01	Monsanto
JESPR232	CH08_01	Public
CGR6764a	CH08_02	Monsanto
JESPR157a	CH08_02	Public
BNL3556a	CH08_03	Public
CGR5172	CH08_03	Monsanto
DC40404b	CH08_03	Monsanto
JESPR066	CH08_03	Public
BNL1044b	CH08_04	Public
BNL2961a	CH08_04	Public
BNL3255	CH08_04	Public
COT065	CH08_04	Monsanto
DPL0031a	CH08_04	Monsanto
DPL0214a	CH08_04	Monsanto
DPL0488c	CH08_04	Monsanto
DPL0760	CH08_04	Monsanto
DPL0861	CH08_04	Monsanto
JESPR035	CH08_04	Public
JESPR039	CH08_04	Public
JESPR046	CH08_04	Public
SHIN-0352a	CH08_04	Monsanto
SHIN-0426b	CH08_04	Monsanto
BNL2993	CH08_05	Public
CGR5311	CH08_05	Monsanto
CGR5363	CH08_05	Monsanto
SHIN-1435a	CH08_05	Monsanto
BNL0387b	CH08_06	Public
BNL1017a	CH08_06	Public
BNL1664b	CH08_06	Public
BNL2538	CH08_06	Public
BNL3257	CH08_06	Public
BNL3474	CH08_06	Public
BNL3534b	CH08_06	Public
BNL3658a	CH08_06	Public
BNL3792	CH08_06	Public
BNL3800	CH08_06	Public
CGR5161	CH08_06	Monsanto
CGR5537	CH08_06	Monsanto
CGR5647	CH08_06	Monsanto
CGR5837a	CH08_06	Monsanto
CGR6103	CH08_06	Monsanto
CGR6496	CH08_06	Monsanto
CGR6775	CH08_06	Monsanto
CGR6797	CH08_06	Monsanto
CGR6810	CH08_06	Monsanto
COT035	CH08_06	Monsanto
DC40108a	CH08_06	Monsanto
DC40127b	CH08_06	Monsanto
DPL0133a	CH08_06	Monsanto
DPL0839	CH08_06	Monsanto
DPL0877b	CH08_06	Monsanto
CGR6748	CH08_07	Monsanto
COT142	CH08_07	Monsanto
DPL0111b	CH08_07	Monsanto
DPL0154b	CH08_07	Monsanto
DPL0862b	CH08_07	Monsanto
BNL3627a	CH08_08	Public
CGR5515	CH08_09	Monsanto
DPL0749	CH08_09	Monsanto
JESPR291a	CH08_10	Public
BNL0597a	CH09_01	Public
BNL3173a	CH09_01	Public
BNL4053	CH09_01	Public
JESPR095a	CH09_01	Public
BNL2590b	CH09_02	Public
CGR5443	CH09_02	Monsanto
CGR6572	CH09_02	Monsanto
CGR6806	CH09_02	Monsanto
DC40129b	CH09_02	Monsanto
DC40134	CH09_02	Monsanto
DPL0524a	CH09_02	Monsanto
SHIN-0050a	CH09_02	Monsanto
BNL0219	CH09_03	Public
BNL1030a	CH09_03	Public
BNL1043	CH09_03	Public
BNL1414a	CH09_03	Public
CGR5474	CH09_03	Monsanto
CGR5707	CH09_03	Monsanto
DPL0044a	CH09_03	Monsanto
JESPR208a	CH09_03	Public
JESPR290	CH09_03	Public
BNL1317a	CH09_04	Public
BNL2847	CH09_04	Public
BNL3140a	CH09_04	Public
BNL3582	CH09_04	Public
CGR5110	CH09_04	Monsanto
CGR5758	CH09_04	Monsanto
CGR5769	CH09_04	Monsanto
CGR5790	CH09_04	Monsanto
CGR5867b	CH09_04	Monsanto
CGR6072	CH09_04	Monsanto
CGR6252a	CH09_04	Monsanto

Marker Designation	Chromosome Bin [z]	Source
CGR6692b	CH09_04	Monsanto
CGR6699	CH09_04	Monsanto
CGR6921	CH09_04	Monsanto
CGR6943	CH09_04	Monsanto
CGR6949b	CH09_04	Monsanto
DC30213a	CH09_04	Monsanto
DPL0745b	CH09_04	Monsanto
JESPR248a	CH09_04	Public
BNL1515	CH09_05	Public
BNL1672a	CH09_05	Public
BNL3031a	CH09_05	Public
BNL3410a	CH09_05	Public
CGR5031	CH09_05	Monsanto
CGR5222	CH09_05	Monsanto
DC40407b	CH09_05	Monsanto
DPL0093a	CH09_05	Monsanto
BNL3779a	CH09_06	Public
CGR5848	CH09_06	Monsanto
BNL1162	CH09_07	Public
BNL1423	CH09_07	Public
BNL3626	CH09_07	Public
BNL3874	CH09_07	Public
CGR5535	CH09_07	Monsanto
CGR5833	CH09_07	Monsanto
CGR6762	CH09_07	Monsanto
DPL0298	CH09_07	Monsanto
DPL0356a	CH09_07	Monsanto
DPL0687a	CH09_07	Monsanto
DPL0783a	CH09_07	Monsanto
JESPR247a	CH09_07	Public
JESPR274a	CH09_07	Public
BNL1670	CH09_08	Public
BNL1707a	CH09_08	Public
DC40233b	CH09_08	Monsanto
BNL0686a	CH09_09	Public
DC40041a	CH09_09	Monsanto
CGR5349	CH10_01	Monsanto
COT119b	CH10_02	Monsanto
DC20027	CH10_02	Monsanto
DPL0831	CH10_02	Monsanto
BNL2960	CH10_03	Public
BNL3071b	CH10_03	Public
BNL3563a	CH10_03	Public
BNL3790	CH10_03	Public
CGR5416	CH10_03	Monsanto
CGR6818	CH10_03	Monsanto
DPL0422	CH10_03	Monsanto
DPL0525a	CH10_03	Monsanto
DPL0687b	CH10_03	Monsanto
BNL1161	CH10_04	Public
BNL1161a	CH10_04	Public
BNL1669a	CH10_04	Public
BNL2705	CH10_04	Public
BNL2872	CH10_04	Public
BNL3895	CH10_04	Public
CGR5624	CH10_04	Monsanto
CGR5873	CH10_04	Monsanto
DC40108b	CH10_04	Monsanto
DPL0468	CH10_04	Monsanto
JESPR006a	CH10_04	Public
BNL1665	CH10_05	Public
CER0063	CH10_05	Monsanto
CGR5717	CH10_05	Monsanto
CGR5735	CH10_05	Monsanto
DPL0108c	CH10_05	Monsanto
DPL0707a	CH10_05	Monsanto
DPL0738	CH10_05	Monsanto
BNL2524	CH10_06	Public
BNL2641	CH10_06	Public
BNL3499	CH10_06	Public
CGR6546	CH10_06	Monsanto
DC40188	CH10_06	Monsanto
DPL0037b	CH10_06	Monsanto
JESPR261	CH10_06	Public
BNL0148	CH10_07	Public
BNL0256	CH10_07	Public
CGR5406	CH10_07	Monsanto
CGR6745	CH10_07	Monsanto
DPL0149a	CH10_07	Monsanto
DPL0394b	CH10_07	Monsanto
CGR5399b	CH10_08	Monsanto
CGR5565b	CH10_08	Monsanto
DPL0533	CH10_08	Monsanto
CGR5113a	CH11_01	Monsanto
CGR5421a	CH11_01	Monsanto
CGR6766	CH11_01	Monsanto
DPL0522a	CH11_01	Monsanto
BNL3442a	CH11_02	Public
CGR5578a	CH11_02	Monsanto
CGR6697a	CH11_02	Monsanto
DPL0863a	CH11_02	Monsanto
BNL1034b	CH11_03	Public
BNL1151	CH11_03	Public
BNL3147a	CH11_03	Public
BNL3411	CH11_03	Public
BNL3431	CH11_03	Public

