

SNP Name	Source	Chromosome	Position (Assembly UMD3.1)	Forward A/B Alleles	Top A/B Alleles
ARS-USMARC-PARENT-DQ381153-RS29012842	ISAG*	1	3,249,057	T/G	A/C
BTB-01728863	ICAR**	1	5,179,453	T/C	A/G
BTA-35637-NO-RS	ICAR	1	5,610,335	T/C	A/G
ARS-BFGL-BAC-27364	ISAG	1	8,437,530	A/C	A/C
HAPMAP52559-RS29015773	ICAR	1	8,998,063	T/G	A/C
ARS-BFGL-NGS-118398	ICAR	1	9,019,409	T/C	A/G
ARS-BFGL-NGS-113570	ICAR	1	9,601,018	A/G	A/G
HAPMAP50048-BTA-59263	ICAR	1	27,465,349	A/G	A/G
BTB-00012128	ICAR	1	28,599,381	A/C	A/C
ARS-USMARC-PARENT-DQ451555-RS29010795	ISAG	1	29,524,658	A/G	A/G
ARS-BFGL-NGS-86662	ISAG	1	40,206,017	T/G	A/C
BTB-00468476	ICAR	1	46,675,519	A/C	A/C
BTB-01146838	ICAR	1	48,802,718	T/C	A/G
BTB-01077379	ICAR	1	49,279,500	T/C	A/G
HAPMAP38147-BTA-25404	ICAR	1	57,660,748	A/C	A/C
ARS-USMARC-PARENT-DQ404150-RS29012530	ISAG	1	59,409,838	T/G	A/C
HAPMAP48717-BTA-31633	ICAR	1	59,971,879	A/G	A/G
BTA-23353-NO-RS	ICAR	1	60,787,763	A/C	A/C
BTB-02006134	ICAR	1	61,357,379	A/G	A/G
ARS-BFGL-NGS-40229	ICAR	1	62,184,184	A/G	A/G
BTB-01285245	ISAG	1	63,277,846	T/C	A/G
HAPMAP49061-BTA-122268	ICAR	1	63,742,577	A/G	A/G
HAPMAP39375-BTA-112108	ICAR	1	78,449,548	A/C	A/C
ARS-BFGL-NGS-119431	ICAR	1	78,986,953	T/C	A/G
Hapmap49586-BTA-36632	ICAR	1	79,700,956	A/G	A/G
ARS-BFGL-NGS-19741	ICAR	1	80,548,510	A/G	A/G
ARS-BFGL-NGS-4047	ICAR	1	84,614,199	T/C	A/G
BTB-01086841	ICAR	1	94,882,093	T/C	A/G
ARS-USMARC-PARENT-DQ404149-NO-RS	ISAG	1	99,314,925	T/C	A/G
HAPMAP39712-BTA-109811	ICAR	1	101,583,260	T/G	A/C
BTA-46150-NO-RS	ICAR	1	102,792,723	T/C	A/G
ARS-BFGL-NGS-76111	ICAR	1	103,219,606	A/G	A/G
ARS-BFGL-NGS-32083	ICAR	1	109,099,488	T/C	A/G
ARS-BFGL-NGS-104897	ICAR	1	112,863,292	A/C	A/C
BTB-01057979	ISAG	1	114,085,424	T/C	A/G
BTA-108007-no-rs	ICAR	1	116,419,981	T/G	A/C
BTB-00052125	ICAR	1	120,479,376	T/C	A/G
BTA-49375-NO-RS	ICAR	1	121,363,361	T/C	A/G
ARS-USMARC-PARENT-AY761135-RS29003723	ISAG	1	127,426,647	A/T	A/T

ARS-BFGL-NGS-118073	ICAR	1	128,471,733	T/C	A/G
ARS-BFGL-NGS-117553	ICAR	1	131,326,810	A/G	A/G
BTB-00061242	ICAR	1	133,323,967	A/G	A/G
BTB-01287574	ICAR	1	133,671,941	T/C	A/G
ARS-USMARC-PARENT-AY943841-RS17871566	ISAG	1	138,583,183	A/G	A/G
BTA-122684-NO-RS	ICAR	1	139,231,307	A/G	A/G
HAPMAP57299-SS46527085	ICAR	1	145,059,132	T/C	A/G
ARS-BFGL-NGS-67754	ICAR	1	148,816,004	T/C	A/G
ARS-USMARC-PARENT-DQ404151-RS29019282	ISAG	1	151,349,514	T/C	A/G
HAPMAP43297-BTA-57357	ICAR	1	152,189,521	T/C	A/G
HAPMAP44395-BTA-64864	ICAR	1	153,919,758	A/G	A/G
BTB-00076466	ICAR	1	158,161,585	A/G	A/G
ARS-BFGL-NGS-103086	ICAR	2	2,858,436	A/G	A/G
ARS-BFGL-NGS-60640	ICAR	2	3,242,217	T/C	A/G
HAPMAP54320-RS29012920	ICAR	2	5,037,866	T/C	A/G
ARS-USMARC-PARENT-DQ404152-RS29022245	ISAG	2	5,306,838	A/G	A/G
ARS-BFGL-NGS-39978	ISAG	2	5,757,355	A/G	A/G
BTB-00079213	ICAR	2	8,476,975	A/G	A/G
ARS-BFGL-BAC-35552	ISAG	2	12,823,369	A/G	A/G
ARS-BFGL-BAC-32404	ICAR	2	13,343,685	T/C	A/G
HAPMAP59876-RS29018046	ISAG	2	13,853,729	A/G	A/G
ARS-BFGL-NGS-89098	ICAR	2	13,901,492	T/G	A/C
HAPMAP54766-RS29012658	ICAR	2	14,451,633	T/C	A/G
BTB-00082871	ICAR	2	20,699,862	T/G	A/C
ARS-BFGL-BAC-30348	ICAR	2	22,151,093	A/G	A/G
ARS-USMARC-PARENT-AY776154-NO-RS	ISAG	2	26,997,623	A/G	A/G
ARS-BFGL-BAC-29664	ICAR	2	30,635,269	T/C	A/G
BTB-00089384	ICAR	2	35,264,900	T/C	A/G
HAPMAP58509-RS29024139	ICAR	2	37,635,484	T/C	A/G
ARS-BFGL-NGS-57870	ICAR	2	37,813,654	A/G	A/G
BTA-114831-NO-RS	ICAR	2	39,709,004	T/C	A/G
HAPMAP46653-BTA-47447	ISAG	2	41,938,704	T/A	A/T
BTA-19852-NO-RS	ICAR	2	42,986,890	A/G	A/G
ARS-USMARC-PARENT-AY841151-RS29003466	ISAG	2	45,832,887	T/G	A/C
HAPMAP44545-BTA-47658	ICAR	2	52,339,443	T/C	A/G
BTB-00098773	ICAR	2	52,497,009	A/G	A/G
BTB-01294230	ICAR	2	55,038,193	A/G	A/G
BTB-01753605	ICAR	2	55,729,126	T/C	A/G
HAPMAP51412-BTA-16926	ICAR	2	59,690,093	A/G	A/G
Hapmap44202-BTA-115270	ICAR	2	62,367,003	A/G	A/G
ARS-BFGL-NGS-72192	ICAR	2	65,044,427	T/C	A/G
HAPMAP51598-BTA-47943	ICAR	2	65,700,940	T/C	A/G
ARS-BFGL-NGS-118876	ICAR	2	66,585,600	T/C	A/G
ARS-BFGL-NGS-118138	ICAR	2	67,292,723	A/G	A/G

