

Supplemental Data

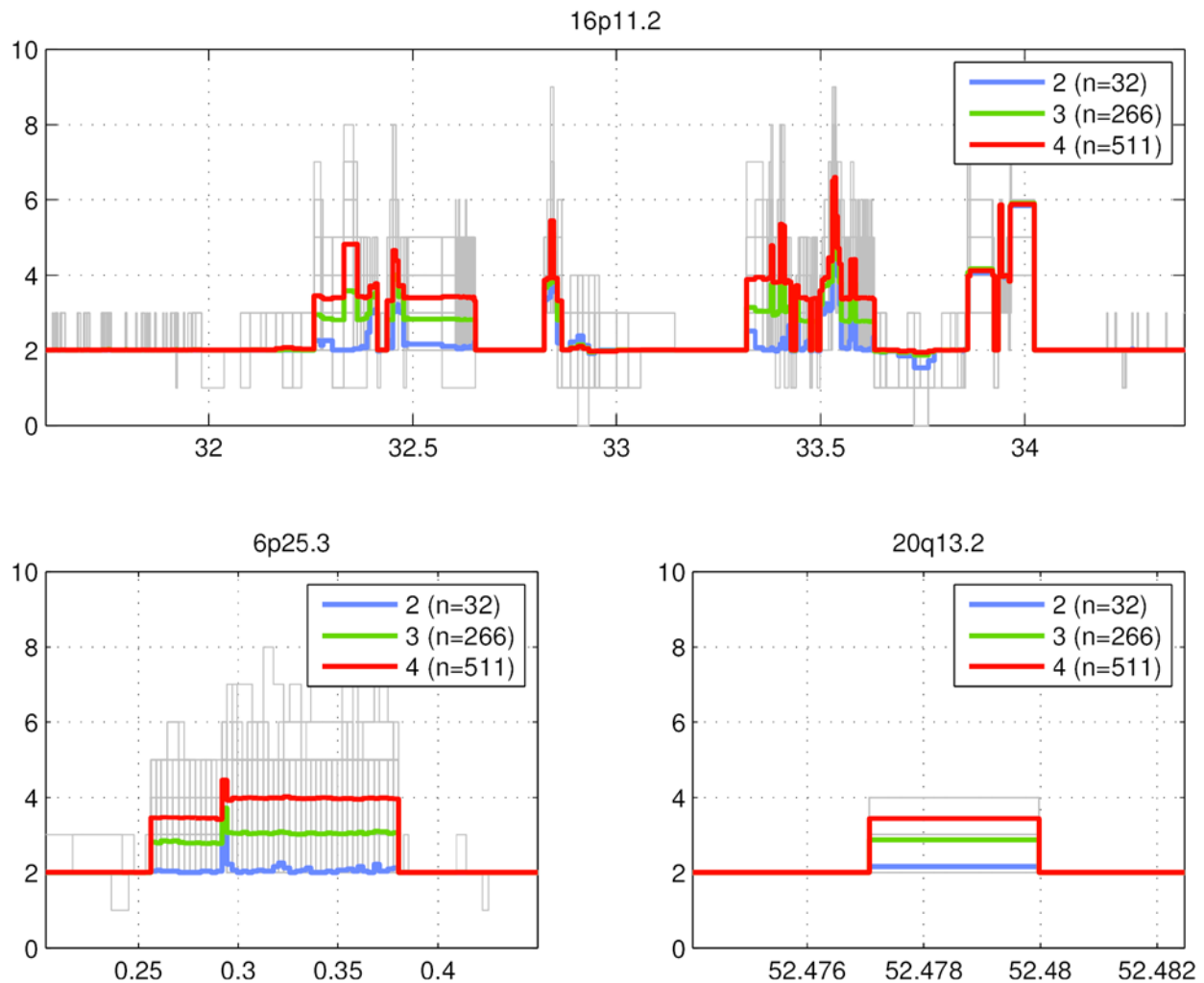
Mapping the Human Reference Genome's Missing Sequence by Three-Way Admixture in Latino Genomes

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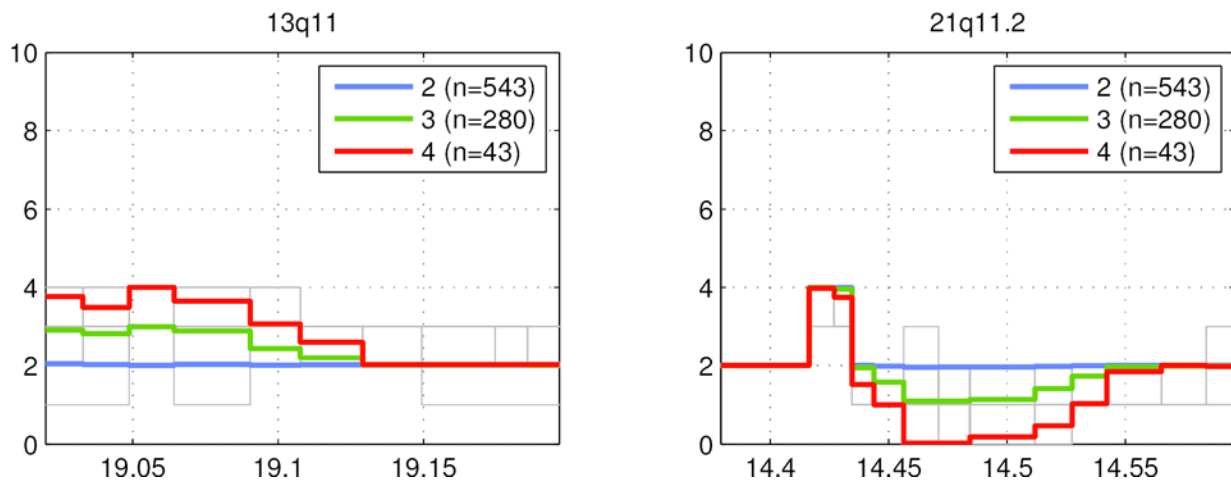
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Figure S1. A rare structural polymorphism at 16p11.2.



Sequence read coverage for 826 samples from the 1000 Genomes Project Phase 1 within regions 16p11.2, 6p25.3, and 20q11.2. For clarity, 42 samples which were not classified as copy number two over the two mostly unaffected windows 16:32,699,009-32,829,564 and 16:33,142,816-33,339,320 were excluded, as these may harbor larger and rarer CNVs. Median coverage for samples genotyped as CN=2,3,4 over 6:295,000-385,000 is displayed. Notably, a strong correlation emerges between coverage over the genotyped region and sequence within window 16:33,293,715 -33,723,390. Coordinates in Mbp on the horizontal axis are with respect to GRCh37.

Figure S2. A structural polymorphism at 21q11.2.



Sequence read coverage for 866 samples from the 1000 Genomes Project Phase 1 within regions 13q11 and 21q11.2. Median coverage for samples estimated as CN=2,3,4 within the 13:19,048,809-19,090,453 window is displayed. This window is contained within a recent ($\sim 0.8\%$ divergence) ~ 150 kbp segmental duplication between 13q11 and 21q11.2 (13:19,020,001-19,167,977 and 21:14,447,204-14,594,419). Notably, samples with excess coverage in the region 13q11 have a shortage of coverage in the corresponding region in 21q11.2, possibly indicating a polymorphism, known to localize on chromosome 21 through admixture mapping, involving sequence exchange between chromosome 13 and chromosome 21. Coordinates in Mbp on the horizontal axis are with respect to GRCh37.

Table S1. Mapped SNPs from hs37d5.

Accession	Position	Reference	Alternate	Mapping	LOD score
AL360154.30	90178	C	T	1q21.1	7.58
AL360154.30	101317	A	C	1q21.1	10.47
AL360154.30	102257	C	T	1q21.2	6.1
AL360154.30	104084	T	C	1q21.2	7.2
AL360154.30	105841	A	G	1q21.1	10.49
AL360154.30	108915	G	A	1q21.1	11.74
AL360154.30	111059	G	C	1q21.2	6.29
AL360154.30	111488	C	T	1q21.2	6.31
AL360154.30	111995	C	T	1q21.1	6.06
AL360154.30	114477	G	T	1q21.2	6.42
AL360154.30	115082	A	T	1q21.1	13.59
AL360154.30	121717	G	A	1q21.1	6.05
AL360154.30	123901	C	A	1q21.1	7.22
AL360154.30	123920	A	T	1q21.1	12.94
AL360154.30	124695	G	A	1q21.2	6.91
AL360154.30	127179	A	C	1q21.3	10.28
AL360154.30	127189	A	G	1q21.1	9.12
AL360154.30	129287	A	G	1q21.1	8.17
AL360154.30	132866	T	C	1q21.1	9.34
AL360154.30	135446	C	T	1q21.2	6.27
AL360154.30	135478	T	C	1q21.2	8.23
AL360154.30	135551	A	G	1q21.2	9.08
AL360154.30	136944	G	A	1q21.1	7.33
AL360154.30	139406	T	C	1q21.3	6.5
AL360154.30	141316	G	A	1p11.2	7.74
AL360154.30	145271	A	G	1q21.2	6.96
AL360154.30	153660	G	A	1q21.2	8.36
AL360154.30	153667	A	T	1q21.2	8.2
AL360154.30	161680	C	T	1q21.2	6.39
AL360154.30	165097	C	T	1q21.2	6.92
AL360154.30	166159	C	T	1q21.2	8.95
AL360154.30	173688	C	A	1q21.2	6.31
AL360154.30	188301	C	T	1q21.2	7.86
AL360154.30	192686	C	T	1q21.2	16.68
AL360154.30	197628	C	T	1q21.2	8.39
AL360154.30	198281	T	C	1q21.3	7.17
AL360154.30	201440	G	A	1q21.1	7.99
AL360154.30	202487	G	A	1q21.2	8.38
AL360154.30	203223	G	A	1q21.2	14.84
AL360154.30	210472	G	T	1q21.1	10.7
AL360154.30	213831	T	C	1p12	7.49
AL360154.30	213904	T	C	1q21.1	10.08
AL360154.30	216233	A	T	1q21.1	13.33
AL360154.30	217228	A	C	1q21.2	12.21
AL360154.30	227103	C	A	1q21.1	9.1
AC109135.2	108586	A	G	1q21.1	13.78
AC109135.2	106788	T	C	1q21.1	6.66
AC109135.2	81870	A	G	1q21.2	7.46

AC109135.2	30946	C	T	1q21.2	7.04
AC109135.2	27870	A	G	1q21.1	7.01
AC109135.2	17565	T	C	1q21.2	6.57
AC109135.2	11257	C	T	1q21.3	9.4
AC109135.2	6700	C	A	1q21.2	6.11
AC018692.9	3182	C	T	21q21.1	6.4
AC018692.9	30855	C	T	21q21.1	6.34
AC018692.9	140295	C	G	21q11.2	8.83
AC145060.2	7994	C	T	8q11.21	10.7
AL837517.14	1673	T	A	20p11.21	7.16
AL837517.14	1691	G	A	20p11.21	7.5
AL837517.14	1717	T	C	20p11.21	7.78
AL837517.14	55549	A	C	20q11.21	7.8
AL837517.14	55808	C	A	20p11.21	6.06
AL837517.14	55960	G	T	20p11.21	7.76
AL837517.14	56424	A	G/T	20q11.22	7.19
AL837517.14	56496	C	G/T	20p11.21	7.75
AL837517.14	56811	A	T	20q11.21	8.25
AL837517.14	57020	C	T	20q11.21	7.21
AL837517.14	57409	G	C/T	20p11.21	8.4
AL837517.14	57423	T	A	20q11.21	6.58
AL837517.14	57731	A	G	20q11.21	6.58
AL837517.14	57780	T	A	20q11.23	8.16
AL837517.14	57833	C	G	20p11.21	7.25
AL837517.14	58119	G	A	20p11.21	7.88
AL837517.14	58982	G	A	20p11.21	6.92
AL837517.14	58987	G	C	20q11.21	7.21
AL837517.14	59224	T	C	20p11.21	11.63
AL837517.14	59315	A	G	20q11.22	9.24
AL837517.14	63085	G	T	20p11.21	8.1
AL837517.14	63252	C	T	20p11.21	7.33
AL837517.14	63541	T	A	20p11.21	6.22
AL837517.14	65807	C	A	20q11.21	11.03
AL837517.14	65976	C	T	20p11.21	6
AL837517.14	66156	T	C	20q11.21	7.16
AL837517.14	66159	C	T	20q11.21	13.6
AL837517.14	66271	C	T	20q11.21	6.19
AL837517.14	67320	G	T	20p11.21	7.07
AL837517.14	67643	A	G	20q11.21	10.04
AL837517.14	68082	G	A	20p11.21	7.57
AL837517.14	68146	G	A	20p11.21	7.28
AL837517.14	68520	G	A	20q11.21	6.4
AL837517.14	69012	G	A	20q11.21	6.47
AL837517.14	69837	A	T	20p11.21	7.32
AL837517.14	69871	G	C	20q11.21	7.38
AL837517.14	69991	C	T	20p11.21	6.21
AL837517.14	70099	C	A	20q11.21	6.43
AL837517.14	70554	T	C	20p11.21	6.44
AL837517.14	71828	A	G	20q11.21	7.01
AL837517.14	71991	C	T	20q11.21	6.77
AL837517.14	72037	T	C	20q11.21	6.38
AL837517.14	72470	C	G	20p11.1	7.11
AL837517.14	72552	C	T	20q11.21	6.25

AL837517.14	72748	G	A	20q11.21	7.75
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AL837517.14	73749	G	A	20p11.21	7.96
AL837517.14	74583	C	T	20q11.21	6.91
AL837517.14	75518	A	C	20p11.21	11.76
AL837517.14	75843	G	T	20p11.21	6.75
AL837517.14	77090	C	T	20q11.21	6.2
AL837517.14	77666	C	G	20p11.21	6.6
AL837517.14	78490	C	G	20p11.1	7.15
AL837517.14	80504	G	T	20q11.21	6.02
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AL837517.14	82662	A	C	20q11.21	10.83
AL837517.14	83664	G	T	20q11.21	7.45
AL837517.14	85151	A	C	20q11.22	6.89
AL837517.14	85580	T	G	20q11.21	9.05
AL837517.14	87846	G	A	20q11.21	7.82
AL837517.14	88261	A	C	20q11.22	7.59
AL837517.14	88514	C	A	20p11.21	7.38
AL837517.14	89598	G	A	20p11.21	7.93
BX088702.10	98506	C	G	9q21.11	6.17
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AC145205.2	8995	C	T	17q25.3	7.02
AC145205.2	48887	T	C	17q25.3	6.12
AC145205.2	48988	G	A	17q25.3	7.69
AC145205.2	51419	A	C/T	17q25.3	7.15
AC145205.2	52254	A	G	17q25.3	7.97
AC145205.2	56431	T	C	17q25.3	6.1
AC145205.2	61571	A	G	17q25.3	9.88
AC145205.2	61666	C	T	17q25.3	10.04
AC145205.2	64882	A	C	17q25.3	6.69
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AC145205.2	75440	G	T	17q25.3	12.02
AC145205.2	75872	C	T	17q25.3	12.01
AC145205.2	75890	C	T	17q25.3	7.58
AC145205.2	76101	T	C	17q25.3	7.87
AC145205.2	76102	C	T	17q25.3	7.08
AC145205.2	76119	A	G	17q25.3	6.13
AC145205.2	76147	G	A	17q25.3	6.74
AC145205.2	76193	T	C	17q25.3	6.29
AC145205.2	77095	G	C	17q25.3	6.6
AC145205.2	79997	C	T	17q25.3	9.35
AC145205.2	80480	T	G	17q25.3	8.6
AC145205.2	80788	G	A	17q25.3	10.99
AC145205.2	80839	T	C	17q25.3	7.79
AC145209.2	12798	C	G	17q25.3	7.05
AC136499.2	422	G	T	5p12	7.53
AC136499.2	1838	C	T	5p12	6.31
AC136499.2	3320	C	A	5p12	7.9
AC136499.2	20826	C	A	5p12	7.93
AC136499.2	21604	T	C	5p12	6.69
AC136499.2	21614	A	C	5p12	6.27
AC136499.2	27389	T	C	5p12	6.47
AC136499.2	27392	G	A	5p12	6.89

AC136499.2	27563	G	A	5p12	7.67
AC136499.2	36565	T	C	5q11.1	7.03
AC136499.2	36795	T	A	5p12	6.49
AC136499.2	53492	C	T	5p12	7.47
AC136499.2	54572	G	A	5q11.1	6.87
AC136499.2	69194	G	A	5p12	6.4
AC136499.2	70457	C	T	5q11.1	7.05
AC136499.2	72813	C	A	5p12	7.22
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AL163540.11	16008	T	C	9q21.12	6.5
AL163540.11	25916	G	C	9q21.12	6.31
AL163540.11	42238	C	T	9q21.11	6.06
AL163540.11	43385	G	A	9q21.11	7.86
AL163540.11	43917	G	A	9q21.12	6.19
AL163540.11	53927	T	G	9q21.11	8.2
AL163540.11	68315	A	T	9q21.12	8.02
AL163540.11	71888	G	C	9q21.12	6.05
AL163540.11	80161	C	T	9q21.12	6.98
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AL163540.11	124349	G	C	9q21.12	7.42
AL163540.11	125732	G	C/T	9q21.12	7.14
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AL163540.11	126326	G	T	9q21.12	8.26
AL163540.11	126819	A	G	9q21.12	7.26
AL163540.11	126951	C	A	9q21.12	7.73
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AL163540.11	140532	C	A	9q21.12	6.62
AL163540.11	146907	A	G	9q21.12	6.77
AL163540.11	148352	G	C	9q21.12	7.93
AL163540.11	153340	A	T	9p13.1	7.24
AL163540.11	154034	G	C	9q21.12	6.54
AL163540.11	158795	C	G	9q21.12	6.92
AL163540.11	159064	T	C	9p13.1	6.58
AL163540.11	160198	C	T	9q21.12	7.48
AL163540.11	160471	A	G	9q21.12	7.24
AL163540.11	160599	G	A	9q21.12	7.59
AL163540.11	161075	G	C	9q21.12	7.81
AL163540.11	164296	A	T	9q21.12	7.32
AL163540.11	166456	C	A	9q21.12	7.61
AL356585.7	9128	G	A	13q12.11	8.13
AL356585.7	17354	A	T	13q12.11	7.32
AL356585.7	27092	A	C	13q12.11	6.62
AL356585.7	27556	A	G	13q12.11	6.03

AL356585.7	29724	G	C/T	13q12.11	7.21
AL356585.7	33922	G	A	13q12.11	7.7
AL356585.7	36207	G	A	13q12.11	8.09
AL356585.7	50863	G	T	13q12.11	7.6
AL356585.7	60245	A	G	13q12.11	6.97
AL356585.7	61666	C	G	13q12.11	11.4
AL356585.7	66696	G	C	13q12.11	6.69
AL356585.7	80010	A	G	13q11	9.16
AL356585.7	80151	A	G	13q12.11	9.16
AL356585.7	80165	C	A	13q12.11	6.67
AL356585.7	94721	G	T	13q12.11	7.34
AL356585.7	124865	C	A	13q12.11	6.52
AL356585.7	157111	G	A	2p11.2	6.61
AL356585.7	185305	A	G	13q12.11	6.04
BX072566.10	140916	G	C	21q11.2	7.18
BX546479.5	29914	T	C	1q21.1	7.92
BX546479.5	38158	A	T	1p11.2	6.86
BX546479.5	143370	C	A	14q11.2	6.44
AL592188.60	87991	G	A	1p36.11	6.14
AL590523.5	12818	C	A	3q11.2	6.49
AL591856.26	54236	A	G	4q31.3	6.22
AL929347.8	75722	G	A	6p25.3	6.13
AL929347.8	97802	C	T	6p25.3	6.28
AL929347.8	100512	T	C	6p25.3	6.18
AL929347.8	103141	G	T	6p25.3	6.02
AL929347.8	103787	A	G	6p25.3	6.47
CT963082.1	621	C	A	14q11.2	6.22
CT963082.1	14068	T	C/G	14q11.2	8.17
CU463998.4	2417	T	C	14q11.2	8.43
CU463998.4	7751	T	C	14q11.2	6.06
CU463998.4	13888	C	T	14q11.2	6.86
CU463998.4	13907	A	G	14q11.2	6.29
CU463998.4	17574	C	G	14q11.2	6.69
CU463998.4	22241	C	G/T	14q11.2	8.02
CU463998.4	26253	A	C	14q11.2	6.69
CU463998.4	26297	C	T	14q11.2	6.08
CU463998.4	30580	C	A	14q11.2	6.87
CU463998.4	37738	G	T	14q11.2	7.16
CU463998.4	41149	T	A	14q11.2	6.52
CU459023.3	894	T	G	22q11.21	6.1
CU459200.1	10441	T	C	22q12.3	7.33
CU459200.1	10594	A	C	22q12.3	9.96
CU459200.1	10636	T	G	22q12.3	11.21
CU459200.1	13499	C	T	22q12.3	6.07
CU459200.1	28040	G	C	22q12.3	9.4
CU459200.1	28098	A	C	22q12.3	7.73
CU459200.1	35526	C	T	22q12.3	10.09
CU459188.2	9892	A	G	22q12.1	6.74
GL582971.1	494063	A	G	7q34	7.06
GL582971.1	505528	G	A	7q34	6.7
GL582971.1	517709	T	C	7q34	7.42
GL582971.1	519008	T	G	7q34	8.4
GL582971.1	702381	T	C	7q34	9.26

GL582971.1	706275	T	G	7q34	9.31
GL582971.1	742969	T	C	7q35	13.56
GL582971.1	747563	A	G	7q34	8.57
GL582971.1	748113	T	C	7q34	7.13
GL582971.1	748132	G	T	7q34	7.63
GL582971.1	748136	G	T	7q34	6.97
GL582971.1	748142	A	C	7q34	6.99
GL582971.1	754274	A	C	7q35	10.74
GL582971.1	754555	G	C	7q35	9.66
GL582971.1	757879	T	A	7q34	8.39
GL582971.1	764032	C	G	7q34	6.59
GL582971.1	764954	G	C	7q35	10.46
GL582971.1	765975	A	C	7q34	8.64
GL582971.1	766542	T	A	7q35	6.55
GL582971.1	766736	G	T	7q35	7.16
GL582971.1	768975	A	G	7q34	7.75
GL582971.1	769715	T	A	7q35	7.45
GL582971.1	770370	A	C	7q34	8.62
GL582971.1	771667	G	A	7q34	16.64
GL582971.1	775532	A	G	7q34	16.9
GL582971.1	776849	C	T	7q34	9.67
GL582971.1	777229	G	A	7q34	8.29
GL582971.1	777562	T	A	7q35	6.86
GL582971.1	777637	A	G	7q34	20.29
GL582971.1	777843	C	T	7q35	8.03
GL582971.1	778455	A	G	7q34	19.42
GL582971.1	778706	C	G	7q34	9.16
GL582971.1	781550	T	C/G	7q34	6.35
GL582971.1	782059	T	G	7q34	17.34
GL582971.1	782261	G	A	7q34	17
GL582971.1	782479	G	C	7q35	7.74
GL582971.1	785035	G	A	7q34	11.23
GL582971.1	786149	T	A	7q34	11.9
GL582971.1	786685	A	G	7q35	7.93
GL582971.1	786783	C	A	7q34	6.86
GL582971.1	788570	T	C	7q34	18.87
GL582971.1	790146	T	C	7q34	19.56
GL582971.1	790166	C	A	7q34	8.41
GL582971.1	790402	C	T	7q34	20.03
GL582971.1	790828	A	T	7q34	6.79
GL582971.1	791160	T	A	7q34	10.53
GL582971.1	791193	G	A	7q34	7.43
GL582971.1	792248	T	G	7q34	14.48
GL582971.1	793535	T	G	7q34	21.24
GL582971.1	794347	A	C	7q34	12.38
GL582971.1	794486	T	C	7q35	8.42
GL582971.1	795488	T	C	7q34	12.83
GL582971.1	795618	C	T	7q34	13.51
GL582971.1	795970	G	C	7q34	8.41
GL582971.1	796213	A	C	7q35	8.28
GL582971.1	796982	G	A	7q34	12.44
GL582971.1	798229	A	G	7q34	17.57
GL582971.1	798249	C	T	7q34	7.76

GL582971.1	799242	G	A	7q34	6.75
GL582971.1	799935	A	G	7q35	16.24
GL582971.1	800854	G	T	7q34	10.58
GL582971.1	801607	A	G	7q34	17.21
GL582971.1	801723	A	G	7q34	17.92
GL582971.1	801984	C	A	7q35	11.71
GL383545.1	37564	G	A	10p12.1	8.81
GL383545.1	75483	C	A	10p12.1	6.32
GL383561.1	401104	G	A	17q11.2	6.23
AC006359.3	118502	T	G	1p12	6.1
AC006453.3	133858	C	T	2q11.1	8.66
AC006453.3	134510	C	T	2q11.1	6.26
AC006453.3	135959	C	T	2q11.2	6.37
AC006453.3	137183	A	T	2p11.2	6.11
AC006453.3	137364	G	A	2q11.1	6.42
AC006453.3	137438	A	T	2q11.1	7.27
AC006453.3	138550	C	A	2q11.1	7.76
AC006453.3	140827	T	C	2q11.1	8.06
AC006453.3	141838	C	G	2p11.2	6.69
AC006453.3	141937	G	T	2p11.2	6.04
AC006453.3	144206	A	G	2q11.2	8.89
AC006453.3	144527	T	C	2q11.2	8.34
AC006453.3	145057	C	A	2q11.2	8.39
AC006453.3	145162	G	A	2q11.2	7.43
AC006453.3	145957	T	C	2q11.1	6.23
AC006453.3	148544	C	T	2q11.2	9.38
AC006453.3	148860	G	A	2q11.1	14.03
AC006453.3	149240	G	A	2q11.1	6.24
AC006453.3	151083	T	C	2q11.2	6.1
AC006453.3	154211	C	T	2q11.1	14.27
AC010098.8	8527	T	C	1q21.1	7.12
AC010098.8	15054	A	C	1q21.1	7.73
AC010098.8	16509	C	G	1q21.1	6.1
AC010098.8	18028	G	A	1q21.1	7.29
AC011850.12	76790	C	T	20q11.21	8.89
AC011850.12	76849	G	T	20q11.21	7.24
AC011850.12	101702	C	T	20q11.22	7.36
AC011850.12	148043	C	T	20q11.21	8.12
AC011850.12	148578	G	T	20q11.21	6.36
AC011850.12	148716	G	C	20p11.21	8.03
AC018688.9	6512	G	A	20p11.21	6.61
AC018688.9	12211	C	T	20p11.21	6.65
AC018688.9	29103	C	T	20p11.21	6.53
AC018688.9	76726	T	G	20p11.21	6.48
AC018688.9	93504	G	C	20p11.21	6.79
AC018688.9	109717	A	G	20q11.22	9.58
AC018688.9	112431	G	C	20q11.22	7.15
AC018688.9	113996	T	C	20q11.22	8.55
AC018688.9	117512	G	A	20q11.22	6.05
AC018688.9	133847	C	G	20q11.21	9.33
AC018688.9	134100	T	C	20q11.22	9.72
AC018688.9	135136	T	C	20q11.22	6.69
AC018688.9	135329	C	A	20q11.21	9.37

AC018688.9	135764	G	T	20q11.21	6.26
AC018688.9	165518	T	G	20q11.21	6.32
AC026131.4	160042	G	A	10q11.21	6.79
AC026131.4	161338	A	C	10q11.21	10.4
AC026131.4	165537	C	A	10p11.21	6.81
AC026131.4	165538	C	G	10p11.21	6.57
AC026131.4	165576	A	C	10p11.21	10.62
AC026131.4	165639	G	T	10q11.23	6.23
AC026131.4	165779	G	A	10q11.21	8.57
AC026273.7	3704	C	A	2p11.2	13.24
AC026273.7	9816	C	T	2p11.2	8.15
AC026273.7	10401	C	T	2p11.2	11.04
AC026273.7	26849	A	G	2q11.2	9.18
AC026273.7	35370	G	A	2q11.2	8.66
AC026273.7	47492	C	T	2p11.2	12.64
AC026273.7	55949	G	A	2q11.2	6.23
AC026273.7	61002	G	T	2p11.2	8.97
AC026273.7	79708	G	A	2p11.2	11.67
AC026273.7	108240	T	A	2p11.2	8.29
AC026273.7	112876	G	C	2q11.2	7.76
AC040978.8	25177	T	C	8q24.3	6.71
AC040978.8	25440	T	C	8q24.3	11.2
AC040978.8	25606	A	G	8q24.3	11.39
AC040978.8	26028	A	G	8q24.3	8.05
AC040978.8	26230	C	T	8q24.3	11.38
AC040978.8	26231	A	G	8q24.3	11.92
AC040978.8	26251	G	A	8q24.3	6.97
AC040978.8	26877	C	T	8q24.3	9.53
AC040978.8	27156	A	G	8q24.3	11.28
AC040978.8	27308	T	G	8q24.3	8.38
AC069213.22	24072	G	T	3q29	7.86
AC069213.22	24194	C	G	3q29	7.72
AC069213.22	30834	G	A	3q29	7.35
AC069213.22	30928	C	G/T	3q29	9.11
AC069213.22	30929	G	C	3q29	7.66
AC069213.22	30935	G	A	3q29	8.47
AC069213.22	30942	C	A	3q29	8.77
AC069213.22	34872	C	T	3q29	6.48
AC069213.22	35431	G	C	3q29	7.07
AC069213.22	35492	C	G	3q29	6.54
AC069213.22	35495	A	T	3q29	7.11
AC069213.22	35619	T	G	3q29	6.6
AC069213.22	35697	A	G	3q29	6.79
AC069213.22	35857	C	G	3q29	8.11
AC069213.22	35926	T	G	3q29	7.34
AC069213.22	36081	T	C/G	3q29	8.36
AC069213.22	36420	A	C/G	3q29	6.1
AC069213.22	36625	A	C	3q29	6.25
AC069213.22	37112	T	G	3q29	8.03
AC069213.22	40384	T	A	3q29	12.94
AC069213.22	40424	C	T	3q29	10.68
AC069213.22	40527	A	T	3q29	6.74
AC069213.22	41371	T	C	3q29	9.35

AC069213.22	45826	T	G	3q29	9.06
AC079801.2	3025	A	T	21q11.2	6.24
AC079801.2	13844	A	G	21q11.2	6.34
AC079801.2	25943	G	A	21q11.2	8.14
AC079801.2	27828	A	G	21q11.2	6.4
AC079801.2	30735	C	A	21q11.2	6.74
AC079801.2	92605	A	C	21p11.1	6.96
AC079801.2	93183	G	C/T	21q11.2	6.81
AC079801.2	125431	A	G	21q11.2	6.39
AC079801.2	158358	A	T	21q11.2	6.8
AC079934.3	27860	G	A	1q21.1	7.07
AC079934.3	45099	G	T	1q21.1	6.73
AC092107.5	44555	T	C	20q11.22	6
AC092107.5	66740	A	C	20q11.21	6.72
AC092107.5	84724	C	T	20q11.21	6.29
AC092107.5	90471	T	G	20q11.21	6.75
AC093749.3	115719	C	T	22q11.1	6.38
AC099395.2	30360	C	T	7q34	6.11
AC104301.2	16342	C	T	20q11.21	8.92
AC104301.2	34970	T	C	20q11.21	7.53
AC104301.2	40758	G	A	20q11.21	9.28
AC104301.2	48554	A	G	20q11.23	6.7
AC104301.2	77955	T	C	20p11.21	7.33
AC104301.2	103871	C	A	20q11.21	6.68
AC104301.2	121943	C	T	20q11.21	6.6
AC104301.2	125942	C	T	20p11.21	9.3
AC104301.2	126765	T	C	20q11.21	9.58
AC104301.2	127056	C	T	20q11.21	8.41
AC104301.2	129126	C	T	20q11.21	6.57
AC104301.2	129842	T	G	20q11.21	9.3
AC104301.2	131354	G	T	20q11.21	9.45
AC104301.2	131979	A	G	20q11.21	8
AC104301.2	131985	T	C	20p11.21	6.82
AC104301.2	133690	G	A	20q11.21	9.34
AC104301.2	134240	G	C	20q11.21	8.03
AC104301.2	134337	A	T	20p11.21	8.44
AC104301.2	135927	G	A	20p11.21	6.96
AC104301.2	137169	C	T	20q11.21	8.31
AC104301.2	137342	A	G	20q11.22	12.4
AC104301.2	137781	A	T	20q11.21	9.76
AC104301.2	138375	G	A	20p11.21	8.93
AC104301.2	138377	G	T	20p11.21	8.92
AC104301.2	138569	A	C	20q11.21	9.4
AC104301.2	139466	G	T	20q11.21	9.06
AC104301.2	139515	G	T	20q11.21	9.56
AC104301.2	139846	C	T	20p11.21	8.04
AC104301.2	142529	C	T	20q11.21	11.34
AC104301.2	142553	C	A	20q11.21	6.35
AC104301.2	142750	G	C	20q11.21	6.51
AC104301.2	143003	A	G	20q11.21	9.79
AC104301.2	143092	G	A	20q11.21	8.54
AC104301.2	143690	A	G	20q11.22	8.41
AC104301.2	143875	G	A	20q11.21	6.47

AC104301.2	144823	G	T	20q11.21	8.82
AC104301.2	145676	T	A	20q11.22	12.27
AC104301.2	146095	T	C	20q11.21	8.68
AC104301.2	146232	C	A/T	20q11.22	6.82
AC104301.2	146235	T	A	20q11.22	7.5
AC104301.2	147307	T	C	20p11.21	6.03
AC104301.2	147659	C	G	20q11.21	10.13
AC104301.2	148647	T	G	20q11.21	8.69
AC104301.2	149489	A	G	20q11.21	9.63
AC104301.2	149658	G	A	20q11.21	10.47
AC104301.2	149837	A	G	20q11.21	10.25
AC104301.2	150107	A	G	20q11.21	8.39
AC104301.2	150862	A	G	20q11.21	9.59
AC104301.2	151253	G	A	20q11.21	8.32
AC104301.2	151734	T	A	20q11.21	10.4
AC104301.2	152234	T	C	20q11.21	9.55
AC104301.2	153456	C	T	20q11.21	9.45
AC104301.2	154337	A	G	20q11.21	9.2
AC104301.2	154579	A	G	20q11.21	10.49
AC104301.2	154835	T	G	20q11.21	9.79
AC104301.2	154934	G	C	20q11.21	8.73
AC104301.2	154981	C	G	20q11.21	9.55
AC104301.2	155261	C	A/T	20q11.21	6.62
AC104301.2	155333	C	A	20q11.21	10.09
AC104301.2	155408	G	A	20p11.21	9.15
AC104301.2	156091	T	G	20q11.21	11.86
AC104301.2	156315	T	A	20q11.21	8.5
AC104301.2	157268	C	T	20q11.21	8.86
AC104301.2	157728	C	T	20q11.21	7.78
AC104301.2	158068	C	A	20q11.21	9.15
AC104301.2	158866	C	T	20q11.21	9.55
AC104301.2	159689	A	G	20q11.21	9.56
AC104301.2	160036	C	T	20q11.22	11.01
AC104301.2	160212	T	A	20q11.21	7.01
AC104301.2	162764	C	G	20q11.21	9.57
AC104301.2	164826	A	G	20q11.21	8.91
AC104301.2	165000	G	C	20q11.22	11.9
AC104301.2	165293	A	C/G	20q11.21	6.69
AC104301.2	165294	A	G	20q11.21	9.7
AC104301.2	165366	T	C	20q11.21	11.59
AC104301.2	165466	T	C	20q11.21	11.79
AC104301.2	166560	T	A	20q11.21	8.89
AC104301.2	167137	C	T	20q11.21	6.51
AC104301.2	167278	T	G	20q11.21	11.63
AC104301.2	170063	G	A	20p11.1	8.88
AC104301.2	170115	A	T	20p11.21	9.24
AC104301.2	170927	G	A	20p11.21	7.77
AC110072.3	10486	G	A/C	7p11.2	7.17
AC114745.6	140262	A	C	2q31.1	6.08
AC114936.2	14524	G	C	5q35.3	7.87
AC116618.4	44988	C	T	22q11.1	6.13
AC116618.4	95764	A	G	22q11.21	6.48
AC127380.4	93425	T	C	9q21.11	6.61

AC127701.2	66664	T	C	7p12.3	6.88
AC127701.2	72065	A	C	7p12.1	6.68
AC127701.2	73550	G	A	7q11.22	6.18
AC129531.8	138784	A	G	17q24.1	11.7
AC129531.8	138860	A	G	17q24.1	16.39
AC129531.8	139217	A	G	17q24.1	16.6
AC129531.8	139512	T	C	17q23.3-17q24.1	17.72
AC129531.8	140352	T	C	17q24.1	18.6
AC129531.8	141233	T	C	17q24.1	7.78
AC129531.8	141396	A	C	17q24.1	19.87
AC129531.8	142714	T	C	17q24.1	16.1
AC129531.8	143306	G	A	17q24.1	6.96
AC129531.8	143408	G	T	17q24.1	18.58
AC129531.8	143722	C	G	17q24.1	11.89
AC129531.8	144537	G	C	17q24.1	6.85
AC129531.8	148500	C	A	17q23.2	6.86
AC129531.8	149101	T	C	17q24.1	16.62
AC129531.8	150654	C	T	17q24.1	9.11
AC129531.8	151028	G	A	17q24.1	22.36
AC129531.8	152890	C	T	17q24.1	12.92
AC129531.8	153723	G	A	17q24.1	17.28
AC129531.8	154334	G	T	17q23.2	6.79
AC129531.8	154920	G	A	17q23.3	19.99
AC129531.8	155164	G	A	17q24.1	7.09
AC129531.8	156412	C	T	17q24.1	7.58
AC129531.8	157961	T	A	17q24.1	19.32
AC129531.8	158660	G	T	17q24.1	21.89
AC129531.8	159061	G	A	17q24.1	20.39
AC129531.8	159460	C	T	17q24.1	20.36
AC129664.7	156381	A	G	21q11.2	6.17
AC129779.2	21003	T	C	16q12.1	6.38
AC129782.3	3024	C	T	1q21.1	6.4
AC129782.3	47221	C	G	1q21.1	8.46
AC133920.2	67896	C	T	16p11.2	7.8
AC137488.2	131217	C	A	22q11.21	6.05
AC138774.4	49079	C	T	14q11.2	7.6
AC138774.4	176174	A	G	14q11.2	6.02
AC144895.2	54827	G	A/T	2q11.2	6
AC144895.2	54865	G	C	2q11.2	6.45
AC144895.2	74522	C	A	2q11.2	6.36
AC144895.2	95627	G	A/T	2p11.2	6.58
AC144895.2	96212	T	A	2p11.2	6.82
AC144895.2	131284	T	C	2p11.2	6.91
AC144896.3	24129	G	T	2p11.2	10.98
AC144896.3	25725	T	A	2p11.2	6.47
AC144896.3	48812	C	T	2q11.1	6.96
AC144896.3	65090	A	T	2p12	6.37
AC144896.3	75851	C	G	2p11.2	6.55
AC144896.3	79402	A	G	2p11.2	7.82
AC153808.1	17972	G	A	10q26.2	6.56
AC158326.1	14400	C	T	12q14.1	6.24
AC158326.1	14778	A	T	12q14.1	6.64
AC158326.1	15708	G	A	12q13.3	7.71

