

Supplementary Table 1. Primer sequences and genotyping condition of STR markers

STR Marker	Genomic coordinate (hg19)	FORWARD primer ^(a)	REVERSE primer ^(b)	Annealing Temp (C)	5'-Dye	RefSeq size
21732AC23	chr16:21,732,554-21,732,600	TTTGTATTTTTAGTAGGGACGG	CTTCTCTGTATTGGTTGTTTG	50	FAM	216
23037GT23	chr16:23,037,671-23,037,716	GACAGTGAGGTGGGAATCAAAG	AAATCTCTGGGACTCTGAAACC	50	FAM	222
D16S412	chr16:23,162,662-23,162,712	AATTGCTTGAACCCAGGAGA	GTGGGCTTCAACCCAGTAGA	60	fluo	248
23622TCTA14	chr16:23,622,400-23,622,456	AGAGGAAGACTCTGTCTCAAAA	GTAATTCTAGAGATGAATTCAACTG	55	FAM	132
23749TATG14	chr16:23,749,512-23,749,567	GGAGAACTGAAATGAGAGTGCC	CTGGGTGATAGAGCAAGACTGTC	55	FAM	268
D16S417	chr16:23,777,202-23,777,238	AACATGCAGCCTCCTTCTTC	CTGGTTAGCCAGACCTGCTC	60	fluo	167
D16S401	chr16:24,686,016-24,686,059	ACGGAGTTCCACATAAAAGCAGGCA	TGCCTGGTGGGTGGAGAATTTGGA	68	TAMRA	275

^aFORWARD primer is 5' fluorescently labeled

^bREVERSE primer has a non-template 5'-pigtail (GTGTCTT) for improved genotyping

Supplemental Table 2. Allele numbers and corresponding microsatellite sizes for each STR marker

	Size in BP of each STR marker allele						
# alleles	21732AC23	23037GT23	D16S412	23622TCTA14	23749TATG14	D16S417	D16S401
1	214	228	237	123	276	158	264
2	216	230	239	127	280	162	266
3	218	232	241	131	284	164	268
4	220	234	243	135	288	166	270
5	222	236	245	139		170	272
6	224	238		143		172	274
7	226	240		147		176	276
8	228	242				180	278