HAPMAP35220-BES9_CONTIG365_495	ICAR	2	70,895,063	T/C	A/G
UA-IFASA-4619	ICAR	2	76,309,053	T/C	A/G
HAPMAP33049-BTA-153946	ICAR	2	79,320,427	A/G	A/G
HAPMAP42104-BTA-121232	ICAR	2	81,159,639	T/C	A/G
HAPMAP49925-BTA-24427	ICAR	2	86,704,498	A/G	A/G
ARS-BFGL-NGS-40189	ICAR	2	89,008,935	A/G	A/G
ARS-BFGL-NGS-15250	ICAR	2	89,845,085	A/G	A/G
HAPMAP52627-RS29014567	ICAR	2	100,273,809	T/G	A/C
ARS-BFGL-NGS-35963	ICAR	2	105,193,025	A/C	A/C
ARS-USMARC-PARENT-DQ786757-RS29019900	ISAG	2	111,155,237	A/G	A/G
HAPMAP35744-SCAFFOLD60587_8279	ICAR	2	111,361,143	A/C	A/C
UA-IFASA-8833	ICAR	2	116,087,072	T/C	A/G
ARS-BFGL-NGS-67146	ISAG	2	118,773,633	T/C	A/G
ARS-BFGL-NGS-15508	ICAR	2	119,595,498	A/G	A/G
HAPMAP43869-BTA-49512	ICAR	2	120,301,651	T/C	A/G
Hapmap53350-ss46526471	ICAR	2	125,653,839	T/C	A/G
ARS-BFGL-NGS-33709	ICAR	2	130,187,033	A/G	A/G
ARS-BFGL-NGS-67260	ICAR	2	135,190,642	A/G	A/G
ARS-BFGL-NGS-116761	ICAR	2	136,483,623	T/C	A/G
ARS-USMARC-Parent-DQ422950-rs29012306	ICAR	3	3,129,167	A/C	A/C
ARS-BFGL-NGS-17527	ICAR	3	4,279,731	A/G	A/G
ARS-BFGL-NGS-27948	ICAR	3	10,000,411	A/G	A/G
ARS-BFGL-NGS-38423	ISAG	3	12,709,854	A/G	A/G
HAPMAP43906-BTA-66658	ICAR	3	14,273,135	A/G	A/G
ARS-BFGL-NGS-34169	ICAR	3	19,309,220	A/G	A/G
ARS-USMARC-PARENT-DQ647187-RS29010510	ISAG	3	21,146,877	A/G	A/G
ARS-BFGL-NGS-99338	ICAR	3	21,869,985	T/C	A/G
ARS-BFGL-NGS-105811	ICAR	3	22,706,379	A/G	A/G
ARS-BFGL-NGS-45686	ICAR	3	26,031,815	A/G	A/G
ARS-BFGL-NGS-117241	ICAR	3	28,144,691	T/C	A/G
ARS-BFGL-NGS-111118	ICAR	3	32,077,291	A/G	A/G
ARS-BFGL-NGS-117870	ICAR	3	33,332,678	T/C	A/G
BTA-99693-no-rs	ICAR	3	39,522,643	T/C	A/G
ARS-USMARC-PARENT-AY842472-RS29001941	ISAG	3	40,399,136	C/G	C/G
BTA-100337-NO-RS	ICAR	3	41,371,572	T/C	A/G
ARS-BFGL-NGS-113910	ICAR	3	43,939,238	T/G	A/C
ARS-BFGL-NGS-57417	ICAR	3	43,975,868	T/C	A/G
HAPMAP43908-BTA-67758	ICAR	3	44,959,256	T/C	A/G
ARS-USMARC-PARENT-AY842473-RS29001956	ISAG	3	49,703,647	A/G	A/G
ARS-BFGL-NGS-34393	ICAR	3	50,673,505	A/G	A/G
ARS-USMARC-PARENT-AY842474-RS29003226	ISAG	3	51,976,646	G/C	C/G
ARS-USMARC-PARENT-DQ435443-RS29010802	ISAG	3	58,040,470	A/C	A/C
INRA-638	ICAR	3	62,004,226	A/G	A/G
BTB-01097609	ICAR	3	68,271,435	A/G	A/G