AC187650.1	7439	T	C	17q25.3	7.53
AC187650.1	8253	A	C	17q25.3	7.53
AC187650.1	8519	A	C	17q25.3	7.05
AC187650.1	10338	C	A	17q25.3	9.99
AC187650.1	11806	C	G	17q25.3	7.09
AC187650.1	12674	C	T	17q25.3	8.11
AC187650.1	14798	C	T	17q25.3	7.66
AC187650.1	15230	T	A	17q25.3	7.17
AC187650.1	15656	G	C	17q25.3	6.23
AC187650.1	16537	G	A	17q25.3	15.9
AC187650.1	16908	T	A	17q25.3	6.75
AC187650.1	17418	C	T	17q25.3	6.98
AC187650.1	17750	A	G	17q25.3	11.2
AC187650.1	18774	G	A	17q25.3	7.5
AC187650.1	18793	G	A	17q25.3	8.58
AC187650.1	19913	C	T	17q25.3	7.16
AC187650.1	19962	T	C	17q25.3	10.69
AC187650.1	21585	A	G	17q25.3	7.93
AC187650.1	21608	C	T	17q25.3	7.03
AC187650.1	21694	A	G	17q25.3	9.69
AC187817.1	17468	A	G	17p11.2	7.53
AC187817.1	21556	A	G	17q11.2	6.66
AC195745.1	15460	G	T	12q24.32	6.93
AC195745.1	21012	A	G	12q24.32	6.66
AC195745.1	24840	C	T	12q24.32	8.32
AC195745.1	25519	G	A	12q24.32	6.07
AC195745.1	27709	A	G	12q24.32	8.09
AC196515.1	7451	A	G	8q24.21	7.03
AC196515.1	7659	G	A	8q24.21	7.31
AC203638.2	31676	C	T	16q23.1	8.29
AC203638.2	33138	A	G	16q23.1	6.43
AC203638.2	33901	C	A	16q23.1	6.6
AC203638.2	34168	A	G	16q23.1	6.16
AC203638.2	35695	G	A	16q23.1	7.38
AC203659.3	19115	G	T	15q11.2	6.09
AC203659.3	19678	C	T	15q11.2	6.73
AC206474.2	35042	C	T	21q21.3	7.71
AC206587.3	20213	C	A	19p13.3	8.31
AC206743.2	29971	T	C	21q11.2	6.23
AC206743.2	30363	T	C	21q11.2	6.03
AC206743.2	35306	G	T	21q11.2	7.49
AC207442.4	16443	A	G	1q44	7.2
AC207442.4	16997	G	T	1q44	6.92
AC207442.4	17889	C	T	1q44	7.04
AC207442.4	18811	T	C	1q44	8.04
AC207597.3	9834	A	C	13q21.33	7.29
AC207713.3	28364	A	C	14q21.3	10.7
AC207999.3	17383	T	G	2p25.2	6.38
AC207999.3	19855	A	G	2p25.2	6.6
AC208064.3	28586	A	C	4q31.3	9.14
AC208152.3	32962	C	T	3q26.31	6.25
AC208152.3	34096	C	A	3q26.1	6.04
AC208152.3	39665	C	G	3q26.1	6.44

AC208152.3	40526	T	C	3q26.1	7.23
AC208170.4	28293	C	T	2q31.1	6.54
AC208170.4	30455	C	T	2q31.1	7.49
AC208170.4	30533	C	A	2q31.1	7.31
AC208171.3	11853	A	G	5q23.1	6.38
AC208171.3	14138	A	G	5q23.1	7.73
AC208171.3	18715	T	C	5q23.1	12.82
AC208500.2	30912	G	A	12q14.1	6.39
AC208585.5	12756	A	G	21q21.1	8.62
AC208585.5	13332	G	A	21q21.1	13
AC208587.4	12235	C	T	11p15.5	6.07
AC208871.3	30145	C	T	2q37.3	6.56
AC208871.3	30660	A	G	2q37.3	6.91
AC208871.3	30766	G	A	2q37.3	7.08
AC208871.3	30950	C	A	2q37.3	6.91
AC208871.3	31347	A	C	2q37.3	9.33
AC208871.3	31354	C	T	2q37.3	9.2
AC208871.3	31361	A	G	2q37.3	8.5
AC208871.3	31367	A	G	2q37.3	7.06
AC208871.3	31512	A	G	2q37.3	7.3
AC208871.3	31518	T	G	2q37.3	8.54
AC208871.3	31523	T	G	2q37.3	7.77
AC208871.3	31757	T	C	2q37.3	6
AC208871.3	31953	A	G	2q37.3	7.25
AC208871.3	32071	C	T	2q37.3	7.36
AC208871.3	32261	G	A	2q37.3	7.4
AC208871.3	32593	A	G	2q37.3	6.14
AC208871.3	32629	A	G	2q37.3	7.9
AC208871.3	32679	G	C	2q37.3	8.79
AC208871.3	32777	A	G	2q37.3	6.77
AC208871.3	32875	G	A	2q37.3	8.78
AC208871.3	33383	C	T	2q37.3	6.02
AC208871.3	33426	T	G	2q37.3	7.97
AC208871.3	33580	A	G	2q37.3	6.68
AC208871.3	33745	A	G	2q37.3	6.3
AC208871.3	33814	A	C/G	2q37.3	6.94
AC209007.3	27865	T	C	1p35.2	7.06
AC209007.3	28863	G	A	1p34.3	6.17
AC209007.3	29040	A	G	1p35.2	7.46
AC209007.3	29571	G	A	1p35.2	7.38
AC209007.3	29649	C	T	1p35.2	6.49
AC209007.3	29696	T	C	1p35.2	7.86
AC209232.3	29687	G	A	1p36.12	8.56
AC209232.3	30234	T	C	1p36.12	13.37
AC209232.3	30565	C	T	1p36.12	15.79
AC209232.3	30773	T	G	1p36.12	8.01
AC209232.3	30908	G	A	1p36.12	12.87
AC209232.3	32895	A	G	1p36.12	9.03
AC209232.3	33957	C	A	1p36.11	7.95
AC209232.3	34061	A	G	1p36.12	16.43
AC209232.3	35130	G	A	1p36.12	8.41
AC209232.3	35149	T	A	1p36.12	13.19
AC209232.3	35382	C	T	1p36.12	17.97

AC209232.3	35962	A	G	1p36.12	7.38
AC209232.3	36094	A	T	1p36.12	13.06
AC209232.3	36842	C	T	1p36.12	8.21
AC209232.3	37030	C	T	1p36.12	6.15
AC209234.3	6936	T	A	6q14.1	7.08
AC209234.3	9815	T	A	6q14.1	6.13
AC209234.3	17644	C	A	6q14.1	6.59
AC209236.4	26134	C	G	20q13.13	6.09
AC209236.4	31667	T	G	20q13.13	9.38
AC209310.3	9666	A	G	19p13.3	7.73
AC209310.3	10920	G	A	19p13.3	7.77
AC209310.3	12319	G	C	19p13.3	6.4
AC209618.3	22103	C	G	22q12.3	7.58
AC209618.3	22620	G	A	22q12.3	8.46
AC210865.4	21756	G	A	17q25.1	7.42
AC212296.2	27529	G	T	1p31.1	6.4
AC212752.2	23839	G	A	1q31.3	7.38
AC212759.2	15609	T	C	13q31.1	7.5
AC212759.2	15964	G	T	13q31.1	8.55
AC212759.2	18145	T	A	13q31.1	6.29
AC212759.2	18376	C	T	13q31.1	6.4
AC213027.4	27007	C	T	17q21.31	11.23
AC213033.3	11411	G	C	3p13	6.23
AC213033.3	15864	A	G	3p12.3	6.04
AC213033.3	16336	C	T	3p13	10.99
AC213191.1	18593	G	C	15q24.3	10.05
AC213191.1	19343	C	T	15q24.2	18.72
AC213191.1	19747	C	T	15q24.2	13.31
AC213223.1	13741	A	G	11q12.1	6.76
AC213223.1	15084	C	A	11q12.1	8.25
AC213223.1	17027	A	G	11q12.1	9.46
AC213223.1	21015	T	A	11q12.1	6.41
AC213223.1	21055	G	A	11q12.1	7.23
AC213223.1	21124	T	G	11q12.1	6.1
AC213223.1	21215	T	C	11q12.1	6.34
AC213223.1	22208	A	T	11q12.1	9.46
AC213223.1	22376	C	T	11q12.1	8.21
AC215700.3	29792	C	G	14q32.12	8.57
AC215700.3	30131	C	T	14q32.12	6.84
AC215700.3	30398	A	G	14q32.12	14.91
AC215710.4	16154	C	A	9q33.3	9.26
AC215710.4	16723	G	A	9q33.3	6.13
AC215710.4	18241	A	G	9q33.3	6.75
AC215710.4	19436	C	T	9q33.3	10.22
AC216142.3	27250	C	T	2q24.2	6.34
AC216142.3	28583	T	C	2q24.2	6.52
AC216142.3	28852	A	G	2q24.2	6.13
AC216142.3	29636	T	C	2q24.2	6.99
AC216971.3	28382	G	C	18q22.3	6.28
AC216971.3	29389	T	C	18q22.3	6.3
AC217018.3	7479	G	A	7q22.1	7.03
AC217018.3	7684	G	A	7q22.1	10.06
AC217018.3	7824	A	G	7q22.1	7.14

AC217018.3	10066	G	T	7q22.1	7.48
AC217018.3	12328	G	C	7q22.1	7.42
AC217018.3	12633	A	C	7q22.1	7.92
AC217018.3	13835	C	T	7q22.1	7.64
AC217018.3	14056	G	A	7q22.1	6.93
AC217018.3	15553	C	T	7q22.1	6.74
AC217018.3	16266	G	A	7q22.1	6.63
AC217018.3	16400	C	T	7q22.1	7.9
AC217018.3	16884	A	C	7q22.1	7.34
AC217018.3	18025	T	C	7q22.1	6.66
AC217018.3	19541	G	A	7q22.1	8.33
AC223430.3	18038	G	T	8p23.1	6.32
AC223430.3	19396	T	C	8p23.1	6.36
AC223430.3	20690	G	A	8p23.1	6.71
AC223430.3	22778	T	C	8p23.1	6.04
AC223430.3	23331	C	G	8p23.1	7.28
AC223430.3	23553	A	C	8p23.1	6.37
AC223431.3	18043	T	A	12p13.1	6.45
AC223431.3	18097	A	G	12p13.1	7.51
AC223431.3	18775	G	A	12p13.2	6.91
AC223431.3	18794	C	G	12p13.1	9.14
AC223431.3	20430	C	T	12p13.1	8.78
AC223431.3	20598	G	T	12p13.1	7.76
AC223431.3	20738	T	C	12p13.2	6.82
AC225099.4	29675	T	C	1q43	14.71
AC225168.3	6813	G	A	6q27	6.96
AC225595.1	16474	C	T	11q13.4	7.37
AC225768.2	9329	C	T	2q33.3	8.39
AC225768.2	9337	G	C	2q33.3	8.96
AC225768.2	11637	T	C	2q33.3	9.51
AC225889.3	503	T	A	20q11.21	6.37
AC225889.3	1114	G	T	20q11.21	8.27
AC225889.3	1130	G	C	20q11.22	8.15
AC225889.3	1223	T	C	20q11.21	7.21
AC225889.3	2313	G	A	20p11.21	9.97
AC225889.3	2591	A	T	20q11.21	6.22
AC225889.3	2737	G	A	20p11.21	6.7
AC225889.3	2837	G	A	20p11.21	8.8
AC225889.3	5545	A	C	20q11.23	6.83
AC225889.3	6632	T	G	20q11.21	6.17
AC225889.3	6889	G	C	20p11.21	6.18
AC225889.3	7283	G	A	20q11.21	7.32
AC226622.3	9437	G	A	14q21.3	6.32
AC226627.3	30980	A	C	16q22.2	9.98
AC226627.3	31359	C	G	16q22.2	8.35
AC226627.3	31786	G	T	16q22.2	12.62
AC226627.3	32198	T	C	16q22.2	13.42
AC226627.3	32938	C	T	16q22.2	14.95
AC226627.3	34499	G	A	16q22.2	15.01
AC226627.3	35212	A	G	16q22.2	14.74
AC226758.3	14678	A	G	4q22.1	6.13
AC231386.2	19998	T	C	17q21.31	7.91
AC231386.2	22511	C	T	17q21.2	7.24

AC231386.2	22615	C	A	17q21.2	8.06
AC231386.2	23712	T	C	17q21.2	9.47
AC231386.2	23720	T	G	17q21.2	6.53
AC231386.2	24457	A	G	17q21.31	7.19
AC231980.2	25656	C	T	2q14.1	8.16
AC231987.2	846	C	A	19q13.11	6.16
AC231988.2	4600	C	T	18q22.1	7.14
AC231988.2	10578	A	G	18q22.1	7.36
AC231988.2	11133	G	A	18q22.1	6.95
AC233266.3	100017	C	G	2p11.2	6.24
AC233266.3	100343	A	C	2p11.1-2q11.1	8.67
AC233266.3	186949	T	G	2p11.2	7.88
AC233266.3	188305	C	T	2q11.2	6.74
AC233266.3	188857	G	A	2p11.2	12.87
AC233266.3	189740	A	G	2p11.2	11.66
AC233266.3	194107	T	C	2p11.2	7.6
AC233266.3	194601	G	A	2q11.2	9.82
AC233266.3	195062	C	T	2p11.2	17.63
AC233266.3	195154	C	T	2p11.2	11.28
AC233266.3	195912	C	T	2p11.2	12.1
AC233274.2	35179	T	A	17p13.3	6.02
AC233698.3	107967	C	G	17q12	6.64
AC233698.3	108518	T	A	17q12	8.28
AC233698.3	110056	C	T	17q12	7.04
AC233698.3	110280	T	C	17q12	6.41
AC233698.3	110549	T	C	17q12	8.06
AC233702.5	178382	G	A	17p11.2	6.54
AC233702.5	179708	A	G	17p11.2	7.64
AC233702.5	183512	T	C	17p11.2	7.88
AC233702.5	194739	T	A	17q11.2	6.01
AC233702.5	195493	G	A	17p12	6.3
AC233702.5	197985	G	A	17q11.2	7.52
AC233702.5	199826	T	G	17q11.2	7.57
AC233702.5	200699	T	C	17q11.2	6.2
AC233714.2	25786	C	G	6q27	7.24
AC233754.2	19755	T	C	6p12.3	7.87
AC233754.2	30128	A	C	6p12.3	7.56
AC234063.4	61569	G	A	17q23.3-17q24.1	7.89
AC234063.4	81724	G	C	17q24.1	7.6
AC234063.4	83069	A	G	17q24.1	6.24
AC234063.4	84668	A	G	17q23.3	7.36
AC234063.4	85726	G	T	17q24.1	7.35
AC234063.4	86738	A	G	17q24.1	8.03
AC234063.4	88333	C	T	17q23.3	9.13
AC234063.4	91662	G	A	17q23.3	6.63
AC234063.4	94624	G	A	17q24.1	11.94
AC234063.4	95194	T	C	17q24.1	10.11
AC234063.4	97715	A	G	17q24.1	14.14
AC234063.4	97850	G	A	17q24.1	7.61
AC234063.4	99102	C	T	17q23.2	14.61
AC234063.4	100469	A	G	17q23.3-17q24.1	6.62
AC234063.4	103115	G	A	17q24.1	13.45
AC234063.4	107936	C	T	17q23.3-17q24.1	6.82

AC234063.4	112297	C	T	17q24.1	7.19
AC234063.4	112589	A	G	17q24.1	10.06
AC234063.4	114732	A	C	17q23.2	14.1
AC234063.4	115416	C	A	17q24.1	14.48
AC234063.4	115638	A	T	17q24.1	15.56
AC234063.4	116277	T	C	17q24.1	15.24
AC234063.4	117157	T	C	17q24.1	6.18
AC234063.4	119475	A	T	17q23.2	8.11
AC234063.4	119728	G	A	17q23.2	6.33
AC234063.4	119954	G	A	17q23.2	6.24
AC234063.4	120068	C	T	17q23.2	6.47
AC234063.4	120659	T	C	17q23.2	8.14
AC234063.4	120739	G	A	17q23.2	7.09
AC234063.4	121256	G	A	17q23.2	7.13
AC234063.4	123728	C	T	17q23.2	6.26
AC234063.4	125413	A	G	17q24.1	16.95
AC234063.4	125502	G	C	17q24.1	20.83
AC234063.4	126319	C	A	17q24.1	17.28
AC234063.4	126326	G	A	17q24.1	16.71
AC234063.4	128446	A	G	17q24.1	7.89
AC234063.4	130287	A	G	17q24.1	6.75
AC234063.4	130764	A	T	17q24.1	11.17
AC234063.4	132508	C	G	17q24.1	6.66
AC234063.4	133383	T	A	17q24.1	12.49
AC234063.4	134793	C	T	17q24.1	6.25
AC234228.3	30236	T	C	3q29	7.68
AC234228.3	34575	A	G	3q29	6.63
AC234228.3	35109	G	A	3q29	6.38
AC234228.3	35439	C	T	3q29	7.51
AC234301.2	29650	T	C	14q32.33	8.16
AC234301.2	33090	G	A	14q32.33	6.31
AC234421.2	23659	A	T	11q13.4	17.94
AC234421.2	24476	T	C	11q13.4	9.64
AC234421.2	26024	T	G	11q13.4	10.49
AC234421.2	27374	G	A	11q13.4	10.83
AC234421.2	27939	T	C	11q13.4	6.56
AC234421.2	32759	A	C	11q13.4	6.17
AC234421.2	33657	A	C	11q13.4	6.07
AC234421.2	38359	T	G	11q13.4	6.14
AC234421.2	38813	A	G	11q13.4	6.72
AC235759.2	23663	T	G	12q21.1	7.14
AC235952.3	9635	G	C	3p14.1	6.17
AC235952.3	16654	C	T	3p14.1	7.39
AC235952.3	17570	T	G	3p14.1	8.05
AC235952.3	18066	T	C	3p14.1	9.69
AC235952.3	20186	T	C	3p14.1	11.77
AC235952.3	23468	T	C	3p14.1	6.74
AC238709.3	26013	A	C	19q13.11	6.65
AC238709.3	26633	G	A	19q13.11	7.12
AC238709.3	26925	G	A	19q13.11	7.21
AC238709.3	27171	C	T	19q13.11	6.36
AC238893.3	15327	G	A	19p13.2	7.7
AC238894.3	12990	C	T	20q13.33	6.68

AC238958.2	24954	A	G	2q21.3	6.96
AC239584.4	172931	T	A	4q13.3	8.68
AC239584.4	173032	T	C	4q13.3	9.04
AC239584.4	173221	G	T	4q13.3	7.8
AC239584.4	173373	T	C	4q13.3	9.77
AC239584.4	173666	G	A	4q13.3	9.98
AC239584.4	173783	C	T	4q13.3	10.27
AC239584.4	173889	T	A	4q13.3	9.13
AC239584.4	174174	G	T	4q13.3	9.37
AC239584.4	174195	A	G	4q13.3	9.7
AC239584.4	174462	A	G	4q13.3	8.71
AC239584.4	174822	C	A	4q13.3	8.64
AC239584.4	174900	C	A	4q13.3	10.98
AC239584.4	175047	A	T	4q13.3	7.74
AC239584.4	175357	T	G	4q13.3	8.03
AC239584.4	175455	C	T	4q13.3	9.1
AC239584.4	175463	C	T	4q13.3	7.24
AC239584.4	175576	T	G	4q13.3	6.89
AC239584.4	175792	G	A	4q13.3	7.87
AC239584.4	175837	A	G	4q13.3	8.39
AC239584.4	175854	C	T	4q13.3	8.82
AC239584.4	175963	A	T	4q13.3	8.98
AC239584.4	176007	T	C	4q13.3	9.33
AC239584.4	176071	C	T	4q13.3	6.37
AC239584.4	176306	G	A	4q13.3	8.9
AC239860.3	53378	C	G	1q21.1	14.07
AC239860.3	55815	C	T	1q21.1	16.14
AC239860.3	58410	A	G	1q21.1	15.71
AC239873.3	5873	C	A	22q11.23	6.93
AC239873.3	5893	T	C	22q11.23	7.04
AC239873.3	5902	T	C	22q11.23	7.65
AC239873.3	7620	C	T	22q11.23	9.32
AC240508.1	22308	A	G	3q13.2	7.69
AC240577.2	22009	C	T	17q24.3	12.2
AC241442.1	29441	G	T	8q24.3	6.08
AC241442.1	29815	G	A	8q24.3	8.22
AC241586.3	188517	C	T	1p11.2	9.19
AC241586.3	191306	A	G	1q21.1	6.78
AC241586.3	196002	C	A	1q21.1	8.43
AC241851.2	11683	A	G	2q11.1	10.7
AC241851.2	19987	C	T	2p11.2	10.41
AC242001.2	2737	G	A	5p12	7.07
AC242001.2	4366	A	C	5p12	7.27
AC242001.2	12345	T	A	5p12	7.26
AC242001.2	17236	A	T	5p12	6.73
AC242001.2	20581	G	A	5q11.2	6.34
AC242001.2	24474	T	C	5p12	7.01
AC242001.2	27215	C	T	5p12	7.04
AC242001.2	28149	G	T	5q11.1	7.1
AC242001.2	38596	T	C	5p12	7.05
AC242192.3	12706	G	A	20q11.21	9.85
AC242192.3	18738	A	G	20q11.21	7.57
AC242192.3	18971	G	C	20q11.21	8.08

AC242192.3	19245	A	G	20q11.21	6.4
AC242192.3	22253	C	G	20q11.21	7.45
AC242192.3	25078	T	C	20q11.21	11.59
AC242192.3	25206	A	G	20p11.21	8.07
AC242192.3	25233	C	T	20q11.21	8.69
AC242192.3	25277	G	A	20p11.21	8.37
AC242192.3	26329	T	C	20p11.21	7.85
AC242192.3	26915	G	A	20q11.21	7.15
AC242192.3	27247	T	G	20q11.21	7.17
AC242192.3	27805	C	T	20q11.21	13.33
AC242192.3	28062	A	C	20p11.21	9.48
AC242285.2	1500	G	C/T	20q11.21	6.61
AC242285.2	24220	T	C	20q11.21	6.39
AC242285.2	32106	T	A	20q11.21	6.19
AC242285.2	32107	C	A	20q11.21	6.21
AC242285.2	33457	A	C/G	20q11.23	6.33
AC242289.3	13872	A	C	1p36.22	7.43
AC242289.3	13923	G	C	1p36.21	6.15
AC242309.1	13148	T	G	3p24.3	9.42
AC242309.1	14262	A	C	3p24.3	6.94
AC242666.3	33330	G	A	10p11.21	9.11
AC243974.2	79807	A	C	12p13.2	8.32
AC243974.2	80911	C	T	12p13.2	8.64
AC244027.1	19955	T	A	1p36.22	8.39
AL137861.5	35668	A	G	1q21.1	8.7
AL354926.17	76242	A	G	3q11.2	6.18
AL354926.17	94994	C	G	3p11.1	9.7
AL354926.17	105619	T	A	3p11.1	8.6
AL354926.17	130786	A	G	3p11.1	8.92
AL354926.17	135853	T	G	3p11.1	6.23
AL772161.10	108965	A	G	9q34.2	8.4
AL845331.2	22332	G	T	2q11.1	8.25
AL845331.2	27481	C	T	2p11.2	8.94
AL845331.2	27497	C	A	2q11.2	7.97
AL845331.2	37698	G	T	2p11.2	10.03
AL845331.2	47818	T	C	2q11.2	8.87
BX119317.2	24422	T	C	1p11.2	6.11
BX640538.4	42311	G	A	9q21.12	6.01
BX640538.4	71767	G	T	9p13.1	6.25
CR854858.22	104332	A	G	1p36.21	6.66
CR854858.22	104482	A	G	1p36.22	6.77
CR854858.22	105172	C	G	1p36.21	6.39
CR854858.22	105882	C	T	1p36.21	6.22
CR854858.22	105933	C	T	1p36.21	6.46
CR854858.22	106571	C	T	1p36.21	6.25
CR854858.22	109929	G	A	1p36.22	6.53
FP325312.10	124742	C	T	16q12.1	9.03
FP325312.10	127369	C	T	16q12.1	10.77
FP325329.5	29474	G	C	6p11.1-6q11.1	7.28
FP325329.5	37637	A	T	6q12	6.07
FP325329.5	55197	C	T	6p12.1-6p11.2	7.16
FP325329.5	62875	T	C	6q12	6.26
FP325329.5	71863	T	G	6q11.1-6q11.2	6.52

FP565171.2	20653	G	A	10q26.3	7.95
FP565324.3	27082	G	A	13q34	6.03
FP565421.3	13346	T	A	20q11.22	8.19
FP565421.3	14419	C	A	20q11.21	7.62
FP565421.3	15068	C	T	20p11.21	7.68
FP565421.3	15353	T	C	20p11.21	8.34
FP565421.3	16060	C	A	20p11.21	8.23
FP565421.3	16191	A	T	20p11.21	7.8
FP565421.3	16954	A	C	20p11.21	7.73
FP565421.3	17521	G	T	20q11.21	8.09
FP565421.3	17787	C	T	20p11.21	7.79
FP565421.3	17843	T	G	20p11.21	7.68
FP565421.3	17844	G	T	20p11.21	7.65
FP565421.3	18908	T	G	20q11.21	7.82
FP565421.3	19838	G	A	20p11.21	8.14
FP565421.3	20915	T	C	20p11.21	7.37
FP565421.3	26219	T	C	20p11.21	6.74
FP565421.3	26241	G	C	20p11.21	6.37
FP565421.3	26247	A	G	20p11.21	7.36
FP565794.2	7157	G	T	10q11.21	9.18
FP565794.2	22151	C	T	10q11.21	11.44
FP565795.1	7769	G	A	6q27	11.89
FP671131.2	3653	A	T	9q22.2	8.97
FP671131.2	5061	A	G	9q22.2	7.79
FP671131.2	7198	T	C	9q22.1	6.06
FP671131.2	7912	G	A	9q22.2	6.32
FP671131.2	17553	G	A	9q22.1	6.01
FP671131.2	20912	C	T	9q22.2	6.73
FP885534.9	13650	T	A	6q21	10.38
FP885534.9	20621	G	C	6q21	8.91
FP885917.2	3182	T	C	18p11.21-18q11.1	7.54
FP885917.2	7335	A	C	18p11.21	6.98
FP885917.2	7469	C	A/T	18p11.21	6.45
FP885917.2	25246	G	A	18q11.2	6.66
NW_001838585.1	839490	G	A/C	1p36.33	7.6
NW_001838585.1	840738	T	C	1p36.33	9.56
NW_001838579.2	27975142	C	T	1p32.3	7.7
NW_001838589.2	284701	A	T	1p21.1	6.34
NW_001838589.2	302948	T	C	1p21.1	7.3
NW_001838549.1	4727683	C	T	1q43	6.54
NW_001838549.1	4728940	G	A	1q42.3	10.03
NW_001838549.1	4729397	A	G	1q42.3	6.56
NW_001838549.1	4730432	T	C	1q42.3	7.77
NW_001838549.1	4730792	C	T	1q42.3	14.02
NW_001838554.1	1888309	G	A	1q44	6.17
NW_001838758.1	806631	T	A	2p25.3	6.34
NW_001838758.1	809218	A	G	2p25.3	6.8
NW_001838768.1	5382834	C	T	2p23.3	8.04
NW_001838769.1	11568316	A	G	2p22.1	11.22
NW_001838769.1	11568336	C	G	2p22.1	9.27
NW_001838769.1	27896351	A	G	2p16.1	8.82
NW_001838799.1	3113	T	C	2q11.2	7.97
NW_001838799.1	6950	G	A	2p11.2	8.35

NW_001838799.1	6970	G	A	2q11.1	7.08
NW_001838799.1	6997	T	A	2q11.1	8.35
NW_001838799.1	7030	A	G	2q11.1	6.51
NW_001838799.1	7292	A	T	2q11.1	14.67
NW_001838799.1	7686	G	C	2q11.1	9.78
NW_001838799.1	13674	C	G	2q11.1	8.8
NW_001838799.1	16085	T	C	2q11.2	6.05
NW_001838799.1	16553	A	C	2q11.2	8.46
NW_001838799.1	18526	C	T	2q11.2	7.01
NW_001838799.1	18781	A	C	2q11.1	7.33
NW_001838799.1	18806	A	G	2q11.1	7.28
NW_001838799.1	18899	A	T	2q11.2	7.22
NW_001838799.1	18971	G	A	2q11.1	6.67
NW_001838799.1	26536	A	G	2p11.2	6.34
NW_001838799.1	26572	A	T	2q11.1	6.94
NW_001838799.1	26688	C	G	2p12	6.19
NW_001838799.1	27261	A	T	2q11.1	6.24
NW_001838799.1	27711	C	T	2q11.1	7.18
NW_001838799.1	28508	G	A/T	2q11.2	9.42
NW_001838799.1	28668	G	T	2p11.2	6.2
NW_001838799.1	29049	G	A	2p12	6.06
NW_001838799.1	29210	C	T	2p11.1-2q11.1	6.48
NW_001838799.1	29704	T	A	2q11.1	6.71
NW_001838799.1	30494	C	T	2p11.1-2q11.1	6.1
NW_001838799.1	30582	C	A	2p11.2	6.28
NW_001838799.1	30759	A	C	2q11.1	8.29
NW_001838799.1	30880	T	C	2q11.1	6.23
NW_001838799.1	31361	G	A	2q11.2	6.16
NW_001838799.1	31421	A	T	2q11.1	7.07
NW_001838799.1	31437	T	A	2q11.1	7.02
NW_001838799.1	31533	T	C	2q11.1	6.95
NW_001838799.1	31901	T	C	2q11.1	7.79
NW_001838799.1	32400	T	G	2p11.2	17.55
NW_001838799.1	32612	G	A	2q11.1	7.29
NW_001838799.1	32984	C	A	2q11.1	6.81
NW_001838799.1	36377	T	C	2q11.1	7.22
NW_001838799.1	36611	C	G	2q11.1	7.29
NW_001838799.1	36639	G	A	2q11.1	7.16
NW_001838799.1	36642	G	C	2q11.1	7.09
NW_001838799.1	37222	A	G	2q11.2	7.88
NW_001838799.1	37860	C	T	2q11.1	7.11
NW_001838799.1	38421	G	C	2q11.1	6.92
NW_001838799.1	38706	G	T	2p11.1-2q11.1	6.39
NW_001838799.1	38729	A	G	2q11.1	8.04
NW_001838799.1	38937	C	T	2q11.1	7.67
NW_001838799.1	38951	T	G	2q11.1	7.03
NW_001838799.1	39114	C	T	2q11.2	6.76
NW_001838799.1	39654	G	T	2q11.1	6.7
NW_001838799.1	39803	G	C	2q11.2	8.16
NW_001838799.1	39890	T	A	2p11.2	10.38
NW_001838799.1	40184	A	G	2q11.1	7.03
NW_001838799.1	41054	C	T	2p11.2	9.57
NW_001838799.1	41165	T	C	2q11.1	7.91

NW_001838799.1	41205	A	G	2q11.1	6.91
NW_001838799.1	41639	A	T	2q11.1	7.51
NW_001838799.1	41754	T	A	2p11.1-2q11.1	6.33
NW_001838799.1	41914	A	G	2q11.2	7.78
NW_001838799.1	42990	G	A	2p11.1-2q11.1	6.19
NW_001838799.1	43058	C	T	2p11.1-2q11.1	6.49
NW_001838799.1	43102	C	A	2q11.1	6.76
NW_001838799.1	43384	A	T	2q11.1	8.09
NW_001838799.1	43681	C	T	2q11.1	8.3
NW_001838799.1	43864	G	A	2q11.1	7
NW_001838799.1	44079	T	G	2q11.1	7.14
NW_001838799.1	44244	A	G	2p11.2	17.88
NW_001838799.1	44258	G	T	2q11.2	7
NW_001838799.1	45152	C	T	2q11.1	6.63
NW_001838799.1	45848	T	C	2q11.1	6.69
NW_001838799.1	46154	C	A	2p11.1-2q11.1	6.49
NW_001838799.1	46262	C	A	2p11.1-2q11.1	6.32
NW_001838799.1	46923	A	G	2q11.1	13.7
NW_001838799.1	47155	C	T	2q11.1	7.17
NW_001838799.1	48313	G	C	2p11.1-2q11.1	6.42
NW_001838799.1	48479	C	T	2q11.1	7.04
NW_001838799.1	50078	C	T	2q11.2	6.3
NW_001838799.1	50092	G	A	2q11.2	6.85
NW_001838799.1	50152	A	T	2p11.1-2q11.1	6.2
NW_001838799.1	50265	G	A	2q11.1	7.43
NW_001838799.1	50354	C	A	2p11.1-2q11.1	6.21
NW_001838799.1	50491	C	T	2q11.1	7.46
NW_001838799.1	50628	G	A	2q11.2	6.65
NW_001838799.1	51121	G	T	2q11.1	7.42
NW_001838799.1	53707	A	G	2q11.1	14.5
NW_001838806.2	59814	T	C	2q11.2	9.46
NW_001838806.2	61471	A	G	2q11.1	8.16
NW_001838806.2	61922	C	T	2p11.2	15.3
NW_001838806.2	66245	C	T	2q12.1	6.26
NW_001838806.2	66480	C	T	2q11.1	6.4
NW_001838807.2	890181	T	C	2q21.2	6.52
NW_001838807.2	901155	G	A	2q11.1	7.44
NW_001838807.2	901980	T	G	2q11.2	6.08
NW_001838807.2	902697	A	C	2p11.1-2q11.1	7.62
NW_001838807.2	907398	C	T	2p11.2	12.61
NW_001838807.2	907849	T	C	2q11.2	10.21
NW_001838807.2	918742	C	A	2p11.2	14.18
NW_001838807.2	925592	A	G	2q11.2	11.95
NW_001838807.2	929132	T	A	2q11.2	9.75
NW_001838807.2	930338	T	C	2q12.1	6.06
NW_001838807.2	933521	T	A	2p11.2	12.7
NW_001838807.2	943556	A	T	2q11.1	8.68
NW_001838807.2	944217	A	C	2q12.1	6.3
NW_001838847.2	6449069	C	T	2q14.1	6.85
NW_001838860.1	8970302	T	C	2q24.1	10.86
NW_001838867.2	1213	C	T	2q37.1	6.48
NW_001838867.2	1423	C	T	2q37.1	11.3
NW_001838876.2	10337238	A	T	3p26.3	7.05

NW_001838877.2	8784814	T	C	3p14.3	7.51
NW_001838877.2	8785696	G	C	3p14.3	7.21
NW_001838877.2	8786851	T	C	3p14.3	6.65
NW_001838877.2	8787573	G	A	3p14.3	7.07
NW_001838877.2	8788438	C	A	3p14.3	6.14
NW_001838877.2	8790336	C	T	3p14.3	7.87
NW_001838877.2	8790894	G	A	3p14.3	7.74
NW_001838877.2	8804294	A	T	3p14.3	7.63
NW_001838877.2	8804364	C	G	3p14.3	7.22
NW_001838877.2	8806953	A	G	3p14.3	8.11
NW_001838877.2	8808868	T	C	3p14.3	11.77
NW_001838877.2	8813600	A	G	3p14.3	7.84
NW_001838877.2	8818914	A	T	3p14.3	8.53
NW_001838877.2	8826843	A	G	3p14.3	8.75
NW_001838879.1	3598632	A	T	3p11.1	6.46
NW_001838879.1	3624286	G	A	3q11.2	12.7
NW_001838879.1	3624827	C	T	3p11.1	8.93
NW_001838879.1	3626994	T	C	3p11.1	9.43
NW_001838879.1	3632739	C	A	3q11.2	14.76
NW_001838879.1	3640894	T	C	3p11.1	6.21
NW_001838879.1	3641063	C	T	3p11.1	7.58
NW_001838879.1	3643901	A	G	3p12.1	6.17
NW_001838879.1	3645079	T	C	3p12.1	8.14
NW_001838879.1	3655172	A	C	3p11.1	7.55
NW_001838879.1	3655275	C	T	3p11.1	6.28
NW_001838879.1	3657792	G	T	3p11.1	6.81
NW_001838879.1	3675028	C	A	3p12.1	6.79
NW_001838879.1	3675512	C	T	3q11.2	11.9
NW_001838879.1	3677048	C	G	3p11.1	8.6
NW_001838879.1	3680625	T	A	3p11.1	8.26
NW_001838879.1	3682164	G	A	3q11.2	7.04
NW_001838879.1	3682773	C	A	3p11.1	8.96
NW_001838879.1	3697955	T	G	3q11.2	8.27
NW_001838879.1	3721236	A	G	3p12.1	6.6
NW_001838879.1	3722301	T	C	3p12.1	8.09
NW_001838879.1	3729845	A	G	3q11.2	6.95
NW_001838879.1	3731854	T	A	3p11.1	8.26
NW_001838879.1	3746373	A	G	3p11.1	7.65
NW_001838879.1	3753082	C	T	3q11.2	8.71
NW_001838879.1	3755215	C	A	3p11.1	6.5
NW_001838879.1	3759634	T	A	3q11.1-3q11.2	10.09
NW_001838879.1	3760297	A	G	3q11.1-3q11.2	8.29
NW_001838879.1	3761928	G	A	3p11.1	10.04
NW_001838879.1	3769146	G	A	3p11.1	10.41
NW_001838879.1	3771519	C	T	3p11.1	8.91
NW_001838879.1	3771559	G	T	3p11.1	7.61
NW_001838879.1	3772756	T	C	3p12.1	6.69
NW_001838879.1	3772959	G	A	3p12.1	7.52
NW_001838879.1	3775287	T	C	3p11.1	17.34
NW_001838879.1	3775374	C	T	3p11.1	6.3
NW_001838879.1	3780395	G	C	3q11.2	7.34
NW_001838879.1	3780564	A	T	3q11.2	6.73
NW_001838879.1	3780809	C	A	3q11.2	6.84

