

**Supplementary Table 1.** Single nucleotide variations of SMV isolate China in the SMV-infected soybean sample

```
##fileformat=VCFv4.2
##FILTER=<ID=PASS,Description="All filters passed">
##samtoolsVersion=1.3+htslib-1.3
##samtoolsCommand=samtools mpileup -uvf SMV_SRR1777405.fasta SRR1777405_SMV_t10_sorted.bam
##reference=file://SMV_SRR1777405.fasta
##contig=<ID=SMV_HN44_seed,length=9507>
##ALT=<ID=*,Description="Represents allele(s) other than observed.">
##INFO=<ID=INDEL,Number=0,Type=Flag,Description="Indicates that the variant is an INDEL.">
##INFO=<ID=IDV,Number=1,Type=Integer,Description="Maximum number of reads supporting an indel">
##INFO=<ID=IMF,Number=1,Type=Float,Description="Maximum fraction of reads supporting an indel">
##INFO=<ID=DP,Number=1,Type=Integer,Description="Raw read depth">
##INFO=<ID=VDB,Number=1,Type=Float,Description="Variant Distance Bias for filtering splice-site artefacts in RNA-seq data (bigger is better)",Version="3">
##INFO=<ID=RPB,Number=1,Type=Float,Description="Mann-Whitney U test of Read Position Bias (bigger is better)">
##INFO=<ID=MQB,Number=1,Type=Float,Description="Mann-Whitney U test of Mapping Quality Bias (bigger is better)">
##INFO=<ID=BQB,Number=1,Type=Float,Description="Mann-Whitney U test of Base Quality Bias (bigger is better)">
##INFO=<ID=MQSB,Number=1,Type=Float,Description="Mann-Whitney U test of Mapping Quality vs Strand Bias (bigger is better)">
##INFO=<ID=SGB,Number=1,Type=Float,Description="Segregation based metric.">
##INFO=<ID=MQOF,Number=1,Type=Float,Description="Fraction of MQ0 reads (smaller is better)">
##FORMAT=<ID=PL,Number=G,Type=Integer,Description="List of Phred-scaled genotype likelihoods">
##FORMAT=<ID=GT,Number=1,Type=String,Description="Genotype">
##INFO=<ID=ICB,Number=1,Type=Float,Description="Inbreeding Coefficient Binomial test (bigger is better)">
##INFO=<ID=HOB,Number=1,Type=Float,Description="Bias in the number of HOMs number (smaller is better)">
##INFO=<ID=AC,Number=A,Type=Integer,Description="Allele count in genotypes for each ALT allele, in the same order as listed">
##INFO=<ID=AN,Number=1,Type=Integer,Description="Total number of alleles in called genotypes">
##INFO=<ID=DP4,Number=4,Type=Integer,Description="Number of high-quality ref-forward, ref-reverse, alt-forward and alt-reverse bases">
##INFO=<ID=MQ,Number=1,Type=Integer,Description="Average mapping quality">
##bcftools_callVersion=1.3+htslib-1.3
##bcftools_callCommand=call -vm -O v
```

#CHROM	POS	ID	REF	ALT	QUAL	FILTER	INFO	FORMAT	SRR1777405_SMV_t10_sorted.bam
SMV_HN4	42	.	G	A	7.17451	.	DP=7;VDB	GT:PL	0/1:40,0,133
SMV_HN4	43	.	C	T	4.71251	.	DP=8;VDB	GT:PL	0/1:37,0,150
SMV_HN4	46	.	C	T	7.22765	.	DP=12;VD	GT:PL	0/1:41,0,195
SMV_HN4	49	.	G	A	9.19397	.	DP=12;VD	GT:PL	0/1:43,0,216
SMV_HN4	71	.	T	C	129	.	DP=44;VD	GT:PL	0/1:163,0,255
SMV_HN4	77	.	C	T	222	.	DP=48;VD	GT:PL	0/1:255,0,255
SMV_HN4	78	.	A	G	222	.	DP=48;VD	GT:PL	0/1:255,0,255
SMV_HN4	101	.	T	C	188	.	DP=65;VD	GT:PL	0/1:221,0,255
SMV_HN4	103	.	A	G	222	.	DP=65;VD	GT:PL	0/1:255,0,255
SMV_HN4	110	.	G	T	222	.	DP=62;VD	GT:PL	0/1:255,0,255
SMV_HN4	113	.	C	T	222	.	DP=58;VD	GT:PL	0/1:255,0,255
SMV_HN4	119	.	G	A	55	.	DP=59;VD	GT:PL	0/1:90,0,255
SMV_HN4	121	.	A	G	91	.	DP=57;VD	GT:PL	0/1:126,0,255
SMV_HN4	123	.	T	A	222	.	DP=56;VD	GT:PL	0/1:255,0,255
SMV_HN4	135	.	G	A	100	.	DP=31;VD	GT:PL	0/1:134,0,255
SMV_HN4	137	.	C	T	222	.	DP=28;VD	GT:PL	0/1:255,0,183
SMV_HN4	143	.	A	G	26.3352	.	DP=19;VD	GT:PL	0/1:61,0,255
SMV_HN4	149	.	G	A	58	.	DP=18;VD	GT:PL	0/1:92,0,255
SMV_HN4	170	.	T	C	100	.	DP=28;VD	GT:PL	0/1:134,0,255
SMV_HN4	182	.	G	A	44.2778	.	DP=26;VD	GT:PL	0/1:79,0,255
SMV_HN4	196	.	A	G	25.8995	.	DP=25;VD	GT:PL	0/1:61,0,255
SMV_HN4	197	.	A	G	155	.	DP=26;VD	GT:PL	0/1:188,0,245
SMV_HN4	208	.	A	G	130	.	DP=23;VD	GT:PL	0/1:163,0,238
SMV_HN4	227	.	C	T	170	.	DP=22;VD	GT:PL	0/1:203,0,184
SMV_HN4	237	.	T	C	54	.	DP=12;VD	GT:PL	0/1:87,0,182
SMV_HN4	281	.	G	A	58	.	DP=21;VD	GT:PL	0/1:92,0,255
SMV_HN4	290	.	T	C	20.8768	.	DP=19;VD	GT:PL	0/1:56,0,255
SMV_HN4	293	.	G	A	130	.	DP=22;VD	GT:PL	0/1:163,0,255
SMV_HN4	299	.	C	T	11.0776	.	DP=24;VD	GT:PL	0/1:46,0,255
SMV_HN4	319	.	C	T	40.2498	.	DP=26;VD	GT:PL	0/1:75,0,255
SMV_HN4	320	.	C	T	152	.	DP=28;VD	GT:PL	0/1:185,0,255
SMV_HN4	331	.	A	C	105	.	DP=36;VD	GT:PL	0/1:138,0,255
SMV_HN4	335	.	T	C	71	.	DP=56;VD	GT:PL	0/1:106,0,255
SMV_HN4	339	.	A	G	31.4198	.	DP=64;VD	GT:PL	0/1:67,0,255
SMV_HN4	340	.	C	T	16.1154	.	DP=70;VD	GT:PL	0/1:52,0,255
SMV_HN4	351	.	T	A	179	.	DP=80;VD	GT:PL	0/1:213,0,255
SMV_HN4	383	.	G	A	16.9901	.	DP=95;VD	GT:PL	0/1:52,0,255
SMV_HN4	384	.	G	A	155	.	DP=94;VD	GT:PL	0/1:189,0,255
SMV_HN4	397	.	G	A	195	.	DP=83;VD	GT:PL	0/1:229,0,255
SMV_HN4	398	.	A	G	206	.	DP=83;VD	GT:PL	0/1:240,0,255
SMV_HN4	400	.	G	A	222	.	DP=83;VD	GT:PL	0/1:255,0,254
SMV_HN4	416	.	C	T	110	.	DP=91;VD	GT:PL	0/1:144,0,255
SMV_HN4	431	.	G	A	69	.	DP=90;VD	GT:PL	0/1:104,0,255
SMV_HN4	446	.	T	C	47.8756	.	DP=43;VD	GT:PL	0/1:83,0,255
SMV_HN4	449	.	C	T	222	.	DP=42;VD	GT:PL	0/1:255,0,247
SMV_HN4	462	.	G	A	4.68375	.	DP=36;VD	GT:PL	0/1:39,0,255

SMV_HN4	478	A	G	15.5164	DP=77;VD GT:PL	0/1:51,0,255
SMV_HN4	479	G	A	148	DP=97;VD GT:PL	0/1:182,0,255
SMV_HN4	489	G	A	71	DP=108;VI GT:PL	0/1:106,0,255
SMV_HN4	491	G	A	87	DP=101;VI GT:PL	0/1:122,0,255
SMV_HN4	500	G	A	223	DP=113;VI GT:PL	0/1:255,0,255
SMV_HN4	506	A	G	222	DP=116;VI GT:PL	0/1:255,0,255
SMV_HN4	512	G	A	221	DP=122;VI GT:PL	0/1:255,0,157
SMV_HN4	538	C	T	222	DP=106;VI GT:PL	0/1:255,0,255
SMV_HN4	541	A	C	70	DP=110;VI GT:PL	0/1:105,0,255
SMV_HN4	547	G	A	80	DP=99;VD GT:PL	0/1:115,0,255