HAPMAP40508-BTA-21513	ICAR	3	73,035,441	T/C	A/G
HAPMAP32799-BTA-132450	ICAR	3	73,549,770	T/C	A/G
ARS-BFGL-NGS-2215	ICAR	3	84,693,517	A/G	A/G
ARS-BFGL-NGS-103524	ICAR	3	85,253,155	T/G	A/C
ARS-BFGL-NGS-58066	ICAR	3	92,986,164	T/C	A/G
BTA-68995-NO-RS	ICAR	3	97,793,166	A/T	A/T
ARS-USMARC-PARENT-DQ489377-RS29026932	ISAG	3	98,188,384	T/C	A/G
Hapmap39765-BTA-62582	ICAR	3	99,317,016	A/C	A/C
ARS-BFGL-NGS-118597	ICAR	3	103,268,281	T/C	A/G
ARS-BFGL-NGS-114028	ICAR	3	105,173,273	A/G	A/G
BTB-01626709	ICAR	3	113,907,407	T/C	A/G
ARS-BFGL-NGS-116451	ICAR	3	114,252,911	A/C	A/C
ARS-USMARC-PARENT-DQ839235-RS29012691	ISAG	3	116,448,759	A/C	A/C
HAPMAP46717-BTA-69803	ICAR	3	118,167,062	A/G	A/G
ARS-BFGL-NGS-20403	ICAR	3	119,000,177	T/G	A/C
BTB-01902057	ICAR	4	6,604,523	T/C	A/G
HAPMAP39425-BTA-70290	ISAG	4	10,737,673	T/G	A/C
ARS-USMARC-PARENT-DQ647186-RS29014143	ISAG	4	17,200,594	A/G	A/G
ARS-USMARC-PARENT-AY842475-RS29002127	ISAG	4	20,181,749	A/G	A/G
BTB-01478115	ISAG	4	42,103,377	A/G	A/G
BTA-82216-no-rs	ICAR	4	52,308,430	A/G	A/G
BTB-00188171	ISAG	4	57,787,437	A/G	A/G
HAPMAP42648-BTA-71195	ISAG	4	71,061,224	T/C	A/G
HAPMAP49452-BTA-112834	ISAG	4	72,987,997	A/G	A/G
ARS-BFGL-NGS-58613	ISAG	4	78,609,385	A/G	A/G
ARS-USMARC-Parent-DQ485413-no-rs	ICAR	4	94,176,209	T/C	A/G
ARS-BFGL-NGS-35219	ICAR	4	106,885,171	T/C	A/G
HAPMAP54547-RS29012198	ISAG	4	110,776,624	T/C	A/G
BTB-01498887	ICAR	5	97,111	T/C	A/G
ARS-USMARC-PARENT-DQ470475-NO-RS	ISAG	5	7,651,053	T/A	A/T
ARS-BFGL-NGS-81155	ICAR	5	13,271,489	T/G	A/C
HAPMAP33479-BTA-137049	ICAR	5	15,224,660	A/G	A/G
HAPMAP44400-BTA-72792	ICAR	5	15,696,963	A/G	A/G
ARS-BFGL-NGS-51490	ICAR	5	16,522,966	G/C	C/G
BTA-89424-NO-RS	ICAR	5	16,666,769	T/C	A/G
ARS-BFGL-NGS-23961	ICAR	5	25,995,476	A/G	A/G
ARS-USMARC-PARENT-DQ500958-NO-RS	ISAG	5	27,825,118	A/G	A/G
ARS-BFGL-NGS-107085	ICAR	5	28,660,813	T/C	A/G
ARS-BFGL-NGS-53461	ICAR	5	30,659,497	A/G	A/G
BTB-01495784	ICAR	5	34,101,843	T/C	A/G
ARS-BFGL-NGS-23432	ICAR	5	40,112,322	G/C	C/G
ARS-BFGL-NGS-30677	ICAR	5	43,565,856	A/G	A/G
ARS-BFGL-NGS-7433	ICAR	5	44,885,503	T/G	A/C
HAPMAP50837-BTA-98392	ICAR	5	46,995,137	T/C	A/G

ARS-BFGL-NGS-33745	ICAR	5	51,064,864	A/G	A/G
ARS-USMARC-PARENT-DQ647189-RS29012226	ISAG	5	63,273,386	T/C	A/G
BTA-73797-NO-RS	ICAR	5	64,190,317	T/C	A/G
BTA-85566-NO-RS	ICAR	5	66,040,455	A/G	A/G
HAPMAP59828-RS29027014	ICAR	5	66,830,677	T/C	A/G
BTA-73768-NO-RS	ISAG	5	67,031,023	T/C	A/G
HAPMAP40581-BTA-73771	ICAR	5	67,153,683	A/G	A/G
ARS-BFGL-NGS-111053	ISAG	5	72,264,603	T/C	A/G
Hapmap50084-BTA-74042	ICAR	5	75,417,666	T/C	A/G
ARS-BFGL-NGS-72413	ICAR	5	82,466,920	T/G	A/C
ARS-BFGL-NGS-103280	ICAR	5	84,523,411	T/C	A/G
ARS-BFGL-NGS-39913	ICAR	5	85,535,871	A/C	A/C
ARS-BFGL-NGS-15506	ISAG	5	88,334,676	T/C	A/G
HAPMAP39103-BTA-111886	ICAR	5	91,346,899	A/C	A/C
BTA-37834-NO-RS	ICAR	5	93,187,014	T/G	A/C
HAPMAP51304-BTA-74559	ICAR	5	93,718,582	A/G	A/G
ARS-BFGL-NGS-44153	ICAR	5	97,430,973	T/C	A/G
ARS-USMARC-PARENT-AY844963-RS17871338	ISAG	5	98,102,349	A/G	A/G
HAPMAP47185-BTA-114173	ICAR	5	99,044,605	T/C	A/G
HAPMAP60420-RS29010136	ICAR	5	112,045,991	A/C	A/C
ARS-BFGL-NGS-45453	ICAR	5	112,521,878	C/G	C/G
ARS-USMARC-PARENT-DQ468384-RS29003967_v2	ISAG	5	113,137,320	T/G	A/C
ARS-BFGL-NGS-21717	ICAR	5	117,102,295	T/C	A/G
ARS-BFGL-NGS-14632	ICAR	5	118,501,191	A/G	A/G
ARS-USMARC-PARENT-DQ846688-RS29023691	ISAG	5	119,261,609	T/C	A/G
ARS-BFGL-NGS-25107	ICAR	5	119,408,760	A/G	A/G
Hapmap50460-BTA-75791	ICAR	6	8,478,503	T/C	A/G
ARS-USMARC-PARENT-DQ647190-RS29013632	ISAG	6	13,897,068	A/G	A/G
ARS-USMARC-PARENT-AY849381-RS29003287	ISAG	6	23,562,312	A/G	A/G
HAPMAP43142-BTA-107561	ISAG	6	29,556,343	A/G	A/G
HAPMAP51527-BTA-97415	ISAG	6	44,461,834	A/G	A/G
ARS-USMARC-PARENT-DQ789028-RS29017713	ISAG	6	46,936,182	T/C	A/G
ARS-BFGL-NGS-106015	ISAG	6	61,199,572	A/G	A/G
ARS-USMARC-Parent-AY849380-no-rs	ICAR	6	90,562,665	A/G	A/G
BTB-01902778	ISAG	6	114,165,533	A/G	A/G
ARS-BFGL-NGS-119662	ISAG	6	118,292,328	A/G	A/G
ARS-BFGL-NGS-117421	ICAR	7	4,286,714	A/G	A/G
ARS-USMARC-PARENT-DQ888309-RS29013741	ISAG	7	8,272,794	T/G	A/C
HAPMAP50113-BTA-80661	ICAR	7	8,860,921	A/G	A/G
HAPMAP43057-BTA-80741	ISAG	7	13,279,972	T/C	A/G
ARS-BFGL-NGS-2141	ICAR	7	16,371,434	T/C	A/G
ARS-USMARC-PARENT-DQ786758-RS29024430	ISAG	7	18,454,636	T/G	A/C
ARS-BFGL-NGS-27577	ISAG	7	26,066,004	A/G	A/G
ARS-BFGL-NGS-110438	ICAR	7	27,258,897	T/C	A/G

