

# Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C202116

Species:  Human  Mouse  Rat  Monkey (Rh)  Guinea Pig  Porcine  
 Bovine  Hamster  Dog  Monkey (Cy)  Rabbit  Plant

Tissue Type:  Normal  Adult  Fetal  Tumor  Disease  Cell line

Tissue Name: Lung

Donor Information:

Male: \_\_\_\_\_ year(s) old  
Female: 58 year(s) old

Pathological Diagnosis: Adenocarcinoma, Mixed

Tumor Size: diameter 4 cm

Location: left upper lobe

Components:

1. 5 curls per package
2. Certificate of Analysis

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: \_\_\_\_\_



## 35 Genes Targeted

AKT1	FGFR2	MAP2K1
ALK	FGFR3	MAP2K2
AR	GNA11	MET
BRAF	GNAQ	MTOR
CDK4	HRAS	NRAS
CTNNB1	IDH1	PDGFRA
DDR2	IDH2	PIK3CA
EGFR	JAK1	RAF1
ERBB2	JAK2	RET
ERBB3	JAK3	ROS1
ERBB4	KIT	SMO
ESR1	KRAS	

## Details of Variants

Column Header	Definition
<b>Gene ID</b>	The Gene symbol for the gene located at this position
<b>Chrom</b>	The chromosome where the target region is located
<b>Position</b>	The genomic position of the variant in the build of the genome database
<b>Ref</b>	The reference allele of the variation
<b>Variant</b>	The alternate allele of the variation
<b>Allele Call</b>	The type of variation, either heterozygous or homozygous
<b>Frequency</b>	The percentage of reads for the sample that includes the variant
<b>Quality</b>	The quality score of the variant
<b>Type</b>	The variant type, which can be SNP, MNP, Ins, Del, and Complex
<b>Allele Source</b>	Listed as Hotspot for alleles found within the hotspots sequencing file and Novel for all other alleles
<b>Coverage</b>	The number of reads that cover the region
<b>Allele Name</b>	The allele name that is defined within the hotspots sequencing file (if Novel allele, then there is no name)

C202116

Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
MTOR	chr1	11188008	C	T	Heterozygous	2.3	21	SNP	Novel	260	---
MTOR	chr1	11188022	G	A	Heterozygous	1.5	11	SNP	Novel	264	---
MTOR	chr1	11188028	G	A	Heterozygous	2.3	21	SNP	Novel	265	---
MTOR	chr1	11188061	C	T	Heterozygous	1.9	16	SNP	Novel	267	---
MTOR	chr1	11188067	G	A	Heterozygous	2.2	20	SNP	Novel	269	---
MTOR	chr1	11188198	G	A	Heterozygous	6.7	10	SNP	Novel	30	---
MTOR	chr1	11188253	G	A	Heterozygous	10.3	15	SNP	Novel	29	---
MTOR	chr1	11217205	T	A	Heterozygous	4.9	46	SNP	Novel	162	---
MTOR	chr1	11217297	C	T	Heterozygous	3.3	29	SNP	Novel	181	---
NRAS	chr1	115252228	C	T	Heterozygous	8	10	SNP	Novel	25	---
NRAS	chr1	115256524	C	T	Heterozygous	2.5	43	SNP	Novel	600	---
NRAS	chr1	115258697	C	T	Heterozygous	1.9	25	SNP	Novel	568	---
NRAS	chr1	115258738	C	T	Heterozygous	1.8	21	SNP	Novel	563	---
NRAS	chr1	115258744	C	T	Heterozygous	1.6	16	SNP	Hotspot	497	COSM573
NRAS	chr1	115258752	T	G	Heterozygous	2.1	26	SNP	Novel	482	---
ALK	chr2	29416092	A	G	Heterozygous	38.1	58	SNP	Novel	21	---
ALK	chr2	29416366	G	C	Heterozygous	81.8	350	SNP	Novel	33	---
ALK	chr2	29416432	G	A	Heterozygous	8.8	15	SNP	Novel	34	---
ALK	chr2	29416572	T	C	Homozygous	100	424	SNP	Novel	29	---
ALK	chr2	29416653	C	T	Heterozygous	6.7	15	SNP	Novel	45	---
ALK	chr2	29420469	C	T	Heterozygous	3.1	27	SNP	Novel	192	---
ALK	chr2	29432707	C	T	Heterozygous	1.2	11	SNP	Novel	1029	---
ALK	chr2	29436918	G	C	Heterozygous	43.5	80	SNP	Novel	23	---
ALK	chr2	29445314	G	A	Heterozygous	2.8	19	SNP	Novel	144	---
ALK	chr2	29445418	G	A	Heterozygous	2.1	15	SNP	Novel	145	---
ALK	chr2	29445423	C	T	Heterozygous	7.5	77	SNP	Novel	147	---
ALK	chr2	29445458	G	T	Heterozygous	58	1199	SNP	Novel	131	---
IDH1	chr2	209113135	C	T	Heterozygous	1.7	12	SNP	Novel	175	---
ERBB4	chr2	212488717	C	T	Heterozygous	1.9	19	SNP	Novel	361	---
ERBB4	chr2	212488750	G	A	Heterozygous	1.5	15	SNP	Novel	453	---
ERBB4	chr2	212488777	G	A	Heterozygous	1.3	10	SNP	Novel	386	---
RAF1	chr3	12645679	G	A	Heterozygous	1.5	20	SNP	Novel	919	---
PIK3CA	chr3	178921472	G	A	Heterozygous	4.9	15	SNP	Novel	61	---
PIK3CA	chr3	178921496	C	T	Heterozygous	4.8	15	SNP	Novel	63	---
PIK3CA	chr3	178921513	G	A	Heterozygous	4.8	15	SNP	Novel	63	---