SMV_HN4	560	G	A	103	DP=32;VD GT:PL	0/1:137,0,255
SMV_HN4	566	C	T	221	DP=30;VD GT:PL	0/1:255,0,108
SMV_HN4	603	A	T	123	DP=40;VD GT:PL	0/1:157,0,255
SMV_HN4	611	A	C	107	DP=39;VD GT:PL	0/1:141,0,255
SMV_HN4	613	A	G	46.9509	DP=40;VD GT:PL	0/1:82,0,255
SMV_HN4	640	CAGG	CAGGAGC	222	INDEL;IDV GT:PL	0/1:255,0,255
SMV_HN4	650	G	A	222	DP=97;VD GT:PL	0/1:255,0,255
SMV_HN4	677	T	G	44.8075	DP=178;VI GT:PL	0/1:80,0,255
SMV_HN4	707	C	T	109	DP=159;VI GT:PL	0/1:143,0,255
SMV_HN4	710	C	T	153	DP=137;VI GT:PL	0/1:187,0,255
SMV_HN4	713	G	A	216	DP=121;VI GT:PL	0/1:250,0,255
SMV_HN4	727	A	G	34.6963	DP=52;VD GT:PL	0/1:70,0,255
SMV_HN4	728	A	G	45.9329	DP=48;VD GT:PL	0/1:81,0,255
SMV_HN4	732	A	G	5.37661	DP=48;VD GT:PL	0/1:40,0,255
SMV_HN4	734	C	T	23.2564	DP=43;VD GT:PL	0/1:59,0,255
SMV_HN4	736	A	G	201	DP=41;VD GT:PL	0/1:234,0,255
SMV_HN4	743	A	G	221	DP=40;VD GT:PL	0/1:255,0,165
SMV_HN4	746	T	C	213	DP=40;VD GT:PL	0/1:246,0,255
SMV_HN4	749	G	A	27.3717	DP=39;VD GT:PL	0/1:63,0,255
SMV_HN4	754	C	A	200	DP=33;VD GT:PL	0/1:233,0,255
SMV_HN4	758	C	T	10.405	DP=33;VD GT:PL	0/1:46,0,248
SMV_HN4	760	C	T	172	DP=33;VD GT:PL	0/1:206,0,115
SMV_HN4	761	A	G	12.2977	DP=33;VD GT:PL	0/1:48,0,242
SMV_HN4	767	G	A	26.3143	DP=32;VD GT:PL	0/1:62,0,198
SMV_HN4	797	G	A	87	DP=30;VD GT:PL	0/1:121,0,216
SMV_HN4	811	G	A	41.3161	DP=21;VD GT:PL	0/1:76,0,236
SMV_HN4	821	C	T	48.3741	DP=42;VD GT:PL	0/1:83,0,255
SMV_HN4	905	C	T	68	DP=109;VI GT:PL	0/1:103,0,255
SMV_HN4	914	A	G	75	DP=60;VD GT:PL	0/1:110,0,255
SMV_HN4	915	G	A	77	DP=60;VD GT:PL	0/1:112,0,255
SMV_HN4	932	C	T	94	DP=65;VD GT:PL	0/1:129,0,255
SMV_HN4	952	T	C	222	DP=61;VD GT:PL	0/1:255,0,255
SMV_HN4	998	A	G	169	DP=45;VD GT:PL	0/1:202,0,255
SMV_HN4	1010	G	T	222	DP=50;VD GT:PL	0/1:255,0,255
SMV_HN4	1022	G	A	47.8945	DP=133;VI GT:PL	0/1:83,0,255
SMV_HN4	1025	C	T	188	DP=201;VI GT:PL	0/1:222,0,255
SMV_HN4	1030	C	A	208	DP=226;VI GT:PL	0/1:241,0,255
SMV_HN4	1036	T	C	214	DP=240;VI GT:PL	0/1:247,0,255
SMV_HN4	1040	A	T	113	DP=243;VI GT:PL	0/1:147,0,255
SMV_HN4	1103	A	G	222	DP=86;VD GT:PL	0/1:255,0,255
SMV_HN4	1109	T	A	222	DP=72;VD GT:PL	0/1:255,0,255
SMV_HN4	1111	A	G	222	DP=72;VD GT:PL	0/1:255,0,201
SMV_HN4	1112	T	C	222	DP=73;VD GT:PL	0/1:255,0,222
SMV_HN4	1118	A	G	47.4381	DP=82;VD GT:PL	0/1:83,0,255
SMV_HN4	1119	A	G	80	DP=82;VD GT:PL	0/1:115,0,255
SMV_HN4	1121	C	T	222	DP=85;VD GT:PL	0/1:255,0,255
SMV_HN4	1127	A	G	11.0389	DP=91;VD GT:PL	0/1:47,0,255
SMV_HN4	1136	G	A	222	DP=83;VD GT:PL	0/1:255,0,255
SMV_HN4	1151	A	G	8.41763	DP=92;VD GT:PL	0/1:44,0,255
SMV_HN4	1157	A	G	222	DP=82;VD GT:PL	0/1:255,0,255
SMV_HN4	1166	T	C	78	DP=80;VD GT:PL	0/1:113,0,255
SMV_HN4	1172	T	C	222	DP=81;VD GT:PL	0/1:255,0,255
SMV_HN4	1175	T	C	222	DP=80;VD GT:PL	0/1:255,0,255
SMV_HN4	1190	C	T	202	DP=99;VD GT:PL	0/1:235,0,255
SMV_HN4	1208	T	C	92	DP=106;VI GT:PL	0/1:127,0,255
SMV_HN4	1211	C	T	125	DP=106;VI GT:PL	0/1:159,0,255
SMV_HN4	1215	A	G	131	DP=107;VI GT:PL	0/1:165,0,255
SMV_HN4	1221	C	A	85	DP=100;VI GT:PL	0/1:119,0,255
SMV_HN4	1244	C	T	222	DP=88;VD GT:PL	0/1:255,0,255
SMV_HN4	1264	G	A	222	DP=65;VD GT:PL	0/1:255,0,255
SMV_HN4	1271	G	A	56	DP=80;VD GT:PL	0/1:90,0,255
SMV_HN4	1276	A	G	79	DP=75;VD GT:PL	0/1:113,0,255
SMV_HN4	1307	G	A	220	DP=174;VI GT:PL	1/1:247,21,0
SMV_HN4	1313	G	T	102	DP=191;VI GT:PL	0/1:137,0,255
SMV_HN4	1316	A	G	222	DP=200;VI GT:PL	0/1:255,0,255
SMV_HN4	1323	A	C	222	DP=197;VI GT:PL	0/1:255,0,255
SMV_HN4	1346	G	A	193	DP=213;VI GT:PL	0/1:227,0,255

SMV_HN4	1355 .	G	A	42.2619 .	DP=243;VI GT:PL	0/1:77,0,255
SMV_HN4	1358 .	T	C	222 .	DP=245;VI GT:PL	0/1:255,0,255
SMV_HN4	1370 .	G	T	222 .	DP=173;VI GT:PL	0/1:255,0,255
SMV_HN4	1373 .	G	A	222 .	DP=158;VI GT:PL	0/1:255,0,255
SMV_HN4	1385 .	T	C	222 .	DP=107;VI GT:PL	0/1:255,0,255
SMV_HN4	1397 .	A	T	222 .	DP=88;VDI GT:PL	0/1:255,0,255
SMV_HN4	1403 .	A	G	221 .	DP=83;VDI GT:PL	0/1:255,0,196
SMV_HN4	1449 .	C	T	218 .	DP=73;VDI GT:PL	0/1:251,0,255
SMV_HN4	1454 .	T	A	160 .	DP=79;VDI GT:PL	0/1:194,0,255
SMV_HN4	1466 .	A	G	222 .	DP=96;VDI GT:PL	0/1:255,0,255
SMV_HN4	1475 .	G	A	159 .	DP=101;VI GT:PL	0/1:193,0,255
SMV_HN4	1478 .	T	C	222 .	DP=94;VDI GT:PL	0/1:255,0,255
SMV_HN4	1490 .	A	G	222 .	DP=104;VI GT:PL	0/1:255,0,255
SMV_HN4	1511 .	A	G	115 .	DP=91;VDI GT:PL	0/1:150,0,255
SMV_HN4	1523 .	C	T	222 .	DP=98;VDI GT:PL	0/1:255,0,255
SMV_HN4	1527 .	A	C	84 .	DP=126;VI GT:PL	0/1:119,0,255
SMV_HN4	1542 .	C	T	173 .	DP=215;VI GT:PL	0/1:207,0,255
SMV_HN4	1547 .	T	C	222 .	DP=240;VI GT:PL	0/1:255,0,255
SMV_HN4	1559 .	G	A	222 .	DP=256;VI GT:PL	0/1:255,0,255
SMV_HN4	1571 .	T	C	222 .	DP=249;VI GT:PL	0/1:255,0,255
SMV_HN4	1595 .	C	T	221 .	DP=270;VI GT:PL	0/1:255,0,167
SMV_HN4	1598 .	C	T	222 .	DP=259;VI GT:PL	0/1:255,0,255
SMV_HN4	1613 .	T	C	220 .	DP=130;VI GT:PL	0/1:255,0,152
SMV_HN4	1635 .	T	G	222 .	DP=149;VI GT:PL	0/1:255,0,255
SMV_HN4	1637 .	G	A	92 .	DP=155;VI GT:PL	0/1:127,0,255
SMV_HN4	1643 .	C	T	170 .	DP=160;VI GT:PL	0/1:204,0,255
SMV_HN4	1655 .	T	G	222 .	DP=152;VI GT:PL	0/1:255,0,255
SMV_HN4	1656 .	A	G	100 .	DP=148;VI GT:PL	0/1:135,0,255
SMV_HN4	1661 .	T	C	168 .	DP=133;VI GT:PL	0/1:202,0,255
SMV_HN4	1673 .	C	T	182 .	DP=100;VI GT:PL	0/1:216,0,255
SMV_HN4	1676 .	T	C	156 .	DP=97;VDI GT:PL	0/1:190,0,255
SMV_HN4	1688 .	T	C	85 .	DP=94;VDI GT:PL	0/1:120,0,255
SMV_HN4	1697 .	C	T	222 .	DP=82;VDI GT:PL	0/1:255,0,255
SMV_HN4	1700 .	G	A	222 .	DP=79;VDI GT:PL	0/1:255,0,255
SMV_HN4	1727 .	T	G	222 .	DP=109;VI GT:PL	0/1:255,0,255
SMV_HN4	1730 .	T	A	222 .	DP=110;VI GT:PL	0/1:255,0,255
SMV_HN4	1743 .	C	T	185 .	DP=118;VI GT:PL	0/1:219,0,255
SMV_HN4	1745 .	A	G	188 .	DP=118;VI GT:PL	0/1:222,0,255