UA-IFASA-4904	ICAR	7	35,153,271	T/C	A/G
BTB-01172317	ICAR	7	36,127,497	A/G	A/G
ARS-BFGL-NGS-11889	ICAR	7	43,292,715	A/C	A/C
ARS-BFGL-NGS-109750	ICAR	7	45,412,030	A/G	A/G
ARS-USMARC-PARENT-DQ650635-RS29012174	ISAG	7	55,116,289	T/C	A/G
BTA-104712-NO-RS	ICAR	7	57,011,212	T/G	A/C
BTB-01130079	ICAR	7	58,255,324	A/C	A/C
HAPMAP30362-BTA-79378	ICAR	7	59,353,807	A/G	A/G
BTB-00311926	ICAR	7	59,651,740	A/G	A/G
BTB-00312091	ICAR	7	63,547,825	A/C	A/C
ARS-BFGL-NGS-102603	ICAR	7	67,495,781	T/G	A/C
HAPMAP33032-BTA-148803	ICAR	7	68,830,299	A/G	A/G
ARS-BFGL-NGS-61492	ICAR	7	70,011,889	T/C	A/G
ARS-BFGL-NGS-75852	ICAR	7	71,545,383	T/C	A/G
BTA-113124-NO-RS	ICAR	7	73,290,787	T/C	A/G
BTB-00327755	ICAR	7	76,497,957	T/C	A/G
BTB-01453354	ICAR	7	77,038,018	A/G	A/G
BTB-00320041	ICAR	7	80,573,481	T/C	A/G
ARS-USMARC-PARENT-DQ916057-RS29009979	ISAG	7	81,591,587	T/A	A/T
HAPMAP60017-RS29023471	ISAG	7	81,668,727	A/G	A/G
HAPMAP50109-BTA-79983	ICAR	7	81,964,652	T/C	A/G
ARS-BFGL-NGS-101456	ISAG	7	82,825,197	T/C	A/G
BTB-01920914	ICAR	7	86,936,090	A/G	A/G
BTA-20841-NO-RS	ICAR	7	92,201,609	A/G	A/G
ARS-USMARC-PARENT-DQ786759-RS29026696	ISAG	7	94,259,472	A/G	A/G
ARS-BFGL-NGS-15731	ISAG	7	96,936,145	T/C	A/G
ARS-BFGL-NGS-72471	ISAG	7	103,375,625	A/C	A/C
BTB-00955215	ICAR	7	106,043,966	T/C	A/G
BTA-09064-rs29025231	ICAR	7	112,265,796	A/C	A/C
HAPMAP57430-RS29016504	ICAR	8	1,154,683	A/G	A/G
ARS-USMARC-PARENT-DQ916058-RS29016146	ISAG	8	1,554,706	A/G	A/G
BTB-01276763	ICAR	8	3,798,414	A/C	A/C
HAPMAP45337-BTA-109277	ICAR	8	4,955,143	G/C	C/G
HAPMAP58990-RS29020862	ICAR	8	9,962,339	T/C	A/G
BTB-00095699	ICAR	8	15,534,805	T/C	A/G
ARS-BFGL-NGS-117122	ICAR	8	20,608,192	A/G	A/G
ARS-BFGL-NGS-108099	ICAR	8	23,116,314	T/C	A/G
ARS-BFGL-NGS-71395	ICAR	8	24,707,157	A/G	A/G
BTB-01109703	ICAR	8	26,899,147	A/G	A/G
ARS-USMARC-PARENT-DQ650636-RS29024525	ISAG	8	28,799,249	T/C	A/G
BTB-00285653	ICAR	8	30,036,807	T/C	A/G
UA-IFASA-2534	ICAR	8	45,804,905	T/C	A/G
ARS-BFGL-NGS-30559	ICAR	8	51,719,716	A/G	A/G
ARS-BFGL-NGS-37680	ICAR	8	55,778,679	A/C	A/C

