

Suppl. Fig. S1

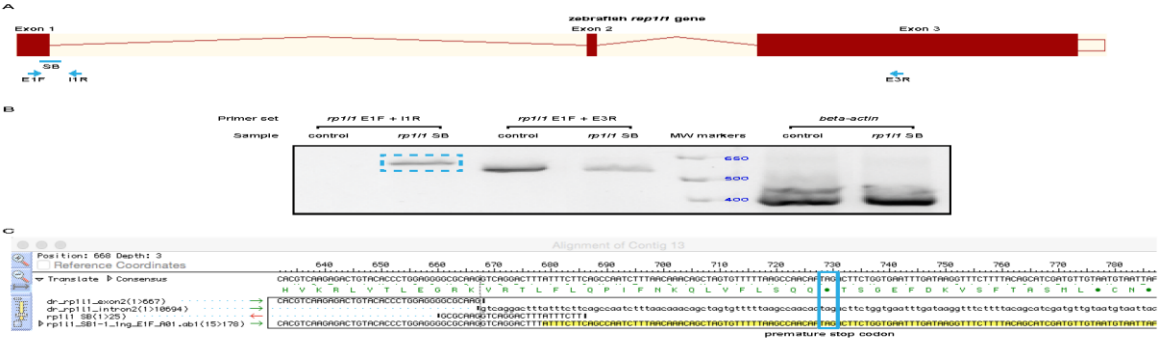


Figure S1

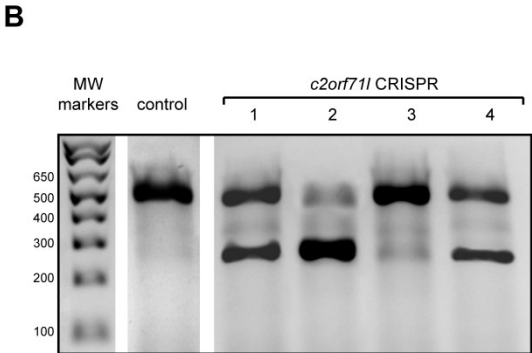
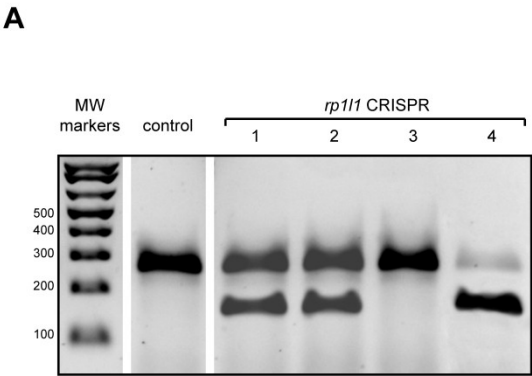
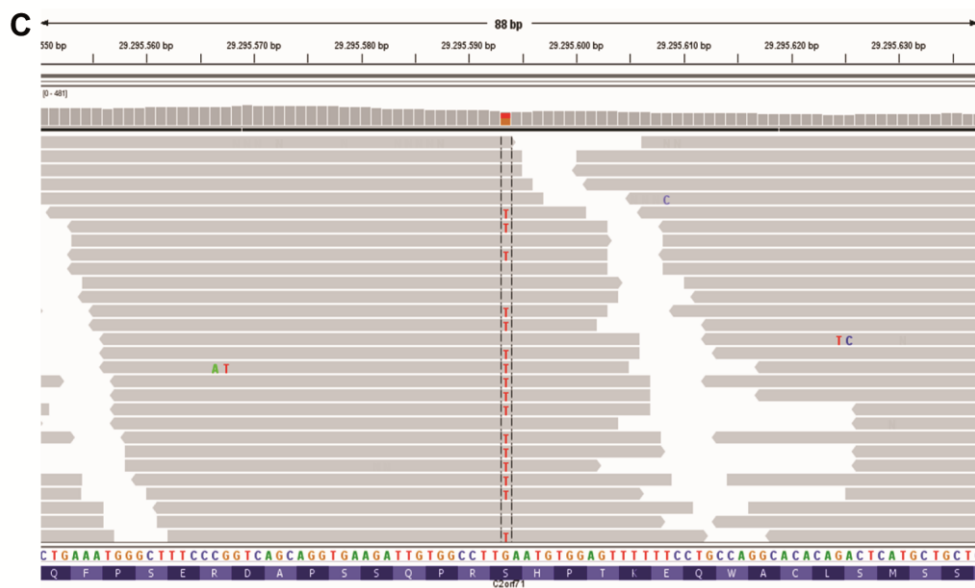
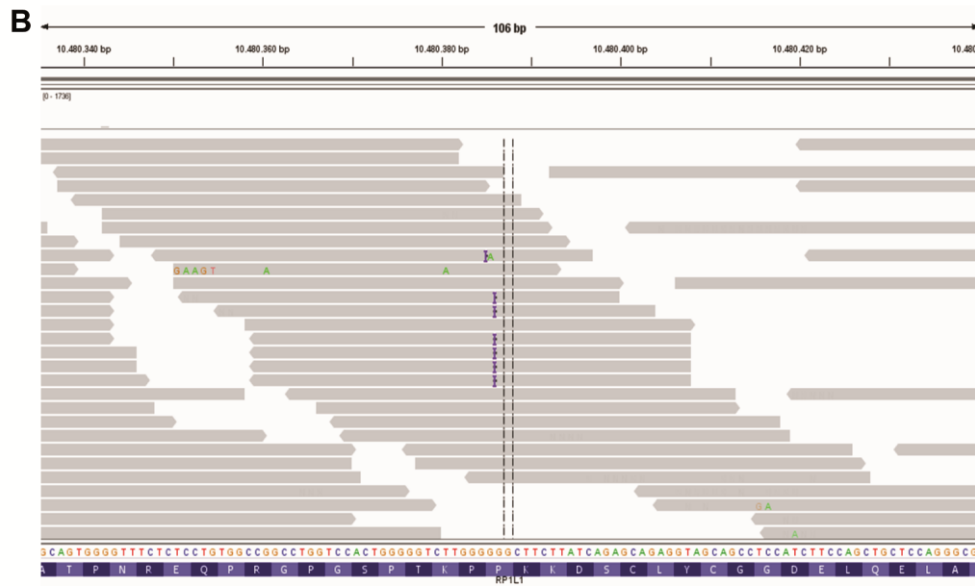
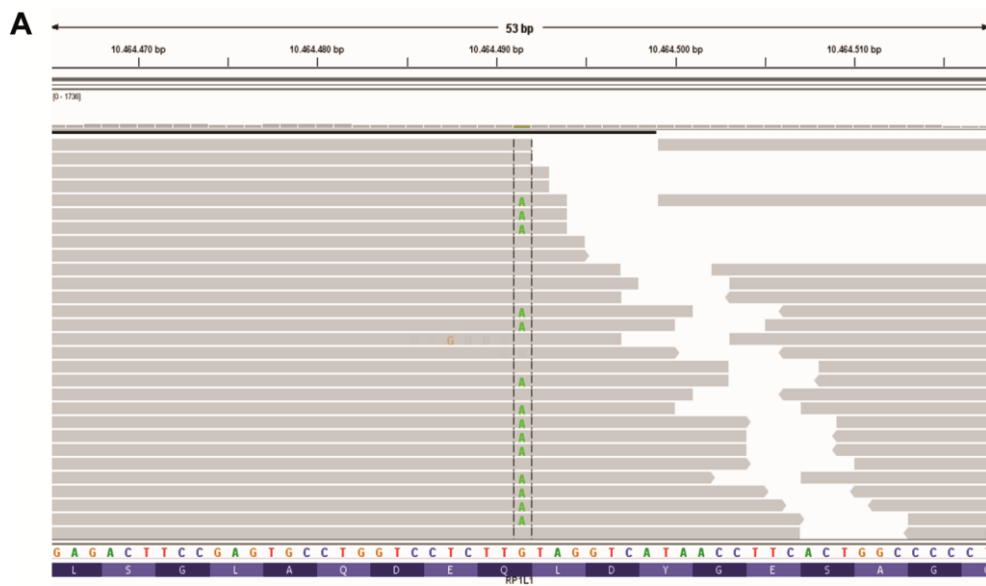


Figure S2

Suppl. Fig. S3



S1 Table: Other variants detected in the affected individual.

Chromosome	chr1	chr2	chr1	chr1	chr16
Position	1940224	201400812	27190149	27190196	21739698
Gene name	<i>LRTM2</i>	<i>SGOL2</i>	<i>SFN</i>	<i>SFN</i>	<i>OTOA</i>
Reference nucleotide	C	G	C	A	A
Number of reference reads	1	1	115	96	33
Variant nucleotide	T	A	T	T	T
Number of variant reads	7	13	87	81	24
Percentage of variant reads	86%	93%	43%	46%	42%
Mutation type	Missense	Missense	Missense	Missense	Missense
Refseq	NM_001163926	NM_152524	NM_006142	NM_006142	NM_144672
Mutation DNA	c.191C>T	c.334G>A	c.446C>T	c.493A>T	c.2153A>T
Mutation protein	p.Pro64Leu	p.Ala112Thr	p.Ser149Leu	p.Thr165Ser	p.Asp718Val
PhyloP score	2.469	0.841	1.547	5.122	0.344
SIFT prediction	Deleterious	Tolerated	Tolerated	Deleterious	Tolerated
Polyphen2 prediction	Benign	Possibly damaging	Benign	Probably damaging	Benign
Sanger verification	No	No	No	No	No
Identified by	Homozygous analysis	Homozygous analysis	Heterozygous analysis	Heterozygous analysis	Hearing impairment genes analysis
Remarks	Unknown function	Function in gametogenesis	EVS frequency 2/8598, rs78707984	rs77755255	Autosomal recessive hearing impairment, no second mutation in raw exome data, exon 20 and 22-28 not covered

S2 Table: List of the retinal disease genes and coverage data.

Chromosome	Start position	End position	Gene name	Gene id	Total exons	Total coding exons	Component nr	Exon size	reads	bps	coverage	Overlap %
chr1	5923175	5923553	NPHP4	NM_015102	30	29	30	141	2414	111136	293,23	100
chr1	5923851	5924060	NPHP4	NM_015102	30	29	29	144	220	9521	45,34	77,1
chr1	5924449	5924640	NPHP4	NM_015102	30	29	28	180	27	997	5,19	71,7
chr1	5925089	5925277	NPHP4	NM_015102	30	29	27	172	83	3481	18,42	67,4
chr1	5926343	5926543	NPHP4	NM_015102	30	29	26	86	37	1678	8,35	100
chr1	5927091	5927306	NPHP4	NM_015102	30	29	25	86	2336	102418	474,16	98,8
chr1	5927834	5928117	NPHP4	NM_015102	30	29	24	157	269	12362	43,53	78,3
chr1	5933264	5933440	NPHP4	NM_015102	30	29	23	84	475	21255	120,08	100
chr1	5934460	5934663	NPHP4	NM_015102	30	29	22	187	209	8773	43	71,1
chr1	5934892	5935172	NPHP4	NM_015102	30	29	21	227	180	8682	30,9	100
chr1	5937205	5937414	NPHP4	NM_015102	30	29	20	206	425	18407	87,65	74,8
chr1	5940204	5940395	NPHP4	NM_015102	30	29	19	126	543	23702	123,45	76,2
chr1	5947347	5947541	NPHP4	NM_015102	30	29	18	181	325	12790	65,59	99,4
chr1	5950976	5951182	NPHP4	NM_015102	30	29	17	161	71	3011	14,55	70,2
chr1	5964597	5964821	NPHP4	NM_015102	30	29	16	188	460	19136	85,05	77,1
chr1	5965282	5965796	NPHP4	NM_015102	30	29	15,14	192.152	1429	65625	127,43	100.0,69.1
chr1	5967202	5967387	NPHP4	NM_015102	30	29	13	108	111	4392	23,61	75
chr1	5969090	5969266	NPHP4	NM_015102	30	29	12	62	139	5876	33,2	88,7
chr1	5987602	5987817	NPHP4	NM_015102	30	29	11	139	479	19045	88,17	78,4
chr1	5993131	5993322	NPHP4	NM_015102	30	29	10	183	114	4560	23,75	63,4
chr1	6007051	6007251	NPHP4	NM_015102	30	29	9	127	382	16528	82,23	69,3
chr1	6008053	6008244	NPHP4	NM_015102	30	29	8	182	895	39915	207,89	63,2
chr1	6012730	6012942	NPHP4	NM_015102	30	29	7	137	241	9891	46,44	100
chr1	6021902	6022099	NPHP4	NM_015102	30	29	6	156	81	3240	16,36	69,2
chr1	6027215	6027436	NPHP4	NM_015102	30	29	5	65	95	4403	19,83	100
chr1	6029087	6029311	NPHP4	NM_015102	30	29	4	173	818	36315	161,4	95,4
chr1	6038330	6038515	NPHP4	NM_015102	30	29	3	144	455	19927	107,13	100
chr1	6046140	6046325	NPHP4	NM_015102	30	29	2	135	913	38554	207,28	82,2
chr1	10032144	10032264	NMNAT1	NM_022787	5	4	2	115	11	435	3,6	89,6
chr1	10035701	10035904	NMNAT1	NM_022787	5	4	3	184	692	30760	150,78	72,3
chr1	10041147	10041320	NMNAT1	NM_022787	5	4	4	140	136	6337	36,42	58,6
chr1	10042321	10042601	NMNAT1	NM_022787	5	4	5	401	408	17915	63,75	60,6
chr1	10042671	10042862	NMNAT1	NM_022787	5	4	5	401	360	15334	79,86	22,2
chr1	12049163	12049354	MFN2	NM_014874	19	17	3	175	514	22200	115,63	73,7
chr1	12052585	12052779	MFN2	NM_014874	19	17	4	136	1863	81694	418,94	100
chr1	12056142	12056318	MFN2	NM_014874	19	17	5	163	814	35577	201	65
chr1	12057348	12057548	MFN2	NM_014874	19	17	6	125	674	28854	143,55	100
chr1	12058776	12059145	MFN2	NM_014874	19	17	7,8	109.108	1443	66811	180,57	100.0,93.5
chr1	12061509	12061697	MFN2	NM_014874	19	17	9	154	150	6611	34,98	66,9
chr1	12061788	12062142	MFN2	NM_014874	19	17	10,11	68.122	856	40753	114,8	100.0,85.2
chr1	12064014	12064211	MFN2	NM_014874	19	17	12	127	149	6148	31,05	100
chr1	12064460	12064651	MFN2	NM_014874	19	17	13	105	896	38855	202,37	81,9
chr1	12064892	12065098	MFN2	NM_014874	19	17	14	103	505	20441	98,75	90,3
chr1	12065737	12066011	MFN2	NM_014874	19	17	15	221	1054	47026	171	100
chr1	12066572	12066778	MFN2	NM_014874	19	17	16	156	806	34251	165,46	100
chr1	12067149	12067346	MFN2	NM_014874	19	17	17	197	312	12315	62,2	80,2
chr1	12069654	12069836	MFN2	NM_014874	19	17	18	135	285	12397	67,74	96,3
chr1	12071583	12071703	MFN2	NM_014874	19	17	19	70	111	4729	39,08	57,1
chr1	19545741	19546246	EMC1	NM_015047	23	23	23,22	180.130	1728	82221	162,49	100.0,100.0
chr1	19547244	19547435	EMC1	NM_015047	23	23	21	85	294	12662	65,95	100
chr1	19549179	19549388	EMC1	NM_015047	23	23	20	211	299	12354	58,83	71,1
chr1	19549819	19550004	EMC1	NM_015047	23	23	19	174	1205	52777	283,75	66,1

chr1	19553847	19554035	EMC1	NM_015047	23	23	18	138	124	5444	28,8	71
chr1	19557372	19557563	EMC1	NM_015047	23	23	17	120	398	16413	85,48	71,7
chr1	19557810	19557989	EMC1	NM_015047	23	23	16	162	172	7575	42,08	66
chr1	19559158	19559660	EMC1	NM_015047	23	23	15,14	150.200	1367	66044	131,3	73.3,100.0
chr1	19561527	19561721	EMC1	NM_015047	23	23	13	123	587	25242	129,45	79,7
chr1	19563562	19563738	EMC1	NM_015047	23	23	12	97	641	25613	144,71	100
chr1	19564543	19564728	EMC1	NM_015047	23	23	11	123	506	21205	114,01	74
chr1	19565264	19565455	EMC1	NM_015047	23	23	10	63	493	22990	119,74	100
chr1	19565615	19565788	EMC1	NM_015047	23	23	9	72	840	36364	208,99	88,9
chr1	19566232	19566423	EMC1	NM_015047	23	23	8	168	248	10435	54,35	66,7
chr1	19566834	19567025	EMC1	NM_015047	23	23	7	150	227	9940	51,77	71,3
chr1	19567439	19567642	EMC1	NM_015047	23	23	6	127	935	41579	203,82	100
chr1	19568811	19568993	EMC1	NM_015047	23	23	5	129	255	10987	60,04	100
chr1	19570123	19570314	EMC1	NM_015047	23	23	4	94	1063	46813	243,82	84
chr1	19570451	19570648	EMC1	NM_015047	23	23	3	66	153	6518	32,92	89,4
chr1	19571333	19571598	EMC1	NM_015047	23	23	2	125	509	23163	87,08	100
chr1	19577867	19578088	EMC1	NM_015047	23	23	1	95	677	29789	134,18	100
chr1	20411296	20411499	PLA2G5	NM_000929	5	4	2	40	1018	46828	229,55	100
chr1	20412607	20412822	PLA2G5	NM_000929	5	4	3	145	502	23030	106,62	78,6
chr1	20416189	20416371	PLA2G5	NM_000929	5	4	4	107	762	30841	168,53	84,1
chr1	20417122	20417316	PLA2G5	NM_000929	5	4	5	125	2252	98492	505,09	51,2
chr1	26759269	26759469	DHDDS	NM_024887	9	8	2	63	331	14666	72,97	52,4
chr1	26764541	26764741	DHDDS	NM_024887	9	8	3	117	318	13847	68,89	70,9
chr1	26769248	26769454	DHDDS	NM_024887	9	8	4	143	354	15121	73,05	81,8
chr1	26772839	26773024	DHDDS	NM_024887	9	8	5	117	895	38907	209,18	72,6
chr1	26773982	26774256	DHDDS	NM_024887	9	8	6	102	1023	47410	172,4	100
chr1	26784187	26784369	DHDDS	NM_024887	9	8	7	115	942	38641	211,15	76,5
chr1	26786532	26786753	DHDDS	NM_024887	9	8	8	108	457	20659	93,06	96,3
chr1	26795347	26795728	DHDDS	NM_024887	9	8	9	240	459	20106	52,63	100
chr1	68895394	68895677	RPE65	NM_000329	14	14	14	152	851	38357	135,06	100
chr1	68896729	68897222	RPE65	NM_000329	14	14	13,12,11	112,95,115	1015	46888	94,91	100.0,100.0,60.0
chr1	68903786	68903974	RPE65	NM_000329	14	14	10	130	279	11465	60,66	80,8
chr1	68904640	68905089	RPE65	NM_000329	14	14	9,8	140.133	1394	64221	142,71	89.3,100.0
chr1	68905172	68905375	RPE65	NM_000329	14	14	7	82	517	21707	106,41	100
chr1	68906524	68906700	RPE65	NM_000329	14	14	6	148	236	9647	54,5	100
chr1	68910161	68910512	RPE65	NM_000329	14	14	5,4	142.108	1322	59224	168,25	100.0,50.0
chr1	68912313	68912495	RPE65	NM_000329	14	14	3	151	614	25511	139,4	68,2
chr1	68914247	68914450	RPE65	NM_000329	14	14	2	83	80	3527	17,29	100
chr1	68915448	68915648	RPE65	NM_000329	14	14	1	11	316	12860	63,98	100
chr1	94461682	94461852	ABCA4	NM_000350	50	50	49	87	475	18502	108,2	80,5
chr1	94463464	94463756	ABCA4	NM_000350	50	50	48	250	656	30413	103,8	81,2
chr1	94466311	94466618	ABCA4	NM_000350	50	50	47,46	93.104	603	26121	84,81	100.0,58.7
chr1	94467186	94467620	ABCA4	NM_000350	50	50	45	135	726	33043	75,96	100
chr1	94471027	94471221	ABCA4	NM_000350	50	50	44	142	206	9010	46,21	78,9
chr1	94473217	94473402	ABCA4	NM_000350	50	50	43	107	229	9607	51,65	74,8
chr1	94473649	94473867	ABCA4	NM_000350	50	50	42	63	420	17378	79,35	100
chr1	94474224	94474436	ABCA4	NM_000350	50	50	41	121	931	42647	200,22	100
chr1	94476150	94476406	ABCA4	NM_000350	50	50	40	130	542	24456	95,16	39,2
chr1	94476815	94477003	ABCA4	NM_000350	50	50	39	124	413	18322	96,94	100
chr1	94480015	94480206	ABCA4	NM_000350	50	50	38	148	734	31582	164,49	73
chr1	94481255	94481446	ABCA4	NM_000350	50	50	37	116	438	18854	98,2	100
chr1	94485123	94485311	ABCA4	NM_000350	50	50	36	178	325	14142	74,83	97,8
chr1	94486840	94487043	ABCA4	NM_000350	50	50	35	170	168	6939	34,01	74,1
chr1	94487162	94487528	ABCA4	NM_000350	50	50	34,33	75.106	727	32921	89,7	100.0,100.0

chr1	94488929	94489117	ABCA4	NM_000350	50	50	32	33	704	27472	145,35	100
chr1	94490480	94490695	ABCA4	NM_000350	50	50	31	95	171	7456	34,52	100
chr1	94495050	94495259	ABCA4	NM_000350	50	50	30	187	38	1608	7,66	73,8
chr1	94495992	94496183	ABCA4	NM_000350	50	50	29	99	651	27846	145,03	91,9
chr1	94496585	94496767	ABCA4	NM_000350	50	50	28	125	99	4359	23,82	73,6
chr1	94497371	94497672	ABCA4	NM_000350	50	50	27	266	280	12507	41,41	86,1
chr1	94502279	94502482	ABCA4	NM_000350	50	50	26	49	170	6903	33,84	100
chr1	94502721	94502924	ABCA4	NM_000350	50	50	25	206	850	36464	178,75	90,3
chr1	94505594	94505812	ABCA4	NM_000350	50	50	24	85	1096	41257	188,39	100
chr1	94506710	94506898	ABCA4	NM_000350	50	50	23	194	373	15244	80,66	69,1
chr1	94508312	94508512	ABCA4	NM_000350	50	50	22	138	452	19968	99,34	100
chr1	94508936	94509136	ABCA4	NM_000350	50	50	21	140	206	8804	43,8	68,6
chr1	94510143	94510349	ABCA4	NM_000350	50	50	20	132	666	29662	143,29	100
chr1	94512485	94512697	ABCA4	NM_000350	50	50	19	175	257	11022	51,75	94,3
chr1	94514311	94514511	ABCA4	NM_000350	50	50	18	90	1764	75102	373,64	97,8
chr1	94517112	94517333	ABCA4	NM_000350	50	50	17	66	581	26651	120,05	100
chr1	94520620	94520799	ABCA4	NM_000350	50	50	16	205	1440	63420	352,33	64,9
chr1	94522202	94522455	ABCA4	NM_000350	50	50	15	222	576	26691	105,08	79,7
chr1	94526123	94526403	ABCA4	NM_000350	50	50	14	223	967	43290	154,06	86,5
chr1	94528153	94528341	ABCA4	NM_000350	50	50	13	177	452	19305	102,14	88,7
chr1	94528610	94528795	ABCA4	NM_000350	50	50	12	206	323	13557	72,89	62,1
chr1	94543304	94543498	ABCA4	NM_000350	50	50	11	198	798	33745	173,05	70,7
chr1	94544139	94544336	ABCA4	NM_000350	50	50	10	117	398	16359	82,62	100
chr1	94544871	94545083	ABCA4	NM_000350	50	50	9	140	256	11126	52,23	100
chr1	94545941	94546218	ABCA4	NM_000350	50	50	8	241	655	29322	105,47	76,8
chr1	94548837	94549022	ABCA4	NM_000350	50	50	7	90	333	13395	72,02	100
chr1	94564288	94564482	ABCA4	NM_000350	50	50	6	198	1346	57084	292,74	67,2
chr1	94568582	94568797	ABCA4	NM_000350	50	50	5	128	452	20406	94,47	91,4
chr1	94574141	94574326	ABCA4	NM_000350	50	50	4	140	92	4407	23,69	94,3
chr1	94576967	94577164	ABCA4	NM_000350	50	50	3	142	265	11113	56,13	100
chr1	94578520	94578702	ABCA4	NM_000350	50	50	2	94	146	6207	33,92	100
chr1	94586477	94586677	ABCA4	NM_000350	50	50	1	66	556	25394	126,34	100
chr1	103343449	103343726	COL11A1	NM_001854	67	67	67	147	418	18499	66,54	100
chr1	103345185	103345480	COL11A1	NM_001854	67	67	66	234	1108	48954	165,39	100
chr1	103347189	103347371	COL11A1	NM_001854	67	67	65	69	201	8251	45,09	100
chr1	103348683	103348874	COL11A1	NM_001854	67	67	64	113	222	9634	50,18	100
chr1	103352392	103352657	COL11A1	NM_001854	67	67	63	250	743	34096	128,18	88,4
chr1	103354171	103354552	COL11A1	NM_001854	67	67	62,61,60	54,36,54	451	21359	55,91	29,6,100,0,100,0
chr1	103354949	103355170	COL11A1	NM_001854	67	67	59	108	501	21827	98,32	100
chr1	103355939	103356130	COL11A1	NM_001854	67	67	58	54	125	5498	28,64	100
chr1	103363613	103363795	COL11A1	NM_001854	67	67	57	54	19	766	4,19	100
chr1	103364160	103364550	COL11A1	NM_001854	67	67	56,55	108,54	220	10636	27,2	100,0,100,0
chr1	103377641	103377853	COL11A1	NM_001854	67	67	54	54	105	4355	20,45	100
chr1	103379128	103379313	COL11A1	NM_001854	67	67	53	54	788	34257	184,18	100
chr1	103379834	103380031	COL11A1	NM_001854	67	67	52	54	110	4972	25,11	100
chr1	103380288	103380464	COL11A1	NM_001854	67	67	51	108	175	7488	42,31	74,1
chr1	103381098	103381307	COL11A1	NM_001854	67	67	50	54	235	10498	49,99	100
chr1	103385796	103385993	COL11A1	NM_001854	67	67	49	54	475	21385	108,01	100
chr1	103387003	103387212	COL11A1	NM_001854	67	67	48	54	152	6998	33,32	100
chr1	103388815	103389009	COL11A1	NM_001854	67	67	47	54	679	27777	142,45	100
chr1	103399943	103400173	COL11A1	NM_001854	67	67	46	108	643	28965	125,39	100
chr1	103400518	103400703	COL11A1	NM_001854	67	67	45	54	236	10526	56,59	100
chr1	103404526	103404717	COL11A1	NM_001854	67	67	44	54	694	30190	157,24	100
chr1	103405821	103406051	COL11A1	NM_001854	67	67	43	108	754	32231	139,53	100

chr1	103412343	103412573	COL11A1	NM_001854	67	67	42	108	212	8969	38,83	100
chr1	103427318	103427518	COL11A1	NM_001854	67	67	41	54	327	14763	73,45	100
chr1	103427673	103427879	COL11A1	NM_001854	67	67	40	90	316	13226	63,89	100
chr1	103428147	103428377	COL11A1	NM_001854	67	67	39	108	237	10071	43,6	100
chr1	103430957	103431181	COL11A1	NM_001854	67	67	38	54	209	9432	41,92	100
chr1	103435686	103435898	COL11A1	NM_001854	67	67	37	54	465	20397	95,76	100
chr1	103440309	103440524	COL11A1	NM_001854	67	67	36	54	293	12232	56,63	100
chr1	103444217	103444663	COL11A1	NM_001854	67	67	35,34,33	45,54,45	487	21371	47,81	100.0,100.0,100.0
chr1	103444854	103445134	COL11A1	NM_001854	67	67	32	54	519	24205	86,14	100
chr1	103449635	103449811	COL11A1	NM_001854	67	67	31	54	162	6242	35,27	100
chr1	103453115	103453324	COL11A1	NM_001854	67	67	30	108	706	28039	133,52	100
chr1	103455063	103455272	COL11A1	NM_001854	67	67	29	54	537	24156	115,03	100
chr1	103461474	103461677	COL11A1	NM_001854	67	67	27	54	73	3193	15,65	100
chr1	103462566	103462745	COL11A1	NM_001854	67	67	26	45	926	37884	210,47	100
chr1	103463801	103463983	COL11A1	NM_001854	67	67	25	54	123	4764	26,03	100
chr1	103467342	103467539	COL11A1	NM_001854	67	67	24	45	1048	45791	231,27	100
chr1	103467895	103468113	COL11A1	NM_001854	67	67	23	54	124	5331	24,34	100
chr1	103468233	103468421	COL11A1	NM_001854	67	67	22	45	546	23084	122,14	100
chr1	103468655	103468882	COL11A1	NM_001854	67	67	21	54	592	25396	111,39	100
chr1	103469986	103470266	COL11A1	NM_001854	67	67	20,19	45,54	284	12334	43,89	100.0,100.0
chr1	103471411	103471922	COL11A1	NM_001854	67	67	18,17,16	54,54,54	600	27597	53,9	68.5,100.0,100.0
chr1	103473945	103474154	COL11A1	NM_001854	67	67	15	54	338	14625	69,64	100
chr1	103477866	103478051	COL11A1	NM_001854	67	67	14	57	247	10799	58,06	100
chr1	103479972	103480193	COL11A1	NM_001854	67	67	13	84	583	25505	114,89	100
chr1	103481160	103481360	COL11A1	NM_001854	67	67	12	75	33	1043	5,19	100
chr1	103483297	103483518	COL11A1	NM_001854	67	67	11	63	304	13621	61,36	100
chr1	103484339	103484509	COL11A1	NM_001854	67	67	10	42	139	5983	34,99	100
chr1	103487175	103487363	COL11A1	NM_001854	67	67	9	63	1028	45179	239,04	100
chr1	103488251	103488525	COL11A1	NM_001854	67	67	8	255	913	38179	138,83	89,4
chr1	103491037	103491216	COL11A1	NM_001854	67	67	7	93	248	9905	55,03	100
chr1	103491654	103491875	COL11A1	NM_001854	67	67	6	117	569	25045	112,82	88,9
chr1	103496506	103496875	COL11A1	NM_001854	67	67	5	129	464	21691	58,62	100
chr1	103540208	103540414	COL11A1	NM_001854	67	67	4	163	111	4864	23,5	79,1
chr1	103544175	103544375	COL11A1	NM_001854	67	67	3	214	186	8589	42,73	75,7
chr1	103548359	103548532	COL11A1	NM_001854	67	67	2	168	226	9427	54,18	100
chr1	103573568	103573827	COL11A1	NM_001854	67	67	1	106	1126	48686	187,25	100
chr1	110145963	110146237	GNAT2	NM_005272	8	8	8	191	936	43074	156,63	100
chr1	110146603	110146809	GNAT2	NM_005272	8	8	7	154	321	13266	64,09	80,5
chr1	110148628	110148831	GNAT2	NM_005272	8	8	6	130	199	8145	39,93	72,3
chr1	110148926	110149129	GNAT2	NM_005272	8	8	5	129	226	9997	49	100
chr1	110151303	110151506	GNAT2	NM_005272	8	8	4	158	1269	55194	270,56	68,4
chr1	110152557	110152763	GNAT2	NM_005272	8	8	3	142	732	33254	160,65	71,8
chr1	110152962	110153159	GNAT2	NM_005272	8	8	2	43	1267	56834	287,04	100
chr1	110155396	110155611	GNAT2	NM_005272	8	8	1	118	1707	72592	336,07	82,2
chr1	150297277	150297474	PRPF3	NM_004698	16	15	2	145	99	4057	20,49	51
chr1	150298245	150298445	PRPF3	NM_004698	16	15	3	131	177	7554	37,58	72,5
chr1	150300711	150300881	PRPF3	NM_004698	16	15	4	147	273	11907	69,63	70,1
chr1	150305117	150305320	PRPF3	NM_004698	16	15	5	84	546	20748	101,71	100
chr1	150305464	150305747	PRPF3	NM_004698	16	15	6	221	1217	54270	191,09	93,7
chr1	150307426	150307795	PRPF3	NM_004698	16	15	7	307	662	31249	84,46	93,5
chr1	150310693	150310884	PRPF3	NM_004698	16	15	8	167	237	10258	53,43	65,9
chr1	150312888	150313067	PRPF3	NM_004698	16	15	9	80	450	19661	109,23	82,5
chr1	150315831	150316031	PRPF3	NM_004698	16	15	10	144	441	18635	92,71	68,1
chr1	150316685	150317101	PRPF3	NM_004698	16	15	11,12	100.114	2600	119629	286,88	53.0,100.0