SMV_HN4	1757 .	T	C	222 .	DP=131;VI GT:PL	0/1:255,0,255
SMV_HN4	1763 .	A	G	20.2075 .	DP=133;VI GT:PL	0/1:56,0,255
SMV_HN4	1770 .	C	T	222 .	DP=92;VDI GT:PL	0/1:255,0,255
SMV_HN4	1784 .	C	T	144 .	DP=70;VDI GT:PL	0/1:178,0,255
SMV_HN4	1787 .	A	C	15.8281 .	DP=73;VDI GT:PL	0/1:51,0,255
SMV_HN4	1788 .	A	C	142 .	DP=73;VDI GT:PL	0/1:176,0,255
SMV_HN4	1790 .	A	G	15.7778 .	DP=71;VDI GT:PL	0/1:51,0,255
SMV_HN4	1799 .	A	G	93 .	DP=53;VDI GT:PL	0/1:127,0,255
SMV_HN4	1817 .	T	C	193 .	DP=55;VDI GT:PL	0/1:226,0,255
SMV_HN4	1826 .	A	G	138 .	DP=53;VDI GT:PL	0/1:172,0,255
SMV_HN4	1829 .	T	C	145 .	DP=71;VDI GT:PL	0/1:179,0,255
SMV_HN4	1856 .	C	T	222 .	DP=112;VI GT:PL	0/1:255,0,255
SMV_HN4	1862 .	A	G	41.6843 .	DP=120;VI GT:PL	0/1:77,0,255
SMV_HN4	1874 .	A	C	58 .	DP=145;VI GT:PL	0/1:93,0,255
SMV_HN4	1892 .	G	A	64 .	DP=239;VI GT:PL	0/1:99,0,255
SMV_HN4	1895 .	T	C	222 .	DP=242;VI GT:PL	0/1:255,0,255
SMV_HN4	1916 .	C	T	121 .	DP=193;VI GT:PL	0/1:155,0,255
SMV_HN4	1928 .	A	G	46.9615 .	DP=199;VI GT:PL	0/1:82,0,255
SMV_HN4	1931 .	A	G	102 .	DP=173;VI GT:PL	0/1:136,0,255
SMV_HN4	1934 .	T	A	90 .	DP=174;VI GT:PL	0/1:125,0,255
SMV_HN4	1937 .	T	C	200 .	DP=165;VI GT:PL	0/1:234,0,255
SMV_HN4	1940 .	T	C	222 .	DP=158;VI GT:PL	0/1:255,0,255
SMV_HN4	1943 .	A	G	222 .	DP=157;VI GT:PL	0/1:255,0,255
SMV_HN4	1946 .	A	G	41.8329 .	DP=158;VI GT:PL	0/1:77,0,255
SMV_HN4	1949 .	C	T	222 .	DP=144;VI GT:PL	0/1:255,0,255
SMV_HN4	1958 .	G	A	222 .	DP=104;VI GT:PL	0/1:255,0,255
SMV_HN4	2002 .	T	A	19.0767 .	DP=114;VI GT:PL	0/1:55,0,255
SMV_HN4	2006 .	C	T	221 .	DP=119;VI GT:PL	0/1:255,0,247
SMV_HN4	2012 .	T	C	222 .	DP=127;VI GT:PL	0/1:255,0,255
SMV_HN4	2018 .	C	T	135 .	DP=159;VI GT:PL	0/1:169,0,255
SMV_HN4	2033 .	G	A	20.8747 .	DP=214;VI GT:PL	0/1:56,0,244
SMV_HN4	2036 .	T	C	222 .	DP=229;VI GT:PL	0/1:255,0,255
SMV_HN4	2054 .	A	G	89 .	DP=252;VI GT:PL	0/1:123,0,255
SMV_HN4	2060 .	G	A	220 .	DP=239;VI GT:PL	0/1:253,0,255
SMV_HN4	2063 .	T	C	222 .	DP=236;VI GT:PL	0/1:255,0,233
SMV_HN4	2069 .	A	G	206 .	DP=235;VI GT:PL	0/1:240,0,255
SMV_HN4	2078 .	A	G	222 .	DP=209;VI GT:PL	0/1:255,0,255
SMV_HN4	2099 .	A	G	222 .	DP=176;VI GT:PL	0/1:255,0,255
SMV_HN4	2100 .	C	T	58 .	DP=175;VI GT:PL	0/1:93,0,255

SMV_HN4	2121	T	C	35.1937	DP=237;VI GT:PL	0/1:70,0,252
SMV_HN4	2129	A	G	80	DP=241;VI GT:PL	0/1:114,0,255
SMV_HN4	2144	C	T	116	DP=240;VI GT:PL	0/1:150,0,255
SMV_HN4	2156	T	C	104	DP=244;VI GT:PL	0/1:138,0,255
SMV_HN4	2165	T	C	22.0999	DP=216;VI GT:PL	0/1:57,0,255
SMV_HN4	2168	A	G	222	DP=209;VI GT:PL	0/1:255,0,255
SMV_HN4	2180	T	C	222	DP=149;VI GT:PL	0/1:255,0,255
SMV_HN4	2186	C	T	146	DP=88;VDI GT:PL	0/1:179,0,255
SMV_HN4	2195	T	C	43.3176	DP=56;VDI GT:PL	0/1:78,0,255
SMV_HN4	2196	T	C	44.3163	DP=55;VDI GT:PL	0/1:79,0,255
SMV_HN4	2198	G	A	12.9385	DP=57;VDI GT:PL	0/1:49,0,255
SMV_HN4	2219	C	T	40.779	DP=63;VDI GT:PL	0/1:76,0,255
SMV_HN4	2225	C	T	222	DP=53;VDI GT:PL	0/1:255,0,255
SMV_HN4	2228	G	A	212	DP=53;VDI GT:PL	0/1:245,0,255
SMV_HN4	2231	T	A	222	DP=54;VDI GT:PL	0/1:255,0,246
SMV_HN4	2234	C	T	134	DP=53;VDI GT:PL	0/1:168,0,255
SMV_HN4	2243	A	T	150	DP=52;VDI GT:PL	0/1:184,0,255
SMV_HN4	2249	G	A	129	DP=48;VDI GT:PL	0/1:163,0,255
SMV_HN4	2255	T	C	101	DP=43;VDI GT:PL	0/1:135,0,255
SMV_HN4	2258	G	A	157	DP=41;VDI GT:PL	0/1:190,0,255
SMV_HN4	2261	C	T	102	DP=40;VDI GT:PL	0/1:136,0,255
SMV_HN4	2267	A	T	222	DP=42;VDI GT:PL	0/1:255,0,175
SMV_HN4	2285	G	A	107	DP=51;VDI GT:PL	0/1:141,0,255
SMV_HN4	2288	T	C	134	DP=53;VDI GT:PL	0/1:168,0,255
SMV_HN4	2315	C	T	154	DP=53;VDI GT:PL	0/1:188,0,255
SMV_HN4	2336	C	T	222	DP=72;VDI GT:PL	0/1:255,0,255
SMV_HN4	2339	C	T	222	DP=76;VDI GT:PL	0/1:255,0,255
SMV_HN4	2363	G	A	105	DP=149;VI GT:PL	0/1:139,0,255
SMV_HN4	2366	A	G	96	DP=152;VI GT:PL	0/1:130,0,255
SMV_HN4	2385	T	C	222	DP=176;VI GT:PL	0/1:255,0,255
SMV_HN4	2387	G	T	222	DP=179;VI GT:PL	0/1:255,0,255
SMV_HN4	2418	G	A	8.86008	DP=159;VI GT:PL	0/1:44,0,255
SMV_HN4	2432	A	G	4.30876	DP=136;VI GT:PL	0/1:38,0,255
SMV_HN4	2447	T	C	126	DP=154;VI GT:PL	0/1:160,0,255
SMV_HN4	2450	C	T	222	DP=158;VI GT:PL	0/1:255,0,255
SMV_HN4	2459	C	T	61	DP=166;VI GT:PL	0/1:96,0,255
SMV_HN4	2460	T	C	158	DP=168;VI GT:PL	0/1:192,0,255
SMV_HN4	2477	C	T	96	DP=218;VI GT:PL	0/1:130,0,255
SMV_HN4	2478	T	C	222	DP=221;VI GT:PL	0/1:255,0,255
SMV_HN4	2483	T	C	140	DP=238;VI GT:PL	0/1:174,0,255
SMV_HN4	2549	A	G	222	DP=144;VI GT:PL	0/1:255,0,255
SMV_HN4	2558	C	T	222	DP=135;VI GT:PL	0/1:255,0,255
SMV_HN4	2567	T	A	222	DP=126;VI GT:PL	0/1:255,0,255
SMV_HN4	2568	C	T	222	DP=128;VI GT:PL	0/1:255,0,255
SMV_HN4	2576	G	A	222	DP=123;VI GT:PL	0/1:255,0,255
SMV_HN4	2582	C	T	222	DP=109;VI GT:PL	0/1:255,0,255
SMV_HN4	2603	T	C	98	DP=111;VI GT:PL	0/1:133,0,255
SMV_HN4	2607	C	T	222	DP=119;VI GT:PL	0/1:255,0,255
SMV_HN4	2618	A	G	220	DP=121;VI GT:PL	0/1:254,0,255
SMV_HN4	2636	A	G	53	DP=155;VI GT:PL	0/1:88,0,255
SMV_HN4	2642	T	A	27.4127	DP=158;VI GT:PL	0/1:63,0,255
SMV_HN4	2648	G	A	222	DP=156;VI GT:PL	0/1:255,0,255
SMV_HN4	2657	T	C	222	DP=121;VI GT:PL	0/1:255,0,255
SMV_HN4	2660	C	T	222	DP=126;VI GT:PL	0/1:255,0,255
SMV_HN4	2661	T	C	120	DP=125;VI GT:PL	0/1:155,0,255
SMV_HN4	2663	A	G	5.10427	DP=134;VI GT:PL	0/1:39,0,255
SMV_HN4	2669	T	C	222	DP=142;VI GT:PL	0/1:255,0,255
SMV_HN4	2672	C	T	222	DP=140;VI GT:PL	0/1:255,0,255
SMV_HN4	2681	A	G	222	DP=139;VI GT:PL	0/1:255,0,255
SMV_HN4	2687	T	G	222	DP=129;VI GT:PL	0/1:255,0,255
SMV_HN4	2699	A	G	95	DP=141;VI GT:PL	0/1:130,0,255
SMV_HN4	2714	G	A	211	DP=140;VI GT:PL	0/1:244,0,255
SMV_HN4	2723	C	T	172	DP=129;VI GT:PL	0/1:206,0,255
SMV_HN4	2732	G	A	220	DP=112;VI GT:PL	0/1:255,0,151
SMV_HN4	2744	C	T	121	DP=66;VDI GT:PL	0/1:155,0,255