NW_001838879.1	3782790	T	C	3q11.2	7.54
NW_001838879.1	3795234	A	G	3q11.2	12.28
NW_001838879.1	3795727	G	A	3p11.1	11.56
NW_001838879.1	3800359	T	A	3p11.1	7.19
NW_001838879.1	3803277	C	T	3p11.1	9.13
NW_001838879.1	3815877	A	G	3p11.1	11.92
NW_001838879.1	3817049	C	T	3p12.1	9.41
NW_001838879.1	3818880	C	G	3p11.1	7.15
NW_001838879.1	3826363	C	G	3q11.2	14.97
NW_001838879.1	3827534	A	G	3p11.1	8.17
NW_001838879.1	3828494	C	G	3p11.1	8.32
NW_001838879.1	3828784	G	A	3p11.1	7.86
NW_001838879.1	3830384	C	A	3p12.1	8.82
NW_001838879.1	3830894	C	T	3p11.1	6.77
NW_001838879.1	3832446	C	T	3p12.1	8
NW_001838879.1	3833517	A	G	3p11.1	6.87
NW_001838879.1	3834161	C	T	3p11.1	9.35
NW_001838879.1	3842662	C	T	3p11.1	7.49
NW_001838879.1	3848108	G	A	3q11.2	17.01
NW_001838879.1	3848950	A	C	3p11.1	8.47
NW_001838879.1	3850342	C	T	3p11.1	7.01
NW_001838879.1	3857475	T	C	3p11.1	9.23
NW_001838879.1	3859390	T	C	3p11.1	7.59
NW_001838879.1	3860340	T	C	3p11.1	6.74
NW_001838879.1	3862675	A	G/T	3p12.1	6.22
NW_001838880.2	4914616	T	C	3p12.1	6.36
NW_001838880.2	4916821	T	G	3p11.1	9.27
NW_001838880.2	4947500	G	A	3p11.1	9.71
NW_001838880.2	4952415	G	A	3q11.2	6.67
NW_001838880.2	4982333	T	C	3p11.1	9.73
NW_001838880.2	4983955	A	T	3p11.1	9.28
NW_001838880.2	4984947	G	A	3p12.1	10.88
NW_001838880.2	4985071	C	T	3p11.1	10.26
NW_001838880.2	4985144	A	G	3p11.1	7.7
NW_001838881.2	17750504	C	T	3q13.13	7.51
NW_001838884.2	41426243	T	C	3q25.2	6.33
NW_001838884.2	41426333	T	G	3q25.2	6.13
NW_001838884.2	41426920	C	T	3q25.2	6
NW_001838889.1	1444606	C	A	3q29	8.87
NW_001838889.1	1521094	G	C	3q29	6.91
NW_001838901.1	699	A	T	4p15.1	10.88
NW_001838901.1	1175	T	C	4p15.1	7.23
NW_001838913.1	6161	G	T	4q12	6.05
NW_001838913.1	7093480	A	G	4q13.1	6.48
NW_001838915.1	920	A	G	4q13.3	6.44
NW_001838921.1	45009270	A	G	4q35.1	8.26
NW_001838921.1	50499068	G	C	4q35.2	6.16
NW_001838921.1	50499078	C	A	4q35.2	6.56
NW_001838926.1	3079960	G	A	5p15.31	6.13
NW_001838929.1	328729	C	T	6p11.1-6q11.1	6.54
NW_001838929.1	355752	G	A	6q11.1	6.94
NW_001838929.1	7540874	G	A	5p13.3	6.6
NW_001838933.1	10714827	A	G	5p12	8.72

NW_001838933.1	10732443	T	G	5p12	7.48
NW_001838952.2	19400022	A	G	5q23.2	7.72
NW_001838952.2	26314704	A	G	5q22.2	6.55
NW_001838952.2	47120015	A	G	5q14.3	6.32
NW_001838952.2	47120602	C	A	5q14.3	6.85
NW_001838981.2	1242776	C	T	6p12.1	15.03
NW_001838981.2	6367218	C	T	6p12.3	7.17
NW_001838981.2	6375448	T	G	6p12.3	6.48
NW_001838981.2	6391334	C	T	6p12.3	9.53
NW_001838981.2	6397269	A	G	6p12.3	7.24
NW_001838981.2	6412211	G	A	6p12.3	6.58
NW_001838981.2	6421351	T	G	6p12.3	6.57
NW_001838981.2	6439242	G	C	6p12.3	11.9
NW_001838983.1	514154	T	G	6q11.1-6q11.2	7.7
NW_001838984.1	4735	A	G	6q11.1	6.46
NW_001838984.1	6406	A	G	6p11.2	7.27
NW_001838984.1	28672	T	C	6p11.1	6.94
NW_001838984.1	36886	G	A	6q12	8.4
NW_001838984.1	44037	G	A	6q11.2	7.27
NW_001838984.1	46371	C	T	6p11.2	6.39
NW_001838984.1	48092	G	A	6p11.2	6.03
NW_001838984.1	50468	C	A	6p11.2	6.09
NW_001838984.1	51452	G	A	6p11.2	6.21
NW_001838984.1	51740	C	T	6p11.2	6.06
NW_001838984.1	51800	G	A	6q12	6.07
NW_001838984.1	55658	T	C	6p11.2	6.52
NW_001838984.1	55731	G	A	6p11.1	7.19
NW_001838984.1	55734	A	C/T	6p11.1	7.29
NW_001838984.1	62291	C	T	6q11.1-6q11.2	14.7
NW_001838984.1	82977	C	T	6p11.2	6.14
NW_001838984.1	116195	A	G	6q11.2	6.89
NW_001838984.1	118676	T	G	6q11.2	7.25
NW_001838984.1	122302	T	A	6q11.1-6q11.2	15.86
NW_001838984.1	123263	T	A	6p11.2	6.72
NW_001838984.1	134887	G	T	6q11.1-6q11.2	6.86
NW_001838984.1	183962	T	C	6p12.1	6.54
NW_001838984.1	185380	C	T	6q12	17.34
NW_001838984.1	196336	A	C	6q11.1-6q11.2	8.07
NW_001838984.1	204342	T	C	6p11.1	7.04
NW_001838984.1	235753	T	A	6q11.1	6.18
NW_001838984.1	250029	G	C	6q11.1-6q11.2	7.63
NW_001838984.1	294577	A	G	6q11.1-6q11.2	8.27
NW_001838984.1	306688	A	G	6p11.2	6.03
NW_001838984.1	309614	C	G	6q12	7.95
NW_001838984.1	313350	A	T	6p12.1	6.67
NW_001838984.1	1429158	A	T	6q11.2	6.22
NW_001838984.1	1430177	T	G	6q12	6.34
NW_001838984.1	1437937	G	A	6p12.1	7.82
NW_001838984.1	1469520	G	T	6p11.1	6.04
NW_001838984.1	1492470	A	G	6p12.1	7.37
NW_001838987.1	10011869	C	T	6q14.1	6.16
NW_001838987.1	25130122	T	C	6q16.1	7.53
NW_001838988.2	10918523	T	A	6q16.1	10.96

NW_001838990.2	50286365	G	A	6q21	16.57
NW_001838990.2	50286503	G	A	6q21	6.15
NW_001838990.2	50287137	C	T	6q21	7.04
NW_001838990.2	50288342	C	T	6q21	12.78
NW_001838990.2	50289094	G	A	6q21	6.22
NW_001838990.2	50289137	G	A	6q21	7.19
NW_001838990.2	50302379	T	C	6q21	6.34
NW_001838990.2	50303931	A	G	6q21	6
NW_001838990.2	50304596	C	T	6q21	6.26
NW_001838990.2	50305815	G	A	6q21	11.12
NW_001838990.2	50313433	G	A	6q21	7.59
NW_001838996.1	6315	G	T	6q27	10.57
NW_001838996.1	7162	T	C	6q27	6.06
NW_001838996.1	8468	A	G	6q27	6.47
NW_001838996.1	8598	G	A	6q27	6.57
NW_001838996.1	43963	T	A	6q27	7.31
NW_001838996.1	44607	T	G	6q27	6.8
NW_001838996.1	46063	T	C	6q27	6.19
NW_001839003.1	2067148	G	A	7p21.3	7.05
NW_001839003.1	8236903	T	C	7p21.2	6.93
NW_001839003.1	13247553	A	C	7p21.1	6.72
NW_001839018.1	105323	A	G	7q11.22	6.93
NW_001839018.1	124666	G	A	7p12.1	6.47
NW_001839018.1	140058	C	T	7q11.22	6.55
NW_001839018.1	160120	G	A	7q11.22	6.07
NW_001839018.1	175772	A	T	7q11.21	6.46
NW_001839018.1	175773	T	G	7q11.21	6.48
NW_001839023.2	16152	C	T	7q11.21	8.62
NW_001839023.2	17855	A	C	7q11.22	10.89
NW_001839023.2	21883	C	A/T	7q11.22	8.94
NW_001839023.2	22561	T	G	7q11.22	7.75
NW_001839023.2	22953	G	A	7q11.22	7.1
NW_001839023.2	38227	C	T	7q11.21	8.26
NW_001839023.2	40061	T	A	7q11.21	7.32
NW_001839023.2	41572	G	A	7q11.21	7.04
NW_001839023.2	48354	G	A	7p11.2	7.65
NW_001839023.2	53943	C	T	7q11.21	6.49
NW_001839023.2	58518	G	A	7q11.21	6.23
NW_001839067.2	1526296	A	G	7q21.3	7.42
NW_001839071.2	1084545	G	A	7q32.3	8.8
NW_001839071.2	1086974	T	C	7q32.2	7.72
NW_001839071.2	1087569	A	G	7q32.2	6.26
NW_001839071.2	1088981	T	C	7q32.2	9.98
NW_001839071.2	1089653	A	G	7q32.3	8.18
NW_001839071.2	1090502	T	A	7q32.2	8.18
NW_001839071.2	1090780	T	G	7q32.2	7.3
NW_001839071.2	1093298	C	T	7q32.3	8.41
NW_001839071.2	1096131	T	C	7q32.2	6.67
NW_001839071.2	1097151	A	C	7q32.3	9.11
NW_001839071.2	1097878	G	A	7q32.2	7.42
NW_001839071.2	1100722	G	A	7q32.1	6.49
NW_001839071.2	1103782	A	T	7q32.2	6.79
NW_001839071.2	1104003	C	A	7q32.2	7.29

NW_001839071.2	1105501	T	C	7q32.2	6.88
NW_001839071.2	1107152	G	A	7q32.2	7.76
NW_001839071.2	1108156	A	T	7q32.2	6.55
NW_001839071.2	1108359	C	T	7q32.3	8.56
NW_001839071.2	1109444	C	T	7q32.2	9.03
NW_001839071.2	1109882	A	G	7q32.2	8.47
NW_001839071.2	1115366	A	G	7q32.2	7.29
NW_001839071.2	6410260	C	A	7q31.33	6.21
NW_001839100.2	422649	T	C	7q36.3	6.15
NW_001839139.2	2711499	C	T	8q24.23	6.62
NW_001839139.2	2711546	C	A	8q24.22	6.3
NW_001839139.2	2711639	T	C	8q24.23	8.67
NW_001839139.2	2712311	C	T	8q24.23	6.62
NW_001839139.2	2712583	A	G	8q24.23	7.25
NW_001839139.2	2712606	C	T	8q24.23	6.5
NW_001839139.2	2712675	A	G	8q24.23	7.39
NW_001839139.2	2712933	T	C	8q24.23	7.13
NW_001839142.2	959500	C	T	8q24.3	6.98
NW_001839142.2	959517	T	C	8q24.3	7.29
NW_001839142.2	1065113	C	G	8q24.3	6.74
NW_001839142.2	1065260	C	G	8q24.3	8.73
NW_001839149.2	29185249	A	T	9p24.1	10.05
NW_001839149.2	29186013	C	A	9p24.1	7.29
NW_001839149.2	29186017	G	C	9p24.1	8.12
NW_001839149.2	29186124	T	A	9p24.1	10.71
NW_001839181.1	46797	T	A	9q21.13	7.13
NW_001839181.1	72266	C	A	9q21.12	6.65
NW_001839181.1	104472	T	C	9q21.12	7.04
NW_001839181.1	110432	G	C	9p13.1	6.77
NW_001839181.1	283111	G	T	9q21.11	6.68
NW_001839181.1	318693	G	A	9q21.11	6.42
NW_001839219.2	8184	G	A	9q21.12	6.9
NW_001839221.1	6580725	C	T	9q21.13	11.61
NW_001839223.1	801749	A	C	9q22.1	6.18
NW_001837937.2	44355	C	T	10p11.21	6.54
NW_001837937.2	48723	T	A	10p11.21	7.09
NW_001837937.2	49819	A	C	10q11.21	6.74
NW_001837939.1	21607	C	T	10p11.21	6.25
NW_001837986.1	9547421	T	C	10q21.3	6.64
NW_001837986.1	12703240	C	T	10q21.3	13.57
NW_001837986.1	12704414	T	A	10q21.3	12.37
NW_001837986.1	12705245	A	G	10q21.3	11.03
NW_001837986.1	12706415	G	A	10q21.3	9
NW_001837986.1	12707208	T	C	10q21.3	7.73
NW_001837992.1	1910417	G	C	10q23.2	8.02
NW_001837992.1	1910562	T	C	10q23.2	8.59
NW_001838006.2	3696178	A	C	10q26.11	7.12
NW_001838009.1	1030	G	C	10q26.13	7.32
NW_001838009.1	1468	G	A	10q26.13	8.12
NW_001838009.1	1473	C	A	10q26.13	8.19
NW_001838009.1	2136	T	C	10q26.13	6.09
NW_001838009.1	4437	C	T	10q26.13	7.2
NW_001838009.1	13074	G	C	10q26.13	7.98

NW_001838009.1	25674	G	T	10q26.13	6.89
NW_001838009.1	29388	T	C	10q26.13	6.55
NW_001838009.1	29393	C	T	10q26.13	6.15
NW_001838009.1	35648	A	G	10q26.13	7.69
NW_001838009.1	41798	C	T	10q26.2	6.07
NW_001838009.1	42067	A	G	10q26.13	6.05
NW_001838009.1	44928	A	C	10q26.2	6.07
NW_001838009.1	54164	A	G	10q26.13	6.54
NW_001838009.1	55892	A	G	10q26.13	6.52
NW_001838009.1	56362	T	G	10q26.13	12.61
NW_001838009.1	56617	T	C	10q26.13	9.82
NW_001838009.1	57361	T	C	10q26.13	10.36
NW_001838009.1	57509	G	T	10q26.13	6.44
NW_001838009.1	58194	T	C	10q26.13	6.72
NW_001838009.1	58398	A	G	10q26.13	11.3
NW_001838009.1	61252	A	G	10q26.13	6.96
NW_001838009.1	61839	G	A	10q26.13	6.92
NW_001838009.1	64101	G	A	10q26.2	6.01
NW_001838009.1	64928	G	A	10q26.13	7.85
NW_001838009.1	66979	C	G	10q26.2	6.62
NW_001838009.1	67903	A	G	10q26.13	7.18
NW_001838012.1	386031	C	T	10q26.3	7.48
NW_001838012.1	386100	T	A	10q26.3	9.28
NW_001838012.1	386182	G	C	10q26.3	9.25
NW_001838012.1	386269	C	T	10q26.3	7.2
NW_001838012.1	386633	T	C	10q26.3	7.96
NW_001838012.1	387022	C	T	10q26.3	7.94
NW_001838012.1	387050	G	C/T	10q26.3	8.08
NW_001838014.1	250161	T	C	10q26.3	19.86
NW_001838014.1	251895	G	A	10q26.3	6.02
NW_001838014.1	257817	A	G	10q26.3	6.93
NW_001838014.1	266873	A	C	10q26.3	6.19
NW_001838016.1	665750	T	C	11p15.5	8.52
NW_001838016.1	824045	G	A	11p15.5	7.77
NW_001838022.2	35667	C	T	11q12.1	7.2
NW_001838022.2	2993705	G	A	11p11.2	8.56
NW_001838022.2	36755893	A	C	11p15.2	8.39
NW_001838025.2	1460472	G	A	11q13.3	7.43
NW_001838027.1	1045907	G	A	11q13.3	7.47
NW_001838028.2	16885017	G	T	11q13.4	12.49
NW_001838042.2	24326225	T	C	11q21	7.07
NW_001838042.2	28536808	C	A	11q21	10.7
NW_001838050.1	822279	C	A	12p13.31	6.71
NW_001838050.1	1412114	G	A	12p13.31	8.02
NW_001838055.2	1198	C	G	12q12	6.92
NW_001838055.2	1259	G	C	12q12	9.18
NW_001838055.2	1359	C	A	12p11.21	7.54
NW_001838055.2	1385	G	C	12q12	8.32
NW_001838055.2	1530	T	C	12q12	6.36
NW_001838055.2	29868	G	A	12q12	6.47
NW_001838055.2	30038	C	G	12p11.21	9.72
NW_001838055.2	30385	T	A	12p11.21-12p11.1	6.01
NW_001838055.2	30691	G	C	12p11.21	11.35

NW_001838055.2	31230	T	G	12p11.1	10.13
NW_001838055.2	31237	G	A	12q12	8.78
NW_001838055.2	31428	G	A	12q12	13.02
NW_001838055.2	31721	C	T	12q12	12.46
NW_001838055.2	31790	C	T	12q12	13.1
NW_001838055.2	31842	C	G	12q12	13.01
NW_001838055.2	32095	C	A	12q12	14.65
NW_001838055.2	32497	C	A	12q12	13.34
NW_001838055.2	32510	G	A	12q12	13.7
NW_001838055.2	32737	C	T	12q11	6.36
NW_001838055.2	32963	T	A	12p11.1	9.18
NW_001838055.2	33219	A	C	12q12	12.01
NW_001838055.2	33282	T	A	12p11.1	7.01
NW_001838055.2	33321	T	A	12q12	9.24
NW_001838055.2	33821	G	T	12q12	12
NW_001838055.2	33970	T	C	12q12	8.78
NW_001838056.1	12043	T	G	12q12	7.01
NW_001838056.1	12236	T	A	12p11.21	6.8
NW_001838056.1	12753	C	T	12q12	9.71
NW_001838056.1	12793	T	C	12q12	8.41
NW_001838056.1	12985	A	T	12q12	6.08
NW_001838056.1	13382	G	A	12q12	8.98
NW_001838056.1	13452	T	A	12q11	7.09
NW_001838056.1	13580	C	A	12p11.1	6.38
NW_001838056.1	13745	G	C	12q11	7.76
NW_001838056.1	13981	C	T	12q12	6.45
NW_001838056.1	14033	A	C	12q12	8.04
NW_001838056.1	14200	C	T	12q12	6.07
NW_001838056.1	14479	G	T	12q12	9.71
NW_001838056.1	16377	G	T	12q12	7.35
NW_001838056.1	16654	C	G	12q12	8.8
NW_001838056.1	16968	C	T	12p11.21-12p11.1	6.75
NW_001838056.1	18422	A	T	12q12	17.13
NW_001838056.1	22738	C	T	12q12	9.43
NW_001838056.1	22818	T	A	12q12	7.71
NW_001838056.1	23146	G	C	12q12	13.95
NW_001838056.1	24112	C	G	12q12	16.67
NW_001838056.1	24605	G	A	12q12	10.23
NW_001838056.1	26317	A	C	12p11.21-12p11.1	6.12
NW_001838056.1	43215	G	A/T	12q12	10.55
NW_001838056.1	43311	C	T	12q12	13.56
NW_001838056.1	46666	G	A	12p11.21-12p11.1	10.08
NW_001838056.1	46790	A	T	12q11	7.22
NW_001838056.1	48386	T	A	12q12	14.28
NW_001838056.1	54964	C	T	12p11.21-12p11.1	6.01
NW_001838056.1	55086	C	T	12q12	15.1
NW_001838056.1	55464	G	A	12q12	11.68
NW_001838056.1	56060	G	A	12q12	14.22
NW_001838056.1	59035	C	A	12q12	13.94
NW_001838056.1	59648	C	T	12q12	6.99
NW_001838056.1	63229	G	A	12q12	13.32
NW_001838056.1	64311	G	T	12p11.21-12p11.1	9.28
NW_001838056.1	71020	G	T	12q12	10.34

NW_001838056.1	73944	G	C	12q12	8.11
NW_001838056.1	74376	C	T	12q12	9.75
NW_001838056.1	77222	C	T	12q12	8.5
NW_001838056.1	77373	C	T	12p11.21-12p11.1	6.09
NW_001838056.1	79917	G	A	12q12	13.31
NW_001838056.1	81899	T	C	12q12	16.03
NW_001838056.1	81911	G	A	12q12	16
NW_001838056.1	82645	C	T	12q12	14.05
NW_001838056.1	83841	C	T	12q12	16.27
NW_001838056.1	85957	T	C	12q12	14.89
NW_001838056.1	86227	C	G	12q12	11.01
NW_001838056.1	87415	A	T	12q12	14.16
NW_001838056.1	87973	A	G	12q12	6.4
NW_001838056.1	88640	G	A	12q12	14.37
NW_001838056.1	89535	A	C	12q12	6.75
NW_001838056.1	90631	C	A/T	12q12	11.17
NW_001838056.1	91203	C	A	12q12	17.48
NW_001838056.1	91686	G	A	12p11.21-12p11.1	8.48
NW_001838056.1	94294	C	A	12p11.21-12p11.1	7.14
NW_001838056.1	95020	C	A	12q12	9.76
NW_001838056.1	104614	A	T	12q12	8.14
NW_001838056.1	107203	T	C	12q12	9.39
NW_001838056.1	107349	T	C	12q12	14.11
NW_001838056.1	109115	C	T	12p11.21-12p11.1	6.54
NW_001838056.1	109365	G	A	12q12	8.67
NW_001838056.1	110804	A	G	12q12	16.46
NW_001838056.1	111688	T	A	12q12	15.77
NW_001838056.1	112233	G	C	12q12	7.18
NW_001838056.1	112669	A	G	12q12	9.3
NW_001838056.1	114545	T	C	12q11	6.87
NW_001838056.1	114806	T	C	12q12	6.24
NW_001838056.1	116954	G	T	12p11.21-12p11.1	6.04
NW_001838056.1	117840	C	T	12p11.21-12p11.1	6.02
NW_001838056.1	118588	G	A	12q11	6.34
NW_001838056.1	119024	C	T	12p11.21-12p11.1	8.72
NW_001838056.1	122837	A	G	12q12	12.28
NW_001838056.1	122996	C	T	12p11.21-12p11.1	6.58
NW_001838056.1	124948	C	T	12q12	15.89
NW_001838056.1	125229	C	A	12q12	14.87
NW_001838056.1	127676	G	A	12q12	15.89
NW_001838056.1	129712	C	T	12q12	15.67
NW_001838056.1	130407	A	T	12q12	7.53
NW_001838056.1	132727	T	G	12q12	8.5
NW_001838056.1	136237	C	G	12q12	11.44
NW_001838056.1	138222	C	T	12p11.1	6.08
NW_001838056.1	138785	T	C	12p11.21-12p11.1	6.54
NW_001838056.1	139047	A	C/G	12q12	11.61
NW_001838056.1	142958	C	T	12q12	16.76
NW_001838056.1	149210	C	T	12q12	16.36
NW_001838056.1	150427	C	T	12q12	9.55
NW_001838056.1	153371	A	C	12p11.21-12p11.1	6.47
NW_001838056.1	153898	T	A	12q12	6.8
NW_001838056.1	153906	C	G	12q12	6.82

NW_001838056.1	157186	G	C	12q12	15.34
NW_001838056.1	157897	G	A	12q12	11.04
NW_001838056.1	160556	A	T	12q12	8.82
NW_001838056.1	163558	T	A	12q12	10.65
NW_001838056.1	166938	C	T	12q12	14.77
NW_001838056.1	168230	T	G	12q12	15.55
NW_001838056.1	169219	T	C	12q12	16.53
NW_001838056.1	170246	G	A	12q11	6.16
NW_001838056.1	170544	C	T	12q12	15.8
NW_001838056.1	171013	A	C	12q12	8.63
NW_001838056.1	171641	G	A	12p11.21-12p11.1	6.47
NW_001838056.1	171994	A	G	12p11.21-12p11.1	6.1
NW_001838056.1	173469	T	G	12p11.21-12p11.1	6.31
NW_001838056.1	180160	A	C	12p11.21-12p11.1	6.19
NW_001838056.1	180171	A	C	12p11.21-12p11.1	6.16
NW_001838056.1	180389	A	G	12q12	11.98
NW_001838056.1	182710	C	G	12q12	14.54
NW_001838056.1	183018	G	T	12q12	8.86
NW_001838056.1	184347	C	G	12q12	12.31
NW_001838056.1	185072	A	G	12q11	7.03
NW_001838056.1	190663	C	A	12q11	6.77
NW_001838056.1	191078	T	C	12q12	12.79
NW_001838056.1	191206	G	T	12p11.21-12p11.1	6.52
NW_001838056.1	194077	G	A	12q12	10.52
NW_001838056.1	194368	C	A	12p11.1	7.11
NW_001838056.1	197838	G	C	12q12	8.21
NW_001838056.1	199786	C	T	12q12	13.56
NW_001838056.1	209122	A	T	12q12	13.79
NW_001838056.1	212650	T	C	12q12	7.13
NW_001838056.1	215409	T	C	12q12	8.59
NW_001838056.1	218766	A	C	12q12	15.49
NW_001838056.1	224353	A	G	12q12	7.04
NW_001838056.1	227504	A	G	12q12	6.78
NW_001838056.1	503985	C	T	12q12	6.55
NW_001838056.1	504694	C	T	12q12	6.47
NW_001838056.1	505248	T	G	12p11.21	8.08
NW_001838056.1	505278	A	T	12q11	6.09
NW_001838061.2	403903	G	T	12q23.3	7.59
NW_001838061.2	1067565	C	A	12q23.3	7.18
NW_001838061.2	1070374	A	G	12q23.3	10.22
NW_001838069.1	4390161	A	G	13q12.12	9.35
NW_001838069.1	4390287	A	G	13q12.12	7.27
NW_001838069.1	4391373	A	G	13q12.12	7.28
NW_001838069.1	4391781	G	T	13q12.12	6.23
NW_001838069.1	4391794	C	T	13q12.12	7.38
NW_001838069.1	4391847	A	C	13q12.12	7.12
NW_001838069.1	4392826	T	C	13q12.12	7.18
NW_001838084.2	3016983	A	C	13q33.3	6.46
NW_001838112.2	402737	A	G	14q24.2	6.06
NW_001838115.2	3275907	A	T	14q32.2-14q32.31	7.94
NW_001838115.2	3275984	C	T	14q32.2-14q32.31	7.52
NW_001838199.1	647070	G	A	15q13.1	8.83
NW_001838285.2	7459	C	G	16p11.2	8.88

NW_001838285.2	8114	G	A	16q11.2	11.61
NW_001838285.2	12391	G	C	16q12.1	7.35
NW_001838285.2	18336	A	G	16q12.1	8.34
NW_001838285.2	22922	T	G	16q11.2-16q12.1	6.27
NW_001838285.2	30974	G	C	16p11.2	6.81
NW_001838286.2	2265	C	G	16q12.1	7.81
NW_001838286.2	2644	C	G	16q12.1	9.82
NW_001838286.2	11593	A	C/T	16q11.2-16q12.1	7.33
NW_001838286.2	12032	T	C/G	16q12.1	10.63
NW_001838286.2	12313	C	T	16q11.2-16q12.1	7.28
NW_001838286.2	18923	A	G	16q12.1	7.55
NW_001838286.2	20028	A	T	16q12.1	11.15
NW_001838286.2	22406	A	G	16q12.1	10.73
NW_001838286.2	86716	G	A	16q12.1	6.5
NW_001838286.2	87835	T	C	16p12.1	6.46
NW_001838286.2	89056	T	C	16q12.1	11.39
NW_001838286.2	96543	A	G	16p11.2	10.94
NW_001838286.2	104250	A	C	16p11.2	6.07
NW_001838286.2	119392	A	G	16q12.1	6.39
NW_001838286.2	124475	C	T	16q12.1	12.12
NW_001838286.2	158754	A	G	16q12.1	8.89
NW_001838286.2	162530	G	C	16p11.2	6.3
NW_001838286.2	163313	A	T	16q12.1	8.56
NW_001838286.2	167382	T	C	16p11.2	8.58
NW_001838286.2	173664	A	G	16q12.1	7.07
NW_001838286.2	1453120	C	G	16q12.1	6.16
NW_001838286.2	1472297	A	C	16q12.1	6.04
NW_001838286.2	1474083	T	C	16q11.2	8.54
NW_001838286.2	1479326	G	A/T	16q12.1	7.29
NW_001838286.2	1481201	C	A	16q12.1	8.61
NW_001838286.2	1484633	T	A	16q12.1	6.03
NW_001838286.2	1487760	G	C	16q12.1	6.77
NW_001838286.2	1491725	A	G	16q11.2-16q12.1	8.59
NW_001838286.2	1497309	G	A	16q11.2-16q12.1	7.64
NW_001838286.2	1501620	T	C	16q12.1	10.46
NW_001838286.2	1502457	T	C	16q12.1	6.47
NW_001838286.2	1505481	T	C	16q12.1	6.43
NW_001838286.2	1555385	G	A	16q11.2-16q12.1	6.46
NW_001838286.2	1560151	A	G	16p11.1-16q11.2	6.13
NW_001838286.2	1561727	G	A	16q12.1	7.68
NW_001838286.2	1569832	A	G	16q12.1	8.96
NW_001838286.2	1572552	T	C	16q12.1	9.43
NW_001838286.2	1574492	T	A	16q12.1	6.23
NW_001838286.2	1574722	G	A	16q12.1	10.26
NW_001838286.2	1576930	T	C	16q12.1	10.44
NW_001838286.2	1594533	T	A	16q12.1	8.41
NW_001838286.2	1594673	A	T	16q12.1	6.07
NW_001838286.2	1597656	C	T	16q12.1	9.16
NW_001838286.2	1600843	G	A	16q12.1	10.55
NW_001838286.2	1615732	G	A	16q12.1	6.59
NW_001838286.2	1622071	A	C	16q12.1	7.53
NW_001838286.2	1622393	G	T	16q12.1	8.72
NW_001838286.2	1626605	C	G	16q12.1	8.44

NW_001838286.2	1629663	T	C	16q12.1	9.26
NW_001838286.2	1630332	A	G	16q12.1	9.79
NW_001838286.2	1630626	T	A	16q12.1	10.97
NW_001838286.2	1632678	T	C	16q12.1	6.91
NW_001838286.2	1638253	T	A	16q12.1	6.45
NW_001838286.2	1640963	T	A	16q12.1	8.53
NW_001838286.2	1641058	A	G	16q12.1	6.02
NW_001838286.2	1648188	A	G	16q12.1	6.05
NW_001838286.2	1648847	C	A/T	16q12.1	7.12
NW_001838286.2	1650292	A	T	16q12.1	6.17
NW_001838286.2	1650371	G	A	16q12.1	6.37
NW_001838286.2	1653778	T	C	16q12.1	8.89
NW_001838286.2	1658177	A	G	16q12.1	8.77
NW_001838286.2	1660758	A	C	16q12.1	8.13
NW_001838286.2	1663950	G	A	16q12.1	7.25
NW_001838286.2	1677899	G	A	16q12.1	9.49
NW_001838286.2	1684700	A	T	16q12.1	6.23
NW_001838286.2	1687548	G	A	16q12.1	10.36
NW_001838286.2	1688066	T	A	16q12.1	6.4
NW_001838286.2	1688559	G	A	16q12.1	8.91
NW_001838286.2	1690501	C	A	16q12.1	7.44
NW_001838286.2	1691303	G	A	16q12.1	8.34
NW_001838286.2	1693540	T	C	16q12.1	6.92
NW_001838286.2	1693703	G	A	16q12.1	8.19
NW_001838286.2	1694643	T	G	16q12.1	6.89
NW_001838286.2	1704238	A	G	16q12.1	6.91
NW_001838286.2	1707235	A	T	16q12.1	6.2
NW_001838286.2	1707908	C	T	16q12.1	6.32
NW_001838286.2	1708438	A	G	16q12.1	9.45
NW_001838286.2	1709060	A	T	16q12.1	6.42
NW_001838286.2	1711158	A	T	16q12.1	8.22
NW_001838286.2	1715491	C	G	16q12.1	6.24
NW_001838286.2	1719611	G	A	16q12.1	8.66
NW_001838286.2	1720982	G	A	16q12.1	6.08
NW_001838286.2	1721112	G	A	16q12.1	10.43
NW_001838329.1	1461144	C	G	16q24.1	6.45
NW_001838403.1	653	T	G	17p13.3	11.33
NW_001838403.1	1436	T	C	17p13.3	9.22
NW_001838403.1	1664	C	G	17p13.3	7.85
NW_001838403.1	1678	G	C	17p13.3	7.71
NW_001838429.2	624413	G	A	17q11.2	6.09
NW_001838429.2	627504	G	A	17p11.2	6.62
NW_001838429.2	643035	A	G	17p11.2	6.41
NW_001838429.2	643749	C	A	17p11.2	7.03
NW_001838429.2	658725	G	A	17p11.2	7.14
NW_001838429.2	669321	T	A	17p11.2	7.21
NW_001838456.2	437603	G	A	17q25.3	6.22
NW_001838456.2	438003	C	T	17q25.3	7.87
NW_001838456.2	441551	A	G	17q25.3	6.23
NW_001838458.1	511659	T	A	17q25.3	8.97
NW_001838466.2	9166	T	G	18p11.21	8.43
NW_001838466.2	9332	C	G	18p11.21	11.67
NW_001838466.2	9393	A	G	18p11.21	11.96

NW_001838466.2	9806	G	T	18p11.21	9.16
NW_001838466.2	9836	A	G	18p11.21	11.13
NW_001838466.2	10507	G	T	18p11.21	11.34
NW_001838466.2	10749	T	G	18p11.21	13.7
NW_001838466.2	10764	T	A	18p11.21	15.19
NW_001838466.2	10780	T	G	18p11.21	12.63
NW_001838466.2	10876	A	G	18p11.21	11.87
NW_001838466.2	11063	A	G	18p11.21	13.1
NW_001838466.2	11142	C	A	18p11.21	14.56
NW_001838466.2	11202	T	A	18p11.21-18q11.1	6.95
NW_001838466.2	11898	A	G	18p11.21	14.24
NW_001838466.2	12046	T	C	18q11.2	14.35
NW_001838466.2	13688	T	C	18q11.1	11.15
NW_001838466.2	13927	C	T	18q11.2	6.27
NW_001838466.2	13954	C	T	18p11.21	8.32
NW_001838466.2	14396	C	T	18p11.21	14.65
NW_001838466.2	15197	T	C	18q11.2	6.3
NW_001838466.2	15257	A	G	18p11.21	8.2
NW_001838466.2	16142	A	T	18q11.2	7.55
NW_001838466.2	16732	T	G	18q11.2	9.31
NW_001838466.2	17339	G	C	18q11.2	11.47
NW_001838466.2	17367	G	C	18q11.1	9.9
NW_001838466.2	18821	C	G	18p11.21	13.81
NW_001838466.2	19565	A	C	18p11.21	10.65
NW_001838466.2	21840	G	A	18q11.1	7.95
NW_001838466.2	22320	C	G	18p11.21	13.29
NW_001838466.2	23496	T	G	18q11.1	7.71
NW_001838466.2	23876	G	A	18p11.21	14.27
NW_001838466.2	24191	G	C	18p11.21	6.74
NW_001838466.2	24863	T	C	18p11.21	11.16
NW_001838466.2	26251	G	A	18p11.21	6.45
NW_001838466.2	26790	A	T	18p11.21	13.21
NW_001838466.2	27277	A	G	18q11.1	9.42
NW_001838466.2	28347	G	A	18p11.21	12.65
NW_001838466.2	28460	A	T	18p11.21	15.26
NW_001838466.2	29632	A	G	18p11.21	13.04
NW_001838466.2	31785	A	C	18q11.1	12.63
NW_001838467.2	26052264	C	T	18p11.21	8.9
NW_001838467.2	26052776	C	A/T	18q11.2	6.08
NW_001838467.2	26053165	C	G	18p11.21	6.91
NW_001838467.2	26054335	C	T	18p11.21	6.09
NW_001838469.1	12920205	C	T	18q22.1	9.28
NW_001838473.1	2008070	T	C	18q23	7.45
NW_001838473.1	2010176	C	T	18q23	9.29
NW_001838484.1	8219349	T	A	19p12	9.78
NW_001838489.1	22523	G	A	5p12	6.15
NW_001838662.2	2133	T	G	20q11.22	6.67
NW_001838662.2	3253	T	C	20p11.1-20q11.21	7.09
NW_001838662.2	15365	C	G	20q11.21	6.59
NW_001838662.2	15540	A	G	20q11.21	7.45
NW_001838662.2	15545	C	T	20q11.21	7.2
NW_001838662.2	15692	A	C	20q11.21	8.01
NW_001838662.2	15930	A	T	20q11.21	6.76

NW_001838662.2	15991	A	T	20q11.21	9.49
NW_001838662.2	16710	A	T	20q11.21	8.29
NW_001838662.2	16786	A	G	20q11.21	6.99
NW_001838662.2	16904	G	C/T	20q11.21	6.94
NW_001838662.2	17270	C	G	20q11.21	8.1
NW_001838662.2	18097	G	C	20q11.21	7.86
NW_001838662.2	18412	G	A	20q11.21	7.6
NW_001838662.2	18413	A	T	20q11.21	8.83
NW_001838662.2	18428	T	A/C	20q11.21	7.08
NW_001838662.2	18508	G	T	20q11.21	7.54
NW_001838662.2	18572	T	C	20q11.21	7.49
NW_001838662.2	18947	A	T	20q11.21	7.99
NW_001838662.2	20127	A	T	20q11.21	6.64
NW_001838662.2	20188	C	T	20q11.21	7.6
NW_001838662.2	23199	A	G	20q11.21	8.69
NW_001838662.2	23266	G	A	20q11.21	6
NW_001838662.2	25054	C	G	20q11.21	7.29
NW_001838662.2	25743	G	A	20q11.21	8.2
NW_001838662.2	31814	T	C	20q11.21	7.37
NW_001838662.2	32162	C	T	20q11.21	6.21
NW_001838662.2	33684	G	A	20q11.21	6.73
NW_001838662.2	34131	T	A	20q11.21	7.95
NW_001838662.2	37402	C	T	20q11.21	7.54
NW_001838662.2	38383	T	C	20q11.21	6.36
NW_001838662.2	42279	A	C	20q11.21	7.14
NW_001838662.2	42879	T	A	20q11.21	6.6
NW_001838662.2	45414	C	T	20q11.21	8.26
NW_001838662.2	45702	A	T	20q11.21	7.19
NW_001838662.2	46108	C	T	20q11.21	7.67
NW_001838662.2	46196	C	G	20q11.21	8.79
NW_001838662.2	46792	T	C	20q11.21	6.74
NW_001838662.2	47186	G	C/T	20q11.21	7.12
NW_001838662.2	47313	C	T	20q11.21	6.94
NW_001838662.2	48325	G	A	20p11.21	7
NW_001838662.2	48981	G	A	20q11.21	11.5
NW_001838662.2	51273	C	T	20q11.21	7.94
NW_001838662.2	51815	G	T	20q11.21	7.83
NW_001838662.2	52284	A	T	20q11.21	7.52
NW_001838662.2	52303	A	T	20q11.21	8.39
NW_001838662.2	54557	C	T	20q11.21	6.18
NW_001838662.2	56983	A	G	20q11.21	7.06
NW_001838662.2	61183	C	T	20q11.21	7.64
NW_001838662.2	62215	C	A	20q11.21	7.6
NW_001838663.1	6665	A	C	20p11.21	6.19
NW_001838663.1	7682	G	A	20p11.21	7.65
NW_001838663.1	7941	G	T	20p11.21	7
NW_001838663.1	7942	A	T	20p11.21	7.35
NW_001838663.1	9652	T	A	20q11.21	6.48
NW_001838663.1	19001	A	T	20p11.21	6.85
NW_001838663.1	20754	T	C	20p11.21	6.67
NW_001838663.1	25160	G	A/T	20p11.21	7.01
NW_001838663.1	26753	A	G	20p11.21	7.2
NW_001838663.1	28013	A	T	20p11.21	7.16