chr1	150318527	150318727	PRPF3	NM_004698	16	15	13	119	582	25982	129,26	72,3
chr1	150318900	150319097	PRPF3	NM_004698	16	15	14	84	160	6511	32,88	81
chr1	150321638	150321808	PRPF3	NM_004698	16	15	15	62	95	4416	25,82	91,9
chr1	150325353	150325583	PRPF3	NM_004698	16	15	16	147	2432	105806	458,03	70,1
chr1	156124240	156124449	SEMA4A	NM_022367	15	14	2	139	72	3241	15,43	57,6
chr1	156126175	156126372	SEMA4A	NM_022367	15	14	3	161	786	35286	178,21	100
chr1	156127716	156127928	SEMA4A	NM_022367	15	14	4	63	669	28459	133,61	100
chr1	156128112	156128288	SEMA4A	NM_022367	15	14	5	99	999	41607	235,07	100
chr1	156128510	156128713	SEMA4A	NM_022367	15	14	6	106	316	13536	66,35	100
chr1	156130242	156130451	SEMA4A	NM_022367	15	14	7	117	390	16599	79,04	93,2
chr1	156130627	156130815	SEMA4A	NM_022367	15	14	8	125	568	24948	132	96
chr1	156131152	156131346	SEMA4A	NM_022367	15	14	9	173	150	6001	30,77	91,3
chr1	156132772	156132981	SEMA4A	NM_022367	15	14	10	151	204	9204	43,83	75,5
chr1	156142609	156142821	SEMA4A	NM_022367	15	14	11	181	99	4079	19,15	100
chr1	156144564	156145001	SEMA4A	NM_022367	15	14	12,13	119.158	744	35032	79,98	100,0,79.1
chr1	156145251	156145421	SEMA4A	NM_022367	15	14	14	101	270	11007	64,37	74,3
chr1	156146237	156146893	SEMA4A	NM_022367	15	14	15	593	1384	63370	96,45	93,1
chr1	185703799	185704248	HMCN1	NM_031935	107	107	1	268	770	34493	76,65	100
chr1	185815143	185815367	HMCN1	NM_031935	107	107	2	71	237	10078	44,79	100
chr1	185833637	185833855	HMCN1	NM_031935	107	107	3	159	416	17062	77,91	78
chr1	185834866	185835060	HMCN1	NM_031935	107	107	4	123	267	11286	57,88	100
chr1	185878460	185878663	HMCN1	NM_031935	107	107	5	172	291	12490	61,23	100
chr1	185880758	185880946	HMCN1	NM_031935	107	107	6	107	323	14184	75,05	100
chr1	185891467	185891667	HMCN1	NM_031935	107	107	7	121	376	15874	78,98	100
chr1	185892510	185892793	HMCN1	NM_031935	107	107	8	264	537	23795	83,79	100
chr1	185894141	185894353	HMCN1	NM_031935	107	107	9	145	921	40757	191,35	100
chr1	185897641	185897847	HMCN1	NM_031935	107	107	10	122	561	25135	121,43	100
chr1	185902603	185902913	HMCN1	NM_031935	107	107	11	276	514	22881	73,57	84,4
chr1	185931608	185931826	HMCN1	NM_031935	107	107	12	142	649	28517	130,21	100
chr1	185932878	185933051	HMCN1	NM_031935	107	107	13	128	280	11385	65,43	100
chr1	185934899	185935090	HMCN1	NM_031935	107	107	14	114	288	12937	67,38	100
chr1	185939430	185939612	HMCN1	NM_031935	107	107	15	159	309	13029	71,2	91,8
chr1	185946918	185947106	HMCN1	NM_031935	107	107	16	195	251	9448	49,99	96,4
chr1	185950015	185950227	HMCN1	NM_031935	107	107	17	96	630	28165	132,23	100
chr1	185951354	185951548	HMCN1	NM_031935	107	107	18	128	195	8727	44,75	100
chr1	185953275	185953472	HMCN1	NM_031935	107	107	19	145	165	6980	35,25	100
chr1	185956507	185956716	HMCN1	NM_031935	107	107	20	113	688	29467	140,32	100
chr1	185958548	185958739	HMCN1	NM_031935	107	107	21	160	319	13751	71,62	75
chr1	185959342	185959515	HMCN1	NM_031935	107	107	22	169	392	16500	94,83	64,5
chr1	185962281	185962481	HMCN1	NM_031935	107	107	23	128	200	8496	42,27	100
chr1	185963999	185964273	HMCN1	NM_031935	107	107	24	273	434	20763	75,5	81
chr1	185966472	185966678	HMCN1	NM_031935	107	107	25	96	880	38523	186,1	100
chr1	185969161	185969388	HMCN1	NM_031935	107	107	26	195	365	15095	66,21	100
chr1	185970425	185970883	HMCN1	NM_031935	107	107	27,28	131.148	886	41686	90,82	100,0,100.0
chr1	185972803	185973027	HMCN1	NM_031935	107	107	29	127	651	28675	127,44	100
chr1	185976248	185976433	HMCN1	NM_031935	107	107	30	155	601	26473	142,33	100
chr1	185984277	185984569	HMCN1	NM_031935	107	107	31	279	952	43590	148,77	100
chr1	185985039	185985313	HMCN1	NM_031935	107	107	32	282	671	29316	106,6	79,4
chr1	185986063	185986245	HMCN1	NM_031935	107	107	33	109	849	36037	196,92	100
chr1	185987284	185987469	HMCN1	NM_031935	107	107	34	170	252	10371	55,76	91,2
chr1	185988667	185988870	HMCN1	NM_031935	107	107	35	155	581	25657	125,77	100
chr1	185992108	185992323	HMCN1	NM_031935	107	107	36	124	508	22243	102,98	100
chr1	186007016	186007231	HMCN1	NM_031935	107	107	37	102	339	14841	68,71	100
chr1	186007963	186008190	HMCN1	NM_031935	107	107	38	177	435	19396	85,07	98,9

chr1	186008823	186009041	HMCN1	NM_031935	107	107	39	152	536	22398	102,27	100
chr1	186010076	186010291	HMCN1	NM_031935	107	107	40	124	322	14714	68,12	100
chr1	186014810	186015022	HMCN1	NM_031935	107	107	41	176	950	42136	197,82	100
chr1	186017825	186018013	HMCN1	NM_031935	107	107	42	97	253	9958	52,69	100
chr1	186022050	186022229	HMCN1	NM_031935	107	107	43	123	557	23746	131,92	100
chr1	186022907	186023107	HMCN1	NM_031935	107	107	44	162	243	10825	53,86	93,2
chr1	186024582	186024877	HMCN1	NM_031935	107	107	45	282	996	44782	151,29	79,8
chr1	186026370	186026588	HMCN1	NM_031935	107	107	46	168	189	8445	38,56	97,6
chr1	186030906	186031115	HMCN1	NM_031935	107	107	47	114	93	3686	17,55	100
chr1	186031624	186031806	HMCN1	NM_031935	107	107	48	87	305	13615	74,4	100
chr1	186034311	186034505	HMCN1	NM_031935	107	107	49	192	76	3282	16,83	70,8
chr1	186036943	186037167	HMCN1	NM_031935	107	107	50	174	605	25920	115,2	100
chr1	186038736	186038942	HMCN1	NM_031935	107	107	51	114	109	4814	23,26	100
chr1	186039713	186039928	HMCN1	NM_031935	107	107	52	146	1204	49693	230,06	100
chr1	186043862	186044032	HMCN1	NM_031935	107	107	53	151	442	18286	106,94	100
chr1	186045556	186045747	HMCN1	NM_031935	107	107	54	195	1210	50898	265,09	96,4
chr1	186047189	186047395	HMCN1	NM_031935	107	107	55	114	362	14962	72,28	100
chr1	186050266	186050466	HMCN1	NM_031935	107	107	56	188	187	8484	42,21	68,1
chr1	186051986	186052159	HMCN1	NM_031935	107	107	57	97	144	6271	36,04	100
chr1	186055358	186055561	HMCN1	NM_031935	107	107	58	162	273	11687	57,29	100
chr1	186056354	186056794	HMCN1	NM_031935	107	107	59,60	114.203	914	42648	96,71	95.6,100.0
chr1	186056995	186057361	HMCN1	NM_031935	107	107	61,62	82.132	1119	50701	138,15	100.0,64.4
chr1	186057697	186057879	HMCN1	NM_031935	107	107	63	150	81	3502	19,14	94,7
chr1	186059860	186060060	HMCN1	NM_031935	107	107	64	160	217	9343	46,48	100
chr1	186062197	186062412	HMCN1	NM_031935	107	107	65	125	702	30601	141,67	100
chr1	186062627	186062854	HMCN1	NM_031935	107	107	66	184	245	10794	47,34	95,1
chr1	186063341	186063556	HMCN1	NM_031935	107	107	67	98	282	12375	57,29	100
chr1	186064328	186064608	HMCN1	NM_031935	107	107	68	279	1116	50338	179,14	83,9
chr1	186072583	186072759	HMCN1	NM_031935	107	107	69	197	953	37345	210,99	79,2
chr1	186076001	186076180	HMCN1	NM_031935	107	107	70	82	293	11285	62,69	100
chr1	186077551	186077772	HMCN1	NM_031935	107	107	71	137	554	24025	108,22	100
chr1	186081884	186082084	HMCN1	NM_031935	107	107	72	142	211	9706	48,29	99,3
chr1	186083046	186083264	HMCN1	NM_031935	107	107	73	145	49	2046	9,34	100
chr1	186083917	186084099	HMCN1	NM_031935	107	107	74	128	648	28009	153,05	100
chr1	186084331	186084528	HMCN1	NM_031935	107	107	75	157	1356	57226	289,02	88,5
chr1	186086086	186086301	HMCN1	NM_031935	107	107	76	122	340	15561	72,04	100
chr1	186086527	186086721	HMCN1	NM_031935	107	107	77	165	301	12773	65,5	79,4
chr1	186088294	186088515	HMCN1	NM_031935	107	107	78	108	501	22196	99,98	100
chr1	186088853	186089311	HMCN1	NM_031935	107	107	79,80	138.135	1383	64920	141,44	100.0,100.0
chr1	186092026	186092300	HMCN1	NM_031935	107	107	81	270	369	16415	59,69	80,7
chr1	186094685	186094903	HMCN1	NM_031935	107	107	82	191	488	22015	100,53	88
chr1	186097180	186097395	HMCN1	NM_031935	107	107	83	214	79	3552	16,44	86,9
chr1	186099040	186099234	HMCN1	NM_031935	107	107	84	135	674	29717	152,39	100
chr1	186099579	186099776	HMCN1	NM_031935	107	107	85	191	278	12728	64,28	72,3
chr1	186101385	186101594	HMCN1	NM_031935	107	107	86	82	269	12297	58,56	100
chr1	186105764	186106044	HMCN1	NM_031935	107	107	87	270	305	14191	50,5	90,7
chr1	186106594	186107138	HMCN1	NM_031935	107	107	88,89	171.171	1156	56628	103,9	100.0,100.0
chr1	186113274	186113504	HMCN1	NM_031935	107	107	90	171	320	14653	63,43	100
chr1	186113709	186113894	HMCN1	NM_031935	107	107	91	171	249	10453	56,2	74,3
chr1	186114609	186115129	HMCN1	NM_031935	107	107	92,93	171.171	2302	110947	212,95	56.7,100.0
chr1	186120309	186120506	HMCN1	NM_031935	107	107	94	150	857	37351	188,64	100
chr1	186120721	186120894	HMCN1	NM_031935	107	107	95	138	516	22486	129,23	100
chr1	186121836	186122051	HMCN1	NM_031935	107	107	96	122	101	4424	20,48	100
chr1	186122821	186123116	HMCN1	NM_031935	107	107	97	238	1659	79142	267,37	98,7

chr1	186134107	186134325	HMCN1	NM_031935	107	107	98	63	322	13766	62,86	100
chr1	186135263	186135487	HMCN1	NM_031935	107	107	99	120	208	8407	37,36	100
chr1	186135981	186136166	HMCN1	NM_031935	107	107	100	135	651	26516	142,56	69,6
chr1	186140443	186140652	HMCN1	NM_031935	107	107	101	114	231	10310	49,1	100
chr1	186141115	186141345	HMCN1	NM_031935	107	107	102	126	278	10937	47,35	100
chr1	186143606	186143803	HMCN1	NM_031935	107	107	103	129	344	15260	77,07	100
chr1	186147503	186147860	HMCN1	NM_031935	107	107	104	351	1341	61823	172,69	89,2
chr1	186151259	186151462	HMCN1	NM_031935	107	107	105	120	341	14719	72,15	100
chr1	186157037	186157252	HMCN1	NM_031935	107	107	106	127	432	18688	86,52	82,7
chr1	186158561	186159072	HMCN1	NM_031935	107	107	107	367	1374	62773	122,6	100
chr1	196621080	196621265	CFH	NM_000186	22	22	1	58	242	10537	56,65	31
chr1	196642088	196642303	CFH	NM_000186	22	22	2	186	513	21975	101,74	100
chr1	196642915	196643112	CFH	NM_000186	22	22	3	106	245	10315	52,1	100
chr1	196645029	196645211	CFH	NM_000186	22	22	4	77	595	26443	144,5	100
chr1	196646586	196646801	CFH	NM_000186	22	22	5	192	357	15441	71,49	100
chr1	196648782	196648952	CFH	NM_000186	22	22	6	171	321	13410	78,42	83
chr1	196654210	196654422	CFH	NM_000186	22	22	7	174	243	9912	46,54	90,8
chr1	196658701	196658821	CFH	NM_000186	22	22	8	195	166	6240	51,57	22,6
chr1	196659159	196659279	CFH	NM_000186	22	22	9	177	105	3170	26,2	49,2
chr1	196659349	196659528	CFH	NM_000186	22	22	9	177	546	23082	128,23	11,9
chr1	196682897	196683085	CFH	NM_000186	22	22	10	183	304	13875	73,41	82,5
chr1	196684746	196684925	CFH	NM_000186	22	22	11	177	602	27113	150,63	87
chr1	196694271	196694459	CFH	NM_000186	22	22	12	177	367	15439	81,69	88,7
chr1	196695610	196696109	CFH	NM_000186	22	22	13,14	183.180	627	28399	56,8	94,5,100.0
chr1	196697538	196697711	CFH	NM_000186	22	22	15	177	455	19153	110,07	65
chr1	196706013	196706201	CFH	NM_000186	22	22	16	183	309	13456	71,2	67,8
chr1	196706606	196706791	CFH	NM_000186	22	22	17	186	396	18339	98,6	99,5
chr1	196709750	196709935	CFH	NM_000186	22	22	18	174	277	11846	63,69	99,4
chr1	196710986	196711201	CFH	NM_000186	22	22	19	177	328	13989	64,76	100
chr1	196712494	196712614	CFH	NM_000186	22	22	20	177	246	8317	68,74	18,6
chr1	196715092	196715212	CFH	NM_000186	22	22	21	183	296	11243	92,92	20,8
chr1	196716421	196716541	CFH	NM_000186	22	22	22	203	20	968	8	11,3
chr1	197237485	197237658	CRB1	NM_201253	12	12	1	70	1449	59515	342,04	100
chr1	197297611	197298202	CRB1	NM_201253	12	12	2	582	2936	139243	235,21	89,9
chr1	197313378	197313572	CRB1	NM_201253	12	12	3	196	345	15192	77,91	82,7
chr1	197316424	197316642	CRB1	NM_201253	12	12	4	140	367	16456	75,14	100
chr1	197325890	197326170	CRB1	NM_201253	12	12	5	183	1599	74955	266,74	100
chr1	197390089	197391068	CRB1	NM_201253	12	12	6	957	3825	184650	188,42	98,1
chr1	197396527	197397127	CRB1	NM_201253	12	12	7	548	1910	88073	146,54	99,3
chr1	197398495	197398686	CRB1	NM_201253	12	12	8	166	314	13544	70,54	65,1
chr1	197403891	197404793	CRB1	NM_201253	12	12	9	907	3702	180931	200,37	93,9
chr1	197407743	197407922	CRB1	NM_201253	12	12	10	129	177	7251	40,28	48,8
chr1	197411186	197411608	CRB1	NM_201253	12	12	11	127	2112	100337	237,2	100
chr1	197446653	197447084	CRB1	NM_201253	12	12	12	216	1742	81627	188,95	100
chr1	211652319	211652738	RD3	NM_183059	3	2	3	292	99	4474	10,65	100
chr1	211654486	211654855	RD3	NM_183059	3	2	2	296	365	16618	44,91	91,9
chr1	213031674	213032588	FLVCR1	NM_014053	10	10	1	738	347	15848	17,32	100
chr1	213037020	213037196	FLVCR1	NM_014053	10	10	2	145	530	22912	129,45	89,7
chr1	213045974	213046165	FLVCR1	NM_014053	10	10	3	141	446	19223	100,12	100
chr1	213056706	213056897	FLVCR1	NM_014053	10	10	4	68	466	19768	102,96	100
chr1	213058592	213058780	FLVCR1	NM_014053	10	10	5	104	391	16155	85,48	100
chr1	213061259	213061435	FLVCR1	NM_014053	10	10	6	111	306	13443	75,95	76,6
chr1	213061744	213061941	FLVCR1	NM_014053	10	10	7	106	638	27941	141,12	100
chr1	213062494	213062691	FLVCR1	NM_014053	10	10	8	112	437	19549	98,73	94,6

chr1	213068340	213068703	FLVCR1	NM_014053	10	10	9,10	68,75	448	20399	56,04	82.4,100.0
chr1	215798997	215799191	USH2A	NM_206933	72	71	72	90	274	11348	58,19	76,7
chr1	215802174	215802478	USH2A	NM_206933	72	71	71	222	453	20762	68,07	91,9
chr1	215807821	215808101	USH2A	NM_206933	72	71	70	245	1041	47289	168,29	91,8
chr1	215812432	215812653	USH2A	NM_206933	72	71	69	84	204	8696	39,17	100
chr1	215813959	215814156	USH2A	NM_206933	72	71	68	177	556	23630	119,34	66,7
chr1	215820915	215821139	USH2A	NM_206933	72	71	67	209	147	6207	27,59	75,6
chr1	215821920	215822197	USH2A	NM_206933	72	71	66	239	440	19681	70,79	79,1
chr1	215824010	215824213	USH2A	NM_206933	72	71	65	210	344	13614	66,74	63,8
chr1	215844234	215844594	USH2A	NM_206933	72	71	64	322	1041	46647	129,22	87,3
chr1	215847404	215848985	USH2A	NM_206933	72	71	63	1517	5711	273665	172,99	100
chr1	215853461	215853759	USH2A	NM_206933	72	71	62	228	689	31314	104,73	100
chr1	215901305	215901671	USH2A	NM_206933	72	71	61	355	1127	53042	144,53	84,5
chr1	215914703	215914897	USH2A	NM_206933	72	71	60	163	198	9083	46,58	100
chr1	215916479	215916661	USH2A	NM_206933	72	71	59	159	411	18904	103,3	89,9
chr1	215931969	215932163	USH2A	NM_206933	72	71	58	158	429	18490	94,82	79,7
chr1	215932966	215933175	USH2A	NM_206933	72	71	57	184	736	31329	149,19	94,6
chr1	215939970	215940185	USH2A	NM_206933	72	71	56	108	255	11141	51,58	100
chr1	215953249	215953458	USH2A	NM_206933	72	71	55	199	580	25537	121,6	67,8
chr1	215955405	215955575	USH2A	NM_206933	72	71	54	155	254	11424	66,81	86,5
chr1	215956075	215956293	USH2A	NM_206933	72	71	53	198	311	13893	63,44	100
chr1	215959962	215960147	USH2A	NM_206933	72	71	52	205	330	14551	78,23	66,3
chr1	215963369	215963643	USH2A	NM_206933	72	71	51	224	1091	49524	180,09	100
chr1	215972256	215972512	USH2A	NM_206933	72	71	50	219	1623	70581	274,63	96,8
chr1	215987080	215987274	USH2A	NM_206933	72	71	49	169	274	11106	56,95	98,8
chr1	215990328	215990549	USH2A	NM_206933	72	71	48	199	343	15034	67,72	100
chr1	216011288	216011476	USH2A	NM_206933	72	71	47	113	119	4897	25,91	100
chr1	216017600	216017815	USH2A	NM_206933	72	71	46	203	378	16502	76,4	88,7
chr1	216019221	216019433	USH2A	NM_206933	72	71	45	210	229	9755	45,8	73,8
chr1	216040285	216040515	USH2A	NM_206933	72	71	44	164	550	24318	105,27	100
chr1	216051081	216051287	USH2A	NM_206933	72	71	43	123	672	29277	141,43	100
chr1	216052146	216052500	USH2A	NM_206933	72	71	42	335	1300	61636	173,62	88,1
chr1	216061816	216062496	USH2A	NM_206933	72	71	41	629	4582	222174	326,25	92,4
chr1	216073375	216073587	USH2A	NM_206933	72	71	40	143	264	11390	53,47	100
chr1	216074011	216074199	USH2A	NM_206933	72	71	39	151	361	15644	82,77	68,2
chr1	216107941	216108153	USH2A	NM_206933	72	71	38	180	171	6807	31,96	100
chr1	216138627	216138851	USH2A	NM_206933	72	71	37	163	70	2888	12,84	100
chr1	216143906	216144121	USH2A	NM_206933	72	71	36	152	379	16371	75,79	100
chr1	216166290	216166463	USH2A	NM_206933	72	71	35	148	529	23204	133,36	68,9
chr1	216172175	216172375	USH2A	NM_206933	72	71	34	172	169	7725	38,43	85,5
chr1	216173655	216173849	USH2A	NM_206933	72	71	33	160	327	15683	80,43	65,6
chr1	216219768	216219995	USH2A	NM_206933	72	71	32	162	105	4280	18,77	100
chr1	216221826	216222044	USH2A	NM_206933	72	71	31	114	211	8694	39,7	100
chr1	216243510	216243710	USH2A	NM_206933	72	71	30	192	982	42727	212,57	65,1
chr1	216246231	216246698	USH2A	NM_206933	72	71	29,28	81.204	1790	82628	176,56	100.0,100.0
chr1	216251499	216251773	USH2A	NM_206933	72	71	27	274	464	22220	80,8	75,2
chr1	216256810	216257028	USH2A	NM_206933	72	71	26	131	268	11080	50,59	90,8
chr1	216257990	216258211	USH2A	NM_206933	72	71	25	180	134	5640	25,41	95,6
chr1	216259996	216260226	USH2A	NM_206933	72	71	24	102	235	10397	45,01	100
chr1	216262287	216262490	USH2A	NM_206933	72	71	23	127	818	36355	178,21	100
chr1	216270419	216270628	USH2A	NM_206933	72	71	22	131	723	32007	152,41	100
chr1	216348444	216348890	USH2A	NM_206933	72	71	21	231	319	15017	33,6	100
chr1	216363518	216363706	USH2A	NM_206933	72	71	20	145	222	9658	51,1	97,9
chr1	216369882	216370094	USH2A	NM_206933	72	71	19	170	1003	45155	212	100

chr1	216371612	216371907	USH2A	NM_206933	72	71	18	270	362	17562	59,33	93
chr1	216372898	216373421	USH2A	NM_206933	72	71	17	495	703	34078	65,03	91,5
chr1	216380623	216380826	USH2A	NM_206933	72	71	16	159	333	14658	71,85	95
chr1	216390707	216390925	USH2A	NM_206933	72	71	15	164	197	8557	39,07	100
chr1	216405271	216405501	USH2A	NM_206933	72	71	14	184	183	8440	36,54	100
chr1	216419871	216420566	USH2A	NM_206933	72	71	13	642	2833	136649	196,33	99,7
chr1	216424275	216424484	USH2A	NM_206933	72	71	12	196	856	36066	171,74	84,7
chr1	216462583	216462801	USH2A	NM_206933	72	71	11	131	664	31157	142,27	100
chr1	216465499	216465726	USH2A	NM_206933	72	71	10	196	440	19768	86,7	100
chr1	216495186	216495410	USH2A	NM_206933	72	71	9	94	692	31592	140,41	100
chr1	216496801	216497051	USH2A	NM_206933	72	71	8	222	798	36497	145,41	100
chr1	216497516	216497695	USH2A	NM_206933	72	71	7	185	391	14962	83,12	96,8
chr1	216498587	216498858	USH2A	NM_206933	72	71	6	295	563	24964	91,78	71,9
chr1	216500879	216501058	USH2A	NM_206933	72	71	5	64	577	22829	126,83	100
chr1	216538275	216538445	USH2A	NM_206933	72	71	4	133	353	15022	87,85	100
chr1	216591892	216592095	USH2A	NM_206933	72	71	3	166	1069	46613	228,5	78,3
chr1	216595193	216595802	USH2A	NM_206933	72	71	2	485	1383	62306	102,14	100
chr1	243419395	243419565	SDCCAG8	NM_006642	18	18	1	67	371	15441	90,3	100
chr1	243433457	243433648	SDCCAG8	NM_006642	18	18	2	153	842	36560	190,42	67,3
chr1	243434210	243434413	SDCCAG8	NM_006642	18	18	3	86	546	24106	118,17	100
chr1	243437843	243438019	SDCCAG8	NM_006642	18	18	4	114	152	6240	35,25	100
chr1	243449569	243449769	SDCCAG8	NM_006642	18	18	5	126	94	3727	18,54	100
chr1	243456370	243456813	SDCCAG8	NM_006642	18	18	6	129	437	19795	44,58	100
chr1	243467976	243468161	SDCCAG8	NM_006642	18	18	7	65	211	8157	43,85	100
chr1	243471344	243471538	SDCCAG8	NM_006642	18	18	8	189	434	19504	100,02	72
chr1	243479993	243480190	SDCCAG8	NM_006642	18	18	9	139	105	4294	21,69	96,4
chr1	243493737	243494085	SDCCAG8	NM_006642	18	18	10	153	330	15394	44,11	100
chr1	243504313	243504498	SDCCAG8	NM_006642	18	18	11	135	207	9069	48,76	100
chr1	243507411	243507608	SDCCAG8	NM_006642	18	18	12	117	256	10963	55,37	78,6
chr1	243541972	243542151	SDCCAG8	NM_006642	18	18	13	143	142	6343	35,24	90,2
chr1	243578904	243579092	SDCCAG8	NM_006642	18	18	14	128	423	18368	97,19	69,5
chr1	243581184	243581408	SDCCAG8	NM_006642	18	18	15	109	231	9913	44,06	100
chr1	243589769	243589954	SDCCAG8	NM_006642	18	18	16	132	326	12921	69,47	69,7
chr1	243652218	243652406	SDCCAG8	NM_006642	18	18	17	127	170	7825	41,4	71,7
chr1	243662976	243663232	SDCCAG8	NM_006642	18	18	18	30	687	32368	125,95	100
chr2	27600306	27601851	ZNF513	NM_144631	4	4	4,3	827.588	1190	56812	36,75	100,0,88.1
chr2	27602874	27603557	ZNF513	NM_144631	4	4	2,1	156,55	1777	84705	123,84	100,0,100.0
chr2	29287670	29287885	C2orf71	NM_001029883	2	2	2	199	141	5462	25,29	75,9
chr2	29293448	29297198	C2orf71	NM_001029883	2	2	1	3668	9275	449510	119,84	100
chr2	56094077	56094381	EFEMP1	NM_001039348	12	10	12	162	421	19010	62,33	100
chr2	56097857	56098306	EFEMP1	NM_001039348	12	10	11,10	196.124	1005	46698	103,77	99,0,100.0
chr2	56102064	56102258	EFEMP1	NM_001039348	12	10	9	120	545	25152	128,98	100
chr2	56103687	56103878	EFEMP1	NM_001039348	12	10	8	120	161	7550	39,32	100
chr2	56104834	56105046	EFEMP1	NM_001039348	12	10	7	120	518	21760	102,16	100
chr2	56108779	56108961	EFEMP1	NM_001039348	12	10	6	123	745	31537	172,33	74
chr2	56144845	56145475	EFEMP1	NM_001039348	12	10	5,4	387,49	1568	75761	120,06	88,4,100.0
chr2	56149425	56149705	EFEMP1	NM_001039348	12	10	3	81	107	4946	17,6	100
chr2	62053507	62053808	FAM161A	NM_032180	6	6	6	145	97	4558	15,09	100
chr2	62054197	62054379	FAM161A	NM_032180	6	6	5	155	193	8241	45,03	91
chr2	62063058	62063249	FAM161A	NM_032180	6	6	4	100	319	11269	58,69	100
chr2	62066609	62067763	FAM161A	NM_032180	6	6	3	1161	3106	148615	128,67	95,4
chr2	62069258	62069547	FAM161A	NM_032180	6	6	2	239	319	14542	50,14	99,6
chr2	62080929	62081203	FAM161A	NM_032180	6	6	1	183	276	13027	47,37	100
chr2	63348990	63349258	WDPCP	NM_015910	18	18	18	51	452	20877	77,61	100

chr2	63379961	63380155	WDPCP	NM_015910	18	18	17	32	222	9084	46,58	100
chr2	63380554	63380727	WDPCP	NM_015910	18	18	16	80	182	7868	45,22	100
chr2	63401767	63401940	WDPCP	NM_015910	18	18	15	163	164	6844	39,33	83,4
chr2	63486425	63486607	WDPCP	NM_015910	18	18	14	103	146	6699	36,61	100
chr2	63540284	63540484	WDPCP	NM_015910	18	18	13	64	146	6106	30,38	100
chr2	63605509	63605712	WDPCP	NM_015910	18	18	12	124	104	4338	21,26	100
chr2	63608995	63609198	WDPCP	NM_015910	18	18	11	189	754	33044	161,98	83,6
chr2	63631148	63631828	WDPCP	NM_015910	18	18	10	610	2101	99946	146,76	100
chr2	63660835	63661044	WDPCP	NM_015910	18	18	9	192	201	9168	43,66	86,5
chr2	63664500	63664682	WDPCP	NM_015910	18	18	8	134	49	2018	11,03	95,5
chr2	63666775	63666972	WDPCP	NM_015910	18	18	7	115	498	20657	104,33	71,3
chr2	63711697	63711903	WDPCP	NM_015910	18	18	6	60	443	18686	90,27	100
chr2	63712003	63712200	WDPCP	NM_015910	18	18	5	71	108	5057	25,54	100
chr2	63713603	63713788	WDPCP	NM_015910	18	18	4	45	159	6244	33,57	100
chr2	63714573	63714779	WDPCP	NM_015910	18	18	3	48	170	7497	36,22	100
chr2	63719883	63720077	WDPCP	NM_015910	18	18	2	85	194	8326	42,7	100
chr2	63815366	63815551	WDPCP	NM_015910	18	18	1	75	91	3627	19,5	53,3
chr2	73612898	73613018	ALMS1	NM_015120	23	23	1	324	0	0	0	6,8
chr2	73613082	73613344	ALMS1	NM_015120	23	23	1	324	296	14062	53,47	73,8
chr2	73635742	73635942	ALMS1	NM_015120	23	23	2	126	496	21611	107,52	100
chr2	73646239	73646436	ALMS1	NM_015120	23	23	3	196	426	18404	92,95	94,9
chr2	73650000	73650200	ALMS1	NM_015120	23	23	4	118	699	30826	153,36	87,3
chr2	73651560	73652068	ALMS1	NM_015120	23	23	5	473	920	41301	81,14	99,6
chr2	73653533	73653721	ALMS1	NM_015120	23	23	6	101	372	16401	86,78	100
chr2	73659272	73659472	ALMS1	NM_015120	23	23	7	94	203	8340	41,49	100
chr2	73675063	73681171	ALMS1	NM_015120	23	23	8	6105	40329	1929201	315,8	99,6
chr2	73682264	73682440	ALMS1	NM_015120	23	23	9	134	215	9017	50,94	100
chr2	73716782	73718674	ALMS1	NM_015120	23	23	10	1865	6415	306353	161,83	98,9
chr2	73746822	73747102	ALMS1	NM_015120	23	23	11	242	673	30322	107,91	83,1
chr2	73761928	73762101	ALMS1	NM_015120	23	23	12	126	802	35297	202,86	100
chr2	73777441	73777638	ALMS1	NM_015120	23	23	13	171	289	12491	63,09	72,5
chr2	73784304	73784513	ALMS1	NM_015120	23	23	14	135	129	5847	27,84	100
chr2	73786038	73786268	ALMS1	NM_015120	23	23	15	171	206	8723	37,76	99,4
chr2	73799389	73800638	ALMS1	NM_015120	23	23	16	1163	3461	167017	133,61	100
chr2	73827743	73827931	ALMS1	NM_015120	23	23	18	204	622	25805	136,53	62,3
chr2	73828338	73828612	ALMS1	NM_015120	23	23	19	242	338	15339	55,78	93,4
chr2	73829246	73829428	ALMS1	NM_015120	23	23	20	184	369	15185	82,98	63,6
chr2	73830339	73830530	ALMS1	NM_015120	23	23	21	64	470	20629	107,44	100
chr2	73835554	73835745	ALMS1	NM_015120	23	23	22	100	171	7158	37,28	100
chr2	73836659	73836847	ALMS1	NM_015120	23	23	23	45	453	18472	97,74	100
chr2	96940646	96941006	SNRNP200	NM_014014	45	45	45,44	144,93	796	37623	104,22	100.0,12.9
chr2	96942457	96943075	SNRNP200	NM_014014	45	45	43,42	82.161	2617	120372	194,46	100.0,100.0
chr2	96943337	96943771	SNRNP200	NM_014014	45	45	41,40	177.144	1365	64094	147,34	66.1,100.0
chr2	96944010	96944201	SNRNP200	NM_014014	45	45	39	122	324	13974	72,78	71,3
chr2	96944350	96944778	SNRNP200	NM_014014	45	45	38,37	165.190	749	35722	83,27	60.6,100.0
chr2	96945073	96945288	SNRNP200	NM_014014	45	45	36	109	210	8999	41,66	91,7
chr2	96947430	96947645	SNRNP200	NM_014014	45	45	35	109	317	12903	59,74	86,2
chr2	96948930	96949761	SNRNP200	NM_014014	45	45	34,33,32	152.179.192	2663	128420	154,35	100.0,100.0,100.0
chr2	96950129	96950409	SNRNP200	NM_014014	45	45	31	228	797	36360	129,4	85,5
chr2	96950795	96951167	SNRNP200	NM_014014	45	45	30	161	693	31882	85,47	100
chr2	96951984	96952184	SNRNP200	NM_014014	45	45	29	174	222	10033	49,92	78,2
chr2	96952392	96952921	SNRNP200	NM_014014	45	45	28,27	190.155	3468	158710	299,45	100.0,100.0
chr2	96953183	96953407	SNRNP200	NM_014014	45	45	26	119	768	34287	152,39	95
chr2	96953562	96953750	SNRNP200	NM_014014	45	45	25	107	949	40570	214,66	100