SMV_HN4	2746	A	G	186	DP=64;VDI GT:PL	0/1:219,0,255
SMV_HN4	2771	A	G	222	DP=259;VI GT:PL	0/1:255,0,255
SMV_HN4	2774	C	T	220	DP=269;VI GT:PL	0/1:255,0,73
SMV_HN4	2783	C	T	222	DP=309;VI GT:PL	0/1:255,0,255
SMV_HN4	2786	A	G	222	DP=313;VI GT:PL	0/1:255,0,255
SMV_HN4	2792	C	T	184	DP=342;VI GT:PL	0/1:217,0,255
SMV_HN4	2813	C	T	222	DP=372;VI GT:PL	0/1:255,0,255
SMV_HN4	2849	C	T	222	DP=134;VI GT:PL	0/1:255,0,255
SMV_HN4	2854	C	T	220	DP=135;VI GT:PL	1/1:247,0,0
SMV_HN4	2869	C	T	221	DP=195;VI GT:PL	0/1:255,0,242
SMV_HN4	2888	A	G	81	DP=225;VI GT:PL	0/1:116,0,255
SMV_HN4	2996	C	A	222	DP=107;VI GT:PL	0/1:255,0,255

SMV_HN4	3020	T	C	222	DP=159;VI GT:PL	0/1:255,0,255
SMV_HN4	3044	A	T	210	DP=146;VI GT:PL	0/1:244,0,255
SMV_HN4	3068	A	G	222	DP=109;VI GT:PL	0/1:255,0,255
SMV_HN4	3069	T	C	111	DP=109;VI GT:PL	0/1:145,0,255
SMV_HN4	3071	T	C	228	DP=112;VI GT:PL	1/1:255,26,0
SMV_HN4	3077	C	T	221	DP=150;VI GT:PL	0/1:255,0,193
SMV_HN4	3086	T	C	222	DP=142;VI GT:PL	0/1:255,0,255
SMV_HN4	3089	T	C	228	DP=134;VI GT:PL	1/1:255,99,0
SMV_HN4	3128	C	T	222	DP=186;VI GT:PL	0/1:255,0,255
SMV_HN4	3141	T	C	222	DP=199;VI GT:PL	0/1:255,0,255
SMV_HN4	3146	T	C	76	DP=209;VI GT:PL	0/1:111,0,255
SMV_HN4	3164	G	A	222	DP=229;VI GT:PL	0/1:255,0,255
SMV_HN4	3165	C	T	137	DP=244;VI GT:PL	0/1:171,0,255
SMV_HN4	3194	A	G	222	DP=482;VI GT:PL	0/1:255,0,255
SMV_HN4	3207	T	C	222	DP=576;VI GT:PL	0/1:255,0,255
SMV_HN4	3210	A	G	222	DP=578;VI GT:PL	0/1:255,0,255
SMV_HN4	3213	G	A	63	DP=573;VI GT:PL	0/1:97,0,255
SMV_HN4	3293	C	T	222	DP=160;VI GT:PL	0/1:255,0,255
SMV_HN4	3308	A	G	222	DP=350;VI GT:PL	0/1:255,0,255
SMV_HN4	3323	T	A	222	DP=457;VI GT:PL	0/1:255,0,255
SMV_HN4	3332	C	T	86	DP=504;VI GT:PL	0/1:121,0,255
SMV_HN4	3336	C	T	34.6784	DP=508;VI GT:PL	0/1:69,0,255
SMV_HN4	3341	T	C	222	DP=500;VI GT:PL	0/1:255,0,255
SMV_HN4	3344	C	T	222	DP=496;VI GT:PL	0/1:255,0,255
SMV_HN4	3374	A	G	95	DP=478;VI GT:PL	0/1:129,0,255
SMV_HN4	3434	T	C	222	DP=179;VI GT:PL	0/1:255,0,255
SMV_HN4	3458	T	A	128	DP=195;VI GT:PL	0/1:162,0,255
SMV_HN4	3479	G	A	76	DP=125;VI GT:PL	0/1:111,0,255
SMV_HN4	3482	T	C	152	DP=118;VI GT:PL	0/1:186,0,255
SMV_HN4	3488	A	G	84	DP=120;VI GT:PL	0/1:119,0,255
SMV_HN4	3491	A	G	19.0118	DP=119;VI GT:PL	0/1:55,0,255
SMV_HN4	3494	G	A	222	DP=118;VI GT:PL	0/1:255,0,255
SMV_HN4	3497	C	T	64	DP=118;VI GT:PL	0/1:99,0,255
SMV_HN4	3501	T	C	48.869	DP=119;VI GT:PL	0/1:84,0,255
SMV_HN4	3503	G	A	222	DP=120;VI GT:PL	0/1:255,0,255
SMV_HN4	3507	G	A	102	DP=121;VI GT:PL	0/1:137,0,255
SMV_HN4	3527	T	C	222	DP=95;VDI GT:PL	0/1:255,0,255
SMV_HN4	3548	T	C	113	DP=86;VDI GT:PL	0/1:147,0,255
SMV_HN4	3557	G	A	52	DP=95;VDI GT:PL	0/1:87,0,255
SMV_HN4	3565	A	G	13.4064	DP=111;VI GT:PL	0/1:49,0,255
SMV_HN4	3578	T	C	222	DP=114;VI GT:PL	0/1:255,0,255
SMV_HN4	3629	T	C	176	DP=181;VI GT:PL	0/1:210,0,255
SMV_HN4	3632	T	C	222	DP=185;VI GT:PL	0/1:255,0,255
SMV_HN4	3644	T	C	222	DP=197;VI GT:PL	0/1:255,0,255
SMV_HN4	3653	G	A	222	DP=212;VI GT:PL	0/1:255,0,255
SMV_HN4	3677	A	G	7.00834	DP=287;VI GT:PL	0/1:41,0,255
SMV_HN4	3707	A	G	221	DP=428;VI GT:PL	0/1:255,0,140
SMV_HN4	3716	A	G	221	DP=477;VI GT:PL	0/1:255,0,73
SMV_HN4	3732	C	A	222	DP=517;VI GT:PL	0/1:255,0,255
SMV_HN4	3750	A	G	35.3052	DP=461;VI GT:PL	0/1:70,0,255
SMV_HN4	3762	G	A	5.5306	DP=477;VI GT:PL	0/1:39,0,250
SMV_HN4	3836	T	C	222	DP=329;VI GT:PL	0/1:255,0,255
SMV_HN4	3842	C	T	222	DP=319;VI GT:PL	0/1:255,0,255
SMV_HN4	3866	A	G	39.9576	DP=197;VI GT:PL	0/1:75,0,255
SMV_HN4	3869	G	A	222	DP=207;VI GT:PL	0/1:255,0,255
SMV_HN4	3890	G	A	160	DP=301;VI GT:PL	0/1:194,0,255
SMV_HN4	3915	T	C	216	DP=334;VI GT:PL	0/1:249,0,255
SMV_HN4	3932	C	T	222	DP=332;VI GT:PL	0/1:255,0,255
SMV_HN4	3938	A	G	12.5463	DP=337;VI GT:PL	0/1:47,0,255
SMV_HN4	3956	A	G	77	DP=187;VI GT:PL	0/1:111,0,255
SMV_HN4	3971	C	T	175	DP=196;VI GT:PL	0/1:209,0,255
SMV_HN4	3974	A	T	37.8073	DP=186;VI GT:PL	0/1:73,0,255
SMV_HN4	3989	C	T	104	DP=152;VI GT:PL	0/1:139,0,255
SMV_HN4	4001	G	A	180	DP=157;VI GT:PL	0/1:214,0,255
SMV_HN4	4010	C	T	222	DP=202;VI GT:PL	0/1:255,0,255
SMV_HN4	4022	T	C	222	DP=226;VI GT:PL	0/1:255,0,255
SMV_HN4	4025	C	T	128	DP=219;VI GT:PL	0/1:162,0,255
SMV_HN4	4028	C	T	220	DP=191;VI GT:PL	0/1:255,0,166
SMV_HN4	4034	A	G	106	DP=167;VI GT:PL	0/1:140,0,255
SMV_HN4	4038	C	T	204	DP=160;VI GT:PL	0/1:238,0,255
SMV_HN4	4070	A	G	17.5786	DP=198;VI GT:PL	0/1:53,0,255
SMV_HN4	4094	G	A	222	DP=168;VI GT:PL	0/1:255,0,255
SMV_HN4	4118	G	A	222	DP=241;VI GT:PL	0/1:255,0,255
SMV_HN4	4121	A	G	222	DP=259;VI GT:PL	0/1:255,0,255
SMV_HN4	4160	A	G	222	DP=215;VI GT:PL	0/1:255,0,255
SMV_HN4	4169	A	G	161	DP=222;VI GT:PL	0/1:195,0,255
SMV_HN4	4190	A	G	222	DP=171;VI GT:PL	0/1:255,0,255

SMV_HN4	4253 .	A	G	222 .	DP=368;VI GT:PL	0/1:255,0,255
SMV_HN4	4268 .	T	C	195 .	DP=393;VI GT:PL	0/1:229,0,255
SMV_HN4	4280 .	C	T	172 .	DP=387;VI GT:PL	0/1:206,0,255
SMV_HN4	4307 .	C	T	222 .	DP=234;VI GT:PL	0/1:255,0,255
SMV_HN4	4328 .	C	T	222 .	DP=276;VI GT:PL	0/1:255,0,255
SMV_HN4	4352 .	C	T	222 .	DP=432;VI GT:PL	0/1:255,0,255
SMV_HN4	4355 .	G	A	222 .	DP=509;VI GT:PL	0/1:255,0,255
SMV_HN4	4433 .	A	G	37.277 .	DP=261;VI GT:PL	0/1:72,0,255
SMV_HN4	4436 .	A	G	222 .	DP=245;VI GT:PL	0/1:255,0,255
SMV_HN4	4454 .	C	T	201 .	DP=186;VI GT:PL	0/1:235,0,255
SMV_HN4	4463 .	C	T	11.7906 .	DP=149;VI GT:PL	0/1:47,0,255
SMV_HN4	4481 .	G	A	222 .	DP=205;VI GT:PL	0/1:255,0,255
SMV_HN4	4499 .	C	T	222 .	DP=242;VI GT:PL	0/1:255,0,255
SMV_HN4	4514 .	G	A	222 .	DP=253;VI GT:PL	0/1:255,0,221
SMV_HN4	4529 .	T	A	123 .	DP=239;VI GT:PL	0/1:157,0,255
SMV_HN4	4532 .	T	C	222 .	DP=253;VI GT:PL	0/1:255,0,255
SMV_HN4	4538 .	C	T	57 .	DP=262;VI GT:PL	0/1:91,0,255