PIK3CA	chr3	178922318	G	A	Heterozygous	16.7	29	SNP	Novel	30	---
FGFR3	chr4	1797669	C	A	Heterozygous	2.7	66	SNP	Novel	889	---
FGFR3	chr4	1797676	C	T	Heterozygous	1.5	21	SNP	Novel	904	---
FGFR3	chr4	1797679	C	T	Heterozygous	1.2	12	SNP	Novel	904	---
FGFR3	chr4	1797688	C	T	Heterozygous	0.8	11	SNP	Novel	920	---
FGFR3	chr4	1797691	C	T	Heterozygous	1.2	25	SNP	Novel	911	---
FGFR3	chr4	1797705	G	A	Heterozygous	2	36	SNP	Novel	917	---
FGFR3	chr4	1797706	C	T	Heterozygous	1.5	20	SNP	Novel	922	---
FGFR3	chr4	1801124	G	A	Heterozygous	14.3	15	SNP	Novel	21	---
FGFR3	chr4	1803564	C	T	Heterozygous	1.8	15	SNP	Hotspot	282	COSM714
FGFR3	chr4	1803565	G	A	Heterozygous	1.8	15	SNP	Hotspot	282	COSM1757310
FGFR3	chr4	1803592	C	T	Heterozygous	2.2	23	SNP	Novel	277	---
FGFR3	chr4	1803606	A	G	Heterozygous	10.8	293	SNP	Novel	360	---
FGFR3	chr4	1803624	G	A	Heterozygous	2.8	37	SNP	Novel	397	---
FGFR3	chr4	1805796	G	A	Heterozygous	2.6	21	SNP	Novel	190	---
FGFR3	chr4	1805800	C	T	Heterozygous	2.1	16	SNP	Novel	190	---
FGFR3	chr4	1805820	C	T	Heterozygous	2.8	24	SNP	Novel	217	---
FGFR3	chr4	1805852	G	A	Heterozygous	2.3	39	SNP	Novel	218	---
FGFR3	chr4	1805857	T	-	Heterozygous	1.3	17	DEL	Novel	224	---
FGFR3	chr4	1806105	G	A	Heterozygous	1.8	12	SNP	Novel	167	---
FGFR3	chr4	1806125	G	T	Heterozygous	1.8	25	SNP	Novel	171	---
FGFR3	chr4	1806131	T	C	Heterozygous	2.8	22	SNP	Novel	179	---
FGFR3	chr4	1806136	G	A	Heterozygous	9.2	107	SNP	Novel	174	---
FGFR3	chr4	1807894	G	A	Homozygous	100	5340	SNP	Novel	259	---
FGFR3	chr4	1807917	G	A	Heterozygous	2.4	59	SNP	Novel	253	---
FGFR3	chr4	1808345	G	A	Heterozygous	8.4	471	SNP	Novel	855	---
FGFR3	chr4	1808370	G	A	Heterozygous	1.1	59	SNP	Novel	889	---
FGFR3	chr4	1808377	G	A	Heterozygous	1.6	21	SNP	Novel	900	---
FGFR3	chr4	1808390	C	T	Heterozygous	1.1	32	SNP	Novel	885	---
FGFR3	chr4	1809476	C	T	Heterozygous	46.7	436	SNP	Novel	75	---
PDGFRA	chr4	55097767	C	T	Heterozygous	8.7	10	SNP	Novel	23	---
PDGFRA	chr4	55104328	C	T	Heterozygous	5.4	10	SNP	Novel	37	---
PDGFRA	chr4	55121606	T	A	Heterozygous	18.5	29	SNP	Novel	27	---
PDGFRA	chr4	55123742	A	G	Heterozygous	53.5	257	SNP	Novel	43	---
PDGFRA	chr4	55126236	G	A	Heterozygous	42.2	802	SNP	Novel	135	---
PDGFRA	chr4	55133699	G	A	Heterozygous	9.1	28	SNP	Novel	55	---
PDGFRA	chr4	55144122	C	T	Heterozygous	1.5	11	SNP	Novel	272	---
PDGFRA	chr4	55144155	G	A	Heterozygous	2.4	24	SNP	Novel	294	---