chr2	96954402	96954617	SNRNP200	NM_014014	45	45	24	84	195	7924	36,69	98,8
chr2	96954693	96955074	SNRNP200	NM_014014	45	45	23,22	81.153	724	33893	88,73	100.0,71.9
chr2	96955463	96955672	SNRNP200	NM_014014	45	45	21	198	765	33525	159,64	68,7
chr2	96956060	96956580	SNRNP200	NM_014014	45	45	20,19	189.132	1026	49045	94,14	100.0,100.0
chr2	96957132	96957356	SNRNP200	NM_014014	45	45	18	111	736	31435	139,71	98,2
chr2	96957451	96957675	SNRNP200	NM_014014	45	45	17	150	859	36875	163,89	100
chr2	96958674	96958856	SNRNP200	NM_014014	45	45	16	124	278	11437	62,5	100
chr2	96958993	96959175	SNRNP200	NM_014014	45	45	15	194	1219	52778	288,4	62,9
chr2	96961135	96961338	SNRNP200	NM_014014	45	45	14	171	434	19327	94,74	66,1
chr2	96962254	96962442	SNRNP200	NM_014014	45	45	13	156	606	24899	131,74	100
chr2	96962714	96962914	SNRNP200	NM_014014	45	45	12	138	350	16095	80,07	68,8
chr2	96963174	96963516	SNRNP200	NM_014014	45	45	11,10	174,84	1057	50697	147,8	58.0,100.0
chr2	96963954	96964640	SNRNP200	NM_014014	45	45	9,8,7	137.100.153	1529	71907	104,67	100.0,100.0,57.5
chr2	96964949	96965149	SNRNP200	NM_014014	45	45	6	99	599	24593	122,35	83,8
chr2	96966636	96966842	SNRNP200	NM_014014	45	45	5	56	475	20689	99,95	100
chr2	96967188	96967385	SNRNP200	NM_014014	45	45	4	193	614	27433	138,55	64,2
chr2	96968813	96969037	SNRNP200	NM_014014	45	45	3	172	1732	74029	329,02	82
chr2	96970496	96970699	SNRNP200	NM_014014	45	45	2	164	108	4705	23,06	67,7
chr2	96971027	96971230	SNRNP200	NM_014014	45	45	1	45	1473	66565	326,3	100
chr2	97426657	97428235	CNNM4	NM_020184	7	7	1	1402	8060	389878	246,91	100
chr2	97462795	97462974	CNNM4	NM_020184	7	7	2	144	265	9442	52,46	68,1
chr2	97463219	97463425	CNNM4	NM_020184	7	7	3	135	563	24048	116,17	100
chr2	97464778	97464963	CNNM4	NM_020184	7	7	4	170	1277	55690	299,41	100
chr2	97465176	97465361	CNNM4	NM_020184	7	7	5	97	493	21554	115,88	75,3
chr2	97474363	97474548	CNNM4	NM_020184	7	7	6	182	466	19111	102,75	64,3
chr2	97475030	97475286	CNNM4	NM_020184	7	7	7	198	1306	59621	231,99	100
chr2	98986343	98986537	CNGA3	NM_001298	8	7	2	101	465	19216	98,54	98
chr2	98994055	98994231	CNGA3	NM_001298	8	7	3	114	145	5342	30,18	71,9
chr2	98996651	98996857	CNGA3	NM_001298	8	7	4	180	186	7965	38,48	92,8
chr2	98999711	98999917	CNGA3	NM_001298	8	7	5	54	225	9895	47,8	100
chr2	99006018	99006233	CNGA3	NM_001298	8	7	6	117	372	15754	72,94	96,6
chr2	99008219	99008419	CNGA3	NM_001298	8	7	7	107	834	36575	181,97	86,9
chr2	99012229	99013813	CNGA3	NM_001298	8	7	8	1412	4025	194579	122,76	100
chr2	110881272	110881721	NPHP1	NM_000272	20	20	20	273	701	33619	74,71	100
chr2	110882773	110883272	NPHP1	NM_000272	20	20	19	45	1961	91153	182,31	100
chr2	110886657	110886884	NPHP1	NM_000272	20	20	18	74	427	18989	83,29	100
chr2	110889154	110889345	NPHP1	NM_000272	20	20	17	113	74	3276	17,06	79,6
chr2	110901017	110901205	NPHP1	NM_000272	20	20	16	100	384	15826	83,74	87
chr2	110902004	110902207	NPHP1	NM_000272	20	20	15	77	327	13360	65,49	100
chr2	110904285	110904455	NPHP1	NM_000272	20	20	14	83	340	13912	81,36	100
chr2	110905393	110905599	NPHP1	NM_000272	20	20	13	111	518	22809	110,19	96,4
chr2	110907695	110907901	NPHP1	NM_000272	20	20	12	75	556	23813	115,04	100
chr2	110917646	110917846	NPHP1	NM_000272	20	20	11	129	218	9770	48,61	100
chr2	110919111	110919299	NPHP1	NM_000272	20	20	10	95	123	5803	30,7	100
chr2	110920523	110920753	NPHP1	NM_000272	20	20	9	88	766	34400	148,92	100
chr2	110922068	110922259	NPHP1	NM_000272	20	20	8	211	647	29304	152,63	77,3
chr2	110922574	110922774	NPHP1	NM_000272	20	20	7	104	1948	86822	431,95	100
chr2	110925955	110926143	NPHP1	NM_000272	20	20	6	102	609	21714	114,89	100
chr2	110927312	110927503	NPHP1	NM_000272	20	20	5	193	1310	57254	298,2	62,7
chr2	110935875	110936155	NPHP1	NM_000272	20	20	4	125	430	18681	66,48	100
chr2	110937055	110937255	NPHP1	NM_000272	20	20	3	61	340	14900	74,13	90,2
chr2	110958859	110959077	NPHP1	NM_000272	20	20	2	74	245	10105	46,14	100
chr2	110962383	110962592	NPHP1	NM_000272	20	20	1	69	86	3406	16,22	100
chr2	112656180	112656353	MERTK	NM_006343	19	19	1	61	19	809	4,65	67,2

chr2	112686671	112687132	MERTK	NM_006343	19	19	2	421	1263	58982	127,67	100
chr2	112702450	112702644	MERTK	NM_006343	19	19	3	101	753	32272	165,5	100
chr2	112704924	112705121	MERTK	NM_006343	19	19	4	174	149	5982	30,21	86,8
chr2	112722641	112722859	MERTK	NM_006343	19	19	5	87	661	28476	130,03	100
chr2	112725698	112725907	MERTK	NM_006343	19	19	6	116	871	40200	191,43	100
chr2	112732827	112733015	MERTK	NM_006343	19	19	7	184	839	36536	193,31	81,5
chr2	112740334	112740522	MERTK	NM_006343	19	19	8	152	438	20056	106,12	68,4
chr2	112751871	112752148	MERTK	NM_006343	19	19	9	154	366	16294	58,61	72,1
chr2	112754729	112755083	MERTK	NM_006343	19	19	10	154	859	41201	116,06	100
chr2	112758702	112758887	MERTK	NM_006343	19	19	11	86	361	16100	86,56	100
chr2	112760601	112760771	MERTK	NM_006343	19	19	12	96	141	5643	33	100
chr2	112761393	112761587	MERTK	NM_006343	19	19	13	81	711	31563	161,86	100
chr2	112766023	112766205	MERTK	NM_006343	19	19	14	93	294	12067	65,94	32,3
chr2	112767421	112767793	MERTK	NM_006343	19	19	15	119	1052	49705	133,26	100
chr2	112776886	112777083	MERTK	NM_006343	19	19	16	110	1176	52596	265,64	85,5
chr2	112779041	112779253	MERTK	NM_006343	19	19	17	160	89	3801	17,85	73,8
chr2	112779746	112780106	MERTK	NM_006343	19	19	18	137	787	37117	102,82	100
chr2	112785834	112786508	MERTK	NM_006343	19	19	19	514	2278	107910	159,87	100
chr2	170335940	170336137	BBS5	NM_152384	12	12	1	59	158	6665	33,66	100
chr2	170338758	170338952	BBS5	NM_152384	12	12	2	83	131	5015	25,72	100
chr2	170343466	170343642	BBS5	NM_152384	12	12	3	66	82	3108	17,56	97
chr2	170344268	170344622	BBS5	NM_152384	12	12	4,5	50.128	524	23086	65,03	100.0,98.4
chr2	170349423	170349611	BBS5	NM_152384	12	12	6	136	321	13697	72,47	71,3
chr2	170350180	170350368	BBS5	NM_152384	12	12	7	96	81	3459	18,3	100
chr2	170353992	170354210	BBS5	NM_152384	12	12	8	63	109	4342	19,83	100
chr2	170355986	170356177	BBS5	NM_152384	12	12	9	135	243	10472	54,54	100
chr2	170359546	170359731	BBS5	NM_152384	12	12	10	84	443	19100	102,69	100
chr2	170360798	170361170	BBS5	NM_152384	12	12	11,12	24.102	1235	59495	159,5	100.0,100.0
chr2	182402762	182403027	CERKL	NM_001030311	14	14	14	61	130	6140	23,08	100
chr2	182403789	182403974	CERKL	NM_001030311	14	14	13	173	834	34702	186,57	90,2
chr2	182409329	182409514	CERKL	NM_001030311	14	14	12	97	161	7001	37,64	90,7
chr2	182412304	182412611	CERKL	NM_001030311	14	14	11,10	109,26	699	32624	105,92	100.0,100.0
chr2	182413270	182413651	CERKL	NM_001030311	14	14	9,8	60.178	695	31575	82,66	100.0,100.0
chr2	182414336	182414515	CERKL	NM_001030311	14	14	7	75	685	27886	154,92	100
chr2	182423338	182423511	CERKL	NM_001030311	14	14	6	143	293	13141	75,52	68,5
chr2	182430113	182430283	CERKL	NM_001030311	14	14	5	78	223	9221	53,92	100
chr2	182430716	182430904	CERKL	NM_001030311	14	14	4	64	338	14666	77,6	100
chr2	182438481	182438660	CERKL	NM_001030311	14	14	3	132	723	31317	173,98	99,2
chr2	182468449	182468809	CERKL	NM_001030311	14	14	2	243	470	21003	58,18	100
chr2	182521543	182522149	CERKL	NM_001030311	14	14	1	238	535	23795	39,2	80,3
chr2	202488870	202488990	TMEM237	NM_001044385	12	12	12	68	101	4216	34,84	19,1
chr2	202490724	202490894	TMEM237	NM_001044385	12	12	11	122	79	2992	17,5	100
chr2	202491975	202492157	TMEM237	NM_001044385	12	12	10	94	509	22213	121,38	100
chr2	202492733	202492924	TMEM237	NM_001044385	12	12	9	74	237	10370	54,01	100
chr2	202493978	202494178	TMEM237	NM_001044385	12	12	8	192	336	14690	73,08	87
chr2	202494488	202494679	TMEM237	NM_001044385	12	12	7	124	195	7003	36,47	71
chr2	202496720	202496941	TMEM237	NM_001044385	12	12	6	158	293	12986	58,5	100
chr2	202497978	202498163	TMEM237	NM_001044385	12	12	5	121	280	12307	66,17	100
chr2	202501424	202501645	TMEM237	NM_001044385	12	12	4	138	129	5360	24,14	100
chr2	202503660	202503878	TMEM237	NM_001044385	12	12	3	62	153	6301	28,77	100
chr2	202505537	202505719	TMEM237	NM_001044385	12	12	2	32	186	8148	44,52	100
chr2	202508003	202508197	TMEM237	NM_001044385	12	12	1	42	41	1835	9,41	100
chr2	233632754	233633538	KCNJ13	NM_002242	3	2	3	623	2429	118622	151,11	100
chr2	233635590	233636122	KCNJ13	NM_002242	3	2	2	460	1756	85961	161,28	100

chr2	233641054	233641260	KCNJ13	NM_002242	3	2	1	121	353	15563	75,18	87,6
chr2	234217719	234217949	SAG	NM_000541	16	15	2	75	410	18486	80,03	100
chr2	234224725	234224922	SAG	NM_000541	16	15	3	61	590	26353	133,1	93,4
chr2	234227308	234227618	SAG	NM_000541	16	15	4	45	256	11962	38,46	100
chr2	234229242	234229439	SAG	NM_000541	16	15	5	194	405	16848	85,09	84,5
chr2	234231530	234231715	SAG	NM_000541	16	15	6	60	451	19503	104,85	100
chr2	234235750	234235941	SAG	NM_000541	16	15	7	77	333	13943	72,62	100
chr2	234237031	234237225	SAG	NM_000541	16	15	8	136	536	22280	114,26	75
chr2	234238011	234238220	SAG	NM_000541	16	15	9	85	334	14336	68,27	96,5
chr2	234240296	234240487	SAG	NM_000541	16	15	10	73	1702	72301	376,57	86,3
chr2	234243516	234243713	SAG	NM_000541	16	15	11	138	119	5066	25,59	76,8
chr2	234247287	234247493	SAG	NM_000541	16	15	12	78	284	12783	61,75	100
chr2	234249051	234249251	SAG	NM_000541	16	15	13	24	164	7203	35,84	100
chr2	234250944	234251123	SAG	NM_000541	16	15	14	56	194	8399	46,66	51,8
chr2	234254905	234255078	SAG	NM_000541	16	15	15	10	712	29607	170,16	100
chr2	234255373	234255656	SAG	NM_000541	16	15	16	106	671	28918	101,82	100
chr3	45867661	45867831	LZTFL1	NM_020347	10	10	10	19	274	11062	64,69	100
chr3	45868772	45868954	LZTFL1	NM_020347	10	10	9	104	775	33042	180,56	100
chr3	45869873	45870103	LZTFL1	NM_020347	10	10	8	177	617	26626	115,26	97,7
chr3	45872362	45872639	LZTFL1	NM_020347	10	10	7,6	78,66	716	31184	112,17	100,0,100,0
chr3	45874417	45874602	LZTFL1	NM_020347	10	10	5	72	538	23251	125,01	84,7
chr3	45875689	45875904	LZTFL1	NM_020347	10	10	4	61	45	1852	8,57	100
chr3	45877051	45877254	LZTFL1	NM_020347	10	10	3	195	280	12478	61,17	88,7
chr3	45879431	45879637	LZTFL1	NM_020347	10	10	2	125	176	7657	36,99	90,4
chr3	50229020	50229232	GNAT1	NM_144499	9	8	1	106	217	9122	42,83	69,8
chr3	50230634	50231364	GNAT1	NM_144499	9	8	3,4,5	142.158.129	1315	60822	83,2	100,0,100,0,100,0
chr3	50231561	50231740	GNAT1	NM_144499	9	8	6	130	55	2474	13,74	72,3
chr3	50231985	50232425	GNAT1	NM_144499	9	8	7,8	154.191	697	31277	70,92	66,9,100,0
chr3	97486909	97487085	ARL6	NM_032146	9	7	3	123	241	10380	58,64	100
chr3	97498945	97499139	ARL6	NM_032146	9	7	4	62	225	9889	50,71	100
chr3	97499431	97499619	ARL6	NM_032146	9	7	5	69	418	18883	99,91	100
chr3	97503787	97503969	ARL6	NM_032146	9	7	6	95	810	34258	187,2	100
chr3	97506837	97507028	ARL6	NM_032146	9	7	7	130	269	11166	58,16	97,7
chr3	97510551	97510730	ARL6	NM_032146	9	7	8	56	233	9947	55,26	100
chr3	97516862	97517065	ARL6	NM_032146	9	7	9	26	268	11038	54,11	100
chr3	100947553	100947735	IMPG2	NM_016247	19	19	18	80	35	1524	8,33	100
chr3	100948297	100948497	IMPG2	NM_016247	19	19	17	211	241	10134	50,42	65,4
chr3	100949749	100949955	IMPG2	NM_016247	19	19	16	189	1615	68409	330,48	82
chr3	100951647	100951868	IMPG2	NM_016247	19	19	15	211	544	23431	105,55	89,6
chr3	100961486	100961766	IMPG2	NM_016247	19	19	14	220	924	43785	155,82	100
chr3	100962308	100963631	IMPG2	NM_016247	19	19	13	1259	4927	239898	181,19	100
chr3	100964563	100964917	IMPG2	NM_016247	19	19	12	304	1518	68198	192,11	89,5
chr3	100972485	100972691	IMPG2	NM_016247	19	19	11	86	572	24442	118,08	100
chr3	100976300	100976571	IMPG2	NM_016247	19	19	10	245	528	24641	90,59	81,2
chr3	100986210	100986395	IMPG2	NM_016247	19	19	9	21	430	18919	101,72	100
chr3	100988302	100988484	IMPG2	NM_016247	19	19	8	59	199	8798	48,08	100
chr3	100992402	100992605	IMPG2	NM_016247	19	19	7	162	287	11928	58,47	100
chr3	100994432	100994662	IMPG2	NM_016247	19	19	6	83	368	16844	72,92	100
chr3	100995483	100995692	IMPG2	NM_016247	19	19	5	50	52	2380	11,33	100
chr3	101010175	101010369	IMPG2	NM_016247	19	19	4	32	293	13052	66,93	100
chr3	101022909	101023118	IMPG2	NM_016247	19	19	3	167	133	5757	27,41	77,2
chr3	101038435	101038712	IMPG2	NM_016247	19	19	2	249	968	45681	164,32	97,2
chr3	101039129	101039311	IMPG2	NM_016247	19	19	1	85	144	5835	31,89	100
chr3	121489105	121489373	IQCB1	NM_001023570	15	13	15	230	1246	55131	204,95	79,1

chr3	121491318	121491509	IQCB1	NM_001023570	15	13	14	157	171	7360	38,33	67,5
chr3	121500627	121500815	IQCB1	NM_001023570	15	13	13	132	78	2745	14,52	72
chr3	121507179	121507355	IQCB1	NM_001023570	15	13	12	149	571	24916	140,77	67,8
chr3	121508965	121509153	IQCB1	NM_001023570	15	13	11	143	66	2464	13,04	68,5
chr3	121514333	121514503	IQCB1	NM_001023570	15	13	10	110	117	3938	23,03	73,6
chr3	121515994	121516170	IQCB1	NM_001023570	15	13	9	110	81	3435	19,41	73,6
chr3	121518106	121518288	IQCB1	NM_001023570	15	13	8	179	104	4452	24,33	64,8
chr3	121526215	121526415	IQCB1	NM_001023570	15	13	7	100	185	6889	34,27	76
chr3	121527784	121527972	IQCB1	NM_001023570	15	13	6	94	241	8846	46,8	77,7
chr3	121544937	121545122	IQCB1	NM_001023570	15	13	5	130	61	2623	14,1	70
chr3	121547267	121547452	IQCB1	NM_001023570	15	13	4	163	423	19141	102,91	83,4
chr3	121547731	121547907	IQCB1	NM_001023570	15	13	3	100	203	8112	45,83	77
chr3	129247502	129247924	RHO	NM_000539	5	5	1	361	1761	81265	192,12	96,4
chr3	129249630	129249839	RHO	NM_000539	5	5	2	169	359	15494	73,78	71,6
chr3	129251109	129251614	RHO	NM_000539	5	5	3,4	166.240	1572	66478	131,38	91,0,99.6
chr3	129252495	129252716	RHO	NM_000539	5	5	5	111	260	11229	50,58	60,4
chr3	132400632	132400903	NPHP3	NM_153240	27	27	27	181	964	44635	164,1	82,9
chr3	132401486	132401665	NPHP3	NM_153240	27	27	26	116	844	33851	188,06	100
chr3	132402211	132402390	NPHP3	NM_153240	27	27	25	126	427	17469	97,05	100
chr3	132403428	132403717	NPHP3	NM_153240	27	27	24	241	222	9868	34,03	87,6
chr3	132405073	132405273	NPHP3	NM_153240	27	27	23	128	111	4773	23,75	100
chr3	132405884	132406063	NPHP3	NM_153240	27	27	22	76	253	10855	60,31	90,8
chr3	132407491	132408085	NPHP3	NM_153240	27	27	21,20	242.190	4612	216117	363,22	100,0,88.4
chr3	132409359	132409577	NPHP3	NM_153240	27	27	19	123	226	9977	45,56	100
chr3	132409982	132410170	NPHP3	NM_153240	27	27	18	95	279	11279	59,68	100
chr3	132411491	132411691	NPHP3	NM_153240	27	27	17	165	533	23274	115,79	100
chr3	132413615	132413806	NPHP3	NM_153240	27	27	16	139	1174	54151	282,04	97,8
chr3	132415578	132415769	NPHP3	NM_153240	27	27	15	83	1224	48826	254,3	96,4
chr3	132416024	132416218	NPHP3	NM_153240	27	27	14	103	433	17654	90,53	100
chr3	132418130	132418303	NPHP3	NM_153240	27	27	13	98	201	8749	50,28	100
chr3	132418688	132418861	NPHP3	NM_153240	27	27	12	144	418	17100	98,28	69,4
chr3	132419143	132419328	NPHP3	NM_153240	27	27	11	115	214	8798	47,3	100
chr3	132420219	132420434	NPHP3	NM_153240	27	27	10	104	112	5059	23,42	100
chr3	132423028	132423243	NPHP3	NM_153240	27	27	9	174	937	38333	177,47	100
chr3	132424553	132424750	NPHP3	NM_153240	27	27	8	75	160	7550	38,13	100
chr3	132426943	132427164	NPHP3	NM_153240	27	27	7	157	215	9268	41,75	100
chr3	132432012	132432194	NPHP3	NM_153240	27	27	6	161	156	6490	35,46	73,9
chr3	132433898	132434092	NPHP3	NM_153240	27	27	5	134	249	11028	56,55	100
chr3	132435591	132435821	NPHP3	NM_153240	27	27	4	153	384	16450	71,21	100
chr3	132437803	132438006	NPHP3	NM_153240	27	27	3	151	972	40833	200,16	100
chr3	132438511	132438708	NPHP3	NM_153240	27	27	2	126	335	13933	70,37	100
chr3	132440564	132441230	NPHP3	NM_153240	27	27	1	393	328	15181	22,76	100
chr3	150645674	150646010	CLRN1	NM_174878	3	3	3	266	464	20861	61,9	100
chr3	150659331	150659531	CLRN1	NM_174878	3	3	2	180	310	13066	65	90,6
chr3	150690150	150690584	CLRN1	NM_174878	3	3	1	253	3327	159564	366,81	100
chr3	184033152	184033429	EIF4G1	NM_182917	32	31	1	382	287	13028	46,86	47,6
chr3	184033472	184033666	EIF4G1	NM_182917	32	31	2	60	110	4501	23,08	100
chr3	184033806	184033997	EIF4G1	NM_182917	32	31	3	87	421	18121	94,38	89,7
chr3	184035027	184035248	EIF4G1	NM_182917	32	31	4	177	477	19799	89,18	79,1
chr3	184035514	184035729	EIF4G1	NM_182917	32	31	5	100	232	10416	48,22	91
chr3	184037483	184037698	EIF4G1	NM_182917	32	31	6	113	153	6385	29,56	94,7
chr3	184038333	184038856	EIF4G1	NM_182917	32	31	7,8	93,67	978	46975	89,65	100,0,100.0
chr3	184039135	184039972	EIF4G1	NM_182917	32	31	9	822	3562	172628	206	92,1
chr3	184040127	184041367	EIF4G1	NM_182917	32	31	10,11,12,13,14	89.187.134.159.189	3405	165383	133,27	100,0,100,0,100,0,100,0,92.6

chr3	184041596	184041793	EIF4G1	NM_182917	32	31	15	198	536	23453	118,45	85,9
chr3	184042000	184042176	EIF4G1	NM_182917	32	31	16	147	287	12020	67,91	92,5
chr3	184042724	184043810	EIF4G1	NM_182917	32	31	17,18,19,20	237.105.160.101	3035	146795	135,05	75.5,100.0,100.0,100.0
chr3	184044190	184044405	EIF4G1	NM_182917	32	31	21	103	718	33108	153,28	88,3
chr3	184044556	184044753	EIF4G1	NM_182917	32	31	22	103	459	18818	95,04	82,5
chr3	184044901	184045771	EIF4G1	NM_182917	32	31	23,24,25	233.119.173	1300	59511	68,32	100.0,100.0,89.0
chr3	184046388	184046745	EIF4G1	NM_182917	32	31	26,27	126,82	897	39912	111,49	100.0,59.8
chr3	184048968	184049814	EIF4G1	NM_182917	32	31	28,29,30,31	99,135,82,141	2223	105683	124,77	100.0,100.0,100.0,57.4
chr3	184052543	184052743	EIF4G1	NM_182917	32	31	32	182	279	12734	63,35	84,6
chr3	193332520	193332889	OPA1	NM_015560	29	28	2	319	941	42263	114,22	97,5
chr3	193333416	193333610	OPA1	NM_015560	29	28	3	97	384	16515	84,69	100
chr3	193334929	193335105	OPA1	NM_015560	29	28	4	108	632	25281	142,83	100
chr3	193336576	193336755	OPA1	NM_015560	29	28	5	68	264	11142	61,9	100
chr3	193349336	193349518	OPA1	NM_015560	29	28	6	54	284	12710	69,45	100
chr3	193353197	193353391	OPA1	NM_015560	29	28	7	105	119	4831	24,77	100
chr3	193354986	193355171	OPA1	NM_015560	29	28	8	87	70	2746	14,76	97,7
chr3	193355745	193355969	OPA1	NM_015560	29	28	9	114	234	10176	45,23	96,5
chr3	193360546	193360850	OPA1	NM_015560	29	28	10,11	81,75	412	18134	59,46	100.0,100.0
chr3	193361115	193361410	OPA1	NM_015560	29	28	12,13	72,100	426	18759	63,38	100.0,94.0
chr3	193361746	193361970	OPA1	NM_015560	29	28	14	131	162	6921	30,76	100
chr3	193363310	193363602	OPA1	NM_015560	29	28	15,16	73,73	122	4934	16,84	100.0,100.0
chr3	193364847	193365041	OPA1	NM_015560	29	28	17	116	292	12480	64	100
chr3	193365745	193365954	OPA1	NM_015560	29	28	18	65	376	16257	77,41	100
chr3	193366470	193366661	OPA1	NM_015560	29	28	19	77	203	9274	48,3	100
chr3	193372636	193372827	OPA1	NM_015560	29	28	20	166	199	8508	44,31	100
chr3	193374859	193375029	OPA1	NM_015560	29	28	21	153	207	9047	52,91	100
chr3	193376659	193376859	OPA1	NM_015560	29	28	22	109	290	12808	63,72	100
chr3	193377222	193377410	OPA1	NM_015560	29	28	23	80	167	6958	36,81	100
chr3	193380607	193380810	OPA1	NM_015560	29	28	24	141	97	4040	19,8	100
chr3	193382629	193382832	OPA1	NM_015560	29	28	25	117	151	6909	33,87	100
chr3	193384043	193384219	OPA1	NM_015560	29	28	26	94	224	9165	51,78	100
chr3	193384900	193385168	OPA1	NM_015560	29	28	27	111	994	43253	160,79	100
chr3	193409845	193410054	OPA1	NM_015560	29	28	28	65	127	5481	26,1	100
chr4	619317	619816	PDE6B	NM_000283	22	22	1	468	594	27712	55,42	85,7
chr4	628438	628626	PDE6B	NM_000283	22	22	2	153	251	10707	56,65	100
chr4	629562	629738	PDE6B	NM_000283	22	22	3	90	522	20855	117,82	77,8
chr4	647616	648115	PDE6B	NM_000283	22	22	4,5	141,75	248	11373	22,75	100.0,100.0
chr4	648520	648708	PDE6B	NM_000283	22	22	6	65	546	23130	122,38	100
chr4	649700	649879	PDE6B	NM_000283	22	22	7	67	215	8704	48,36	100
chr4	649927	650112	PDE6B	NM_000283	22	22	8	48	371	15742	84,63	100
chr4	650652	650822	PDE6B	NM_000283	22	22	9	150	315	13334	77,98	100
chr4	651096	651281	PDE6B	NM_000283	22	22	10	144	149	6670	35,86	98,6
chr4	652619	652816	PDE6B	NM_000283	22	22	11	66	672	29498	148,98	100
chr4	654189	654398	PDE6B	NM_000283	22	22	12	147	229	8417	40,08	97,3
chr4	655933	656133	PDE6B	NM_000283	22	22	13	108	349	14610	72,69	90,7
chr4	656303	656506	PDE6B	NM_000283	22	22	14	110	279	12698	62,25	95,5
chr4	656790	657002	PDE6B	NM_000283	22	22	15	88	149	6808	31,96	100
chr4	657493	657663	PDE6B	NM_000283	22	22	16	101	350	15270	89,3	100
chr4	657841	658017	PDE6B	NM_000283	22	22	17	108	124	5261	29,72	100
chr4	658574	658774	PDE6B	NM_000283	22	22	18	64	120	5183	25,79	100
chr4	659046	659249	PDE6B	NM_000283	22	22	19	75	266	11753	57,61	97,3
chr4	660282	660479	PDE6B	NM_000283	22	22	20	84	73	3374	17,04	100
chr4	661625	661810	PDE6B	NM_000283	22	22	21	151	347	15022	80,76	100
chr4	663815	664012	PDE6B	NM_000283	22	22	22	62	446	19662	99,3	100

chr4	6279081	6279373	WFS1	NM_006005	8	7	2	232	148	6075	20,73	82,3
chr4	6288700	6288885	WFS1	NM_006005	8	7	3	83	495	19949	107,25	79,5
chr4	6290748	6290951	WFS1	NM_006005	8	7	4	145	30	1316	6,45	76,6
chr4	6292833	6293045	WFS1	NM_006005	8	7	5	171	413	16844	79,08	71,3
chr4	6293514	6293720	WFS1	NM_006005	8	7	6	81	26	991	4,79	95,1
chr4	6296697	6296879	WFS1	NM_006005	8	7	7	149	309	13719	74,97	75,2
chr4	6302407	6304281	WFS1	NM_006005	8	7	8	1812	5669	270586	144,31	98,7
chr4	13370088	13370208	RAB28	NM_001017979	7	7	7	93	204	7228	59,74	29
chr4	13378182	13378355	RAB28	NM_001017979	7	7	6	78	69	2611	15,01	83,3
chr4	13462260	13462460	RAB28	NM_001017979	7	7	4	130	431	17035	84,75	100
chr4	13475682	13475971	RAB28	NM_001017979	7	7	3	89	1000	47105	162,43	33,7
chr4	13480953	13481150	RAB28	NM_001017979	7	7	2	97	291	12155	61,39	100
chr4	13485658	13485935	RAB28	NM_001017979	7	7	1	75	36	1427	5,13	100
chr4	15477439	15477621	CC2D2A	NM_001080522	38	36	3	39	126	5207	28,45	100
chr4	15480222	15480422	CC2D2A	NM_001080522	38	36	4	84	213	8915	44,35	90,5
chr4	15482349	15482558	CC2D2A	NM_001080522	38	36	5	124	407	17479	83,23	83,1
chr4	15504019	15504240	CC2D2A	NM_001080522	38	36	6	89	159	7126	32,1	100
chr4	15504380	15504610	CC2D2A	NM_001080522	38	36	7	102	344	13504	58,46	100
chr4	15511670	15511882	CC2D2A	NM_001080522	38	36	8	102	201	8065	37,86	100
chr4	15512820	15513079	CC2D2A	NM_001080522	38	36	9	177	474	20953	80,59	100
chr4	15516295	15516519	CC2D2A	NM_001080522	38	36	10	163	380	16170	71,87	100
chr4	15517410	15517583	CC2D2A	NM_001080522	38	36	11	137	89	3671	21,1	67,9
chr4	15518198	15518422	CC2D2A	NM_001080522	38	36	12	132	370	16238	72,17	100
chr4	15529125	15529334	CC2D2A	NM_001080522	38	36	13	210	233	10422	49,63	73,8
chr4	15530198	15530380	CC2D2A	NM_001080522	38	36	14	107	372	16629	90,87	100
chr4	15534800	15534970	CC2D2A	NM_001080522	38	36	15	141	60	2486	14,54	100
chr4	15538520	15538708	CC2D2A	NM_001080522	38	36	16	157	35	1542	8,16	100
chr4	15539440	15539720	CC2D2A	NM_001080522	38	36	17	239	139	6547	23,3	83,3
chr4	15542385	15542600	CC2D2A	NM_001080522	38	36	18	178	264	10969	50,78	79,2
chr4	15552448	15552663	CC2D2A	NM_001080522	38	36	19	157	284	12307	56,98	99,4
chr4	15554829	15555014	CC2D2A	NM_001080522	38	36	20	148	235	10499	56,45	67,6
chr4	15556594	15556797	CC2D2A	NM_001080522	38	36	21	139	204	8434	41,34	74,1
chr4	15558949	15559149	CC2D2A	NM_001080522	38	36	22	204	257	11225	55,85	89,2
chr4	15560760	15560975	CC2D2A	NM_001080522	38	36	23	93	326	15011	69,5	100
chr4	15562039	15562248	CC2D2A	NM_001080522	38	36	24	92	84	3505	16,69	100
chr4	15564901	15565089	CC2D2A	NM_001080522	38	36	25	168	385	15690	83,02	66,7
chr4	15568898	15569083	CC2D2A	NM_001080522	38	36	26	106	272	12304	66,15	79,2
chr4	15569254	15569445	CC2D2A	NM_001080522	38	36	27	110	330	14620	76,15	100
chr4	15570824	15571027	CC2D2A	NM_001080522	38	36	28	97	458	20101	98,53	100
chr4	15571930	15572136	CC2D2A	NM_001080522	38	36	29	99	251	10596	51,19	100
chr4	15575784	15576002	CC2D2A	NM_001080522	38	36	30	177	328	14364	65,59	93,8
chr4	15581667	15581840	CC2D2A	NM_001080522	38	36	31	204	885	37326	214,52	62,7
chr4	15587712	15587927	CC2D2A	NM_001080522	38	36	32	90	566	26252	121,54	100
chr4	15589416	15589640	CC2D2A	NM_001080522	38	36	33	114	411	17738	78,84	100
chr4	15591104	15591295	CC2D2A	NM_001080522	38	36	34	135	466	19956	103,94	94,8
chr4	15597596	15597823	CC2D2A	NM_001080522	38	36	35	123	891	35877	157,36	94,3
chr4	15598982	15599182	CC2D2A	NM_001080522	38	36	36	59	365	14831	73,79	100
chr4	15601158	15601379	CC2D2A	NM_001080522	38	36	37	178	292	12756	57,46	96,6
chr4	15602794	15603133	CC2D2A	NM_001080522	38	36	38	189	524	25189	74,09	100
chr4	15972660	15972845	PROM1	NM_006017	27	26	26	16	209	8213	44,16	100
chr4	15980894	15981082	PROM1	NM_006017	27	26	25	69	544	24108	127,56	94,2
chr4	15981481	15981690	PROM1	NM_006017	27	26	24	24	278	11426	54,41	100
chr4	15981933	15982154	PROM1	NM_006017	27	26	23	116	653	31021	139,73	94,8
chr4	15985828	15986025	PROM1	NM_006017	27	26	22	93	425	17590	88,84	100