SMV_HN4	4559 .	T	C	112 .	DP=177;VI GT:PL	0/1:147,0,255
SMV_HN4	4580 .	T	C	222 .	DP=175;VI GT:PL	0/1:255,0,255
SMV_HN4	4595 .	T	C	222 .	DP=183;VI GT:PL	0/1:255,0,255
SMV_HN4	4598 .	A	G	222 .	DP=190;VI GT:PL	0/1:255,0,255
SMV_HN4	4610 .	A	G	222 .	DP=189;VI GT:PL	0/1:255,0,255
SMV_HN4	4631 .	A	G	8.50632 .	DP=234;VI GT:PL	0/1:43,0,254
SMV_HN4	4637 .	A	G	222 .	DP=227;VI GT:PL	0/1:255,0,255
SMV_HN4	4655 .	G	A	133 .	DP=235;VI GT:PL	0/1:167,0,255
SMV_HN4	4665 .	G	A	54 .	DP=256;VI GT:PL	0/1:89,0,255
SMV_HN4	4703 .	C	T	222 .	DP=569;VI GT:PL	0/1:255,0,255
SMV_HN4	4718 .	T	C	207 .	DP=588;VI GT:PL	0/1:240,0,255
SMV_HN4	4724 .	G	C	86 .	DP=560;VI GT:PL	0/1:121,0,255
SMV_HN4	4725 .	T	C	99 .	DP=557;VI GT:PL	0/1:133,0,255
SMV_HN4	4733 .	T	C	179 .	DP=501;VI GT:PL	0/1:213,0,255
SMV_HN4	4757 .	T	C	222 .	DP=268;VI GT:PL	0/1:255,0,255
SMV_HN4	4761 .	C	T	41.3963 .	DP=288;VI GT:PL	0/1:76,0,255
SMV_HN4	4766 .	C	T	222 .	DP=336;VI GT:PL	0/1:255,0,255
SMV_HN4	4778 .	G	A	222 .	DP=475;VI GT:PL	0/1:255,0,255
SMV_HN4	4793 .	A	G	120 .	DP=609;VI GT:PL	0/1:154,0,255
SMV_HN4	4797 .	C	T	222 .	DP=620;VI GT:PL	0/1:255,0,255
SMV_HN4	4820 .	T	C	173 .	DP=555;VI GT:PL	0/1:207,0,255
SMV_HN4	4829 .	T	C	61 .	DP=528;VI GT:PL	0/1:96,0,255
SMV_HN4	4833 .	T	C	222 .	DP=527;VI GT:PL	0/1:255,0,255
SMV_HN4	4865 .	A	G	122 .	DP=185;VI GT:PL	0/1:156,0,255
SMV_HN4	4868 .	T	C	222 .	DP=187;VI GT:PL	0/1:255,0,255
SMV_HN4	4875 .	C	T	222 .	DP=203;VI GT:PL	0/1:255,0,255
SMV_HN4	4889 .	C	T	222 .	DP=250;VI GT:PL	0/1:255,0,255
SMV_HN4	4914 .	T	C	97 .	DP=328;VI GT:PL	0/1:131,0,255
SMV_HN4	4919 .	C	T	78 .	DP=323;VI GT:PL	0/1:112,0,255
SMV_HN4	4923 .	T	C	16.4788 .	DP=308;VI GT:PL	0/1:51,0,255
SMV_HN4	4925 .	A	G	16.4085 .	DP=306;VI GT:PL	0/1:51,0,255
SMV_HN4	4956 .	A	G	222 .	DP=197;VI GT:PL	0/1:255,0,255
SMV_HN4	4958 .	A	G	133 .	DP=202;VI GT:PL	0/1:167,0,255
SMV_HN4	4986 .	A	G	222 .	DP=514;VI GT:PL	0/1:255,0,255
SMV_HN4	4988 .	C	T	100 .	DP=578;VI GT:PL	0/1:134,0,255
SMV_HN4	4994 .	C	T	222 .	DP=711;VI GT:PL	0/1:255,0,255
SMV_HN4	5000 .	T	C	216 .	DP=722;VI GT:PL	0/1:249,0,255
SMV_HN4	5012 .	G	A	134 .	DP=760;VI GT:PL	0/1:168,0,255
SMV_HN4	5045 .	C	T	222 .	DP=672;VI GT:PL	0/1:255,0,255
SMV_HN4	5054 .	T	C	127 .	DP=499;VI GT:PL	0/1:161,0,255
SMV_HN4	5102 .	C	T	222 .	DP=300;VI GT:PL	0/1:255,0,255
SMV_HN4	5123 .	T	C	208 .	DP=497;VI GT:PL	0/1:242,0,255
SMV_HN4	5156 .	T	C	222 .	DP=653;VI GT:PL	0/1:255,0,255
SMV_HN4	5198 .	A	G	222 .	DP=501;VI GT:PL	0/1:255,0,255
SMV_HN4	5210 .	A	G	222 .	DP=437;VI GT:PL	0/1:255,0,255
SMV_HN4	5216 .	T	C	222 .	DP=406;VI GT:PL	0/1:255,0,255
SMV_HN4	5247 .	G	T	47.4808 .	DP=680;VI GT:PL	0/1:82,0,255
SMV_HN4	5258 .	G	A	106 .	DP=677;VI GT:PL	0/1:140,0,255
SMV_HN4	5259 .	C	T	222 .	DP=674;VI GT:PL	0/1:255,0,255
SMV_HN4	5288 .	T	C	25.0212 .	DP=641;VI GT:PL	0/1:60,0,255
SMV_HN4	5291 .	A	G	24.3182 .	DP=640;VI GT:PL	0/1:59,0,255
SMV_HN4	5292 .	T	A	39.5002 .	DP=649;VI GT:PL	0/1:74,0,255
SMV_HN4	5297 .	G	A	222 .	DP=635;VI GT:PL	0/1:255,0,255
SMV_HN4	5306 .	T	C	222 .	DP=469;VI GT:PL	0/1:255,0,255
SMV_HN4	5309 .	A	G	222 .	DP=464;VI GT:PL	0/1:255,0,255
SMV_HN4	5327 .	T	C	90 .	DP=381;VI GT:PL	0/1:124,0,255
SMV_HN4	5339 .	C	T	67 .	DP=331;VI GT:PL	0/1:102,0,255
SMV_HN4	5340 .	T	C	222 .	DP=327;VI GT:PL	0/1:255,0,255
SMV_HN4	5366 .	A	G	105 .	DP=361;VI GT:PL	0/1:139,0,255
SMV_HN4	5369 .	A	G	134 .	DP=385;VI GT:PL	0/1:168,0,255

SMV_HN4	5375 .	C	T	222 .	DP=399;VI GT:PL	0/1:255,0,255
SMV_HN4	5427 .	T	C	116 .	DP=420;VI GT:PL	0/1:150,0,255
SMV_HN4	5429 .	A	G	69 .	DP=416;VI GT:PL	0/1:103,0,255
SMV_HN4	5438 .	T	C	222 .	DP=382;VI GT:PL	0/1:255,0,255
SMV_HN4	5453 .	G	A	222 .	DP=289;VI GT:PL	0/1:255,0,255
SMV_HN4	5456 .	A	T	222 .	DP=267;VI GT:PL	0/1:255,0,255
SMV_HN4	5472 .	C	T	222 .	DP=257;VI GT:PL	0/1:255,0,255
SMV_HN4	5480 .	T	C	43.1993 .	DP=271;VI GT:PL	0/1:78,0,255
SMV_HN4	5483 .	G	A	228 .	DP=275;VI GT:PL	1/1:255,122,0
SMV_HN4	5498 .	A	G	202 .	DP=270;VI GT:PL	0/1:235,0,255
SMV_HN4	5522 .	A	T	206 .	DP=325;VI GT:PL	0/1:255,17,255
SMV_HN4	5546 .	C	T	172 .	DP=351;VI GT:PL	0/1:206,0,255
SMV_HN4	5561 .	A	G	6.90306 .	DP=390;VI GT:PL	0/1:41,0,255
SMV_HN4	5571 .	T	C	165 .	DP=486;VI GT:PL	0/1:199,0,255
SMV_HN4	5621 .	G	A	112 .	DP=368;VI GT:PL	0/1:146,0,255
SMV_HN4	5630 .	G	A	222 .	DP=360;VI GT:PL	0/1:255,0,255
SMV_HN4	5639 .	T	C	37.5857 .	DP=381;VI GT:PL	0/1:72,0,255
SMV_HN4	5642 .	A	G	222 .	DP=308;VI GT:PL	0/1:255,0,255
SMV_HN4	5654 .	C	T	60 .	DP=307;VI GT:PL	0/1:94,0,255
SMV_HN4	5660 .	G	A	222 .	DP=325;VI GT:PL	0/1:255,0,255
SMV_HN4	5675 .	G	A	10.2189 .	DP=501;VI GT:PL	0/1:45,0,255
SMV_HN4	5678 .	C	T	43.8668 .	DP=540;VI GT:PL	0/1:79,0,255
SMV_HN4	5687 .	C	T	20.2094 .	DP=662;VI GT:PL	0/1:55,0,255
SMV_HN4	5693 .	C	T	222 .	DP=671;VI GT:PL	0/1:255,0,255
SMV_HN4	5717 .	C	A	221 .	DP=690;VI GT:PL	0/1:255,0,220
SMV_HN4	5720 .	C	T	222 .	DP=693;VI GT:PL	0/1:255,0,255
SMV_HN4	5744 .	T	C	198 .	DP=661;VI GT:PL	0/1:232,0,255
SMV_HN4	5753 .	C	T	222 .	DP=579;VI GT:PL	0/1:255,0,255
SMV_HN4	5762 .	G	A	155 .	DP=507;VI GT:PL	0/1:189,0,255
SMV_HN4	5780 .	A	G	222 .	DP=778;VI GT:PL	0/1:255,0,255
SMV_HN4	5783 .	T	C	222 .	DP=770;VI GT:PL	0/1:255,0,246
SMV_HN4	5792 .	C	T	222 .	DP=763;VI GT:PL	0/1:255,0,255
SMV_HN4	5793 .	T	C	222 .	DP=765;VI GT:PL	0/1:255,0,255
SMV_HN4	5795 .	G	A	222 .	DP=796;VI GT:PL	0/1:255,0,255
SMV_HN4	5831 .	G	A	117 .	DP=919;VI GT:PL	0/1:150,0,255
SMV_HN4	5837 .	A	T	60 .	DP=921;VI GT:PL	0/1:94,0,255
SMV_HN4	5843 .	G	T	208 .	DP=814;VI GT:PL	0/1:241,0,255
SMV_HN4	5873 .	C	T	222 .	DP=817;VI GT:PL	0/1:255,0,255
SMV_HN4	5876 .	A	G	199 .	DP=818;VI GT:PL	0/1:232,0,255
