

# Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201036

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: 55 year(s) old

Pathological Diagnosis: Central Squamous Carcinoma, Mainly Squamous cell carcinoma, Carcinoma Infiltrating Pleura

Tumor Size: N/A

Location: right 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)

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Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
MTOR	chr1	11188064	C	T	Heterozygous	4.6	14	SNP	Novel	153	---
MTOR	chr1	11188067	G	A	Heterozygous	12.4	84	SNP	Novel	153	---
MTOR	chr1	11188068	G	A	Heterozygous	12.4	86	SNP	Novel	153	---
MTOR	chr1	11188088	G	A	Heterozygous	12.6	85	SNP	Novel	151	---
MTOR	chr1	11188093	G	A	Heterozygous	7.3	32	SNP	Novel	151	---
MTOR	chr1	11217215	C	T	Heterozygous	6.3	24	SNP	Novel	143	---
MTOR	chr1	11217235	C	T	Heterozygous	13.1	86	SNP	Novel	145	---
MTOR	chr1	11217261	C	T	Heterozygous	4.8	15	SNP	Novel	146	---
MTOR	chr1	11217265	C	T	Heterozygous	17	136	SNP	Novel	147	---
MTOR	chr1	11217268	G	A	Heterozygous	11.6	71	SNP	Novel	147	---
JAK1	chr1	65311220	C	T	Heterozygous	4.1	12	SNP	Novel	195	---
JAK1	chr1	65312354	G	A	Heterozygous	49	252	SNP	Novel	49	---
JAK1	chr1	65312384	G	A	Heterozygous	43.1	199	SNP	Novel	51	---
NRAS	chr1	115252194	C	T	Heterozygous	38.9	174	SNP	Novel	54	---
NRAS	chr1	115252213	C	T	Heterozygous	5.5	12	SNP	Novel	55	---
NRAS	chr1	115256517	C	T	Heterozygous	17.2	192	SNP	Novel	215	---
NRAS	chr1	115256543	C	T	Heterozygous	4.7	17	SNP	Novel	215	---
NRAS	chr1	115256555	C	T	Heterozygous	5.6	24	SNP	Novel	215	---
NRAS	chr1	115258745	C	T	Heterozygous	6.6	17	SNP	Hotspot	151	COSM571
ALK	chr2	29416572	T	C	Homozygous	100	1453	SNP	Novel	92	---
ALK	chr2	29416612	G	A	Heterozygous	13.7	64	SNP	Novel	95	---
ALK	chr2	29416638	C	T	Heterozygous	30.4	235	SNP	Novel	102	---
ALK	chr2	29416657	C	T	Heterozygous	20.8	135	SNP	Novel	101	---
ALK	chr2	29416671	G	A	Heterozygous	34.3	289	SNP	Novel	99	---
ALK	chr2	29420420	C	T	Heterozygous	23.8	127	SNP	Novel	80	---
ALK	chr2	29420442	G	A	Heterozygous	5	12	SNP	Novel	80	---
ALK	chr2	29420447	C	T	Heterozygous	23.8	126	SNP	Novel	80	---
ALK	chr2	29420452	G	A	Heterozygous	5	12	SNP	Novel	80	---
ALK	chr2	29432667	G	A	Heterozygous	4.6	28	SNP	Novel	546	---
ALK	chr2	29432697	C	T	Heterozygous	6.1	57	SNP	Novel	544	---
ALK	chr2	29432720	G	A	Heterozygous	4.2	22	SNP	Novel	543	---
ALK	chr2	29432722	G	A	Heterozygous	5	35	SNP	Novel	543	---
ALK	chr2	29445226	C	T	Heterozygous	20.7	70	SNP	Novel	58	---
ALK	chr2	29445241	G	A	Heterozygous	8.5	22	SNP	Novel	59	---
ALK	chr2	29445250	G	A	Heterozygous	8.3	22	SNP	Novel	60	---