chr4	15987441	15987709	PROM1	NM_006017	27	26	21,20	69,81	70	3031	11,27	15.9,100.0
chr4	15989227	15989409	PROM1	NM_006017	27	26	19	54	893	39238	214,42	100
chr4	15991285	15991461	PROM1	NM_006017	27	26	18	93	340	14548	82,19	100
chr4	15992705	15992920	PROM1	NM_006017	27	26	17	72	582	25510	118,1	100
chr4	15993854	15994030	PROM1	NM_006017	27	26	16	144	255	10309	58,24	100
chr4	15995548	15995736	PROM1	NM_006017	27	26	15	85	684	29058	153,75	100
chr4	16000001	16000174	PROM1	NM_006017	27	26	14	104	183	7587	43,6	100
chr4	16002059	16002247	PROM1	NM_006017	27	26	13	124	498	21754	115,1	100
chr4	16008154	16008372	PROM1	NM_006017	27	26	12	153	181	7908	36,11	100
chr4	16010488	16010679	PROM1	NM_006017	27	26	11	160	163	6929	36,09	67,5
chr4	16014799	16014996	PROM1	NM_006017	27	26	10	64	493	21270	107,42	100
chr4	16017737	16017913	PROM1	NM_006017	27	26	9	75	137	5610	31,69	100
chr4	16019984	16020178	PROM1	NM_006017	27	26	8	218	340	14424	73,97	82,6
chr4	16024860	16025063	PROM1	NM_006017	27	26	7	90	643	28581	140,1	100
chr4	16025906	16026121	PROM1	NM_006017	27	26	6	64	338	14955	69,24	100
chr4	16026753	16026929	PROM1	NM_006017	27	26	5	121	607	24829	140,28	95
chr4	16034866	16035054	PROM1	NM_006017	27	26	4	206	610	26409	139,73	62,1
chr4	16037267	16037473	PROM1	NM_006017	27	26	3	27	340	14750	71,26	100
chr4	16040508	16040687	PROM1	NM_006017	27	26	2	56	105	4271	23,73	100
chr4	16077230	16077670	PROM1	NM_006017	27	26	1	220	1096	52370	118,75	100
chr4	22389230	22390873	GPR125	NM_145290	19	19	19,18	1243,96	4158	200448	121,93	100.0,100.0
chr4	22394143	22394331	GPR125	NM_145290	19	19	17	146	293	12431	65,77	100
chr4	22402994	22403191	GPR125	NM_145290	19	19	16	124	320	14951	75,51	100
chr4	22404259	22404450	GPR125	NM_145290	19	19	15	125	63	2737	14,26	100
chr4	22414841	22415053	GPR125	NM_145290	19	19	14	209	762	31956	150,03	82,8
chr4	22415200	22415400	GPR125	NM_145290	19	19	13	214	681	29242	145,48	82,7
chr4	22422402	22422652	GPR125	NM_145290	19	19	12	204	2283	96929	386,17	70,6
chr4	22425854	22426066	GPR125	NM_145290	19	19	11	162	1076	48810	229,15	75,3
chr4	22436986	22437174	GPR125	NM_145290	19	19	10	156	58	2198	11,63	66,7
chr4	22438218	22438338	GPR125	NM_145290	19	19	9	202	64	2558	21,14	23,3
chr4	22439935	22440126	GPR125	NM_145290	19	19	8	165	156	7289	37,96	66,1
chr4	22444434	22444554	GPR125	NM_145290	19	19	7	214	90	3237	26,75	24,8
chr4	22446650	22446847	GPR125	NM_145290	19	19	6	161	443	20757	104,83	66,5
chr4	22449064	22449243	GPR125	NM_145290	19	19	5	72	111	4456	24,76	98,6
chr4	22456499	22456681	GPR125	NM_145290	19	19	4	72	241	9788	53,49	86,1
chr4	22463370	22463570	GPR125	NM_145290	19	19	3	72	104	4501	22,39	86,1
chr4	22475405	22475596	GPR125	NM_145290	19	19	2	72	113	5200	27,08	86,1
chr4	22517197	22517317	GPR125	NM_145290	19	19	1	257	0	0	0	47,1
chr4	22517387	22517507	GPR125	NM_145290	19	19	1	257	0	0	0	8,2
chr4	36285530	36286195	DTHD1	NM_001170700	9	9	1	512	614	28367	42,59	96,5
chr4	36291961	36292318	DTHD1	NM_001170700	9	9	2	331	1588	74166	207,17	97,9
chr4	36295143	36295343	DTHD1	NM_001170700	9	9	3	180	426	18642	92,75	100
chr4	36296395	36296675	DTHD1	NM_001170700	9	9	4	245	1082	49524	176,24	100
chr4	36307790	36308005	DTHD1	NM_001170700	9	9	5	162	269	11183	51,77	100
chr4	36309872	36310131	DTHD1	NM_001170700	9	9	6	290	375	16721	64,31	84,1
chr4	36317788	36318050	DTHD1	NM_001170700	9	9	7	245	668	30482	115,9	76,3
chr4	36340677	36340847	DTHD1	NM_001170700	9	9	8	58	767	31434	183,82	100
chr4	36345078	36345515	DTHD1	NM_001170700	9	9	9	323	1781	82888	189,24	100
chr4	39184078	39184263	WDR19	NM_025132	37	36	1	6	257	10911	58,66	100
chr4	39187327	39187512	WDR19	NM_025132	37	36	2	92	195	9373	50,39	100
chr4	39188151	39188342	WDR19	NM_025132	37	36	3	66	119	5080	26,46	100
chr4	39191247	39191423	WDR19	NM_025132	37	36	4	126	508	20888	118,01	100
chr4	39196160	39196354	WDR19	NM_025132	37	36	5	116	271	11617	59,57	100
chr4	39201094	39201279	WDR19	NM_025132	37	36	6	116	185	8090	43,49	100

chr4	39205216	39205398	WDR19	NM_025132	37	36	7	81	562	23720	129,62	100
chr4	39206759	39206944	WDR19	NM_025132	37	36	8	113	683	29429	158,22	100
chr4	39207178	39207357	WDR19	NM_025132	37	36	9	174	215	9624	53,47	100
chr4	39216200	39216388	WDR19	NM_025132	37	36	10	71	154	7053	37,32	100
chr4	39217495	39217852	WDR19	NM_025132	37	36	11,12	173.115	980	42071	117,52	80.3,100.0
chr4	39218745	39218924	WDR19	NM_025132	37	36	13	107	415	17065	94,81	100
chr4	39219543	39219808	WDR19	NM_025132	37	36	14	123	552	25691	96,58	100
chr4	39226493	39226663	WDR19	NM_025132	37	36	15	150	49	2296	13,43	100
chr4	39229740	39230254	WDR19	NM_025132	37	36	16,17	148.205	2087	92198	179,03	100.0,72.7
chr4	39233384	39233596	WDR19	NM_025132	37	36	18	160	312	14074	66,08	100
chr4	39233748	39233936	WDR19	NM_025132	37	36	19	111	565	24644	130,39	100
chr4	39236325	39236510	WDR19	NM_025132	37	36	20	110	398	17126	92,08	100
chr4	39241891	39242097	WDR19	NM_025132	37	36	21	58	263	11459	55,36	100
chr4	39245797	39246184	WDR19	NM_025132	37	36	22,23	141,83	510	24498	63,14	100.0,100.0
chr4	39246885	39247109	WDR19	NM_025132	37	36	24	84	168	7559	33,6	100
chr4	39254771	39254974	WDR19	NM_025132	37	36	25	147	291	12827	62,88	96,6
chr4	39255490	39255672	WDR19	NM_025132	37	36	26	125	310	13341	72,9	100
chr4	39257450	39257653	WDR19	NM_025132	37	36	27	113	601	24930	122,21	100
chr4	39259018	39259209	WDR19	NM_025132	37	36	28	69	116	5023	26,16	100
chr4	39267639	39267866	WDR19	NM_025132	37	36	29	78	477	19576	85,86	100
chr4	39269514	39269693	WDR19	NM_025132	37	36	30	97	671	28042	155,79	81,4
chr4	39271494	39271685	WDR19	NM_025132	37	36	31	125	665	28560	148,75	72
chr4	39274480	39274668	WDR19	NM_025132	37	36	32	82	309	13828	73,16	84,1
chr4	39276479	39276661	WDR19	NM_025132	37	36	33	151	248	10402	56,84	66,2
chr4	39278595	39278798	WDR19	NM_025132	37	36	34	124	658	28797	141,16	100
chr4	39279712	39279927	WDR19	NM_025132	37	36	35	77	1031	42715	197,75	100
chr4	39280060	39280245	WDR19	NM_025132	37	36	36	112	752	32559	175,05	77,7
chr4	47938333	47939896	CNGA1	NM_001142564	10	9	10	1409	4935	238225	152,32	100
chr4	47942777	47943001	CNGA1	NM_001142564	10	9	9	107	24	1110	4,93	100
chr4	47944047	47944247	CNGA1	NM_001142564	10	9	8	108	291	13602	67,67	100
chr4	47945127	47945389	CNGA1	NM_001142564	10	9	7,6	108,42	490	19757	75,12	100.0,4.8
chr4	47951825	47952013	CNGA1	NM_001142564	10	9	5	63	269	10424	55,15	100
chr4	47953282	47953500	CNGA1	NM_001142564	10	9	4	117	307	13158	60,08	100
chr4	47954519	47954778	CNGA1	NM_001142564	10	9	3	121	397	18630	71,65	100
chr4	100485048	100485476	MTTP	NM_000253	19	18	1	155	626	27641	64,43	100
chr4	100495897	100496118	MTTP	NM_000253	19	18	2	61	751	32888	148,14	85,2
chr4	100503127	100503312	MTTP	NM_000253	19	18	3	188	596	25149	135,21	65,4
chr4	100504462	100504813	MTTP	NM_000253	19	18	4	144	412	19362	55,01	100
chr4	100510741	100510947	MTTP	NM_000253	19	18	5	108	193	7752	37,45	100
chr4	100512349	100512543	MTTP	NM_000253	19	18	6	117	404	17322	88,83	100
chr4	100512762	100512932	MTTP	NM_000253	19	18	7	140	193	7584	44,35	89,3
chr4	100515855	100516076	MTTP	NM_000253	19	18	8	151	390	16942	76,32	100
chr4	100518268	100518477	MTTP	NM_000253	19	18	9	158	276	11410	54,33	72,2
chr4	100521690	100521911	MTTP	NM_000253	19	18	10	169	227	9457	42,6	100
chr4	100522747	100522944	MTTP	NM_000253	19	18	11	108	779	31819	160,7	100
chr4	100527838	100528038	MTTP	NM_000253	19	18	12	213	207	9157	45,56	62,9
chr4	100529928	100530122	MTTP	NM_000253	19	18	13	212	566	24595	126,13	92
chr4	100532301	100532673	MTTP	NM_000253	19	18	14,15	98.122	2091	94239	252,65	99.0,100.0
chr4	100534115	100534377	MTTP	NM_000253	19	18	16	228	2028	90694	344,84	80,3
chr4	100540104	100540277	MTTP	NM_000253	19	18	17	125	158	6455	37,1	100
chr4	100542187	100542399	MTTP	NM_000253	19	18	18	171	353	15048	70,65	100
chr4	100543775	100544117	MTTP	NM_000253	19	18	19	172	1945	94129	274,43	100
chr4	110772593	110773220	LRIT3	NM_198506	4	4	2	473	2322	111521	177,58	100
chr4	110788748	110789111	LRIT3	NM_198506	4	4	3	306	1632	70469	193,6	100

chr4	110790857	110792023	LRIT3	NM_198506	4	4	4	1145	3033	145892	125,01	95,1
chr4	122746914	122747179	BBS7	NM_176824	19	19	19	134	436	19612	73,73	100
chr4	122749177	122749940	BBS7	NM_176824	19	19	18,17,16	124.104.110	1478	72260	94,58	100.0,100.0,100.0
chr4	122754394	122754612	BBS7	NM_176824	19	19	15	165	297	12399	56,62	95,2
chr4	122756268	122756474	BBS7	NM_176824	19	19	14	140	390	17177	82,98	100
chr4	122760727	122760915	BBS7	NM_176824	19	19	13	66	293	12826	67,86	100
chr4	122764994	122765194	BBS7	NM_176824	19	19	12	75	35	1559	7,76	100
chr4	122766681	122766869	BBS7	NM_176824	19	19	11	193	508	20691	109,48	88,6
chr4	122768545	122768748	BBS7	NM_176824	19	19	10	103	523	24656	120,86	100
chr4	122769955	122770131	BBS7	NM_176824	19	19	9	85	504	20435	115,45	100
chr4	122774090	122774275	BBS7	NM_176824	19	19	8	131	1360	57442	308,83	100
chr4	122775822	122776004	BBS7	NM_176824	19	19	7	117	699	29401	160,66	100
chr4	122776582	122776776	BBS7	NM_176824	19	19	6	73	214	9177	47,06	100
chr4	122780115	122780324	BBS7	NM_176824	19	19	5	187	645	28559	136	95,2
chr4	122782624	122782892	BBS7	NM_176824	19	19	4	176	385	16274	60,5	100
chr4	122784317	122784490	BBS7	NM_176824	19	19	3	63	491	21065	121,06	100
chr4	122789047	122789232	BBS7	NM_176824	19	19	2	66	420	16812	90,39	100
chr4	122791353	122791606	BBS7	NM_176824	19	19	1	36	207	8402	33,08	100
chr4	123663021	123665215	BBS12	NM_001178007	3	1	3	2133	5723	278135	126,71	100
chr4	155665433	155666033	LRAT	NM_004744	3	2	2	540	3471	163944	272,79	100
chr4	155670087	155670355	LRAT	NM_004744	3	2	3	153	1008	46059	171,22	100
chr4	187112905	187113567	CYP4V2	NM_207352	11	11	1	214	1839	89155	134,47	100
chr4	187115594	187115824	CYP4V2	NM_207352	11	11	2	113	198	8827	38,21	100
chr4	187117174	187117365	CYP4V2	NM_207352	11	11	3	86	542	23538	122,59	80,2
chr4	187118148	187118360	CYP4V2	NM_207352	11	11	4	191	337	13514	63,45	71,7
chr4	187118588	187118776	CYP4V2	NM_207352	11	11	5	70	303	13112	69,38	100
chr4	187120004	187120219	CYP4V2	NM_207352	11	11	6	127	254	10630	49,21	85,8
chr4	187122345	187122518	CYP4V2	NM_207352	11	11	7	186	362	15074	86,63	81,7
chr4	187126322	187126537	CYP4V2	NM_207352	11	11	8	103	203	8775	40,63	100
chr4	187129942	187130370	CYP4V2	NM_207352	11	11	9,10	135.180	1193	52689	122,82	100.0,68.9
chr4	187131535	187131922	CYP4V2	NM_207352	11	11	11	173	849	39297	101,28	100
chr5	82779277	82779474	VCAN	NM_004385	15	14	2	70	430	18035	91,09	100
chr5	82785863	82786208	VCAN	NM_004385	15	14	3	375	679	30951	89,45	77,9
chr5	82789340	82789780	VCAN	NM_004385	15	14	4,5	175.128	1171	54012	122,48	100.0,100.0
chr5	82807874	82808335	VCAN	NM_004385	15	14	6	294	303	13665	29,58	100
chr5	82815126	82818132	VCAN	NM_004385	15	14	7	2961	9388	462386	153,77	100
chr5	82832718	82838130	VCAN	NM_004385	15	14	8	5262	18477	898520	165,99	100
chr5	82841255	82841449	VCAN	NM_004385	15	14	9	114	744	31909	163,64	82,5
chr5	82843755	82843940	VCAN	NM_004385	15	14	10	114	248	11372	61,14	100
chr5	82849233	82849418	VCAN	NM_004385	15	14	11	159	275	11805	63,47	68,6
chr5	82850715	82850903	VCAN	NM_004385	15	14	12	83	461	19862	105,09	100
chr5	82868191	82868412	VCAN	NM_004385	15	14	13	145	192	8283	37,31	100
chr5	82875764	82876305	VCAN	NM_004385	15	14	14,15	183.128	1929	90388	166,77	100.0,100.0
chr5	89910694	89910903	GPR98	NM_032119	90	90	2	185	24	989	4,71	77,3
chr5	89913595	89913792	GPR98	NM_032119	90	90	3	150	434	19893	100,47	100
chr5	89914859	89915035	GPR98	NM_032119	90	90	4	96	53	2447	13,82	100
chr5	89918293	89918517	GPR98	NM_032119	90	90	5	105	338	14655	65,13	99
chr5	89920891	89921097	GPR98	NM_032119	90	90	6	114	455	19863	95,96	100
chr5	89922977	89923565	GPR98	NM_032119	90	90	7	566	1367	64529	109,56	95,1
chr5	89924351	89924616	GPR98	NM_032119	90	90	8	271	3855	178361	670,53	87,8
chr5	89925014	89925368	GPR98	NM_032119	90	90	9	330	799	34971	98,51	100
chr5	89930936	89931148	GPR98	NM_032119	90	90	10	177	422	18332	86,07	97,2
chr5	89933510	89933778	GPR98	NM_032119	90	90	11	224	562	24373	90,61	100
chr5	89938372	89938824	GPR98	NM_032119	90	90	12,13	127.186	880	40399	89,18	100.0,81.7

chr5	89939558	89939764	GPR98	NM_032119	90	90	14	181	384	17206	83,12	80,1
chr5	89940507	89940689	GPR98	NM_032119	90	90	15	164	296	12356	67,52	100
chr5	89941749	89941940	GPR98	NM_032119	90	90	16	124	152	6713	34,96	100
chr5	89943262	89943551	GPR98	NM_032119	90	90	17	267	531	24253	83,63	88,8
chr5	89947416	89947598	GPR98	NM_032119	90	90	18	127	134	5753	31,44	100
chr5	89948141	89948341	GPR98	NM_032119	90	90	19	218	219	9314	46,34	82,1
chr5	89948963	89949886	GPR98	NM_032119	90	90	20	744	1680	81096	87,77	100
chr5	89953665	89954013	GPR98	NM_032119	90	90	21	374	702	31019	88,88	78,1
chr5	89968386	89968574	GPR98	NM_032119	90	90	22	177	348	14311	75,72	87
chr5	89969878	89970105	GPR98	NM_032119	90	90	23	181	738	31107	136,43	96,1
chr5	89971132	89971320	GPR98	NM_032119	90	90	24	203	335	13605	71,98	64,5
chr5	89971918	89972118	GPR98	NM_032119	90	90	25	130	87	3946	19,63	83,8
chr5	89975272	89975487	GPR98	NM_032119	90	90	26	81	635	28772	133,2	100
chr5	89977086	89977307	GPR98	NM_032119	90	90	27	140	438	19223	86,59	100
chr5	89979392	89980007	GPR98	NM_032119	90	90	28	610	1337	62819	101,98	99,2
chr5	89981532	89981741	GPR98	NM_032119	90	90	29	216	480	20545	97,83	67,1
chr5	89985748	89985942	GPR98	NM_032119	90	90	30	216	80	3653	18,73	67,6
chr5	89986532	89986919	GPR98	NM_032119	90	90	31	245	1810	83307	214,71	100
chr5	89988427	89988603	GPR98	NM_032119	90	90	32	182	688	29309	165,59	97,3
chr5	89989647	89990517	GPR98	NM_032119	90	90	33	812	1735	82801	95,06	99,9
chr5	89992773	89992994	GPR98	NM_032119	90	90	34	210	209	9373	42,22	91
chr5	89999515	89999703	GPR98	NM_032119	90	90	35	131	345	13767	72,84	74,8
chr5	90000140	90000316	GPR98	NM_032119	90	90	36	100	470	20006	113,03	100
chr5	90001239	90001433	GPR98	NM_032119	90	90	37	180	476	20915	107,26	87,8
chr5	90002020	90002226	GPR98	NM_032119	90	90	38	164	480	21545	104,08	100
chr5	90004618	90004803	GPR98	NM_032119	90	90	39	94	721	29323	157,65	100
chr5	90006770	90007112	GPR98	NM_032119	90	90	40,41	79.139	236	10835	31,59	100,0,80.6
chr5	90008113	90008310	GPR98	NM_032119	90	90	42	142	87	3255	16,44	93,7
chr5	90012259	90012521	GPR98	NM_032119	90	90	43	263	621	27157	103,26	90,5
chr5	90015846	90016067	GPR98	NM_032119	90	90	44	176	324	13039	58,73	100
chr5	90016713	90016901	GPR98	NM_032119	90	90	45	125	998	43860	232,06	100
chr5	90020607	90021050	GPR98	NM_032119	90	90	46,47	158.147	243	10948	24,66	100,0,100.0
chr5	90021268	90021462	GPR98	NM_032119	90	90	48	108	494	22806	116,95	89,8
chr5	90024432	90024742	GPR98	NM_032119	90	90	49	265	530	24230	77,91	97
chr5	90025449	90025649	GPR98	NM_032119	90	90	50	123	642	27120	134,93	100
chr5	90040814	90041067	GPR98	NM_032119	90	90	51	220	1323	59997	236,21	93,2
chr5	90041424	90041636	GPR98	NM_032119	90	90	52	205	317	14242	66,86	92,2
chr5	90046313	90046504	GPR98	NM_032119	90	90	53	147	500	21914	114,14	93,2
chr5	90049387	90049673	GPR98	NM_032119	90	90	54	256	473	21613	75,31	100
chr5	90050740	90050928	GPR98	NM_032119	90	90	55	203	395	17143	90,7	63,5
chr5	90052327	90052530	GPR98	NM_032119	90	90	56	177	252	10813	53	68,4
chr5	90052741	90052965	GPR98	NM_032119	90	90	57	183	211	9146	40,65	92,9
chr5	90055167	90055497	GPR98	NM_032119	90	90	58	180	994	45654	137,93	100
chr5	90059088	90059318	GPR98	NM_032119	90	90	59	165	321	14644	63,39	100
chr5	90069925	90070134	GPR98	NM_032119	90	90	60	118	234	10518	50,09	100
chr5	90072225	90072446	GPR98	NM_032119	90	90	61	124	249	10649	47,97	100
chr5	90073651	90073872	GPR98	NM_032119	90	90	62	139	134	5959	26,84	100
chr5	90074180	90074365	GPR98	NM_032119	90	90	63	183	376	16402	88,18	66,7
chr5	90074642	90074943	GPR98	NM_032119	90	90	64	233	230	9885	32,73	100
chr5	90077091	90077469	GPR98	NM_032119	90	90	65	149	685	29958	79,04	100
chr5	90078911	90079120	GPR98	NM_032119	90	90	66	202	126	5491	26,15	89,1
chr5	90079693	90079958	GPR98	NM_032119	90	90	67	220	641	29300	110,15	82,7
chr5	90083831	90084108	GPR98	NM_032119	90	90	68	240	526	23708	85,28	92,1
chr5	90085493	90085693	GPR98	NM_032119	90	90	69	150	48	2108	10,49	100

chr5	90086720	90087246	GPR98	NM_032119	90	90	70	474	1127	52921	100,42	93,7
chr5	90098455	90098658	GPR98	NM_032119	90	90	71	144	817	36601	179,42	71,5
chr5	90101054	90101254	GPR98	NM_032119	90	90	72	175	401	17375	86,44	88
chr5	90103335	90103514	GPR98	NM_032119	90	90	73	136	68	2885	16,03	70,6
chr5	90106064	90107197	GPR98	NM_032119	90	90	74	1106	4832	235509	207,68	98,7
chr5	90111385	90111600	GPR98	NM_032119	90	90	75	118	210	8741	40,47	100
chr5	90119269	90119451	GPR98	NM_032119	90	90	76	172	486	20159	110,16	84,3
chr5	90124786	90125048	GPR98	NM_032119	90	90	77	243	380	16071	61,11	89,7
chr5	90136378	90136809	GPR98	NM_032119	90	90	78	408	775	34347	79,51	100
chr5	90144445	90144660	GPR98	NM_032119	90	90	79	185	255	10966	50,77	100
chr5	90149091	90149353	GPR98	NM_032119	90	90	80	250	502	22620	86,01	100
chr5	90149872	90150075	GPR98	NM_032119	90	90	81	140	209	9314	45,66	100
chr5	90151498	90151713	GPR98	NM_032119	90	90	82	161	516	21807	100,96	96,9
chr5	90159538	90159768	GPR98	NM_032119	90	90	83	101	336	15651	67,75	100
chr5	90261177	90261395	GPR98	NM_032119	90	90	84	117	243	10448	47,71	100
chr5	90281119	90281331	GPR98	NM_032119	90	90	85	179	541	22834	107,2	95,5
chr5	90368230	90368454	GPR98	NM_032119	90	90	86	158	140	6430	28,58	100
chr5	90398026	90398217	GPR98	NM_032119	90	90	87	122	413	19105	99,51	100
chr5	90445833	90446030	GPR98	NM_032119	90	90	88	192	561	24374	123,1	95,8
chr5	90449092	90449271	GPR98	NM_032119	90	90	89	178	299	12618	70,1	69,7
chr5	90459529	90459824	GPR98	NM_032119	90	90	90	119	1349	59457	200,87	100
chr5	140053734	140053943	HARS	NM_002109	13	13	13	72	432	18297	87,13	100
chr5	140054278	140054466	HARS	NM_002109	13	13	12	147	1648	71777	379,77	90,5
chr5	140054487	140054708	HARS	NM_002109	13	13	11	117	711	28733	129,43	91,5
chr5	140056227	140056765	HARS	NM_002109	13	13	10,9	243.128	1849	83297	154,54	100.0,100.0
chr5	140056798	140057010	HARS	NM_002109	13	13	8	94	1131	48909	229,62	100
chr5	140057203	140057581	HARS	NM_002109	13	13	7,6	99.108	1499	72905	192,36	100.0,82.4
chr5	140058618	140058797	HARS	NM_002109	13	13	5	126	250	10430	57,94	75,4
chr5	140059278	140059505	HARS	NM_002109	13	13	4	96	497	22271	97,68	100
chr5	140062593	140062772	HARS	NM_002109	13	13	3	120	1106	49772	276,51	73,3
chr5	140070333	140070512	HARS	NM_002109	13	13	2	90	794	32315	179,53	81,1
chr5	140070840	140071058	HARS	NM_002109	13	13	1	90	190	7420	33,88	55,6
chr5	149240312	149240512	PDE6A	NM_000440	22	22	22	77	437	18571	92,39	71,4
chr5	149242664	149242846	PDE6A	NM_000440	22	22	21	148	1973	81455	445,11	100
chr5	149245746	149245931	PDE6A	NM_000440	22	22	20	84	272	11307	60,79	84,5
chr5	149247152	149247370	PDE6A	NM_000440	22	22	19	75	836	36570	166,99	100
chr5	149247664	149247849	PDE6A	NM_000440	22	22	18	64	1489	58807	316,17	90,6
chr5	149263020	149263199	PDE6A	NM_000440	22	22	17	108	427	17447	96,93	74,1
chr5	149263994	149264191	PDE6A	NM_000440	22	22	16	101	156	7043	35,57	100
chr5	149264358	149264546	PDE6A	NM_000440	22	22	15	88	419	17420	92,17	83
chr5	149265857	149266042	PDE6A	NM_000440	22	22	14	110	477	21509	115,64	73,6
chr5	149274756	149274974	PDE6A	NM_000440	22	22	13	108	361	16056	73,32	90,7
chr5	149275900	149276091	PDE6A	NM_000440	22	22	12	147	527	22972	119,65	100
chr5	149276266	149276472	PDE6A	NM_000440	22	22	11	66	668	25691	124,11	100
chr5	149277972	149278157	PDE6A	NM_000440	22	22	10	144	121	5236	28,15	68,1
chr5	149278942	149279130	PDE6A	NM_000440	22	22	9	150	1421	62846	332,52	97,3
chr5	149283119	149283298	PDE6A	NM_000440	22	22	8	48	209	8414	46,74	100
chr5	149286747	149286932	PDE6A	NM_000440	22	22	7	67	834	37986	204,23	86,6
chr5	149294422	149294592	PDE6A	NM_000440	22	22	6	65	68	3063	17,91	100
chr5	149301119	149301331	PDE6A	NM_000440	22	22	5	75	108	4949	23,23	100
chr5	149310548	149310775	PDE6A	NM_000440	22	22	4	141	484	20710	90,83	100
chr5	149313506	149313700	PDE6A	NM_000440	22	22	3	90	171	7130	36,56	85,6
chr5	149314092	149314301	PDE6A	NM_000440	22	22	2	153	500	21700	103,33	100
chr5	149323830	149324353	PDE6A	NM_000440	22	22	1	474	1662	75349	143,8	85,9

chr5	178408668	178408859	GRM6	NM_000843	10	10	10	198	640	27723	144,39	94,9
chr5	178409966	178410833	GRM6	NM_000843	10	10	9	312	1905	89573	103,19	82,4
chr5	178413212	178414034	GRM6	NM_000843	10	10	8,7	624.146	1384	65873	80,04	87.0,100.0
chr5	178415964	178416487	GRM6	NM_000843	10	10	6,5	201.141	566	26151	49,91	86.1,100.0
chr5	178417507	178417707	GRM6	NM_000843	10	10	4	155	80	3506	17,44	74,2
chr5	178418379	178419382	GRM6	NM_000843	10	10	3,2	136.217	2528	120307	119,83	100.0,100.0
chr5	178421365	178421915	GRM6	NM_000843	10	10	1	504	9	404	0,73	94
chr6	10764566	10764793	MAK	NM_005906	14	13	14	155	296	13094	57,43	70,3
chr6	10770260	10770472	MAK	NM_005906	14	13	13	120	475	19938	93,61	100
chr6	10775475	10775654	MAK	NM_005906	14	13	12	132	410	17366	96,48	71,2
chr6	10784564	10784767	MAK	NM_005906	14	13	11	149	845	37623	184,43	74,5
chr6	10791911	10792126	MAK	NM_005906	14	13	10	173	148	6328	29,3	98,3
chr6	10796275	10796629	MAK	NM_005906	14	13	9	312	447	20889	58,84	85,9
chr6	10802075	10802275	MAK	NM_005906	14	13	8	168	495	20999	104,47	89,9
chr6	10803935	10804135	MAK	NM_005906	14	13	7	172	385	16894	84,05	100
chr6	10808945	10809160	MAK	NM_005906	14	13	6	133	355	15189	70,32	88,7
chr6	10813885	10814091	MAK	NM_005906	14	13	5	80	668	28429	137,34	90
chr6	10817986	10818168	MAK	NM_005906	14	13	4	122	105	3801	20,77	70,5
chr6	10819030	10819242	MAK	NM_005906	14	13	3	55	324	14547	68,3	100
chr6	10830824	10831015	MAK	NM_005906	14	13	2	101	617	26248	136,71	57,4
chr6	33131353	33131547	COL11A2	NM_080680	66	66	66	141	70	2811	14,42	66
chr6	33131986	33132171	COL11A2	NM_080680	66	66	65	207	540	23844	128,19	61,8
chr6	33132638	33132853	COL11A2	NM_080680	66	66	64	113	752	31678	146,66	92
chr6	33133392	33134005	COL11A2	NM_080680	66	66	63,62,61	268,54,36	1169	54019	87,98	75.4,100.0,100.0
chr6	33134191	33134566	COL11A2	NM_080680	66	66	60,59	54.108	2776	127971	340,35	100.0,64.8
chr6	33134749	33135281	COL11A2	NM_080680	66	66	58,57,56	54,54,108	595	26476	49,67	100.0,100.0,73.1
chr6	33135541	33135744	COL11A2	NM_080680	66	66	55	54	143	5809	28,48	100
chr6	33136272	33136549	COL11A2	NM_080680	66	66	54,53	54,54	202	9098	32,73	100.0,100.0
chr6	33136697	33136882	COL11A2	NM_080680	66	66	52	54	134	5403	29,05	100
chr6	33137062	33137247	COL11A2	NM_080680	66	66	51	108	386	16022	86,14	81,5
chr6	33137662	33137957	COL11A2	NM_080680	66	66	49	54	1119	52787	178,33	100
chr6	33138029	33138309	COL11A2	NM_080680	66	66	48	54	165	6950	24,73	100
chr6	33138609	33138800	COL11A2	NM_080680	66	66	46	108	93	4084	21,27	79,6
chr6	33138908	33139668	COL11A2	NM_080680	66	66	45,44,43,42	54,54,108,108	1354	64176	84,33	68.5,100.0,100.0,100.0
chr6	33139795	33139983	COL11A2	NM_080680	66	66	41	54	362	16319	86,34	100
chr6	33140095	33140437	COL11A2	NM_080680	66	66	40,39	90.108	664	29549	86,15	67.8,100.0
chr6	33140802	33140993	COL11A2	NM_080680	66	66	38	54	120	5079	26,45	100
chr6	33141126	33142052	COL11A2	NM_080680	66	66	37,36,35,34,33,32	54,54,45,54,45,54	1800	86082	92,86	98.1,100.0,100.0,100.0,100.0,100.0
chr6	33142158	33142355	COL11A2	NM_080680	66	66	31	54	89	3664	18,51	96,3
chr6	33143184	33143408	COL11A2	NM_080680	66	66	30	108	487	22291	99,07	53,7
chr6	33143794	33144214	COL11A2	NM_080680	66	66	29,28,27	54,45,54	1059	49012	116,42	98.1,100.0,9.3
chr6	33144389	33144595	COL11A2	NM_080680	66	66	26	45	337	14100	68,12	100
chr6	33144790	33145249	COL11A2	NM_080680	66	66	25,24,23	54,45,54	1568	72523	157,66	61.1,100.0,100.0
chr6	33145834	33146221	COL11A2	NM_080680	66	66	21,20,19	54,45,54	1097	43588	112,34	100.0,100.0,18.5
chr6	33146334	33146528	COL11A2	NM_080680	66	66	18	54	1710	76219	390,87	100
chr6	33146656	33147238	COL11A2	NM_080680	66	66	17,16,15,14	54,54,54,57	1020	41962	71,98	100.0,100.0,100.0,54.4
chr6	33147504	33147698	COL11A2	NM_080680	66	66	13	87	87	3008	15,43	90,8
chr6	33147911	33148096	COL11A2	NM_080680	66	66	12	75	888	38518	207,09	82,7
chr6	33148438	33148623	COL11A2	NM_080680	66	66	11	63	203	8091	43,5	100
chr6	33148797	33148997	COL11A2	NM_080680	66	66	9	60	888	38601	192,04	100
chr6	33151842	33152054	COL11A2	NM_080680	66	66	8	180	644	27853	130,77	73,9
chr6	33152738	33152917	COL11A2	NM_080680	66	66	7	63	46	1909	10,61	100
chr6	33153401	33153586	COL11A2	NM_080680	66	66	6	78	60	2774	14,91	100
chr6	33154237	33154541	COL11A2	NM_080680	66	66	5	192	349	15800	51,8	71,9