Marker Designation	Chromosome Bin [Z]	Source
CGR5196	CH11_03	Monsanto
CGR5354	CH11_03	Monsanto
BNL1404	CH11_04	Public
BNL1681	CH11_04	Public
BNL2812b	CH11_04	Public
CER0035	CH11_04	Monsanto
CGR5689	CH11_04	Monsanto
CGR6016	CH11_04	Monsanto
DC40250b	CH11_04	Monsanto
DPL0412a	CH11_04	Monsanto
JESPR135	CH11_04	Public
SHIN-0224	CH11_04	Monsanto
BNL1689	CH11_05	Public
BNL4094	CH11_05	Public
CGR5829	CH11_05	Monsanto
DPL0065b	CH11_05	Monsanto
DPL0845	CH11_05	Monsanto
JESPR245b	CH11_05	Public
SHIN-1344	CH11_05	Monsanto
BNL0261	CH11_06	Public
BNL0625	CH11_06	Public
BNL1408	CH11_06	Public
BNL1408a	CH11_06	Public
BNL1595	CH11_06	Public
BNL2632	CH11_06	Public
BNL2805	CH11_06	Public
BNL2895b	CH11_06	Public
BNL3282	CH11_06	Public
BNL3592	CH11_06	Public
CGR5112b	CH11_06	Monsanto
CGR5408	CH11_06	Monsanto
CGR5533	CH11_06	Monsanto
CGR5807	CH11_06	Monsanto
CGR5835	CH11_06	Monsanto
CGR6517a	CH11_06	Monsanto
CGR6862	CH11_06	Monsanto
COT003b	CH11_06	Monsanto
DPL0103a	CH11_06	Monsanto
DPL0744b	CH11_06	Monsanto
CGR6270	CH11_07	Monsanto
JESPR008a	CH11_07	Public
JESPR296	CH11_07	Public
BNL0836a	CH11_08	Public
BNL1066a	CH11_08	Public
BNL4011c	CH11_08	Public
BNL1231b	CH11_09	Public
CGR5428	CH11_09	Monsanto
CGR6830	CH11_09	Monsanto
DC40316b	CH11_10	Monsanto
BNL4059	CH12_01	Public
DPL0013a	CH12_01	Monsanto
DPL0363a	CH12_01	Monsanto
DPL0917b	CH12_01	Monsanto
JESPR300a	CH12_01	Public
BNL0598	CH12_02	Public
BNL1045	CH12_02	Public
BNL1679a	CH12_02	Public
BNL3537a	CH12_02	Public
CGR5151	CH12_02	Monsanto
CGR5609	CH12_02	Monsanto
DC20022	CH12_02	Monsanto
DC30107a	CH12_02	Monsanto
DC30183a	CH12_02	Monsanto
DPL0070a	CH12_02	Monsanto
DPL0208c	CH12_02	Monsanto
DPL0400	CH12_02	Monsanto
DPL0531	CH12_02	Monsanto
JESPR121b	CH12_02	Public
BNL0391	CH12_03	Public
BNL1673	CH12_03	Public
BNL1673a	CH12_03	Public
BNL1707b	CH12_03	Public
BNL2709	CH12_03	Public
BNL2717	CH12_03	Public
CER0144	CH12_03	Monsanto
CGR5158	CH12_03	Monsanto
CGR5452	CH12_03	Monsanto
CGR6012	CH12_03	Monsanto
CGR6276	CH12_03	Monsanto
CGR6702b	CH12_03	Monsanto
CGR6707	CH12_03	Monsanto
CGR6742b	CH12_03	Monsanto
DPL0010	CH12_03	Monsanto
DPL0379a	CH12_03	Monsanto
DPL0380a	CH12_03	Monsanto
DPL0565b	CH12_03	Monsanto
BNL0116a	CH12_04	Public
BNL1227a	CH12_04	Public
BNL2967	CH12_04	Public
BNL3835	CH12_04	Public
BNL3867a	CH12_04	Public
BNL3886a	CH12_04	Public
CGR5324	CH12_04	Monsanto
CGR5517	CH12_04	Monsanto
CGR5558b	CH12_04	Monsanto
CGR5787	CH12_04	Monsanto