HAPMAP49049-BTA-119736	ICAR	8	55,892,688	T/C	A/G
ARS-USMARC-PARENT-AY850194-NO-RS	ISAG	8	59,996,431	T/C	A/G
ARS-BFGL-NGS-16925	ICAR	8	64,476,783	T/C	A/G
HAPMAP24224-BTA-93350	ICAR	8	65,960,156	A/C	A/C
ARS-BFGL-NGS-110811	ICAR	8	69,343,704	T/C	A/G
ARS-BFGL-NGS-108549	ICAR	8	82,311,830	T/C	A/G
ARS-USMARC-PARENT-DQ837644-RS29010468	ISAG	8	88,974,063	A/C	A/C
BTA-101724-NO-RS	ICAR	8	93,896,073	T/C	A/G
ARS-BFGL-NGS-28141	ICAR	8	97,241,486	T/C	A/G
HAPMAP58894-RS29013940	ICAR	8	99,957,737	T/C	A/G
ARS-BFGL-NGS-111788	ICAR	8	101,231,366	G/C	C/G
HAPMAP55441-RS29010990	ISAG	8	103,137,122	A/G	A/G
UA-IFASA-6154	ICAR	8	104,158,107	T/C	A/G
HAPMAP39690-BTA-82650	ICAR	8	104,829,510	A/C	A/C
ARS-USMARC-PARENT-DQ674265-RS29011266	ISAG	8	106,174,871	T/C	A/G
BTB-01944037	ICAR	8	108,772,548	A/G	A/G
HAPMAP49333-BTA-82773	ICAR	8	109,321,402	A/G	A/G
BTB-00431734	ICAR	8	110,042,671	A/G	A/G
ARS-BFGL-NGS-92824	ICAR	8	111,713,971	A/G	A/G
ARS-BFGL-NGS-106379	ICAR	8	113,159,018	T/C	A/G
ARS-BFGL-NGS-26056	ICAR	9	3,651,455	A/G	A/G
ARS-BFGL-NGS-14740	ISAG	9	14,436,985	A/G	A/G
ARS-BFGL-NGS-93119	ISAG	9	28,149,131	T/C	A/G
ARS-USMARC-Parent-DQ846689-rs29011985	ICAR	9	45,729,853	A/G	A/G
ARS-BFGL-NGS-31640	ISAG	9	52,430,564	A/G	A/G
BTB-00394801	ISAG	9	59,383,405	A/C	A/C
HAPMAP54313-RS29012632	ISAG	9	83,320,792	T/C	A/G
ARS-BFGL-NGS-3465	ICAR	9	87,606,681	A/G	A/G
ARS-USMARC-PARENT-DQ786765-RS29009858	ISAG	9	98,483,346	T/G	A/C
ARS-USMARC-PARENT-DQ786766-RS29012070	ot on ISAG	10	3,530,271	A/G	A/G
Hapmap25493-BTA-109827	ICAR	10	4,383,927	T/C	A/G
ARS-BFGL-NGS-35455	ICAR	10	10,795,992	A/G	A/G
ARS-BFGL-NGS-70946	ISAG	10	14,574,453	A/C	A/C
ARS-USMARC-PARENT-DQ786761-RS29012840	ISAG	10	44,103,665	T/C	A/G
BTB-00420215	ISAG	10	44,920,804	A/C	A/C
ARS-USMARC-PARENT-DQ984827-RS29012019	ISAG	10	55,611,885	T/C	A/G
ARS-BFGL-NGS-31807	ISAG	10	61,684,704	A/G	A/G
ARS-USMARC-PARENT-DQ786762-RS29010772	ISAG	10	81,572,252	T/G	A/C
ARS-BFGL-NGS-111114	ISAG	10	84,446,642	T/G	A/C
ARS-USMARC-PARENT-DQ984825-RS29012457	ISAG	10	98,230,479	T/C	A/G
ARS-USMARC-PARENT-DQ837645-RS29015870	ot on ISAG	11	1,703,612	A/C	A/C
HAPMAP22963-BTA-91941	ICAR	11	1,806,374	T/G	A/C
ARS-BFGL-NGS-68030	ICAR	11	1,901,787	T/C	A/G
ARS-BFGL-NGS-68850	ICAR	11	5,252,617	T/C	A/G

ARS-BFGL-NGS-41117	ICAR	11	6,724,678	T/C	A/G
BTA-92021-NO-RS	ISAG	11	9,385,008	A/T	A/T
BTB-00458773	ICAR	11	10,753,131	A/C	A/C
ARS-BFGL-BAC-14220	ICAR	11	13,914,771	A/G	A/G
BTA-88608-no-rs	ICAR	11	24,317,047	A/G	A/G
ARS-BFGL-NGS-10436	ICAR	11	26,982,927	T/C	A/G
BTA-99659-NO-RS	ICAR	11	30,945,111	T/C	A/G
ARS-BFGL-NGS-117672	ICAR	11	31,332,721	T/C	A/G
BTB-01397485	ICAR	11	33,236,456	T/C	A/G
BTB-01426876	ICAR	11	34,482,175	T/C	A/G
HAPMAP40148-BTA-92999	ISAG	11	36,713,471	T/G	A/C
ARS-BFGL-NGS-66512	ICAR	11	36,983,331	A/G	A/G
HAPMAP33373-BTA-148341	ICAR	11	39,437,937	A/G	A/G
ARS-BFGL-NGS-24591	ICAR	11	42,330,073	A/G	A/G
HAPMAP43815-BTA-23051	ICAR	11	44,583,035	T/C	A/G
ARS-BFGL-NGS-111691	ICAR	11	44,844,492	T/G	A/C
ARS-USMARC-PARENT-AY851162-NO-RS	ISAG	11	46,411,100	A/G	A/G
BTB-00474688	ICAR	11	50,431,031	T/C	A/G
HAPMAP48543-BTA-98093	ICAR	11	59,319,163	A/G	A/G
BTA-11701-RS29017459	ISAG	11	61,989,432	T/C	A/G
ARS-BFGL-NGS-76191	not on ISAG	11	62,732,451	A/G	A/G
ARS-BFGL-NGS-114087	ICAR	11	64,057,850	A/G	A/G
ARS-USMARC-PARENT-DQ837643-RS29018818	ISAG	11	66,341,589	A/G	A/G
ARS-BFGL-NGS-117322	ISAG	11	77,884,744	A/G	A/G
Hapmap41140-BTA-107332	ICAR	11	78,545,016	T/C	A/G
ARS-BFGL-NGS-5662	ICAR	11	83,028,893	T/C	A/G
ARS-BFGL-NGS-109752	ICAR	11	95,322,986	T/G	A/C
ARS-BFGL-NGS-42283	ISAG	11	95,543,411	T/C	A/G
ARS-BFGL-NGS-116589	ICAR	11	100,901,534	A/G	A/G
ARS-BFGL-NGS-28681	ICAR	11	101,522,062	T/C	A/G
ARS-BFGL-NGS-112130	ICAR	11	102,548,124	T/C	A/G
ARS-USMARC-PARENT-AY851163-RS17871661	ISAG	11	103,047,474	T/C	A/G
Hapmap48641-BTA-119400	ICAR	12	10,996,119	T/C	A/G
ARS-USMARC-PARENT-DQ786763-RS29020472	ISAG	12	11,824,653	A/T	A/T
ARS-USMARC-PARENT-DQ786764-NO-RS	ISAG	12	25,668,974	T/G	A/C
BTA-23867-no-rs	ICAR	12	50,865,733	A/G	A/G
BTB-01980499	ISAG	12	61,345,454	T/C	A/G
ARS-BFGL-NGS-112325	ISAG	12	79,643,103	T/C	A/G
BTA-30857-NO-RS	ISAG	12	80,058,952	A/G	A/G
ARS-USMARC-Parent-DQ832700-rs29012872	ICAR	12	80,629,629	A/C	A/C
BTB-01141508	ICAR	13	679,009	T/G	A/C
Hapmap48136-BTA-96744	ICAR	13	719,908	T/C	A/G
BTB-01141770	ICAR	13	777,430	T/C	A/G
ARS-USMARC-PARENT-EF026087-RS29011643	ISAG	13	1,982,209	T/C	A/G