ALK	chr2	29445299	G	A	Heterozygous	8.8	23	SNP	Novel	57	---
ALK	chr2	29445404	G	A	Heterozygous	18.8	87	SNP	Novel	80	---
ALK	chr2	29445425	G	A	Heterozygous	21	105	SNP	Novel	81	---
ALK	chr2	29445433	G	A	Heterozygous	22	114	SNP	Novel	82	---
ALK	chr2	29445458	G	T	Heterozygous	21.7	113	SNP	Novel	83	---
RAF1	chr3	12632359	C	T	Heterozygous	6.6	23	SNP	Novel	122	---
RAF1	chr3	12632371	G	A	Heterozygous	13	72	SNP	Novel	123	---
RAF1	chr3	12632380	G	A	Heterozygous	12.2	65	SNP	Novel	123	---
RAF1	chr3	12645690	G	A	Heterozygous	10.2	84	SNP	Novel	235	---
RAF1	chr3	12645724	C	T	Heterozygous	8.6	60	SNP	Novel	233	---
RAF1	chr3	12645732	G	A	Heterozygous	10.8	91	SNP	Novel	232	---
PIK3CA	chr3	178947830	C	T	Heterozygous	5.2	37	SNP	Novel	524	---
PIK3CA	chr3	178947837	C	T	Heterozygous	7.1	80	SNP	Novel	524	---
PIK3CA	chr3	178947871	C	T	Heterozygous	4.4	25	SNP	Novel	524	---
PIK3CA	chr3	178947874	C	T	Heterozygous	6.9	75	SNP	Novel	524	---
FGFR3	chr4	1797258	C	T	Heterozygous	34.1	127	SNP	Novel	44	---
FGFR3	chr4	1797702	C	T	Heterozygous	6.6	75	SNP	Novel	572	---
FGFR3	chr4	1797717	C	T	Heterozygous	3.7	15	SNP	Novel	572	---
FGFR3	chr4	1797734	G	A	Heterozygous	6	58	SNP	Novel	569	---
FGFR3	chr4	1797741	T	C	Heterozygous	44.4	2367	SNP	Novel	568	---
FGFR3	chr4	1797746	C	T	Heterozygous	3.7	15	SNP	Novel	567	---
FGFR3	chr4	1801143	C	T	Heterozygous	53.3	306	SNP	Novel	60	---
FGFR3	chr4	1801213	G	A	Heterozygous	22	83	SNP	Novel	59	---
FGFR3	chr4	1801225	G	A	Heterozygous	22.4	84	SNP	Novel	58	---
FGFR3	chr4	1803577	G	A	Heterozygous	6.7	82	SNP	Novel	609	---
FGFR3	chr4	1803597	C	T	Heterozygous	3.3	10	SNP	Novel	612	---
FGFR3	chr4	1803623	G	A	Heterozygous	3.6	14	SNP	Novel	616	---
FGFR3	chr4	1803624	G	A	Heterozygous	3.6	14	SNP	Novel	616	---
FGFR3	chr4	1803628	G	A	Heterozygous	3.4	12	SNP	Novel	617	---
FGFR3	chr4	1803629	C	T	Heterozygous	3.9	19	SNP	Novel	617	---
FGFR3	chr4	1803650	G	A	Heterozygous	7.2	95	SNP	Novel	612	---
FGFR3	chr4	1805789	C	T	Heterozygous	7.8	55	SNP	Novel	255	---
FGFR3	chr4	1805820	C	T	Heterozygous	9.2	76	SNP	Novel	262	---
FGFR3	chr4	1805866	C	T	Heterozygous	11.8	120	SNP	Novel	254	---
FGFR3	chr4	1806102	C	T	Heterozygous	6.5	46	SNP	Novel	340	---
FGFR3	chr4	1806133	C	T	Heterozygous	6.2	42	SNP	Novel	338	---
FGFR3	chr4	1806158	G	A	Heterozygous	4.7	22	SNP	Novel	339	---
FGFR3	chr4	1806160	G	A	Heterozygous	3.6	11	SNP	Novel	336	---