Marker Designation	Chromosome Bin [z]	Source
CGR5792	CH12_04	Monsanto
CGR6431a	CH12_04	Monsanto
CGR6442	CH12_04	Monsanto
CGR6764d	CH12_04	Monsanto
CGR6844	CH12_04	Monsanto
DPL0011b	CH12_04	Monsanto
DPL0240a	CH12_04	Monsanto
SHIN-1413	CH12_04	Monsanto
BNL1605b	CH12_05	Public
BNL2621a	CH12_05	Public
BNL3261	CH12_05	Public
BNL3599a	CH12_05	Public
CGR5111	CH12_05	Monsanto
CGR5429b	CH12_05	Monsanto
CGR5556	CH12_05	Monsanto
CGR6698b	CH12_05	Monsanto
CGR6778b	CH12_05	Monsanto
DC40087a	CH12_05	Monsanto
DPL0144c	CH12_05	Monsanto
DPL0248a	CH12_05	Monsanto
DPL0480	CH12_05	Monsanto
DPL0644b	CH12_05	Monsanto
JESPR270	CH12_05	Public
BNL2578	CH12_06	Public
CGR5193	CH12_06	Monsanto
CGR5815	CH12_06	Monsanto
JESPR295a	CH12_06	Public
CGR5334	CH12_07	Monsanto
CGR6254b	CH12_07	Monsanto
DPL0057a	CH12_07	Monsanto
BNL3281b	CH13_01	Public
CGR5005	CH13_01	Monsanto
CGR6126	CH13_01	Monsanto
CGR5576b	CH13_02	Monsanto
BNL2667b	CH13_03	Public
BNL4061	CH13_03	Public
CGR5050	CH13_03	Monsanto
CGR5331	CH13_03	Monsanto
CGR5554	CH13_03	Monsanto
DC20067a	CH13_03	Monsanto
DPL0398	CH13_03	Monsanto
SHIN-1462	CH13_03	Monsanto
BNL0569a	CH13_04	Public
CER0145b	CH13_04	Monsanto
DPL0083b	CH13_04	Monsanto
JESPR211b	CH13_04	Public
BNL1438	CH13_05	Public
BNL1747	CH13_05	Public

Marker Designation	Chromosome Bin [z]	Source
BNL2449	CH13_05	Public
BNL2652a	CH13_05	Public
BNL3472	CH13_05	Public
BNL3491	CH13_05	Public
BNL3534a	CH13_05	Public
BNL4029a	CH13_05	Public
CGR5242	CH13_05	Monsanto
CGR5579b	CH13_05	Monsanto
CGR5827a	CH13_05	Monsanto
CGR5861	CH13_05	Monsanto
CGR6359	CH13_05	Monsanto
CGR6436	CH13_05	Monsanto
CGR6732	CH13_05	Monsanto
COT009	CH13_05	Monsanto
COT025	CH13_05	Monsanto
COT056	CH13_05	Monsanto
COT153	CH13_05	Monsanto
DC20120	CH13_05	Monsanto
DC30178	CH13_05	Monsanto
DC40094	CH13_05	Monsanto
DPL0161a	CH13_05	Monsanto
DPL0308a	CH13_05	Monsanto
DPL0864b	CH13_05	Monsanto
JESPR153b	CH13_05	Public
JESPR175	CH13_05	Public
BNL1421	CH13_06	Public
BNL1495	CH13_06	Public
COT003a	CH13_06	Monsanto
DPL0687c	CH13_06	Monsanto
DPL0754	CH13_06	Monsanto
DPL0763	CH13_06	Monsanto
CGR5209	CH13_07	Monsanto
DPL0286a	CH13_07	Monsanto
DPL0894c	CH13_07	Monsanto
BNL0243a	CH13_08	Public
BNL0409	CH13_08	Public
BNL1660	CH13_08	Public
CGR6812	CH13_08	Monsanto
BNL1403a	CH13_09	Public
CGR5670	CH13_09	Monsanto
DPL0201b	CH13_09	Monsanto
BNL0236	CH14_01	Public
CGR5034	CH14_01	Monsanto
BNL3432a	CH14_02	Public
BNL3932	CH14_02	Public
DC40046	CH14_02	Monsanto
SHIN-1411	CH14_02	Monsanto
BNL3259a	CH14_03	Public

Marker Designation	Chromosome Bin [Z]	Source
CGR5557a	CH14_03	Monsanto
CGR5675	CH14_03	Monsanto
JESPR231b	CH14_03	Public
BNL0244	CH14_04	Public
BNL3034	CH14_04	Public
BNL3034b	CH14_04	Public
BNL3533	CH14_04	Public
BNL4017a	CH14_04	Public
CGR5466	CH14_04	Monsanto
CGR5871	CH14_04	Monsanto
DPL0195a	CH14_04	Monsanto
DPL0268a	CH14_04	Monsanto
DPL0390b	CH14_04	Monsanto
DPL0565c	CH14_04	Monsanto
SHIN-0659a	CH14_04	Monsanto
BNL0140	CH14_05	Public
BNL0519	CH14_05	Public
BNL1607	CH14_05	Public
BNL2882	CH14_05	Public
BNL3033	CH14_05	Public
BNL3145	CH14_05	Public
BNL3267a	CH14_05	Public
BNL3502	CH14_05	Public
CGR5030	CH14_05	Monsanto
CGR5220b	CH14_05	Monsanto
CGR5581	CH14_05	Monsanto
CGR5818	CH14_05	Monsanto
CGR6099	CH14_05	Monsanto
CGR6550	CH14_05	Monsanto
CGR6729a	CH14_05	Monsanto
CGR6948	CH14_05	Monsanto
DC40286	CH14_05	Monsanto
JESPR045	CH14_05	Public
JESPR161	CH14_05	Public
JESPR165	CH14_05	Public
JESPR192c	CH14_05	Public
JESPR263	CH14_05	Public
CGR5029b	CH14_06	Monsanto
CGR5033	CH14_06	Monsanto
CGR5448b	CH14_06	Monsanto
CGR5876	CH14_06	Monsanto
CGR6706	CH14_06	Monsanto
JESPR293	CH14_06	Public
SHIN-1501	CH14_06	Monsanto
BNL3661	CH14_07	Public
CGR5090	CH14_07	Monsanto
CGR5544	CH14_07	Monsanto
CGR5668	CH14_07	Monsanto
CGR6801	CH14_07	Monsanto
CGR6841	CH14_07	Monsanto
JESPR156c	CH14_07	Public
BNL0645	CH14_08	Public
BNL3545	CH14_08	Public
BNL3545a	CH14_08	Public
BNL3545b	CH14_08	Public
BNL3644	CH14_08	Public
CGR5182	CH14_08	Monsanto
JESPR156b	CH14_08	Public
BNL2440a	CH15_01	Public
CER0013b	CH15_01	Monsanto
CGR5282	CH15_01	Monsanto
DPL0302	CH15_01	Monsanto
DPL0402	CH15_01	Monsanto
JESPR152	CH15_01	Public
SHIN-1439	CH15_01	Monsanto
BNL1454	CH15_02	Public
BNL2920	CH15_02	Public
CGR5056	CH15_02	Monsanto
CGR6144	CH15_02	Monsanto
CGR6803b	CH15_02	Monsanto
CGR6856a	CH15_02	Monsanto
CGR6889	CH15_02	Monsanto
DPL0182	CH15_02	Monsanto
DPL0542	CH15_02	Monsanto
BNL0162c	CH15_03	Public
BNL1418	CH15_03	Public
BNL1666b	CH15_03	Public
BNL2564a	CH15_03	Public
BNL2646	CH15_03	Public
BNL3652	CH15_03	Public
BNL3902	CH15_03	Public
BNL4080	CH15_03	Public
BNL4082	CH15_03	Public
CGR5236	CH15_03	Monsanto
CGR6084	CH15_03	Monsanto
CGR6407	CH15_03	Monsanto
CGR6482	CH15_03	Monsanto
CGR6688	CH15_03	Monsanto
CGR6719	CH15_03	Monsanto
CGR6807	CH15_03	Monsanto
COT059	CH15_03	Monsanto
COT084	CH15_03	Monsanto
DC40175	CH15_03	Monsanto
DC40281	CH15_03	Monsanto
DPL0003b	CH15_03	Monsanto
DPL0110	CH15_03	Monsanto