ARS-BFGL-BAC-11276	ICAR	13	2,153,905	A/G	A/G
ARS-BFGL-NGS-103379	ICAR	13	3,764,223	T/C	A/G
ARS-BFGL-NGS-84327	ICAR	13	5,774,000	T/C	A/G
HAPMAP57586-RS29015232	ICAR	13	6,396,120	T/C	A/G
BTB-01124378	ICAR	13	6,600,008	A/G	A/G
HAPMAP54459-RS29016219	ICAR	13	12,436,043	A/G	A/G
ARS-BFGL-NGS-92946	ICAR	13	16,399,441	T/C	A/G
ARS-BFGL-NGS-11585	ICAR	13	17,407,043	A/C	A/C
HAPMAP50266-BTA-13664	ICAR	13	18,536,707	A/G	A/G
HAPMAP26649-BTA-128159	ICAR	13	19,734,286	T/C	A/G
ARS-BFGL-NGS-81428	ICAR	13	20,735,468	A/G	A/G
ARS-USMARC-PARENT-EF034081-RS29009668	ISAG	13	25,606,469	A/T	A/T
Hapmap39398-BTA-31996	ICAR	13	26,708,860	A/C	A/C
ARS-BFGL-NGS-108308	ICAR	13	28,999,095	T/G	A/C
ARS-BFGL-NGS-111777	ICAR	13	35,029,615	T/C	A/G
HAPMAP59420-SS46527113	ICAR	13	35,533,998	A/G	A/G
ARS-BFGL-NGS-36852	ICAR	13	37,210,394	A/G	A/G
ARS-BFGL-NGS-28202	ICAR	13	38,359,460	A/G	A/G
ARS-BFGL-NGS-29144	ICAR	13	40,606,621	C/G	C/G
HAPMAP23870-BTA-128381	ICAR	13	43,427,963	T/G	A/C
ARS-BFGL-NGS-55042	ICAR	13	45,510,831	A/G	A/G
ARS-USMARC-PARENT-AY853302-NO-RS	ISAG	13	47,397,987	A/G	A/G
BTA-92697-no-rs	ICAR	13	50,910,557	T/C	A/G
BTB-01656080	ICAR	13	51,621,880	A/G	A/G
ARS-BFGL-NGS-22052	ICAR	13	61,559,991	T/C	A/G
ARS-BFGL-NGS-112094	ISAG	13	69,187,742	T/C	A/G
ARS-BFGL-NGS-118453	ICAR	13	74,179,277	A/G	A/G
ARS-BFGL-NGS-112625	ICAR	13	74,579,327	T/C	A/G
ARS-USMARC-PARENT-AY853303-NO-RS	ISAG	13	75,383,374	T/C	A/G
ARS-BFGL-NGS-36793	ICAR	13	80,239,131	A/G	A/G
HAPMAP43792-BTA-122725	ISAG	13	83,437,845	T/C	A/G
BTA-102818-NO-RS	ICAR	13	83,632,355	A/C	A/C
ARS-USMARC-PARENT-DQ846690-NO-RS	ISAG	14	10,171,919	T/C	A/G
ARS-USMARC-PARENT-DQ984826-RS29027559	ISAG	14	27,751,888	T/A	A/T
ARS-USMARC-PARENT-DQ846691-RS29019814	ISAG	14	48,380,429	T/C	A/G
ARS-BFGL-NGS-42505	ISAG	14	62,478,242	A/G	A/G
ARS-BFGL-NGS-103346	ICAR	14	68,578,968	A/G	A/G
ARS-USMARC-PARENT-DQ846692-RS29010281	ISAG	14	80,082,923	A/G	A/G
BTB-01912619	ICAR	15	20,712,027	A/G	A/G
ARS-USMARC-PARENT-EF042090-NO-RS	ISAG	15	21,207,529	A/G	A/G
ARS-BFGL-NGS-12610	ICAR	15	27,822,630	T/C	A/G
ARS-BFGL-NGS-115514	ISAG	15	38,003,134	A/G	A/G
ARS-USMARC-PARENT-DQ866817-NO-RS	ISAG	15	38,078,775	A/G	A/G
BTB-01371672	ISAG	15	50,566,485	T/C	A/G

BTA-37062-NO-RS	ISAG	15	51,528,617	T/G	A/C
Hapmap32097-BTA-150519	ICAR	15	56,302,387	A/G	A/G
ARS-BFGL-NGS-55943	ISAG	15	64,628,706	T/C	A/G
ARS-USMARC-PARENT-DQ866818-RS29011701	ISAG	15	79,187,295	A/C	A/C
ARS-USMARC-PARENT-DQ846693-RS29017621	ISAG	16	9,855,276	A/G	A/G
ARS-BFGL-NGS-117319	ISAG	16	12,238,539	A/G	A/G
ARS-BFGL-BAC-19454	ISAG	16	13,695,211	A/G	A/G
HAPMAP40729-BTA-40319	ISAG	16	19,882,683	T/C	A/G
HAPMAP47281-BTA-40051	ISAG	16	72,931,875	A/G	A/G
ARS-USMARC-Parent-DQ846695-no-rs	ICAR	16	80,747,557	T/C	A/G
ARS_USMARC_Parent_DQ888310_rs29012422	ISAG	17	991,486	A/C	A/C
ARS-BFGL-NGS-118319	ISAG	17	9,279,323	A/C	A/C
ARS-BFGL-NGS-11383	ISAG	17	12,891,997	A/G	A/G
ARS-USMARC-PARENT-DQ381152-RS29002408	ISAG	17	17,616,950	T/A	A/T
ARS-USMARC-PARENT-AY858890-RS29002256	ISAG	17	29,936,157	C/G	C/G
ARS-USMARC-569	ISAG	17	30,360,942	A/G	A/G
BTB-01715543	ICAR	17	45,185,286	A/G	A/G
ARS-USMARC-PARENT-AY860426-NO-RS	ISAG	17	56,512,519	T/G	A/C
HAPMAP51227-BTA-41809	ISAG	17	67,216,420	A/G	A/G
BTB-00689316	ICAR	17	71,925,055	T/C	A/G
ARS-USMARC-PARENT-EF028073-RS29014953	ISAG	18	1,839,733	T/C	A/G
HAPMAP54020-RS29023153	ISAG	18	6,776,532	A/G	A/G
ARS-USMARC-PARENT-DQ916059-RS29009907	ISAG	18	23,426,214	T/C	A/G
ARS-BFGL-NGS-118340	ISAG	18	26,844,474	T/G	A/C
Hapmap47949-BTA-43407	ICAR	18	44,524,702	A/G	A/G
ARS-USMARC-PARENT-AY863214-RS17871744	ISAG	18	46,647,177	T/C	A/G
ARS-USMARC-PARENT-AY914316-RS17871403	ISAG	18	48,812,014	T/G	A/C
ARS-BFGL-NGS-37708	ICAR	18	49,928,003	A/G	A/G
ARS-BFGL-NGS-38620	ISAG	18	64,382,705	A/G	A/G
Hapmap39390-BTA-22146	ICAR	19	4,509,536	T/G	A/C
HAPMAP50598-BTA-122724	ISAG	19	4,670,556	A/G	A/G
BTB-00736933	ICAR	19	8,280,552	A/C	A/C
ARS-USMARC-PARENT-DQ888311-RS29017313	ISAG	19	8,505,317	A/C	A/C
ARS-BFGL-NGS-33000	ICAR	19	10,542,886	A/G	A/G
HAPMAP26973-BTA-147422	ICAR	19	12,340,926	T/C	A/G
ARS-USMARC-PARENT-EF026084-RS29025380	ISAG	19	15,345,312	T/C	A/G
ARS-BFGL-NGS-36513	ISAG	19	17,236,707	A/G	A/G
ARS-BFGL-NGS-42338	ICAR	19	17,326,249	A/G	A/G
UA-IFASA-7987	ICAR	19	18,799,689	A/G	A/G
HAPMAP40170-BTA-20573	ICAR	19	19,175,183	T/G	A/C
BTA-118486-NO-RS	ICAR	19	21,716,537	T/C	A/G
ARS-BFGL-NGS-32769	ICAR	19	22,346,456	T/C	A/G
HAPMAP57648-RS29022376	ICAR	19	22,709,090	A/G	A/G
HAPMAP58587-SS46526997	ICAR	19	24,972,085	A/G	A/G