FGFR3	chr4	1806164	C	T	Heterozygous	8.6	83	SNP	Novel	338	---
FGFR3	chr4	1806184	C	T	Heterozygous	9.7	83	SNP	Novel	259	---
FGFR3	chr4	1807837	G	A	Heterozygous	6.2	51	SNP	Novel	416	---
FGFR3	chr4	1807840	C	T	Heterozygous	4.8	26	SNP	Novel	419	---
FGFR3	chr4	1807861	G	A	Heterozygous	5.2	33	SNP	Novel	422	---
FGFR3	chr4	1807867	G	A	Heterozygous	5	29	SNP	Novel	423	---
FGFR3	chr4	1807877	G	A	Heterozygous	4.7	25	SNP	Novel	425	---
FGFR3	chr4	1807882	C	T	Heterozygous	3.8	14	SNP	Novel	424	---
FGFR3	chr4	1807894	G	A	Homozygous	100	6661	SNP	Novel	421	---
FGFR3	chr4	1807903	G	A	Heterozygous	4.1	17	SNP	Novel	419	---
FGFR3	chr4	1808314	G	A	Heterozygous	3.2	10	SNP	Novel	719	---
FGFR3	chr4	1808357	G	A	Heterozygous	3.6	16	SNP	Novel	754	---
FGFR3	chr4	1808358	C	T	Heterozygous	4	23	SNP	Novel	754	---
FGFR3	chr4	1808378	C	T	Heterozygous	3.5	14	SNP	Novel	750	---
FGFR3	chr4	1808393	C	T	Heterozygous	3.4	13	SNP	Novel	743	---
PDGFRA	chr4	55144136	G	A	Heterozygous	19.1	120	SNP	Novel	110	---
PDGFRA	chr4	55161867	C	T	Heterozygous	20	42	SNP	Novel	35	---
PDGFRA	chr4	55161875	C	T	Heterozygous	8.6	14	SNP	Novel	35	---
PDGFRA	chr4	55161896	C	T	Heterozygous	11.1	20	SNP	Novel	36	---
KIT	chr4	55589784	G	A	Heterozygous	15.2	122	SNP	Novel	164	---
KIT	chr4	55593481	A	G	Heterozygous	93.3	375	SNP	Novel	30	---
ROS1	chr6	117638417	G	A	Heterozygous	20.7	76	SNP	Novel	58	---
ROS1	chr6	117641078	C	T	Heterozygous	20.6	43	SNP	Novel	34	---
ROS1	chr6	117641121	C	T	Heterozygous	20.6	43	SNP	Novel	34	---
ESR1	chr6	152419917	C	T	Heterozygous	25.4	107	SNP	Novel	63	---
ESR1	chr6	152419943	C	T	Heterozygous	26.2	115	SNP	Novel	65	---
ESR1	chr6	152419950	CC	TT	Heterozygous	7.7	21	MNP	Novel	65	---
ESR1	chr6	152419954	C	T	Heterozygous	7.7	21	SNP	Novel	65	---
ESR1	chr6	152419957	C	T	Heterozygous	7.7	21	SNP	Novel	65	---
ESR1	chr6	152419968	C	T	Heterozygous	7.8	21	SNP	Novel	64	---
EGFR	chr7	55211046	G	A	Heterozygous	5.3	18	SNP	Novel	150	---
EGFR	chr7	55219938	C	T	Heterozygous	26.1	36	SNP	Novel	23	---
EGFR	chr7	55232968	T	C	Heterozygous	3.9	16	SNP	Novel	434	---
EGFR	chr7	55232970	C	T	Heterozygous	6.7	60	SNP	Novel	433	---
EGFR	chr7	55232974	G	A	Heterozygous	6	47	SNP	Novel	434	---
EGFR	chr7	55233011	C	T	Heterozygous	5.4	34	SNP	Novel	427	---
EGFR	chr7	55233016	CCC	TCT	Heterozygous	7.3	83	MNP	Novel	412	---
EGFR	chr7	55233024	G	A	Heterozygous	6.8	62	SNP	Novel	424	---