NW_001838663.1	29053	G	A	20q11.22	6.41
NW_001838663.1	31708	C	T	20p11.21	7.52
NW_001838663.1	32271	G	A	20p11.1	7.45
NW_001838663.1	32494	A	G	20q11.21	6.49
NW_001838663.1	33319	C	A	20p11.21	7.35
NW_001838663.1	34436	C	T	20p11.21	7.26
NW_001838663.1	34584	G	A	20p11.21	6.27
NW_001838663.1	34680	T	G	20p11.21	6.89
NW_001838663.1	37123	G	A	20q11.22	6.4
NW_001838663.1	43168	A	C	20q11.22	6.43
NW_001838663.1	44790	G	T	20p11.21	7.75
NW_001838663.1	44914	C	T	20q11.22	6.2
NW_001838663.1	47972	C	G	20p11.21	7.68
NW_001838663.1	48345	C	T	20p11.21	6.5
NW_001838663.1	48614	G	C	20p11.21	6.05
NW_001838663.1	50768	A	G	20p11.21	6.42
NW_001838663.1	51081	T	C	20p11.21	6.7
NW_001838663.1	291173	G	A	20q11.21	6.46
NW_001838664.2	5089118	T	C	20p11.21	6.53
NW_001838664.2	5091235	C	T	20p11.1	6.48
NW_001838664.2	5092505	C	A	20q11.22	8.18
NW_001838664.2	5118271	C	A	20q11.21	8.99
NW_001838664.2	5118272	A	T	20p11.21	9.8
NW_001838664.2	5118320	C	A	20q11.22	8.11
NW_001838666.1	17193428	C	T	20q13.2	7.35
NW_001838666.1	17210089	G	T	20q13.2	7.87
NW_001838666.1	17226586	T	C	20q13.2	6.03
NW_001838666.1	17227163	C	T	20q13.2	7.47
NW_001838706.1	19745370	C	T	21q22.11	7.01
NW_001838706.1	19745714	G	A	21q22.11	10.34
NW_001838706.1	19745723	T	A	21q22.11	9.16
NW_001838706.1	19745926	T	C	21q22.11	10.2
NW_001838706.1	19746973	G	T	21q22.11	7.14
NW_001838706.1	19746981	C	T	21q22.11	6.34
NW_001838706.1	19747125	G	A	21q22.11	8.16
NW_001838706.1	19747455	C	T	21q22.11	8.49
NW_001838706.1	19747861	A	G	21q22.11	8.37
NW_001838706.1	19748532	A	C	21q22.11	10.36
NW_001838706.1	19749232	T	C	21q22.11	6.31
NW_001838706.1	19749242	A	G	21q22.11	7.5
NW_001838706.1	19749562	G	A	21q22.11	7.5
NW_001838706.1	19749663	G	A	21q22.11	8.33
NW_001838706.1	19750772	C	T	21q22.11	9.26
NW_001838706.1	19751557	T	A	21q22.11	9.7
NW_001838706.1	19752044	T	C	21q22.11	8.28
NW_001838706.1	19753083	C	A	21q22.11	10.77
NW_001838706.1	19753144	C	T	21q22.11	6.95
NW_001838706.1	19753262	C	T	21q22.11	9.08
NW_001838706.1	19753356	T	C	21q22.11	8.54
NW_001838706.1	19753723	C	T	21q22.11	9.99
NW_001838735.2	1974345	C	A/T	22q11.1	7.24
NW_001838735.2	2140729	G	A	22q11.1	6.23
NW_001838740.2	614786	G	A	22q11.21	8.37

NW_001838745.1	19789085	G	C	22q13.2	11.01
NW_001838745.1	19789395	C	T	22q13.2	10.14
NW_001838745.1	19789866	T	C	22q13.2	13.23
NW_001838745.1	19790053	G	A	22q13.2	9.44
NW_001838745.1	19790452	T	C	22q13.2	9.16
NW_001840631.1	1187	T	G	9q21.11	6.55
NW_001840631.1	1209	A	C	9q21.11	6.35
NW_001841054.1	11434	T	G	17p11.2	6.1
NW_001841054.1	26561	G	A	17p11.2	6.59
NW_001841054.1	29942	T	A	17q11.2	6.36
NW_001841054.1	33789	G	A	17p11.2	7.18
NW_001841054.1	39842	A	T	17p11.2	6.59
NW_001841054.1	71510	A	G	17q11.2	6.98
NW_001841054.1	98885	G	A	17q11.2	6.62
NW_001841054.1	141981	C	T	17p11.2	6.87
NW_001841054.1	143422	T	C	17p11.2	6.96
NW_001841054.1	214965	G	A	17p11.2	6.46
NW_001841054.1	236056	C	A/T	17p11.2	6.09
NW_001841054.1	243063	G	T	17p11.2	7.77
NW_001841054.1	266750	C	T	17p11.2	6.89
NW_001840421.1	974	T	A	18q11.2	6.5
NW_001840421.1	1053	T	A	18q11.1	6.1
NW_001840421.1	1390	C	T	18q11.1	8.56
NW_001840421.1	1392	G	A	18q11.1	8.52
NW_001840421.1	1798	C	A/G	18q11.1	7.48
NW_001840421.1	1998	C	A	18q11.1	7.09
NW_001840421.1	2326	G	A	18q11.1	6.6
NW_001840421.1	2516	T	G	18p11.21	9.05
NW_001840421.1	3227	A	T	18p11.21	8.83
NW_001839575.1	43467	T	C	9q21.12	6.59
NW_001839704.1	30920	G	C	5q11.1	8.23
NW_001839704.1	31205	C	T	5p12	7.04
NW_001839704.1	79898	T	C	5p12	7.45
NW_001840755.1	553	C	T	7q22.1	10.53
NW_001840755.1	1139	T	G	7q22.1	6.45
NW_001840653.1	5099	G	T	22q11.1	7.25
NW_001840853.1	73	G	A	20q11.21	6.44
NW_001840853.1	490	G	C	20p11.21	6.76
NW_001840853.1	2198	C	G	20q11.22	7.9
NW_001840853.1	2541	G	A	20q11.21	8.43
NW_001840853.1	2700	G	A	20q11.21	8.08
NW_001840853.1	3416	A	T	20p11.21	6.07
NW_001840853.1	3833	C	T	20p11.21	6.9
NW_001840853.1	3845	C	A	20p11.21	7.54
NW_001840853.1	4846	T	C	20p11.21	8.59
NW_001840853.1	4894	C	G/T	20p11.21	9.74
NW_001840853.1	5104	G	C	20p11.21	8.44
NW_001840853.1	6319	A	G	20q11.21	6.35
NW_001840853.1	7633	C	G	20q11.21	6.44
NW_001840853.1	7849	C	G	20q11.21	6.66
NW_001840853.1	8043	A	C	20q11.21	6.29
NW_001840853.1	11193	G	C	20q11.21	6.14
NW_001840853.1	11750	C	A	20p11.21	6.06

NW_001840853.1	11840	A	G	20q11.22	6.08
NW_001840853.1	12563	A	G	20q11.21	6.64
NW_001840853.1	13373	A	G	20q11.21	6.52
NW_001840853.1	13819	A	T	20p11.21	6.61
NW_001840853.1	14395	T	G	20p11.21	7.12
NW_001840853.1	15992	A	G	20q11.21	7.34
NW_001840853.1	16326	G	C	20q11.21	6.69
NW_001840853.1	20398	T	C	20p11.21	8.32
NW_001840853.1	20465	A	G	20q11.21	7.57
NW_001840853.1	20530	A	G	20q11.21	6.2
NW_001840853.1	21054	A	G	20p11.21	7.8
NW_001840853.1	21974	C	T	20p11.21	8.22
NW_001840853.1	21984	T	C	20p11.21	6.05
NW_001840853.1	24609	G	A	20p11.21	7.03
NW_001840853.1	25595	G	T	20q11.21	7.17
NW_001840853.1	29726	T	C	20p11.21	7.17
NW_001840853.1	30593	G	A	20q11.21	7.31
NW_001840853.1	30601	A	G	20p11.21	7.16
NW_001840853.1	30766	C	T	20p11.21	7.01
NW_001840853.1	30899	G	C	20q11.22	7.18
NW_001840853.1	31896	C	T	20p11.21	7.25
NW_001840853.1	31977	A	G	20q11.21	6.08
NW_001840853.1	32310	C	A	20p11.21	7.88
NW_001840853.1	32589	T	A	20p11.21	6.7
NW_001840853.1	32601	A	C	20p11.21	7.34
NW_001840853.1	32960	G	T	20p11.21	6.65
NW_001840853.1	33053	G	T	20p11.21	7.63
NW_001840853.1	34416	G	A	20q11.21	7.09
NW_001840853.1	35490	G	A	20p11.21	7.46
NW_001840853.1	36825	T	C	20p11.21	7.09
NW_001840853.1	37773	T	C	20p11.21	7.86
NW_001840853.1	38913	T	C	20p11.21	8.26
NW_001840853.1	39222	A	G	20p11.21	8.19
NW_001840853.1	40394	G	C	20q11.21	6.2
NW_001840853.1	40586	G	C	20q11.22	6.85
NW_001840853.1	40851	A	C	20p11.21	7.85
NW_001840853.1	41046	A	T	20q11.21	8.14
NW_001840853.1	42698	C	A	20p11.21	7.33
NW_001840853.1	42864	G	C	20p11.21	7.84
NW_001840853.1	43284	G	A	20p11.21	7.74
NW_001840853.1	43614	C	A	20q11.22	7.58
NW_001840853.1	44548	A	C	20q11.22	11.75
NW_001840853.1	44614	C	A	20q11.21	11.66
NW_001840853.1	44944	G	C	20q11.22	11.01
NW_001840853.1	44953	C	T	20q11.21	7.79
NW_001840853.1	45261	G	T	20p11.21	6.98
NW_001840853.1	45562	G	A	20q11.21	9.4
NW_001840853.1	45617	G	A	20p11.21	7.33
NW_001840853.1	46141	C	T	20p11.21	8.08
NW_001840853.1	46504	T	A	20p11.21	8.1
NW_001840853.1	75803	A	T	20q11.22	7.35
NW_001840853.1	79105	A	G	20q11.22	9.12
NW_001840853.1	79390	T	C	20q11.21	12.63

NW_001840853.1	79672	C	G	20q11.21	8.04
NW_001840853.1	79968	T	C	20q11.22	12.95
NW_001840853.1	80952	T	G	20p11.21	11.5
NW_001840853.1	82249	A	C	20p11.21	7.4
NW_001840853.1	82268	C	T	20p11.21	6.51
NW_001840853.1	82460	A	G/T	20p11.21	6.51
NW_001840853.1	83090	G	C	20p11.21	8.23
NW_001840853.1	83365	C	G	20p11.21	7.5
NW_001840853.1	84587	T	C	20p11.21	12.32
NW_001840853.1	84932	A	C	20q11.21	8.54
NW_001840853.1	86025	C	A	20q11.21	7.98
NW_001840853.1	86169	G	T	20q11.21	8.61
NW_001840853.1	87456	A	C	20p11.21	11.89
NW_001840853.1	87548	A	G	20q11.21	13.4
NW_001840853.1	87965	G	A	20p11.21	7.12
NW_001840853.1	88385	A	G	20p11.21	6.95
NW_001840853.1	88410	G	T	20p11.21	8.16
NW_001840853.1	88737	A	G	20q11.21	13.42
NW_001840853.1	90484	G	A	20p11.1	7.68
NW_001840853.1	90788	T	C	20q11.21	6.46
NW_001840853.1	91325	T	A	20q11.21	6.23
NW_001840853.1	92395	T	C	20q11.21	8.97
NW_001840853.1	93139	A	G	20q11.21	7.82
NW_001840853.1	93285	A	G	20q11.22	7.44
NW_001840853.1	93640	G	A	20q11.21	7.87
NW_001840853.1	93711	C	A	20p11.21	12.23
NW_001840853.1	93860	A	G	20p11.21	7.57
NW_001840853.1	93965	A	G	20p11.21	7.51
NW_001840853.1	95655	G	A	20q11.22	6.76
NW_001840853.1	96027	G	A	20p11.21	7.13
NW_001840853.1	96899	T	C	20q11.22	11.64
NW_001840853.1	97115	T	C	20p11.21	9.77
NW_001840853.1	98163	A	G	20q11.23	6.45
NW_001840853.1	98194	C	T	20p11.21	7.82
NW_001840853.1	104936	T	A/C	20q11.21	6.11
NW_001840853.1	105671	G	A/C	20p11.21	7.7
NW_001840853.1	106051	C	T	20p11.21	6.81
NW_001840853.1	110744	C	G	20q11.21	6.14
NW_001840853.1	111851	T	A	20p11.21	7.73
NW_001840853.1	112948	G	C	20p11.21	6.74
NW_001840853.1	133322	C	T	20q11.21	6.43
NW_001840853.1	133352	C	A	20q11.22	6.09
NW_001840853.1	133378	T	C	20q11.21	7.26
NW_001840853.1	133780	T	C	20p11.21	6.03
NW_001840853.1	134042	C	A	20p11.21	7.16
NW_001840853.1	134048	A	G	20p11.21	7.16
NW_001840853.1	134311	G	T	20q11.21	6.81
NW_001840853.1	134379	T	G	20p11.21	8.17
NW_001840853.1	134380	T	G	20p11.21	8.14
NW_001840853.1	134430	T	A	20q11.22	7.39
NW_001840853.1	134589	T	C	20q11.22	8.1
NW_001840853.1	134707	T	A	20p11.21	8.02
NW_001840853.1	134800	T	G	20p11.21	6.97

NW_001840853.1	135129	G	A	20q11.21	9.13
NW_001840853.1	135811	A	G	20q11.22	6.24
NW_001840853.1	135889	T	C	20q11.22	8.07
NW_001840853.1	136391	C	T	20p11.21	6.56
NW_001840853.1	136412	G	A	20p11.21	6.36
NW_001840853.1	137141	T	G	20p11.21	8.19
NW_001840853.1	140468	G	A	20p11.21	8.78
NW_001840853.1	140613	T	A	20p11.21	7.21
NW_001840853.1	141482	T	C	20q11.21	10.41
NW_001840853.1	147523	A	C	20q11.21	6.34
NW_001840853.1	147947	T	C	20p11.21	6.38
NW_001840853.1	148732	C	A	20p11.21	7.88
NW_001840853.1	149850	C	G	20q11.21	9.3
NW_001840853.1	150036	C	A	20p11.21	13.17
NW_001840853.1	150042	G	A	20p11.21	7.32
NW_001840853.1	150099	T	C	20p11.21	7.66
NW_001840853.1	150139	G	A	20q11.21	8.32
NW_001840853.1	150253	G	A	20p11.21	7.85
NW_001840853.1	151866	A	G	20p11.21	7.27
NW_001840853.1	152086	A	T	20q11.21	6.51
NW_001840853.1	152341	C	T	20q11.21	7.76
NW_001840853.1	153327	A	G	20p11.21	7.4
NW_001840853.1	153474	G	A	20q11.21	7.69
NW_001840853.1	153796	C	A	20p11.21	8.14
NW_001840853.1	154155	C	T	20q11.22	6.77
NW_001840853.1	156230	C	G	20p11.21	7.97
NW_001840853.1	156655	C	T	20p11.21	13.12
NW_001840853.1	156831	A	G	20q11.22	10.16
NW_001840853.1	157174	C	T	20p11.21	6.88
NW_001840853.1	157283	T	G	20q11.22	7.98
NW_001840853.1	157785	C	G	20p11.21	13.38
NW_001840853.1	158740	A	G	20p11.21	6.45
NW_001840853.1	159349	A	C	20p11.21	7.41
NW_001840853.1	167501	C	A	20q11.21	6.65
NW_001840853.1	167968	A	C	20q11.21	6.34
NW_001840853.1	168196	A	C/T	20q11.21	6.99
NW_001840853.1	168734	C	G/T	20p11.21	7.58
NW_001840853.1	169964	G	A/C	20q11.21	6.71
NW_001840853.1	171565	C	T	20p11.21	6.84
NW_001840853.1	172267	A	C	20p11.21	6.42
NW_001840853.1	172783	A	G	20p11.21	10.64
NW_001840853.1	172797	C	A	20q11.22	6.76
NW_001840853.1	173077	T	C	20p11.21	7.22
NW_001840853.1	173850	C	T	20q11.21	6.9
NW_001840853.1	175388	A	T	20q11.21	10.45
NW_001840853.1	175524	A	G	20q11.21	9.93
NW_001840853.1	175566	C	T	20q11.21	8.08
NW_001840853.1	175576	C	T	20q11.22	7.72
NW_001840853.1	175626	G	T	20q11.21	7.2
NW_001840853.1	175736	C	T	20q11.22	7.07
NW_001840853.1	175737	A	G	20q11.22	13.45
NW_001840853.1	177639	A	T	20p11.21	7.7
NW_001840853.1	178138	C	T	20p11.21	8.38

NW_001840853.1	178969	G	C	20p11.21	8.59
NW_001840853.1	178993	G	T	20p11.21	6.7
NW_001840853.1	179228	A	G	20p11.21	13.43
NW_001840853.1	182083	T	G	20p11.1	8.07
NW_001840853.1	182665	A	G	20q11.21	7.69
NW_001840853.1	182991	T	G	20p11.21	12.14
NW_001840853.1	184207	A	G	20q11.21	6.49
NW_001840853.1	184336	A	G	20q11.21	12.56
NW_001840853.1	184544	A	G	20p11.21	7.16
NW_001840853.1	185126	C	T	20p11.21	6.39
NW_001840853.1	185836	G	T	20q11.21	6.46
NW_001840853.1	186317	T	G	20q11.21	7.08
NW_001840853.1	186353	G	A	20p11.21	6.27
NW_001840853.1	187340	C	T	20q11.22	6.51
NW_001840853.1	187500	T	A	20p11.21	6.29
NW_001840853.1	188526	A	G	20p11.21	8.13
NW_001840853.1	188769	G	A	20p11.21	8.03
NW_001840853.1	191154	C	T	20p11.21	7.81
NW_001840853.1	191402	T	C	20p11.21	10.41
NW_001840853.1	193096	A	C	20q11.21	12.87
NW_001840853.1	193194	A	G	20p11.21	11.87
NW_001840853.1	194283	G	A	20p11.21	7.83
NW_001840853.1	194551	A	G	20p11.21	12.75
NW_001840853.1	195032	G	A	20p11.21	7.16
NW_001840853.1	195282	A	T	20p11.21	7.76
NW_001840853.1	195685	G	A	20q11.22	6.44
NW_001840853.1	196080	T	C	20q11.22	14.57
NW_001840853.1	196690	T	A	20q11.22	6.38
NW_001840853.1	197169	T	C	20p11.21	6.63
NW_001840853.1	197431	T	G	20p11.21	7.38
NW_001840853.1	198156	A	C/T	20q11.21	13.61
NW_001840853.1	198999	A	G	20q11.21	9.57
NW_001840853.1	200240	A	C	20q11.22	6.45
NW_001840853.1	200284	T	G	20p11.21	7.39
NW_001840853.1	200383	A	T	20p11.21	7.38
NW_001840853.1	200756	G	A	20p11.21	7.18
NW_001840853.1	200797	C	G/T	20p11.21	6.31
NW_001840853.1	201223	A	G	20p11.21	8.1
NW_001840853.1	201391	A	G	20q11.21	10.78
NW_001840853.1	202078	C	G	20q11.21	9.54
NW_001840853.1	202760	T	C	20p11.21	10.43
NW_001840853.1	203419	G	A	20q11.21	7.21
NW_001840853.1	204316	G	A	20q11.21	7.73
NW_001840853.1	205059	G	T	20q11.21	6.35
NW_001840853.1	206195	C	T	20p11.21	7.84
NW_001840853.1	206415	T	C	20q11.21	7.32
NW_001840853.1	206574	C	T	20q11.21	8.07
NW_001840853.1	207412	C	T	20q11.22	13.33
NW_001840853.1	207466	G	A	20p11.21	7.77
NW_001840853.1	207742	G	A	20p11.21	7.32
NW_001840853.1	207936	T	G	20p11.21	8.11
NW_001840853.1	210685	A	G	20q11.22	7.65
NW_001840853.1	212739	A	G	20q11.22	6.41

NW_001840853.1	213490	G	A	20p11.21	7.65
NW_001840853.1	213841	A	G	20p11.21	7.66
NW_001840853.1	214571	A	G	20p11.21	6.23
NW_001840853.1	215430	A	G	20q11.21	7.34
NW_001840853.1	216652	A	C	20p11.21	7.49
NW_001840853.1	216678	C	T	20q11.21	7.39
NW_001840853.1	217533	T	C	20p11.21	6.59
NW_001840853.1	218221	A	G	20q11.22	6.84
NW_001840853.1	218939	C	A	20p11.21	6.08
NW_001840853.1	219406	T	C	20q11.21	7.64
NW_001840853.1	219409	T	C	20q11.22	13.21
NW_001840853.1	220188	T	A	20p11.21	7.01
NW_001840853.1	221731	A	G	20p11.21	6.89
NW_001840853.1	222315	T	C	20q11.22	6.15
NW_001840853.1	222320	T	C	20p11.21	6.52
NW_001840853.1	222459	A	C	20p11.21	6.71
NW_001840853.1	222469	T	G	20q11.21	6.3
NW_001840853.1	222653	C	T	20p11.21	6.96
NW_001840853.1	223452	C	G	20p11.21	7.58
NW_001840853.1	223488	A	G	20q11.21	6.78
NW_001840853.1	224831	T	A/G	20p11.21	6.19
NW_001840853.1	224907	G	A	20p11.21	7.11
NW_001840853.1	287155	G	T	20q11.21	7.08
NW_001840853.1	289173	T	C	20q11.21	6.04
NW_001840853.1	290671	A	G	20q11.21	10.76
NW_001840853.1	291043	C	T	20p11.21	8.61
NW_001840853.1	292586	C	T	20q11.21	7.92
NW_001840853.1	293073	T	A	20p11.21	7.13
NW_001840853.1	293434	C	T	20q11.22	7.02
NW_001840853.1	295846	A	T	20p11.21	8.21
NW_001840853.1	297353	T	C	20q11.21	6.94
NW_001840853.1	299321	G	C	20q11.22	8.46
NW_001840853.1	299392	C	T	20q11.21	12.32
NW_001840853.1	299578	T	G	20p11.21	7.03
NW_001840853.1	299660	C	T	20q11.22	11.79
NW_001840853.1	299868	T	C	20p11.21	6.67
NW_001840853.1	300908	T	C	20p11.21	6.13
NW_001840853.1	302824	C	T	20q11.21	7.26
NW_001840853.1	303603	A	G	20p11.21	7.17
NW_001840853.1	304593	A	C	20p11.21	7.92
NW_001840853.1	304704	G	A	20q11.21	8.35
NW_001840853.1	304815	G	A	20q11.21	13.21
NW_001840853.1	304836	A	G	20p11.21	6.58
NW_001840853.1	304924	C	A	20p11.21	7.19
NW_001840853.1	305400	T	C	20p11.21	7.31
NW_001840853.1	308107	C	T	20p11.21	7.56
NW_001840853.1	308431	T	A	20q11.21	6.08
NW_001840853.1	311669	A	C	20p11.21	7.77
NW_001840853.1	311999	T	G	20p11.21	7.1
NW_001840853.1	313262	C	G	20p11.21	6.98
NW_001840853.1	313266	G	A	20q11.21	7.5
NW_001840853.1	313891	T	C	20p11.21	6.57
NW_001840853.1	315886	C	G	20q11.21	7.75

NW_001840853.1	316450	A	C	20q11.21	7.2
NW_001840853.1	316524	T	A	20p11.21	6.39
NW_001840853.1	316754	T	C	20p11.21	12.36
NW_001840853.1	316798	C	A	20p11.21	8.14
NW_001840853.1	317382	C	T	20p11.21	6.37
NW_001840853.1	317610	T	C	20q11.22	7.9
NW_001840853.1	318042	A	G	20p11.21	7.18
NW_001840853.1	318119	G	A	20p11.21	6.28
NW_001840853.1	318606	T	C	20q11.22	9.69
NW_001840853.1	319747	T	C	20q11.21	9.69
NW_001840853.1	319789	G	A/T	20p11.21	7.35
NW_001840853.1	320250	A	T	20p11.21	12.51
NW_001840853.1	325371	T	C	20q11.21	12.3
NW_001840853.1	325557	C	T	20p11.21	7.08
NW_001840853.1	326460	A	G	20p11.21	6.89
NW_001840853.1	334259	C	T	20q11.21	6.44
NW_001840853.1	334960	G	A	20q11.21	7.05
NW_001840853.1	338205	C	T	20p11.21	11.55
NW_001840853.1	338549	G	A	20q11.21	6.98
NW_001840853.1	338872	C	G	20q11.21	11.04
NW_001840853.1	338904	C	T	20q11.21	7.21
NW_001840853.1	339700	A	G	20q11.21	7.04
NW_001840853.1	340834	G	T	20q11.21	6.11
NW_001840853.1	341577	G	A	20p11.21	8.3
NW_001840853.1	341769	C	T	20q11.21	6.41
NW_001840853.1	343516	C	G	20p11.1	6.08
NW_001840853.1	345255	A	G	20q11.21	8.79
NW_001840853.1	347192	G	T	20p11.21	7.25
NW_001840853.1	348312	T	A	20p11.21	7.08
NW_001840853.1	348353	G	A	20q11.21	8.02
NW_001840853.1	350714	C	T	20p11.21	7.61
NW_001840853.1	351254	A	G	20q11.22	7.07
NW_001840853.1	351329	C	G	20p11.21	6.86
NW_001840853.1	352138	C	T	20p11.1	6.54
NW_001840853.1	355559	T	A	20q11.21	7.95
NW_001840853.1	357467	C	A	20p11.21	7.45
NW_001840853.1	361222	T	C	20q11.22	10.79
NW_001840853.1	362453	C	A	20p11.21	7.08
NW_001840553.1	595	G	A/C/T	12q14.2	6.59
NW_001841116.1	1714	A	G	19p12	8.36
NW_001841116.1	1737	G	A	19p12	7.67
NW_001841116.1	3368	C	T	5p12	8.96
NW_001841116.1	6083	G	T	5q11.2	7.28
NW_001841116.1	6099	C	A/T	5p12	7.47
NW_001841116.1	6921	T	C	5q11.2	6.93
NW_001841116.1	6971	A	T	5p12	7.5
NW_001841116.1	26658	T	A	19p12	6.8
NW_001841116.1	29278	T	A	19p12	6.25
NW_001840369.1	133	C	G	20q11.22	6.7
NW_001840369.1	480	G	T	20q11.21	6.34
NW_001840369.1	481	G	T	20q11.21	6.27
NW_001840369.1	770	T	A	20q11.21	6.9
NW_001840369.1	902	T	C	20p11.21	7.34

NW_001840369.1	1592	A	G	20p11.21	6.68
NW_001840369.1	1653	G	A	20q11.21	6.01
NW_001840369.1	2293	T	G	20p11.21	6.18
NW_001840369.1	11198	A	G	20p11.21	6.58
NW_001840125.1	996	C	T	20q11.22	10.19
NW_001840125.1	1040	A	T	20q11.21	7.69
NW_001840125.1	1302	G	A	20q11.21	6.97
NW_001840125.1	1630	T	A	20p11.21	7.54
NW_001840125.1	1835	C	A	20q11.21	7.97
NW_001840125.1	1919	T	A/G	20q11.22	6.24
NW_001840125.1	2035	T	A	20q11.21	6.28
NW_001840125.1	10246	A	T	20q11.22	8.37
NW_001841084.1	783	T	C	1q21.1	6.75
NW_001840527.1	1359	A	G	10p11.21	6.37
NW_001839881.1	10204	C	T	20q11.21	7.4
NW_001841146.1	238579	A	G	1q21.1	6.27
NW_001842331.1	5470	T	C	2q11.2	9.99
NW_001842331.1	5562	A	G	2p11.2	7.31
NW_001839726.1	2376	G	T	16q12.1	9.08
NW_001839726.1	12752	T	G	16q12.1	9.93
NW_001839466.1	4694	C	T	4p16.3	10.75
NW_001839466.1	4774	G	A	4p16.3	10.71
NW_001839466.1	5458	T	C	4p16.3	8.43
NW_001839466.1	6103	C	T	4p16.3	6.72
NW_001839466.1	6769	T	C	4p16.3	6.28
NW_001839279.1	13674	G	T	19p12	6.6
NW_001839960.1	1848	G	A	18q11.1	8.74
NW_001839960.1	3600	C	T	18q11.1	10.07
NW_001839960.1	3699	A	T	18q11.1	7.66
NW_001839960.1	3714	G	A	18q11.1	9.02
NW_001839960.1	4130	A	G	18q11.1	8.06
NW_001839960.1	4433	A	G	18q11.1	8.48
NW_001839960.1	4585	A	G	18p11.21	12.53
NW_001839960.1	4624	C	G/T	18q11.2	7.39
NW_001839960.1	4836	G	A	18p11.21	11.11
NW_001839960.1	5239	G	T	18q11.1	7.74
NW_001839960.1	5748	A	C/T	18q11.2	9.49
NW_001839960.1	6108	A	G	18q11.1	6.78
NW_001839960.1	6126	C	T	18p11.21	6.92
NW_001839960.1	6603	G	A	18q11.2	6.05
NW_001839960.1	6998	G	T	18p11.21	6.74
NW_001839960.1	7037	C	G	18q11.1	7.14
NW_001839960.1	16023	T	G	18p11.21	6.03
NW_001839960.1	16525	G	A	18p11.21	7.9
NW_001840958.1	1673	C	T	1q21.1	8.23
NW_001840180.1	2735	T	A	1q21.1	8.83
NW_001839641.1	1116	G	A	2q11.2	6.7
NW_001839641.1	1646	C	T	2q11.2	6.99
NW_001839641.1	2321	G	A	2q11.2	6.4
NW_001839641.1	2416	G	A	2q11.2	7.47
NW_001839641.1	2471	G	A	2q11.2	7.02
NW_001839641.1	2825	T	C	2q11.2	6.78
NW_001839641.1	4218	C	T	2q11.2	6.56

NW_001839641.1	4313	T	G	2q11.2	8.87
NW_001839641.1	4438	C	T	2q11.2	9.35
NW_001839641.1	4793	T	A	2p11.2	7.01
NW_001839641.1	5196	A	C	2p11.2	11.55
NW_001839641.1	6585	G	C	2q11.1	9.15
NW_001839641.1	7509	C	T	2q11.2	7.81
NW_001839641.1	7765	T	C	2q11.1	10.42
NW_001839641.1	8260	C	T	2q11.1	8.17
NW_001839641.1	9059	G	A	2q11.2	7.49
NW_001839641.1	10282	A	G	2q11.1	6.77
NW_001839641.1	10424	A	G	2q11.2	7.67
NW_001839641.1	11834	C	A	2p11.2	9.84
NW_001839641.1	11897	T	C	2p11.2	6.81
NW_001839641.1	12386	G	A	2q11.2	7.58
NW_001839641.1	12527	G	A	2p11.2	7.2
NW_001840308.1	1149	T	C	9p13.1	6.34
NW_001841138.1	620	C	T	20p11.21	8.12
NW_001841138.1	1337	A	G	20q11.21	6.08
NW_001841138.1	3375	T	G	20p11.21	8.28
NW_001841138.1	6490	A	G	20p11.21	6.67
NW_001841138.1	7266	T	C	20p11.21	6.57
NW_001841138.1	8155	A	G	20p11.21	7.22
NW_001841138.1	15128	C	A	20q11.21	8.35
NW_001841138.1	15475	C	A	20p11.21	7.03
NW_001841138.1	15842	A	G	20q11.21	11.93
NW_001841138.1	16046	G	A	20q11.22	6.18
NW_001841138.1	16176	A	C	20q11.21	12.64
NW_001841138.1	16315	C	A	20p11.21	10.95
NW_001841138.1	17560	A	C	20p11.21	13.72
NW_001841138.1	17636	A	G	20p11.21	9.12
NW_001841138.1	17912	G	T	20p11.21	6.62
NW_001841138.1	20189	G	C	20p11.21	11.71
NW_001841138.1	20648	A	G	20q11.21	11.12
NW_001841138.1	25149	C	T	20p11.21	7.12
NW_001841138.1	28632	C	T	20p11.21	7.18
NW_001841138.1	31856	T	C	20p11.21	7.34
NW_001841138.1	32185	C	A	20q11.22	6.08
NW_001841138.1	32394	G	T	20p11.21	7.32
NW_001841138.1	34642	T	G	20q11.21-20q11.22	6.33
NW_001841138.1	34860	C	A	20p11.21	7.34
NW_001841138.1	39609	A	G	20p11.21	6.5
NW_001841138.1	43716	C	T	20p11.21	6.94
NW_001841138.1	44926	G	A	20p11.21	7.84
NW_001841138.1	50117	G	A	20p11.21	8.87
NW_001841138.1	60434	T	C	20p11.21	8.19
NW_001841138.1	74517	T	C	20p11.21	7.17
NW_001841138.1	76865	A	T	20q11.22	6.59
NW_001841138.1	78256	G	A	20p11.21	6.16
NW_001841138.1	83263	A	G	20p11.21	7.14
NW_001841138.1	85043	C	T	20p11.1	6.14
NW_001841138.1	99922	G	A	20q11.22	6.4
NW_001841138.1	104233	A	G	20p11.21	7.2
NW_001841138.1	105469	G	T	20q11.22	8.67

NW_001841138.1	109680	G	A	20p11.21	6.63
NW_001841138.1	127863	G	A	20p11.21	6.54
NW_001841138.1	130578	T	C	20p11.21	6.21
NW_001841138.1	134837	A	C	20p11.21	8.05
NW_001841138.1	139913	A	G	20p11.21	7.8
NW_001841138.1	139981	T	C	20q11.22	7.29
NW_001841138.1	153905	C	T	20p11.21	6.54
NW_001841138.1	160280	G	A	20p11.21	7.86
NW_001841138.1	164467	C	A	20p11.21	8.83
NW_001841138.1	170125	T	C	20p11.21	7.14
NW_001841138.1	170649	A	G	20p11.21	6.86
NW_001841138.1	174706	A	G	20p11.21	6.4
NW_001841138.1	177520	T	C	20p11.21	8.13
NW_001841138.1	179758	G	A/T	20p11.21	6.99
NW_001841138.1	194712	T	C	20p11.21	6.15
NW_001841138.1	200429	A	G	20p11.21	6.79
NW_001841138.1	201557	A	G	20p11.21	6.5
NW_001841138.1	217499	A	T	20p11.21	8
NW_001841138.1	221366	A	T	20p11.21	7.73
NW_001841138.1	222078	A	G/T	20q11.21	8.82
NW_001841138.1	225679	A	G	20p11.21	6.94
NW_001841138.1	227241	C	G	20q11.21-20q11.22	7.69
NW_001841138.1	228960	G	A	20p11.21	7.42
NW_001841138.1	233138	T	C	20p11.21	8.03
NW_001841138.1	235331	A	G	20q11.21	7.52
NW_001841138.1	237015	G	C	20p11.21	8.64
NW_001841138.1	238727	A	C	20q11.21	6.29
NW_001841138.1	239529	C	T	20p11.21	6.37
NW_001841138.1	240532	G	A	20p11.1	8.59
NW_001841138.1	241465	C	G	20p11.21	8.12
NW_001841138.1	252288	A	G	20p11.21	7.32
NW_001841138.1	257411	T	G	20p11.21	6.57
NW_001841138.1	257482	C	G	20p11.21	7.38
NW_001841138.1	259044	G	A	20q11.21	6.76
NW_001841138.1	260007	T	C	20p11.21	6.98
NW_001841138.1	260563	A	C	20p11.21	6.37
NW_001841138.1	263044	G	A	20p11.21	9.95
NW_001841138.1	265132	C	T	20p11.21	7.92
NW_001841138.1	265279	C	G	20p11.21	8.51
NW_001841138.1	266947	A	T	20p11.21	6.34
NW_001841138.1	268663	A	G	20p11.21	6.1
NW_001841138.1	270783	T	C	20q11.21	7.5
NW_001841138.1	270853	G	A	20p11.21	6.44
NW_001841138.1	273439	C	A	20p11.21	6.34
NW_001841138.1	274115	A	G	20p11.21	8.04
NW_001841138.1	279867	T	C	20q11.21	6.37
NW_001841138.1	282845	G	A	20p11.21	8.46
NW_001841138.1	283062	T	C	20q11.21	7.27
NW_001841138.1	283260	C	T	20p11.21	8.6
NW_001841138.1	283433	A	T	20p11.21	8.07
NW_001841138.1	284543	T	C	20p11.21	7.56
NW_001841138.1	286114	C	T	20p11.21	7.16
NW_001841138.1	290618	C	G	20p11.21	6.24

NW_001841138.1	291063	T	C	20p11.21	6.07
NW_001841138.1	292503	T	G	20p11.21	6.36
NW_001841138.1	293374	A	G	20p11.21	6.19
NW_001841138.1	294211	G	A	20p11.21	7.27
NW_001841138.1	295615	T	C	20p11.21	8.64
NW_001841138.1	297364	C	G	20q11.21	7.65
NW_001841138.1	299283	T	C	20p11.21	6.39
NW_001841138.1	299962	C	A	20p11.21	8.84
NW_001841138.1	302166	T	C	20p11.21	6.74
NW_001841138.1	304094	C	A/T	20q11.21	9.22
NW_001841138.1	311084	A	G	20p11.21	6.59
NW_001841138.1	313706	G	A	20q11.22	7.09
NW_001841138.1	318043	A	C	20p11.21	8.86
NW_001841138.1	319366	C	G	20p11.21	8.22
NW_001841138.1	319865	C	T	20p11.21	7.81
NW_001841138.1	320194	T	C	20q11.21	7.62
NW_001841138.1	321165	A	G	20q11.21	8.02
NW_001841138.1	322642	T	C	20q11.21	7.14
NW_001841138.1	323092	T	C	20p11.21	6.37
NW_001841138.1	325461	T	G	20p11.21	6.91
NW_001841138.1	325677	T	C	20p11.21	6.08
NW_001841138.1	327171	T	A	20p11.21	8.71
NW_001841138.1	327906	C	G	20q11.21	6.75
NW_001841138.1	330186	C	A	20p11.21	7.25
NW_001841138.1	336488	C	T	20p11.21	6.94
NW_001841138.1	340280	G	A	20p11.21	7.27
NW_001841138.1	340973	A	G	20p11.21	7.05
NW_001841138.1	342391	G	T	20q11.21	6.23
NW_001841138.1	346113	C	T	20q11.22	6.8
NW_001841138.1	348597	C	T	20p11.21	8.52
NW_001841138.1	349717	A	G	20p11.21	7.36
NW_001841138.1	349743	G	A	20p11.21	6.97
NW_001841138.1	365214	A	G	20q11.21	8.4
NW_001841138.1	367511	A	G	20p11.21	7.34
NW_001841138.1	368420	T	A	20p11.21	6.38
NW_001841138.1	368819	G	A	20p11.21	7.85
NW_001841138.1	372260	T	C	20q11.21	8.41
NW_001841138.1	372735	A	G	20p11.21	6.2
NW_001841138.1	373489	C	G	20p11.21	7.51
NW_001841138.1	375569	A	G	20q11.21	8.09
NW_001841138.1	384577	A	C	20p11.21	11.09
NW_001841138.1	384611	T	C	20p11.21	11.49
NW_001841138.1	386913	T	C	20p11.21	8.33
NW_001841138.1	387136	A	G	20p11.21	9.28
NW_001841138.1	389342	T	C	20p11.21	9.31
NW_001841138.1	390489	C	G	20p11.21	7.41
NW_001841138.1	390687	C	T	20p11.21	6.27
NW_001841138.1	393489	G	T	20p11.21	8.21
NW_001841138.1	395445	C	T	20p11.21	7.07
NW_001841138.1	396073	T	C	20p11.21	7.39
NW_001841138.1	396645	A	G	20p11.21	8.82
NW_001841138.1	397178	T	G	20p11.21	8.7
NW_001841138.1	400336	G	T	20p11.21	8.04