Marker Designation	Chromosome Bin [z]	Source
DPL0187b	CH15_03	Monsanto
DPL0467	CH15_03	Monsanto
JESPR063c	CH15_03	Public
JESPR180	CH15_03	Public
JESPR205	CH15_03	Public
JESPR240b	CH15_03	Public
JESPR298c	CH15_03	Public
SHIN-0790	CH15_03	Monsanto
BNL0786b	CH15_04	Public
BNL1350b	CH15_04	Public
BNL1667b	CH15_04	Public
BNL3090b	CH15_04	Public
CGR5752	CH15_04	Monsanto
CGR6947a	CH15_04	Monsanto
DPL0029a	CH15_04	Monsanto
DPL0052a	CH15_04	Monsanto
DPL0053b	CH15_04	Monsanto
DPL0109a	CH15_04	Monsanto
JESPR063c	CH15_04	Public
JESPR243b	CH15_04	Public
JESPR297	CH15_04	Public
CGR5826	CH15_05	Monsanto
CGR5834	CH15_06	Monsanto
DPL0090b	CH15_06	Monsanto
DPL0504	CH15_06	Monsanto
CGR5106b	CH15_07	Monsanto
CGR6129	CH15_07	Monsanto
BNL2569c	CH16_01	Public
BNL3359c	CH16_01	Public
CGR5128	CH16_01	Monsanto
CGR5271	CH16_01	Monsanto
CGR5796	CH16_02	Monsanto
CGR6083	CH16_03	Monsanto
BNL3500	CH16_04	Public
CGR5063	CH16_04	Monsanto
DPL0492a	CH16_04	Monsanto
BNL1604b	CH16_05	Public
BNL3065	CH16_05	Public
CGR6547	CH16_05	Monsanto
CGR6680	CH16_05	Monsanto
COT104b	CH16_05	Monsanto
BNL1395b	CH16_06	Public
CGR5573	CH16_06	Monsanto
DPL0013c	CH16_06	Monsanto
BNL1026b	CH16_07	Public
BNL1122b	CH16_07	Public
BNL1694a	CH16_07	Public
BNL2441	CH16_07	Public

Marker Designation	Chromosome Bin [z]	Source
BNL3319b	CH16_07	Public
CGR5594	CH16_07	Monsanto
CGR6686a	CH16_07	Monsanto
CGR6819a	CH16_07	Monsanto
COT133	CH16_07	Monsanto
DPL0048	CH16_07	Monsanto
DPL0061	CH16_07	Monsanto
DPL0287	CH16_07	Monsanto
DPL0294	CH16_07	Monsanto
DPL0897	CH16_07	Monsanto
JESPR228b	CH16_07	Public
JESPR237	CH16_07	Public
BNL0580b	CH16_08	Public
BNL2634b	CH16_08	Public
BNL2734	CH16_08	Public
BNL2986	CH16_08	Public
BNL3008	CH16_08	Public
BNL3287	CH16_08	Public
CGR5828b	CH16_08	Monsanto
CGR6015	CH16_08	Monsanto
CGR6280	CH16_08	Monsanto
CGR6459	CH16_08	Monsanto
COT026	CH16_08	Monsanto
COT030	CH16_08	Monsanto
COT034	CH16_08	Monsanto
COT077	CH16_08	Monsanto
DC20124c	CH16_08	Monsanto
DC40065	CH16_08	Monsanto
DPL0167a	CH16_08	Monsanto
JESPR102	CH16_08	Public
JESPR222	CH16_08	Public
BNL1531a	CH16_09	Public
BNL3432b	CH16_09	Public
BNL3793b	CH16_09	Public
CGR5621	CH16_09	Monsanto
CGR5656	CH16_09	Monsanto
CGR6881	CH16_09	Monsanto
CGR6894b	CH16_09	Monsanto
DPL0390c	CH16_09	Monsanto
JESPR292	CH16_09	Public
SHIN-0376b	CH16_09	Monsanto
SHIN-1405b	CH16_09	Monsanto
BNL1022	CH16_10	Public
CGR5149	CH16_10	Monsanto
DPL0364a	CH16_10	Monsanto
CGR5181b	CH16_11	Monsanto
CGR5396a	CH16_11	Monsanto
CGR5611	CH16_11	Monsanto