EGFR	chr7	55241639	G	A	Heterozygous	8.1	36	SNP	Novel	136	---
EGFR	chr7	55241694	G	A	Heterozygous	7.5	30	SNP	Novel	133	---
EGFR	chr7	55249015	-	CAC	Heterozygous	27.5	113	INS	Novel	40	---
EGFR	chr7	55249063	G	A	Heterozygous	68.7	517	SNP	Novel	67	---
MET	chr7	116340252	G	A	Heterozygous	29.1	229	SNP	Novel	110	---
MET	chr7	116398763	C	T	Heterozygous	81.4	584	SNP	Novel	59	---
MET	chr7	116398798	C	T	Heterozygous	15.6	55	SNP	Novel	64	---
MET	chr7	116398813	G	A	Heterozygous	8.1	21	SNP	Novel	62	---
MET	chr7	116398814	G	A	Heterozygous	9.7	28	SNP	Novel	62	---
MET	chr7	116423412	G	A	Heterozygous	14.2	138	SNP	Novel	211	---
MET	chr7	116423461	C	T	Heterozygous	12.9	116	SNP	Novel	210	---
SMO	chr7	128845600	C	T	Heterozygous	36.6	251	SNP	Novel	82	---
SMO	chr7	128846343	C	T	Heterozygous	6.9	32	SNP	Novel	174	---
SMO	chr7	128846346	C	T	Heterozygous	7.9	42	SNP	Novel	177	---
SMO	chr7	128846356	C	T	Heterozygous	7.3	36	SNP	Novel	179	---
SMO	chr7	128846412	C	T	Heterozygous	8.6	48	SNP	Novel	174	---
SMO	chr7	128846419	C	T	Heterozygous	7.5	37	SNP	Novel	174	---
SMO	chr7	128849179	C	T	Heterozygous	35.2	198	SNP	Novel	71	---
SMO	chr7	128849196	T	C	Heterozygous	5.5	13	SNP	Novel	73	---
SMO	chr7	128849200	C	T	Heterozygous	15.7	59	SNP	Novel	70	---
SMO	chr7	128849209	G	A	Heterozygous	7.1	19	SNP	Novel	70	---
SMO	chr7	128850280	C	T	Heterozygous	7	29	SNP	Novel	143	---
SMO	chr7	128850285	G	A	Heterozygous	18.2	147	SNP	Novel	143	---
SMO	chr7	128850313	T	C	Heterozygous	17.9	146	SNP	Novel	145	---
SMO	chr7	128850320	C	T	Heterozygous	6.8	28	SNP	Novel	146	---
SMO	chr7	128850323	G	A	Heterozygous	13	86	SNP	Novel	146	---
BRAF	chr7	140434437	G	A	Heterozygous	56.5	116	SNP	Novel	23	---
BRAF	chr7	140476878	G	A	Heterozygous	5.5	12	SNP	Novel	55	---
BRAF	chr7	140476909	G	A	Heterozygous	5.5	12	SNP	Novel	55	---
BRAF	chr7	140481379	G	A	Heterozygous	9.7	36	SNP	Novel	93	---
BRAF	chr7	140481389	C	T	Heterozygous	5.4	15	SNP	Novel	93	---
BRAF	chr7	140481429	C	T	Heterozygous	25.3	161	SNP	Novel	91	---
BRAF	chr7	140481448	C	T	Heterozygous	12.2	51	SNP	Novel	90	---
BRAF	chr7	140482831	C	T	Heterozygous	24.1	44	SNP	Novel	29	---
BRAF	chr7	140494226	G	A	Heterozygous	12.3	37	SNP	Novel	57	---
BRAF	chr7	140494244	G	A	Heterozygous	15.3	51	SNP	Novel	59	---
BRAF	chr7	140494253	G	A	Heterozygous	5.1	12	SNP	Novel	59	---
BRAF	chr7	140494266	G	A	Heterozygous	13.6	43	SNP	Novel	59	---