SMV_HN4	5882 .	T	C	222 .	DP=875;VI GT:PL	0/1:255,0,255
SMV_HN4	5888 .	A	G	78 .	DP=874;VI GT:PL	0/1:112,0,255
SMV_HN4	5894 .	T	G	186 .	DP=882;VI GT:PL	0/1:220,0,255
SMV_HN4	5897 .	A	G	111 .	DP=874;VI GT:PL	0/1:145,0,255
SMV_HN4	5912 .	G	T	221 .	DP=779;VI GT:PL	0/1:255,0,255
SMV_HN4	5936 .	A	G	222 .	DP=544;VI GT:PL	0/1:255,0,235
SMV_HN4	5943 .	C	T	221 .	DP=437;VI GT:PL	0/1:255,0,151
SMV_HN4	5948 .	C	T	221 .	DP=438;VI GT:PL	0/1:255,0,244
SMV_HN4	5951 .	G	A	87 .	DP=490;VI GT:PL	0/1:121,0,255
SMV_HN4	5976 .	C	T	129 .	DP=913;VI GT:PL	0/1:163,0,255
SMV_HN4	5990 .	T	C	222 .	DP=939;VI GT:PL	0/1:255,0,222
SMV_HN4	5999 .	G	A	222 .	DP=898;VI GT:PL	0/1:255,0,255
SMV_HN4	6026 .	T	C	148 .	DP=765;VI GT:PL	0/1:182,0,255
SMV_HN4	6038 .	T	C	222 .	DP=419;VI GT:PL	0/1:255,0,255
SMV_HN4	6044 .	C	T	148 .	DP=362;VI GT:PL	0/1:182,0,255
SMV_HN4	6077 .	A	G	84 .	DP=660;VI GT:PL	0/1:118,0,255
SMV_HN4	6086 .	T	A	49.2464 .	DP=762;VI GT:PL	0/1:84,0,255
SMV_HN4	6122 .	A	G	163 .	DP=700;VI GT:PL	0/1:196,0,255
SMV_HN4	6128 .	A	G	178 .	DP=676;VI GT:PL	0/1:212,0,255
SMV_HN4	6132 .	T	C	222 .	DP=651;VI GT:PL	0/1:255,0,255
SMV_HN4	6136 .	A	G	217 .	DP=619;VI GT:PL	0/1:250,0,255
SMV_HN4	6143 .	C	T	222 .	DP=559;VI GT:PL	0/1:255,0,255
SMV_HN4	6158 .	G	A	222 .	DP=235;VI GT:PL	0/1:255,0,255
SMV_HN4	6164 .	G	A	222 .	DP=281;VI GT:PL	0/1:255,0,255
SMV_HN4	6182 .	A	G	209 .	DP=711;VI GT:PL	0/1:243,0,255
SMV_HN4	6188 .	T	C	222 .	DP=761;VI GT:PL	0/1:255,0,255
SMV_HN4	6191 .	C	T	222 .	DP=754;VI GT:PL	0/1:255,0,255
SMV_HN4	6200 .	C	T	127 .	DP=843;VI GT:PL	0/1:161,0,255
SMV_HN4	6225 .	C	T	222 .	DP=1013;V GT:PL	0/1:255,0,255
SMV_HN4	6227 .	C	A	222 .	DP=1017;V GT:PL	0/1:255,0,255
SMV_HN4	6236 .	A	G	32.2131 .	DP=1036;V GT:PL	0/1:67,0,255
SMV_HN4	6239 .	C	T	219 .	DP=1045;V GT:PL	0/1:252,0,255
SMV_HN4	6251 .	G	A	222 .	DP=636;VI GT:PL	0/1:255,0,255
SMV_HN4	6260 .	C	T	42.0402 .	DP=545;VI GT:PL	0/1:76,0,255
SMV_HN4	6293 .	C	T	222 .	DP=725;VI GT:PL	0/1:255,0,255
SMV_HN4	6320 .	T	C	222 .	DP=930;VI GT:PL	0/1:255,0,255
SMV_HN4	6323 .	G	A	222 .	DP=963;VI GT:PL	0/1:255,0,255
SMV_HN4	6341 .	C	T	222 .	DP=1367;V GT:PL	0/1:255,0,255

SMV_HN4	6389	A	G	221	DP=735;VI GT:PL	0/1:255,0,123
SMV_HN4	6401	C	T	221	DP=624;VI GT:PL	0/1:255,0,222
SMV_HN4	6407	T	C	134	DP=442;VI GT:PL	0/1:168,0,255
SMV_HN4	6410	A	G	149	DP=381;VI GT:PL	0/1:183,0,255
SMV_HN4	6416	A	G	222	DP=303;VI GT:PL	0/1:255,0,255
SMV_HN4	6426	C	T	222	DP=499;VI GT:PL	0/1:255,0,255
SMV_HN4	6446	C	T	222	DP=616;VI GT:PL	0/1:255,0,255
SMV_HN4	6455	A	G	222	DP=630;VI GT:PL	0/1:255,0,255
SMV_HN4	6458	T	C	222	DP=629;VI GT:PL	0/1:255,0,255
SMV_HN4	6464	G	A	112	DP=645;VI GT:PL	0/1:146,0,255
SMV_HN4	6471	C	T	222	DP=610;VI GT:PL	0/1:255,0,255
SMV_HN4	6473	C	T	23.1249	DP=623;VI GT:PL	0/1:58,0,255
SMV_HN4	6476	T	C	222	DP=595;VI GT:PL	0/1:255,0,255
SMV_HN4	6503	A	T	214	DP=384;VI GT:PL	1/1:241,59,0
SMV_HN4	6506	T	C	222	DP=390;VI GT:PL	0/1:255,0,255
SMV_HN4	6521	T	C	222	DP=342;VI GT:PL	0/1:255,0,255
SMV_HN4	6527	A	G	222	DP=328;VI GT:PL	0/1:255,0,255
SMV_HN4	6530	G	A	7.91524	DP=328;VI GT:PL	0/1:42,0,255
SMV_HN4	6563	T	A	85	DP=266;VI GT:PL	0/1:119,0,255
SMV_HN4	6566	G	T	129	DP=281;VI GT:PL	0/1:163,0,255
SMV_HN4	6575	A	T	222	DP=289;VI GT:PL	0/1:255,0,255
SMV_HN4	6578	G	A	222	DP=260;VI GT:PL	0/1:255,0,255
SMV_HN4	6587	T	C	222	DP=421;VI GT:PL	0/1:255,0,255
SMV_HN4	6602	T	C	222	DP=491;VI GT:PL	0/1:255,0,255
SMV_HN4	6617	A	G	147	DP=535;VI GT:PL	0/1:181,0,255
SMV_HN4	6632	G	A	97	DP=541;VI GT:PL	0/1:131,0,255
SMV_HN4	6635	G	A	112	DP=534;VI GT:PL	0/1:146,0,255
SMV_HN4	6641	C	T	222	DP=518;VI GT:PL	0/1:255,0,217
SMV_HN4	6644	T	C	120	DP=510;VI GT:PL	0/1:154,0,255
SMV_HN4	6650	T	G	184	DP=416;VI GT:PL	0/1:217,0,255
SMV_HN4	6662	C	T	192	DP=301;VI GT:PL	0/1:225,0,255
SMV_HN4	6665	T	C	82	DP=307;VI GT:PL	0/1:116,0,255
SMV_HN4	6671	A	T	197	DP=303;VI GT:PL	0/1:230,0,255
SMV_HN4	6680	A	G	48.9434	DP=291;VI GT:PL	0/1:83,0,255
SMV_HN4	6689	T	C	222	DP=289;VI GT:PL	0/1:255,0,255
SMV_HN4	6698	A	G	88	DP=245;VI GT:PL	0/1:122,0,255
SMV_HN4	6701	G	A	174	DP=244;VI GT:PL	0/1:208,0,255
SMV_HN4	6710	T	C	222	DP=259;VI GT:PL	0/1:255,0,255
SMV_HN4	6731	A	G	222	DP=325;VI GT:PL	0/1:255,0,255
SMV_HN4	6740	G	A	152	DP=492;VI GT:PL	0/1:185,0,255
SMV_HN4	6743	A	G	177	DP=478;VI GT:PL	0/1:211,0,255
SMV_HN4	6746	C	T	222	DP=488;VI GT:PL	0/1:255,0,255
SMV_HN4	6749	G	A	222	DP=628;VI GT:PL	0/1:255,0,255
SMV_HN4	6758	T	C	92	DP=817;VI GT:PL	0/1:127,0,255
SMV_HN4	6761	T	C	197	DP=836;VI GT:PL	0/1:230,0,255
SMV_HN4	6764	C	T	194	DP=891;VI GT:PL	0/1:228,0,255
SMV_HN4	6770	A	G	222	DP=910;VI GT:PL	0/1:255,0,255
SMV_HN4	6782	T	C	112	DP=992;VI GT:PL	0/1:146,0,255
SMV_HN4	6800	C	T	86	DP=932;VI GT:PL	0/1:120,0,255
SMV_HN4	6821	G	A	222	DP=531;VI GT:PL	0/1:255,0,255
SMV_HN4	6824	T	C	222	DP=508;VI GT:PL	0/1:255,0,255
SMV_HN4	6839	A	G	110	DP=464;VI GT:PL	0/1:144,0,255
SMV_HN4	6875	A	G	222	DP=759;VI GT:PL	0/1:255,0,255
SMV_HN4	6881	C	T	171	DP=773;VI GT:PL	0/1:205,0,255
SMV_HN4	6887	A	T	222	DP=757;VI GT:PL	0/1:255,0,255
SMV_HN4	6890	T	C	222	DP=730;VI GT:PL	0/1:255,0,255
SMV_HN4	6902	A	T	179	DP=676;VI GT:PL	0/1:213,0,255
SMV_HN4	6910	A	G	222	DP=519;VI GT:PL	0/1:255,0,255
SMV_HN4	6914	G	A	222	DP=509;VI GT:PL	0/1:255,0,255
SMV_HN4	6917	G	A	222	DP=491;VI GT:PL	0/1:255,0,255
SMV_HN4	6926	C	T	222	DP=426;VI GT:PL	0/1:255,0,255
SMV_HN4	6941	G	A	222	DP=264;VI GT:PL	0/1:255,0,255
SMV_HN4	6944	T	C	222	DP=205;VI GT:PL	0/1:255,0,255
SMV_HN4	6948	C	T	222	DP=194;VI GT:PL	0/1:255,0,255
SMV_HN4	6965	A	G	45.6978	DP=173;VI GT:PL	0/1:81,0,255
SMV_HN4	6968	T	C	68	DP=190;VI GT:PL	0/1:103,0,255