HAPMAP46758-BTA-108921	ICAR	19	26,182,297	A/G	A/G
ARS-BFGL-NGS-6269	ICAR	19	29,411,883	A/G	A/G
ARS-BFGL-NGS-1097	ICAR	19	34,836,416	T/C	A/G
ARS-USMARC-Parent-DQ888312-rs29015945	ICAR	19	36,437,188	A/G	A/G
ARS-BFGL-NGS-57711	ISAG	19	40,692,429	A/G	A/G
ARS-BFGL-NGS-28504	ICAR	19	44,403,315	A/G	A/G
ARS-USMARC-PARENT-AY916666-NO-RS	ISAG	19	44,799,390	A/G	A/G
ARS-BFGL-NGS-114067	ICAR	19	46,117,735	T/C	A/G
UA-IFASA-8658	ICAR	19	47,415,500	T/G	A/C
ARS-BFGL-NGS-73980	ICAR	19	51,419,352	T/C	A/G
HAPMAP42556-BTA-45815	ICAR	19	51,445,450	T/C	A/G
BTB-01416427	ISAG	19	52,911,677	T/C	A/G
ARS-BFGL-NGS-103691	ICAR	19	53,473,744	A/G	A/G
ARS-BFGL-NGS-12595	ICAR	19	55,101,341	T/C	A/G
ARS-USMARC-PARENT-EF164803-RS29011141	ISAG	19	55,174,260	A/G	A/G
ARS-BFGL-NGS-16504	ICAR	19	55,967,853	A/C	A/C
ARS-BFGL-NGS-112392	ICAR	19	56,341,205	T/G	A/C
ARS-BFGL-NGS-64451	ICAR	19	60,407,194	T/C	A/G
ARS-BFGL-NGS-45547	ICAR	19	62,478,817	A/G	A/G
ARS-BFGL-NGS-32846	ICAR	19	63,560,230	A/G	A/G
Hapmap40826-BTA-87264	ICAR	20	496,304	A/G	A/G
HAPMAP36588-SCAFFOLD90561_9460	ISAG	20	2,289,049	A/G	A/G
ARS-USMARC-PARENT-DQ888313-NO-RS	ISAG	20	17,837,675	T/C	A/G
HAPMAP46550-BTA-103548	ISAG	20	30,928,803	A/T	A/T
ARS-USMARC-Parent-DQ990835-rs29012811	ICAR	20	36,570,529	G/C	C/G
BTB-01565998	ICAR	20	37,915,840	A/G	A/G
ARS-USMARC-PARENT-AY919868-RS29002211	ISAG	20	46,066,109	A/G	A/G
BTB-00041743	ICAR	20	46,735,404	A/G	A/G
Hapmap32669-BTA-50759	ICAR	20	50,999,239	A/G	A/G
ARS-BFGL-NGS-96125	ISAG	20	58,449,212	A/G	A/G
HAPMAP52072-RS29018920	ICAR	21	2,333,804	A/C	A/C
ARS-BFGL-NGS-104603	ICAR	21	2,918,184	A/G	A/G
ARS-USMARC-PARENT-DQ995976-NO-RS	ISAG	21	3,088,886	T/C	A/G
ARS-BFGL-NGS-44686	ICAR	21	9,190,518	T/C	A/G
ARS-BFGL-NGS-16249	ICAR	21	10,944,434	T/C	A/G
ARS-BFGL-NGS-109907	ICAR	21	12,539,191	T/C	A/G
HAPMAP57137-RS29011525	ICAR	21	18,454,966	T/C	A/G
BTB-00806621	ICAR	21	18,912,588	A/G	A/G
ARS-BFGL-NGS-111076	ISAG	21	21,220,448	T/C	A/G
ARS-BFGL-NGS-8229	ICAR	21	22,156,279	T/C	A/G
HAPMAP53212-RS29015272	ICAR	21	25,704,052	T/C	A/G
ARS-USMARC-PARENT-EF093511-RS29012316	ISAG	21	26,620,013	T/G	A/C
HAPMAP39461-BTA-109898	ISAG	21	27,927,781	T/G	A/C
ARS-BFGL-NGS-13360	ICAR	21	30,118,274	A/G	A/G