BRAF	chr7	140500253	G	A	Heterozygous	7	68	SNP	Novel	441	---
BRAF	chr7	140500260	G	A	Heterozygous	3.8	15	SNP	Novel	444	---
BRAF	chr7	140500275	C	T	Heterozygous	3.8	15	SNP	Novel	444	---
BRAF	chr7	140500277	G	A	Heterozygous	3.6	12	SNP	Novel	445	---
BRAF	chr7	140501254	C	T	Heterozygous	6.5	32	SNP	Novel	200	---
BRAF	chr7	140501260	C	T	Heterozygous	3.9	11	SNP	Novel	204	---
BRAF	chr7	140501320	C	T	Heterozygous	5.9	27	SNP	Novel	203	---
BRAF	chr7	140507810	C	T	Heterozygous	7.6	37	SNP	Novel	171	---
RET	chr10	43609123	G	A	Heterozygous	22.1	107	SNP	Novel	77	---
RET	chr10	43609875	C	T	Heterozygous	23.1	86	SNP	Novel	52	---
RET	chr10	43609905	C	T	Heterozygous	15.8	52	SNP	Novel	57	---
RET	chr10	43609912	C	T	Heterozygous	45.6	229	SNP	Novel	57	---
RET	chr10	43609916	C	T	Heterozygous	61.4	359	SNP	Novel	57	---
RET	chr10	43613799	C	T	Heterozygous	4.9	22	SNP	Novel	285	---
RET	chr10	43613838	G	A	Heterozygous	7.6	35	SNP	Novel	289	---
RET	chr10	43613859	G	A	Heterozygous	5.9	33	SNP	Novel	287	---
RET	chr10	43613882	C	T	Heterozygous	6	34	SNP	Novel	283	---
FGFR2	chr10	123247582	T	G	Heterozygous	11.5	45	SNP	Novel	87	---
FGFR2	chr10	123279622	G	A	Heterozygous	9.8	43	SNP	Novel	112	---
FGFR2	chr10	123279657	G	A	Heterozygous	14.3	78	SNP	Novel	112	---
FGFR2	chr10	123279668	C	T	Heterozygous	20.4	136	SNP	Novel	113	---
FGFR2	chr10	123279708	G	A	Heterozygous	5.3	15	SNP	Novel	114	---
FGFR2	chr10	123312177	G	A	Heterozygous	86.4	219	SNP	Novel	22	---
FGFR2	chr10	123312235	G	A	Heterozygous	90.5	224	SNP	Novel	21	---
HRAS	chr11	534279	CC	TT	Heterozygous	9.3	38	MNP	Novel	108	---
HRAS	chr11	534298	C	T	Heterozygous	22.7	131	SNP	Novel	88	---
HRAS	chr11	534317	C	T	Heterozygous	8	26	SNP	Novel	88	---
HRAS	chr11	534320	C	T	Heterozygous	7.9	25	SNP	Novel	89	---
HRAS	chr11	534337	C	T	Heterozygous	23.9	141	SNP	Novel	88	---
ERBB3	chr12	56477694	A	T	Heterozygous	93	584	SNP	Novel	43	---
CDK4	chr12	58142945	C	T	Heterozygous	14.2	86	SNP	Novel	127	---
CDK4	chr12	58143302	G	A	Heterozygous	21.7	82	SNP	Novel	60	---
CDK4	chr12	58144890	G	A	Heterozygous	7.3	24	SNP	Novel	96	---
CDK4	chr12	58145428	C	T	Heterozygous	59.1	117	SNP	Novel	22	---
CDK4	chr12	58145948	C	T	Heterozygous	7.8	73	SNP	Novel	374	---
CDK4	chr12	58145970	C	T	Heterozygous	9.2	100	SNP	Novel	359	---
CDK4	chr12	58145997	C	T	Heterozygous	9.8	118	SNP	Novel	379	---
CDK4	chr12	58146004	C	T	Heterozygous	4.5	21	SNP	Novel	377	---