Marker Designation	Chromosome Bin [Z]	Source
CGR5576a	CH17_01	Monsanto
CGR5729	CH17_01	Monsanto
BNL2496b	CH17_02	Public
CGR5028	CH17_02	Monsanto
CGR6017	CH17_02	Monsanto
CGR6185	CH17_03	Monsanto
CGR6873a	CH17_03	Monsanto
BNL2443	CH17_04	Public
BNL3371	CH17_04	Public
BNL3955	CH17_04	Public
BNL4003	CH17_04	Public
BNL4073	CH17_04	Public
CGR5281b	CH17_04	Monsanto
CGR5603	CH17_04	Monsanto
CGR5657	CH17_04	Monsanto
CGR5700	CH17_04	Monsanto
CGR5765	CH17_04	Monsanto
CGR5784	CH17_04	Monsanto
CGR5838	CH17_04	Monsanto
CGR6018	CH17_04	Monsanto
DPL0095a	CH17_04	Monsanto
DPL0197a	CH17_04	Monsanto
DPL0232b	CH17_04	Monsanto
BNL2443b	CH17_05	Public
COT064b	CH17_05	Monsanto
DC20052	CH17_05	Monsanto
DPL0281	CH17_05	Monsanto
DPL0883b	CH17_05	Monsanto
CGR5453	CH17_06	Monsanto
CGR6834	CH17_06	Monsanto
BNL0834	CH17_07	Public
DPL0017	CH17_07	Monsanto
DPL0245a	CH17_07	Monsanto
CGR6905	CH17_08	Monsanto
DPL0510	CH17_08	Monsanto
BNL3281a	CH18_01	Public
BNL1688	CH18_02	Public
DC30153	CH18_02	Monsanto
DPL0375c	CH18_02	Monsanto
DPL0922a	CH18_02	Monsanto
DPL0922b	CH18_02	Monsanto
JESPR246	CH18_02	Public
BNL2571	CH18_03	Public
BNL2667a	CH18_03	Public
CGR5446	CH18_03	Monsanto
JESPR178	CH18_03	Public
JESPR204b	CH18_03	Public
BNL0569b	CH18_04	Public
BNL1040	CH18_04	Public
BNL3280b	CH18_04	Public
BNL3479b	CH18_04	Public
BNL4029b	CH18_04	Public
CER0145a	CH18_04	Monsanto
CGR5231	CH18_04	Monsanto
CGR5827b	CH18_04	Monsanto
CGR5856	CH18_04	Monsanto
DPL0083a	CH18_04	Monsanto
DPL0161b	CH18_04	Monsanto
DPL0308b	CH18_04	Monsanto
DPL0864a	CH18_04	Monsanto
JESPR056	CH18_04	Public
JESPR056b	CH18_04	Public
JESPR153a	CH18_04	Public
SHIN-1346	CH18_04	Monsanto
BNL1079	CH18_05	Public
BNL1721	CH18_05	Public
BNL2652b	CH18_05	Public
BNL4079	CH18_05	Public
CGR5255	CH18_05	Monsanto
CGR5564	CH18_05	Monsanto
CGR5786	CH18_05	Monsanto
CGR6231	CH18_05	Monsanto
CGR6787	CH18_05	Monsanto
CGR6850	CH18_05	Monsanto
JESPR007a	CH18_05	Public
JESPR125	CH18_05	Public
JESPR130	CH18_05	Public
BNL0193	CH18_06	Public
BNL0243b	CH18_06	Public
BNL2544b	CH18_06	Public
BNL3558b	CH18_06	Public
CER0122	CH18_06	Monsanto
CGR5352	CH18_06	Monsanto
CGR5390	CH18_06	Monsanto
DPL0286b	CH18_06	Monsanto
DPL0640	CH18_06	Monsanto
DPL0894a	CH18_06	Monsanto
BNL0448	CH19_01	Public
BNL0530	CH19_01	Public
BNL0673	CH19_01	Public
BNL4030a	CH19_01	Public
CGR5022	CH19_01	Monsanto
DC20004	CH19_01	Monsanto
DPL0390a	CH19_01	Monsanto
JESPR050b	CH19_01	Public
JESPR218	CH19_01	Public

Marker Designation	Chromosome Bin [Z]	Source
BNL0632	CH19_02	Public
CGR5126	CH19_03	Monsanto
SHIN-0256	CH19_03	Monsanto
SHIN-0598	CH19_03	Monsanto
BNL2821	CH19_04	Public
DPL0893	CH19_04	Monsanto
JESPR023	CH19_04	Public
BNL1296b	CH19_05	Public
BNL1671	CH19_05	Public
BNL3347	CH19_05	Public
BNL3535	CH19_05	Public
CGR5852	CH19_05	Monsanto
DPL0137b	CH19_05	Monsanto
DPL0788	CH19_05	Monsanto
JESPR236	CH19_05	Public
BNL1706a	CH19_06	Public
BNL3422	CH19_06	Public
BNL3426	CH19_06	Public
BNL3662	CH19_06	Public
CGR5388	CH19_06	Monsanto
CGR5900	CH19_06	Monsanto
CGR5901	CH19_06	Monsanto
CGR6416	CH19_06	Monsanto
CGR6835	CH19_06	Monsanto
CGR6896	CH19_06	Monsanto
COT010b	CH19_06	Monsanto
DC40242	CH19_06	Monsanto
DPL0173b	CH19_06	Monsanto
DPL0908b	CH19_06	Monsanto
JESPR001	CH19_06	Public
BNL1878	CH19_07	Public
BNL2786	CH19_07	Public
BNL3348	CH19_07	Public
BNL3977	CH19_07	Public
CGR6113	CH19_07	Monsanto
JESPR204a	CH19_07	Public
BNL0390	CH19_08	Public
BNL3611	CH19_08	Public
BNL3611b	CH19_08	Public
CGR5276	CH19_08	Monsanto
CGR5387	CH19_08	Monsanto
CGR5593	CH19_08	Monsanto
CGR6250	CH19_08	Monsanto
DC30008	CH19_08	Monsanto
DPL0001a	CH19_08	Monsanto
DPL0155c	CH19_08	Monsanto
DPL0174a	CH19_08	Monsanto
JESPR134	CH19_08	Public

Marker Designation	Chromosome Bin [Z]	Source
BNL3811	CH19_09	Public
BNL3875b	CH19_09	Public
BNL4096	CH19_09	Public
DPL0064b	CH19_09	Monsanto
BNL0285	CH19_10	Public
BNL0852b	CH19_10	Public
BNL3029	CH19_10	Public
BNL3029a	CH19_10	Public
BNL3569b	CH19_10	Public
CER0148	CH19_10	Monsanto
CGR5117	CH19_10	Monsanto
COT089b	CH19_10	Monsanto
DPL0145a	CH19_10	Monsanto
DPL0297a	CH19_10	Monsanto
DPL0305b	CH19_10	Monsanto
JESPR053	CH19_10	Public
JESPR181	CH19_10	Public
BNL1611	CH19_11	Public
BNL1690	CH19_11	Public
BNL3998	CH19_11	Public
BNL4071a	CH19_11	Public
CGR5510	CH19_11	Monsanto
CGR5539	CH19_11	Monsanto
CGR5799	CH19_11	Monsanto
CGR5814	CH19_11	Monsanto
CGR5845	CH19_11	Monsanto
CGR6530	CH19_11	Monsanto
CGR6836	CH19_11	Monsanto
CGR6851	CH19_11	Monsanto
COT037	CH19_11	Monsanto
DPL0056	CH19_11	Monsanto
DPL0138a	CH19_11	Monsanto
DPL0556a	CH19_11	Monsanto
BNL2715	CH19_12	Public
BNL3452b	CH19_12	Public
CGR5584	CH19_12	Monsanto
CGR5850	CH19_12	Monsanto
CGR6151	CH19_12	Monsanto
CGR6240	CH19_12	Monsanto
CGR6708a	CH19_12	Monsanto
COT130	CH19_12	Monsanto
DC20067c	CH19_12	Monsanto
DPL0397c	CH19_12	Monsanto
BNL2865b	CH19_13	Public
CGR5877	CH19_13	Monsanto
BNL2553	CH20_01	Public
BNL3280a	CH20_01	Public
BNL3646	CH20_01	Public