NW_001841138.1	400820	T	C	20p11.21	7.96
NW_001841138.1	402423	C	T	20p11.21	6.7
NW_001841138.1	406255	T	C	20q11.21	8.04
NW_001841138.1	406811	T	G	20p11.21	6.25
NW_001841138.1	410487	G	A	20p11.21	6.86
NW_001841138.1	417474	A	G	20p11.21	10.11
NW_001841138.1	417688	T	C	20p11.21	10.33
NW_001841138.1	417714	G	A	20p11.21	9.62
NW_001841138.1	418353	G	A	20q11.21	7.09
NW_001841138.1	418521	A	T	20p11.21	6.92
NW_001841138.1	419201	A	T	20p11.21	8.94
NW_001841138.1	419895	T	C	20p11.21	9.09
NW_001841138.1	420588	C	G	20p11.21	6.97
NW_001841138.1	420886	G	A	20p11.21	7.26
NW_001841138.1	423958	T	G	20p11.21	8.47
NW_001841138.1	424964	C	T	20p11.21	7.43
NW_001841138.1	425786	T	A	20p11.21	10.17
NW_001841138.1	428773	T	C	20q11.21	8.09
NW_001841138.1	431154	G	A	20p11.21	8.64
NW_001841138.1	432263	A	G	20p11.21	6.2
NW_001841138.1	433674	A	G	20p11.21	6.15
NW_001841138.1	439418	C	A	20q11.21	8.16
NW_001841138.1	439852	T	C	20p11.21	8.22
NW_001841138.1	439866	A	G	20p11.21	7.65
NW_001841138.1	441576	G	A	20p11.21	9.34
NW_001841138.1	443064	C	T	20p11.21	9.75
NW_001841138.1	443456	G	A	20q11.21	9.65
NW_001841138.1	452955	A	G	20p11.21	6.44
NW_001841138.1	453086	C	A	20p11.21	6.42
NW_001841138.1	453643	C	T	20p11.21	6.44
NW_001841138.1	458432	T	A	20q11.21	7.26
NW_001841138.1	459467	G	A	20p11.21	6.07
NW_001841138.1	460021	G	A	20p11.21	6.06
NW_001841138.1	463199	T	C	20p11.21	8.39
NW_001841138.1	466272	C	G	20p11.21	9.36
NW_001841138.1	467381	A	G	20p11.21	6.83
NW_001841138.1	469885	G	T	20q11.21	10.67
NW_001841138.1	470476	A	G	20p11.21	7.05
NW_001841138.1	471072	G	A	20p11.21	9.76
NW_001841138.1	472690	T	C	20q11.21	6.17
NW_001841138.1	474206	T	C	20q11.21	8.3
NW_001841138.1	475288	A	T	20p11.21	6.95
NW_001841138.1	475817	T	C	20p11.21	6.35
NW_001841138.1	477374	T	C	20q11.21	9.82
NW_001841138.1	479702	C	T	20q11.21	6.82
NW_001841138.1	480498	T	A	20p11.21	8.46
NW_001841138.1	481593	A	G	20p11.21	6.75
NW_001841138.1	482119	G	T	20p11.1	7.68
NW_001841138.1	483367	T	A	20p11.21	6.74
NW_001841138.1	483479	A	G	20p11.21	6.05
NW_001841138.1	487955	G	T	20p11.1	10.03
NW_001841138.1	490038	T	C	20p11.21	7.08
NW_001841138.1	490600	G	A	20p11.21	7.18

NW_001841138.1	494646	T	A	20p11.21	7.3
NW_001841138.1	496905	G	C	20q11.21	7.91
NW_001841138.1	515954	C	G	20p11.21	8.57
NW_001841138.1	516796	A	C	20p11.21	8.51
NW_001841138.1	518104	T	C	20p11.21	6.28
NW_001841138.1	518105	T	C	20p11.21	6.28
NW_001841138.1	601968	C	T	20p11.21	6.31
NW_001841138.1	655554	G	A	20p11.1	8.02
NW_001841138.1	659464	C	T	20q11.23	7.34
NW_001841138.1	663391	C	T	20q11.23	7.35
NW_001841138.1	667177	C	G	20q11.23	6.37
NW_001841138.1	678417	T	C	20q11.21	8.05
NW_001841138.1	679073	T	C	20p11.21	8.57
NW_001841138.1	681714	C	A/T	20p11.21	7.01
NW_001841138.1	684927	A	T	20q11.22	7.44
NW_001841138.1	685516	T	A	20q11.21	7
NW_001840272.1	59465	T	C	5p12	8.11
NW_001840272.1	59802	G	T	5p12	8.45
NW_001840272.1	59894	C	A	5p12	7.11
NW_001840272.1	68401	C	A	5p12	6.09
NW_001840272.1	78574	T	C	19q12	8.31
NW_001840766.1	550	C	G	20p11.1	6.47
NW_001840766.1	1168	T	C	20p11.1	6.31
NW_001839547.1	38200	C	A	20p11.21	6.11
NW_001839547.1	44259	C	T	20q11.22	6.36
NW_001839547.1	51871	G	A	20p11.21	6.92
NW_001839547.1	53045	G	A	20p11.1	8.38
NW_001840567.1	1090	A	T	10p11.21	7.01
NW_001839257.1	170	G	T	20q11.21	9.15
NW_001839257.1	4940	C	T	20q11.21	10.74
NW_001839257.1	5793	T	C	20q11.21	7.95
NW_001839257.1	6528	C	A	20p11.21	7.9
NW_001839257.1	36691	C	T	20q11.21	6.61
NW_001839257.1	50249	G	A	20q11.21	11.21
NW_001839257.1	80709	C	T	20q11.21	6.37
NW_001839257.1	96503	A	G	20q11.22	8.54
NW_001839257.1	178710	G	A	20q11.21	8.23
NW_001839257.1	178754	A	C	20q11.21	9.96
NW_001839257.1	179445	C	T	20q11.22	6.95
NW_001839257.1	185138	T	C	20q11.22	8.15
NW_001839257.1	185163	G	T	20q11.22	7.8
NW_001839257.1	185585	A	G	20q11.21	8.09
NW_001839257.1	186217	A	G	20p11.21	7.79
NW_001839257.1	190051	T	G	20q11.21	9.93
NW_001839257.1	190708	G	A	20q11.21	6.1
NW_001839257.1	191129	G	C	20q11.21	9.28
NW_001839257.1	192603	A	G	20q11.21	6.56
NW_001839257.1	192958	C	G	20q11.21	9.19
NW_001839257.1	194621	C	T	20p11.21	9.89
NW_001839257.1	195205	T	C	20q11.21	6.51
NW_001839257.1	195559	G	A	20q11.21	10.52
NW_001839257.1	196441	C	G	20q11.22	9.48
NW_001839257.1	196554	G	T	20q11.21	8.33

NW_001839257.1	197156	A	G	20q11.21	8.51
NW_001839257.1	198308	A	T	20q11.21	9.43
NW_001839257.1	199300	C	T	20q11.22	11.18
NW_001839257.1	200306	G	A	20p11.21	9.1
NW_001839257.1	202211	G	C	20q11.21	10.39
NW_001839257.1	202250	A	C	20q11.21	8.46
NW_001839257.1	202319	G	A	20q11.21	6.81
NW_001839257.1	203173	C	T	20q11.21	9.76
NW_001839257.1	203707	C	T	20q11.22	11.17
NW_001839257.1	204845	C	T	20q11.21	11.92
NW_001839257.1	205012	T	C	20q11.21	9.77
NW_001839257.1	205386	G	T	20q11.21	10.02
NW_001839257.1	206228	A	G	20q11.21	8.36
NW_001839257.1	207355	C	G	20q11.21	7.78
NW_001839257.1	208172	T	C	20q11.22	7.98
NW_001839257.1	209309	A	T	20q11.21	7.5
NW_001839257.1	210373	T	C	20q11.21	17.96
NW_001839257.1	210855	C	T	20q11.21	7.82
NW_001839257.1	211327	G	T	20q11.21	11.91
NW_001839257.1	211687	C	A	20q11.21	9.82
NW_001839257.1	211702	G	A	20q11.21	9.26
NW_001839257.1	211843	G	A	20p11.21	9.77
NW_001839257.1	212493	A	G	20q11.21	9.14
NW_001839257.1	212836	G	C	20q11.21	8.39
NW_001839257.1	214390	C	T	20q11.21	10.33
NW_001839257.1	214541	C	A/G	20q11.21	9.68
NW_001839257.1	214762	T	C	20q11.21	8.77
NW_001839257.1	214782	A	T	20q11.21	7.42
NW_001839257.1	214798	C	A	20p11.21	8.17
NW_001839257.1	215208	C	A	20q11.21	8.56
NW_001839257.1	219007	G	A	20q11.21	9.76
NW_001839257.1	219024	T	G	20q11.21	9.25
NW_001839257.1	219425	T	C	20q11.21	11.09
NW_001839257.1	219561	T	A	20q11.21	7.03
NW_001839257.1	219564	G	A	20q11.21	7.21
NW_001839257.1	219566	T	C	20q11.21	7.29
NW_001839257.1	219701	C	A	20q11.21	7.71
NW_001839257.1	219705	C	T	20q11.21	7.5
NW_001839257.1	220711	G	T	20q11.21	6.83
NW_001839257.1	221008	G	C	20q11.21	8.43
NW_001839257.1	222115	T	C	20p11.21	9.79
NW_001839257.1	222374	T	C	20q11.21	9.47
NW_001839257.1	222477	G	A	20q11.23	9.75
NW_001839257.1	225222	A	G	20q11.22	9.9
NW_001840192.1	9628	G	A	7p12.1	6.24
NW_001840192.1	10399	A	T	7p12.3	6.59
NW_001840704.1	887	G	A	7q22.1	7.12
NW_001840704.1	902	A	C	7q22.1	9.67
NW_001840704.1	2861	G	A	7q21.3-7q22.1	6.23
NW_001840704.1	3419	A	T	7q22.1	12.53
NW_001839600.1	2357	G	C	5p12	7.28
NW_001839722.1	4000	G	T	3p11.1	11.37
NW_001841590.1	3683	C	G	22q11.1	6.16

NW_001840060.1	2210	C	T	7q11.21	7.22
NW_001840060.1	12364	G	T	7p11.2	8.21
NW_001839481.1	10575	C	T	10q11.21	8.05
NW_001839840.1	3928	A	G	14q11.2	7.48
NW_001841056.1	1695	C	G	18q11.2	6.81
NW_001841056.1	1758	G	C	18p11.21	18.86
NW_001841056.1	3560	G	C	18q11.2	8.52
NW_001841056.1	3568	C	A	18q11.2	8.06
NW_001841056.1	3644	T	G	18q11.2	8.42
NW_001841056.1	3730	T	A	18q11.2	7.9
NW_001841056.1	3746	A	T	18q11.1-18q11.2	6.63
NW_001841056.1	3761	T	G	18q11.2	6.66
NW_001841056.1	3882	T	C	18q11.2	7.04
NW_001841056.1	4009	C	T	18p11.21	10.47
NW_001841056.1	4070	C	A	18p11.21	16.22
NW_001841056.1	4087	G	A	18q11.2	7
NW_001841056.1	4530	C	T	18q11.2	11.32
NW_001841056.1	4621	T	C	18q11.1	8.44
NW_001841056.1	4631	T	G	18q11.2	12.24
NW_001841056.1	4947	G	C	18p11.21	6.01
NW_001841056.1	5012	A	G	18p11.21	10.23
NW_001841056.1	5043	C	T	18p11.21	8.15
NW_001841056.1	5093	G	A/T	18p11.21	6.84
NW_001841056.1	5141	G	A	18p11.21	21.94
NW_001841056.1	6988	G	C	18p11.21	11.69
NW_001841056.1	7034	C	G/T	18p11.21	11.43
NW_001841056.1	7106	T	C	18q11.2	6.69
NW_001841056.1	7108	C	A	18q11.1	10.38
NW_001841056.1	7119	G	C	18q11.2	9.78
NW_001841056.1	7316	C	T	18q11.2	6.92
NW_001841056.1	7785	A	T	18q11.2	6.81
NW_001841056.1	7807	C	T	18q11.2	8.67
NW_001841056.1	7813	T	C	18q11.2	11.3
NW_001841056.1	8622	G	C	18q11.2	17.31
NW_001841056.1	8829	G	C	18q11.2	14.01
NW_001841056.1	9494	T	C	18q11.2	17.52
NW_001841056.1	9618	C	G	18q11.2	10.61
NW_001841056.1	10624	T	C	18q11.2	14.34
NW_001841056.1	10819	G	T	18q11.2	18.97
NW_001841056.1	12062	G	C	18q11.2	14.17
NW_001841056.1	13327	T	C	18p11.21	7.72
NW_001841056.1	13806	A	T	18q11.1	10.72
NW_001841056.1	14071	T	A	18q11.2	9.32
NW_001841056.1	14096	C	G	18p11.21	11.45
NW_001841056.1	14675	T	A	18p11.21	8.09
NW_001841056.1	15672	A	C	18q11.1	6.44
NW_001841056.1	16520	G	A	18q11.1	9.18
NW_001841056.1	16667	A	G	18q11.2	8.4
NW_001841056.1	16757	G	A	18q11.2	12.94
NW_001841056.1	17054	T	C	18p11.21	9.2
NW_001841056.1	17073	A	C	18p11.21	9.67
NW_001841056.1	19647	A	T	18q11.2	7.68
NW_001841056.1	20252	A	C	18q11.2	7.42

NW_001841056.1	20280	C	G	18q11.2	9.87
NW_001841056.1	20468	T	C	18q11.2	6.09
NW_001841056.1	24875	C	G/T	18p11.21	8.33
NW_001839474.1	3052	G	A	10q11.21	6.34
NW_001839474.1	10823	G	A	10q11.21	6.57
NW_001839576.1	2987	G	C	19p12	6.2
NW_001839714.1	34848	T	G	20p11.21	7.41
NW_001839714.1	35163	T	A	20p11.21	7.17
NW_001839714.1	35885	T	A/C	20p11.21	8.15
NW_001839714.1	35933	A	C/G	20q11.21	6.47
NW_001839714.1	36027	C	T	20p11.21	6.58
NW_001839714.1	36413	A	T	20p11.21	7.53
NW_001839714.1	36466	C	G/T	20p11.21	6.88
NW_001839258.1	12689	C	T	7p12.3	6.04
NW_001839258.1	22987	G	A	7q11.21	6.82
NW_001840490.1	3197	G	A	1p11.2	7.61
NW_001840490.1	3333	A	C	1p11.2	6.23
NW_001842144.1	3623	C	T	21q11.2	6.25
NW_001839268.1	1129	C	T	20p11.1	6.72
NW_001839268.1	1191	A	C	20p11.21	8.33
NW_001839268.1	1230	C	T	20p11.21	7.74
NW_001839268.1	1336	A	G	20p11.21	6.57
NW_001839268.1	1338	T	G	20p11.21	7.31
NW_001839268.1	1370	C	T	20p11.21	7.71
NW_001839268.1	3811	C	A/T	20p11.21	7.36
NW_001839307.1	88	G	T	5p12	6.11
NW_001839705.1	38167	G	A	1p11.2	6.51
NW_001841150.1	2112	A	T	1q21.1	6.52
NW_001841150.1	2622	G	A	1q21.1	8.31
NW_001841150.1	31706	G	A	1q21.1	7.4
NW_001841150.1	98890	C	A	1q21.1	6.14
NW_001841150.1	102367	T	C	1q21.1	7.83
NW_001841150.1	143701	C	T	1p11.2	7.59
NW_001841150.1	147980	C	T	1q21.1	11.64
NW_001841150.1	166097	T	C	1q21.1	7.64
NW_001841150.1	174647	C	A/G	1q21.1	6.21
NW_001841150.1	182753	C	A	1q21.1	6.56
NW_001841150.1	193557	G	C	1q21.1	7.75
NW_001841150.1	194342	G	T	1p12	6.64
NW_001841150.1	195442	A	G	1q21.1	7.08
NW_001840200.1	2954	G	A	3q29	11.05
NW_001840200.1	3604	T	C	3q29	7.16
NW_001840224.1	11902	C	G	1q21.1	6.76
NW_001841117.1	10027	A	T	10p11.21	7.2
NW_001839716.1	12222	G	C/T	13q13.3	6.54
NW_001840172.1	3808	G	A	1q21.1	6
NW_001839718.1	2142	G	A	1q21.1	10.6
NW_001839718.1	2354	T	C	1q21.1	6.36
NW_001840050.1	359	A	C	20q11.22	7.6
NW_001840050.1	1455	A	T	20q11.21	7.81
NW_001840050.1	8647	C	G	20p11.21	6.54
NW_001840050.1	9227	G	C	20q11.21	6.15
NW_001840050.1	10006	A	T	20p11.21	7.73

NW_001840050.1	10061	A	T	20p11.21	7.29
NW_001840050.1	11008	T	C	20p11.21	9.49
NW_001840050.1	11299	C	T	20p11.21	6.07
NW_001840050.1	11460	A	T	20q11.22	8
NW_001840050.1	11478	T	C	20p11.21	7.41
NW_001840050.1	11493	G	C	20p11.21	7.36
NW_001840050.1	11505	A	G	20p11.21	7.24
NW_001840050.1	11642	G	C	20p11.21	6.29
NW_001840050.1	11677	C	G/T	20q11.21	7.8
NW_001840050.1	11920	T	C	20q11.21	8.21
NW_001840009.1	1063	T	C/G	10q11.21	8.52
NW_001840009.1	2881	C	T	10p11.21	6.35
NW_001840441.1	1967	T	C	21q11.2	6.51
NW_001840441.1	2018	G	T	21q11.2	7.36
NW_001840947.1	551	G	A	9q21.12	6.48
NW_001839405.1	12764	A	C	2q11.1	14.65
NW_001839405.1	12873	G	A	2p11.2	6.12
NW_001839405.1	13326	T	C	2q11.2	9.66
NW_001839405.1	13691	T	C	2q11.2	8.75
NW_001839405.1	13977	T	C	2q11.1	11.23
NW_001839405.1	14200	T	C	2q11.2	8.33
NW_001839405.1	15094	A	G	2q11.1	6.46
NW_001839405.1	15217	T	C	2p11.2	8.13
NW_001839405.1	15421	T	C	2q11.2	6.63
NW_001839405.1	15703	T	C	2p11.2	8.75
NW_001839405.1	15988	G	A	2q11.2	8.67
NW_001839405.1	16182	G	A/C	2p11.2	6.54
NW_001839405.1	16610	T	A	2p11.2	8.62
NW_001839405.1	16677	C	T	2q11.1	8.61
NW_001839405.1	16793	G	A	2p11.2	6.98
NW_001839405.1	16965	C	T	2q11.2	6.7
NW_001839405.1	16989	A	G	2p11.2	7.98
NW_001840933.1	16945	A	T	22q11.1	8.12
NW_001840531.1	20310	C	A	20q11.21	6.68
NW_001840531.1	21518	C	G	20q11.21	6.45
NW_001840531.1	32185	C	A	20q11.21	6.19
NW_001841025.1	1719	A	G	2p11.2	6.29
NW_001841025.1	1733	T	C	2p11.2	6.23
NW_001841025.1	2410	C	G	2q11.2	7.03
NW_001841133.1	24779	C	G	10p11.21	6.1
NW_001841133.1	67896	A	G	10p11.21	6.62
NW_001841133.1	68000	C	G	10p11.21	6.47
NW_001841133.1	68119	A	G	10p11.21	6.62
NW_001841133.1	68895	C	T	10p11.21	7.25
NW_001841133.1	69308	G	A/T	10p11.21	15.12
NW_001841133.1	69740	G	A	10p11.21	11
NW_001841133.1	69885	T	A	10p11.21	6.99
NW_001841133.1	70575	G	A	10p11.21	7.78
NW_001841133.1	70719	A	G	10q11.21	6.18
NW_001841133.1	70939	A	G	10q11.21	14.96
NW_001841133.1	71050	T	C	10q11.21	7.11
NW_001841133.1	71350	G	C	10q11.22	7.17
NW_001841133.1	72042	C	A	10p11.21	7.51

NW_001841133.1	72273	G	A	10p11.21	10.33
NW_001841133.1	72369	C	A	10p11.21	6.6
NW_001841133.1	72474	C	A	10q11.21	7.5
NW_001841133.1	72888	A	T	10p11.21	11.07
NW_001841133.1	72891	T	A	10p11.21	8.66
NW_001841133.1	72894	C	A	10q11.21	8.44
NW_001841133.1	72896	C	T	10p11.21	11.47
NW_001841133.1	72969	T	G	10p11.21	15.99
NW_001841133.1	73461	T	G	10p11.21	6.01
NW_001841133.1	74395	G	A	10q11.21	6.02
NW_001841133.1	74557	C	A	10p11.21	8.12
NW_001841133.1	74736	C	G	10q11.21	9.18
NW_001841133.1	78386	C	T	10p11.21	12.64
NW_001841133.1	78728	G	A/T	10p11.21	12.82
NW_001841133.1	79305	C	T	10p11.21	7.89
NW_001841133.1	80175	C	G	10q11.21	7.48
NW_001841133.1	81530	C	T	10p11.21	6.35
NW_001841133.1	84111	A	G	10q11.21	6.64
NW_001841133.1	84529	C	T	10p11.21	6.06
NW_001841133.1	89436	C	T	10p11.21	8.79
NW_001841133.1	89533	G	A	10p11.21	9.59
NW_001841133.1	120511	T	A	10p11.21	6.8
NW_001841133.1	161351	A	T	10p11.21	6.66
NW_001841133.1	188367	A	G	10p11.21	7.78
NW_001841133.1	197788	A	T	10p11.21	6.96
NW_001841133.1	202426	G	A	10p11.21	6.44
NW_001841133.1	207955	C	T	10p11.21	8.78
NW_001841133.1	216744	C	T	10p11.21	8.27
NW_001841133.1	219852	T	A	10p11.21	6.74
NW_001841133.1	268478	C	G	10p11.21	6.39
NW_001841133.1	289989	C	T	10p11.21	9.7
NW_001841133.1	372911	C	A	10q11.21	6.74
NW_001841133.1	495483	T	G	10p11.21	9.14
NW_001841133.1	498762	C	A	10q11.21	6.29
NW_001841133.1	504086	A	C	10p11.21	7.36
NW_001841133.1	539145	C	T	10p11.21	6.89
NW_001841133.1	553730	C	A	10p11.21	7.31
NW_001841133.1	558657	G	C	10q11.21	7.07
NW_001841133.1	571873	C	T	10p11.21	6.53
NW_001841133.1	580897	C	T	10p11.21	8.74
NW_001841133.1	589377	G	T	10p11.21	7.09
NW_001841133.1	611464	A	G	10p11.21	7.15
NW_001841768.1	9939	C	T	2p11.1-2q11.1	6.62
NW_001840780.1	2745	T	C	20p11.21	10.83
NW_001840780.1	3431	A	G	20q11.21	6.97
NW_001840780.1	4689	T	C	20q11.22	6.51
NW_001840780.1	4746	T	C	20q11.21	10.02
NW_001840780.1	6503	A	G	20q11.22	11.28
NW_001840780.1	6531	G	C	20q11.21	6.92
NW_001840780.1	7598	T	A	20q11.23	6
NW_001840780.1	7878	G	T	20q11.21	8.98
NW_001840780.1	7940	T	A	20q11.21	6.62
NW_001840780.1	9095	A	G	20q11.21	9.69

NW_001840780.1	9195	A	G	20q11.21	10.18
NW_001840780.1	10618	A	T	20q11.21	6.34
NW_001840780.1	10819	G	T	20q11.21	6
NW_001840780.1	11393	T	A	20q11.21	9.71
NW_001840780.1	11969	A	C	20q11.21	9.64
NW_001840780.1	12571	C	T	20q11.21	9.42
NW_001840780.1	13891	A	T	20q11.22	6.48
NW_001840780.1	15675	A	G	20q11.21	8.35
NW_001840780.1	16239	G	T	20q11.21	9.88
NW_001840780.1	16972	T	C	20q11.21	10.51
NW_001840780.1	17195	G	T	20q11.21	6.04
NW_001840780.1	18306	A	G	20q11.21	7.6
NW_001840780.1	19538	G	A	20q11.21	6.52
NW_001840780.1	20573	G	A	20q11.22	11.52
NW_001840780.1	21186	C	G	20q11.21	7.41
NW_001840780.1	21296	C	T	20q11.21	6.71
NW_001840780.1	22191	C	G	20q11.21	9.63
NW_001840780.1	22235	C	T	20q11.21	8.7
NW_001840780.1	22426	A	G	20q11.22	6.73
NW_001840780.1	23228	C	T	20q11.22	7.68
NW_001840780.1	24163	T	A	20q11.21	8.19
NW_001840780.1	25484	G	A	20q11.21	7.51
NW_001840780.1	30297	G	T	20q11.21	6.62
NW_001840780.1	31454	G	A	20q11.21	6.19
NW_001840780.1	33103	A	C	20q11.21	7.19
NW_001840780.1	33189	C	T	20q11.21	7.92
NW_001840780.1	33641	C	T	20q11.21	9.73
NW_001840780.1	36450	G	T	20q11.21	9.88
NW_001840780.1	37782	C	T	20q11.21	9.28
NW_001840780.1	38697	C	T	20q11.21	6.31
NW_001840780.1	39510	C	A	20q11.21	9.94
NW_001840780.1	39702	A	G	20q11.21	6.93
NW_001840780.1	39842	G	A	20q11.21	9.52
NW_001840780.1	41174	T	G	20q11.21	14.41
NW_001840780.1	42538	A	G	20q11.22	9.07
NW_001840780.1	44817	G	A	20q11.21	9.77
NW_001840780.1	45030	T	C	20q11.21	7.9
NW_001840780.1	45404	T	G	20q11.21	9.9
NW_001840780.1	46137	C	A	20q11.21	9.58
NW_001840780.1	49356	C	T	20q11.21	7.62
NW_001840780.1	49871	G	A	20q11.21	10.82
NW_001840780.1	49968	G	A	20q11.21	6.62
NW_001840780.1	50124	A	G	20q11.21	8.79
NW_001840780.1	51053	T	A	20q11.21	9.45
NW_001840780.1	54062	G	T	20q11.21	8.95
NW_001840780.1	56292	A	G	20q11.21	7.58
NW_001840780.1	57060	C	T	20q11.21	6.4
NW_001840780.1	59382	T	C	20q11.21	8.02
NW_001840780.1	61429	G	A	20q11.21	6.71
NW_001840780.1	61678	A	C	20q11.21	7.35
NW_001840780.1	61897	A	G	20q11.21	7.78
NW_001840780.1	62247	G	A	20q11.21	7.46
NW_001840780.1	65866	G	A	20q11.22	7.02

NW_001840780.1	66555	C	G	20q11.21	8.22
NW_001840780.1	66971	T	C	20q11.21	8.81
NW_001840780.1	69696	T	C	20q11.21	6.64
NW_001840780.1	71908	G	T	20q11.21	7.26
NW_001840780.1	76437	G	A/C	20q11.21	6.34
NW_001840780.1	78599	G	A	20q11.21	6.44
NW_001840780.1	83048	T	A	20q11.21	9.25
NW_001840780.1	83946	T	A	20q11.21	9.19
NW_001840780.1	85742	C	A	20p11.1	8.18
NW_001840780.1	85957	G	C	20q11.21	6.76
NW_001840780.1	86320	A	G	20q11.21	8.86
NW_001840780.1	88100	T	C	20q11.21	8.64
NW_001840780.1	88508	T	C	20q11.21	6.87
NW_001840780.1	89006	T	C	20q11.21	7.93
NW_001840780.1	89037	A	G	20q11.21	10.56
NW_001840711.1	3571	A	T	14q11.2	6.65
NW_001839485.1	12029	T	C	5p13.1	6.28
NW_001841099.1	1594	A	G	20p11.21	7.04
NW_001841099.1	8922	A	G	20p11.21	6.24
NW_001841099.1	12860	A	T	20p11.21	6.26
NW_001841099.1	13706	G	A	20p11.21	7.63
NW_001841099.1	14146	T	C	20p11.21	7.46
NW_001841099.1	14324	T	G	20p11.21	6.95
NW_001841099.1	14619	A	T	20p11.21	6.59
NW_001841099.1	15731	T	C	20p11.21	6.72
NW_001841099.1	15973	C	T	20p11.21	6.58
NW_001841099.1	19999	C	A	20p11.21	8.36
NW_001841099.1	21406	A	C	20q11.22	6.52
NW_001841099.1	21768	C	G	20p11.21	6.38
NW_001841099.1	24548	A	G	20p11.21	7.77
NW_001840621.1	1869	C	T	5q11.1	6.71
NW_001841516.1	2245	C	T	2q11.2	6.16
NW_001841516.1	3139	C	T	2p11.2	6.74
NW_001841516.1	3300	G	A	2q11.1	7.81
NW_001841516.1	4678	G	A	2q11.2	6.55
NW_001841516.1	6570	A	G	2q11.2	7.73
NW_001841516.1	6672	G	A	2p11.2	6.98
NW_001841516.1	8106	G	A	2q11.2	6.05
NW_001841516.1	8577	G	C	2q11.2	7.7
NW_001841516.1	8869	T	A	2q11.2	6.95
NW_001841091.1	3833	A	G	18q11.1	8.71
NW_001841091.1	4722	A	T	18p11.21	7.73
NW_001841091.1	5666	C	A/G	18q11.2	15.3
NW_001841091.1	5704	T	G	18q11.2	15.93
NW_001841091.1	5747	T	A	18q11.2	6.64
NW_001841091.1	6252	C	G	18q11.2	8.7
NW_001841091.1	7422	A	C	18p11.21	18.27
NW_001841091.1	7643	T	A	18q11.2	7.22
NW_001841091.1	8349	A	C	18q11.2	7.79
NW_001841091.1	8379	T	A	18q11.2	6.58
NW_001841091.1	8869	G	T	18q11.2	9.38
NW_001841091.1	8880	A	G	18p11.21	9.82
NW_001841091.1	8890	G	C/T	18q11.2	9.52

NW_001841091.1	8940	G	T	18q11.2	6.02
NW_001841091.1	8954	T	A	18q11.2	10.92
NW_001841091.1	8962	C	A	18q11.2	10.8
NW_001841091.1	8973	T	G	18p11.21	11.73
NW_001841091.1	9061	T	G	18q11.1	6.04
NW_001841091.1	9070	C	G	18q11.2	6.5
NW_001841091.1	9092	G	C	18q11.2	17.42
NW_001841091.1	9939	T	C	18q11.1	6.33
NW_001841091.1	9989	A	C	18q11.1	6.42
NW_001841091.1	10524	C	G	18q11.2	8.45
NW_001841091.1	10708	G	T	18q11.2	6.62
NW_001841091.1	11194	G	A	18q11.2	7.06
NW_001841091.1	11253	C	G/T	18q11.2	6.07
NW_001841091.1	11642	T	C	18q11.1	9.08
NW_001841091.1	11964	A	C	18q11.2	13.35
NW_001841091.1	11965	G	A	18q11.2	13.33
NW_001841091.1	12378	T	G	18q11.1	8
NW_001841091.1	12384	G	C	18q11.2	6.89
NW_001841091.1	12435	A	T	18q11.2	6.68
NW_001841091.1	12774	G	A	18p11.21	6.84
NW_001841091.1	12813	G	T	18p11.21	7.63
NW_001841091.1	13180	T	G	18q11.2	7.97
NW_001841091.1	13409	A	T	18q11.2	6.57
NW_001841091.1	13539	C	T	18q11.1	10.29
NW_001841091.1	13672	A	G	18p11.21	9.94
NW_001841091.1	14584	A	C	18q11.2	6.21
NW_001841091.1	15846	C	A	18q11.2	6.1
NW_001841091.1	15894	T	A	18q11.2	7.86
NW_001841091.1	16732	C	G	18q11.2	7.94
NW_001841091.1	17195	A	C/G	18q11.2	9.18
NW_001841091.1	17349	T	G	18p11.21	10.37
NW_001841091.1	17675	G	A	18q11.1	9.24
NW_001841091.1	17710	A	G	18q11.2	8.77
NW_001841091.1	18167	C	G	18q11.2	6.71
NW_001839898.1	9459	C	T	20p11.21	6.1
NW_001839898.1	10872	G	C	20q11.22	6.48
NW_001839898.1	12442	T	C	20q11.21	6.64
NW_001840347.1	16907	G	T	9p13.1	6.19
NW_001839760.1	16361	G	A	17q11.2	7.34
NW_001839760.1	47295	T	C	17q11.2	6.08
NW_001839760.1	134751	G	A	17q11.2	7.01
NW_001839760.1	144003	C	T	17q11.2	6.73
NW_001839760.1	154731	G	A	17q11.2	8.73
NW_001839760.1	173222	G	A	17q11.2	7.96
NW_001839760.1	174786	T	C	17q11.2	7.56
NW_001839760.1	208278	G	A	17q11.2	6.2
NW_001839760.1	210797	G	A	17q11.2	8.62
NW_001839760.1	216664	G	A	17q11.2	8.41
NW_001839760.1	231403	T	A/C	17q11.2	13.84
NW_001840592.1	1210	G	A	9q21.12	6.06
NW_001840871.1	26436	C	T	22q11.1	6.25
NW_001840871.1	36147	A	C/T	22q11.1	8.51
NW_001840871.1	96644	A	G	22q11.1	8.65

NW_001840871.1	99017	G	A	22q11.1	9.09
NW_001839822.1	11071	G	A	9q21.12	6.94
NW_001839822.1	31814	T	A/C	9q21.12	6.33
NW_001841388.1	3900	A	G	22q11.1	6.11
NW_001841149.1	195626	T	C	2q21.2	7.85
NW_001841149.1	196012	A	T	2q21.2	8.11
NW_001841149.1	196051	A	T	2q21.2	9.43
NW_001841149.1	196119	A	T	2q21.2	8.37
NW_001841149.1	196124	C	G	2q21.2	8.33
NW_001840348.1	6	A	G	20q11.21	6.27
NW_001840348.1	786	G	C	20p11.1	7.24
NW_001840348.1	1151	G	A	20q11.22	7.53
NW_001840348.1	1785	T	C	20q11.22	7.21
NW_001840348.1	2054	C	T	20q11.22	7.17
NW_001840348.1	2417	A	T	20q11.21	6.47
NW_001840348.1	2837	A	T	20q11.22	6.51
NW_001840348.1	7516	G	T	20p11.1	8.24
NW_001840348.1	8597	G	C	20p11.21	6.31
NW_001840348.1	10084	T	G	20p11.21	6.63
NW_001840348.1	10216	G	C	20p11.21	7.54
NW_001840348.1	10360	G	C	20p11.21	8.36
NW_001840348.1	39269	A	G	20q11.21	7.56
NW_001840348.1	40509	G	C/T	20p11.21	6.07
NW_001840348.1	41805	A	G/T	20p11.1	8.47
NW_001840348.1	46546	C	A	20p11.21	7.68
NW_001840348.1	47713	A	G	20q11.21	6.96
NW_001840348.1	47909	T	G	20p11.21	6.16
NW_001840348.1	47968	C	G	20p11.21	7.84
NW_001840348.1	52981	A	T	20p11.21	6.61
NW_001840348.1	56657	A	G	20p11.1	7.01
NW_001840348.1	57708	C	G	20q11.21	6.66
NW_001840348.1	73635	G	A	20q11.21	6.54
NW_001840348.1	75932	G	A	20p11.21	7.06
NW_001840348.1	76466	T	C	20q11.22	8.34
NW_001841078.1	3309	T	A/G	20q11.21	6.29
NW_001841078.1	10403	C	A	20q11.21	6.91
NW_001841078.1	12485	T	A	20q11.21	6.76
NW_001841078.1	13065	C	A	20q11.22	7.42
NW_001841078.1	13266	T	G	20q11.22	6.05
NW_001841078.1	13267	T	G	20q11.22	6.24
NW_001840814.1	934	T	A	20p11.21	7.26
NW_001840814.1	1005	T	G	20q11.21	6.87
NW_001840814.1	1030	C	G	20q11.21	6.6
NW_001840814.1	9854	T	A	20p11.21	6.45
NW_001840814.1	10824	G	A	20p11.21	7.83
NW_001841981.1	1296	G	C	21q11.2	6.27
NW_001840549.1	1700	G	T	9q34.11	6.14
NW_001839689.1	1775	C	G	14q11.2	6.83
NW_001839689.1	4280	G	C	14q11.2	6.28
NW_001841147.1	1205	G	T	20q11.21	7.04
NW_001841147.1	1497	C	G	20p11.21	7.21
NW_001841147.1	1608	G	C	20q11.21	6.93
NW_001841147.1	1707	C	A	20p11.21	6.6

NW_001841147.1	2465	C	T	20q11.21	6.29
NW_001841147.1	13276	C	G	20q11.21	6.85
NW_001841147.1	13604	C	A/T	20q11.21	6.39
NW_001841147.1	13763	C	A/G	20p11.21	6.71
NW_001841147.1	14445	G	A	20p11.21	7.37
NW_001839317.1	5192	G	A	1q32.1	6.68
NW_001839317.1	8313	G	A	1q32.1	6.4
NW_001839317.1	11555	C	T	1q32.1	14.44
NW_001839317.1	13343	C	T	1q32.1	6.85
NW_001839317.1	13607	G	T	1q32.1	11.56
NW_001839317.1	13701	C	T	1q32.1	12.94
NW_001839317.1	13784	G	A	1q32.1	13.27
NW_001839317.1	15408	T	G	1q32.1	8.7
NW_001839317.1	20080	C	T	1q32.1	6.75
NW_001839317.1	20258	C	T	1q32.1	6.33
NW_001839744.1	20138	A	C	22q11.1	7.17
NW_001840538.1	20504	G	T	9q21.11	7.14
NW_001839286.1	11898	G	A	1q21.1	7.48
NW_001840164.1	2251	T	A	1q21.1	7.26
NW_001840164.1	2662	G	A	1q21.1	11.23
NW_001840862.1	327	T	C	12q12	10.02
NW_001840862.1	937	G	A	12q12	12.92
NW_001840862.1	1682	A	G	12q12	6.9
NW_001840862.1	2311	T	G	12q12	6.72
NW_001840862.1	2694	T	C	12p11.1	11.19
NW_001841101.1	511	A	T	14q11.2	6.23
NW_001839852.1	3275	A	G	9q21.12	6.24
NW_001840472.1	2149	T	C	10p11.21	7.24
NW_001839932.1	765	A	T	19p12	7.2
NW_001840932.1	245	A	G	12q12	7.48
NW_001840932.1	339	G	C	12q12	9.5
NW_001840932.1	619	C	T	12q12	8.99
NW_001840932.1	767	A	G	12q12	10.86
NW_001840932.1	1076	A	T	12q12	7.99
NW_001840932.1	1643	G	C/T	12q12	6.18
NW_001840932.1	2984	A	T	12q11	7.46
NW_001841035.1	1492	T	C	20q11.21	7.25
NW_001841035.1	2353	A	T	20q11.21	8.45
NW_001840806.1	2376	G	T	21q11.2	7.45
NW_001839952.1	1352	C	T	20q11.21	7.71
NW_001841011.1	9894	T	A	1q21.1	8.73
NW_001841011.1	15934	G	A	1p12	9.83
NW_001841011.1	22664	C	T	1p12	9.02
NW_001841011.1	52319	A	T	1q21.1	6.28
NW_001841011.1	98319	G	A	1q21.1	9.03
NW_001841011.1	122837	C	T	1q21.1	9.43
NW_001841011.1	147241	G	T	1q21.1	9.3
NW_001841011.1	162448	G	T	1p11.2	6.31
NW_001841011.1	191699	C	A	1q21.1	6.52
NW_001841011.1	223193	C	T	1q21.1	7.19
NW_001841011.1	224957	G	A	1q21.1	7.39
NW_001841011.1	227268	C	A	1q21.1	6.65
NW_001841011.1	244605	C	A/G	1q21.1	7.54