chr6	33156044	33156244	COL11A2	NM_080680	66	66	4	163	261	11573	57,58	65
chr6	33156725	33157218	COL11A2	NM_080680	66	66	3,2	211.150	729	34228	69,29	100.0,81.3
chr6	33159879	33160189	COL11A2	NM_080680	66	66	1	82	19	726	2,33	100
chr6	35466018	35466298	TULP1	NM_003322	15	15	15	134	48	2027	7,21	100
chr6	35467758	35467931	TULP1	NM_003322	15	15	14	172	417	16459	94,59	100
chr6	35471406	35471671	TULP1	NM_003322	15	15	13,12	99.112	645	29844	112,2	29.3,100.0
chr6	35473420	35474026	TULP1	NM_003322	15	15	11,10	113.171	886	41717	68,73	100.0,100.0
chr6	35476982	35477212	TULP1	NM_003322	15	15	8	104	605	25482	110,31	100
chr6	35477450	35477721	TULP1	NM_003322	15	15	7,6	117.102	1135	52617	193,44	66.7,100.0
chr6	35478558	35478743	TULP1	NM_003322	15	15	5	150	885	42409	228,01	70,7
chr6	35479343	35479528	TULP1	NM_003322	15	15	4	159	176	7637	41,06	65,4
chr6	35479964	35480164	TULP1	NM_003322	15	15	3	91	23	934	4,65	92,3
chr6	35480381	35480735	TULP1	NM_003322	15	15	2,1	52,47	1082	45352	127,75	100.0,100.0
chr6	42123174	42123368	GUCA1A	NM_000409	6	4	1	188	335	12920	66,26	84
chr6	42130721	42131066	GUCA1A	NM_000409	6	4	2	176	2947	141907	410,14	64,2
chr6	42141303	42141491	GUCA1A	NM_000409	6	4	3	201	193	7775	41,14	69,7
chr6	42146018	42146683	GUCA1A	NM_000409	6	4	4,5	150,94	2038	97805	146,85	100.0,100.0
chr6	42147014	42147241	GUCA1A	NM_000409	6	4	6	161	27	1228	5,39	79,5
chr6	42152315	42152725	GUCA1B	NM_002098	4	4	4	128	1610	73374	178,53	100
chr6	42153412	42153606	GUCA1B	NM_002098	4	4	3	118	623	26687	136,86	100
chr6	42156309	42156488	GUCA1B	NM_002098	4	4	2	150	1236	53453	296,96	100
chr6	42162327	42162586	GUCA1B	NM_002098	4	4	1	207	1136	52880	203,38	100
chr6	42666028	42666216	PRPH2	NM_000322	3	3	3	213	687	29960	158,52	86,4
chr6	42672145	42672440	PRPH2	NM_000322	3	3	2	247	932	40821	137,91	83
chr6	42689432	42690168	PRPH2	NM_000322	3	3	1	581	3793	182182	247,19	100
chr6	64430400	64431726	EYS	NM_001142800	43	40	43	1202	4944	239450	180,44	100
chr6	64436380	64436580	EYS	NM_001142800	43	40	42	162	481	19872	98,87	100
chr6	64472309	64472509	EYS	NM_001142800	43	40	41	173	405	17508	87,1	90,2
chr6	64487811	64488112	EYS	NM_001142800	43	40	40	175	443	18793	62,23	100
chr6	64497984	64498157	EYS	NM_001142800	43	40	39	145	238	9771	56,16	100
chr6	64498867	64499082	EYS	NM_001142800	43	40	38	167	330	14869	68,84	79
chr6	64516100	64516303	EYS	NM_001142800	43	40	37	183	235	10357	50,77	90,7
chr6	64574058	64574273	EYS	NM_001142800	43	40	36	173	520	22536	104,33	100
chr6	64694200	64694483	EYS	NM_001142800	43	40	35	221	572	26251	92,43	94,1
chr6	64708994	64709176	EYS	NM_001142800	43	40	34	109	239	10407	56,87	76,1
chr6	64776159	64776344	EYS	NM_001142800	43	40	33	154	348	14218	76,44	74
chr6	64791727	64791906	EYS	NM_001142800	43	40	32	147	83	3244	18,02	100
chr6	64940445	64940752	EYS	NM_001142800	43	40	31	233	213	9661	31,37	100
chr6	65016887	65017081	EYS	NM_001142800	43	40	30	113	85	3523	18,07	78,8
chr6	65098569	65098757	EYS	NM_001142800	43	40	29	151	331	14753	78,06	100
chr6	65145988	65146185	EYS	NM_001142800	43	40	28	92	424	17280	87,27	100
chr6	65149091	65149264	EYS	NM_001142800	43	40	27	191	47	2079	11,95	81,2
chr6	65300041	65301823	EYS	NM_001142800	43	40	26	1767	4576	219689	123,21	96,7
chr6	65302975	65303172	EYS	NM_001142800	43	40	25	193	470	21302	107,59	84,5
chr6	65327265	65327468	EYS	NM_001142800	43	40	24	116	889	38377	188,12	100
chr6	65336026	65336244	EYS	NM_001142800	43	40	23	125	428	18294	83,53	90,4
chr6	65523240	65523434	EYS	NM_001142800	43	40	22	200	511	21728	111,43	82
chr6	65531545	65531730	EYS	NM_001142800	43	40	21	79	58	2504	13,46	91,1
chr6	65532544	65532759	EYS	NM_001142800	43	40	20	172	497	21961	101,67	100
chr6	65596502	65596702	EYS	NM_001142800	43	40	19	146	444	19115	95,1	77,4
chr6	65611902	65612114	EYS	NM_001142800	43	40	18	108	141	5610	26,34	100
chr6	65612247	65612435	EYS	NM_001142800	43	40	17	97	821	34065	180,24	100
chr6	65622366	65622646	EYS	NM_001142800	43	40	16	260	703	30527	108,64	100
chr6	65655613	65655816	EYS	NM_001142800	43	40	15	122	357	15318	75,09	100

chr6	65707426	65707638	EYS	NM_001142800	43	40	14	122	344	14249	66,9	100
chr6	65767445	65767642	EYS	NM_001142800	43	40	13	114	227	9101	45,96	100
chr6	66005779	66006044	EYS	NM_001142800	43	40	12	257	564	24498	92,1	91,1
chr6	66044847	66045136	EYS	NM_001142800	43	40	11	167	1354	64065	220,91	100
chr6	66053903	66054094	EYS	NM_001142800	43	40	10	140	431	18085	94,19	100
chr6	66063336	66063530	EYS	NM_001142800	43	40	9	160	489	21509	110,3	100
chr6	66094238	66094423	EYS	NM_001142800	43	40	8	115	150	6860	36,88	100
chr6	66112370	66112579	EYS	NM_001142800	43	40	7	128	199	9034	43,02	100
chr6	66115075	66115257	EYS	NM_001142800	43	40	6	194	192	8093	44,22	94,3
chr6	66200368	66200571	EYS	NM_001142800	43	40	5	114	72	2946	14,44	74,6
chr6	66204541	66205372	EYS	NM_001142800	43	40	4	748	2763	132474	159,22	100
chr6	70926525	70926719	COL9A1	NM_001851	38	38	38	185	220	9422	48,32	64,9
chr6	70935543	70935758	COL9A1	NM_001851	38	38	37	78	505	22591	104,59	100
chr6	70942351	70942536	COL9A1	NM_001851	38	38	36	189	125	5430	29,19	65,6
chr6	70944183	70944368	COL9A1	NM_001851	38	38	35	55	656	27156	146	100
chr6	70944544	70944732	COL9A1	NM_001851	38	38	34	147	271	12522	66,25	68
chr6	70948932	70949132	COL9A1	NM_001851	38	38	33	33	95	4404	21,91	100
chr6	70950385	70950588	COL9A1	NM_001851	38	38	32	45	856	39403	193,15	100
chr6	70950976	70951170	COL9A1	NM_001851	38	38	31	36	1299	58653	300,78	100
chr6	70951542	70951727	COL9A1	NM_001851	38	38	30	72	540	21664	116,47	84,7
chr6	70952291	70952485	COL9A1	NM_001851	38	38	29	54	317	13197	67,68	100
chr6	70961877	70962068	COL9A1	NM_001851	38	38	27	54	434	18880	98,33	100
chr6	70963019	70963195	COL9A1	NM_001851	38	38	26	45	429	16849	95,19	100
chr6	70964135	70964332	COL9A1	NM_001851	38	38	25	54	296	12581	63,54	100
chr6	70964689	70965132	COL9A1	NM_001851	38	38	24,23,22	54,54,54	936	43281	97,48	57,4,100,0,100,0
chr6	70966388	70966609	COL9A1	NM_001851	38	38	21	54	193	8327	37,51	100
chr6	70970295	70970489	COL9A1	NM_001851	38	38	20	54	328	13039	66,87	100
chr6	70972879	70973073	COL9A1	NM_001851	38	38	19	54	402	16924	86,79	100
chr6	70976364	70976570	COL9A1	NM_001851	38	38	18	54	439	19790	95,6	100
chr6	70978380	70978562	COL9A1	NM_001851	38	38	17	57	718	30584	167,13	98,2
chr6	70979179	70979391	COL9A1	NM_001851	38	38	16	33	387	15924	74,76	100
chr6	70979928	70980158	COL9A1	NM_001851	38	38	15	54	142	5855	25,35	100
chr6	70981271	70981483	COL9A1	NM_001851	38	38	14	54	413	19327	90,74	100
chr6	70981613	70981804	COL9A1	NM_001851	38	38	13	24	172	7369	38,38	100
chr6	70983667	70983852	COL9A1	NM_001851	38	38	12	36	402	18228	98	100
chr6	70984354	70984551	COL9A1	NM_001851	38	38	11	54	327	14756	74,53	100
chr6	70990554	70990843	COL9A1	NM_001851	38	38	10,9	63,36	622	27551	95	38,1,100,0
chr6	70990997	70991200	COL9A1	NM_001851	38	38	8	75	255	11051	54,17	100
chr6	70992566	70992861	COL9A1	NM_001851	38	38	7	21	383	17429	58,88	100
chr6	70993441	70993644	COL9A1	NM_001851	38	38	6	84	88	3539	17,35	98,8
chr6	71003847	71004281	COL9A1	NM_001851	38	38	5	397	1290	58192	133,77	100
chr6	71009731	71010103	COL9A1	NM_001851	38	38	4,3	133,78	630	27781	74,48	100,0,100,0
chr6	71011655	71011855	COL9A1	NM_001851	38	38	2	74	87	3274	16,29	100
chr6	71012538	71012723	COL9A1	NM_001851	38	38	1	14	1316	55032	295,87	100
chr6	72596610	72596952	RIMS1	NM_014989	34	34	1	164	251	10356	30,19	100
chr6	72678616	72678840	RIMS1	NM_014989	34	34	2	81	438	17981	79,92	100
chr6	72806598	72806783	RIMS1	NM_014989	34	34	3	214	1665	71249	383,06	61,7
chr6	72809592	72809771	RIMS1	NM_014989	34	34	4	12	149	6473	35,96	100
chr6	72889255	72889642	RIMS1	NM_014989	34	34	5	341	500	23110	59,56	100
chr6	72891908	72892831	RIMS1	NM_014989	34	34	6	866	466	21854	23,65	97,6
chr6	72943433	72943633	RIMS1	NM_014989	34	34	7	68	537	22040	109,65	100
chr6	72945293	72945499	RIMS1	NM_014989	34	34	8	111	554	24110	116,47	100
chr6	72947490	72947672	RIMS1	NM_014989	34	34	9	100	109	4529	24,75	100
chr6	72951993	72952163	RIMS1	NM_014989	34	34	10	124	52	2192	12,82	100

chr6	72955398	72955598	RIMS1	NM_014989	34	34	11	47	474	19435	96,69	100
chr6	72957700	72957900	RIMS1	NM_014989	34	34	12	113	214	8602	42,8	100
chr6	72959982	72960164	RIMS1	NM_014989	34	34	13	131	558	25255	138,01	100
chr6	72960681	72961124	RIMS1	NM_014989	34	34	14,15	172.154	1272	57206	128,84	66.9,100.0
chr6	72962354	72962527	RIMS1	NM_014989	34	34	16	72	888	36806	211,53	88,9
chr6	72967850	72968065	RIMS1	NM_014989	34	34	17	157	668	29084	134,65	86
chr6	72968660	72968848	RIMS1	NM_014989	34	34	18	126	253	10964	58,01	100
chr6	72970358	72970570	RIMS1	NM_014989	34	34	19	63	206	8702	40,85	100
chr6	72974625	72974813	RIMS1	NM_014989	34	34	20	78	247	9568	50,62	100
chr6	72975088	72975264	RIMS1	NM_014989	34	34	21	114	231	9866	55,74	100
chr6	72975553	72975783	RIMS1	NM_014989	34	34	22	90	270	11367	49,21	100
chr6	72983939	72984118	RIMS1	NM_014989	34	34	23	84	254	11187	62,15	79,8
chr6	72993715	72993921	RIMS1	NM_014989	34	34	24	72	385	17053	82,38	100
chr6	73000300	73000512	RIMS1	NM_014989	34	34	25	183	367	15977	75,01	71,6
chr6	73001547	73001771	RIMS1	NM_014989	34	34	26	113	842	36389	161,73	100
chr6	73016892	73017089	RIMS1	NM_014989	34	34	27	113	220	10299	52,02	100
chr6	73023137	73023316	RIMS1	NM_014989	34	34	28	167	337	13277	73,76	64,7
chr6	73043271	73043572	RIMS1	NM_014989	34	34	29	236	789	38267	126,71	100
chr6	73100241	73100432	RIMS1	NM_014989	34	34	30	139	338	14395	74,97	95,7
chr6	73102352	73102555	RIMS1	NM_014989	34	34	31	113	210	9126	44,74	100
chr6	73107895	73108107	RIMS1	NM_014989	34	34	32	102	240	10724	50,35	100
chr6	73108641	73108820	RIMS1	NM_014989	34	34	33	140	565	23007	127,82	100
chr6	73110232	73110512	RIMS1	NM_014989	34	34	34	219	431	18400	65,48	84,5
chr6	80196671	80197579	LCA5	NM_181714	9	7	9	863	2571	123378	135,73	99,5
chr6	80198724	80198924	LCA5	NM_181714	9	7	8	133	212	8805	43,81	93,2
chr6	80201290	80201460	LCA5	NM_181714	9	7	7	143	478	20486	119,8	100
chr6	80202281	80202475	LCA5	NM_181714	9	7	6	97	518	22498	115,37	86,6
chr6	80203340	80203516	LCA5	NM_181714	9	7	5	138	222	9400	53,11	92,8
chr6	80222924	80223533	LCA5	NM_181714	9	7	4	530	1481	68955	113,04	100
chr6	80228369	80228705	LCA5	NM_181714	9	7	3	190	949	44690	132,61	100
chr6	80626277	80626634	ELOVL4	NM_022726	6	6	6	276	219	10384	29,01	100
chr6	80629079	80629258	ELOVL4	NM_022726	6	6	5	128	300	13208	73,38	95,3
chr6	80631252	80631464	ELOVL4	NM_022726	6	6	4	172	476	20677	97,08	71,5
chr6	80634608	80634808	ELOVL4	NM_022726	6	6	3	81	232	10502	52,25	100
chr6	80635934	80636131	ELOVL4	NM_022726	6	6	2	188	352	15226	76,9	87,8
chr6	80656869	80657146	ELOVL4	NM_022726	6	6	1	100	130	6175	22,21	100
chr6	135606564	135606847	AHI1	NM_001134831	29	26	29	3	781	37108	130,66	100
chr6	135611502	135611711	AHI1	NM_001134831	29	26	28	103	281	12403	59,06	100
chr6	135621593	135621811	AHI1	NM_001134831	29	26	27	59	479	21910	100,05	100
chr6	135639643	135639843	AHI1	NM_001134831	29	26	26	98	57	1973	9,82	100
chr6	135644280	135644477	AHI1	NM_001134831	29	26	25	163	500	21736	109,78	100
chr6	135679211	135679381	AHI1	NM_001134831	29	26	24	56	637	26519	155,08	100
chr6	135715843	135716105	AHI1	NM_001134831	29	26	23	121	318	14639	55,66	100
chr6	135725953	135726129	AHI1	NM_001134831	29	26	22	27	471	20283	114,59	100
chr6	135732477	135732668	AHI1	NM_001134831	29	26	21	197	704	30706	159,93	92,9
chr6	135748286	135748462	AHI1	NM_001134831	29	26	20	141	491	19415	109,69	100
chr6	135749707	135749901	AHI1	NM_001134831	29	26	19	131	724	33910	173,9	100
chr6	135750906	135751115	AHI1	NM_001134831	29	26	18	119	413	18660	88,86	80,7
chr6	135752334	135752537	AHI1	NM_001134831	29	26	17	107	527	23746	116,4	100
chr6	135754123	135754373	AHI1	NM_001134831	29	26	16	230	900	42585	169,66	90,9
chr6	135759446	135759634	AHI1	NM_001134831	29	26	15	124	330	13595	71,93	98,4
chr6	135763691	135763870	AHI1	NM_001134831	29	26	14	133	78	3263	18,13	100
chr6	135768109	135768321	AHI1	NM_001134831	29	26	13	153	510	22441	105,36	100
chr6	135769419	135769628	AHI1	NM_001134831	29	26	12	186	348	14316	68,17	100

chr6	135774395	135774607	AHI1	NM_001134831	29	26	11	96	484	19544	91,76	100
chr6	135776852	135777067	AHI1	NM_001134831	29	26	10	193	101	4266	19,75	100
chr6	135778642	135778904	AHI1	NM_001134831	29	26	9	220	629	29447	111,97	95,5
chr6	135784255	135784437	AHI1	NM_001134831	29	26	8	182	216	9478	51,79	96,2
chr6	135786864	135787464	AHI1	NM_001134831	29	26	7	560	2882	138444	230,36	91,6
chr6	135788707	135788916	AHI1	NM_001134831	29	26	6	54	234	9633	45,87	100
chr6	135811667	135811941	AHI1	NM_001134831	29	26	5	125	379	16944	61,61	100
chr6	135813349	135813528	AHI1	NM_001134831	29	26	4	10	202	8206	45,59	100
chr6	137143650	137143862	PEX7	NM_000288	10	10	1	130	67	2890	13,57	45,4
chr6	137146265	137146435	PEX7	NM_000288	10	10	2	58	230	10112	59,13	100
chr6	137147413	137147595	PEX7	NM_000288	10	10	3	151	617	23838	130,26	92,1
chr6	137166694	137166891	PEX7	NM_000288	10	10	4	78	204	8634	43,61	100
chr6	137167179	137167358	PEX7	NM_000288	10	10	5	109	398	16364	90,91	100
chr6	137187687	137187875	PEX7	NM_000288	10	10	6	107	422	18083	95,68	100
chr6	137190948	137191166	PEX7	NM_000288	10	10	7	114	398	17664	80,66	100
chr6	137193275	137193454	PEX7	NM_000288	10	10	8	56	307	13786	76,59	100
chr6	137219256	137219468	PEX7	NM_000288	10	10	9	100	598	25776	121,01	100
chr6	137234494	137234774	PEX7	NM_000288	10	10	10	69	673	30507	108,57	100
chr7	23145553	23145809	KLHL7	NM_001031710	11	11	1	120	191	8323	32,39	100
chr7	23163310	23163513	KLHL7	NM_001031710	11	11	2	103	142	6106	29,93	100
chr7	23164193	23164381	KLHL7	NM_001031710	11	11	3	94	374	15827	83,74	79,8
chr7	23164628	23164819	KLHL7	NM_001031710	11	11	4	125	368	15749	82,03	100
chr7	23180393	23180593	KLHL7	NM_001031710	11	11	5	176	289	12741	63,39	97,2
chr7	23183399	23183599	KLHL7	NM_001031710	11	11	6	175	597	24829	123,53	74,3
chr7	23191650	23191841	KLHL7	NM_001031710	11	11	7	143	521	21043	109,6	100
chr7	23205350	23205624	KLHL7	NM_001031710	11	11	8	241	778	34514	125,51	86,3
chr7	23207440	23207670	KLHL7	NM_001031710	11	11	9	202	184	8327	36,05	100
chr7	23212527	23212715	KLHL7	NM_001031710	11	11	10	98	226	9643	51,02	100
chr7	23213611	23213950	KLHL7	NM_001031710	11	11	11	284	892	41508	122,08	100
chr7	33135960	33136160	RP9	NM_203288	6	6	5	62	506	23135	115,1	90,3
chr7	33136900	33137073	RP9	NM_203288	6	6	4	92	66	2539	14,59	81,5
chr7	33138958	33139137	RP9	NM_203288	6	6	3	130	548	22124	122,91	70
chr7	33148870	33149073	RP9	NM_203288	6	6	1	152	0	0	0	75,7
chr7	33185875	33186063	BBS9	NM_198428	23	22	2	112	214	9535	50,45	91,1
chr7	33192296	33192490	BBS9	NM_198428	23	22	3	151	205	8693	44,58	100
chr7	33195196	33195366	BBS9	NM_198428	23	22	4	65	74	2834	16,57	100
chr7	33217010	33217204	BBS9	NM_198428	23	22	5	114	265	10972	56,27	100
chr7	33296825	33297034	BBS9	NM_198428	23	22	6	175	262	11570	55,1	100
chr7	33303876	33304058	BBS9	NM_198428	23	22	7	85	138	6039	33	100
chr7	33312612	33312803	BBS9	NM_198428	23	22	8	184	211	8536	44,46	97,8
chr7	33313439	33313627	BBS9	NM_198428	23	22	9	130	446	19232	101,76	100
chr7	33376016	33376210	BBS9	NM_198428	23	22	10	182	120	4929	25,28	86,8
chr7	33380509	33380703	BBS9	NM_198428	23	22	11	77	435	18427	94,5	100
chr7	33384107	33384319	BBS9	NM_198428	23	22	12	54	175	7245	34,01	100
chr7	33388650	33388832	BBS9	NM_198428	23	22	13	103	497	21204	115,87	100
chr7	33390576	33391004	BBS9	NM_198428	23	22	14	105	644	30783	71,76	100
chr7	33392362	33392544	BBS9	NM_198428	23	22	15	15	1073	44402	242,63	100
chr7	33397412	33397692	BBS9	NM_198428	23	22	16	141	602	28073	99,9	100
chr7	33407290	33407490	BBS9	NM_198428	23	22	17	96	347	15777	78,49	100
chr7	33423269	33423451	BBS9	NM_198428	23	22	18	173	208	8487	46,38	100
chr7	33427591	33427788	BBS9	NM_198428	23	22	19	153	603	26640	134,55	100
chr7	33545008	33545196	BBS9	NM_198428	23	22	20	183	362	15864	83,94	66,7
chr7	33573604	33573890	BBS9	NM_198428	23	22	21	223	1614	72824	253,74	83
chr7	33644454	33644977	BBS9	NM_198428	23	22	22,23	111,32	1074	51230	97,77	100,0,100,0

chr7	92116628	92116831	PEX1	NM_000466	24	24	24	85	166	7628	37,39	71,8
chr7	92118574	92118768	PEX1	NM_000466	24	24	23	131	195	8361	42,88	100
chr7	92118966	92119163	PEX1	NM_000466	24	24	22	198	259	10820	54,65	68,7
chr7	92120566	92120852	PEX1	NM_000466	24	24	21	231	642	28274	98,52	100
chr7	92122213	92122475	PEX1	NM_000466	24	24	20	177	442	21068	80,11	100
chr7	92123648	92124002	PEX1	NM_000466	24	24	19,18	104.143	861	39953	112,54	60,6,100,0
chr7	92125937	92126113	PEX1	NM_000466	24	24	17	65	76	3453	19,51	100
chr7	92128996	92129169	PEX1	NM_000466	24	24	16	135	176	7588	43,61	100
chr7	92130791	92131009	PEX1	NM_000466	24	24	15	167	388	16344	74,63	100
chr7	92131168	92131362	PEX1	NM_000466	24	24	14	190	463	20156	103,36	83,7
chr7	92132316	92132501	PEX1	NM_000466	24	24	13	155	487	20288	109,08	94,8
chr7	92134105	92134281	PEX1	NM_000466	24	24	12	171	1624	66467	375,52	65,5
chr7	92135488	92135664	PEX1	NM_000466	24	24	11	97	471	19290	108,98	100
chr7	92136258	92136488	PEX1	NM_000466	24	24	10	133	452	20938	90,64	100
chr7	92138619	92138825	PEX1	NM_000466	24	24	9	83	498	19972	96,48	100
chr7	92140170	92140364	PEX1	NM_000466	24	24	8	104	197	7985	40,95	100
chr7	92140867	92141043	PEX1	NM_000466	24	24	7	124	205	8742	49,39	100
chr7	92143103	92143285	PEX1	NM_000466	24	24	6	120	222	9259	50,6	100
chr7	92146636	92147624	PEX1	NM_000466	24	24	5,4	767.115	2581	119790	121,12	94,0,100,0
chr7	92148229	92148405	PEX1	NM_000466	24	24	3	84	262	11739	66,32	100
chr7	92151381	92151593	PEX1	NM_000466	24	24	2	144	1066	45606	214,11	100
chr7	92157582	92157859	PEX1	NM_000466	24	24	1	129	9	407	1,46	100
chr7	120428579	120428989	TSPAN12	NM_012338	8	7	8	306	1661	76905	187,12	100
chr7	120446559	120446777	TSPAN12	NM_012338	8	7	7	144	411	17714	80,89	100
chr7	120450473	120450658	TSPAN12	NM_012338	8	7	6	108	1151	50645	272,28	100
chr7	120455776	120455994	TSPAN12	NM_012338	8	7	5	75	172	7196	32,86	100
chr7	120478810	120478983	TSPAN12	NM_012338	8	7	4	136	469	19890	114,31	100
chr7	120480066	120480236	TSPAN12	NM_012338	8	7	3	83	321	13860	81,05	100
chr7	120496646	120496858	TSPAN12	NM_012338	8	7	2	66	327	13710	64,37	100
chr7	128033042	128033162	IMPDH1	NM_000883	17	17	17	22	9	285	2,36	100
chr7	128034384	128034557	IMPDH1	NM_000883	17	17	16,15	84.144	237	9427	54,18	38.1,33.3
chr7	128034618	128034738	IMPDH1	NM_000883	17	17	15	144	146	5054	41,77	25
chr7	128034990	128035240	IMPDH1	NM_000883	17	17	14,13	145.144	113	5153	20,53	67.6,38.9
chr7	128035310	128035430	IMPDH1	NM_000883	17	17	13	144	42	1571	12,98	13,2
chr7	128036741	128036861	IMPDH1	NM_000883	17	17	12	96	15	580	4,79	9,4
chr7	128038622	128038742	IMPDH1	NM_000883	17	17	10	200	31	1122	9,27	23
chr7	128040210	128040395	IMPDH1	NM_000883	17	17	9,8	88.207	228	8895	47,82	30.7,4.3
chr7	128040545	128040665	IMPDH1	NM_000883	17	17	8	207	36	1472	12,17	23,7
chr7	128040909	128041085	IMPDH1	NM_000883	17	17	7,6	75.102	586	23960	135,37	49.3,16.7
chr7	128041140	128041260	IMPDH1	NM_000883	17	17	6	102	285	10496	86,74	30,4
chr7	128043758	128043928	IMPDH1	NM_000883	17	17	5	49	215	9299	54,38	100
chr7	128045885	128046085	IMPDH1	NM_000883	17	17	4	99	0	0	0	35,4
chr7	128049358	128049570	IMPDH1	NM_000883	17	17	3,2	64.44	538	24304	114,1	76.6,100.0
chr7	128049853	128050044	IMPDH1	NM_000883	17	17	1	146	1	35	0,18	70,5
chr7	128412529	128412741	OPN1SW	NM_001708	5	5	5	120	142	6346	29,79	100
chr7	128413625	128413893	OPN1SW	NM_001708	5	5	4	240	494	23338	86,76	79,6
chr7	128414474	128414659	OPN1SW	NM_001708	5	5	3	166	414	17612	94,69	65,1
chr7	128414948	128415163	OPN1SW	NM_001708	5	5	2	169	724	32488	150,41	73,4
chr7	128415542	128415920	OPN1SW	NM_001708	5	5	1	352	475	21182	55,89	86,1
chr7	138522549	138522980	KIAA1549	NM_001164665	20	20	20	255	793	36187	83,77	100
chr7	138524840	138525064	KIAA1549	NM_001164665	20	20	19	146	498	22279	99,02	100
chr7	138528967	138529164	KIAA1549	NM_001164665	20	20	18	158	300	13727	69,33	65,2
chr7	138536906	138537082	KIAA1549	NM_001164665	20	20	17	47	142	5790	32,71	100
chr7	138545916	138546297	KIAA1549	NM_001164665	20	20	16	318	232	10560	27,64	90,3