Marker Designation	Chromosome Bin [z]	Source
CGR5548	CH20_01	Monsanto
CGR6110	CH20_01	Monsanto
CGR6484	CH20_01	Monsanto
CGR6701	CH20_01	Monsanto
DPL0600	CH20_01	Monsanto
COT119a	CH20_02	Monsanto
DC40044	CH20_02	Monsanto
JESPR190	CH20_02	Public
BNL0169b	CH20_03	Public
BNL0511	CH20_03	Public
CGR6154	CH20_03	Monsanto
JESPR235	CH20_03	Public
BNL0119b	CH20_04	Public
BNL0135b	CH20_04	Public
BNL0169	CH20_04	Public
BNL0946b	CH20_04	Public
BNL3071a	CH20_04	Public
JESPR007b	CH20_04	Public
JESPR171b	CH20_04	Public
JESPR211d	CH20_04	Public
BNL3379	CH20_05	Public
BNL3948b	CH20_05	Public
CGR5238	CH20_05	Monsanto
CGR5508	CH20_05	Monsanto
CGR5740	CH20_05	Monsanto
CGR6439	CH20_05	Monsanto
DPL0108a	CH20_05	Monsanto
DPL0707b	CH20_05	Monsanto
JESPR006e	CH20_05	Public
BNL3838	CH20_06	Public
CGR6022	CH20_06	Monsanto
DPL0037a	CH20_06	Monsanto
CGR5399a	CH20_07	Monsanto
CGR5565a	CH20_07	Monsanto
DPL0394a	CH20_07	Monsanto
BNL2570	CH20_08	Public
CGR5106a	CH20_08	Monsanto
DPL0149b	CH20_08	Monsanto
DPL0486	CH20_08	Monsanto
BNL1145	CH20_09	Public
DC40103	CH20_09	Monsanto
DPL0296	CH20_09	Monsanto
BNL1705	CH21_01	Public
CGR5097	CH21_01	Monsanto
CGR5113b	CH21_01	Monsanto
CGR5412	CH21_01	Monsanto
CGR5421b	CH21_01	Monsanto
CGR5747	CH21_01	Monsanto
CGR5810	CH21_01	Monsanto
DPL0522b	CH21_01	Monsanto
BNL1034a	CH21_02	Public
CGR5217	CH21_02	Monsanto
CGR5578b	CH21_02	Monsanto
CGR5778	CH21_02	Monsanto
CGR5938	CH21_02	Monsanto
CGR6697b	CH21_02	Monsanto
DPL0131	CH21_02	Monsanto
DPL0582	CH21_02	Monsanto
DPL0863b	CH21_02	Monsanto
BNL3147b	CH21_03	Public
BNL3171	CH21_03	Public
BNL3418	CH21_03	Public
BNL3449	CH21_03	Public
BNL3935	CH21_03	Public
CGR5048	CH21_03	Monsanto
COT099	CH21_03	Monsanto
DPL0050	CH21_03	Monsanto
JESPR158	CH21_03	Public
BNL1053	CH21_04	Public
BNL1230	CH21_04	Public
BNL2812a	CH21_04	Public
CGR5602	CH21_04	Monsanto
DC40250a	CH21_04	Monsanto
DPL0776b	CH21_04	Monsanto
JESPR154	CH21_04	Public
BNL0386	CH21_05	Public
BNL1580	CH21_05	Public
CGR5233	CH21_05	Monsanto
CGR5476	CH21_05	Monsanto
CGR5543	CH21_05	Monsanto
CGR5614	CH21_05	Monsanto
CGR5800	CH21_05	Monsanto
CGR6804	CH21_05	Monsanto
CGR6824	CH21_05	Monsanto
DPL0065a	CH21_05	Monsanto
DPL0412b	CH21_05	Monsanto
DPL0500	CH21_05	Monsanto
JESPR192a	CH21_05	Public
JESPR211a	CH21_05	Public
JESPR244a	CH21_05	Public
JESPR245a	CH21_05	Public
JESPR251	CH21_05	Public
BNL1403b	CH21_06	Public
BNL1551	CH21_06	Public
BNL2741	CH21_06	Public
BNL2895a	CH21_06	Public