ARS-BFGL-NGS-117619	ICAR	21	31,035,761	A/G	A/G
HAPMAP38899-BTA-52139	ICAR	21	36,492,508	A/C	A/C
BTB-01303828	ICAR	21	37,143,433	T/C	A/G
BTB-00818821	ISAG	21	40,408,803	A/G	A/G
ARS-BFGL-NGS-23813	ICAR	21	42,540,260	A/C	A/C
ARS-BFGL-NGS-22685	ICAR	21	46,877,052	T/C	A/G
ARS-BFGL-NGS-19437	ICAR	21	47,400,719	T/C	A/G
BTB-01375460	ICAR	21	51,325,226	A/G	A/G
ARS-BFGL-NGS-26517	ISAG	21	52,139,183	A/G	A/G
HAPMAP26512-BTA-52638	ICAR	21	55,483,469	T/C	A/G
HAPMAP31098-BTA-136127	ISAG	21	62,028,408	T/C	A/G
ARS-BFGL-NGS-115598	ICAR	21	62,709,685	T/C	A/G
ARS-BFGL-NGS-25959	ICAR	21	64,354,251	T/C	A/G
ARS-USMARC-PARENT-EF026085-RS29021607	ISAG	21	65,198,296	A/C	A/C
Hapmap35472-SCAFFOLD35342_21388	ICAR	21	66,107,076	T/C	A/G
ARS-BFGL-NGS-115346	ICAR	21	67,515,244	T/C	A/G
ARS-BFGL-NGS-37484	ICAR	21	68,683,196	T/C	A/G
ARS-BFGL-NGS-114538	ICAR	21	70,521,657	T/C	A/G
ARS-BFGL-NGS-2644	ICAR	21	70,608,408	T/C	A/G
ARS-USMARC-PARENT-DQ990832-RS29015065	ISAG	22	11,038,205	A/G	A/G
ARS-BFGL-NGS-24419	ISAG	22	11,756,783	T/C	A/G
UA-IFASA-6532	ISAG	22	21,770,149	T/C	A/G
ARS-USMARC-PARENT-EF093509-RS29015170	ISAG	22	22,573,121	T/A	A/T
BTA-100621-NO-RS	ICAR	22	25,598,780	A/G	A/G
HAPMAP43953-BTA-83292	ISAG	22	54,103,673	A/G	A/G
ARS-USMARC-PARENT-EF034082-RS29013532	ISAG	22	56,526,462	A/G	A/G
ARS-BFGL-NGS-119059	ICAR	22	58,748,602	A/G	A/G
ARS-USMARC-PARENT-AY929334-NO-RS	ISAG	23	7,219,975	T/C	A/G
ARS-USMARC-PARENT-AY937242-RS17872223	ISAG	23	27,306,795	A/G	A/G
HAPMAP35535-SCAFFOLD86180_8791	ISAG	23	41,700,829	T/C	A/G
Hapmap23842-BTA-56935	ICAR	23	47,219,946	T/G	A/C
ARS-USMARC-PARENT-EF089234-RS29020870	ISAG	23	50,884,052	A/T	A/T
ARS-BFGL-NGS-31568	ICAR	23	51,795,496	A/G	A/G
ARS-USMARC-PARENT-DQ995977-RS29020834	ISAG	24	1,854,953	T/C	A/G
HAPMAP34424-BES10_CONTIG566_926	ISAG	24	6,408,329	A/G	A/G
ARS-BFGL-NGS-2592	ICAR	24	12,775,555	T/C	A/G
ARS-USMARC-PARENT-DQ990833-RS29010147	ISAG	24	15,447,771	A/G	A/G
ARS-BFGL-NGS-85334	ICAR	24	54,964,769	A/G	A/G
ARS-USMARC-PARENT-AY939849-RS17870274	ISAG	24	56,415,794	A/G	A/G
ARS-USMARC-PARENT-EF034083-RS29018286	ISAG	25	3,126,438	T/G	A/C
ARS-USMARC-PARENT-AY941204-RS17872131	ISAG	25	14,683,151	T/C	A/G
ARS-BFGL-NGS-114006	ISAG	25	20,114,319	A/G	A/G
ARS-BFGL-NGS-16739	ICAR	25	20,723,432	T/C	A/G
HAPMAP41591-BTA-59790	ISAG	25	27,912,102	T/C	A/G

ARS-USMARC-Parent-AY942198-rs29003010	ICAR	25	40,851,475	T/C	A/G
ARS-USMARC-PARENT-DQ990834-RS29013727	ISAG	26	8,221,270	A/G	A/G
ARS-USMARC-PARENT-EF150946-RS29023666	ISAG	26	13,229,219	A/G	A/G
ARS-BFGL-NGS-35579	ICAR	26	26,058,953	T/G	A/C
ARS-BFGL-NGS-43058	ICAR	26	37,466,186	T/C	A/G
ARS-USMARC-PARENT-EF034086-NO-RS	ISAG	26	38,233,337	T/C	A/G
ARS-BFGL-NGS-10035	ISAG	26	39,952,154	T/C	A/G
HAPMAP24215-BTA-163266	ISAG	27	10,764,825	T/G	A/C
ARS-BFGL-NGS-102169	ISAG	27	12,930,436	A/C	A/C
ARS-USMARC-PARENT-EF093512-RS29013546	ISAG	27	15,141,319	G/C	C/G
ARS-USMARC-PARENT-EF034084-RS29016185	ISAG	27	21,480,570	C/G	C/G
ARS-USMARC-PARENT-EF141102-RS29015783	ISAG	27	37,513,923	A/G	A/G
HAPMAP51908-BTA-63031	ISAG	27	41,049,981	T/C	A/G
Hapmap42117-BTA-15977	ICAR	27	44,629,833	A/G	A/G
ARS-USMARC-PARENT-EF034085-RS29025677	ISAG	28	5,913,226	A/G	A/G
Hapmap43150-BTA-110538	ICAR	28	6,732,947	A/G	A/G
ARS-USMARC-PARENT-EF034087-NO-RS	ISAG	28	16,097,749	T/C	A/G
HAPMAP52240-RS29013844	ISAG	28	20,453,054	T/G	A/C
ARS-BFGL-NGS-76330	ISAG	28	33,449,126	A/G	A/G
ARS-USMARC-PARENT-EF026086-RS29013660	ISAG	28	35,331,560	T/C	A/G
ARS-USMARC-PARENT-EF042091-RS29014974	ISAG	28	44,261,945	A/G	A/G
ARS-BFGL-NGS-56314	ICAR	29	4,944,723	T/C	A/G
ARS-USMARC-PARENT-AY856094-RS17871190	ISAG	29	9,160,939	A/G	A/G
ARS-USMARC-PARENT-EF034080-RS29024749	ISAG	29	28,647,816	A/G	A/G
UA-IFASA-5034	ISAG	29	29,052,623	T/C	A/G
ARS-BFGL-NGS-90760	ICAR	29	40,153,672	T/C	A/G
ARS-USMARC-PARENT-DQ404153-NO-RS	ISAG	29	44,756,502	T/C	A/G

***ISAG** refers to the International Society of Animal Genetics

****ICAR** refers to International Committee for Animal Recording