chr7	138552771	138552968	KIAA1549	NM_001164665	20	20	15	154	302	12563	63,45	67,5
chr7	138554284	138554573	KIAA1549	NM_001164665	20	20	14	224	228	10790	37,21	100
chr7	138555973	138556176	KIAA1549	NM_001164665	20	20	13	206	423	19146	93,85	66
chr7	138564315	138564494	KIAA1549	NM_001164665	20	20	12	116	247	10750	59,72	73,3
chr7	138566158	138566364	KIAA1549	NM_001164665	20	20	11	197	456	19760	95,46	87,8
chr7	138579124	138579330	KIAA1549	NM_001164665	20	20	10	185	1850	80714	389,92	80,5
chr7	138583732	138583929	KIAA1549	NM_001164665	20	20	9	178	38	1709	8,63	82,6
chr7	138588337	138588525	KIAA1549	NM_001164665	20	20	8	149	348	15523	82,13	98
chr7	138589696	138589887	KIAA1549	NM_001164665	20	20	7	60	525	24488	127,54	100
chr7	138591676	138591891	KIAA1549	NM_001164665	20	20	6	184	24	1096	5,07	94
chr7	138593767	138593952	KIAA1549	NM_001164665	20	20	5	131	160	6995	37,61	77,1
chr7	138595846	138596058	KIAA1549	NM_001164665	20	20	4	178	296	13666	64,16	93,8
chr7	138597136	138597324	KIAA1549	NM_001164665	20	20	3	89	1012	42336	224	79,8
chr7	138601521	138604287	KIAA1549	NM_001164665	20	20	2	2691	5485	264144	95,46	99
chr7	138665731	138666026	KIAA1549	NM_001164665	20	20	1	187	14	607	2,05	100
chr8	10464321	10464983	RP1L1	NM_178857	4	3	4	6452	1526	68460	103,26	9
chr8	10465358	10465558	RP1L1	NM_178857	4	3	4	6452	1884	63408	315,46	3,1
chr8	10465613	10465943	RP1L1	NM_178857	4	3	4	6452	2363	91572	276,65	5,1
chr8	10466084	10470933	RP1L1	NM_178857	4	3	4	6452	12931	592440	122,15	74
chr8	10473869	10474054	RP1L1	NM_178857	4	3	3	142	496	20039	107,74	69,7
chr8	10480012	10480692	RP1L1	NM_178857	4	3	2	609	290	13609	19,98	96,9
chr8	38854411	38854623	ADAM9	NM_003816	22	22	1	97	43	1532	7,19	42,3
chr8	38865383	38865598	ADAM9	NM_003816	22	22	2	98	107	4296	19,89	100
chr8	38869159	38869377	ADAM9	NM_003816	22	22	3	59	411	17338	79,17	100
chr8	38871473	38871694	ADAM9	NM_003816	22	22	4	79	373	16485	74,26	100
chr8	38873482	38873768	ADAM9	NM_003816	22	22	5	77	973	42588	148,39	100
chr8	38874765	38874977	ADAM9	NM_003816	22	22	6	196	320	13623	63,96	86,2
chr8	38876292	38876507	ADAM9	NM_003816	22	22	7	66	591	24807	114,85	100
chr8	38879097	38879297	ADAM9	NM_003816	22	22	8	72	262	11789	58,65	100
chr8	38880656	38880874	ADAM9	NM_003816	22	22	9	170	193	8673	39,6	100
chr8	38883286	38883501	ADAM9	NM_003816	22	22	10	82	244	11015	51	100
chr8	38884132	38884320	ADAM9	NM_003816	22	22	11	134	922	40285	213,15	93,3
chr8	38899477	38899695	ADAM9	NM_003816	22	22	12	172	134	5862	26,77	93
chr8	38911954	38912133	ADAM9	NM_003816	22	22	13	93	304	13183	73,24	100
chr8	38913063	38913272	ADAM9	NM_003816	22	22	14	196	437	18640	88,76	90,3
chr8	38928772	38928969	ADAM9	NM_003816	22	22	15	106	148	6553	33,1	100
chr8	38934729	38934953	ADAM9	NM_003816	22	22	16	184	153	6979	31,02	100
chr8	38940156	38940344	ADAM9	NM_003816	22	22	17	81	364	16744	88,59	100
chr8	38940497	38940700	ADAM9	NM_003816	22	22	18	106	142	5642	27,66	90,6
chr8	38947518	38947706	ADAM9	NM_003816	22	22	19	142	516	20782	109,96	99,3
chr8	38948733	38948912	ADAM9	NM_003816	22	22	20	88	280	11722	65,12	100
chr8	38959330	38959518	ADAM9	NM_003816	22	22	21	68	540	22866	120,98	100
chr8	38961049	38961323	ADAM9	NM_003816	22	22	22	94	469	22099	80,36	100
chr8	55533419	55534108	RP1	NM_006269	4	3	2	615	2451	115614	167,56	94,6
chr8	55534734	55534922	RP1	NM_006269	4	3	3	172	431	18236	96,49	66,9
chr8	55537255	55542999	RP1	NM_006269	4	3	4	5684	12009	581716	101,26	99,6
chr8	63973698	63974049	TTPA	NM_000370	5	5	5	174	437	20332	57,76	100
chr8	63976650	63976853	TTPA	NM_000370	5	5	4	111	351	14637	71,75	80,2
chr8	63978444	63978668	TTPA	NM_000370	5	5	5	194	378	16555	73,58	100
chr8	63985464	63985655	TTPA	NM_000370	5	5	2	154	252	10601	55,21	100
chr8	63998284	63998579	TTPA	NM_000370	5	5	1	204	4	104	0,35	99,5
chr8	77895377	77896472	PEX2	NM_000318	4	1	4	918	1924	89224	81,41	100
chr8	77911946	77912229	PEX2	NM_000318	4	1	1	299	286	12674	44,63	1,3
chr8	87587929	87588286	CNGB3	NM_019098	18	18	18	327	601	28582	79,84	78

chr8	87590966	87591172	CNGB3	NM_019098	18	18	17	175	480	20598	99,51	72
chr8	87591258	87591431	CNGB3	NM_019098	18	18	16	147	221	10119	58,16	66,7
chr8	87616279	87616470	CNGB3	NM_019098	18	18	15	119	640	27351	142,45	100
chr8	87623733	87623915	CNGB3	NM_019098	18	18	14	84	510	20846	113,91	100
chr8	87638150	87638356	CNGB3	NM_019098	18	18	13	98	238	9397	45,4	100
chr8	87641075	87641251	CNGB3	NM_019098	18	18	12	160	1158	50266	283,99	65,6
chr8	87644896	87645075	CNGB3	NM_019098	18	18	11	142	66	2864	15,91	67,6
chr8	87655969	87656154	CNGB3	NM_019098	18	18	10	123	1238	53548	287,89	100
chr8	87656730	87656915	CNGB3	NM_019098	18	18	9	65	503	21961	118,07	100
chr8	87660016	87660192	CNGB3	NM_019098	18	18	8	87	536	22001	124,3	100
chr8	87666101	87666298	CNGB3	NM_019098	18	18	7	51	184	8042	40,62	100
chr8	87679111	87679311	CNGB3	NM_019098	18	18	6	209	284	12953	64,44	76,1
chr8	87680188	87680391	CNGB3	NM_019098	18	18	5	150	835	37330	182,99	96,7
chr8	87683220	87683393	CNGB3	NM_019098	18	18	4	155	72	3104	17,84	69
chr8	87738712	87738918	CNGB3	NM_019098	18	18	3	127	480	20981	101,36	100
chr8	87751802	87751990	CNGB3	NM_019098	18	18	2	82	105	4526	23,95	100
chr8	87755656	87755862	CNGB3	NM_019098	18	18	1	129	157	6779	32,75	100
chr8	94767154	94767413	TMEM67	NM_153704	28	28	1	223	1302	61828	237,8	95,1
chr8	94767942	94768127	TMEM67	NM_153704	28	28	2	89	84	3389	18,22	100
chr8	94770676	94770846	TMEM67	NM_153704	28	28	3	94	328	13947	81,56	100
chr8	94776076	94776282	TMEM67	NM_153704	28	28	4	100	287	12355	59,69	94
chr8	94777631	94777914	TMEM67	NM_153704	28	28	5,6	70,75	543	24902	87,68	100,0,100,0
chr8	94784702	94784884	TMEM67	NM_153704	28	28	7	63	243	10094	55,16	100
chr8	94792795	94793223	TMEM67	NM_153704	28	28	8,9	155,109	890	37483	87,37	100,0,100,0
chr8	94793858	94794043	TMEM67	NM_153704	28	28	10	87	178	7161	38,5	100
chr8	94794528	94794710	TMEM67	NM_153704	28	28	11	66	64	2502	13,67	100
chr8	94797502	94797672	TMEM67	NM_153704	28	28	12	157	120	4887	28,58	66,9
chr8	94798418	94798597	TMEM67	NM_153704	28	28	13	124	181	7588	42,16	100
chr8	94800054	94800242	TMEM67	NM_153704	28	28	14	106	837	38128	201,74	100
chr8	94803463	94803693	TMEM67	NM_153704	28	28	15	57	167	7168	31,03	100
chr8	94805377	94805562	TMEM67	NM_153704	28	28	16	99	437	19232	103,4	100
chr8	94807591	94807776	TMEM67	NM_153704	28	28	17	99	266	11446	61,54	100
chr8	94808083	94808271	TMEM67	NM_153704	28	28	18	87	349	15846	83,84	100
chr8	94809319	94809670	TMEM67	NM_153704	28	28	19,20	100,140	507	24022	68,24	100,0,80,0
chr8	94811830	94812006	TMEM67	NM_153704	28	28	21	141	589	23487	132,69	100
chr8	94815828	94816034	TMEM67	NM_153704	28	28	22	81	184	7229	34,92	100
chr8	94816992	94817168	TMEM67	NM_153704	28	28	23	117	135	5999	33,89	98,3
chr8	94821033	94821387	TMEM67	NM_153704	28	28	24,25	117,105	682	32398	91,26	100,0,98,1
chr8	94821971	94822168	TMEM67	NM_153704	28	28	26	103	47	1989	10,05	100
chr8	94827536	94827721	TMEM67	NM_153704	28	28	27	143	163	6566	35,3	97,9
chr8	94828611	94828814	TMEM67	NM_153704	28	28	28	81	42	1712	8,39	86,4
chr8	96259769	96259978	C8orf37	NM_177965	6	6	6	154	444	18156	86,46	87
chr8	96264288	96264509	C8orf37	NM_177965	6	6	5	96	328	12910	58,15	97,9
chr8	96272006	96272200	C8orf37	NM_177965	6	6	4	66	490	21631	110,93	100
chr8	96272558	96272752	C8orf37	NM_177965	6	6	3	65	430	18047	92,55	87,7
chr8	96275825	96276022	C8orf37	NM_177965	6	6	2	88	127	5536	27,96	100
chr8	96281319	96281489	C8orf37	NM_177965	6	6	1	155	147	5534	32,36	63,9
chr9	2717659	2719071	KCNV2	NM_133497	2	2	2	1356	1193	55088	38,99	98,2
chr9	2729503	2729795	KCNV2	NM_133497	2	2	2	282	666	28933	98,75	79,8
chr9	32541289	32544357	TOPORS	NM_005802	3	3	3	2940	11192	544933	177,56	100
chr9	32550750	32550944	TOPORS	NM_005802	3	3	2	195	34	1286	6,59	88,7
chr9	102866763	102866984	INVS	NM_014425	17	16	2	106	480	21973	98,98	100
chr9	102888677	102888892	INVS	NM_014425	17	16	3	167	835	34831	161,25	92,8
chr9	102988321	102988545	INVS	NM_014425	17	16	4	174	160	6995	31,09	100

chr9	102991856	102992053	INVS	NM_014425	17	16	5	168	193	8104	40,93	66,7
chr9	103002376	103002564	INVS	NM_014425	17	16	6	181	733	31415	166,22	81,2
chr9	103004809	103005000	INVS	NM_014425	17	16	7	110	248	10448	54,42	100
chr9	103008907	103009113	INVS	NM_014425	17	16	8	172	338	15687	75,78	94,8
chr9	103014509	103014727	INVS	NM_014425	17	16	9	156	484	21746	99,3	100
chr9	103015148	103015449	INVS	NM_014425	17	16	10	230	634	28202	93,38	100
chr9	103027032	103027223	INVS	NM_014425	17	16	11	107	536	24074	125,39	100
chr9	103035097	103035276	INVS	NM_014425	17	16	12	213	671	27226	151,26	61,5
chr9	103046537	103046817	INVS	NM_014425	17	16	13	284	107	4881	17,37	76,1
chr9	103054556	103055310	INVS	NM_014425	17	16	14	718	1309	61541	81,51	97,9
chr9	103059233	103059510	INVS	NM_014425	17	16	15	230	851	36872	132,63	85,2
chr9	103060141	103060430	INVS	NM_014425	17	16	16	75	276	12192	42,04	100
chr9	103062850	103063109	INVS	NM_014425	17	16	17	107	1245	56171	216,04	100
chr9	117164957	117165160	DFNB31	NM_015404	12	12	12	183	225	9005	44,14	69,4
chr9	117165394	117165612	DFNB31	NM_015404	12	12	11	123	250	10815	49,38	94,3
chr9	117166199	117166396	DFNB31	NM_015404	12	12	10	182	339	15480	78,18	87,4
chr9	117168654	117169251	DFNB31	NM_015404	12	12	9	538	309	13986	23,39	96,5
chr9	117170222	117170416	DFNB31	NM_015404	12	12	8	72	365	15784	80,94	100
chr9	117185637	117185828	DFNB31	NM_015404	12	12	7	210	1487	59423	309,49	79,5
chr9	117186679	117186879	DFNB31	NM_015404	12	12	6	213	118	5114	25,44	69,5
chr9	117187174	117187531	DFNB31	NM_015404	12	12	5	37	849	38617	107,87	100
chr9	117188380	117188657	DFNB31	NM_015404	12	12	4	203	353	15856	57,04	82,3
chr9	117228449	117228637	DFNB31	NM_015404	12	12	3	126	143	6072	32,13	72,2
chr9	117240546	117240989	DFNB31	NM_015404	12	12	2	219	663	31300	70,5	71,7
chr9	117266366	117267224	DFNB31	NM_015404	12	12	1	618	1532	71555	83,3	100
chr9	119459944	119462073	TRIM32	NM_012210	2	1	2	1962	4782	231500	108,69	100
chr9	139324037	139324240	INPP5E	NM_019892	10	10	10	133	731	32712	160,35	85,7
chr9	139324720	139324911	INPP5E	NM_019892	10	10	9	137	191	8755	45,6	100
chr9	139325417	139325611	INPP5E	NM_019892	10	10	8	116	414	18834	96,58	100
chr9	139326301	139326495	INPP5E	NM_019892	10	10	7	162	100	4201	21,54	84,6
chr9	139326926	139327105	INPP5E	NM_019892	10	10	6	108	25	969	5,38	100
chr9	139327344	139327689	INPP5E	NM_019892	10	10	5,4	120.125	303	13018	37,62	100.0,66.4
chr9	139328485	139328700	INPP5E	NM_019892	10	10	3	98	91	3911	18,11	100
chr9	139329201	139329422	INPP5E	NM_019892	10	10	2	124	32	1336	6,02	92,7
chr9	139332991	139333970	INPP5E	NM_019892	10	10	1	812	72	2810	2,87	100
chr10	13320128	13320408	PHYH	NM_006214	9	9	9	54	565	25892	92,14	100
chr10	13322963	13323187	PHYH	NM_006214	9	9	8	135	631	29091	129,29	100
chr10	13325706	13325909	PHYH	NM_006214	9	9	7	150	406	17529	85,93	89,3
chr10	13330275	13330502	PHYH	NM_006214	9	9	6	182	146	6126	26,87	78,6
chr10	13333751	13333933	PHYH	NM_006214	9	9	5	82	114	4637	25,34	100
chr10	13336441	13336653	PHYH	NM_006214	9	9	4	169	585	24164	113,45	92,3
chr10	13337414	13337614	PHYH	NM_006214	9	9	3	111	148	6711	33,39	100
chr10	13340097	13340273	PHYH	NM_006214	9	9	2	59	131	5805	32,8	100
chr10	13341933	13342121	PHYH	NM_006214	9	9	1	75	3	108	0,57	100
chr10	27486194	27486444	ACBD5	NM_145698	13	13	13	13	199	8443	33,64	100
chr10	27493341	27493547	ACBD5	NM_145698	13	13	12	110	296	12888	62,26	100
chr10	27494048	27494245	ACBD5	NM_145698	13	13	11	51	216	10220	51,62	100
chr10	27497111	27497299	ACBD5	NM_145698	13	13	10	200	451	19140	101,27	62,5
chr10	27499811	27500061	ACBD5	NM_145698	13	13	9	268	276	12372	49,29	74,6
chr10	27504419	27504601	ACBD5	NM_145698	13	13	8	107	260	11399	62,29	100
chr10	27506853	27507050	ACBD5	NM_145698	13	13	7	204	528	21499	108,58	69,6
chr10	27508612	27508824	ACBD5	NM_145698	13	13	6	135	229	9724	45,65	100
chr10	27512119	27512384	ACBD5	NM_145698	13	13	5	115	826	33393	125,54	100
chr10	27520633	27520827	ACBD5	NM_145698	13	13	4	73	182	8508	43,63	100

chr10	27524025	27524198	ACBD5	NM_145698	13	13	3	121	319	13117	75,39	96,7
chr10	27529180	27529709	ACBD5	NM_145698	13	13	2,1	166,15	554	25934	48,93	100.0,100.0
chr10	48381799	48382266	RBP3	NM_002900	4	4	4	356	289	13249	28,31	100
chr10	48383742	48383939	RBP3	NM_002900	4	4	3	143	609	25473	128,65	67,1
chr10	48385913	48386089	RBP3	NM_002900	4	4	2	191	269	10748	60,72	65,4
chr10	48387796	48390962	RBP3	NM_002900	4	4	1	3054	4781	224577	70,91	100
chr10	55568408	55569325	PCDH15	NM_001142769	36	35	36	855	4338	211923	230,85	100
chr10	55570275	55570475	PCDH15	NM_001142769	36	35	35	111	849	38136	189,73	100
chr10	55587203	55587379	PCDH15	NM_001142769	36	35	34	160	191	8015	45,28	66,2
chr10	55588183	55588353	PCDH15	NM_001142769	36	35	33	9	411	16512	96,56	100
chr10	55590859	55591302	PCDH15	NM_001142769	36	35	32	219	1106	51864	116,81	100
chr10	55600064	55600279	PCDH15	NM_001142769	36	35	31	177	253	10936	50,63	100
chr10	55616914	55617114	PCDH15	NM_001142769	36	35	30	89	655	29490	146,72	100
chr10	55626312	55626589	PCDH15	NM_001142769	36	35	29	216	542	22850	82,19	87
chr10	55662933	55663151	PCDH15	NM_001142769	36	35	28	128	674	30243	138,1	100
chr10	55698520	55698723	PCDH15	NM_001142769	36	35	27	141	718	30327	148,66	100
chr10	55700586	55700771	PCDH15	NM_001142769	36	35	26	110	468	21115	113,52	100
chr10	55719435	55719638	PCDH15	NM_001142769	36	35	25	113	199	9005	44,14	100
chr10	55721484	55721666	PCDH15	NM_001142769	36	35	24	141	281	12359	67,54	100
chr10	55755243	55755615	PCDH15	NM_001142769	36	35	23	117	441	20176	54,09	100
chr10	55779962	55780233	PCDH15	NM_001142769	36	35	22	225	958	44909	165,11	95,6
chr10	55782570	55782924	PCDH15	NM_001142769	36	35	21	306	892	42289	119,12	89,2
chr10	55826492	55826665	PCDH15	NM_001142769	36	35	20	129	281	12172	69,95	100
chr10	55838995	55839219	PCDH15	NM_001142769	36	35	19	94	849	38591	171,52	100
chr10	55849758	55849931	PCDH15	NM_001142769	36	35	18	80	384	16084	92,44	82,5
chr10	55892630	55892833	PCDH15	NM_001142769	36	35	17	133	417	18844	92,37	100
chr10	55912916	55913116	PCDH15	NM_001142769	36	35	16	194	2011	85622	425,98	71,1
chr10	55943190	55943375	PCDH15	NM_001142769	36	35	15	150	867	37850	203,49	100
chr10	55944854	55945066	PCDH15	NM_001142769	36	35	14	135	189	8220	38,59	100
chr10	55949033	55949230	PCDH15	NM_001142769	36	35	13	21	160	7076	35,74	100
chr10	55955409	55955606	PCDH15	NM_001142769	36	35	12	207	480	21378	107,97	79,2
chr10	55973684	55973866	PCDH15	NM_001142769	36	35	11	113	262	10897	59,55	100
chr10	55996536	55996736	PCDH15	NM_001142769	36	35	10	109	177	7579	37,71	100
chr10	56076964	56077143	PCDH15	NM_001142769	36	35	9	171	259	10100	56,11	66,1
chr10	56089235	56089465	PCDH15	NM_001142769	36	35	8	111	291	12836	55,57	99,1
chr10	56106123	56106311	PCDH15	NM_001142769	36	35	7	120	343	14439	76,4	100
chr10	56128854	56129066	PCDH15	NM_001142769	36	35	6	156	291	11315	53,12	100
chr10	56138515	56138736	PCDH15	NM_001142769	36	35	5	161	299	13014	58,62	100
chr10	56287519	56287698	PCDH15	NM_001142769	36	35	4	66	157	6576	36,53	100
chr10	56288033	56288212	PCDH15	NM_001142769	36	35	3	15	308	12312	68,4	100
chr10	56423859	56424065	PCDH15	NM_001142769	36	35	2	91	215	9469	45,74	100
chr10	73156982	73157182	CDH23	NM_022124	68	67	1	385	4	166	0,83	24,4
chr10	73199456	73199659	CDH23	NM_022124	68	67	2	67	688	27683	135,7	100
chr10	73206012	73206215	CDH23	NM_022124	68	67	3	78	495	21613	105,95	100
chr10	73269752	73269946	CDH23	NM_022124	68	67	4	143	689	30982	158,88	75,5
chr10	73270691	73270971	CDH23	NM_022124	68	67	5,6	48,93	748	32881	117,01	100.0,100.0
chr10	73326423	73326638	CDH23	NM_022124	68	67	7	195	390	17125	79,28	71,8
chr10	73330438	73330659	CDH23	NM_022124	68	67	8	129	1126	47233	212,76	87,6
chr10	73337543	73337761	CDH23	NM_022124	68	67	9	79	388	16578	75,7	100
chr10	73375195	73375383	CDH23	NM_022124	68	67	10	113	343	16041	84,87	100
chr10	73377015	73377310	CDH23	NM_022124	68	67	11	189	616	26178	88,44	72
chr10	73405461	73405824	CDH23	NM_022124	68	67	12	156	1615	71187	195,57	100
chr10	73406246	73406606	CDH23	NM_022124	68	67	13	159	938	43901	121,61	81,1
chr10	73434776	73434958	CDH23	NM_022124	68	67	14	65	261	11599	63,38	100

chr10	73437247	73437533	CDH23	NM_022124	68	67	15	238	171	7642	26,63	85,7
chr10	73439080	73439253	CDH23	NM_022124	68	67	16	106	998	42456	244	100
chr10	73442140	73442340	CDH23	NM_022124	68	67	17	128	808	35284	175,54	100
chr10	73447294	73447488	CDH23	NM_022124	68	67	18	73	335	14493	74,32	100
chr10	73450209	73450400	CDH23	NM_022124	68	67	19	117	425	19772	102,98	100
chr10	73453790	73454002	CDH23	NM_022124	68	67	20	113	855	38217	179,42	87,6
chr10	73455064	73455279	CDH23	NM_022124	68	67	21	108	662	28691	132,83	97,2
chr10	73461778	73461972	CDH23	NM_022124	68	67	22	190	203	8972	46,01	100
chr10	73462283	73462477	CDH23	NM_022124	68	67	23	146	770	34117	174,96	100
chr10	73464570	73464859	CDH23	NM_022124	68	67	24	220	152	6330	21,83	87,3
chr10	73466704	73467011	CDH23	NM_022124	68	67	25	153	308	12783	41,5	67,3
chr10	73468858	73469064	CDH23	NM_022124	68	67	26	114	207	8965	43,31	97,4
chr10	73472347	73472621	CDH23	NM_022124	68	67	27	149	479	22455	81,65	100
chr10	73483680	73483856	CDH23	NM_022124	68	67	28	61	644	27672	156,34	90,2
chr10	73485039	73485242	CDH23	NM_022124	68	67	29	149	341	13902	68,15	76,5
chr10	73490222	73490410	CDH23	NM_022124	68	67	30	136	170	7464	39,49	100
chr10	73491789	73492232	CDH23	NM_022124	68	67	31	389	1463	68769	154,89	88,4
chr10	73493886	73494071	CDH23	NM_022124	68	67	32	102	230	9803	52,7	73,5
chr10	73498167	73498370	CDH23	NM_022124	68	67	33	153	160	6893	33,79	77,8
chr10	73499439	73499624	CDH23	NM_022124	68	67	34	129	344	14259	76,66	70,5
chr10	73500506	73500706	CDH23	NM_022124	68	67	35	129	725	29626	147,39	99,2
chr10	73501407	73501663	CDH23	NM_022124	68	67	36	228	541	22998	89,49	93,4
chr10	73537361	73537671	CDH23	NM_022124	68	67	37	222	926	38748	124,59	100
chr10	73537865	73538071	CDH23	NM_022124	68	67	38	120	824	35862	173,25	100
chr10	73538944	73539147	CDH23	NM_022124	68	67	39	181	495	21234	104,09	68,5
chr10	73543949	73544134	CDH23	NM_022124	68	67	40	134	361	16319	87,74	67,9
chr10	73544624	73544818	CDH23	NM_022124	68	67	41	210	697	28523	146,27	81,4
chr10	73545271	73545468	CDH23	NM_022124	68	67	42	108	613	24722	124,86	75
chr10	73548623	73548808	CDH23	NM_022124	68	67	43	103	767	32308	173,7	100
chr10	73550063	73550257	CDH23	NM_022124	68	67	44	126	200	8459	43,38	85,7
chr10	73550913	73551104	CDH23	NM_022124	68	67	45	204	425	18200	94,79	88,2
chr10	73552850	73553379	CDH23	NM_022124	68	67	46	459	1792	82664	155,97	96,1
chr10	73556821	73557024	CDH23	NM_022124	68	67	47	117	648	27891	136,72	100
chr10	73558067	73558377	CDH23	NM_022124	68	67	48	225	1124	52561	169,01	100
chr10	73558791	73559006	CDH23	NM_022124	68	67	49	170	148	5830	26,99	81,8
chr10	73559255	73559440	CDH23	NM_022124	68	67	50	138	265	10704	57,55	95,7
chr10	73560282	73560506	CDH23	NM_022124	68	67	51	120	152	7161	31,83	95
chr10	73562610	73563124	CDH23	NM_022124	68	67	52,53	178.212	1237	57735	112,11	100,0,75,0
chr10	73565578	73566083	CDH23	NM_022124	68	67	54,55	192.114	722	33167	65,55	92,2,100,0
chr10	73567090	73567841	CDH23	NM_022124	68	67	56,57,58	130.252.162	1786	83246	110,7	56,9,100,0,100,0
chr10	73569561	73569844	CDH23	NM_022124	68	67	59	257	646	26807	94,39	100
chr10	73570101	73570319	CDH23	NM_022124	68	67	60	98	506	21002	95,9	92,9
chr10	73571010	73571435	CDH23	NM_022124	68	67	61,62	121,80	730	34624	81,28	100,0,100,0
chr10	73571650	73571832	CDH23	NM_022124	68	67	64	61	678	31656	172,98	100
chr10	73572035	73572647	CDH23	NM_022124	68	67	65,66	130.123	591	26792	43,71	100,0,100,0
chr10	73572979	73573191	CDH23	NM_022124	68	67	67	105	333	14652	68,79	100
chr10	73574740	73575165	CDH23	NM_022124	68	67	68	327	654	31651	74,3	90,5
chr10	85954402	85954522	CDHR1	NM_001171971	17	17	1	55	0	0	0	10,9
chr10	85955197	85955412	CDHR1	NM_001171971	17	17	2	96	216	9446	43,73	100
chr10	85956164	85956382	CDHR1	NM_001171971	17	17	3	146	1736	76578	349,67	83,6
chr10	85957478	85957654	CDHR1	NM_001171971	17	17	4	51	305	11992	67,75	100
chr10	85958693	85958914	CDHR1	NM_001171971	17	17	5	90	369	17185	77,41	100
chr10	85960224	85960439	CDHR1	NM_001171971	17	17	6	87	475	21136	97,85	95,4
chr10	85961459	85961644	CDHR1	NM_001171971	17	17	7	114	580	23277	125,15	71,9

chr10	85962662	85962871	CDHR1	NM_001171971	17	17	8	144	475	21484	102,3	94,4
chr10	85964293	85964475	CDHR1	NM_001171971	17	17	9	79	611	26461	144,6	87,3
chr10	85965565	85965768	CDHR1	NM_001171971	17	17	10	101	546	23629	115,83	100
chr10	85967979	85968206	CDHR1	NM_001171971	17	17	11	204	516	22008	96,53	76
chr10	85968415	85968639	CDHR1	NM_001171971	17	17	12	153	125	5287	23,5	100
chr10	85970687	85970884	CDHR1	NM_001171971	17	17	13	165	1434	58137	293,62	77,6
chr10	85971301	85971504	CDHR1	NM_001171971	17	17	14	68	254	9913	48,59	100
chr10	85971977	85972260	CDHR1	NM_001171971	17	17	15	229	295	13989	49,26	81,7
chr10	85972778	85973040	CDHR1	NM_001171971	17	17	16	258	1018	46168	175,54	75,2
chr10	85978733	85979108	CDHR1	NM_001171971	17	17	17	198	515	23809	63,32	100
chr10	86004695	86004898	RGR	NM_002921	7	7	1	79	131	5384	26,39	65,8
chr10	86007278	86007460	RGR	NM_002921	7	7	2	157	530	23189	126,72	72,6
chr10	86008557	86008766	RGR	NM_002921	7	7	3	134	97	3903	18,59	75,4
chr10	86012514	86012720	RGR	NM_002921	7	7	4	154	1208	55389	267,58	70,1
chr10	86014055	86014231	RGR	NM_002921	7	7	5	118	2264	102080	576,72	100
chr10	86017668	86017877	RGR	NM_002921	7	7	6	114	930	37816	180,08	83,3
chr10	86018212	86018489	RGR	NM_002921	7	7	7	132	489	21882	78,71	100
chr10	95351686	95351892	RBP4	NM_006744	6	5	6	38	147	6627	32,01	100
chr10	95353636	95353857	RBP4	NM_006744	6	5	5	213	415	16905	76,15	73,7
chr10	95360078	95360767	RBP4	NM_006744	6	5	4,3,2	107.137.111	1500	71757	104	100.0,100.0,83.8
chr10	95372364	95372964	PDE6C	NM_006204	22	22	1	480	1195	56792	94,5	100
chr10	95380427	95380763	PDE6C	NM_006204	22	22	2,3	153,90	433	20291	60,21	75.2,100.0
chr10	95381682	95381888	PDE6C	NM_006204	22	22	4	141	840	34577	167,04	100
chr10	95385274	95385465	PDE6C	NM_006204	22	22	5	75	323	14092	73,4	100
chr10	95386378	95386649	PDE6C	NM_006204	22	22	6,7	65,67	367	16140	59,34	100.0,100.0
chr10	95388908	95389093	PDE6C	NM_006204	22	22	8	48	916	39824	214,11	100
chr10	95394501	95394680	PDE6C	NM_006204	22	22	9	150	165	7086	39,37	100
chr10	95395255	95395458	PDE6C	NM_006204	22	22	10	144	368	15344	75,22	99,3
chr10	95396613	95396813	PDE6C	NM_006204	22	22	11	69	226	9759	48,55	89,9
chr10	95399850	95400062	PDE6C	NM_006204	22	22	12	147	819	36374	170,77	84,4
chr10	95400148	95400372	PDE6C	NM_006204	22	22	13	108	394	17189	76,4	100
chr10	95400661	95400855	PDE6C	NM_006204	22	22	14	110	473	21938	112,5	100
chr10	95405657	95405848	PDE6C	NM_006204	22	22	15	88	280	11989	62,44	100
chr10	95415487	95415690	PDE6C	NM_006204	22	22	16	101	537	22935	112,43	100
chr10	95418629	95418915	PDE6C	NM_006204	22	22	17,18	108,64	387	17697	61,66	100.0,85.9
chr10	95421704	95421883	PDE6C	NM_006204	22	22	19	75	340	14134	78,52	90,7
chr10	95422240	95422416	PDE6C	NM_006204	22	22	20	84	177	8378	47,33	100
chr10	95422759	95422956	PDE6C	NM_006204	22	22	21	151	152	6143	31,03	100
chr10	95425034	95425335	PDE6C	NM_006204	22	22	22	59	219	9850	32,62	100
chr10	102777779	102777982	PDZD7	NM_024895	10	9	9	198	466	20147	98,76	64,1
chr10	102778493	102778939	PDZD7	NM_024895	10	9	8	396	121	5314	11,89	91,2
chr10	102780352	102780564	PDZD7	NM_024895	10	9	7	61	53	1964	9,22	100
chr10	102781459	102781674	PDZD7	NM_024895	10	9	6	148	990	42173	195,25	81,1
chr10	102781926	102782108	PDZD7	NM_024895	10	9	5	177	874	38193	208,7	80,8
chr10	102783107	102783319	PDZD7	NM_024895	10	9	4	175	124	5266	24,72	72,6
chr10	102783729	102783914	PDZD7	NM_024895	10	9	3	141	1289	55779	299,89	68,8
chr10	102789748	102790034	PDZD7	NM_024895	10	9	2	226	161	7067	24,62	100
chr10	126086640	126086760	OAT	NM_000274	10	9	10	161	100	4049	33,46	19,9
chr10	126089517	126089637	OAT	NM_000274	10	9	9	145	24	971	8,02	25,5
chr10	126090376	126090496	OAT	NM_000274	10	9	8	114	13	502	4,15	28,9
chr10	126091584	126091704	OAT	NM_000274	10	9	7	129	166	5736	47,4	31,8
chr10	126092399	126092572	OAT	NM_000274	10	9	6	123	302	12981	74,6	74
chr10	126093956	126094183	OAT	NM_000274	10	9	5	128	193	7925	34,76	100
chr10	126097165	126097617	OAT	NM_000274	10	9	4,3	96.225	385	18540	40,93	43.8,100.0