Marker Designation	Chromosome Bin [z]	Source
BNL3598	CH21_06	Public
BNL3649	CH21_06	Public
CGR5112a	CH21_06	Monsanto
CGR5148	CH21_06	Monsanto
CGR5475	CH21_06	Monsanto
CGR5516	CH21_06	Monsanto
CGR6517b	CH21_06	Monsanto
DPL0103b	CH21_06	Monsanto
JESPR029	CH21_06	Public
JESPR211c	CH21_06	Public
JESPR238	CH21_06	Public
JESPR244b	CH21_06	Public
BNL3279	CH21_07	Public
CGR5713	CH21_07	Monsanto
BNL1231a	CH21_08	Public
BNL1552	CH21_08	Public
BNL2662	CH21_08	Public
BNL4011a	CH21_08	Public
BNL2650	CH21_09	Public
BNL2681	CH21_09	Public
CGR5015	CH21_09	Monsanto
CGR5400	CH21_09	Monsanto
DC40316a	CH21_09	Monsanto
DPL0376	CH21_10	Monsanto
BNL1403d	CH22_01	Public
BNL3873	CH22_01	Public
CGR5888	CH22_01	Monsanto
CGR6409	CH22_01	Monsanto
JESPR220	CH22_01	Public
BNL0358	CH22_02	Public
CGR5566	CH22_02	Monsanto
CGR5650	CH22_02	Monsanto
CGR6791	CH22_02	Monsanto
CGR6837	CH22_02	Monsanto
DC40049b	CH22_02	Monsanto
DPL0562b	CH22_02	Monsanto
JESPR223b	CH22_02	Public
BNL0206	CH22_03	Public
BNL1318	CH22_03	Public
BNL2609	CH22_03	Public
BNL2771	CH22_03	Public
BNL3324	CH22_03	Public
BNL3601	CH22_03	Public
BNL3881	CH22_03	Public
BNL3994b	CH22_03	Public
BNL4015	CH22_03	Public
CGR5150	CH22_03	Monsanto
CGR5463	CH22_03	Monsanto
CGR5610	CH22_03	Monsanto
CGR5759	CH22_03	Monsanto
CGR5806	CH22_03	Monsanto
DC20081	CH22_03	Monsanto
DPL0107b	CH22_03	Monsanto
DPL0126b	CH22_03	Monsanto
DPL0290a	CH22_03	Monsanto
JESPR006c	CH22_03	Public
JESPR063a	CH22_03	Public
JESPR063a	CH22_03	Public
JESPR209	CH22_03	Public
JESPR230	CH22_03	Public
BNL0448c	CH22_04	Public
CGR5667b	CH22_04	Monsanto
CGR6410	CH22_04	Monsanto
JESPR184	CH22_04	Public
BNL0597b	CH23_01	Public
BNL3173b	CH23_01	Public
BNL3985	CH23_01	Public
DPL0524b	CH23_01	Monsanto
DPL0530	CH23_01	Monsanto
JESPR095b	CH23_01	Public
BNL2590a	CH23_02	Public
CGR5862	CH23_02	Monsanto
DC40129a	CH23_02	Monsanto
JESPR114	CH23_02	Public
BNL1030b	CH23_03	Public
BNL1317b	CH23_03	Public
BNL1414b	CH23_03	Public
BNL3140b	CH23_03	Public
CGR5494	CH23_03	Monsanto
CGR5669	CH23_03	Monsanto
CGR5867a	CH23_03	Monsanto
CGR6227	CH23_03	Monsanto
CGR6430	CH23_03	Monsanto
CGR6678	CH23_03	Monsanto
CGR6949a	CH23_03	Monsanto
DC30213b	CH23_03	Monsanto
DC40407c	CH23_03	Monsanto
DPL0044b	CH23_03	Monsanto
DPL0745a	CH23_03	Monsanto
DPL0804	CH23_03	Monsanto
JESPR110	CH23_03	Public
JESPR208b	CH23_03	Public
JESPR248b	CH23_03	Public
BNL1579	CH23_04	Public
BNL3410b	CH23_04	Public
CGR5218	CH23_04	Monsanto

Marker Designation	Chromosome Bin [Z]	Source
CGR6252b	CH23_04	Monsanto
CGR6377	CH23_04	Monsanto
CGR6576	CH23_04	Monsanto
CGR6692a	CH23_04	Monsanto
CGR6731	CH23_04	Monsanto
DPL0093b	CH23_04	Monsanto
BNL1672b	CH23_05	Public
BNL3031b	CH23_05	Public
CGR5552	CH23_05	Monsanto
CGR5694	CH23_05	Monsanto
JESPR247b	CH23_05	Public
JESPR274b	CH23_05	Public
SHIN-0050b	CH23_05	Monsanto
BNL3383	CH23_06	Public
CGR6122	CH23_06	Monsanto
CGR6205	CH23_06	Monsanto
CGR6840	CH23_06	Monsanto
DC40058	CH23_06	Monsanto
DPL0356b	CH23_06	Monsanto
DPL0783b	CH23_06	Monsanto
JESPR013	CH23_06	Public
JESPR151	CH23_06	Public
JESPR167b	CH23_06	Public
JESPR192b	CH23_06	Public
BNL0135a	CH23_07	Public
BNL0686b	CH23_07	Public
BNL1161b	CH23_07	Public
CGR6934	CH23_07	Monsanto
DC20058	CH23_07	Monsanto
BNL2597	CH24_01	Public
CGR5423	CH24_01	Monsanto
CGR5804	CH24_01	Monsanto
DPL0152a	CH24_01	Monsanto
JESPR302	CH24_01	Public
SHIN-1076	CH24_01	Monsanto
SHIN-1494b	CH24_01	Monsanto
BNL1513	CH24_02	Public
BNL3860	CH24_02	Public
CGR5447	CH24_02	Monsanto
CGR5653	CH24_02	Monsanto
DC40404a	CH24_02	Monsanto
JESPR070	CH24_02	Public
JESPR157b	CH24_02	Public
BNL2961b	CH24_03	Public
CGR5684	CH24_03	Monsanto
CGR5813	CH24_03	Monsanto
DPL0214b	CH24_03	Monsanto
DPL0488b	CH24_03	Monsanto
SHIN-0352b	CH24_03	Monsanto
SHIN-0384	CH24_03	Monsanto
SHIN-0426a	CH24_03	Monsanto
BNL1521	CH24_04	Public
BNL2616	CH24_04	Public
BNL2961	CH24_04	Public
BNL3638	CH24_04	Public
CGR5142	CH24_04	Monsanto
CGR5841	CH24_04	Monsanto
CGR5870	CH24_04	Monsanto
CGR6730	CH24_04	Monsanto
JESPR305	CH24_04	Public
BNL0252	CH24_05	Public
BNL0387a	CH24_05	Public
BNL0500	CH24_05	Public
BNL1664a	CH24_05	Public
BNL2499	CH24_05	Public
BNL2568	CH24_05	Public
BNL2582	CH24_05	Public
BNL2655	CH24_05	Public
BNL3084	CH24_05	Public
BNL3658b	CH24_05	Public
CER0152	CH24_05	Monsanto
CGR5098	CH24_05	Monsanto
CGR5120	CH24_05	Monsanto
CGR5145	CH24_05	Monsanto
CGR5253	CH24_05	Monsanto
CGR5359	CH24_05	Monsanto
CGR5433	CH24_05	Monsanto
CGR5503	CH24_05	Monsanto
CGR5583	CH24_05	Monsanto
CGR5639	CH24_05	Monsanto
CGR5673a	CH24_05	Monsanto
CGR5722a	CH24_05	Monsanto
CGR5837b	CH24_05	Monsanto
CGR6693	CH24_05	Monsanto
CGR6736	CH24_05	Monsanto
DC40127a	CH24_05	Monsanto
DPL0111a	CH24_05	Monsanto
DPL0133b	CH24_05	Monsanto
DPL0154a	CH24_05	Monsanto
DPL0251	CH24_05	Monsanto
DPL0862a	CH24_05	Monsanto
DPL0877a	CH24_05	Monsanto
JESPR033	CH24_05	Public
JESPR127	CH24_05	Public
SHIN-1435b	CH24_05	Monsanto
BNL3627b	CH24_06	Public