PDGFRA	chr4	55144157	A	C	Heterozygous	1.8	15	SNP	Novel	282	---
PDGFRA	chr4	55144162	G	A	Heterozygous	1.8	15	SNP	Novel	283	---
PDGFRA	chr4	55144169	G	A	Heterozygous	1.4	11	SNP	Novel	279	---
PDGFRA	chr4	55152082	C	T	Heterozygous	5.8	25	SNP	Novel	52	---
PDGFRA	chr4	55161910	C	T	Heterozygous	2.6	14	SNP	Novel	117	---
KIT	chr4	55566266	G	A	Homozygous	100	1059	SNP	Novel	60	---
KIT	chr4	55589755	C	T	Heterozygous	1.4	10	SNP	Novel	285	---
KIT	chr4	55589758	G	A	Heterozygous	1.4	18	SNP	Novel	288	---
KIT	chr4	55589788	G	A	Heterozygous	1.4	10	SNP	Novel	295	---
KIT	chr4	55589794	C	T	Heterozygous	1.4	10	SNP	Novel	295	---
KIT	chr4	55592235	C	T	Heterozygous	1.6	12	SNP	Novel	251	---
KIT	chr4	55592244	G	A	Heterozygous	1.6	12	SNP	Novel	249	---
KIT	chr4	55594190	G	A	Heterozygous	6.8	21	SNP	Novel	59	---
KIT	chr4	55594218	C	T	Heterozygous	3.8	15	SNP	Novel	79	---
KIT	chr4	55599347	G	A	Heterozygous	4.9	10	SNP	Hotspot	41	COSM19110
ROS1	chr6	117641126	G	A	Heterozygous	4.7	10	SNP	Novel	43	---
EGFR	chr7	55198967	-	A	Heterozygous	54.3	398	INS	Novel	94	---
EGFR	chr7	55198967	G	A	Heterozygous	52.1	684	SNP	Novel	94	---
EGFR	chr7	55219967	C	T	Heterozygous	1.9	13	SNP	Novel	158	---
EGFR	chr7	55219970	T	C	Heterozygous	1.9	13	SNP	Novel	161	---
EGFR	chr7	55221822	C	T	Heterozygous	2.9	10	SNP	Hotspot	69	COSM21687
EGFR	chr7	55221863	G	T	Heterozygous	4.8	20	SNP	Novel	83	---
EGFR	chr7	55221864	G	A	Heterozygous	7.2	35	SNP	Novel	83	---
EGFR	chr7	55221867	C	T	Heterozygous	6.1	27	SNP	Novel	82	---
EGFR	chr7	55221893	C	T	Heterozygous	7.8	35	SNP	Novel	77	---
EGFR	chr7	55232973	G	A	Heterozygous	1.4	15	SNP	Novel	722	---
EGFR	chr7	55232974	G	A	Heterozygous	1.5	18	SNP	Novel	722	---
EGFR	chr7	55233009	G	A	Heterozygous	1.1	10	SNP	Novel	960	---
EGFR	chr7	55233024	G	A	Heterozygous	1.2	11	SNP	Novel	953	---
EGFR	chr7	55233031	C	T	Heterozygous	1.6	23	SNP	Novel	941	---
EGFR	chr7	55233043	G	A	Heterozygous	1.4	16	SNP	Novel	931	---
EGFR	chr7	55233045	G	A	Heterozygous	1.4	17	SNP	Novel	930	---
EGFR	chr7	55241664	G	A	Heterozygous	4.9	112	SNP	Novel	492	---
EGFR	chr7	55241706	G	A	Heterozygous	1.3	10	SNP	Novel	387	---
EGFR	chr7	55241710	T	G	Heterozygous	4.9	98	SNP	Novel	408	---
EGFR	chr7	55259506	A	C	Heterozygous	5.9	15	SNP	Novel	51	---
MET	chr7	116339373	C	T	Heterozygous	2.2	14	SNP	Novel	138	---
MET	chr7	116340234	C	T	Heterozygous	1.5	13	SNP	Novel	328	---