chr10	126100472	126100672	OAT	NM_000274	10	9	2	199	297	11478	57,1	65,8
chr11	12785719	12785937	TEAD1	NM_021961	13	11	3	202	505	19846	90,62	78,2
chr11	12883713	12883892	TEAD1	NM_021961	13	11	4	65	116	5114	28,41	100
chr11	12886387	12886590	TEAD1	NM_021961	13	11	5	63	201	8568	42	96,8
chr11	12901135	12901338	TEAD1	NM_021961	13	11	6	135	148	5841	28,63	62,2
chr11	12902423	12902611	TEAD1	NM_021961	13	11	7	47	290	12776	67,6	100
chr11	12903409	12903618	TEAD1	NM_021961	13	11	8	62	758	32094	152,83	100
chr11	12904524	12904751	TEAD1	NM_021961	13	11	9	125	803	36066	158,18	100
chr11	12923476	12923670	TEAD1	NM_021961	13	11	10	174	756	33229	170,41	100
chr11	12946422	12946634	TEAD1	NM_021961	13	11	11	141	463	20255	95,09	100
chr11	12951648	12951821	TEAD1	NM_021961	13	11	12	153	385	14866	85,44	66
chr11	12958686	12958883	TEAD1	NM_021961	13	11	13	114	679	25297	127,76	73,7
chr11	17518160	17518360	USH1C	NM_005709	21	21	20	56	196	8334	41,46	100
chr11	17519693	17519878	USH1C	NM_005709	21	21	19	110	995	43246	232,51	100
chr11	17522619	17522804	USH1C	NM_005709	21	21	18	100	140	5705	30,67	79
chr11	17522994	17523170	USH1C	NM_005709	21	21	17	54	154	6521	36,84	100
chr11	17523406	17523594	USH1C	NM_005709	21	21	16	42	357	14581	77,15	100
chr11	17538944	17539129	USH1C	NM_005709	21	21	15	74	157	7268	39,08	100
chr11	17542369	17542578	USH1C	NM_005709	21	21	14	125	2216	97561	464,58	100
chr11	17542894	17543076	USH1C	NM_005709	21	21	13	66	483	21111	115,36	98,5
chr11	17544257	17544427	USH1C	NM_005709	21	21	12	143	350	14653	85,69	67,8
chr11	17544796	17545076	USH1C	NM_005709	21	21	11,10	57,60	431	17407	61,95	33.3,100.0
chr11	17546002	17546196	USH1C	NM_005709	21	21	9	85	494	21524	110,38	95,3
chr11	17547912	17548109	USH1C	NM_005709	21	21	8	95	886	39412	199,05	81,1
chr11	17548243	17548416	USH1C	NM_005709	21	21	7	58	438	18938	108,84	100
chr11	17548695	17548954	USH1C	NM_005709	21	21	5	109	353	16959	65,23	100
chr11	17552734	17553159	USH1C	NM_005709	21	21	4,3	139.144	199	8784	20,62	76.3,100.0
chr11	17554743	17554993	USH1C	NM_005709	21	21	2	68	156	6998	27,88	100
chr11	17565726	17565929	USH1C	NM_005709	21	21	1	36	173	7030	34,46	100
chr11	46722449	46722634	ZNF408	NM_024741	5	5	1	52	210	8524	45,83	71,2
chr11	46722995	46723302	ZNF408	NM_024741	5	5	2	278	92	3752	12,18	83,5
chr11	46724121	46724336	ZNF408	NM_024741	5	5	3	62	1032	45009	208,38	100
chr11	46724598	46724878	ZNF408	NM_024741	5	5	4	260	160	6077	21,63	75,4
chr11	46725886	46727464	ZNF408	NM_024741	5	5	5	1511	2195	104010	65,87	100
chr11	61719309	61719482	BEST1	NM_004183	11	10	2	152	201	8397	48,26	80,3
chr11	61722540	61722710	BEST1	NM_004183	11	10	3	95	426	16981	99,3	100
chr11	61723178	61723443	BEST1	NM_004183	11	10	4	234	50	2041	7,67	100
chr11	61724295	61724486	BEST1	NM_004183	11	10	5	155	365	15928	82,96	100
chr11	61724812	61724985	BEST1	NM_004183	11	10	6	78	398	16984	97,61	100
chr11	61725559	61725901	BEST1	NM_004183	11	10	7	153	786	37890	110,47	100
chr11	61726897	61727476	BEST1	NM_004183	11	10	8,9	81.152	1350	64248	110,77	100.0,74.3
chr11	61729756	61730744	BEST1	NM_004183	11	10	10	639	4272	205983	208,27	95,5
chr11	61731448	61731781	BEST1	NM_004183	11	10	11	19	1088	50324	150,67	100
chr11	62380656	62381428	ROM1	NM_000327	3	3	1	590	980	43428	56,18	100
chr11	62381624	62382411	ROM1	NM_000327	3	3	2,3	247.219	2829	134200	170,3	100.0,100.0
chr11	66278115	66278324	BBS1	NM_024649	17	17	1	47	562	20477	97,51	100
chr11	66278367	66278804	BBS1	NM_024649	17	17	2,3	77,35	3762	174904	399,32	100.0,100.0
chr11	66281944	66282197	BBS1	NM_024649	17	17	4	273	1313	60446	237,98	75,5
chr11	66283014	66283451	BBS1	NM_024649	17	17	5,6,7	47,39,73	891	37436	85,47	93.6,100.0,100.0
chr11	66287101	66287328	BBS1	NM_024649	17	17	8	132	488	20317	89,11	90,2
chr11	66288726	66288935	BBS1	NM_024649	17	17	9	107	379	14955	71,21	100
chr11	66290844	66291314	BBS1	NM_024649	17	17	10,11	121.159	1956	86301	183,23	100.0,75.5
chr11	66293453	66293659	BBS1	NM_024649	17	17	12	70	661	29546	142,73	94,3
chr11	66294042	66294417	BBS1	NM_024649	17	17	13	159	1483	65250	173,54	100

chr11	66297313	66297528	BBS1	NM_024649	17	17	14	134	73	3074	14,23	82,8
chr11	66298340	66298528	BBS1	NM_024649	17	17	15	135	1348	51560	272,8	100
chr11	66299176	66299631	BBS1	NM_024649	17	17	16,17	87,87	158	6744	14,79	43.7,100.0
chr11	67222927	67223287	CABP4	NM_145200	6	6	1	366	138	6245	17,3	91,3
chr11	67223521	67223881	CABP4	NM_145200	6	6	2,3	31.144	384	16925	46,88	100.0,77.8
chr11	67224977	67225171	CABP4	NM_145200	6	6	4	110	180	7985	40,95	100
chr11	67225890	67226155	CABP4	NM_145200	6	6	5,6	148,29	509	23516	88,41	67.6,100.0
chr11	68080041	68080229	LRP5	NM_002335	23	23	1	91	0	0	0	51,6
chr11	68115367	68115807	LRP5	NM_002335	23	23	2	397	527	24815	56,27	86,9
chr11	68125041	68125241	LRP5	NM_002335	23	23	3	198	289	12622	62,8	62,6
chr11	68131248	68131427	LRP5	NM_002335	23	23	4	197	396	18522	102,9	83,2
chr11	68133061	68133267	LRP5	NM_002335	23	23	5	132	53	2318	11,2	83,3
chr11	68153806	68154237	LRP5	NM_002335	23	23	6	397	285	12681	29,35	94,5
chr11	68157397	68157609	LRP5	NM_002335	23	23	7	172	80	3343	15,69	72,1
chr11	68170867	68171123	LRP5	NM_002335	23	23	8	217	247	10963	42,66	79,7
chr11	68173936	68174204	LRP5	NM_002335	23	23	9	290	207	8608	32	73,4
chr11	68177315	68177616	LRP5	NM_002335	23	23	10	227	556	25793	85,41	100
chr11	68178904	68179086	LRP5	NM_002335	23	23	11	185	77	3252	17,77	98,9
chr11	68181141	68181486	LRP5	NM_002335	23	23	12	324	590	27182	78,56	100
chr11	68183726	68183944	LRP5	NM_002335	23	23	13	200	1432	58785	268,42	74,5
chr11	68190912	68191085	LRP5	NM_002335	23	23	14	209	271	12118	69,64	61,7
chr11	68192639	68192824	LRP5	NM_002335	23	23	15	191	132	5788	31,12	63,9
chr11	68193450	68193659	LRP5	NM_002335	23	23	16	210	304	13847	65,94	98,1
chr11	68196948	68197130	LRP5	NM_002335	23	23	17	126	400	17644	96,42	69,8
chr11	68200978	68201261	LRP5	NM_002335	23	23	18	237	112	4967	17,49	81
chr11	68204242	68204448	LRP5	NM_002335	23	23	19	111	365	14086	68,05	82,9
chr11	68205897	68206183	LRP5	NM_002335	23	23	20	237	227	8540	29,76	100
chr11	68207154	68207366	LRP5	NM_002335	23	23	21	140	84	3553	16,68	87,1
chr11	68213858	68214058	LRP5	NM_002335	23	23	22	98	351	15193	75,59	100
chr11	68216323	68216653	LRP5	NM_002335	23	23	23	262	400	18251	55,14	82,4
chr11	76795862	76796056	CAPN5	NM_004055	13	12	2	165	860	38939	199,69	75,2
chr11	76804750	76804968	CAPN5	NM_004055	13	12	3	132	125	5498	25,11	83,3
chr11	76823671	76823859	CAPN5	NM_004055	13	12	4	209	249	9659	51,11	82,8
chr11	76825253	76825441	CAPN5	NM_004055	13	12	5	193	469	21117	111,73	79,8
chr11	76826395	76826604	CAPN5	NM_004055	13	12	6	194	349	14754	70,26	84,5
chr11	76827195	76827365	CAPN5	NM_004055	13	12	7	78	55	2338	13,67	100
chr11	76829146	76829346	CAPN5	NM_004055	13	12	8	196	164	7135	35,5	73,5
chr11	76830018	76830197	CAPN5	NM_004055	13	12	9	123	262	10636	59,09	99,2
chr11	76831816	76832004	CAPN5	NM_004055	13	12	10	197	829	36099	191	71,1
chr11	76832862	76833092	CAPN5	NM_004055	13	12	11	116	1217	56382	244,08	97,4
chr11	76833544	76833738	CAPN5	NM_004055	13	12	12	137	358	15029	77,07	85,4
chr11	76834754	76834972	CAPN5	NM_004055	13	12	13	183	487	21357	97,52	89,1
chr11	76841599	76841805	MYO7A	NM_000260	49	48	2	18	1077	45083	217,79	100
chr11	76853518	76853801	MYO7A	NM_000260	49	48	3	114	361	16942	59,65	41,2
chr11	76858822	76859004	MYO7A	NM_000260	49	48	4	153	173	7697	42,06	100
chr11	76866992	76867195	MYO7A	NM_000260	49	48	5	185	292	12815	62,82	78,9
chr11	76867709	76868042	MYO7A	NM_000260	49	48	6,7	122.143	518	23891	71,53	97.5,94.4
chr11	76868221	76868433	MYO7A	NM_000260	49	48	8	114	286	12531	58,83	95,6
chr11	76869308	76869484	MYO7A	NM_000260	49	48	9	154	196	7776	43,93	100
chr11	76870487	76870705	MYO7A	NM_000260	49	48	10	77	518	24132	110,19	100
chr11	76871219	76871428	MYO7A	NM_000260	49	48	11	120	69	2952	14,06	91,7
chr11	76872040	76872249	MYO7A	NM_000260	49	48	12	143	756	32220	153,43	85,3
chr11	76873206	76873385	MYO7A	NM_000260	49	48	13	211	164	6234	34,63	81
chr11	76873917	76874138	MYO7A	NM_000260	49	48	14	136	2128	100134	451,05	86,8

chr11	76876985	76877191	MYO7A	NM_000260	49	48	15	107	183	7665	37,03	84,1
chr11	76883819	76884031	MYO7A	NM_000260	49	48	16	138	81	3656	17,16	81,9
chr11	76885837	76886037	MYO7A	NM_000260	49	48	17	159	153	6344	31,56	78
chr11	76886393	76886587	MYO7A	NM_000260	49	48	18	93	478	20883	107,09	100
chr11	76888601	76888813	MYO7A	NM_000260	49	48	19	95	710	28753	134,99	93,7
chr11	76890047	76890217	MYO7A	NM_000260	49	48	20	85	352	15022	87,85	100
chr11	76890723	76890944	MYO7A	NM_000260	49	48	21	219	47	1884	8,49	74,9
chr11	76891304	76891498	MYO7A	NM_000260	49	48	22	108	212	8007	41,06	73,1
chr11	76892457	76892651	MYO7A	NM_000260	49	48	23	210	227	9361	48,01	85,2
chr11	76892983	76893204	MYO7A	NM_000260	49	48	24	204	230	9471	42,66	100
chr11	76893492	76893674	MYO7A	NM_000260	49	48	25	177	218	8389	45,84	87
chr11	76894064	76894252	MYO7A	NM_000260	49	48	26	90	59	2528	13,38	100
chr11	76895595	76895946	MYO7A	NM_000260	49	48	27	128	761	32746	93,03	100
chr11	76900405	76900617	MYO7A	NM_000260	49	48	28	127	138	5764	27,06	87,4
chr11	76901099	76901299	MYO7A	NM_000260	49	48	29	120	173	6596	32,82	71,7
chr11	76901662	76901868	MYO7A	NM_000260	49	48	30	174	380	15308	73,95	73
chr11	76903117	76903415	MYO7A	NM_000260	49	48	31	228	208	9469	31,67	90,8
chr11	76905428	76905649	MYO7A	NM_000260	49	48	32	171	144	6185	27,86	83
chr11	76908433	76908624	MYO7A	NM_000260	49	48	33	118	356	15434	80,39	83,9
chr11	76909427	76909648	MYO7A	NM_000260	49	48	34	127	164	6595	29,71	85,8
chr11	76910650	76910918	MYO7A	NM_000260	49	48	35	284	440	20349	75,65	75,4
chr11	76912421	76912618	MYO7A	NM_000260	49	48	36	191	478	20097	101,5	66
chr11	76913354	76913560	MYO7A	NM_000260	49	48	37	125	330	14416	69,64	92,8
chr11	76914113	76914304	MYO7A	NM_000260	49	48	38	158	23	1010	5,26	94,9
chr11	76915075	76915272	MYO7A	NM_000260	49	48	39	154	319	13662	69	98,7
chr11	76916496	76916672	MYO7A	NM_000260	49	48	40	156	90	3818	21,57	100
chr11	76917127	76917327	MYO7A	NM_000260	49	48	41	106	237	10645	52,96	100
chr11	76918326	76918520	MYO7A	NM_000260	49	48	42	114	232	10267	52,65	100
chr11	76919424	76919784	MYO7A	NM_000260	49	48	43,44	88,107	177	7396	20,49	100,0,40,2
chr11	76922183	76922386	MYO7A	NM_000260	49	48	45	186	264	10410	51,03	100
chr11	76922862	76923044	MYO7A	NM_000260	49	48	46	117	148	6260	34,21	100
chr11	76923923	76924102	MYO7A	NM_000260	49	48	47	84	565	24768	137,6	100
chr11	76924933	76925115	MYO7A	NM_000260	49	48	48	120	680	27618	150,92	76,7
chr11	76925627	76925833	MYO7A	NM_000260	49	48	49	90	126	5776	27,9	100
chr11	85361275	85361484	TMEM126A	NM_032273	5	4	2	86	127	5483	26,11	100
chr11	85365087	85365296	TMEM126A	NM_032273	5	4	3	194	475	20257	96,46	97,9
chr11	85366591	85366788	TMEM126A	NM_032273	5	4	4	115	124	5081	25,66	100
chr11	85367397	85367585	TMEM126A	NM_032273	5	4	5	193	37	1609	8,51	77,2
chr11	86662077	86663563	FZD4	NM_012193	2	2	2	1329	6630	320144	215,3	100
chr11	86665821	86666243	FZD4	NM_012193	2	2	1	285	242	10370	24,52	100
chr11	117209308	117209481	CEP164	NM_001271933	32	31	2	82	972	41088	236,14	93,9
chr11	117214912	117215100	CEP164	NM_001271933	32	31	3	112	102	4362	23,08	73,2
chr11	117222429	117222656	CEP164	NM_001271933	32	31	4	199	296	13026	57,13	75,9
chr11	117232604	117232801	CEP164	NM_001271933	32	31	5	159	664	27235	137,55	66,7
chr11	117233146	117233349	CEP164	NM_001271933	32	31	6	135	50	2223	10,9	80,7
chr11	117234104	117234328	CEP164	NM_001271933	32	31	7	78	570	24871	110,54	100
chr11	117241732	117242172	CEP164	NM_001271933	32	31	8	387	675	32136	72,87	97,4
chr11	117244475	117244672	CEP164	NM_001271933	32	31	9	81	639	28036	141,6	90,1
chr11	117246290	117246499	CEP164	NM_001271933	32	31	10	84	540	24325	115,83	90,5
chr11	117251209	117251403	CEP164	NM_001271933	32	31	11	101	341	13742	70,47	73,3
chr11	117252472	117252672	CEP164	NM_001271933	32	31	12	168	98	3722	18,52	67,3
chr11	117253409	117253609	CEP164	NM_001271933	32	31	13	147	854	36997	184,06	66,7
chr11	117257803	117258086	CEP164	NM_001271933	32	31	14	210	391	17884	62,97	80
chr11	117261416	117261859	CEP164	NM_001271933	32	31	15,16	132,217	423	19532	43,99	100,0,66,8

chr11	117262949	117263140	CEP164	NM_001271933	32	31	17	78	321	12223	63,66	91
chr11	117263204	117263407	CEP164	NM_001271933	32	31	18	132	441	18346	89,93	100
chr11	117263680	117263865	CEP164	NM_001271933	32	31	19	123	144	6489	34,89	100
chr11	117264965	117265186	CEP164	NM_001271933	32	31	20	144	37	1441	6,49	84
chr11	117265580	117265845	CEP164	NM_001271933	32	31	21,22	84,69	321	15005	56,41	100.0,10.1
chr11	117266238	117266438	CEP164	NM_001271933	32	31	23	176	269	10980	54,63	100
chr11	117266747	117266917	CEP164	NM_001271933	32	31	24	127	254	10635	62,19	100
chr11	117267202	117267396	CEP164	NM_001271933	32	31	25	62	1069	48227	247,32	100
chr11	117267762	117268042	CEP164	NM_001271933	32	31	26	223	159	7009	24,94	100
chr11	117278522	117278725	CEP164	NM_001271933	32	31	27	108	143	5947	29,15	78,7
chr11	117279499	117279708	CEP164	NM_001271933	32	31	28	115	145	6320	30,1	89,6
chr11	117280322	117280851	CEP164	NM_001271933	32	31	29	348	4343	203379	383,73	100
chr11	117281404	117281616	CEP164	NM_001271933	32	31	30	67	245	9837	46,18	100
chr11	117282539	117282976	CEP164	NM_001271933	32	31	31,32	123,97	2381	113444	259	77.2,100.0
chr11	119210000	119210493	C1QTNF5	NM_015645	15	2	15	518	1263	58801	119,03	87,5
chr11	119210940	119211205	C1QTNF5	NM_015645	15	2	14	214	20	865	3,25	78,5
chr11	119212215	119212658	C1QTNF5	NM_015645	15	2	13,12	1.078.128	333	13487	30,38	24.9,71.9
chr11	119213298	119213735	C1QTNF5	NM_015645	15	2	11,10	132.131	745	34842	79,55	100.0,100.0
chr11	119214478	119214669	C1QTNF5	NM_015645	15	2	9	149	508	22568	117,54	96,6
chr11	119215037	119215222	C1QTNF5	NM_015645	15	2	8	77	152	5818	31,28	84,4
chr11	119215287	119215662	C1QTNF5	NM_015645	15	2	7,6	126.131	911	42654	113,44	100.0,60.3
chr11	119216066	119217312	C1QTNF5	NM_015645	15	2	5,4,3,2,1	214.156.114.103.214	1260	59075	47,37	100.0,100.0,100.0,100.0,66.8
chr12	1902685	1902855	CACNA2D4	NM_172364	38	38	38	105	156	6141	35,91	33,3
chr12	1904462	1904662	CACNA2D4	NM_172364	38	38	37	81	372	14576	72,52	100
chr12	1904821	1905030	CACNA2D4	NM_172364	38	38	36	115	190	7903	37,63	100
chr12	1906602	1906805	CACNA2D4	NM_172364	38	38	35	118	247	9566	46,89	84,7
chr12	1908816	1909019	CACNA2D4	NM_172364	38	38	34	21	458	17621	86,38	100
chr12	1909034	1909228	CACNA2D4	NM_172364	38	38	33	53	768	32518	166,76	100
chr12	1909444	1909653	CACNA2D4	NM_172364	38	38	32	53	544	24427	116,32	100
chr12	1910188	1910382	CACNA2D4	NM_172364	38	38	31	76	271	11716	60,08	100
chr12	1910695	1910916	CACNA2D4	NM_172364	38	38	30	71	343	14214	64,03	100
chr12	1919359	1919538	CACNA2D4	NM_172364	38	38	29	63	391	17041	94,67	100
chr12	1919699	1919887	CACNA2D4	NM_172364	38	38	28	45	226	9456	50,03	100
chr12	1920833	1921018	CACNA2D4	NM_172364	38	38	27	62	19	839	4,51	91,9
chr12	1949901	1950110	CACNA2D4	NM_172364	38	38	26	81	107	4377	20,84	100
chr12	1953591	1953803	CACNA2D4	NM_172364	38	38	25	128	743	29027	136,28	82
chr12	1955770	1955952	CACNA2D4	NM_172364	38	38	24	96	346	15086	82,44	89,6
chr12	1963138	1963335	CACNA2D4	NM_172364	38	38	23	94	2393	101422	512,23	77,7
chr12	1965231	1965407	CACNA2D4	NM_172364	38	38	22,21	98,46	988	41252	233,06	45.9,100.0
chr12	1967658	1967852	CACNA2D4	NM_172364	38	38	20	68	622	25597	131,27	100
chr12	1969181	1969366	CACNA2D4	NM_172364	38	38	19	62	936	39211	210,81	90,3
chr12	1983753	1983962	CACNA2D4	NM_172364	38	38	18	72	2289	102621	488,67	100
chr12	1984425	1984619	CACNA2D4	NM_172364	38	38	17	87	114	5100	26,15	90,8
chr12	1987374	1987568	CACNA2D4	NM_172364	38	38	16	75	627	27670	141,9	100
chr12	1988136	1988336	CACNA2D4	NM_172364	38	38	15	81	273	11802	58,72	82,7
chr12	1988839	1989048	CACNA2D4	NM_172364	38	38	14	78	230	10086	48,03	100
chr12	1991945	1992154	CACNA2D4	NM_172364	38	38	13	134	208	8813	41,97	91
chr12	1993386	1993565	CACNA2D4	NM_172364	38	38	12	79	1129	47245	262,47	100
chr12	1993952	1994330	CACNA2D4	NM_172364	38	38	11,10	114,90	854	39850	105,15	84.2,100.0
chr12	1995103	1995288	CACNA2D4	NM_172364	38	38	9	75	636	27092	145,66	100
chr12	1995336	1995548	CACNA2D4	NM_172364	38	38	8	151	286	12434	58,38	100
chr12	1996113	1996289	CACNA2D4	NM_172364	38	38	7	61	45	2036	11,5	100
chr12	2016610	2016795	CACNA2D4	NM_172364	38	38	6	132	371	15816	85,03	97
chr12	2017036	2017206	CACNA2D4	NM_172364	38	38	5	163	386	15548	90,92	100

chr12	2019076	2019273	CACNA2D4	NM_172364	38	38	4	60	48	1994	10,07	93,3
chr12	2022200	2022403	CACNA2D4	NM_172364	38	38	3	117	588	26034	127,62	90,6
chr12	2024032	2024211	CACNA2D4	NM_172364	38	38	2	82	269	10933	60,74	85,4
chr12	2027325	2027608	CACNA2D4	NM_172364	38	38	1	227	310	14389	50,67	86,3
chr12	15130988	15131161	PDE6H	NM_006205	4	3	2	134	165	6284	36,11	69,4
chr12	15131969	15132172	PDE6H	NM_006205	4	3	3	41	256	11019	54,01	100
chr12	15134334	15134546	PDE6H	NM_006205	4	3	4	77	582	25230	118,45	100
chr12	48367071	48367357	COL2A1	NM_001844	54	54	54	147	1217	54206	188,87	100
chr12	48367909	48368198	COL2A1	NM_001844	54	54	53	243	836	36217	124,89	84,8
chr12	48368394	48368594	COL2A1	NM_001844	54	54	52	188	1117	49819	247,86	72,9
chr12	48369037	48369314	COL2A1	NM_001844	54	54	51	289	207	9072	32,63	74,4
chr12	48369624	48369824	COL2A1	NM_001844	54	54	50	108	319	13937	69,34	73,1
chr12	48370286	48370471	COL2A1	NM_001844	54	54	49	54	510	21105	113,47	100
chr12	48370616	48371474	COL2A1	NM_001844	54	54	48,47,46,45	108,54,108,54	1753	83282	96,95	80,6,100,0,100,0,100,0
chr12	48371823	48372260	COL2A1	NM_001844	54	54	44,43	108,108	366	16889	38,56	72,2,100,0
chr12	48372435	48372611	COL2A1	NM_001844	54	54	42	162	119	5517	31,17	66
chr12	48373289	48373468	COL2A1	NM_001844	54	54	41	54	44	1860	10,33	100
chr12	48373772	48373966	COL2A1	NM_001844	54	54	40	54	211	9343	47,91	100
chr12	48374353	48374764	COL2A1	NM_001844	54	54	39,38	108,54	259	12249	29,73	85,2,100,0
chr12	48375097	48375267	COL2A1	NM_001844	54	54	37	54	22	971	5,68	100
chr12	48375425	48375610	COL2A1	NM_001844	54	54	36	54	134	5013	26,95	96,3
chr12	48375844	48376071	COL2A1	NM_001844	54	54	35	54	330	15030	65,92	100
chr12	48376163	48376363	COL2A1	NM_001844	54	54	34	108	151	6521	32,44	73,1
chr12	48376701	48376981	COL2A1	NM_001844	54	54	33,32	99,45	141	5998	21,35	29,3,100,0
chr12	48377070	48377252	COL2A1	NM_001844	54	54	31	54	430	18803	102,75	100
chr12	48377461	48377649	COL2A1	NM_001844	54	54	30	54	50	2275	12,04	100
chr12	48377859	48378044	COL2A1	NM_001844	54	54	29	54	479	17596	94,6	100
chr12	48378315	48378524	COL2A1	NM_001844	54	54	28	54	265	11497	54,75	100
chr12	48378669	48378863	COL2A1	NM_001844	54	54	27	99	808	36289	186,1	86,9
chr12	48379282	48379728	COL2A1	NM_001844	54	54	26,25,24	54,99,54	659	29492	65,98	100,0,100,0,63,0
chr12	48380009	48380200	COL2A1	NM_001844	54	54	23	108	2172	95990	499,95	75,9
chr12	48380559	48380747	COL2A1	NM_001844	54	54	22	54	473	20100	106,35	100
chr12	48380856	48381145	COL2A1	NM_001844	54	54	21,20	99,45	745	31775	109,57	100,0,100,0
chr12	48381411	48381605	COL2A1	NM_001844	54	54	19	99	136	6265	32,13	82,8
chr12	48382988	48383206	COL2A1	NM_001844	54	54	18	54	969	39273	179,33	100
chr12	48383390	48383605	COL2A1	NM_001844	54	54	17	45	298	13194	61,08	100
chr12	48386536	48386712	COL2A1	NM_001844	54	54	16	54	141	4955	27,99	96,3
chr12	48387108	48387305	COL2A1	NM_001844	54	54	15	45	357	15594	78,76	100
chr12	48387609	48387886	COL2A1	NM_001844	54	54	14,13	54,54	2623	119453	429,69	68,5,100,0
chr12	48388058	48388282	COL2A1	NM_001844	54	54	12	54	310	11861	52,72	100
chr12	48389009	48389200	COL2A1	NM_001844	54	54	11	54	139	6024	31,38	100
chr12	48389482	48389667	COL2A1	NM_001844	54	54	10,9	54,45	329	13850	74,46	100,0,22,2
chr12	48390323	48390541	COL2A1	NM_001844	54	54	8	78	659	29747	135,83	100
chr12	48391449	48392043	COL2A1	NM_001844	54	54	7,6,5,4	102,54,33,33	1002	46288	77,79	41,2,100,0,100,0,100,0
chr12	48392174	48392359	COL2A1	NM_001844	54	54	3	17	259	12012	64,58	100
chr12	48393659	48393874	COL2A1	NM_001844	54	54	2	207	218	9260	42,87	83,6
chr12	48397958	48398217	COL2A1	NM_001844	54	54	1	85	58	2579	9,92	100
chr12	56115006	56115378	RDH5	NM_002905	5	4	2	310	219	9235	24,76	88,1
chr12	56115393	56115679	RDH5	NM_002905	5	4	3	259	361	16237	56,57	79,9
chr12	56117585	56117782	RDH5	NM_002905	5	4	4	164	899	37244	188,1	68,9
chr12	56118125	56118432	RDH5	NM_002905	5	4	5	224	1522	67548	219,31	91,5
chr12	76739517	76741643	BBS10	NM_024685	2	2	2	1975	4096	196841	92,54	100
chr12	76741918	76742222	BBS10	NM_024685	2	2	1	197	170	7140	23,41	100
chr12	88443010	88443290	CEP290	NM_025114	54	53	54	231	59	2763	9,83	78,8

chr12	88444136	88444342	CEP290	NM_025114	54	53	53	80	437	18507	89,41	93,8
chr12	88447348	88447545	CEP290	NM_025114	54	53	52	95	331	12973	65,52	100
chr12	88448065	88448244	CEP290	NM_025114	54	53	51	74	752	31296	173,87	100
chr12	88449323	88449508	CEP290	NM_025114	54	53	50	142	259	10789	58,01	100
chr12	88452580	88452774	CEP290	NM_025114	54	53	49	173	1238	53092	272,27	86,7
chr12	88453656	88453850	CEP290	NM_025114	54	53	48	123	285	11817	60,6	100
chr12	88454660	88454848	CEP290	NM_025114	54	53	47	165	63	2704	14,31	67,9
chr12	88456363	88456536	CEP290	NM_025114	54	53	46	87	260	11009	63,27	78,2
chr12	88457766	88457957	CEP290	NM_025114	54	53	45	135	235	9616	50,08	94,1
chr12	88462302	88462478	CEP290	NM_025114	54	53	44	124	357	15638	88,35	97,6
chr12	88465063	88465239	CEP290	NM_025114	54	53	43	156	610	26072	147,3	100
chr12	88465542	88465724	CEP290	NM_025114	54	53	42	146	142	5914	32,32	100
chr12	88470932	88471123	CEP290	NM_025114	54	53	41	123	317	14208	74	100
chr12	88471420	88471694	CEP290	NM_025114	54	53	40	222	378	17021	61,89	99,5
chr12	88472846	88473031	CEP290	NM_025114	54	53	39	138	196	7433	39,96	100
chr12	88473944	88474132	CEP290	NM_025114	54	53	38	214	363	15911	84,19	81,3
chr12	88476846	88477022	CEP290	NM_025114	54	53	37	200	332	13210	74,63	81
chr12	88477517	88477732	CEP290	NM_025114	54	53	36	108	145	6283	29,09	100
chr12	88478361	88478620	CEP290	NM_025114	54	53	35	267	497	22215	85,44	96,6
chr12	88479809	88480003	CEP290	NM_025114	54	53	34	135	114	4623	23,71	100
chr12	88480136	88480318	CEP290	NM_025114	54	53	33	108	299	12559	68,63	100
chr12	88481568	88481759	CEP290	NM_025114	54	53	32	165	109	4360	22,71	93,3
chr12	88482891	88483301	CEP290	NM_025114	54	53	31	456	972	44812	109,03	82
chr12	88484427	88484624	CEP290	NM_025114	54	53	30	112	254	10691	53,99	100
chr12	88486433	88486627	CEP290	NM_025114	54	53	29	152	850	37684	193,25	100
chr12	88487558	88487746	CEP290	NM_025114	54	53	28	206	754	31454	166,42	91,7
chr12	88490659	88490844	CEP290	NM_025114	54	53	27	112	175	7340	39,46	100
chr12	88496613	88496789	CEP290	NM_025114	54	53	26	174	62	2313	13,07	100
chr12	88500383	88500835	CEP290	NM_025114	54	53	25,24	231.103	728	34756	76,72	100,0,61,2
chr12	88502731	88502943	CEP290	NM_025114	54	53	23	116	83	3497	16,42	87,1
chr12	88505013	88505213	CEP290	NM_025114	54	53	22	150	175	6728	33,47	77,3
chr12	88505461	88505646	CEP290	NM_025114	54	53	21	165	501	20171	108,45	100
chr12	88508146	88508328	CEP290	NM_025114	54	53	20	143	302	12822	70,07	92,3
chr12	88508789	88508977	CEP290	NM_025114	54	53	19	85	126	5239	27,72	100
chr12	88510804	88510983	CEP290	NM_025114	54	53	18	113	128	5184	28,8	100
chr12	88512237	88512529	CEP290	NM_025114	54	53	17,16	88.101	707	31417	107,23	100,0,100,0
chr12	88513826	88514002	CEP290	NM_025114	54	53	15	163	211	8281	46,79	68,7
chr12	88514749	88514955	CEP290	NM_025114	54	53	14	170	919	40421	195,27	100
chr12	88519020	88519217	CEP290	NM_025114	54	53	13	124	164	7313	36,93	100
chr12	88519987	88520178	CEP290	NM_025114	54	53	12	123	513	22867	119,1	69,9
chr12	88522703	88522882	CEP290	NM_025114	54	53	11	90	359	15747	87,48	100
chr12	88523470	88523646	CEP290	NM_025114	54	53	10	183	374	14395	81,33	96,2
chr12	88524005	88524276	CEP290	NM_025114	54	53	9	153	694	32167	118,26	100
chr12	88524808	88524999	CEP290	NM_025114	54	53	7	54	184	7788	40,56	100
chr12	88530370	88530561	CEP290	NM_025114	54	53	6	144	515	21152	110,17	98,6
chr12	88532820	88533014	CEP290	NM_025114	54	53	5	47	166	6304	32,33	100
chr12	88533215	88533397	CEP290	NM_025114	54	53	4	70	178	7977	43,59	100
chr12	88534785	88535139	CEP290	NM_025114	54	53	3,2	78.102	319	14619	41,18	33,3,100,0
chr12	110012497	110012700	MVK	NM_000431	11	10	2	78	671	28988	142,1	93,6
chr12	110013716	110013901	MVK	NM_000431	11	10	3	148	505	22427	120,58	66,9
chr12	110017506	110017727	MVK	NM_000431	11	10	4	145	744	33124	149,21	83,4
chr12	110019252	110019437	MVK	NM_000431	11	10	5	156	426	19031	102,32	66,7
chr12	110023850	110024038	MVK	NM_000431	11	10	6	104	215	9706	51,35	77,9
chr12	110024436	110024612	MVK	NM_000431	11	10	7	46	156	6808	38,46	100