NW_001841011.1	245364	T	A	1q21.1	7.45
NW_001841068.1	500	G	T	13q11	7.05
NW_001839653.1	2336	T	A	3p12.1	6.13
NW_001840274.1	2287	C	G	14q11.2	6.64
NW_001840993.1	790	T	C	20p11.21	6.35
NW_001840993.1	1158	A	T	20p11.21	7.4
NW_001840993.1	2952	A	T	20q11.21	7.39
NW_001840993.1	9724	A	G/T	20q11.21	8.16
NW_001840993.1	10590	T	C	20q11.22	6.31
NW_001839455.1	74623	G	A	17p11.2	7.14
NW_001839455.1	127928	G	A	17q11.2	6.76
NW_001839455.1	132165	G	A	17p11.2	6.31
NW_001839455.1	132606	C	T	17q11.2	6.99
NW_001839455.1	134135	G	T	17p11.2	9.15
NW_001839455.1	134862	C	T	17p11.2	8.2
NW_001839470.1	10590	C	T	1q21.1	7.61
NW_001840418.1	37444	C	G	9p13.1	6.42
NW_001840413.1	130	C	T	20p11.21	6.78
NW_001840413.1	12368	G	T	20p11.21	7.41
NW_001840413.1	14214	A	C/T	20q11.21	6.68
NW_001840413.1	14414	A	T	20q11.21	6.79
NW_001840944.1	1627	C	A	14q11.2	6.22
NW_001839966.1	144	G	T	20p11.21	6.41
NW_001839966.1	473	G	A	20q11.21	6.7
NW_001839966.1	518	G	C	20p11.21	6.94
NW_001839966.1	1253	G	C	20q11.21	7.64
NW_001839966.1	1391	C	A/G	20p11.21	6.14
NW_001839966.1	2978	C	G	20p11.21	8.96
NW_001839966.1	3483	T	C	20p11.21	8.35
NW_001839966.1	3488	G	A	20q11.22	7.21
NW_001839966.1	3602	A	G	20q11.22	6.39
NW_001839966.1	3995	T	A	20q11.21	8.88
NW_001839966.1	4160	T	A	20p11.21	9.49
NW_001839966.1	4598	G	A	20q11.22	9.24
NW_001839966.1	4983	A	T	20p11.1	8.78
NW_001839774.1	24276	T	C/G	12q12	6.71
NW_001839590.1	1346	G	A	20p11.21	6.27
NW_001839590.1	1357	T	C	20q11.21	7.65
NW_001839590.1	1749	T	A	20p11.21	6.27
NW_001839590.1	2727	A	G	20q11.22	6.22
NW_001840232.1	551	C	G/T	20p11.21	7.63
NW_001840232.1	721	A	G	20q11.21	6.72
NW_001840232.1	736	C	T	20q11.21	8.35
NW_001840232.1	855	A	C	20p11.21	7.09
NW_001840232.1	857	T	C	20q11.21	8.01
NW_001840232.1	1055	A	G	20p11.21	6.62
NW_001840386.1	666	A	C	9q21.12	6.9
NW_001840386.1	683	T	A	9q21.12	6.96
NW_001839441.1	11176	A	T	14q11.2	6.34
NW_001839429.1	9643	A	G	9q21.12	6.04
NW_001841160.1	1307	A	T	7p11.2	6.1
NW_001841160.1	2656	T	G	7q11.21	6.14
NW_001841160.1	4290	T	C	7p12.1	7.76

NW_001841160.1	11821	G	A	7p12.3	8.42
NW_001841160.1	11875	G	A/C	7p12.3	6.64
NW_001841160.1	12360	T	C	7q11.22	9.09
NW_001841160.1	12525	A	G	7p12.1	6.3
NW_001841160.1	13480	T	A	7p12.3	7.46
NW_001841160.1	14173	G	C	7p12.3	6.53
NW_001841160.1	24684	T	C	7p12.1	7.2
NW_001841160.1	25244	C	T	7p11.2	7.61
NW_001841160.1	25669	T	A	7p11.2	6.58
NW_001841160.1	25680	C	T	7q11.22	6.42
NW_001841160.1	27348	T	C	7p12.2	6.45
NW_001841160.1	32524	T	C	7p12.3	7.55
NW_001841160.1	32748	A	C	7p12.3	7.63
NW_001841160.1	33148	C	T	7p11.2	7.03
NW_001841160.1	33987	C	A	7p12.1	6.78
NW_001841160.1	34277	C	G	7p12.3	8.58
NW_001841160.1	42053	C	G	7q11.22	6.32
NW_001841160.1	42115	T	C	7p12.1	6.86
NW_001841160.1	42255	A	T	7p12.3	6.66
NW_001841160.1	42256	A	C	7p12.3	7.13
NW_001841160.1	46483	C	T	7p12.3	6.04
NW_001841160.1	48385	T	A	7p12.1	6.76
NW_001841160.1	48442	T	G	7p12.3	6.85
NW_001841160.1	48620	C	G	7p12.3	6.4
NW_001841160.1	58498	A	T	7p12.1	7.87
NW_001841160.1	64401	G	A	7q11.22	6.01
NW_001841160.1	75262	C	T	7q11.22	6.4
NW_001841160.1	104102	G	C	7p12.3	8.07
NW_001841160.1	108919	G	A	7p12.3	6.29
NW_001841160.1	128991	C	T	7p12.3	6.07
NW_001841160.1	142976	G	A	7p12.3	6.77
NW_001841160.1	151303	A	C	7p12.3	7.61
NW_001841160.1	156536	T	C	7p12.3	7.54
NW_001841160.1	160583	A	G	7p12.3	6.25
NW_001841051.1	95067	C	G	14q11.2	6
NW_001841051.1	139357	G	A	1q21.1	6.58
NW_001839568.1	1696	C	G	20q11.21	6.72
NW_001839762.1	11565	G	C/T	10p11.21	6.1
NW_001840543.1	8088	T	C	12q12	6.9
NW_001840887.1	2238	C	T	1q21.1	8.67
NW_001840306.1	15960	A	G	13q34	7.45
NW_001840306.1	19430	A	G	13q34	8.27
NW_001840306.1	36632	G	A	13q34	7.58
NW_001840306.1	39752	G	A	13q34	7.01
NW_001840306.1	46435	T	C	13q34	17
NW_001840306.1	71648	C	T	13q34	8.21
NW_001840306.1	72536	G	C	13q34	6.85
NW_001840306.1	74517	A	T	13q34	10.75
NW_001840306.1	77051	G	A	13q34	7.27
NW_001840306.1	80309	C	T	13q34	8.84
NW_001841153.1	363	C	A	20p11.21	7.16
NW_001841153.1	405	T	G	20p11.21	6.54
NW_001841153.1	421	G	T	20q11.22	6.54

NW_001841153.1	633	T	A	20q11.21	6.23
NW_001841153.1	672	C	A	20p11.21	7.23
NW_001841153.1	27193	T	A	20q11.22	6.54
NW_001841153.1	29123	A	C	20p11.1	7.52
NW_001841153.1	38076	G	C	20q11.21	6.06
NW_001841153.1	38314	C	A	20q11.22	6.46
NW_001841153.1	41577	C	G	20q11.22	7.86
NW_001841153.1	41594	A	G	20q11.22	6.54
NW_001841153.1	67963	C	G/T	20q11.21	6.18
NW_001841965.1	2003	C	T	9q21.11	6.95
NW_001839963.1	940	G	C	1q21.1	6.66
NW_001841385.1	4011	C	T	2p11.2	8.47
NW_001841385.1	4150	A	G	2q11.1	8.37
NW_001841385.1	5666	G	A	2p11.2	6.22
NW_001841385.1	5691	C	T	2p11.2	6.65
NW_001841385.1	5714	T	C	2p11.2	6.82
NW_001841385.1	5727	T	C	2p11.2	6.84
NW_001841394.1	523	G	T	2p11.2	14.08
NW_001841394.1	1579	T	C	2q11.1	7.41
NW_001841394.1	2318	A	G	2q11.1	7.18
NW_001841394.1	2632	C	T	2p11.2	6.01
NW_001841394.1	4446	G	A/T	2p11.2	8.41
NW_001841394.1	5245	A	T	2p11.1-2q11.1	7.59
NW_001841394.1	6230	C	G	2q11.1	10.28
NW_001841394.1	6865	C	G	2p11.2	9.29
NW_001839334.1	466	G	A	10p11.21	7.94
NW_001839334.1	722	G	C	10p11.21	7.52
NW_001839334.1	820	C	A	10p11.21	9.09
NW_001839334.1	1006	G	A	10p11.21	9.2
NW_001840794.1	214	A	G	14q11.2	6.54
NW_001840794.1	3215	T	C	14q11.2	6.1
NW_001840794.1	12552	G	T	14q11.2	7.41
NW_001840794.1	15528	C	T	14q11.2	6.68
NW_001839712.1	11645	T	C	9q21.11	6.77
NW_001839509.1	3129	C	G/T	2p11.2	12.43
NW_001840518.1	1194	C	G/T	14q11.2	6
NW_001840094.1	1740	G	T	12p11.1	10.62
NW_001839831.1	3797	C	A	17q11.2	10.99
NW_001839831.1	4108	G	A	17q11.2	7.48
NW_001840121.1	1382	G	C	20p11.21	6.23
NW_001840121.1	2214	T	A	20p11.21	7.68
NW_001840121.1	2540	G	A	20q11.22	7.11
NW_001840121.1	10600	A	C/G	20p11.21	7.63
NW_001840121.1	10950	A	G	20p11.21	7.25
NW_001840121.1	11301	G	T	20q11.22	7.24
NW_001840121.1	11378	G	T	20p11.21	7.07
NW_001840121.1	13489	T	C	20p11.21	7.58
NW_001840121.1	13951	G	A/C	20p11.21	6.9
NW_001839996.1	542	C	G	9q34.12	6.26
NW_001839464.1	16839	T	C	7q35	6.53
NW_001839464.1	18061	C	T	7q35	7.5
NW_001839464.1	18859	A	G	7q35	9.81
NW_001839464.1	19096	T	G	7q35	7.46

NW_001839464.1	19946	C	T	7q34	7.65
NW_001839464.1	20029	T	G	7q34	6.12
NW_001839300.1	25118	A	G	14q11.2	6.06
NW_001839300.1	25153	C	G/T	14q11.2	7.05
NW_001840239.1	8983	C	G	10p11.21	6.63
NW_001841098.1	888	G	T	20p11.21	9.66
NW_001841098.1	1589	G	T	20p11.21	7.57
NW_001841098.1	1940	T	G	20p11.21	6.53
NW_001841098.1	1959	T	A	20p11.21	6.14
NW_001841098.1	2083	G	A	20p11.21	6.44
NW_001841098.1	2183	A	T	20p11.21	6.12
NW_001841098.1	2205	G	A	20q11.21	7.03
NW_001841098.1	2314	A	G	20q11.22	6.43
NW_001841098.1	2848	C	T	20q11.22	8.76
NW_001841098.1	2919	T	G	20q11.22	6.74
NW_001840030.1	2167	T	C	16q12.1	6.83
NW_001839364.1	15534	C	T	3p11.1	6.28
NW_001839364.1	37716	T	C	3p11.1	7.13
NW_001839364.1	38333	T	C	3q11.2	13.34
NW_001839364.1	42894	T	C	3p11.1	6.62
NW_001839364.1	48261	T	C	3p11.1	8.58
NW_001839364.1	49546	G	T	3p11.1	9.54
NW_001839364.1	50177	G	T	3p11.1	8.32
NW_001839364.1	59016	C	A	3p11.1	8.25
NW_001839364.1	60777	G	A	3p11.1	7.2
NW_001839364.1	74252	T	C	3p11.1	7.96
NW_001839364.1	81881	C	T	3p11.1	8.5
NW_001839364.1	81972	T	C	3p11.1	7.14
NW_001839364.1	85110	G	T	3p11.1	7.09
NW_001839364.1	257226	C	T	3p11.1	8.01
NW_001839364.1	266997	G	C	3p11.1	8.72
NW_001839364.1	268403	C	T	3p12.1	6.14
NW_001839364.1	270314	T	C	3p12.1	6.74
NW_001839364.1	274040	G	A	3p11.1	9.52
NW_001839364.1	274402	G	T	3p11.1	8.83
NW_001839364.1	275692	G	T	3p11.1	9
NW_001839364.1	279018	A	G	3p12.1	6.27
NW_001839364.1	283479	C	T	3p11.1	10.87
NW_001839364.1	283906	A	G	3q11.2	8.95
NW_001839364.1	296839	G	A	3p11.1	8.42
NW_001839364.1	298597	G	A	3p11.1	6.97
NW_001841156.1	4431	G	T	20p11.1	7.67
NW_001841156.1	11303	G	C	20q11.22	6.79
NW_001841156.1	11657	G	A	20p11.21	6.22
NW_001841156.1	22255	A	G	20q11.23	6.82
NW_001840086.1	1534	T	A	18p11.21	6.67
NW_001840086.1	1668	C	T	18p11.21	6.27
NW_001840086.1	2601	T	A/C/G	18p11.21	9.03
NW_001840086.1	11757	G	C	18p11.21	7.13
NW_001840086.1	12295	T	C	18q11.1	8.2
NW_001840086.1	12356	T	G	18q11.1	6.15
NW_001840086.1	12462	C	T	18p11.21-18q11.1	8.01
NW_001840086.1	13224	C	G	18p11.21	13.88

NW_001840086.1	13323	G	T	18p11.21	8.1
NW_001840086.1	14608	T	C	18p11.21	12.29
NW_001840086.1	14842	A	G	18q11.1	11.91
NW_001840086.1	14897	A	G	18q11.1	9.65
NW_001840086.1	17427	A	C	18q11.2	6.59
NW_001840086.1	18201	G	T	18p11.21	9.62
NW_001839779.1	13497	A	C	5p12	6.93
NW_001840319.1	10547	C	G	9q21.12	7.82
NW_001840304.1	910	C	G/T	4q12	6.43
NW_001840034.1	10310	A	G	20p11.1	8.82
NW_001841085.1	1138	G	A	2q11.2	6.22
NW_001841085.1	5144	T	C	2q11.2	9.91
NW_001841085.1	6331	G	A	2p11.1-2q11.1	6.32
NW_001839938.1	476	G	T	20p11.21	6.32
NW_001839850.1	3270	C	T	1q21.1	8.9
NW_001840338.1	118	G	A/C	20p11.21	6.08
NW_001840338.1	364	A	T	20p11.21	6.56
NW_001840338.1	435	G	T	20p11.21	7.79
NW_001840338.1	481	T	A	20p11.21	8.57
NW_001840338.1	503	G	T	20p11.21	7.36
NW_001839440.1	3898	C	T	2p11.1-2q11.1	6.35
NW_001839440.1	3907	C	G	2q11.1	6.17
NW_001839440.1	4422	A	G	2p11.2	7.77
NW_001839440.1	4483	T	A	2q11.1	6.29
NW_001839440.1	4586	A	T	2q11.2	7.04
NW_001841237.1	4267	G	A	17p11.2	6.93
NW_001839865.1	1828	G	T	5p12	7.43
NW_001839865.1	3722	T	C	5p12	6.44
NW_001839865.1	3733	C	A	5p12	6.5
NW_001840761.1	433	G	T	1q21.1	8.97
NW_001840943.1	338	G	A	20p11.21	7.05
NW_001840943.1	396	A	T	20p11.21	6.99
NW_001840943.1	1030	A	G	20p11.21	7.39
NW_001840943.1	1033	G	T	20p11.21	7.63
NW_001840943.1	1037	T	G	20p11.21	7.76
NW_001840943.1	1175	A	C	20p11.21	6.64
NW_001840943.1	1177	T	C	20p11.21	6.11
NW_001840943.1	2211	G	A	20q11.21	6.13
NW_001840943.1	3421	G	T	20p11.21	6.94
NW_001840943.1	4522	A	G	20p11.21	6.93
NW_001841755.1	438	T	A	2q11.1	10.74
NW_001841755.1	2775	G	T	2p11.2	8.08
NW_001841755.1	3373	C	T	2q11.2	9.12
NW_001841755.1	3613	T	A	2q11.1	9.25
NW_001841755.1	4051	G	A	2q11.2	7.56
NW_001841755.1	6243	G	A	2q11.2	6.28
NW_001841755.1	6368	T	C	2q11.1	9.14
NW_001841755.1	6516	C	T	2q11.2	6.5
NW_001841755.1	6532	C	A	2q11.2	6.22
NW_001841755.1	7187	C	T	2p11.2	9.15
NW_001839589.1	35072	A	C/G/T	14q11.2	6.24
NW_001839494.1	240	C	T	22q11.1	6.06
NW_001839418.1	10307	T	A	12q12	13.76

NW_001839418.1	10845	A	G	12p11.21-12p11.1	6.08
NW_001839418.1	10847	A	G	12q12	7.95
NW_001839418.1	10978	C	A	12q12	6.13
NW_001839418.1	10985	G	C	12q12	6.15
NW_001839418.1	11046	A	T	12q12	6.46
NW_001839418.1	11066	A	T	12q12	7.84
NW_001839418.1	11456	T	A	12q12	6.25
NW_001841141.1	10436	G	A	20p11.21	7.65
NW_001841141.1	10630	T	A	20p11.21	7.38
NW_001841141.1	11631	G	C	20p11.21	6.89
NW_001841141.1	11709	A	G/T	20p11.21	7.48
NW_001841141.1	12491	G	C/T	20q11.21	6.57
NW_001841141.1	12735	G	A	20q11.22	7.36
NW_001841141.1	20122	T	C	20p11.21	8.07
NW_001841141.1	20365	A	G	20q11.21	6.81
NW_001841141.1	20416	T	G	20p11.21	7.94
NW_001841141.1	20821	T	C	20q11.21	7.66
NW_001841141.1	21549	C	T	20q11.21	6.21
NW_001841141.1	21576	G	A	20p11.21	7.64
NW_001841141.1	21636	C	G	20q11.21	7.86
NW_001839457.1	2355	T	G	9p13.1	6.32
NW_001840555.1	552	C	A	5q11.1	7.59
NW_001840555.1	1721	C	A/T	5q11.1	8.3
NW_001839806.1	2368	A	T	20q11.21	9.55
NW_001839806.1	11200	C	A	20q11.21	6.19
NW_001839806.1	12738	A	G	20q11.22	6.37
NW_001839806.1	12796	G	T	20q11.21	7.91
NW_001839806.1	12936	A	G	20q11.22	8.5
NW_001839806.1	12938	C	A	20q11.21	8.06
NW_001840082.1	2674	C	T	20p11.1	6.7
NW_001840082.1	2774	A	G	20q11.21	6.95
NW_001840082.1	2775	A	C	20q11.21	7.88
NW_001841108.1	2669	C	T	3p11.1	6.13
NW_001841108.1	4351	G	A	3p11.1	6.81
NW_001839350.1	9692	G	T	19p12	6.07
NW_001839350.1	10200	T	C	19p12	6.42
NW_001839350.1	10326	G	C	19p12	7.4
NW_001840540.1	1288	A	G	10q11.21	6.58
NW_001841154.1	4375	A	G	9q21.12	6.19
NW_001841154.1	17243	C	G	9p13.2	6.58
NW_001841154.1	18517	A	G	9q21.12	6.25
NW_001841154.1	20414	T	C	9q21.11	6.34
NW_001839736.1	1582	G	A	12p11.21	6.81
NW_001839736.1	12922	T	A/C	12q12	7.37
NW_001840462.1	30232	T	G	19p12	6.75
NW_001840640.1	1617	T	G	20p11.21	7.72
NW_001840640.1	2675	C	T	20p11.21	6.09
NW_001840640.1	4388	A	C/T	20p11.21	6.55
NW_001840640.1	4593	T	A	20p11.21	7.29
NW_001841142.1	41572	G	A	17q11.2	6.12
NW_001841142.1	70302	T	A	17p11.2	7.29
NW_001841142.1	76675	G	A	17p11.2	7.49
NW_001841142.1	79673	G	A	17q11.2	7.7

NW_001841142.1	79775	C	G	17q11.2	7.03
NW_001841142.1	85152	A	C	17p11.2	6.71
NW_001841142.1	85456	C	T	17p11.2	8.13
NW_001841142.1	86067	T	C	17p11.2	6.55
NW_001841142.1	89707	T	A	17q11.2	6.23
NW_001841142.1	108027	G	T	17q11.2	6.33
NW_001841142.1	108656	C	T	17q11.2	6.21
NW_001841142.1	120972	G	T	17p11.2	6.68
NW_001841142.1	123783	A	C	17q11.2	6.5
NW_001841142.1	131472	T	C	17q11.2	7.13
NW_001841142.1	132933	C	T	17q11.2	6.41
NW_001841142.1	134097	T	C	17p11.2	6.18
NW_001841142.1	134145	G	A	17p11.2	6.15
NW_001841142.1	137979	A	G	17p11.2	6.26
NW_001841142.1	226453	G	C	17p11.2	7.28
NW_001841142.1	227109	G	T	17q11.2	6.2
NW_001841142.1	243193	T	G	17p11.2	6.1
NW_001841142.1	244044	G	A	17p11.2	6.98
NW_001841142.1	244604	G	A	17p11.2	7.31
NW_001841142.1	245034	C	T	17p11.2	6.32
NW_001841142.1	245330	G	A	17q11.2	6.5
NW_001841050.1	1985	A	G	19p12	6.74
NW_001839949.1	8891	G	A/T	7q11.21	6.7
NW_001839949.1	17056	T	C	7p12.1	6.88
NW_001839949.1	17326	T	C	7p12.1	7.28
NW_001841120.1	420	A	T	20p11.21	6
NW_001839668.1	29873	T	G	7p12.3	7.67
NW_001839668.1	47872	T	A	7q11.22	6.65
NW_001841032.1	787	C	G/T	2q11.2	6.45
NW_001841032.1	1549	T	C	2p12	6
NW_001841032.1	1988	A	T	2p11.2	11.17
NW_001841032.1	2081	A	T	2p11.2	12.94
NW_001840675.1	2533	T	C	5q11.2	9.14
NW_001842432.1	168	G	A	20p11.21	6.92
NW_001842432.1	14209	G	T	20p11.21	6.47
NW_001842432.1	25175	T	C	20p11.21	6.79
NW_001842432.1	33509	T	C	20p11.21	7.89
NW_001842432.1	45621	A	G	20q11.21	7.29
NW_001842432.1	57735	G	C	20p11.21	6.23
NW_001842432.1	60676	C	T	20p11.21	7.62
NW_001842432.1	78782	G	A	20p11.21	6.49
NW_001842432.1	132485	T	A	20p11.21	6.79
NW_001842432.1	430890	G	A	20q11.21	7.07
NW_001842432.1	448902	A	G	20q11.21	7.4
NW_001842432.1	452054	T	C	20q11.21	7.96
NW_001842432.1	452623	A	G	20p11.21	7.45
NW_001842432.1	452844	C	G	20q11.21	6.16
NW_001842432.1	453349	C	T	20q11.21	6.2
NW_001842432.1	453979	A	C	20q11.21	10.03
NW_001842432.1	454256	T	G	20q11.21	9.78
NW_001842432.1	454475	A	G	20q11.21	7.13
NW_001842432.1	455837	C	T	20q11.21	9.04
NW_001842432.1	456476	G	T	20q11.21	7.68

NW_001842432.1	458726	C	A	20q11.21	9.45
NW_001842432.1	458876	G	A	20q11.21	7.83
NW_001842432.1	459447	G	C	20q11.21	12.46
NW_001842432.1	460053	G	A	20q11.21	8.39
NW_001842432.1	460207	A	G	20q11.22	11.18
NW_001842432.1	460310	G	T	20p11.21	9.14
NW_001842432.1	460891	C	G	20p11.21	9.78
NW_001842432.1	460906	C	T	20p11.21	8.83
NW_001842432.1	460944	G	A	20q11.21	6.84
NW_001842432.1	460968	C	G	20q11.21	10.1
NW_001842432.1	462514	T	C	20q11.21	10.01
NW_001842432.1	462816	C	T	20q11.21	6.76
NW_001842432.1	464138	T	C	20q11.21	8.65
NW_001842432.1	464783	A	G	20q11.21	11.05
NW_001842432.1	465250	G	C	20q11.21	8.55
NW_001842432.1	465367	C	T	20q11.21	9.1
NW_001842432.1	466607	G	C/T	20q11.22	11.88
NW_001842432.1	467065	T	A	20q11.21	9.81
NW_001842432.1	467936	G	A	20p11.21	8.6
NW_001842432.1	469987	C	T	20q11.21	7.19
NW_001842432.1	473483	A	C	20q11.21	9.83
NW_001842432.1	476396	A	C/T	20q11.21	7.96
NW_001842432.1	476650	A	G	20q11.21	6.13
NW_001842432.1	478144	A	G	20q11.22	12.55
NW_001842432.1	478469	T	G	20q11.21	8.67
NW_001842432.1	479054	A	C	20q11.21	10.4
NW_001842432.1	479562	A	T	20q11.21	9.78
NW_001842432.1	480821	C	G/T	20q11.21	7.93
NW_001842432.1	483225	T	C	20q11.21	6.64
NW_001842432.1	487283	A	G	20q11.21	9.76
NW_001842432.1	487570	T	G	20q11.22	12.29
NW_001842432.1	487764	T	G	20q11.21	6.93
NW_001842432.1	489020	A	C	20q11.21	8.06
NW_001842432.1	489240	A	G	20q11.21	10.07
NW_001842432.1	489490	G	A	20q11.21	8.2
NW_001842432.1	492755	T	C	20q11.21	10.02
NW_001842432.1	493046	A	T	20q11.21	8.46
NW_001842432.1	494931	C	G	20q11.21	10
NW_001842432.1	496702	A	G	20q11.21	6.63
NW_001842432.1	497042	C	T	20q11.21	6.45
NW_001842432.1	497075	G	T	20q11.21	9.15
NW_001842432.1	497302	A	T	20q11.21	9.46
NW_001842432.1	497723	G	A	20q11.21	9.43
NW_001842432.1	497930	A	G	20q11.22	10.27
NW_001842432.1	498080	A	T	20q11.21	9.86
NW_001842432.1	498447	A	T	20q11.21	9.36
NW_001842432.1	498802	C	T	20q11.21	9.4
NW_001842432.1	499432	C	G	20q11.22	11.45
NW_001842432.1	499549	T	C	20q11.21	9.76
NW_001842432.1	499883	A	G	20p11.21	8.68
NW_001842432.1	501133	C	T	20q11.21	8.13
NW_001842432.1	501243	C	G	20q11.21	6.64
NW_001842432.1	501351	T	C	20q11.22	11.13

NW_001842432.1	501360	A	T	20q11.21	10.01
NW_001842432.1	502685	C	T	20q11.21	7.49
NW_001842432.1	507440	T	G	20q11.21	8.09
NW_001842432.1	507441	T	A	20q11.21	8.49
NW_001842432.1	508197	T	C	20q11.21	11.62
NW_001842432.1	508626	G	C	20q11.21	6.65
NW_001842432.1	508912	C	A	20p11.21	8.98
NW_001842432.1	509387	T	C	20q11.21	8.55
NW_001842432.1	510226	A	T	20q11.22	12.55
NW_001842432.1	510986	A	G	20q11.21	8.58
NW_001842432.1	511253	G	A	20q11.21	6.05
NW_001842432.1	513038	G	T	20p11.21	9.62
NW_001842432.1	513042	C	G	20p11.21	9.61
NW_001842432.1	513907	A	T	20q11.21	9.81
NW_001842432.1	513981	C	T	20q11.21	13.12
NW_001842432.1	514191	C	A/G	20q11.21	7.51
NW_001842432.1	514450	T	A/C	20p11.21	6.97
NW_001842432.1	515418	T	C	20q11.21	6.42
NW_001842432.1	515638	C	T	20q11.21	9.59
NW_001842432.1	515876	T	G	20q11.21	7.6
NW_001842432.1	516055	T	A	20q11.22	9.13
NW_001842432.1	516165	A	G	20q11.21	6.13
NW_001842432.1	517336	A	G	20p11.23	6.33
NW_001842432.1	518155	C	T	20p11.21	8.37
NW_001842432.1	518158	G	A	20q11.21	7.17
NW_001842432.1	518546	G	A	20q11.21	9.23
NW_001842432.1	518605	A	G	20q11.21	6.38
NW_001842432.1	518769	G	T	20q11.22	7.18
NW_001842432.1	519182	C	T	20p11.1	7.04
NW_001842432.1	520625	C	T	20q11.21	6.42
NW_001842432.1	522912	C	G	20q11.21	6.36
NW_001842432.1	523312	G	T	20q11.21	8.38
NW_001842432.1	524325	C	T	20q11.21	9.31
NW_001842432.1	525645	C	T	20q11.22	6.02
NW_001842432.1	525882	T	G	20p11.21	8.68
NW_001842432.1	529324	G	A/C	20q11.21	6.75
NW_001842432.1	530582	A	G	20q11.21	6.8
AEKP01009090.1	25046	G	A	9q34.2	6.18
AEKP01009295.1	14217	C	T	9q34.3	9.36
AEKP01009296.1	9441	T	C	9q34.3	9.61
AEKP01012023.1	3105	A	G	10p11.21	6.91
AEKP01020329.1	4010	T	C	18q21.2	10.5
AEKP01020477.1	5774	G	T	18q21.2	6.23
AEKP01020477.1	6057	C	T	18q21.2	6.08
AEKP01021472.1	8467	C	T	18q22.2	6.6
AEKP01024816.1	17752	G	T	3p14.1	9.97
AEKP01024816.1	18215	T	C	3p14.1	7.12
AEKP01024816.1	18887	G	A	3p14.1	8.08
AEKP01024816.1	19386	G	T	3p14.1	8.74
AEKP01024816.1	20501	G	A	3p14.1	14.57
AEKP01024816.1	20889	C	T	3p14.1	8.34
AEKP01024816.1	21886	A	T	3p14.1	11.36
AEKP01026639.1	1365	T	C	14q32.33	6.97

AEKP01028421.1	29690	C	T	15q22.31	7.81
AEKP01028972.1	14346	A	T	3q21.2	6.67
AEKP01032148.1	21479	A	G	12q24.11	14.59
AEKP01032148.1	25418	A	C	12q24.11	15.94
AEKP01044255.1	4768	C	T	2q37.1	13.59
AEKP01044945.1	9205	G	A	3q29	7.07
AEKP01046855.1	367	G	C	13q12.3	7.34
AEKP01046855.1	534	G	T	13q12.3	11.25
AEKP01047722.1	20929	T	G	13q14.11	7.03
AEKP01050701.1	1376	C	T	12p13.2	8.69
AEKP01050701.1	2710	A	T	12p13.2	7.3
AEKP01050790.1	4724	T	C	6q27	7
AEKP01050790.1	4986	G	T	6q27	6.2
AEKP01050790.1	5150	G	A	6q27	10.03
AEKP01050831.1	4761	G	T	6q27	18.3
AEKP01050831.1	5249	G	A	6q27	6.65
AEKP01056923.1	33881	G	A	3q26.2	7.04
AEKP01056923.1	33928	A	G	3q26.1	6.07
AEKP01061772.1	7270	T	C	8p21.3	6.93
AEKP01061772.1	7531	A	G	8p21.3	7.95
AEKP01061772.1	8851	A	C	8p21.3	9.14
AEKP01069476.1	10644	T	C	20q11.21-20q11.22	9.94
AEKP01069476.1	12394	T	C	20q11.21-20q11.22	14.62
AEKP01069477.1	1094	C	A	20q11.22	9.23
AEKP01069477.1	6048	C	T	20q11.21	8.64
AEKP01075945.1	44821	G	T	20p11.21	6.09
AEKP01075945.1	45594	G	C	20p11.21	6.31
AEKP01077264.1	1258	T	C	9q21.13	9.52
AEKP01077264.1	1546	C	T	9q21.13	13.81
AEKP01077264.1	1808	A	G	9q21.13	14.82
AEKP01079279.1	3341	A	G	7q32.1	7.48
AEKP01079702.1	57969	A	G	7q33	17.69
AEKP01080035.1	17282	C	G	7q34	6.82
AEKP01080035.1	18870	G	A	7q34	8.26
AEKP01080035.1	18983	A	G	7q34	10.53
AEKP01080035.1	19351	A	T	7q34	6.44
AEKP01080035.1	20736	T	C	7q34	7.05
AEKP01080035.1	22883	G	C	7q34	9.31
AEKP01080035.1	23125	G	C	7q34	8.43
AEKP01080035.1	23421	C	T	7q34	6.2
AEKP01080279.1	17211	T	C	7q35	7.28
AEKP01091774.1	18942	T	C	1q24.1	6.62
AEKP01093265.1	7516	A	G	10q21.1	6.78
AEKP01093265.1	8896	G	A	10q21.1	9.48
AEKP01093265.1	8984	A	T	10q21.1	8.2
AEKP01093265.1	10307	G	A	10q21.1	9.18
AEKP01094557.1	6806	C	G	17q22	10.68
AEKP01094557.1	7434	C	A	17q22	10.89
AEKP01094557.1	8171	G	A	17q22	12.75
AEKP01094557.1	8244	C	T	17q22	12.14
AEKP01094557.1	10470	G	A	17q22	6.22
AEKP01094557.1	11007	G	T	17q22	10.17
AEKP01095456.1	4399	T	C	7q21.11	11.89

AEKP01095456.1	4445	A	G	7q21.11	12.41
AEKP01095456.1	4524	T	C	7q21.11	14.23
AEKP01095456.1	5315	T	A	7q21.11	8.04
AEKP01110547.1	664	C	T	21q22.3	9.39
AEKP01110973.1	6910	A	G	2q34	9.42
AEKP01114218.1	8196	C	A	1q32.1	7.29
AEKP01114218.1	9711	G	C	1q32.1	6.4
AEKP01114218.1	10540	T	G	1q32.1	19.48
AEKP01114218.1	13376	T	A	1q32.1	6.21
AEKP01117124.1	13747	T	C	6q16.1	14.43
AEKP01117124.1	22345	T	A	6q16.1	12.68
AEKP01117124.1	45920	T	C	6q16.1	9.27
AEKP01122432.1	14069	A	G	10q24.1	6.95
AEKP01122432.1	15136	A	G	10q24.1	6.78
AEKP01126737.1	864	A	C	12p13.31	6.12
AEKP01128935.1	4035	G	T	14q12	7.11
AEKP01132292.1	8202	G	T	22q13.33	6.21
AEKP01132292.1	9333	T	C	22q13.32	8.21
AEKP01139726.1	31390	G	A	1q42.2	6.94
AEKP01147502.1	3360	T	C	10q26.3	6.1
AEKP01147502.1	9054	T	C	10q26.3	9.05
AEKP01147502.1	13532	G	C	10q26.3	7.07
AEKP01147502.1	13721	A	G	10q26.3	6.94
AEKP01149793.1	13286	C	T	13q34	7.48
AEKP01149793.1	16425	A	G	13q34	11.42
AEKP01149802.1	7976	G	C	13q34	7.29
AEKP01150066.1	1720	C	T	13q34	6.24
AEKP01151782.1	27042	C	A	4p16.1	9.08
AEKP01151782.1	27172	C	T	4p16.1	7.58
AEKP01151782.1	27255	G	A	4p15.33	8.03
AEKP01151782.1	28138	C	T	4p16.1	9.84
AEKP01151782.1	28349	T	C	4p16.1	7.58
AEKP01151782.1	28723	G	A	4p16.1	7.27
AEKP01153555.1	1430	T	A	7p22.3	7.84
AEKP01153555.1	1514	C	G	7p22.3	6.64
AEKP01153555.1	2559	A	C	7p22.3	6.25
AEKP01153556.1	2061	T	C	7p22.3	8.06
AEKP01153556.1	4438	T	C	7p22.3	6.16
AEKP01153556.1	4475	C	G	7p22.3	7.06
AEKP01158634.1	443	C	A	12q12	12.46
AEKP01158635.1	722	C	T	12q12	6.38
AEKP01158635.1	738	C	G	12q12	6.58
AEKP01158637.1	6240	G	A	12q12	6.55
AEKP01158637.1	6512	A	C	12q12	12.15
AEKP01158637.1	6854	C	T	12q12	13.85
AEKP01158637.1	6918	C	T	12q12	12.81
AEKP01158637.1	6992	A	T	12q12	13.38
AEKP01158637.1	6999	C	T	12q12	13.42
AEKP01158637.1	7005	T	C	12q11	8.19
AEKP01158637.1	7400	G	A	12q12	9.94
AEKP01158637.1	7435	T	C	12q11	9.33
AEKP01158637.1	7996	G	A	12q12	11.28
AEKP01158637.1	8144	C	T	12q12	11.73

AEKP01158637.1	8272	T	C	12q11	10.06
AEKP01158637.1	9055	C	A	12q12	12.35
AEKP01158637.1	9378	C	T	12q11	9.31
AEKP01158637.1	9703	G	T	12q12	12.32
AEKP01158637.1	9948	G	C	12q12	13.63
AEKP01158637.1	10127	G	T	12p11.21-12p11.1	6
AEKP01158637.1	10219	T	C	12q11	7.36
AEKP01158637.1	10441	C	T	12q12	10.27
AEKP01158637.1	10453	G	A	12q12	15.14
AEKP01158637.1	10538	G	A	12q12	11.6
AEKP01158637.1	10545	T	C	12q12	13.88
AEKP01158637.1	10712	C	T	12q11	8.84
AEKP01158637.1	11021	C	T	12q12	11.83
AEKP01158637.1	11057	A	C	12q12	14
AEKP01158637.1	11289	G	A	12q11	9.29
AEKP01158637.1	11536	A	C/T	12q12	10.72
AEKP01158637.1	12047	C	T	12q12	9.44
AEKP01163119.1	2361	T	C	1p36.22	7.16
AEKP01166084.1	5446	A	G	9q22.1	11.71
AEKP01166084.1	5670	A	G	9q22.1	13.3
AEKP01166084.1	7949	A	G	9q22.1	8.19
AEKP01166084.1	15617	C	T	9q22.1	7.1
AEKP01166223.1	2620	G	A	9q22.2	8.46
AEKP01166223.1	2703	G	A	9q22.2	12.57
AEKP01166223.1	3655	G	A	9q22.2	15.6
AEKP01166227.1	50722	T	C	9q22.2	9.25
AEKP01166227.1	50745	A	T	9q22.2	6.36
AEKP01166227.1	51379	C	T	9q22.2	9.06
AEKP01166227.1	53225	C	A	9q22.2	7.43
AEKP01166227.1	56023	C	A	9q22.31	8.19
AEKP01166227.1	58939	C	A	9q22.2	8.49
AEKP01166227.1	63702	T	C	9q22.1	7.26
AEKP01166227.1	65652	C	T	9q22.2	9.97
AEKP01166227.1	83766	T	A	9q22.2	6.31
AEKP01166227.1	86938	G	A	9q22.2	6.1
AEKP01166227.1	89950	C	T	9q22.2	6.09
AEKP01166227.1	101266	T	A	9q22.2	6.76
AEKP01170916.1	17881	A	G	10q26.13	6.86
AEKP01171132.1	8655	G	A	11q13.3	11.88
AEKP01171132.1	9423	G	A	11q13.3	13.07
AEKP01171765.1	10449	T	C	4p16.3	7.23
AEKP01171765.1	10481	T	C	4p16.3	7.19
AEKP01171765.1	10713	C	T	4p16.3	8.87
AEKP01171765.1	11302	G	C	4p16.3	9.92
AEKP01171765.1	11373	T	C	4p16.3	10.12
AEKP01171765.1	11515	C	T	4p16.3	8.16
AEKP01171765.1	11600	C	T	4p16.3	8.42
AEKP01171765.1	12004	T	C	4p16.3	8.55
AEKP01171765.1	12066	C	A	4p16.3	9.8
AEKP01171767.1	1097	C	T	4p16.3	8.31
AEKP01171767.1	1579	A	C	4p16.3	7.65
AEKP01171767.1	7451	C	G	4p16.3	9.95
AEKP01171767.1	7626	C	G	4p16.3	8.68