MET	chr7	116340265	A	G	Heterozygous	1.5	12	SNP	Novel	329	---
MET	chr7	116340271	T	G	Heterozygous	2.4	26	SNP	Novel	338	---
MET	chr7	116340287	G	A	Heterozygous	1.5	13	SNP	Novel	326	---
MET	chr7	116398801	C	T	Heterozygous	1.5	22	SNP	Novel	273	---
MET	chr7	116415125	C	T	Heterozygous	3.8	10	SNP	Novel	52	---
MET	chr7	116415159	G	A	Heterozygous	3.6	10	SNP	Novel	55	---
MET	chr7	116415190	G	A	Heterozygous	3.6	10	SNP	Novel	55	---
MET	chr7	116423449	G	A	Heterozygous	1.4	13	SNP	Novel	490	---
MET	chr7	116423450	G	A	Heterozygous	1.8	21	SNP	Novel	490	---
MET	chr7	116423469	G	A	Heterozygous	1.4	13	SNP	Novel	485	---
MET	chr7	116423475	G	A	Heterozygous	2.3	30	SNP	Hotspot	486	COSM694
MET	chr7	116434473	C	A	Heterozygous	6.8	21	SNP	Novel	59	---
MET	chr7	116434499	T	G	Heterozygous	6	21	SNP	Novel	67	---
MET	chr7	116434504	T	C	Heterozygous	3.3	10	SNP	Novel	61	---
SMO	chr7	128845602	C	T	Heterozygous	8.8	36	SNP	Novel	68	---
SMO	chr7	128846368	G	A	Heterozygous	1.2	12	SNP	Novel	816	---
SMO	chr7	128846379	G	A	Heterozygous	1.2	12	SNP	Novel	815	---
SMO	chr7	128846395	G	C	Heterozygous	8.1	414	SNP	Novel	806	---
SMO	chr7	128849162	C	T	Heterozygous	5.7	15	SNP	Novel	53	---
SMO	chr7	128850271	C	T	Heterozygous	1.5	11	SNP	Novel	266	---
SMO	chr7	128850272	G	A	Heterozygous	1.9	41	SNP	Novel	266	---
SMO	chr7	128850294	G	A	Heterozygous	1.4	11	SNP	Novel	282	---
SMO	chr7	128850327	C	T	Heterozygous	1.9	19	SNP	Novel	364	---
BRAF	chr7	140476881	G	A	Heterozygous	1.9	21	SNP	Novel	414	---
BRAF	chr7	140481433	C	T	Heterozygous	1.8	17	SNP	Novel	333	---
BRAF	chr7	140481438	A	G	Heterozygous	3.5	47	SNP	Novel	311	---
BRAF	chr7	140494244	G	A	Heterozygous	2.5	18	SNP	Novel	161	---
BRAF	chr7	140494270	G	A	Heterozygous	2.3	14	SNP	Novel	128	---
BRAF	chr7	140500246	G	A	Heterozygous	1.2	12	SNP	Novel	904	---
BRAF	chr7	140500290	C	A	Heterozygous	4.1	138	SNP	Novel	856	---
BRAF	chr7	140507826	G	A	Heterozygous	1.5	11	SNP	Novel	269	---
GNAQ	chr9	80412484	G	A	Heterozygous	2.5	27	SNP	Novel	324	---
GNAQ	chr9	80412496	A	G	Heterozygous	3.2	42	SNP	Novel	345	---
GNAQ	chr9	80412503	G	A	Heterozygous	1.7	16	SNP	Novel	345	---
GNAQ	chr9	80412509	C	T	Heterozygous	2	20	SNP	Novel	345	---
GNAQ	chr9	80412521	G	A	Heterozygous	2	20	SNP	Novel	352	---
RET	chr10	43609077	C	T	Heterozygous	5.9	84	SNP	Novel	256	---
RET	chr10	43609108	C	A	Heterozygous	1.5	18	SNP	Novel	268	---