SMV_HN4	6980	G	A	32.0137	DP=224;VI GT:PL	0/1:67,0,255
SMV_HN4	6992	T	C	15.988	DP=236;VI GT:PL	0/1:51,0,255
SMV_HN4	6995	T	G	208	DP=249;VI GT:PL	0/1:241,0,255
SMV_HN4	7007	G	A	222	DP=344;VI GT:PL	0/1:255,0,255
SMV_HN4	7019	T	C	222	DP=497;VI GT:PL	0/1:255,0,255
SMV_HN4	7022	A	G	149	DP=498;VI GT:PL	0/1:183,0,255
SMV_HN4	7028	T	C	171	DP=529;VI GT:PL	0/1:204,0,255
SMV_HN4	7040	C	T	220	DP=516;VI GT:PL	0/1:255,0,84
SMV_HN4	7043	A	G	16.7105	DP=515;VI GT:PL	0/1:51,0,255
SMV_HN4	7046	G	A	222	DP=509;VI GT:PL	0/1:255,0,255
SMV_HN4	7052	G	A	18.6497	DP=527;VI GT:PL	0/1:53,0,255



SMV_HN4	7064 .	A	G	15.9676 .	DP=482;VI GT:PL	0/1:51,0,255
SMV_HN4	7070 .	C	T	222 .	DP=455;VI GT:PL	0/1:255,0,255
SMV_HN4	7079 .	A	G	221 .	DP=347;VI GT:PL	0/1:255,0,226
SMV_HN4	7094 .	C	A	222 .	DP=159;VI GT:PL	0/1:255,0,255
SMV_HN4	7121 .	C	T	222 .	DP=248;VI GT:PL	0/1:255,0,255
SMV_HN4	7166 .	C	T	222 .	DP=283;VI GT:PL	0/1:255,0,255
SMV_HN4	7170 .	T	G	222 .	DP=271;VI GT:PL	0/1:255,0,255
SMV_HN4	7178 .	A	G	220 .	DP=207;VI GT:PL	0/1:255,0,102
SMV_HN4	7180 .	G	A	222 .	DP=191;VI GT:PL	0/1:255,0,255
SMV_HN4	7187 .	G	A	222 .	DP=146;VI GT:PL	0/1:255,0,255
SMV_HN4	7193 .	A	G	91 .	DP=146;VI GT:PL	0/1:126,0,255
SMV_HN4	7199 .	G	A	222 .	DP=148;VI GT:PL	0/1:255,0,255
SMV_HN4	7200 .	T	C	99 .	DP=150;VI GT:PL	0/1:133,0,255
SMV_HN4	7223 .	T	C	203 .	DP=233;VI GT:PL	1/1:230,58,0
SMV_HN4	7226 .	A	G	222 .	DP=242;VI GT:PL	0/1:255,0,255
SMV_HN4	7229 .	G	A	161 .	DP=258;VI GT:PL	0/1:195,0,255
SMV_HN4	7232 .	C	T	222 .	DP=273;VI GT:PL	0/1:255,0,255
SMV_HN4	7241 .	G	A	79 .	DP=278;VI GT:PL	0/1:114,0,255
SMV_HN4	7256 .	C	A	222 .	DP=426;VI GT:PL	0/1:255,0,255
SMV_HN4	7262 .	T	C	222 .	DP=475;VI GT:PL	0/1:255,0,255
SMV_HN4	7268 .	T	C	222 .	DP=537;VI GT:PL	0/1:255,0,255
SMV_HN4	7298 .	A	G	210 .	DP=596;VI GT:PL	0/1:243,0,255
SMV_HN4	7319 .	T	C	161 .	DP=752;VI GT:PL	0/1:195,0,255
SMV_HN4	7343 .	T	C	222 .	DP=670;VI GT:PL	0/1:255,0,255
SMV_HN4	7356 .	C	T	220 .	DP=616;VI GT:PL	0/1:255,0,73
SMV_HN4	7361 .	T	C	222 .	DP=728;VI GT:PL	0/1:255,0,255
SMV_HN4	7370 .	T	C	86 .	DP=670;VI GT:PL	0/1:120,0,255
SMV_HN4	7382 .	G	A	222 .	DP=655;VI GT:PL	0/1:255,0,255
SMV_HN4	7391 .	A	G	222 .	DP=809;VI GT:PL	0/1:255,0,255
SMV_HN4	7416 .	C	T	84 .	DP=1564;V GT:PL	0/1:118,0,255
SMV_HN4	7428 .	T	C	222 .	DP=1649;V GT:PL	0/1:255,0,255
SMV_HN4	7430 .	G	A	222 .	DP=1635;V GT:PL	0/1:255,0,255
SMV_HN4	7463 .	C	T	221 .	DP=1008;V GT:PL	0/1:255,0,196
SMV_HN4	7466 .	G	A	222 .	DP=981;VI GT:PL	0/1:255,0,255
SMV_HN4	7487 .	C	T	221 .	DP=499;VI GT:PL	0/1:255,0,101
SMV_HN4	7494 .	T	C	222 .	DP=411;VI GT:PL	0/1:255,0,255
SMV_HN4	7505 .	A	C	222 .	DP=345;VI GT:PL	0/1:255,0,255
SMV_HN4	7508 .	G	A	222 .	DP=334;VI GT:PL	0/1:255,0,255
SMV_HN4	7529 .	T	C	221 .	DP=251;VI GT:PL	0/1:255,0,158
SMV_HN4	7532 .	C	T	222 .	DP=210;VI GT:PL	0/1:255,0,255
SMV_HN4	7544 .	T	C	222 .	DP=174;VI GT:PL	0/1:255,0,255
SMV_HN4	7545 .	T	C	222 .	DP=171;VI GT:PL	0/1:255,0,255
SMV_HN4	7559 .	C	T	222 .	DP=175;VI GT:PL	0/1:255,0,255
SMV_HN4	7568 .	A	G	102 .	DP=164;VI GT:PL	0/1:137,0,255
SMV_HN4	7571 .	T	C	85 .	DP=176;VI GT:PL	0/1:120,0,255
SMV_HN4	7580 .	A	C	222 .	DP=203;VI GT:PL	0/1:255,0,255
SMV_HN4	7601 .	T	C	222 .	DP=309;VI GT:PL	0/1:255,0,255
SMV_HN4	7617 .	T	C	222 .	DP=427;VI GT:PL	0/1:255,0,255
SMV_HN4	7622 .	C	T	170 .	DP=422;VI GT:PL	0/1:203,0,255
SMV_HN4	7634 .	G	A	222 .	DP=484;VI GT:PL	0/1:255,0,255
SMV_HN4	7658 .	G	A	123 .	DP=622;VI GT:PL	0/1:157,0,255
SMV_HN4	7670 .	C	T	117 .	DP=577;VI GT:PL	0/1:151,0,255
SMV_HN4	7679 .	T	A	222 .	DP=492;VI GT:PL	0/1:255,0,255
SMV_HN4	7686 .	C	T	222 .	DP=496;VI GT:PL	0/1:255,0,255
SMV_HN4	7698 .	C	T	222 .	DP=526;VI GT:PL	0/1:255,0,255
SMV_HN4	7700 .	T	G	222 .	DP=531;VI GT:PL	0/1:255,0,255
SMV_HN4	7706 .	C	T	222 .	DP=529;VI GT:PL	0/1:255,0,255
SMV_HN4	7724 .	A	G	166 .	DP=559;VI GT:PL	0/1:200,0,255
SMV_HN4	7739 .	A	G	222 .	DP=484;VI GT:PL	0/1:255,0,255
SMV_HN4	7751 .	A	T	222 .	DP=764;VI GT:PL	0/1:255,0,255
SMV_HN4	7757 .	C	T	61 .	DP=1042;V GT:PL	0/1:96,0,255
SMV_HN4	7769 .	G	A	110 .	DP=1196;V GT:PL	0/1:145,0,255
SMV_HN4	7802 .	C	T	222 .	DP=1011;V GT:PL	0/1:255,0,255
SMV_HN4	7835 .	T	C	183 .	DP=463;VI GT:PL	0/1:216,0,255
SMV_HN4	7859 .	C	T	23.3285 .	DP=628;VI GT:PL	0/1:58,0,255
SMV_HN4	7862 .	T	C	186 .	DP=625;VI GT:PL	0/1:220,0,255
SMV_HN4	7874 .	G	A	222 .	DP=727;VI GT:PL	0/1:255,0,255
SMV_HN4	7892 .	C	T	221 .	DP=745;VI GT:PL	0/1:255,0,203
SMV_HN4	7895 .	G	T	221 .	DP=761;VI GT:PL	0/1:255,0,117
SMV_HN4	7919 .	T	G	222 .	DP=696;VI GT:PL	0/1:255,0,255
SMV_HN4	7928 .	C	T	222 .	DP=473;VI GT:PL	0/1:255,0,255
SMV_HN4	7931 .	A	G	222 .	DP=476;VI GT:PL	0/1:255,0,255
SMV_HN4	7937 .	G	A	222 .	DP=479;VI GT:PL	0/1:255,0,253
SMV_HN4	7940 .	G	A	222 .	DP=469;VI GT:PL	0/1:255,0,255
SMV_HN4	7964 .	T	C	222 .	DP=456;VI GT:PL	0/1:255,0,255
SMV_HN4	7976 .	A	G	162 .	DP=351;VI GT:PL	0/1:196,0,255
SMV_HN4	7988 .	A	G	216 .	DP=253;VI GT:PL	0/1:249,0,255

SMV_HN4	7991	T	C	112	DP=232;VI GT:PL	0/1:146,0,255
SMV_HN4	7998	T	C	222	DP=232;VI GT:PL	0/1:255,0,255
SMV_HN4	8000	A	G	222	DP=238;VI GT:PL	0/1:255,0,255
SMV_HN4	8013	G	A	222	DP=322;VI GT:PL	0/1:255,0,255
SMV_HN4	8027	T	C	94	DP=340;VI GT:PL	0/1:128,0,255
SMV_HN4	8042	C	T	122	DP=503;VI GT:PL	0/1:156,0,255
SMV_HN4	8068	G	A	172	DP=678;VI GT:PL	0/1:205,0,255
SMV_HN4	8078	G	A	222	DP=739;VI GT:PL	0/1:255,0,255
SMV_HN4	8081	A	G	204	DP=717;VI GT:PL	0/1:237,0,255
SMV_HN4	8120	T	C	222	DP=881;VI GT:PL	0/1:255,0,255
SMV_HN4	8123	C	T	222	DP=852;VI GT:PL	0/1:255,0,255
SMV_HN4	8153	C	T	142	DP=1769;V GT:PL	0/1:176,0,255
SMV_HN4	8159	T	C	131	DP=2132;V GT:PL	0/1:165,0,255
SMV_HN4	8171	C	T	114	DP=2079;V GT:PL	0/1:149,0,255