AEKP01171767.1	9132	A	G	4p16.3	8.84
AEKP01171767.1	9921	A	G	4p16.3	8.95
AEKP01171768.1	2235	G	T	4p16.3	10.07
AEKP01171768.1	2379	A	G	4p16.3	10.14
AEKP01173217.1	1116	A	G	17q25.3	6.06
AEKP01173217.1	16957	G	C	17q25.3	7
AEKP01173217.1	21850	C	T	17q25.3	8.26
AEKP01173219.1	3850	T	C	17q25.3	6.45
AEKP01176687.1	344	C	T	19q13.11	8.79
AEKP01181168.1	27865	T	A	11q12.1	10.09
AEKP01181168.1	29821	G	A	11q12.1	6.33
AEKP01181168.1	31855	G	A	11q12.1	6.11
AEKP01184018.1	62692	C	T	12q12	7.91
AEKP01188814.1	741	G	A	16q24.2	13.16
AEKP01191575.1	360	C	T	6q27	6.12
AEKP01191761.1	16662	C	T	5p14.3	9.25
AEKP01198281.1	15954	A	G	5p12	8.33
AEKP01209136.1	4676	T	G	7q22.1	6.41
AEKP01209136.1	5544	C	T	7q22.1	8.41
AEKP01209137.1	6490	T	C	7q22.1	8.84
AEKP01209137.1	8414	C	G	7q22.1	12.95
AEKP01209138.1	853	C	T	7q22.1	13.48
AEKP01209138.1	1333	C	T	7q22.1	15.63
AEKP01209139.1	810	G	A	7q22.1	10.62
AEKP01209144.1	287	C	T	7q22.1	8.18
AEKP01209144.1	756	C	T	7q22.1	12.83
AEKP01209148.1	3171	C	A	7q22.1	10.46
AEKP01209288.1	4087	T	C	16p13.3	12.43
AEKP01209288.1	4188	A	G	16p13.3	10.08
AEKP01209350.1	8365	A	C/T	3q11.2	11.72
AEKP01209353.1	386	A	G	3p11.1	6.81
AEKP01209353.1	688	C	T	3q11.2	13.42
AEKP01209353.1	1260	C	T	3p11.1	8.07
AEKP01209353.1	3444	A	C	3q11.2	7.91
AEKP01209359.1	5414	C	G	3q11.2	13.22
AEKP01209359.1	6299	G	T	3p11.1	6.09
AEKP01210449.1	9378	G	A	1q42.3	11.91
AEKP01210449.1	10855	T	C	1q42.3	17.57
AEKP01210449.1	11784	A	G	1q42.3	10.41
AEKP01210449.1	12051	T	A	1q42.3	6.21
AEKP01210449.1	12867	A	G	1q42.3	13.11
AEKP01210449.1	13088	G	A	1q42.3	10.41
AEKP01210449.1	13406	G	A	1q42.3	10.64
AEKP01210449.1	13701	G	A	1q42.3	7.58
AEKP01210449.1	14218	T	A	1q42.3	7.64
AEKP01210497.1	2460	G	A	22q11.1	6.31
AEKP01210516.1	4307	G	A	22q11.1	6.27
AEKP01210516.1	6098	G	A	22q11.1	6.1
AEKP01210519.1	9475	G	A	22q11.1	7.91
AEKP01211350.1	1271	C	T	12q12	14.66
AEKP01211350.1	1390	T	C	12p11.21-12p11.1	6.02
AEKP01211350.1	1392	C	T	12p11.21-12p11.1	6.21
AEKP01211350.1	1436	C	A	12q12	9.09

AEKP01211498.1	8951	C	A	7p11.2	7.39
AEKP01211929.1	6180	A	G	10p11.21	7.66
AEKP01211977.1	2399	G	A	10q11.22	11.65
AEKP01211977.1	2995	A	G	10q11.23	7.99
AEKP01211977.1	3447	T	A	10q11.23	8.15
AEKP01211977.1	3848	G	A	10q11.23	9.25
AEKP01212438.1	281	G	A	22q11.1	7.22
AEKP01212438.1	2830	G	T	22q11.1	8.37
AEKP01212443.1	7760	G	T	22q11.1	8.86
AEKP01212857.1	5248	A	G	10q11.21	6.62
AEKP01212874.1	1075	C	A	10p11.21	6.73
AEKP01212879.1	1657	G	A	20q11.22	6.12
AEKP01212879.1	1678	C	T	20q11.21	6.16
AEKP01213157.1	10570	A	C	5q11.1	6.12
AEKP01213520.1	204	G	T	14q11.2	6.28
AEKP01213520.1	205	C	A/T	14q11.2	6.2
AEKP01214478.1	491	G	T	9p13.1	7.12
AEKP01214482.1	9029	G	A	9q21.12	6.4
AEKP01214494.1	5701	A	G	9q21.12	6.27
AEKP01215121.1	2449	A	G	7q11.22	7.11
AEKP01215124.1	2088	A	C	7p12.3	7.17
AEKP01215124.1	8691	G	A	7p12.3	6.93
AEKP01215262.1	160	G	A	6q11.1-6q11.2	6.98
AEKP01215489.1	779	A	T	17q11.2	6.88
AEKP01215490.1	2434	C	T	17p11.2	6.16
AEKP01215490.1	2737	T	A	17p11.2	6.53
AEKP01215584.1	1153	C	T	14q11.2	6.87
AEKP01215704.1	2840	G	A	20p11.21	6.61
AEKP01215704.1	3094	G	A	20q11.21	6.05
AEKP01215704.1	3591	T	C	20q11.21	6.38
AEKP01215790.1	3778	C	T	2q11.1	6.89
AEKP01216482.1	394	C	T	17q11.2	7.71
AEKP01216719.1	4036	T	C	20p11.21	7.57
AEKP01217099.1	695	A	T	7p12.2	6.19
AEKP01217099.1	696	A	C	7p12.3	6.15
AEKP01217528.1	1214	C	T	9q21.12	7.41
AEKP01218556.1	805	A	T	20q11.21	12.36
AEKP01218574.1	731	G	A	14q11.2	6.54
AEKP01218574.1	1216	G	A/C	1q21.1	7.07
AEKP01218890.1	354	T	C	14q11.2	6.16
AEKP01218890.1	964	T	G	14q11.2	6.67
AEKP01219265.1	173	A	C/T	7p12.3	6.16
AEKP01219265.1	544	T	C	7p12.3	6.77
AEKP01219266.1	902	G	C/T	7p12.3	6.99
AEKP01219323.1	800	A	G	19q13.11	7.17
AEKP01220912.1	808	T	C	7q11.22	8.02
AEKP01221212.1	358	G	T	14q11.2	6.2
AEKP01221214.1	975	G	C	14q11.2	6.33
AEKP01222192.1	985	G	A	20q11.21	6.32
AEKP01222346.1	717	C	T	20p11.21	7.29
AEKP01222346.1	1281	C	T	20q11.23	7.51
AEKP01222346.1	1285	C	T	20p11.21	7.8
AEKP01222346.1	1287	A	C/G/T	20p11.21	8.72

AEKP01222773.1	273	T	G	20q11.21	11.13
AEKP01222773.1	322	A	C	20q11.22	8.56
AEKP01222773.1	340	T	A	20q11.22	7.44
AEKP01222773.1	425	G	C	20p11.21	8.46
AEKP01222773.1	580	A	C/G	20p11.21	6.52
AEKP01222773.1	1124	G	A	20q11.21	6.92
AEKP01222773.1	1351	C	G	20q11.21	11.7
AEKP01222781.1	821	G	A	14q11.2	6.87
AEKP01224070.1	1341	G	A	14q11.2	6.74
AEKP01225207.1	291	A	G	8q24.11	11.71
AEKP01225972.1	766	A	G	20p11.21	7.04
AEKP01225972.1	1126	T	A	20q11.21	6.98
AEKP01227454.1	483	A	G	20q11.21	6.57
AEKP01227454.1	797	G	T	20q11.21	6.72
AEKP01227454.1	877	T	G	20p11.21	6.83
AEKP01228136.1	858	C	A	22q11.1	6.19
AEKP01228275.1	547	A	T	19p11-19q11	6.45
AEKP01228393.1	171	G	A/T	20p11.21	7.6
AEKP01228393.1	234	G	C/T	20p11.21	6.91
AEKP01228393.1	377	C	T	20p11.21	6.1
AEKP01228393.1	664	C	A	20q11.21	6.04
AEKP01228393.1	816	G	A/C	20p11.21	8.12
AEKP01228393.1	876	G	A	20q11.21	6.03
AEKP01228393.1	924	G	C	20q11.21	11.01

Table S2. Mapped scaffolds from hs37d5.

Accession	Clone/Scaffold Name	Length	Decoy	Mapping	SNPs LOD \geq 6
AC006359.3	DJ1135M02	118,730	14,732	1p12	1
AC006453.3	RP4-614C10	155,313	21,861	2q11.1	20
AC010098.8	RP11-400J9	176,043	35,075	1q21.1	4
AC011850.12	RP11-364J18	164,681	164,681	20q11.21	6
AC018688.9	RP11-462H3	170,204	163,121	20q11.22	15
AC018692.9	RP11-555K2	189,789	189,789	21q11.2	3
AC026131.4	RP11-458M15	174,688	30,524	10p11.21	7
AC026273.7	CTD-2314M3	144,645	118,722	2p11.2	11
AC040978.8	RP11-570L14	180,983	2,300	8q24.3	10
AC069213.22	RP11-338O10	171,460	27,162	3q29	24
AC079801.2	RP11-717F1	177,312	172,228	21q11.2	9
AC079934.3	RP11-327C24	47,736	47,736	1q21.1	2
AC092107.5	RP11-755J8	137,617	135,288	20q11.21	4
AC093749.3	RP11-30B7	163,102	160,389	22q11.1	1
AC099395.2	CTD-2152B9	67,826	9,511	7q34	1
AC104301.2	RP11-150N22	189,610	180,137	20q11.22	82
AC109135.2	RP11-240C17	175,099	117,528	1q21.1	8
AC110072.3	RP11-18C16	188,672	125,028	7p11.2	1
AC114745.6	RP11-116D16	142,666	1,718	2q31.1	1
AC114936.2	CTD-2185N3	84,596	2,801	5q35.3	1
AC116618.4	RP11-98L17	153,040	148,815	22q11.21	2
AC127380.4	RP11-1324J5	198,735	194,259	9q21.11	1
AC127701.2	RP11-79F18	161,405	77,395	7p12.3	3
AC129531.8	RP11-188B1	164,068	30,549	17q24.1	26
AC129664.7	RP11-237A9	183,495	183,411	21q11.2	1
AC129779.2	RP11-1360O11	28,549	26,797	16q12.1	1
AC129782.3	RP11-28O7	66,860	66,199	1q21.1	2
AC133920.2	RP11-413O9	197,357	56,111	16p11.2	1
AC136499.2	RP11-240C14	92,689	92,689	5p12	16
AC137488.2	CTD-2506I5	167,135	121,805	22q11.21	1
AC138774.4	RP11-1320P3	194,050	158,495	14q11.2	2
AC144895.2	RP11-399H16	153,799	102,820	2p11.2	6
AC144896.3	RP11-1129K24	161,471	120,715	2p11.2	6
AC145060.2	XXfos-801911F12	38,914	38,914	8q11.21	1
AC145166.2	XXfos-82794E5	37,498	37,498	17p11.2	1
AC145205.2	RP11-1224M18	81,310	81,310	17q25.3	23
AC145209.2	XXfos-85688H6	41,001	41,001	17q25.3	1
AC153808.1	fa0674	34,038	20,788	10q26.2	1
AC158326.1	WI2-3051A23	37,697	8,962	12q13.3	3
AC187650.1	WI2-3349D13	37,072	21,332	17q25.3	20
AC187817.1	WI2-2097P24	43,487	23,470	17p11.2	2
AC195745.1	WI2-486E17	38,794	13,408	12q24.32	5
AC196515.1	WI2-1526M3	40,094	9,066	8q24.21	2
AC203638.2	ABC10-44051000F11	39,904	7,806	16q23.1	5
AC203659.3	ABC10-45533600F2	39,607	7,564	15q11.2	2
AC206474.2	ABC10-44704200O4	38,506	2,995	21q21.3	1
AC206587.3	ABC9-41277500N5	36,826	2,094	19p13.3	1

AC206743.2	ABC9-43938300A6	38,082	12,585	21q11.2	3
AC207442.4	ABC9-43902500N11	38,709	3,865	1q44	4
AC207597.3	ABC9-41234200G22	36,552	2,814	13q21.33	1
AC207713.3	ABC9-43995000N18	37,010	2,575	14q21.3	1
AC207999.3	ABC10-44707100B13	39,056	3,998	2p25.2	2
AC208064.3	ABC10-1622670B2	39,836	6,955	4q31.3	1
AC208152.3	ABC9-43938200G13	42,503	8,786	3q26.1	4
AC208170.4	ABC9-45484000L12	40,315	16,845	2q31.1	3
AC208171.3	ABC9-43903900J14	39,420	7,758	5q23.1	3
AC208500.2	ABC9-43832800J17	41,730	7,052	12q14.1	1
AC208585.5	ABC9-43863900H3	35,221	3,717	21q21.1	2
AC208587.4	ABC9-43972000F21	33,595	5,012	11p15.5	1
AC208871.3	ABC12-46761600C20	38,697	4,091	2q37.3	25
AC209007.3	ABC9-41296000J2	35,161	7,238	1p35.2	6
AC209232.3	ABC9-46008800D8	38,735	7,503	1p36.12	15
AC209234.3	ABC9-44043600B8	39,351	27,833	6q14.1	3
AC209236.4	ABC9-43918400K12	37,276	11,573	20q13.13	2
AC209310.3	ABC10-45493300P2	36,495	4,496	19p13.3	3
AC209618.3	ABC10-44079000E18	37,236	3,203	22q12.3	2
AC210865.4	ABC12-49210300E11	38,499	3,328	17q25.1	1
AC212296.2	ABC9-43936400D18	36,649	7,777	1p31.1	1
AC212752.2	ABC9-43902800P4	42,518	1,407	1q31.3	1
AC212759.2	ABC9-43831400G1	41,068	6,898	13q31.1	4
AC213027.4	ABC10-44501900J7	38,460	4,132	17q21.31	1
AC213033.3	ABC9-43852500P10	39,631	10,276	3p13	3
AC213191.1	WI2-1064N2	37,442	2,144	15q24.2	3
AC213223.1	ABC7_000042515900_E16	33,893	11,260	11q12.1	9
AC215700.3	ABC13-47640400A11	35,726	3,691	14q32.12	3
AC215710.4	ABC9-41232900G14	36,238	5,238	9q33.3	4
AC216142.3	ABC13-48647000H2	39,729	6,162	2q24.2	4
AC216971.3	ABC13-47619300L5	40,594	6,861	18q22.3	2
AC217018.3	ABC11-49495200J4	40,240	31,693	7q22.1	14
AC223430.3	ABC10-45542300G14	41,361	6,423	8p23.1	6
AC223431.3	ABC9-44019700C24	36,110	4,777	12p13.1	7
AC225099.4	ABC12-47020000H10	39,795	4,329	1q43	1
AC225168.3	ABC11-48431600C18	38,740	31,731	6q27	1
AC225595.1	ABC14-50997500E11	37,409	3,242	11q13.4	1
AC225768.2	ABC14-50084100O22	37,715	4,608	2q33.3	3
AC225889.3	ABC8-5698349N15	43,395	21,776	20p11.21	12
AC226622.3	ABC11-47381000M22	39,605	7,382	14q21.3	1
AC226627.3	ABC12-46374000B15	38,104	3,715	16q22.2	7
AC226758.3	ABC11-47366600H9	39,227	6,112	4q22.1	1
AC231386.2	ABC10-44487500M2	41,035	5,537	17q21.2	6
AC231980.2	ABC8-21269400I17	28,355	3,471	2q14.1	1
AC231987.2	ABC7-42756300M20	34,193	2,646	19q13.11	1
AC231988.2	ABC7-42509700P1	34,660	13,974	18q22.1	3
AC233266.3	CH17-257B11	200,859	52,993	2p11.2	11
AC233274.2	ABC8-41097800F4	35,644	1,353	17p13.3	1
AC233698.3	CH17-16P3	205,905	6,425	17q12	5
AC233702.5	CH17-53B9	237,913	32,188	17p11.2	8
AC233714.2	ABC7-43046200P7	35,470	10,287	6q27	1
AC233754.2	ABC9-43854500L1	40,574	36,331	6p12.3	2
AC234063.4	RP11-281H18	171,953	97,656	17q24.1	41

AC234228.3	ABC9-43863900G3	37,788	7,491	3q29	4
AC234301.2	ABC10-44687300P14	40,906	7,464	14q32.33	2
AC234421.2	ABC9-43854600O13	41,090	34,654	11q13.4	9
AC235759.2	ABC11-48400200G4	36,760	1,961	12q21.1	1
AC235952.3	ABC8-26193400I12	37,021	27,265	3p14.1	6
AC238709.3	ABC24-1841L3	39,139	7,161	19q13.11	4
AC238893.3	ABC22-1574J16	39,703	22,567	19p13.2	1
AC238894.3	ABC22-2602C16	40,215	1,247	20q13.33	1
AC238958.2	ABC16-1709C3	37,499	3,948	2q21.3	1
AC239584.4	CH17-186K1	188,924	7,642	4q13.3	24
AC239860.3	CH17-262O2	191,275	35,427	1q21.1	3
AC239873.3	COR2A-DD0002RKBNU_E11	33,126	5,927	22q11.23	4
AC240508.1	ABC11-47394600O21	42,401	7,660	3q13.2	1
AC240577.2	COR02-DD0002K7INU_L24	34,255	6,357	17q24.3	1
AC241442.1	ABC9-43895800H12	37,538	5,860	8q24.3	2
AC241586.3	CH17-289G7	221,610	28,747	1p11.2	3
AC241851.2	ABC13-47492900H13	39,984	33,962	2q11.1	2
AC242001.2	WI2-612D10	44,131	43,899	5p12	9
AC242192.3	ABC7-40649600O11	37,234	28,496	20q11.21	14
AC242285.2	ABC12-47837900C21	39,826	39,826	20q11.21	5
AC242289.3	ABC12-49026200G7	40,614	8,222	1p36.22	2
AC242309.1	ABC11-47398500K24	38,951	4,865	3p24.3	2
AC242666.3	ABC14-50103400N18	38,443	6,146	10p11.21	1
AC243974.2	CH17-93H22	121,220	1,892	12p13.2	2
AC244027.1	COR2A-DD0002JKHNU_B6	34,792	6,912	1p36.22	1
AEKP01009090.1	cont1.9089	60,077	1,074	9q34.2	1
AEKP01009295.1	cont1.9294	14,377	14,377	9q34.3	1
AEKP01009296.1	cont1.9295	16,094	14,517	9q34.3	1
AEKP01012023.1	cont1.12022	4,355	1,736	10p11.21	1
AEKP01020329.1	cont1.20328	4,582	1,081	18q21.2	1
AEKP01020477.1	cont1.20476	8,842	3,808	18q21.2	2
AEKP01021472.1	cont1.21471	9,483	5,611	18q22.2	1
AEKP01024816.1	cont1.24815	32,224	22,293	3p14.1	7
AEKP01026639.1	cont1.26638	3,561	2,484	14q32.33	1
AEKP01028421.1	cont1.28420	96,894	12,145	15q22.31	1
AEKP01028972.1	cont1.28971	16,178	2,500	3q21.2	1
AEKP01032148.1	cont1.32147	37,486	5,971	12q24.11	2
AEKP01044255.1	cont1.44254	14,218	5,728	2q37.1	1
AEKP01044945.1	cont1.44944	9,837	1,557	3q29	1
AEKP01046855.1	cont1.46854	3,745	1,005	13q12.3	2
AEKP01047722.1	cont1.47721	32,455	1,613	13q14.11	1
AEKP01050701.1	cont1.50700	4,230	2,041	12p13.2	2
AEKP01050790.1	cont1.50789	6,030	6,030	6q27	3
AEKP01050831.1	cont1.50830	15,490	1,610	6q27	2
AEKP01056923.1	cont1.56922	44,610	1,178	3q26.2	2
AEKP01061772.1	cont1.61771	43,189	2,299	8p21.3	3
AEKP01069476.1	cont1.69475	13,001	4,083	20q11.21-20q11.22	2
AEKP01069477.1	cont1.69476	9,737	7,071	20q11.22	2
AEKP01075945.1	cont1.75944	77,014	1,958	20p11.21	2
AEKP01077264.1	cont1.77263	8,234	1,805	9q21.13	3
AEKP01079279.1	cont1.79278	5,514	4,061	7q32.1	1
AEKP01079702.1	cont1.79701	98,915	1,105	7q33	1
AEKP01080035.1	cont1.80034	25,499	9,388	7q34	8

AEKP01080279.1	cont1.80278	22,430	10,454	7q35	1
AEKP01091774.1	cont1.91773	31,102	1,619	1q24.1	1
AEKP01093265.1	cont1.93264	12,586	4,377	10q21.1	4
AEKP01094557.1	cont1.94556	29,486	7,518	17q22	6
AEKP01095456.1	cont1.95455	8,628	1,113	7q21.11	4
AEKP01110547.1	cont1.110546	6,594	1,045	21q22.3	1
AEKP01110973.1	cont1.110972	11,849	4,287	2q34	1
AEKP01114218.1	cont1.114217	57,236	13,684	1q32.1	4
AEKP01117124.1	cont1.117123	55,082	42,365	6q16.1	3
AEKP01122432.1	cont1.122431	38,407	1,352	10q24.1	2
AEKP01126737.1	cont1.126736	4,528	1,320	12p13.31	1
AEKP01128935.1	cont1.128934	4,427	1,283	14q12	1
AEKP01132292.1	cont1.132291	9,536	7,504	22q13.32	2
AEKP01139726.1	cont1.139725	31,970	2,488	1q42.2	1
AEKP01147502.1	cont1.147501	23,922	11,216	10q26.3	4
AEKP01149793.1	cont1.149792	16,840	3,873	13q34	2
AEKP01149802.1	cont1.149801	16,247	16,247	13q34	1
AEKP01150066.1	cont1.150065	8,530	4,752	13q34	1
AEKP01151782.1	cont1.151781	33,761	2,376	4p16.1	6
AEKP01153555.1	cont1.153554	2,878	2,275	7p22.3	3
AEKP01153556.1	cont1.153555	6,466	5,252	7p22.3	3
AEKP01158634.1	cont1.158633	1,609	1,540	12q12	1
AEKP01158635.1	cont1.158634	2,490	2,490	12q12	2
AEKP01158637.1	cont1.158636	20,364	11,908	12q12	28
AEKP01163119.1	cont1.163118	8,153	1,242	1p36.22	1
AEKP01166084.1	cont1.166083	15,980	11,428	9q22.1	4
AEKP01166223.1	cont1.166222	23,702	14,069	9q22.2	3
AEKP01166227.1	cont1.166226	111,583	67,571	9q22.2	12
AEKP01170916.1	cont1.170915	54,457	38,372	10q26.13	1
AEKP01171132.1	cont1.171131	27,684	2,699	11q13.3	2
AEKP01171765.1	cont1.171764	15,614	15,533	4p16.3	9
AEKP01171767.1	cont1.171766	12,179	11,981	4p16.3	6
AEKP01171768.1	cont1.171767	47,781	4,064	4p16.3	2
AEKP01173217.1	cont1.173216	25,635	25,474	17q25.3	3
AEKP01173219.1	cont1.173218	26,006	3,984	17q25.3	1
AEKP01176687.1	cont1.176686	1,255	1,255	19q13.11	1
AEKP01181168.1	cont1.181167	44,379	7,585	11q12.1	3
AEKP01184018.1	cont1.184017	88,451	7,607	12q12	1
AEKP01188814.1	cont1.188813	11,669	11,669	16q24.2	1
AEKP01191575.1	cont1.191574	1,752	1,752	6q27	1
AEKP01191761.1	cont1.191760	17,200	1,836	5p14.3	1
AEKP01198281.1	cont1.198280	18,164	5,288	5p12	1
AEKP01209136.1	cont1.209135	10,581	5,765	7q22.1	2
AEKP01209137.1	cont1.209136	10,770	10,770	7q22.1	2
AEKP01209138.1	cont1.209137	5,856	5,856	7q22.1	2
AEKP01209139.1	cont1.209138	1,658	1,658	7q22.1	1
AEKP01209144.1	cont1.209143	1,729	1,729	7q22.1	2
AEKP01209148.1	cont1.209147	3,389	3,319	7q22.1	1
AEKP01209288.1	cont1.209287	10,110	6,084	16p13.3	2
AEKP01209350.1	cont1.209349	13,208	13,113	3q11.2	1
AEKP01209353.1	cont1.209352	4,596	4,505	3q11.2	4
AEKP01209359.1	cont1.209358	8,943	8,943	3q11.2	2
AEKP01210449.1	cont1.210448	21,797	15,950	1q42.3	9

AEKP01210497.1	cont1.210496	3,956	3,831	22q11.1	1
AEKP01210516.1	cont1.210515	12,668	12,668	22q11.1	2
AEKP01210519.1	cont1.210518	10,880	10,880	22q11.1	1
AEKP01211350.1	cont1.211349	2,435	2,268	12q12	4
AEKP01211498.1	cont1.211497	12,825	12,825	7p11.2	1
AEKP01211929.1	cont1.211928	22,974	22,522	10p11.21	1
AEKP01211977.1	cont1.211976	15,803	4,693	10q11.22	4
AEKP01212438.1	cont1.212437	3,817	3,741	22q11.1	2
AEKP01212443.1	cont1.212442	8,634	8,634	22q11.1	1
AEKP01212857.1	cont1.212856	9,281	9,105	10q11.21	1
AEKP01212874.1	cont1.212873	1,737	1,737	10p11.21	1
AEKP01212879.1	cont1.212878	2,735	2,622	20q11.21	2
AEKP01213157.1	cont1.213156	13,593	2,647	5q11.1	1
AEKP01213520.1	cont1.213519	1,700	1,641	14q11.2	2
AEKP01214478.1	cont1.214477	2,284	2,284	9p13.1	1
AEKP01214482.1	cont1.214481	10,358	10,358	9q21.12	1
AEKP01214494.1	cont1.214493	12,031	11,113	9q21.12	1
AEKP01215121.1	cont1.215120	9,333	9,280	7q11.22	1
AEKP01215124.1	cont1.215123	12,576	12,473	7p12.3	2
AEKP01215262.1	cont1.215261	1,238	1,183	6q11.1-6q11.2	1
AEKP01215489.1	cont1.215488	1,432	1,432	17q11.2	1
AEKP01215490.1	cont1.215489	10,488	10,488	17p11.2	2
AEKP01215584.1	cont1.215583	1,877	1,833	14q11.2	1
AEKP01215704.1	cont1.215703	4,355	4,277	20p11.21	3
AEKP01215790.1	cont1.215789	7,472	7,403	2q11.1	1
AEKP01216482.1	cont1.216481	1,322	1,261	17q11.2	1
AEKP01216719.1	cont1.216718	4,931	4,795	20p11.21	1
AEKP01217099.1	cont1.217098	1,259	1,159	7p12.2	2
AEKP01217528.1	cont1.217527	1,411	1,267	9q21.12	1
AEKP01218556.1	cont1.218555	1,510	1,415	20q11.21	1
AEKP01218574.1	cont1.218573	1,784	1,727	1q21.1	2
AEKP01218890.1	cont1.218889	1,645	1,431	14q11.2	2
AEKP01219265.1	cont1.219264	1,137	1,046	7p12.3	2
AEKP01219266.1	cont1.219265	2,540	2,446	7p12.3	1
AEKP01219323.1	cont1.219322	1,976	1,976	19q13.11	1
AEKP01220912.1	cont1.220911	2,423	2,299	7q11.22	1
AEKP01221212.1	cont1.221211	1,126	1,080	14q11.2	1
AEKP01221214.1	cont1.221213	1,761	1,528	14q11.2	1
AEKP01222192.1	cont1.222191	1,422	1,327	20q11.21	1
AEKP01222346.1	cont1.222345	1,365	1,365	20p11.21	4
AEKP01222773.1	cont1.222772	1,601	1,601	20q11.21	7
AEKP01222781.1	cont1.222780	1,390	1,390	14q11.2	1
AEKP01224070.1	cont1.224069	2,441	2,441	14q11.2	1
AEKP01225207.1	cont1.225206	1,600	1,071	8q24.11	1
AEKP01225972.1	cont1.225971	1,436	1,349	20p11.21	2
AEKP01227454.1	cont1.227453	1,257	1,098	20p11.21	3
AEKP01228136.1	cont1.228135	1,201	1,201	22q11.1	1
AEKP01228275.1	cont1.228274	1,192	1,031	19p11-19q11	1
AEKP01228393.1	cont1.228392	1,184	1,090	20q11.21	7
AL137861.5	RP4-813B7	127,682	97,063	1q21.1	1
AL163540.11	RP11-348N17	166,566	166,566	9q21.12	41
AL354926.17	RP1-216J23	163,140	128,103	3p11.1	5
AL356585.7	RP11-341D18	186,858	186,858	13q12.11	18

AL360154.30	RP11-499D3	240,434	240,434	1q21.2	45
AL590523.5	RP11-565G5	155,397	155,397	3q11.2	1
AL591856.26	RP11-426M5	179,693	179,693	4q31.3	1
AL592188.60	RP11-337M7	161,802	161,802	1p36.11	1
AL772161.10	CTD-2612A24	149,482	2,624	9q34.2	1
AL837517.14	RP11-20K6	90,085	90,085	20q11.21	63
AL845331.2	RP11-407P15	185,111	53,859	2p11.2	5
AL929347.8	RP3-433O3	128,374	128,374	6p25.3	5
BX072566.10	RP11-25L22	164,239	164,239	21q11.2	1
BX088702.10	RP11-49E18	169,874	169,874	9q21.11	1
BX119317.2	RP5-875J12	40,176	29,109	1p11.2	1
BX546479.5	RP11-438N17	172,294	172,294	1q21.1	3
BX640538.4	RP6-238B6	165,731	162,788	9p13.1	2
CR854858.22	RP13-177J6	168,039	16,141	1p36.22	7
CT963082.1	SC22CB-105A1	34,474	34,474	14q11.2	2
CU459023.3	SC22CB-53A6	39,929	39,929	22q11.21	1
CU459188.2	SC22CB-79C9	38,502	38,502	22q12.1	1
CU459200.1	SC22CB-33E8	39,786	39,786	22q12.3	7
CU463998.4	SC22CB-18G3	41,933	41,933	14q11.2	11
FP325312.10	CH17-297E19	167,577	59,872	16q12.1	2
FP325329.5	CH17-92N24	133,324	77,650	6p11.1-6q11.1	5
FP565171.2	ABC11-4932300O16	40,072	39,099	10q26.3	1
FP565324.3	ABC13-47488600E17	29,640	27,640	13q34	1
FP565421.3	ABC8-2141940I11	28,391	26,391	20p11.21	17
FP565794.2	ABC10-44500200G24	36,974	34,835	10q11.21	2
FP565795.1	ABC10-44589700B18	44,161	42,366	6q27	1
FP671131.2	ABC10-44560800J4	25,376	23,376	9q22.2	6
FP885534.9	RP11-687L3	50,801	44,125	6q21	2
FP885917.2	ABC9-43970700E22	40,121	39,233	18p11.21-18q11.1	4
GL383545.1	REGION16	179,254	47,381	10p12.1	2
GL383561.1	REGION27	406,963	7,464	17q11.2	1
GL582971.1	TRB	1,284,284	132,050	7q34	64
NW_001837937.2	SCAF_1103279181459	348,326	47,196	10p11.21	3
NW_001837939.1	SCAF_1103279188024	187,120	30,782	10p11.21	1
NW_001837986.1	SCAF_1103279188100	18,599,630	12,365	10q21.3	6
NW_001837992.1	SCAF_1103279188224	2,546,465	4,273	10q23.2	2
NW_001838006.2	SCAF_1103279188397	24,511,762	4,806	10q26.11	1
NW_001838009.1	SCAF_1103279187648	183,966	105,860	10q26.13	27
NW_001838012.1	SCAF_1103279186286	717,948	2,968	10q26.3	7
NW_001838014.1	SCAF_1103279182339	2,024,395	52,053	10q26.3	4
NW_001838016.1	SCAF_1103279187360	831,883	19,470	11p15.5	2
NW_001838022.2	SCAF_1103279188392	42,354,830	44,599	11p11.2	3
NW_001838025.2	SCAF_1103279188141	4,754,575	8,414	11q13.3	1
NW_001838027.1	SCAF_1103279184614	1,630,675	3,202	11q13.3	1
NW_001838028.2	SCAF_1103279187758	16,912,879	12,876	11q13.4	1
NW_001838042.2	SCAF_1103279188268	30,784,356	20,684	11q21	2
NW_001838050.1	SCAF_1103279187803	1,606,017	4,504	12p13.31	2
NW_001838055.2	SCAF_1103279188198	3,582,625	15,543	12q12	25
NW_001838056.1	SCAF_1103279188339	2,924,792	234,350	12q12	127
NW_001838061.2	SCAF_1103279188362	32,873,191	8,284	12q23.3	3
NW_001838069.1	SCAF_1103279188411	4,447,775	4,432	13q12.12	7
NW_001838084.2	SCAF_1103279188152	25,468,656	11,670	13q33.3	1
NW_001838112.2	SCAF_1103279188136	3,450,084	2,162	14q24.2	1

NW_001838115.2	SCAF_1103279188327	8,970,161	1,895	14q32.2-14q32.31	2
NW_001838199.1	SCAF_1103279184670	1,181,317	6,876	15q13.1	1
NW_001838285.2	SCAF_1103279187918	288,509	68,646	16q11.2	6
NW_001838286.2	SCAF_1103279180723	1,738,874	505,951	16q12.1	83
NW_001838329.1	SCAF_1103279188231	1,979,435	2,492	16q24.1	1
NW_001838403.1	SCAF_1103279188371	15,048,748	17,176	17p13.3	4
NW_001838429.2	SCAF_1103279182626	710,255	50,898	17p11.2	6
NW_001838456.2	SCAF_1103279186804	462,643	11,216	17q25.3	3
NW_001838458.1	SCAF_1103279188205	1,243,949	12,718	17q25.3	1
NW_001838466.2	SCAF_1103279188324	595,963	61,453	18p11.21	40
NW_001838467.2	SCAF_1103279188127	26,055,378	12,843	18p11.21	4
NW_001838469.1	SCAF_1103279188375	20,098,677	11,986	18q22.1	1
NW_001838473.1	SCAF_1103279186821	2,011,078	13,895	18q23	2
NW_001838484.1	SCAF_1103279188355	9,820,154	49,698	19p12	1
NW_001838489.1	SCAF_1103279179572	63,702	30,907	5p12	1
NW_001838549.1	SCAF_1103279188217:1-11933214	11,933,214	14,071	1q42.3	5
NW_001838554.1	SCAF_1103279188199	1,916,163	6,875	1q44	1
NW_001838579.2	SCAF_1103279188432	32,841,984	17,941	1p32.3	1
NW_001838585.1	SCAF_1103279187495	1,892,662	48,900	1p36.33	2
NW_001838589.2	SCAF_1103279188310	20,217,283	56,133	1p21.1	2
NW_001838662.2	SCAF_1103279181968	316,248	48,949	20q11.21	50
NW_001838663.1	SCAF_1103279187386	295,056	56,886	20p11.21	28
NW_001838664.2	SCAF_1103279188091	5,121,961	12,718	20p11.21	6
NW_001838666.1	SCAF_1103279188360	19,874,876	55,848	20q13.2	4
NW_001838706.1	SCAF_1103279188379	23,891,590	18,190	21q22.11	22
NW_001838735.2	SCAF_1103279180335	2,346,680	510,555	22q11.1	2
NW_001838740.2	SCAF_1103279187391	770,531	7,936	22q11.21	1
NW_001838745.1	SCAF_1103279188372	21,026,802	27,266	22q13.2	5
NW_001838758.1	SCAF_1103279188242	1,278,286	6,393	2p25.3	2
NW_001838768.1	SCAF_1103279188306	8,993,619	5,458	2p23.3	1
NW_001838769.1	SCAF_1103279188433	57,109,151	14,905	2p22.1	3
NW_001838799.1	SCAF_1103279187941	77,227	53,458	2p11.2	85
NW_001838806.2	SCAF_1103279183166	107,815	21,640	2p11.2	5
NW_001838807.2	SCAF_1103279181286	951,222	71,847	2p11.2	13
NW_001838847.2	SCAF_1103279188313	6,770,479	7,915	2q14.1	1
NW_001838860.1	SCAF_1103279181862	20,525,979	5,817	2q24.1	1
NW_001838867.2	SCAF_1103279180702	2,142,460	5,013	2q37.1	2
NW_001838876.2	SCAF_1103279188107	10,342,433	7,252	3p26.3	1
NW_001838877.2	SCAF_1103279188143	55,925,128	62,829	3p14.3	14
NW_001838879.1	SCAF_1103279181846	3,863,712	253,661	3p11.1	64
NW_001838880.2	SCAF_1103279188151	4,994,819	86,920	3p12.1	9
NW_001838881.2	SCAF_1103279188393:20988471-42876610	21,888,140	2,368	3q13.13	1
NW_001838884.2	SCAF_1103279188385	64,955,803	14,029	3q25.2	3
NW_001838889.1	SCAF_1103279188225	1,691,284	9,954	3q29	2
NW_001838901.1	SCAF_1103279188431	6,914,347	6,035	4p15.1	2
NW_001838913.1	SCAF_1103279181232	7,095,704	13,225	4q13.1	2
NW_001838915.1	SCAF_1103279188399	43,867,763	6,670	4q13.3	1
NW_001838921.1	SCAF_1103279188415	50,948,600	44,793	4q35.1	3
NW_001838926.1	SCAF_1103279187504	3,561,194	8,372	5p15.31	1
NW_001838929.1	SCAF_1103279188406:7331849-20130985	12,799,137	85,783	6q11.1	3
NW_001838933.1	SCAF_1103279188142	10,735,191	37,203	5p12	2
NW_001838952.2	SCAF_1103279188412	47,124,617	42,331	5q23.2	4
NW_001838981.2	SCAF_1103279188350	17,736,765	167,567	6p12.1	8