RET	chr10	43609113	A	G	Heterozygous	1.5	11	SNP	Novel	269	---
RET	chr10	43613796	C	T	Heterozygous	1.4	11	SNP	Novel	281	---
RET	chr10	43613822	G	A	Heterozygous	1.4	14	SNP	Novel	283	---
RET	chr10	43613843	G	T	Heterozygous	99.3	5879	SNP	Novel	300	---
RET	chr10	43613843	GC	TT	Heterozygous	0.7	5879	MNP	Novel	300	---
RET	chr10	43613870	C	T	Heterozygous	1.5	11	SNP	Novel	265	---
FGFR2	chr10	123247576	C	T	Heterozygous	2.1	14	SNP	Novel	145	---
FGFR2	chr10	123247592	C	T	Heterozygous	1.4	10	SNP	Novel	141	---
FGFR2	chr10	123274827	C	T	Heterozygous	11.6	28	SNP	Novel	43	---
FGFR2	chr10	123274829	A	-	Heterozygous	7	15	DEL	Novel	43	---
FGFR2	chr10	123279622	G	A	Heterozygous	3	14	SNP	Novel	99	---
FGFR2	chr10	123279675	G	A	Heterozygous	7.6	60	SNP	Hotspot	118	COSM1346291
FGFR2	chr10	123279684	-	C	Heterozygous	10.1	90	INS	Novel	119	---
FGFR2	chr10	123279690	G	A	Heterozygous	2.9	14	SNP	Novel	102	---
FGFR2	chr10	123306077	C	T	Heterozygous	5.1	27	SNP	Novel	99	---
FGFR2	chr10	123312233	C	T	Heterozygous	17.6	140	SNP	Novel	91	---
FGFR2	chr10	123312238	C	T	Heterozygous	4.4	20	SNP	Novel	91	---
HRAS	chr11	534275	C	T	Heterozygous	2.8	14	SNP	Novel	106	---
HRAS	chr11	534300	A	T	Heterozygous	6.5	35	SNP	Novel	92	---
KRAS	chr12	25364772	C	T	Heterozygous	15.2	29	SNP	Novel	33	---
KRAS	chr12	25380282	G	A	Heterozygous	1.3	9	SNP	Novel	150	---
KRAS	chr12	25380289	C	T	Heterozygous	2.5	18	SNP	Novel	157	---
KRAS	chr12	25380335	C	T	Heterozygous	3.3	25	SNP	Novel	151	---
KRAS	chr12	25380337	T	G	Heterozygous	3.4	27	SNP	Novel	149	---
KRAS	chr12	25386054	C	G	Heterozygous	16.1	73	SNP	Novel	62	---
KRAS	chr12	25386062	-	A	Heterozygous	95.2	499	INS	Novel	62	---
KRAS	chr12	25386063	C	A	Heterozygous	79	756	SNP	Novel	62	---
KRAS	chr12	25386101	G	A	Heterozygous	3.8	15	SNP	Novel	78	---
KRAS	chr12	25386123	C	T	Heterozygous	30	212	SNP	Novel	70	---
KRAS	chr12	25386127	C	T	Heterozygous	2.9	10	SNP	Novel	70	---
KRAS	chr12	25391239	G	C	Heterozygous	24.1	46	SNP	Novel	29	---
KRAS	chr12	25398241	A	G	Heterozygous	5.4	20	SNP	Novel	74	---
KRAS	chr12	25398260	G	A	Heterozygous	5.3	20	SNP	Novel	75	---
KRAS	chr12	25398285	C	A	Heterozygous	18.8	105	SNP	Hotspot	69	COSM516
KRAS	chr12	25400206	G	T	Heterozygous	40.9	178	SNP	Novel	44	---
KRAS	chr12	25400268	G	A	Heterozygous	4.7	10	SNP	Novel	43	---
ERBB3	chr12	56477592	A	G	Heterozygous	2.2	14	SNP	Novel	137	---
ERBB3	chr12	56477602	C	T	Heterozygous	3.4	26	SNP	Novel	146	---