SMV_HN4	8177	T	C	223	DP=2032;V GT:PL	1/1:250,0,0
SMV_HN4	8183	G	A	222	DP=2133;V GT:PL	0/1:255,0,255
SMV_HN4	8210	C	T	222	DP=2098;V GT:PL	0/1:255,0,255
SMV_HN4	8214	G	T	159	DP=2033;V GT:PL	0/1:192,0,255
SMV_HN4	8279	T	C	222	DP=459;VI GT:PL	0/1:255,0,255
SMV_HN4	8280	T	C	161	DP=458;VI GT:PL	0/1:195,0,255
SMV_HN4	8282	G	A	222	DP=461;VI GT:PL	0/1:255,0,255
SMV_HN4	8284	A	G	111	DP=471;VI GT:PL	0/1:145,0,255
SMV_HN4	8306	T	C	222	DP=923;VI GT:PL	0/1:255,0,255
SMV_HN4	8360	C	T	222	DP=1006;V GT:PL	0/1:255,0,255
SMV_HN4	8369	T	C	222	DP=901;VI GT:PL	0/1:255,0,255
SMV_HN4	8375	T	G	222	DP=681;VI GT:PL	0/1:255,0,255
SMV_HN4	8408	A	G	222	DP=946;VI GT:PL	0/1:255,0,255
SMV_HN4	8414	C	T	222	DP=1112;V GT:PL	0/1:255,0,255
SMV_HN4	8417	T	C	11.5295	DP=1233;V GT:PL	0/1:46,0,255
SMV_HN4	8420	T	C	222	DP=1256;V GT:PL	0/1:255,0,255
SMV_HN4	8432	T	C	175	DP=1260;V GT:PL	0/1:209,0,255
SMV_HN4	8465	G	A	222	DP=1438;V GT:PL	0/1:255,0,255
SMV_HN4	8468	A	G	222	DP=1404;V GT:PL	0/1:255,0,255
SMV_HN4	8492	T	C	222	DP=755;VI GT:PL	0/1:255,0,255
SMV_HN4	8495	G	A	222	DP=752;VI GT:PL	0/1:255,0,255
SMV_HN4	8509	G	A	222	DP=801;VI GT:PL	0/1:255,0,255
SMV_HN4	8525	G	A	222	DP=748;VI GT:PL	0/1:255,0,255
SMV_HN4	8537	A	G	219	DP=564;VI GT:PL	0/1:252,0,255
SMV_HN4	8561	A	T	190	DP=441;VI GT:PL	0/1:221,0,255
SMV_HN4	8567	G	A	222	DP=470;VI GT:PL	0/1:255,0,255
SMV_HN4	8579	G	T	222	DP=408;VI GT:PL	0/1:255,0,255
SMV_HN4	8582	G	A	222	DP=411;VI GT:PL	0/1:255,0,255
SMV_HN4	8585	T	C	211	DP=401;VI GT:PL	0/1:245,0,255
SMV_HN4	8603	G	A	222	DP=589;VI GT:PL	0/1:255,0,255
SMV_HN4	8639	T	C	215	DP=653;VI GT:PL	0/1:248,0,255
SMV_HN4	8642	T	C	222	DP=628;VI GT:PL	0/1:255,0,251
SMV_HN4	8645	C	T	222	DP=617;VI GT:PL	0/1:255,0,255
SMV_HN4	8669	G	A	222	DP=652;VI GT:PL	0/1:255,0,255
SMV_HN4	8678	G	A	144	DP=686;VI GT:PL	0/1:178,0,255
SMV_HN4	8693	C	T	222	DP=1024;V GT:PL	0/1:255,0,255
SMV_HN4	8699	A	G	27.5329	DP=1121;V GT:PL	0/1:62,0,255
SMV_HN4	8714	G	A	178	DP=1112;V GT:PL	0/1:212,0,255
SMV_HN4	8717	T	C	154	DP=1093;V GT:PL	0/1:188,0,255
SMV_HN4	8720	A	G	222	DP=1111;V GT:PL	0/1:255,0,255
SMV_HN4	8723	G	A	222	DP=1039;V GT:PL	0/1:255,0,255
SMV_HN4	8741	G	A	221	DP=982;VI GT:PL	0/1:255,0,255
SMV_HN4	8753	G	A	221	DP=966;VI GT:PL	0/1:255,0,255
SMV_HN4	8765	A	G	169	DP=609;VI GT:PL	0/1:203,0,255
SMV_HN4	8768	A	G	222	DP=507;VI GT:PL	0/1:255,0,255
SMV_HN4	8777	G	C	222	DP=410;VI GT:PL	0/1:255,0,255
SMV_HN4	8780	C	T	222	DP=420;VI GT:PL	0/1:255,0,255
SMV_HN4	8792	T	C	222	DP=518;VI GT:PL	0/1:255,0,255
SMV_HN4	8798	T	A	222	DP=523;VI GT:PL	0/1:255,0,255
SMV_HN4	8804	T	C	222	DP=558;VI GT:PL	0/1:255,0,255
SMV_HN4	8810	C	T	222	DP=600;VI GT:PL	0/1:255,0,255
SMV_HN4	8819	A	G	222	DP=579;VI GT:PL	0/1:255,0,255
SMV_HN4	8837	C	T	107	DP=567;VI GT:PL	0/1:141,0,255
SMV_HN4	8846	G	A	149	DP=646;VI GT:PL	0/1:183,0,255
SMV_HN4	8861	G	A	153	DP=608;VI GT:PL	0/1:187,0,255
SMV_HN4	8876	T	C	50	DP=706;VI GT:PL	0/1:85,0,255
SMV_HN4	8879	G	A	8.10042	DP=690;VI GT:PL	0/1:42,0,255
SMV_HN4	8885	A	G	222	DP=740;VI GT:PL	0/1:255,0,255
SMV_HN4	8891	T	C	51	DP=762;VI GT:PL	0/1:86,0,255
SMV_HN4	8894	C	T	222	DP=827;VI GT:PL	0/1:255,0,255
SMV_HN4	8897	G	A	222	DP=873;VI GT:PL	0/1:255,0,255
SMV_HN4	8913	C	T	222	DP=1137;V GT:PL	0/1:255,0,255
SMV_HN4	8918	A	G	198	DP=1046;V GT:PL	0/1:232,0,255

SMV_HN4	8924 .	T	C	222 .	DP=990;VI GT:PL	0/1:255,0,255
SMV_HN4	8930 .	C	T	173 .	DP=925;VI GT:PL	0/1:207,0,255
SMV_HN4	8933 .	C	T	222 .	DP=920;VI GT:PL	0/1:255,0,255
SMV_HN4	8936 .	C	T	218 .	DP=962;VI GT:PL	0/1:252,0,255
SMV_HN4	9023 .	T	C	158 .	DP=1598;V GT:PL	0/1:192,0,255
SMV_HN4	9030 .	T	C	203 .	DP=1370;V GT:PL	0/1:236,0,255
SMV_HN4	9032 .	A	G	222 .	DP=1362;V GT:PL	0/1:255,0,255
SMV_HN4	9038 .	T	C	222 .	DP=1246;V GT:PL	0/1:255,0,255
SMV_HN4	9044 .	C	T	222 .	DP=1253;V GT:PL	0/1:255,0,255
SMV_HN4	9062 .	C	T	148 .	DP=1236;V GT:PL	0/1:182,0,255
SMV_HN4	9065 .	C	T	222 .	DP=1219;V GT:PL	0/1:255,0,255
SMV_HN4	9077 .	G	A	222 .	DP=624;VI GT:PL	0/1:255,0,255
SMV_HN4	9092 .	G	A	92 .	DP=346;VI GT:PL	0/1:126,0,255
SMV_HN4	9101 .	A	G	189 .	DP=409;VI GT:PL	0/1:223,0,255
SMV_HN4	9141 .	C	T	171 .	DP=932;VI GT:PL	0/1:204,0,255
SMV_HN4	9149 .	G	A	222 .	DP=959;VI GT:PL	0/1:255,0,255
SMV_HN4	9158 .	A	G	222 .	DP=941;VI GT:PL	0/1:255,0,255
SMV_HN4	9167 .	G	A	222 .	DP=883;VI GT:PL	0/1:255,0,255
SMV_HN4	9170 .	C	T	31.6064 .	DP=830;VI GT:PL	0/1:66,0,255
SMV_HN4	9203 .	G	A	222 .	DP=296;VI GT:PL	0/1:255,0,255
SMV_HN4	9224 .	C	T	222 .	DP=1535;V GT:PL	0/1:255,0,255
SMV_HN4	9225 .	A	T	97 .	DP=1539;V GT:PL	0/1:131,0,255
SMV_HN4	9231 .	T	C	222 .	DP=1759;V GT:PL	0/1:255,0,255
SMV_HN4	9257 .	G	A	3.94545 .	DP=2063;V GT:PL	0/1:37,0,255
SMV_HN4	9261 .	A	G	222 .	DP=2092;V GT:PL	0/1:255,0,255
SMV_HN4	9267 .	T	C	222 .	DP=2064;V GT:PL	0/1:255,0,255
SMV_HN4	9271 .	T	C	222 .	DP=2050;V GT:PL	0/1:255,0,255
SMV_HN4	9304 .	G	A	197 .	DP=451;VI GT:PL	0/1:230,0,255
SMV_HN4	9310 .	A	G	222 .	DP=440;VI GT:PL	0/1:255,0,255
SMV_HN4	9315 .	G	T	44.3369 .	DP=427;VI GT:PL	0/1:78,0,255
SMV_HN4	9318 .	T	G	222 .	DP=383;VI GT:PL	0/1:255,0,203
SMV_HN4	9326 .	G	T	222 .	DP=280;VI GT:PL	0/1:255,0,255
SMV_HN4	9327 .	T	C	222 .	DP=213;VI GT:PL	0/1:255,0,255
SMV_HN4	9347 .	G	A	222 .	DP=375;VI GT:PL	0/1:255,0,255
SMV_HN4	9355 .	T	A	222 .	DP=521;VI GT:PL	0/1:255,0,255
SMV_HN4	9362 .	A	G	222 .	DP=537;VI GT:PL	0/1:255,0,255
SMV_HN4	9374 .	A	T	222 .	DP=808;VI GT:PL	0/1:255,0,255
SMV_HN4	9380 .	C	T	222 .	DP=912;VI GT:PL	0/1:255,0,255
SMV_HN4	9408 .	A	G	185 .	DP=1234;V GT:PL	0/1:219,0,255
SMV_HN4	9419 .	G	A	158 .	DP=1183;V GT:PL	0/1:192,0,255
SMV_HN4	9465 .	C	T	90 .	DP=291;VI GT:PL	0/1:124,0,255