NW_001838983.1	SCAF_1103279187980	515,533	5,787	6q11.1-6q11.2	1
NW_001838984.1	SCAF_1103279188263	3,180,744	461,141	6q12	36
NW_001838987.1	SCAF_1103279188274:60646-25191606	25,130,961	24,481	6q16.1	2
NW_001838988.2	SCAF_1103279187031	10,950,630	152,217	6q16.1	1
NW_001838990.2	SCAF_1103279188145	51,215,202	112,932	6q21	11
NW_001838996.1	SCAF_1103279188185	691,607	89,190	6q27	7
NW_001839003.1	SCAF_1103279188377	33,027,203	41,774	7p21.3	3
NW_001839018.1	SCAF_1103279187706	240,985	159,296	7q11.22	6
NW_001839023.2	SCAF_1103279188202	312,589	159,421	7q11.22	11
NW_001839067.2	SCAF_1103279185247	1,526,694	6,785	7q21.3	1
NW_001839071.2	SCAF_1103279188381:1-28934855	28,934,855	42,219	7q32.2	22
NW_001839100.2	SCAF_1103279188209	4,027,619	25,399	7q36.3	1
NW_001839139.2	SCAF_1103279186098	4,277,699	1,949	8q24.23	8
NW_001839142.2	SCAF_1103279181985	2,453,829	29,853	8q24.3	4
NW_001839149.2	SCAF_1103279188402	35,741,120	9,784	9p24.1	4
NW_001839181.1	SCAF_1103279188214	367,065	162,509	9q21.13	6
NW_001839219.2	SCAF_1103279187839	28,192	5,648	9q21.12	1
NW_001839221.1	SCAF_1103279188227	17,664,250	7,247	9q21.13	1
NW_001839223.1	SCAF_1103279187577	814,651	5,913	9q22.1	1
NW_001839257.1	SCAF_1103279179615	225,507	182,490	20q11.21	69
NW_001839258.1	SCAF_1103279179617	23,552	4,054	7q11.21	2
NW_001839268.1	SCAF_1103279179655	4,205	4,149	20p11.21	7
NW_001839279.1	SCAF_1103279179721	45,506	12,596	19p12	1
NW_001839286.1	SCAF_1103279179741	19,762	8,898	1q21.1	1
NW_001839300.1	SCAF_1103279179811	37,096	13,637	14q11.2	2
NW_001839307.1	SCAF_1103279179860	12,194	4,623	5p12	1
NW_001839317.1	SCAF_1103279179890	27,533	21,136	1q32.1	10
NW_001839334.1	SCAF_1103279179957	4,026	3,950	10p11.21	4
NW_001839350.1	SCAF_1103279180002	10,938	3,389	19p12	3
NW_001839364.1	SCAF_1103279180085	305,597	216,524	3q11.2	25
NW_001839405.1	SCAF_1103279180252	20,378	5,155	2q11.1	17
NW_001839418.1	SCAF_1103279180290	11,803	4,717	12q12	8
NW_001839429.1	SCAF_1103279180349	13,686	6,348	9q21.12	1
NW_001839440.1	SCAF_1103279180389	5,542	4,425	2p11.2	5
NW_001839441.1	SCAF_1103279180390	14,270	9,135	14q11.2	1
NW_001839455.1	SCAF_1103279180438	169,268	140,423	17p11.2	6
NW_001839457.1	SCAF_1103279180444	4,134	4,035	9p13.1	1
NW_001839464.1	SCAF_1103279180463	21,025	9,442	7q35	6
NW_001839466.1	SCAF_1103279180476	14,211	6,167	4p16.3	5
NW_001839470.1	SCAF_1103279180485	11,026	2,225	1q21.1	1
NW_001839474.1	SCAF_1103279180492	11,363	6,303	10q11.21	2
NW_001839481.1	SCAF_1103279180532	12,184	4,909	10q11.21	1
NW_001839485.1	SCAF_1103279180542	14,951	7,243	5p13.1	1
NW_001839494.1	SCAF_1103279180589	4,982	4,982	22q11.1	1
NW_001839509.1	SCAF_1103279180643	3,290	3,227	2p11.2	1
NW_001839547.1	SCAF_1103279180785	54,570	12,353	20p11.1	4
NW_001839568.1	SCAF_1103279180886	3,150	3,150	20q11.21	1
NW_001839575.1	SCAF_1103279180913	53,931	7,256	9q21.12	1
NW_001839576.1	SCAF_1103279180920	5,162	5,052	19p12	1
NW_001839589.1	SCAF_1103279180967	39,004	5,687	14q11.2	1
NW_001839590.1	SCAF_1103279180983	3,007	2,951	20q11.21	4
NW_001839600.1	SCAF_1103279181023	15,237	5,789	5p12	1
NW_001839641.1	SCAF_1103279181193	14,442	14,101	2p11.2	22

NW_001839653.1	SCAF_1103279181245	3,038	3,038	3p12.1	1
NW_001839668.1	SCAF_1103279181301	58,705	37,056	7p12.3	2
NW_001839689.1	SCAF_1103279181399	76,390	18,782	14q11.2	2
NW_001839704.1	SCAF_1103279181475	88,633	64,502	5q11.1	3
NW_001839705.1	SCAF_1103279181493	39,662	8,736	1p11.2	1
NW_001839712.1	SCAF_1103279181566	13,748	3,972	9q21.11	1
NW_001839714.1	SCAF_1103279181573	36,894	3,491	20p11.21	7
NW_001839716.1	SCAF_1103279181584	59,624	44,986	13q13.3	1
NW_001839718.1	SCAF_1103279181586	3,218	2,768	1q21.1	2
NW_001839722.1	SCAF_1103279181625	5,487	4,347	3p11.1	1
NW_001839726.1	SCAF_1103279181650	14,913	8,073	16q12.1	2
NW_001839736.1	SCAF_1103279181691	13,880	4,202	12q12	2
NW_001839744.1	SCAF_1103279181723	33,098	27,795	22q11.1	1
NW_001839760.1	SCAF_1103279181781	263,990	248,231	17q11.2	11
NW_001839762.1	SCAF_1103279181785	35,236	4,654	10p11.21	1
NW_001839774.1	SCAF_1103279181847	36,558	6,558	12q12	1
NW_001839779.1	SCAF_1103279181883	45,737	24,731	5p12	1
NW_001839806.1	SCAF_1103279182011	14,258	8,695	20q11.21	6
NW_001839822.1	SCAF_1103279182087	53,383	18,813	9q21.12	2
NW_001839831.1	SCAF_1103279182117	5,626	5,567	17q11.2	2
NW_001839840.1	SCAF_1103279182164	4,274	4,178	14q11.2	1
NW_001839850.1	SCAF_1103279182216	3,652	3,652	1q21.1	1
NW_001839852.1	SCAF_1103279182221	3,578	3,351	9q21.12	1
NW_001839865.1	SCAF_1103279182265	4,723	4,647	5p12	3
NW_001839881.1	SCAF_1103279182341	10,738	3,753	20q11.21	1
NW_001839898.1	SCAF_1103279182416	13,662	4,625	20q11.21	3
NW_001839932.1	SCAF_1103279182604	4,745	4,745	19p12	1
NW_001839938.1	SCAF_1103279182628	12,420	4,027	20p11.21	1
NW_001839949.1	SCAF_1103279182683	38,869	34,700	7p12.1	3
NW_001839952.1	SCAF_1103279182690	3,194	1,876	20q11.21	1
NW_001839960.1	SCAF_1103279182733	17,278	12,992	18p11.21	18
NW_001839963.1	SCAF_1103279182739	4,777	4,777	1q21.1	1
NW_001839966.1	SCAF_1103279182751	5,350	5,350	20p11.21	13
NW_001839996.1	SCAF_1103279182892	13,991	6,974	9q34.12	1
NW_001840009.1	SCAF_1103279182967	3,339	3,339	10q11.21	2
NW_001840030.1	SCAF_1103279183074	3,006	3,006	16q12.1	1
NW_001840034.1	SCAF_1103279183087	11,396	4,614	20p11.1	1
NW_001840050.1	SCAF_1103279183150	12,207	7,001	20p11.21	15
NW_001840060.1	SCAF_1103279183226	13,388	6,799	7p11.2	2
NW_001840082.1	SCAF_1103279183379	4,221	4,143	20q11.21	3
NW_001840086.1	SCAF_1103279183386	21,096	12,602	18p11.21	14
NW_001840094.1	SCAF_1103279183433	3,007	3,007	12p11.1	1
NW_001840121.1	SCAF_1103279183563	14,000	7,733	20p11.21	9
NW_001840125.1	SCAF_1103279183583	10,436	3,674	20q11.22	8
NW_001840164.1	SCAF_1103279183789	5,748	5,512	1q21.1	2
NW_001840172.1	SCAF_1103279183820	4,416	4,416	1q21.1	1
NW_001840180.1	SCAF_1103279183858	35,330	32,542	1q21.1	1
NW_001840192.1	SCAF_1103279183904	11,622	4,012	7p12.3	2
NW_001840200.1	SCAF_1103279183995	4,129	2,907	3q29	2
NW_001840224.1	SCAF_1103279184105	13,030	7,087	1q21.1	1
NW_001840232.1	SCAF_1103279184124	10,236	3,185	20q11.21	6
NW_001840239.1	SCAF_1103279184164	10,711	4,817	10p11.21	1
NW_001840272.1	SCAF_1103279184280	91,309	63,415	5p12	5

NW_001840274.1	SCAF_1103279184286	3,642	3,264	14q11.2	1
NW_001840304.1	SCAF_1103279184408	3,861	3,861	4q12	1
NW_001840306.1	SCAF_1103279184412	82,586	76,259	13q34	10
NW_001840308.1	SCAF_1103279184421	14,200	4,517	9p13.1	1
NW_001840319.1	SCAF_1103279184495	12,306	5,868	9q21.12	1
NW_001840338.1	SCAF_1103279184630	3,120	3,036	20p11.21	5
NW_001840347.1	SCAF_1103279184674	19,009	11,659	9p13.1	1
NW_001840348.1	SCAF_1103279184675	88,285	34,964	20p11.1	25
NW_001840369.1	SCAF_1103279184782	12,450	5,356	20p11.21	9
NW_001840386.1	SCAF_1103279184888	3,189	3,084	9q21.12	2
NW_001840413.1	SCAF_1103279185004	14,578	5,220	20p11.21	4
NW_001840418.1	SCAF_1103279185030	39,158	3,989	9p13.1	1
NW_001840421.1	SCAF_1103279185068	5,660	5,660	18p11.21	9
NW_001840441.1	SCAF_1103279185189	7,079	6,986	21q11.2	2
NW_001840462.1	SCAF_1103279185353	32,764	5,811	19p12	1
NW_001840472.1	SCAF_1103279185423	6,289	6,289	10p11.21	1
NW_001840490.1	SCAF_1103279185530	19,232	9,527	1p11.2	2
NW_001840518.1	SCAF_1103279185683	22,827	9,204	14q11.2	1
NW_001840527.1	SCAF_1103279185726	11,395	7,557	10p11.21	1
NW_001840531.1	SCAF_1103279185762	33,349	14,950	20q11.21	3
NW_001840538.1	SCAF_1103279185805	26,018	14,227	9q21.11	1
NW_001840540.1	SCAF_1103279185819	3,136	3,073	10q11.21	1
NW_001840543.1	SCAF_1103279185839	18,371	7,872	12q12	1
NW_001840549.1	SCAF_1103279185868	5,251	5,251	9q34.11	1
NW_001840553.1	SCAF_1103279185890	3,118	3,020	12q14.2	1
NW_001840555.1	SCAF_1103279185898	3,417	3,252	5q11.1	2
NW_001840567.1	SCAF_1103279185985	3,625	3,559	10p11.21	1
NW_001840592.1	SCAF_1103279186144	3,166	3,067	9q21.12	1
NW_001840621.1	SCAF_1103279186335	14,852	12,808	5q11.1	1
NW_001840631.1	SCAF_1103279186405	11,846	4,850	9q21.11	2
NW_001840640.1	SCAF_1103279186445	4,648	4,648	20p11.21	4
NW_001840653.1	SCAF_1103279186520	5,868	5,680	22q11.1	1
NW_001840675.1	SCAF_1103279186599	3,152	2,959	5q11.2	1
NW_001840704.1	SCAF_1103279186747	3,804	3,804	7q22.1	4
NW_001840711.1	SCAF_1103279186778	4,420	4,356	14q11.2	1
NW_001840755.1	SCAF_1103279187026	4,258	4,258	7q22.1	2
NW_001840761.1	SCAF_1103279187072	17,538	11,160	1q21.1	1
NW_001840766.1	SCAF_1103279187088	3,282	3,282	20p11.1	2
NW_001840780.1	SCAF_1103279187167	89,142	88,478	20q11.21	78
NW_001840794.1	SCAF_1103279187258	16,168	8,462	14q11.2	4
NW_001840806.1	SCAF_1103279187348	3,879	3,831	21q11.2	1
NW_001840814.1	SCAF_1103279187370	11,651	6,972	20p11.21	5
NW_001840853.1	SCAF_1103279187452	363,655	261,565	20q11.22	320
NW_001840862.1	SCAF_1103279187463	3,235	3,235	12q12	5
NW_001840871.1	SCAF_1103279187484	156,877	155,201	22q11.1	4
NW_001840887.1	SCAF_1103279187521	3,749	3,639	1q21.1	1
NW_001840932.1	SCAF_1103279187607	3,474	3,474	12q12	7
NW_001840933.1	SCAF_1103279187616	48,268	48,268	22q11.1	1
NW_001840943.1	SCAF_1103279187638	5,503	5,503	20p11.21	10
NW_001840944.1	SCAF_1103279187639	3,766	3,687	14q11.2	1
NW_001840947.1	SCAF_1103279187643	3,849	3,782	9q21.12	1
NW_001840958.1	SCAF_1103279187667	3,071	3,071	1q21.1	1
NW_001840993.1	SCAF_1103279187740	12,132	6,609	20q11.21	5

NW_001841011.1	SCAF_1103279187792	251,763	239,330	1p12	14
NW_001841025.1	SCAF_1103279187832	3,158	2,914	2q11.2	3
NW_001841032.1	SCAF_1103279187853	3,978	3,609	2p11.2	4
NW_001841035.1	SCAF_1103279187862	4,944	4,847	20q11.21	2
NW_001841050.1	SCAF_1103279187924	12,699	6,241	19p12	1
NW_001841051.1	SCAF_1103279187926	176,562	70,819	1q21.1	2
NW_001841054.1	SCAF_1103279187930	280,839	268,346	17p11.2	13
NW_001841056.1	SCAF_1103279187934	26,514	25,181	18p11.21	52
NW_001841068.1	SCAF_1103279187958	3,224	3,172	13q11	1
NW_001841078.1	SCAF_1103279187972	20,990	15,502	20q11.22	6
NW_001841084.1	SCAF_1103279187989	3,877	3,802	1q21.1	1
NW_001841085.1	SCAF_1103279187990	13,591	13,591	2q11.2	3
NW_001841091.1	SCAF_1103279188000	20,412	20,412	18p11.21	47
NW_001841098.1	SCAF_1103279188014	4,352	4,352	20p11.21	10
NW_001841099.1	SCAF_1103279188015	32,454	32,308	20p11.21	13
NW_001841101.1	SCAF_1103279188017	34,319	20,305	14q11.2	1
NW_001841108.1	SCAF_1103279188031	5,318	5,318	3p11.1	2
NW_001841116.1	SCAF_1103279188052	36,577	31,126	5p12	9
NW_001841117.1	SCAF_1103279188056	37,888	19,447	10p11.21	1
NW_001841120.1	SCAF_1103279188063	3,276	3,276	20p11.21	1
NW_001841133.1	SCAF_1103279188110	716,511	574,972	10p11.21	56
NW_001841138.1	SCAF_1103279188197	688,672	656,842	20p11.21	212
NW_001841141.1	SCAF_1103279188239	22,544	7,890	20p11.21	13
NW_001841142.1	SCAF_1103279188241	245,808	198,630	17p11.2	25
NW_001841146.1	SCAF_1103279188290	239,334	33,943	1q21.1	1
NW_001841147.1	SCAF_1103279188291	14,700	4,996	20p11.21	9
NW_001841149.1	SCAF_1103279188305	238,759	177,897	2q21.2	5
NW_001841150.1	SCAF_1103279188307	215,476	165,462	1q21.1	13
NW_001841153.1	SCAF_1103279188321	68,244	16,625	20q11.22	12
NW_001841154.1	SCAF_1103279188326	55,597	37,268	9p13.2	4
NW_001841156.1	SCAF_1103279188364	23,312	9,806	20p11.1	4
NW_001841160.1	SCAF_1103279188429	182,978	162,352	7q11.22	37
NW_001841237.1	DEGEN_1103279037427	9,774	9,708	17p11.2	1
NW_001841385.1	DEGEN_1103279049829	6,570	6,502	2p11.2	6
NW_001841388.1	DEGEN_1103279050516	10,174	10,174	22q11.1	1
NW_001841394.1	DEGEN_1103279050907	21,097	21,034	2p11.2	8
NW_001841516.1	DEGEN_1103279063758	11,012	10,286	2q11.1	9
NW_001841590.1	DEGEN_1103279070022	16,535	16,383	22q11.1	1
NW_001841755.1	DEGEN_1103279083568	8,426	8,091	2q11.1	10
NW_001841768.1	DEGEN_1103279084627	11,413	11,182	2p11.1-2q11.1	1
NW_001841965.1	DEGEN_1103279103606	4,215	3,782	9q21.11	1
NW_001841981.1	DEGEN_1103279104790	3,472	3,472	21q11.2	1
NW_001842144.1	DEGEN_1103279122824	6,158	6,077	21q11.2	1
NW_001842331.1	DEGEN_1103279161354	7,336	6,773	2q11.2	2
NW_001842432.1	SCAF_1103279188156	530,963	327,314	20q11.21	110

Table S3. Re-mapped CNPs.

Chromosome	Start	End	Mapping	LOD score
6	256,241	261,529	16p11.2	5.59
6	258,965	264,721	16p11.2	5.41
6	264,721	270,392	16p11.2	5.51
6	267,343	273,146	16p11.2	5.28
6	270,392	275,853	16p11.2	5.03
6	273,146	278,601	16p11.2	6.01
6	275,853	281,401	16p11.2	5.8
6	278,601	283,977	16p11.2	6.01
6	281,401	286,675	16p11.2	6.14
6	283,977	289,224	16p11.2	6.47
6	286,675	291,929	16p11.2	6.7
6	289,224	294,450	16p11.2	6.23
6	291,929	297,034	16p11.2	5.32
12	78,066	93,131	20q13.33	6.53
13	19,048,809	19,090,453	21q11.2	5.57
13	19,064,257	19,107,560	21q11.2	5.6
20	52,477,062	52,482,473	16p11.2	5.17

Table S4. Paralogous regions of sequence affected by the 16p11.2 CNPs.

Chromosome	Start	End	Band
6	256,518	382,461	6p25.3
16	32,258,540	32,659,102	16p11.2
16	32,806,691	32,941,795	16p11.2
16	33,293,715	33,723,390	16p11.2
20	52,477,062	52,482,473	20q13.2

Table S5. Regions with increased read coverage.

Chromosome	Start	End	Re-mapped SNPs
1	13,060	102,752	1
1	521,448	648,892	
1	2,578,541	2,634,093	
1	5,727,468	5,737,070	
1	16,831,901	16,844,585	
1	16,852,249	17,125,643	
1	17,190,005	17,275,029	
1	72,763,794	72,769,500	
1	72,808,354	72,813,646	
1	85,973,784	86,006,912	
1	110,188,491	110,194,220	
1	120,531,831	120,637,703	
1	121,109,377	121,150,573	
1	142,535,517	142,679,021	13
1	142,781,117	142,863,559	
1	142,907,011	142,967,210	
1	143,150,058	143,176,991	
1	143,390,827	143,504,581	3
1	143,514,051	143,544,505	1
1	143,946,661	144,078,233	
1	144,489,310	144,551,141	
1	144,672,431	144,710,648	1
1	144,828,012	144,896,988	
1	144,904,118	145,355,413	1
1	146,313,580	146,467,463	
1	147,969,049	148,025,186	
1	148,792,923	148,954,263	7
1	149,004,921	149,038,187	
1	149,220,301	149,227,241	
1	149,233,501	149,239,805	
1	149,263,812	149,334,245	
1	149,724,880	149,746,526	
1	194,447,666	194,457,009	
1	206,281,448	206,289,554	
1	234,908,161	234,940,417	
2	1,535,472	1,542,325	
2	3,180,312	3,185,620	
2	37,959,612	37,969,946	
2	37,972,761	38,001,997	
2	89,069,736	89,085,868	
2	89,155,492	89,163,260	
2	89,282,680	89,486,769	

2	89,507,249	89,522,586	
2	89,830,436	89,918,288	1
2	90,448,282	90,539,873	1
2	91,639,962	91,702,946	
2	91,719,631	91,929,626	3
2	96,519,673	96,534,206	
2	96,590,286	96,627,483	
2	97,873,028	98,015,100	
2	98,025,488	98,147,335	
2	106,877,423	106,884,213	
2	132,768,376	132,781,535	
2	132,960,797	133,033,307	1
2	133,036,293	133,123,453	2
2	162,129,749	162,143,318	
3	630,865	641,473	
3	68,744,261	68,749,381	
3	75,270,978	75,276,456	
3	75,564,455	75,574,095	
3	75,739,008	75,803,382	1
3	75,982,107	75,998,619	
3	98,898,736	98,904,309	
3	129,797,850	129,805,168	
3	162,762,948	162,770,818	
3	195,342,944	195,390,079	
3	195,400,928	195,457,053	
3	195,468,810	195,475,550	
3	195,506,076	195,517,381	
3	197,112,363	197,119,223	
4	12,822	71,599	2
4	3,568,515	3,636,443	2
4	49,081,311	49,185,194	2
4	49,206,192	49,314,558	3
4	49,509,885	49,534,974	
4	49,561,443	49,589,551	
4	49,621,190	49,660,117	
4	61,328,454	61,335,413	
4	172,376,309	172,381,510	
4	190,193,803	190,205,374	
4	190,535,529	190,685,784	4
4	190,797,499	190,805,860	
4	190,813,451	190,824,919	
4	190,838,560	190,850,386	
4	190,978,032	191,043,603	
5	21,468,641	21,575,338	2
5	29,423,808	29,434,947	
5	34,169,977	34,210,012	

5	175,342,017	175,364,735	
5	177,177,195	177,221,823	
6	256,241	382,800	24
6	26,666,682	26,745,712	
6	29,839,958	29,851,673	
6	32,466,126	32,472,707	
6	32,504,008	32,510,009	
6	32,519,673	32,525,317	
6	32,537,824	32,543,393	
6	32,554,690	32,565,420	
6	32,624,724	32,635,518	
6	32,638,026	32,645,135	
6	35,624,637	35,631,071	
6	35,753,747	35,768,522	
6	57,197,803	57,284,801	
6	57,290,346	57,298,420	
6	57,301,209	57,610,288	13
6	157,727,136	157,738,999	
6	165,723,345	165,728,450	
7	57,071,544	57,114,635	
7	57,605,418	57,615,946	
7	57,665,567	57,704,054	
7	57,726,619	57,739,612	
7	57,884,566	57,919,499	
7	61,728,410	61,765,091	
7	61,775,428	61,835,461	
7	61,858,581	61,902,994	
7	65,259,814	65,286,474	
7	70,423,211	70,428,862	
7	74,856,644	75,049,694	
7	76,153,141	76,184,855	
7	100,545,942	100,556,041	
7	100,606,104	100,611,945	
7	102,168,485	102,281,512	
7	126,047,829	126,053,640	
7	142,041,615	142,048,195	
7	142,482,087	142,487,492	
7	143,540,724	143,573,427	
7	143,888,440	144,058,135	
7	148,072,292	148,077,970	
7	151,964,447	151,990,924	1
7	152,075,139	152,087,592	
7	152,094,523	152,106,909	
7	152,110,002	152,116,994	
8	2,186,956	2,286,492	1
8	7,042,992	7,147,991	

8	7,206,766	7,250,553	
8	7,752,640	7,836,580	
8	11,939,102	11,987,459	
8	12,036,721	12,091,570	
8	12,359,609	12,457,011	
8	58,114,379	58,131,107	
8	86,551,002	86,576,434	
9	43,313,924	43,410,606	
9	44,235,281	44,248,010	
9	44,786,340	44,797,775	
9	45,469,367	45,633,424	
9	46,774,219	46,916,491	
9	47,182,055	47,212,483	
9	66,454,667	66,558,629	
9	66,747,886	66,853,543	1
9	67,236,417	67,365,820	1
9	68,346,273	68,416,246	1
9	68,423,972	68,447,983	
9	68,462,443	68,498,757	2
9	69,328,495	69,445,399	
9	69,798,769	69,864,049	
9	130,890,324	130,901,138	
9	140,253,233	140,259,757	
9	140,774,818	140,787,661	
10	17,860,270	17,974,194	
10	18,156,775	18,223,003	
10	38,769,796	38,818,834	
10	39,070,835	39,154,934	
10	42,355,334	42,485,441	1
10	42,633,873	42,675,169	
10	46,283,297	46,418,013	
10	46,940,661	47,154,456	
10	48,740,244	48,872,123	
10	51,264,598	51,397,757	
10	78,258,060	78,263,534	
10	81,454,308	81,485,098	
10	127,573,687	127,589,075	
11	179,851	199,718	
11	1,013,373	1,021,292	
11	48,339,690	48,390,919	
11	89,511,291	89,548,133	
11	89,684,153	89,762,812	
11	93,960,897	93,973,513	
11	114,416,088	114,426,641	
12	60,135	93,131	
12	145,806	179,742	4

12	11,217,024	11,228,172	
13	19,641,184	19,652,367	
13	63,616,606	63,650,171	
14	19,000,000	19,148,248	15
14	19,433,381	19,450,265	
14	19,779,534	19,924,629	1
14	19,971,223	20,060,167	
14	20,184,511	20,425,459	
14	20,549,065	20,556,303	
14	106,345,573	106,355,386	
14	106,374,305	106,380,447	
14	106,393,776	106,405,092	
14	106,414,996	106,472,316	
14	106,486,364	106,503,116	
14	106,516,565	106,535,284	
14	106,784,851	106,797,083	
14	106,808,288	106,819,968	
15	20,385,181	20,683,227	
15	20,802,744	20,892,417	
15	21,068,476	21,134,230	
15	21,162,790	21,231,825	
15	21,885,098	22,113,595	
15	22,295,127	22,596,027	
15	28,561,657	28,643,653	
15	28,677,265	28,709,111	
15	28,752,134	28,853,098	
15	30,805,223	30,905,266	
15	82,879,757	83,166,275	
15	84,832,710	84,901,525	
15	102,431,895	102,514,190	1
16	15,012,524	15,125,346	
16	16,724,264	16,736,223	
16	21,499,135	21,593,001	
16	22,448,479	22,712,148	
16	25,339,231	25,344,616	
16	32,258,540	32,420,640	3
16	32,436,910	32,699,009	2
16	32,822,187	32,886,179	
16	33,317,818	33,433,572	
16	33,439,529	33,645,774	
16	33,860,803	33,931,176	1
16	33,935,424	34,022,051	
16	46,385,801	46,463,269	
16	46,491,046	46,502,472	
16	48,504,114	48,514,634	
16	70,156,065	70,198,189	

16	74,394,493	74,452,906	
16	85,584,997	85,590,823	
16	90,177,291	90,294,673	
17	161,259	170,939	
17	18,380,187	18,413,890	
17	21,192,501	21,258,384	
17	21,301,638	21,355,862	
17	21,506,404	21,566,604	
17	21,666,610	21,700,923	
17	21,897,862	21,913,807	
17	25,263,006	25,310,123	
17	25,313,926	25,321,486	
17	25,325,557	25,337,344	
17	36,251,401	36,412,020	
17	41,375,832	41,387,243	
17	41,393,617	41,406,076	
17	41,460,587	41,469,788	
17	43,645,320	43,665,789	
17	44,367,527	44,457,240	
17	81,151,973	81,194,981	
18	10,394	34,335	1
18	54,946,156	54,951,632	
19	61,274	238,793	3
19	4,041,543	4,049,937	
19	7,510,960	7,520,327	
19	21,749,684	21,758,578	
19	24,507,551	24,597,742	12
19	27,817,572	27,956,340	9
19	50,585,783	50,647,776	
20	25,732,841	25,755,722	1
20	25,897,048	25,918,252	
20	26,076,114	26,086,966	
20	26,122,900	26,134,033	
20	26,137,632	26,151,995	
20	26,195,430	26,223,404	
20	26,247,540	26,256,454	
20	29,419,593	29,438,229	
20	29,443,139	29,479,277	
20	29,575,979	29,653,899	
20	52,477,062	52,482,473	
21	9,411,193	9,451,023	
21	9,573,976	9,595,468	
21	9,645,571	9,676,547	
21	9,825,512	9,913,676	
21	10,367,334	10,647,854	1
21	10,700,021	11,053,534	12

21	11,068,249	11,187,831	4
21	14,338,130	14,388,261	7
21	14,416,485	14,443,895	1
22	16,281,598	16,384,631	
22	18,867,556	18,889,041	1
22	24,286,572	24,311,484	
22	24,392,908	24,403,025	

Table S6. Re-mapped SNPs.

Chromosome	Position	rsID	Reference	Alternate	Mapping	LOD Score
1	98,583	rs141344361	T	A	11p15.5	6.24
1	142,555,441	rs61804523	G	A	12q24.32	6.04
1	142,579,951	rs4491077	A	G	18q12.1	6.24
1	142,584,338	rs4847786	T	A	4q12	7.36
1	142,590,495	rs61803514	T	C	4q12	6.39
1	142,593,364	NA	C	T	4q12	6.65
1	142,595,626	rs71253624	C	T	4p11	7.19
1	142,617,456	rs3123009	T	C	4q12	9.16
1	142,617,572	rs2484382	A	C	4q12	6.33
1	142,622,161	rs113840455	G	A	4p12	6.9
1	142,632,270	rs12402411	G	T	4q12	6.05
1	142,675,156	rs12407013	A	T	4q12	7.06
1	142,676,036	rs201246195	C	G	4q12	6.08
1	142,678,954	rs11583401	C	T	4q12	6.46
1	143,479,813	rs7415060	A	G	14q11.2	6.49
1	143,496,361	rs78508627	G	A	14q11.2	6.18
1	143,496,490	rs7410886	T	A	14q11.2	6.13
1	143,540,495	rs148547410	G	C	14q11.2	7.63
1	144,687,922	rs72631801	T	C	15q14	6.34
1	145,123,496	rs4266833	G	C	5p13.2	6.22
1	148,873,316	NA	T	C	2p11.2	10.26
1	148,894,691	rs113402056	A	C	2p11.2	8.99
1	148,906,556	NA	C	A	2p11.2	8.45
1	148,917,126	rs200364096	T	A	2q11.2	6.51
1	148,920,197	NA	C	T	2p11.1-2q11.1	7.34
1	148,921,404	rs41536044	A	G	2q11.1	7.23
1	148,948,885	rs201348793	A	G	2q11.2	6.13
2	89,851,384	NA	T	C	1p34.2	6.23
2	90,461,423	NA	T	C	1q21.1	11.52
2	91,785,014	NA	G	A	1p11.2	6.63
2	91,790,891	NA	A	T	1q21.1	6.18
2	91,796,987	rs61577352	G	T	1q21.1	9.09
2	133,005,528	rs111226237	A	G	20p11.21	7.36
2	133,068,265	NA	A	G	20p11.21	6.2
2	133,084,689	rs62169603	C	T	20p11.21	6.61
3	75,787,302	rs201966533	T	C	12q24.33	6.05
4	29,742	rs10452302	C	T	13q12.2	6.93
4	67,828	rs10452296	G	C	13q12.2	6.49
4	3,577,006	rs77034390	G	T	9q21.13	6.84
4	3,584,746	rs35443314	T	C	9q21.12	6.15
4	49,101,782	NA	A	C/T	21q11.2	6.01
4	49,141,718	NA	A	C/G	20p11.21	6.98

4	49,213,485	rs62298627	G	C	14q11.2	7.26
4	49,243,766	rs12505178	T	G	14q11.2	6.22
4	49,247,388	rs11937439	C	T	14q11.2	7.69
4	190,553,066	NA	C	T	21q11.2	6.72
4	190,589,968	rs28615433	T	A	14q11.2	6.12
4	190,647,627	NA	C	T	14q11.2	6.75
4	190,669,836	NA	T	C	14q11.2	6.4
5	21,525,743	rs78378299	A	G	6q12	7.19
5	21,559,271	rs2354604	G	C	6p11.1-6q11.1	7.21
6	259,489	rs113143772	C	A	16p11.2	7.63
6	263,782	rs112136141	A	G	16p11.2	6.77
6	266,364	rs111298401	T	A	16p11.2	7.18
6	270,071	rs111342071	G	A	16p11.2	6.11
6	273,980	rs113522058	G	A	16p11.2	8.61
6	285,760	rs11963362	A	T	16p11.2	6.57
6	289,134	rs55997576	T	C	16q12.1	6.38
6	299,635	rs28733559	G	A	16q12.1	6.37
6	303,404	NA	G	A	16q12.1	7.65
6	305,185	rs111741598	T	C	16p11.2	6.13
6	308,149	rs112706522	A	C	16p11.2	6.26
6	318,070	rs7768207	G	A	16p11.2	6.06
6	328,637	rs7756502	G	A	16p11.2	7.01
6	342,223	NA	G	A	16p11.2	6.62
6	344,878	rs7762811	C	T	16p11.2	6.36
6	346,121	rs7741779	A	G	16p11.2	7.51
6	346,360	rs113672874	G	A	16p11.2	7.45
6	348,195	rs7768224	G	A	16q12.1	6.7
6	357,884	rs6930929	C	T	16p11.2	6.25
6	366,378	rs112129307	G	A	16p11.2	6.91
6	367,899	rs111318866	C	T	16p11.2	6.18
6	368,247	rs112582246	A	C	16q12.1	6.03
6	368,635	NA	T	A	16p11.2	6.52
6	377,991	rs12524296	T	C	16q12.1	9.53
6	57,381,099	rs34844018	G	A	3p11.1	8.13
6	57,417,450	NA	G	A	3p11.1	9.35
6	57,419,359	NA	C	T	3p11.1	8.65
6	57,441,202	NA	C	G	3p11.1	7.43
6	57,458,006	rs4120410	C	T	3p11.1	6.91
6	57,486,552	NA	C	T	3p11.1	8.47
6	57,501,207	rs3857628	C	G	3p11.1	9.11
6	57,511,805	NA	T	A	3p11.1	7.1
6	57,537,855	NA	A	G	3p11.1	8.72
6	57,558,619	rs34141949	G	A	3p11.1	6.33
6	57,558,710	NA	G	A	3p11.1	10.08
6	57,581,514	NA	G	T	3p11.1	8.55
6	57,596,903	rs34762248	C	A	3p11.1	9.42

7	151,966,853	NA	A	C	12q14.3	6.39
8	2,203,795	rs73171445	G	A	4p15.1	6.19
9	66,784,405	NA	G	A	4q22.1	6.84
9	67,355,118	NA	G	A	2p11.2	6.2
9	68,357,169	rs200208002	G	A	14q11.2	6.66
9	68,462,528	NA	G	A/T	1q42.2	6.18
9	68,470,595	NA	A	C	20q11.21	9.8
10	42,395,644	rs202098114	A	T	1q21.1	6.1
12	162,755	rs998282	T	C	20q13.33	6.64
12	164,382	rs4494357	G	A	6p25.3	6.92
12	168,664	rs57815732	C	G	6p25.3	6.25
12	177,063	rs200509469	G	A	6p25.3	8.26
14	19,011,202	rs56036688	A	G	22q11.1	6.56
14	19,018,552	rs60161770	G	A	22q11.1	6.52
14	19,035,694	rs28826094	T	A	22q11.1	6.94
14	19,040,276	NA	T	C	2q21.2	6.38
14	19,040,358	NA	A	G	2q21.2	6.77
14	19,040,663	NA	A	T	2q21.2	6.52
14	19,040,702	NA	A	T	2q21.2	10.27
14	19,049,110	rs200679136	C	T	22q11.1	8.25
14	19,050,577	rs141219139	T	A	22q11.1	7.36
14	19,055,405	rs113359464	G	A/C	22q11.1	6.77
14	19,059,702	rs74242234	A	G	22q11.1	7.07
14	19,066,964	rs201856116	C	T	22q11.1	6.6
14	19,104,577	rs202063387	C	T	22q11.1	8.25
14	19,109,897	rs28415689	G	C	22q11.1	7.24
14	19,123,647	rs141790324	C	T	22q11.1	8.56
14	19,793,710	rs112440573	C	T	22q11.1	6.47
15	102,446,331	rs76132632	C	A	6p25.3	6.08
16	32,345,372	rs200178412	C	T	9q34.11	6.06
16	32,401,461	NA	G	A	2p11.1-2q11.1	6.23
16	32,403,854	rs75513833	G	A	2p11.2	6.2
16	32,467,024	NA	G	C	2p11.2	7.94
16	32,481,967	rs79757297	T	G	2p11.2	6.59
16	33,926,031	rs113802369	T	C	20q11.23	6.34
18	13,868	rs12605992	G	A	10p15.3	6.37
19	95,794	rs199696009	A	C	3q29	6.04
19	96,288	NA	C	A	3q29	6.83
19	219,993	NA	T	C	5q35.3	6.64
19	24,514,914	NA	C	A	5p12	7.76
19	24,526,222	rs112221677	A	T	5p13.1	7.85
19	24,540,120	rs8189922	T	C	5p12	6.61
19	24,542,665	rs116303850	T	A	5p12	7.89
19	24,547,764	rs113495644	C	T	5p12	6.84
19	24,551,282	rs79259956	A	G	5p13.1	6.07
19	24,560,439	rs12185488	G	A	5q11.1	8.88

19	24,569,499	rs113670433	G	T	5p12	7.63
19	24,572,013	rs9797568	T	G	5q11.1	6.44
19	24,574,640	NA	T	C	5p12	6.01
19	24,580,487	NA	A	G	5p13.1	6.05
19	24,591,027	NA	A	G	5p12	6.14
19	27,844,007	NA	T	A	5p12	7.8
19	27,848,902	NA	A	T	5p12	7.1
19	27,853,295	rs111968850	C	T	5q11.2	8.05
19	27,853,380	rs7339606	G	A	5p12	7.62
19	27,855,789	NA	T	C	5p12	8.33
19	27,858,186	NA	C	T	5p12	7.07
19	27,859,120	NA	G	T	5q11.1	6.11
19	27,874,538	NA	G	A	5q11.2	7.42
19	27,878,359	rs113069608	T	C	5p12	7.62
20	25,735,451	rs62213479	A	G	2q14.2	6.23
21	10,645,052	NA	C	T	14q11.2	6.01
21	10,782,834	rs28782475	G	A	14q11.2	8.31
21	10,828,125	rs28972812	G	A	13q12.11	6.5
21	10,833,278	rs71318462	G	A	14q11.2	6.9
21	10,884,115	rs62212672	A	G	14q11.2	6.95
21	10,908,767	rs4913632	C	T	14q11.2	6.68
21	10,914,074	rs11911842	C	T	14q11.2	8.04
21	11,025,892	rs4481080	C	A	13q12.11	7.77
21	11,045,446	rs10439794	T	A	13q12.11	6.79
21	11,045,651	rs10439795	G	A	13q12.11	7.08
21	11,051,621	rs60979296	C	G	13q12.11	6.31
21	11,052,182	rs4913692	C	T	13q12.11	10.76
21	11,053,144	rs4118184	G	T	14q11.2	6.28
21	11,081,096	rs12185850	G	A	13q12.11	6.87
21	11,083,360	NA	T	G	13q12.11	6.61
21	11,084,624	rs10439754	A	G	13q12.11	6.66
21	11,092,473	rs8128375	C	T	13q12.11	7.03
21	14,340,229	NA	A	G	20q11.21	9.07
21	14,341,119	NA	G	T	2p11.2	6.7
21	14,346,835	rs9637142	T	C	13q12.11	6.89
21	14,360,978	rs4461339	G	A	13q12.11	9.48
21	14,366,846	rs112284104	T	A	2q21.2	9.2
21	14,367,055	NA	C	A	2q21.2	8.68
21	14,375,493	rs4816736	C	T	13q12.11	6.36
21	14,428,607	rs4107467	A	T	13q11	7.09
22	18,881,292	NA	T	C	12q24.32	6.06