Marker Designation	Chromosome Bin [z]	Source
CGR5202	CH24_06	Monsanto
CGR5345	CH24_06	Monsanto
CGR6147	CH24_07	Monsanto
JESPR291b	CH24_07	Public
BNL1163	CH25_01	Public
CGR6864	CH25_01	Monsanto
DPL0282	CH25_01	Monsanto
BNL2691	CH25_02	Public
BNL3594b	CH25_02	Public
CGR5362	CH25_02	Monsanto
CGR5673b	CH25_02	Monsanto
CGR5846	CH25_02	Monsanto
CGR6189	CH25_02	Monsanto
DC20106	CH25_02	Monsanto
DPL0257a	CH25_02	Monsanto
BNL0150a	CH25_03	Public
BNL1169a	CH25_03	Public
BNL1417	CH25_03	Public
BNL3103	CH25_03	Public
BNL3655	CH25_03	Public
BNL3937	CH25_03	Public
CER0086	CH25_03	Monsanto
CGR5444	CH25_03	Monsanto
CGR5665	CH25_03	Monsanto
CGR5809	CH25_03	Monsanto
CGR5843	CH25_03	Monsanto
CGR6123	CH25_03	Monsanto
CGR6479	CH25_03	Monsanto
DC40121	CH25_03	Monsanto
DPL0243b	CH25_03	Monsanto
DPL0244b	CH25_03	Monsanto
DPL0290b	CH25_03	Monsanto
DPL0301	CH25_03	Monsanto
BNL1440b	CH25_04	Public
BNL3098	CH25_04	Public
BNL3190	CH25_04	Public
BNL3405	CH25_04	Public
BNL3806	CH25_04	Public
CGR5115	CH25_04	Monsanto
CGR5201	CH25_04	Monsanto
CGR5643	CH25_04	Monsanto
CGR5860	CH25_04	Monsanto
CGR6545	CH25_04	Monsanto
COT012	CH25_04	Monsanto
COT058	CH25_04	Monsanto
DPL0124c	CH25_04	Monsanto
DPL0284	CH25_04	Monsanto
DPL0375a	CH25_04	Monsanto

Marker Designation	Chromosome Bin [z]	Source
JESPR215b	CH25_04	Public
JESPR224	CH25_04	Public
JESPR227b	CH25_04	Public
JESPR229	CH25_04	Public
SHIN-0885	CH25_04	Monsanto
CGR5525	CH25_05	Monsanto
CGR6932	CH25_05	Monsanto
DPL0702a	CH25_05	Monsanto
BNL0584b	CH25_06	Public
BNL0827b	CH25_06	Public
BNL1061	CH25_06	Public
BNL3436	CH25_06	Public
CGR5587	CH25_06	Monsanto
DPL0059b	CH25_06	Monsanto
CGR6679	CH25_07	Monsanto
BNL1600	CH26_01	Public
CGR5152	CH26_01	Monsanto
DPL0363c	CH26_01	Monsanto
DPL0481	CH26_01	Monsanto
DPL0886	CH26_01	Monsanto
DPL0917a	CH26_01	Monsanto
JESPR300b	CH26_01	Public
BNL2557	CH26_02	Public
DC40117	CH26_02	Monsanto
DPL0404a	CH26_02	Monsanto
BNL2495	CH26_03	Public
BNL2725b	CH26_03	Public
BNL3482	CH26_03	Public
BNL3537b	CH26_03	Public
CGR5793	CH26_03	Monsanto
CGR6149	CH26_03	Monsanto
CGR6329	CH26_03	Monsanto
CGR6471	CH26_03	Monsanto
CGR6651	CH26_03	Monsanto
CGR6759	CH26_03	Monsanto
DC30107b	CH26_03	Monsanto
DC30183c	CH26_03	Monsanto
DPL0070b	CH26_03	Monsanto
DPL0208a	CH26_03	Monsanto
DPL0250	CH26_03	Monsanto
DPL0404b	CH26_03	Monsanto
JESPR121a	CH26_03	Public
JESPR136	CH26_03	Public
BNL0341	CH26_04	Public
BNL0341b	CH26_04	Public
CGR6431b	CH26_04	Monsanto
CGR6702a	CH26_04	Monsanto
CGR6742a	CH26_04	Monsanto

Marker Designation	Chromosome Bin [Z]	Source
CGR6880	CH26_04	Monsanto
DC40260	CH26_04	Monsanto
DPL0285	CH26_04	Monsanto
DPL0379b	CH26_04	Monsanto
DPL0380b	CH26_04	Monsanto
DPL0565a	CH26_04	Monsanto
DPL0598	CH26_04	Monsanto
BNL0116b	CH26_05	Public
BNL0840	CH26_05	Public
BNL0850	CH26_05	Public
BNL1115	CH26_05	Public
BNL1227b	CH26_05	Public
BNL1605a	CH26_05	Public
BNL1669b	CH26_05	Public
BNL3435	CH26_05	Public
BNL3510	CH26_05	Public
BNL3599b	CH26_05	Public
BNL3816	CH26_05	Public
BNL3867b	CH26_05	Public
CGR5429a	CH26_05	Monsanto
CGR5527	CH26_05	Monsanto
CGR5558a	CH26_05	Monsanto
CGR5678	CH26_05	Monsanto
CGR5733a	CH26_05	Monsanto
CGR5797	CH26_05	Monsanto
CGR5802	CH26_05	Monsanto
CGR5991	CH26_05	Monsanto
CGR6140	CH26_05	Monsanto
CGR6318	CH26_05	Monsanto
CGR6339	CH26_05	Monsanto
CGR6388	CH26_05	Monsanto
CGR6698a	CH26_05	Monsanto
CGR6728	CH26_05	Monsanto
CGR6778a	CH26_05	Monsanto
CGR6872	CH26_05	Monsanto
DPL0011a	CH26_05	Monsanto
DPL0028	CH26_05	Monsanto
DPL0240b	CH26_05	Monsanto
DPL0391	CH26_05	Monsanto
DPL0796	CH26_05	Monsanto
JESPR092	CH26_05	Public
JESPR167a	CH26_05	Public
JESPR295b	CH26_05	Public
BNL2621c	CH26_06	Public
CGR5722b	CH26_06	Monsanto
CGR6772a	CH26_06	Monsanto
DPL0144a	CH26_06	Monsanto
DPL0243a	CH26_06	Monsanto
DPL0248c	CH26_06	Monsanto
DPL0776a	CH26_06	Monsanto
CGR6254a	CH26_07	Monsanto
DPL0057b	CH26_07	Monsanto

[Z] Chromosome bins constructed as consecutive 20cM intervals on consensus genetic map.

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