ERBB3	chr12	56477680	C	T	Heterozygous	4.7	44	SNP	Novel	171	---
ERBB3	chr12	56477694	A	T	Heterozygous	50	977	SNP	Novel	150	---
ERBB3	chr12	56477702	C	T	Heterozygous	2.1	14	SNP	Novel	145	---
ERBB3	chr12	56478811	G	A	Heterozygous	1.8	14	SNP	Novel	224	---
ERBB3	chr12	56478861	G	A	Heterozygous	1.9	14	SNP	Novel	212	---
ERBB3	chr12	56478892	C	T	Heterozygous	1.5	11	SNP	Novel	198	---
ERBB3	chr12	56482315	C	T	Heterozygous	6.1	161	SNP	Novel	493	---
ERBB3	chr12	56482335	G	A	Heterozygous	1.4	13	SNP	Novel	502	---
ERBB3	chr12	56482581	C	T	Heterozygous	8.1	15	SNP	Novel	37	---
CDK4	chr12	58142896	C	T	Heterozygous	2.9	34	SNP	Novel	315	---
CDK4	chr12	58142939	C	T	Heterozygous	1.4	12	SNP	Novel	348	---
CDK4	chr12	58143278	G	A	Heterozygous	3.5	26	SNP	Novel	141	---
CDK4	chr12	58143292	G	A	Heterozygous	2.8	20	SNP	Novel	142	---
CDK4	chr12	58144665	C	T	Heterozygous	97.7	2542	SNP	Novel	129	---
CDK4	chr12	58144905	G	A	Heterozygous	1.6	11	SNP	Novel	183	---
CDK4	chr12	58144912	G	A	Heterozygous	2.2	16	SNP	Novel	184	---
CDK4	chr12	58145960	C	T	Heterozygous	1.5	13	SNP	Novel	393	---
CDK4	chr12	58145962	C	T	Heterozygous	1.3	10	SNP	Novel	386	---
CDK4	chr12	58146001	G	A	Heterozygous	1.1	26	SNP	Novel	378	---
AKT1	chr14	105246552	C	T	Heterozygous	5.6	10	SNP	Novel	36	---
MAP2K1	chr15	66727450	C	A	Heterozygous	26.5	392	SNP	Novel	132	---
MAP2K1	chr15	66727475	A	G	Heterozygous	11.3	129	SNP	Novel	150	---
MAP2K1	chr15	66727499	G	A	Heterozygous	3.2	25	SNP	Novel	154	---
MAP2K1	chr15	66729193	A	T	Heterozygous	12	92	SNP	Novel	100	---
MAP2K1	chr15	66774118	C	T	Heterozygous	5.5	34	SNP	Novel	109	---
MAP2K1	chr15	66774154	G	T	Heterozygous	24.3	291	SNP	Novel	111	---
ERBB2	chr17	37868199	A	C	Heterozygous	7.7	10	SNP	Novel	26	---
ERBB2	chr17	37872469	G	A	Heterozygous	6	21	SNP	Novel	67	---
ERBB2	chr17	37879621	G	T	Heterozygous	2.7	81	SNP	Novel	1106	---
ERBB2	chr17	37879858	C	T	Heterozygous	2.3	29	SNP	Novel	432	---
ERBB2	chr17	37879863	C	T	Heterozygous	1.4	12	SNP	Novel	430	---
ERBB2	chr17	37879872	G	A	Heterozygous	1.9	21	SNP	Novel	482	---
ERBB2	chr17	37879883	T	A	Heterozygous	6.5	165	SNP	Novel	445	---
ERBB2	chr17	37879910	C	T	Heterozygous	2	21	SNP	Novel	406	---
ERBB2	chr17	37880321	C	G	Heterozygous	50	199	SNP	Novel	38	---
ERBB2	chr17	37880955	C	T	Heterozygous	2.6	19	SNP	Novel	156	---
ERBB2	chr17	37880960	A	C	Heterozygous	1.8	13	SNP	Novel	165	---
ERBB2	chr17	37880962	C	T	Heterozygous	2.4	18	SNP	Novel	165	---