MAP2K1	chr15	66727424	G	A	Heterozygous	39	255	SNP	Novel	77	---
ERBB2	chr17	37872460	C	T	Heterozygous	17.1	34	SNP	Novel	35	---
ERBB2	chr17	37879639	G	A	Heterozygous	3.3	17	SNP	Novel	1411	---
ERBB2	chr17	37879674	G	A	Heterozygous	7.5	223	SNP	Novel	1422	---
ERBB2	chr17	37879687	C	T	Heterozygous	4.9	72	SNP	Novel	1426	---
ERBB2	chr17	37879820	G	A	Heterozygous	6.1	56	SNP	Novel	528	---
ERBB2	chr17	37879859	G	A	Heterozygous	6.1	59	SNP	Novel	539	---
ERBB2	chr17	37879890	G	A	Heterozygous	6.5	67	SNP	Novel	540	---
ERBB2	chr17	37879900	G	A	Heterozygous	4.5	26	SNP	Novel	539	---
ERBB2	chr17	37880321	C	G	Heterozygous	18.9	42	SNP	Novel	37	---
ERBB2	chr17	37880954	C	T	Heterozygous	12.5	87	SNP	Novel	160	---
ERBB2	chr17	37880987	C	T	Heterozygous	23.1	246	SNP	Novel	169	---
ERBB2	chr17	37880995	C	T	Heterozygous	11.2	75	SNP	Novel	169	---
ERBB2	chr17	37881339	G	A	Heterozygous	28.6	142	SNP	Novel	70	---
ERBB2	chr17	37881341	G	A	Heterozygous	41.4	249	SNP	Novel	70	---
ERBB2	chr17	37881395	G	A	Heterozygous	41.1	260	SNP	Novel	73	---
ERBB2	chr17	37881529	G	A	Heterozygous	12.3	62	SNP	Novel	114	---
ERBB2	chr17	37882865	G	A	Heterozygous	11.3	55	SNP	Novel	115	---
ERBB2	chr17	37882889	C	T	Heterozygous	16.5	100	SNP	Novel	115	---
ERBB2	chr17	37882909	C	T	Heterozygous	19.3	126	SNP	Novel	114	---
ERBB2	chr17	37882919	G	A	Heterozygous	11.5	56	SNP	Novel	113	---
ERBB2	chr17	37882932	C	T	Heterozygous	16.2	95	SNP	Novel	111	---
ERBB2	chr17	37882937	C	T	Heterozygous	5.4	16	SNP	Novel	111	---
GNA11	chr19	3118888	C	T	Heterozygous	4.1	13	SNP	Novel	219	---
GNA11	chr19	3118907	G	A	Heterozygous	6.3	32	SNP	Novel	222	---
GNA11	chr19	3118912	G	A	Heterozygous	15.3	163	SNP	Novel	222	---
GNA11	chr19	3118940	C	T	Heterozygous	3.7	11	SNP	Novel	188	---
GNA11	chr19	3118941	C	T	Heterozygous	9.9	57	SNP	Novel	223	---
GNA11	chr19	3118973	C	T	Heterozygous	10.3	79	SNP	Novel	213	---
JAK3	chr19	17949138	C	T	Heterozygous	3.1	11	SNP	Novel	552	---
JAK3	chr19	17949144	C	T	Heterozygous	3.8	16	SNP	Novel	556	---
JAK3	chr19	17949172	C	T	Heterozygous	4.9	33	SNP	Novel	556	---
AR	chrX	66776193	G	A	Heterozygous	6.8	20	SNP	Novel	88	---
AR	chrX	66776204	C	T	Heterozygous	6.8	20	SNP	Novel	88	---
AR	chrX	66776209	G	A	Heterozygous	11.4	44	SNP	Novel	88	---
AR	chrX	66799305	G	A	Heterozygous	19.5	88	SNP	Novel	77	---
AR	chrX	66943520	C	T	Heterozygous	4.9	39	SNP	Novel	692	---
AR	chrX	66943521	C	T	Heterozygous	4.2	25	SNP	Novel	692	---



AR	chrX	66943522	C	T	Heterozygous	3.8	18	SNP	Novel	691	---
AR	chrX	66943532	C	T	Heterozygous	5	43	SNP	Novel	697	---
AR	chrX	66943542	G	A	Heterozygous	3.9	20	SNP	Novel	697	---