ERBB2	chr17	37881010	C	T	Heterozygous	2.5	18	SNP	Novel	162	---
ERBB2	chr17	37881019	C	T	Heterozygous	2.4	18	SNP	Novel	167	---
ERBB2	chr17	37881024	C	T	Heterozygous	1.8	12	SNP	Novel	167	---
ERBB2	chr17	37881380	C	A	Heterozygous	2.8	10	SNP	Novel	71	---
ERBB2	chr17	37881395	G	A	Heterozygous	3	11	SNP	Novel	67	---
ERBB2	chr17	37881548	C	T	Heterozygous	3.7	31	SNP	Novel	164	---
ERBB2	chr17	37881599	C	A	Heterozygous	10.9	113	SNP	Novel	129	---
ERBB2	chr17	37881616	C	T	Heterozygous	11.4	102	SNP	Hotspot	114	COSM14066
ERBB2	chr17	37882932	C	T	Heterozygous	3.4	21	SNP	Novel	118	---
ERBB2	chr17	37882935	C	T	Heterozygous	5.2	34	SNP	Novel	116	---
ERBB2	chr17	37883151	G	C	Heterozygous	10.3	15	SNP	Novel	29	---
GNA11	chr19	3115022	C	T	Heterozygous	9.1	10	SNP	Novel	22	---
GNA11	chr19	3118919	C	T	Heterozygous	1	17	SNP	Novel	313	---
GNA11	chr19	3118926	G	C	Heterozygous	1.5	12	SNP	Novel	336	---
GNA11	chr19	3118935	G	A	Heterozygous	1.9	65	SNP	Novel	316	---
GNA11	chr19	3118949	G	A	Heterozygous	1.7	16	SNP	Novel	349	---
GNA11	chr19	3118957	G	A	Heterozygous	1.4	12	SNP	Novel	347	---
JAK3	chr19	17945940	T	G	Heterozygous	9.7	15	SNP	Novel	31	---
JAK3	chr19	17945972	G	A	Heterozygous	3.7	10	SNP	Novel	54	---
JAK3	chr19	17948744	C	T	Heterozygous	4.5	15	SNP	Novel	67	---
JAK3	chr19	17948762	G	A	Heterozygous	2.8	10	SNP	Novel	71	---
JAK3	chr19	17949146	A	G	Heterozygous	1.1	10	SNP	Novel	1581	---
JAK3	chr19	17949164	T	A	Heterozygous	3.5	199	SNP	Hotspot	1675	COSM48455
JAK3	chr19	17949169	C	T	Heterozygous	1.2	15	SNP	Novel	1670	---
JAK3	chr19	17949179	C	T	Heterozygous	1.1	13	SNP	Novel	1657	---
AR	chrX	66776209	G	A	Heterozygous	2.4	17	SNP	Novel	170	---
AR	chrX	66776211	G	A	Heterozygous	3.5	30	SNP	Novel	170	---
AR	chrX	66799226	C	T	Heterozygous	12.8	72	SNP	Novel	78	---
AR	chrX	66906893	G	A	Heterozygous	1.5	15	SNP	Novel	454	---
AR	chrX	66906913	C	T	Heterozygous	1.3	11	SNP	Novel	451	---
AR	chrX	66906916	A	T	Heterozygous	2	23	SNP	Novel	449	---
AR	chrX	66938937	C	T	Heterozygous	6.7	10	SNP	Novel	30	---
AR	chrX	66939009	C	T	Heterozygous	6.7	10	SNP	Novel	30	---
AR	chrX	66943564	C	T	Heterozygous	2.4	45	SNP	Novel	705	---
AR	chrX	66943572	G	A	Heterozygous	1.2	10	SNP	Novel	672	---
AR	chrX	66943584	G	A	Heterozygous	2.1	33	SNP	Novel	662	---