chr12	110028583	110028768	MVK	NM_000431	11	10	8	91	432	18141	97,53	92,3
chr12	110029072	110029275	MVK	NM_000431	11	10	9	117	381	15361	75,3	77,8
chr12	110032746	110032937	MVK	NM_000431	11	10	10	154	355	14426	75,14	68,2
chr12	110034155	110034352	MVK	NM_000431	11	10	11	152	146	6425	32,45	80,3
chr13	114321700	114322445	GRK1	NM_002929	7	7	1	699	752	36385	48,77	100
chr13	114323934	114324134	GRK1	NM_002929	7	7	2	128	932	41939	208,65	100
chr13	114325727	114325930	GRK1	NM_002929	7	7	3	158	348	14596	71,55	74,1
chr13	114426033	114426248	GRK1	NM_002929	7	7	4	84	126	4325	20,02	100
chr13	114434159	114434344	GRK1	NM_002929	7	7	5	125	322	14200	76,34	100
chr13	114435800	114435994	GRK1	NM_002929	7	7	6	202	385	16727	85,78	68,3
chr13	114437994	114438256	GRK1	NM_002929	7	7	7	296	503	23044	87,62	73
chr14	21756014	21756202	RPGRIP1	NM_020366	24	24	1	85	318	14513	76,79	78,8
chr14	21762774	21762956	RPGRIP1	NM_020366	24	24	2	133	72	3077	16,81	91
chr14	21769047	21769348	RPGRIP1	NM_020366	24	24	3	272	335	13116	43,43	82,4
chr14	21770669	21770854	RPGRIP1	NM_020366	24	24	4	97	638	25174	135,34	77,3
chr14	21771468	21771665	RPGRIP1	NM_020366	24	24	5	213	185	8117	40,99	82,6
chr14	21775796	21776005	RPGRIP1	NM_020366	24	24	6	106	205	9129	43,47	100
chr14	21778728	21778904	RPGRIP1	NM_020366	24	24	7	24	211	9008	50,89	100
chr14	21780030	21780203	RPGRIP1	NM_020366	24	24	8	147	186	7570	43,51	68
chr14	21780512	21780694	RPGRIP1	NM_020366	24	24	9	74	202	9110	49,78	100
chr14	21785681	21785988	RPGRIP1	NM_020366	24	24	10	155	356	15861	51,5	86,5
chr14	21788104	21788280	RPGRIP1	NM_020366	24	24	11	161	254	9888	55,86	65,2
chr14	21789364	21789549	RPGRIP1	NM_020366	24	24	12	144	387	16655	89,54	91,7
chr14	21789969	21790148	RPGRIP1	NM_020366	24	24	13	151	64	3002	16,68	90,1
chr14	21792718	21793484	RPGRIP1	NM_020366	24	24	14,15	453.152	3713	176268	229,81	100,0,61.8
chr14	21794046	21794415	RPGRIP1	NM_020366	24	24	16	343	4330	191356	517,18	83,7
chr14	21795740	21795940	RPGRIP1	NM_020366	24	24	17	185	363	14944	74,35	85,9
chr14	21796649	21796840	RPGRIP1	NM_020366	24	24	18	204	284	11295	58,83	67,6
chr14	21798376	21798564	RPGRIP1	NM_020366	24	24	19	139	405	18303	96,84	100
chr14	21802713	21802910	RPGRIP1	NM_020366	24	24	20	101	352	16104	81,33	100
chr14	21811118	21811315	RPGRIP1	NM_020366	24	24	21	193	484	21450	108,33	62,7
chr14	21813222	21813425	RPGRIP1	NM_020366	24	24	22	85	321	12742	62,46	100
chr14	21816328	21816510	RPGRIP1	NM_020366	24	24	23	131	150	6203	33,9	100
chr14	21819203	21819424	RPGRIP1	NM_020366	24	24	24	113	771	34145	153,81	100
chr14	24550355	24550742	NRL	NM_006177	3	2	3	333	225	10252	26,42	89,5
chr14	24551662	24552099	NRL	NM_006177	3	2	2	381	379	16747	38,24	100
chr14	57268370	57269115	OTX2	NM_021728	5	3	5	621	3058	147186	197,3	100
chr14	57270842	57271033	OTX2	NM_021728	5	3	4	176	741	32502	169,28	72,7
chr14	57272069	57272239	OTX2	NM_021728	5	3	3	97	659	28048	164,02	100
chr14	68189347	68189538	RDH12	NM_152443	9	7	3	68	21	922	4,8	100
chr14	68191082	68191282	RDH12	NM_152443	9	7	4	119	412	16983	84,49	78,2
chr14	68191742	68191942	RDH12	NM_152443	9	7	5	156	240	10143	50,46	81,4
chr14	68192779	68192991	RDH12	NM_152443	9	7	6	105	228	9975	46,83	89,5
chr14	68193762	68193959	RDH12	NM_152443	9	7	7	210	434	18149	91,66	69,5
chr14	68195827	68196042	RDH12	NM_152443	9	7	8	190	47	2119	9,81	71,1
chr14	68200362	68200538	RDH12	NM_152443	9	7	9	103	401	16384	92,56	73,8
chr14	88852014	88852226	SPATA7	NM_018418	12	12	1	19	105	4387	20,6	100
chr14	88857692	88857877	SPATA7	NM_018418	12	12	2	75	52	1951	10,49	100
chr14	88859729	88859899	SPATA7	NM_018418	12	12	3	96	99	4180	24,44	100
chr14	88862402	88862581	SPATA7	NM_018418	12	12	4	48	78	3247	18,04	100
chr14	88882985	88883179	SPATA7	NM_018418	12	12	5	134	26	1003	5,14	93,3
chr14	88892536	88893041	SPATA7	NM_018418	12	12	6	473	1577	74887	148	98,5
chr14	88893983	88894189	SPATA7	NM_018418	12	12	7	67	82	3494	16,88	86,6
chr14	88895676	88895867	SPATA7	NM_018418	12	12	8	116	484	20548	107,02	100

chr14	88897448	88897633	SPATA7	NM_018418	12	12	9	54	766	33870	182,1	100
chr14	88899402	88899581	SPATA7	NM_018418	12	12	10	78	228	9655	53,64	100
chr14	88903792	88903968	SPATA7	NM_018418	12	12	11	55	135	6100	34,46	100
chr14	88904194	88904794	SPATA7	NM_018418	12	12	12	585	1200	56742	94,41	97,9
chr14	89291047	89291232	TTC8	NM_144596	15	15	1	114	191	7704	41,42	100
chr14	89299948	89300136	TTC8	NM_144596	15	15	2	30	278	12036	63,68	100
chr14	89305794	89305982	TTC8	NM_144596	15	15	3	121	162	7270	38,47	100
chr14	89307143	89307482	TTC8	NM_144596	15	15	4,5	64.160	1492	71010	208,85	100,0,63.7
chr14	89307679	89307864	TTC8	NM_144596	15	15	6	90	149	5922	31,84	100
chr14	89310041	89310250	TTC8	NM_144596	15	15	7	45	124	5464	26,02	100
chr14	89319299	89319484	TTC8	NM_144596	15	15	8	86	365	14926	80,25	100
chr14	89323498	89323695	TTC8	NM_144596	15	15	9	88	356	15740	79,49	100
chr14	89327532	89327705	TTC8	NM_144596	15	15	10	111	298	12692	72,94	100
chr14	89336411	89336596	TTC8	NM_144596	15	15	11	140	994	40386	217,13	94,3
chr14	89337831	89338025	TTC8	NM_144596	15	15	12	175	299	13020	66,77	76
chr14	89338559	89338768	TTC8	NM_144596	15	15	13	123	643	27176	129,41	77,2
chr14	89341290	89341484	TTC8	NM_144596	15	15	14	84	135	6228	31,94	100
chr14	89343604	89343783	TTC8	NM_144596	15	15	15	117	120	4166	23,14	100
chr15	31293946	31295349	TRPM1	NM_002420	27	26	27	1249	6309	306504	218,31	100
chr15	31318370	31318564	TRPM1	NM_002420	27	26	26	133	147	6171	31,65	78,9
chr15	31319148	31319342	TRPM1	NM_002420	27	26	25	203	186	7865	40,33	85,2
chr15	31320491	31320721	TRPM1	NM_002420	27	26	24	145	204	8959	38,78	100
chr15	31321528	31321701	TRPM1	NM_002420	27	26	23	21	589	25059	144,02	100
chr15	31323103	31323297	TRPM1	NM_002420	27	26	22	175	671	30946	158,7	64
chr15	31324940	31325214	TRPM1	NM_002420	27	26	21	252	1330	60120	218,62	81
chr15	31327778	31327972	TRPM1	NM_002420	27	26	20	129	247	9211	47,24	77,5
chr15	31329831	31330004	TRPM1	NM_002420	27	26	19	132	135	5725	32,9	68,9
chr15	31330234	31330431	TRPM1	NM_002420	27	26	18	123	159	6466	32,66	100
chr15	31332363	31332631	TRPM1	NM_002420	27	26	17	229	1414	62161	231,08	81,7
chr15	31334225	31334499	TRPM1	NM_002420	27	26	16	293	309	13690	49,78	75,8
chr15	31338336	31338527	TRPM1	NM_002420	27	26	15	30	315	14233	74,13	100
chr15	31339238	31339438	TRPM1	NM_002420	27	26	14	141	993	42178	209,84	88,7
chr15	31339971	31340153	TRPM1	NM_002420	27	26	13	51	357	13018	71,14	100
chr15	31341559	31341729	TRPM1	NM_002420	27	26	12	135	184	6993	40,89	100
chr15	31342580	31342759	TRPM1	NM_002420	27	26	11	174	2593	115035	639,08	85,1
chr15	31352651	31352881	TRPM1	NM_002420	27	26	10	101	440	19008	82,29	100
chr15	31353652	31353828	TRPM1	NM_002420	27	26	9	73	319	13921	78,65	90,4
chr15	31354686	31354892	TRPM1	NM_002420	27	26	8	124	450	19626	94,81	89,5
chr15	31355232	31355447	TRPM1	NM_002420	27	26	7	175	1357	56967	263,74	72,6
chr15	31358339	31358530	TRPM1	NM_002420	27	26	6	172	97	4192	21,83	65,1
chr15	31359215	31359430	TRPM1	NM_002420	27	26	5	125	760	34242	158,53	100
chr15	31360142	31360354	TRPM1	NM_002420	27	26	4	214	263	10950	51,41	72
chr15	31362004	31362465	TRPM1	NM_002420	27	26	3	196	1977	96574	209,03	100
chr15	31369109	31369306	TRPM1	NM_002420	27	26	2	17	738	29887	150,94	94,1
chr15	65916447	65918321	SLC24A1	NM_004727	10	9	2	1890	8225	398303	212,43	98,5
chr15	65930326	65930517	SLC24A1	NM_004727	10	9	3	54	304	12664	65,96	96,3
chr15	65931952	65932161	SLC24A1	NM_004727	10	9	4	109	814	34661	165,05	82,6
chr15	65936647	65936844	SLC24A1	NM_004727	10	9	5	87	769	33253	167,94	92
chr15	65937829	65938029	SLC24A1	NM_004727	10	9	6	92	2002	91282	454,14	87
chr15	65942639	65943064	SLC24A1	NM_004727	10	9	7	561	151	7098	16,66	61,5
chr15	65943131	65943251	SLC24A1	NM_004727	10	9	7	561	292	9554	78,96	21,6
chr15	65943962	65944141	SLC24A1	NM_004727	10	9	8	90	372	16194	89,97	100
chr15	65945019	65945237	SLC24A1	NM_004727	10	9	9	167	642	27691	126,44	76,6
chr15	65946125	65946414	SLC24A1	NM_004727	10	9	10	250	897	38920	134,21	98,8

chr15	72102990	72103178	NR2E3	NM_014249	9	9	1	118	149	6416	33,95	80,5
chr15	72103835	72104897	NR2E3	NM_014249	9	9	2,3,4,5	127.104.222.176	2083	100632	94,67	90,6,100,0,100,0,100,0
chr15	72105780	72106057	NR2E3	NM_014249	9	9	6,7	200,47	1213	53862	193,75	74,5,100,0
chr15	72106366	72106578	NR2E3	NM_014249	9	9	8	106	1168	44786	210,26	87,7
chr15	72109900	72110088	NR2E3	NM_014249	9	9	9	133	135	5530	29,26	94,7
chr15	72978385	72978615	BBS4	NM_033028	16	16	1	24	1185	49082	212,48	100
chr15	72987175	72987615	BBS4	NM_033028	16	16	2	52	637	30695	69,6	100
chr15	73001968	73002183	BBS4	NM_033028	16	16	3	80	205	8626	39,94	100
chr15	73004516	73004719	BBS4	NM_033028	16	16	4	64	173	7471	36,62	100
chr15	73007533	73007727	BBS4	NM_033028	16	16	5	112	254	9800	50,26	85,7
chr15	73008979	73009203	BBS4	NM_033028	16	16	6	73	315	14326	63,67	100
chr15	73015034	73015237	BBS4	NM_033028	16	16	7	54	206	9196	45,08	100
chr15	73016829	73017038	BBS4	NM_033028	16	16	8	128	142	6420	30,57	100
chr15	73020207	73020416	BBS4	NM_033028	16	16	9	55	619	28535	135,88	100
chr15	73021944	73022156	BBS4	NM_033028	16	16	10	69	372	15307	71,86	100
chr15	73023705	73024142	BBS4	NM_033028	16	16	11,12	153.172	1070	50267	114,76	61,4,100,0
chr15	73027365	73027550	BBS4	NM_033028	16	16	13	70	90	3988	21,44	100
chr15	73028202	73028393	BBS4	NM_033028	16	16	14	142	325	11598	60,41	74,6
chr15	73029070	73029276	BBS4	NM_033028	16	16	15	202	664	25972	125,47	86,1
chr15	73029879	73030067	BBS4	NM_033028	16	16	16	110	227	10061	53,23	45,5
chr15	78397472	78397687	CIB2	NM_001271888	5	4	5	22	131	5582	25,84	100
chr15	78398065	78398348	CIB2	NM_001271888	5	4	4	196	1081	51641	181,83	100
chr15	78401544	78401747	CIB2	NM_001271888	5	4	3	148	1036	42232	207,02	100
chr15	78403519	78403719	CIB2	NM_001271888	5	4	2	69	230	9673	48,12	82,6
chr15	78423442	78423719	CIB2	NM_001271888	5	4	1	371	4	175	0,63	57,4
chr15	89753419	89753628	RLBP1	NM_000326	9	7	9	159	208	9142	43,53	71,1
chr15	89753893	89754072	RLBP1	NM_000326	9	7	8	111	281	12113	67,29	100
chr15	89755015	89755227	RLBP1	NM_000326	9	7	7	159	408	17632	82,78	74,2
chr15	89758222	89758404	RLBP1	NM_000326	9	7	6	179	736	31783	173,68	63,7
chr15	89760397	89760627	RLBP1	NM_000326	9	7	5	205	169	7668	33,19	77,6
chr15	89761834	89762031	RLBP1	NM_000326	9	7	4	129	348	13427	67,81	70,5
chr15	89762145	89762369	RLBP1	NM_000326	9	7	3	12	215	9405	41,8	100
chr16	1401413	1402330	GNPTG	NM_032520	11	11	1,2,3	52,58,68	43	1959	2,13	100,0,100,0,100,0
chr16	1411662	1413154	GNPTG	NM_032520	11	11	4,5,6,7,8,9,10,11	55,84,94,115,83,132,82,95	2184	103115	69,07	100,0,100,0,100,0,100,0,100,0,100,0
chr16	4382212	4382400	GLIS2	NM_032575	6	6	1	172	104	4225	22,35	69,2
chr16	4383276	4383470	GLIS2	NM_032575	6	6	2	173	443	19543	100,22	71,1
chr16	4384803	4385397	GLIS2	NM_032575	6	6	3,4,5	177.134.119	821	38103	64,04	99,4,100,0,100,0
chr16	4386646	4387625	GLIS2	NM_032575	6	6	6	800	682	32679	33,35	100
chr16	16243855	16244076	ABCC6	NM_001171	31	31	31	109	240	9753	43,93	79,8
chr16	16244464	16244667	ABCC6	NM_001171	31	31	30	195	204	8514	41,74	85,1
chr16	16248502	16249111	ABCC6	NM_001171	31	31	29,28	167.159	517	23249	38,11	89,8,100,0
chr16	16251423	16251617	ABCC6	NM_001171	31	31	27	147	143	6116	31,36	66,7
chr16	16253334	16253522	ABCC6	NM_001171	31	31	26	102	117	4996	26,43	100
chr16	16255308	16255520	ABCC6	NM_001171	31	31	25	127	135	5519	25,91	89,8
chr16	16256774	16256989	ABCC6	NM_001171	31	31	24	200	1252	55401	256,49	70
chr16	16259395	16259743	ABCC6	NM_001171	31	31	23	311	630	29589	84,78	84,9
chr16	16263536	16263730	ABCC6	NM_001171	31	31	22	208	18	617	3,16	84,1
chr16	16267175	16267357	ABCC6	NM_001171	31	31	21	121	422	17517	95,72	71,9
chr16	16269774	16269956	ABCC6	NM_001171	31	31	20	76	1401	59602	325,69	92,1
chr16	16271283	16271486	ABCC6	NM_001171	31	31	19	175	494	21288	104,35	100
chr16	16272575	16272772	ABCC6	NM_001171	31	31	18	168	411	17766	89,73	70,2
chr16	16276184	16276396	ABCC6	NM_001171	31	31	17	177	1038	45305	212,7	72,3
chr16	16276698	16276895	ABCC6	NM_001171	31	31	16	127	168	7139	36,06	70,9
chr16	16278693	16278884	ABCC6	NM_001171	31	31	15	76	346	13854	72,16	90,8

chr16	16280993	16281187	ABCC6	NM_001171	31	31	14	88	61	2616	13,42	86,4
chr16	16282671	16282850	ABCC6	NM_001171	31	31	13	144	220	9112	50,62	100
chr16	16284097	16284276	ABCC6	NM_001171	31	31	12	204	302	13183	73,24	62,7
chr16	16286614	16286790	ABCC6	NM_001171	31	31	11	93	120	5111	28,88	100
chr16	16291795	16291995	ABCC6	NM_001171	31	31	10	162	177	7328	36,46	72,8
chr16	28488741	28489169	CLN3	NM_001042432	16	15	16,15	120.141	391	17369	40,49	100.0,79.4
chr16	28493445	28494042	CLN3	NM_001042432	16	15	14,13,12,11	94,56,69,47	1083	50641	84,68	79.8,100.0,100.0,100.0
chr16	28495351	28495548	CLN3	NM_001042432	16	15	10	113	206	8552	43,19	78,8
chr16	28497687	28498065	CLN3	NM_001042432	16	15	9,8	144,73	807	36381	95,99	86.8,100.0
chr16	28498719	28499011	CLN3	NM_001042432	16	15	7,6	86,80	635	26443	90,25	100.0,36.2
chr16	28499916	28500104	CLN3	NM_001042432	16	15	5	72	422	18247	96,54	94,4
chr16	28500576	28500788	CLN3	NM_001042432	16	15	4	97	403	18268	85,77	100
chr16	28502824	28503190	CLN3	NM_001042432	16	15	3,2	79,46	263	12064	32,87	73.4,100.0
chr16	49525172	49525354	ZNF423	NM_015069	8	8	8	30	914	37068	202,56	100
chr16	49557537	49557731	ZNF423	NM_015069	8	8	7	116	221	9169	47,02	98,3
chr16	49559179	49559385	ZNF423	NM_015069	8	8	6	132	301	13362	64,55	84,8
chr16	49660076	49660273	ZNF423	NM_015069	8	8	5	85	62	2645	13,36	100
chr16	49669563	49672812	ZNF423	NM_015069	8	8	4	3215	8377	398362	122,57	100
chr16	49764756	49764947	ZNF423	NM_015069	8	8	3	201	2263	99370	517,55	63,2
chr16	49823390	49823572	ZNF423	NM_015069	8	8	2	60	236	10686	58,39	100
chr16	49856557	49856745	ZNF423	NM_015069	8	8	1	16	158	6899	36,5	100
chr16	53636015	53636191	RPGRIP1L	NM_015272	27	26	27	113	207	8834	49,91	76,1
chr16	53639264	53639452	RPGRIP1L	NM_015272	27	26	26	134	303	12858	68,03	44,8
chr16	53644760	53644966	RPGRIP1L	NM_015272	27	26	25	85	660	30554	147,6	100
chr16	53652895	53653113	RPGRIP1L	NM_015272	27	26	24	184	321	13858	63,28	96,2
chr16	53656254	53656374	RPGRIP1L	NM_015272	27	26	23	138	17	541	4,47	10,9
chr16	53670296	53670484	RPGRIP1L	NM_015272	27	26	22	74	257	10946	57,92	100
chr16	53671592	53671786	RPGRIP1L	NM_015272	27	26	21	160	970	41097	210,75	100
chr16	53672205	53672390	RPGRIP1L	NM_015272	27	26	20	102	360	16316	87,72	100
chr16	53674954	53675373	RPGRIP1L	NM_015272	27	26	19,18	84.191	597	27365	65,15	89.3,92.7
chr16	53679529	53679978	RPGRIP1L	NM_015272	27	26	17	379	655	31125	69,17	100
chr16	53682845	53683054	RPGRIP1L	NM_015272	27	26	16	152	87	3590	17,1	100
chr16	53686449	53686904	RPGRIP1L	NM_015272	27	26	15	453	910	43659	95,74	99,6
chr16	53690303	53690512	RPGRIP1L	NM_015272	27	26	14	118	373	16817	80,08	100
chr16	53691339	53691524	RPGRIP1L	NM_015272	27	26	13	180	148	6544	35,18	88,9
chr16	53692229	53692408	RPGRIP1L	NM_015272	27	26	12	51	521	21909	121,72	100
chr16	53692702	53692905	RPGRIP1L	NM_015272	27	26	11	107	351	13715	67,23	83,2
chr16	53698676	53698891	RPGRIP1L	NM_015272	27	26	10	140	418	17680	81,85	78,6
chr16	53705295	53705498	RPGRIP1L	NM_015272	27	26	9	74	196	7664	37,57	100
chr16	53706733	53706927	RPGRIP1L	NM_015272	27	26	8	147	192	8371	42,93	99,3
chr16	53708920	53709108	RPGRIP1L	NM_015272	27	26	7	106	139	6152	32,55	100
chr16	53720340	53720531	RPGRIP1L	NM_015272	27	26	6	144	404	17601	91,67	100
chr16	53721737	53721910	RPGRIP1L	NM_015272	27	26	5	103	128	5560	31,95	100
chr16	53725967	53726333	RPGRIP1L	NM_015272	27	26	4	299	1247	59466	162,03	100
chr16	53730052	53730270	RPGRIP1L	NM_015272	27	26	3	145	463	22454	102,53	100
chr16	53734492	53734683	RPGRIP1L	NM_015272	27	26	2	85	190	8415	43,83	100
chr16	56518622	56518825	BBS2	NM_031885	17	17	17	107	878	37528	183,96	100
chr16	56519415	56519603	BBS2	NM_031885	17	17	16	149	390	15770	83,44	68,5
chr16	56530783	56530983	BBS2	NM_031885	17	17	15	113	1819	80775	401,87	92,9
chr16	56531608	56531781	BBS2	NM_031885	17	17	14	138	707	29385	168,88	92
chr16	56532317	56532511	BBS2	NM_031885	17	17	13	132	418	19106	97,98	100
chr16	56533639	56533869	BBS2	NM_031885	17	17	12	130	331	14144	61,23	100
chr16	56534793	56534972	BBS2	NM_031885	17	17	11	172	151	6617	36,76	84,3
chr16	56535188	56535364	BBS2	NM_031885	17	17	10	145	256	11562	65,32	69

chr16	56536138	56536326	BBS2	NM_031885	17	17	9	140	1840	82593	437	70
chr16	56536555	56536755	BBS2	NM_031885	17	17	8	136	618	25919	128,95	100
chr16	56539885	56540171	BBS2	NM_031885	17	17	7,6	87.105	650	28745	100,16	73.6,100.0
chr16	56543792	56543977	BBS2	NM_031885	17	17	5	78	569	25675	138,04	100
chr16	56544701	56544889	BBS2	NM_031885	17	17	4	63	811	36135	191,19	100
chr16	56545033	56545239	BBS2	NM_031885	17	17	3	126	436	19119	92,36	100
chr16	56548341	56548627	BBS2	NM_031885	17	17	2	228	959	45174	157,4	100
chr16	56553654	56553830	BBS2	NM_031885	17	17	1	117	38	1432	8,09	100
chr16	57918036	57918304	CNGB1	NM_001297	33	32	33	294	305	11623	43,21	80,6
chr16	57921662	57921963	CNGB1	NM_001297	33	32	32	220	1165	52728	174,6	93,2
chr16	57931225	57931398	CNGB1	NM_001297	33	32	31	147	336	14345	82,44	66,7
chr16	57931685	57931888	CNGB1	NM_001297	33	32	30	119	702	30539	149,7	100
chr16	57935261	57935538	CNGB1	NM_001297	33	32	29,28	84,98	901	41473	149,18	94.0,100.0
chr16	57937711	57937905	CNGB1	NM_001297	33	32	27	160	405	17217	88,29	100
chr16	57938602	57938796	CNGB1	NM_001297	33	32	26	142	381	16026	82,18	100
chr16	57945644	57945838	CNGB1	NM_001297	33	32	25	123	216	9214	47,25	100
chr16	57946708	57946890	CNGB1	NM_001297	33	32	24	65	202	6966	38,07	87,7
chr16	57949152	57949370	CNGB1	NM_001297	33	32	23	87	135	5787	26,42	100
chr16	57950032	57950205	CNGB1	NM_001297	33	32	22	51	519	20493	117,78	100
chr16	57951160	57951339	CNGB1	NM_001297	33	32	21	209	247	10376	57,64	80,4
chr16	57952947	57953147	CNGB1	NM_001297	33	32	20	156	540	22860	113,73	92,9
chr16	57954251	57954427	CNGB1	NM_001297	33	32	19	158	450	19497	110,15	86,7
chr16	57957202	57957396	CNGB1	NM_001297	33	32	18	108	177	7153	36,68	76,9
chr16	57965546	57965752	CNGB1	NM_001297	33	32	17	163	945	41230	199,18	81,6
chr16	57973389	57973589	CNGB1	NM_001297	33	32	16	163	572	25256	125,65	66,3
chr16	57974030	57974224	CNGB1	NM_001297	33	32	15	88	703	29614	151,87	98,9
chr16	57983274	57983474	CNGB1	NM_001297	33	32	14	87	262	9503	47,28	80,5
chr16	57984201	57984410	CNGB1	NM_001297	33	32	13	160	266	11960	56,95	78,8
chr16	57991144	57991317	CNGB1	NM_001297	33	32	12	37	451	19809	113,84	100
chr16	57992323	57992508	CNGB1	NM_001297	33	32	11	76	82	3347	17,99	88,2
chr16	57993708	57993905	CNGB1	NM_001297	33	32	10	178	45	1932	9,76	64
chr16	57994342	57994524	CNGB1	NM_001297	33	32	9	49	230	10377	56,7	100
chr16	57994693	57994866	CNGB1	NM_001297	33	32	8	76	86	3538	20,33	100
chr16	57996460	57996645	CNGB1	NM_001297	33	32	7	46	111	4651	25,01	100
chr16	57996713	57996990	CNGB1	NM_001297	33	32	6,5	31,91	221	9923	35,69	100.0,100.0
chr16	57998005	57998193	CNGB1	NM_001297	33	32	4	73	171	7452	39,43	100
chr16	57998385	57998585	CNGB1	NM_001297	33	32	3	58	661	28172	140,16	100
chr16	58001088	58001288	CNGB1	NM_001297	33	32	2	159	491	20281	100,9	64,8
chr16	68679564	68679764	CDH3	NM_001793	16	16	2	115	3	145	0,72	78,3
chr16	68710233	68710433	CDH3	NM_001793	16	16	3	86	2182	97042	482,8	100
chr16	68711954	68712133	CDH3	NM_001793	16	16	4	144	249	11054	61,41	67,4
chr16	68712329	68712766	CDH3	NM_001793	16	16	5,6	156.145	855	39499	90,18	100.0,70.3
chr16	68713614	68713826	CDH3	NM_001793	16	16	7	176	481	20850	97,89	71
chr16	68714885	68715094	CDH3	NM_001793	16	16	8	129	733	30607	145,75	89,1
chr16	68716152	68716379	CDH3	NM_001793	16	16	9	186	373	15501	67,99	94,1
chr16	68718394	68718698	CDH3	NM_001793	16	16	10	242	1155	52920	173,51	88
chr16	68719047	68719259	CDH3	NM_001793	16	16	11	146	316	13959	65,54	100
chr16	68721341	68721615	CDH3	NM_001793	16	16	12	225	1450	63121	229,53	89,3
chr16	68725553	68725765	CDH3	NM_001793	16	16	13	207	719	30713	144,19	69,1
chr16	68729101	68729292	CDH3	NM_001793	16	16	14	131	337	15276	79,56	100
chr16	68729724	68729912	CDH3	NM_001793	16	16	15	147	482	20279	107,3	70,1
chr16	68732043	68732418	CDH3	NM_001793	16	16	16	210	307	13855	36,85	100
chr16	72129957	72130329	DHX38	NM_014003	27	26	2	323	279	13061	35,02	84,5
chr16	72130771	72130962	DHX38	NM_014003	27	26	3	188	48	2346	12,22	73,4

chr16	72131473	72131652	DHX38	NM_014003	27	26	4	105	251	11204	62,24	73,3
chr16	72132446	72133141	DHX38	NM_014003	27	26	5,6,7	148,119,77	1028	47779	68,65	100.0,100.0,50.6
chr16	72133665	72133856	DHX38	NM_014003	27	26	8	156	197	8337	43,42	78,2
chr16	72134249	72134455	DHX38	NM_014003	27	26	9	162	215	8908	43,03	74,7
chr16	72135013	72135204	DHX38	NM_014003	27	26	10	108	450	18704	97,42	74,1
chr16	72135294	72135494	DHX38	NM_014003	27	26	11	113	461	20170	100,35	85
chr16	72136920	72137117	DHX38	NM_014003	27	26	12	138	195	8074	40,78	100
chr16	72137484	72137980	DHX38	NM_014003	27	26	13,14	187.186	948	42692	85,9	100.0,73.1
chr16	72138399	72138575	DHX38	NM_014003	27	26	15	141	1240	51044	288,38	90,1
chr16	72138993	72139575	DHX38	NM_014003	27	26	16,17,18	111.117.108	1727	81751	140,22	39.6,100.0,100.0
chr16	72139832	72140020	DHX38	NM_014003	27	26	19	113	180	7769	41,11	100
chr16	72141145	72141668	DHX38	NM_014003	27	26	20,21	209.155	1044	49176	93,85	100.0,80.6
chr16	72142080	72142505	DHX38	NM_014003	27	26	22,23	156.135	624	29565	69,4	100.0,99.3
chr16	72142736	72142906	DHX38	NM_014003	27	26	24	126	592	23781	139,07	70,6
chr16	72143312	72143527	DHX38	NM_014003	27	26	25	96	231	10246	47,44	100
chr16	72144755	72144952	DHX38	NM_014003	27	26	26	122	171	7507	37,91	80,3
chr16	72146375	72146495	DHX38	NM_014003	27	26	27	85	64	2377	19,64	25,9
chr17	1554014	1555023	PRPF8	NM_006445	43	42	43,42,41,40	155.203.140.141	3262	157247	155,69	100.0,100.0,100.0,58.2
chr17	1556776	1557308	PRPF8	NM_006445	43	42	39,38	142.240	2993	141863	266,16	100.0,99.2
chr17	1558643	1558855	PRPF8	NM_006445	43	42	37	194	491	21327	100,13	100
chr17	1559621	1559981	PRPF8	NM_006445	43	42	36,35	174.114	2182	93569	259,19	100.0,35.1
chr17	1561583	1562088	PRPF8	NM_006445	43	42	34,33	129.238	2245	106932	211,33	72.1,100.0
chr17	1562703	1562918	PRPF8	NM_006445	43	42	32	192	142	5748	26,61	72,9
chr17	1563159	1563347	PRPF8	NM_006445	43	42	31	161	255	10657	56,39	85,1
chr17	1563730	1564745	PRPF8	NM_006445	43	42	30,29,28,27	147.130.170.136	4110	194083	191,03	97.3,100.0,100.0,100.0
chr17	1564950	1565529	PRPF8	NM_006445	43	42	26,25	180.248	1142	53346	91,98	75.0,100.0
chr17	1576423	1577260	PRPF8	NM_006445	43	42	24,23,22	117.211.147	3473	167719	200,14	59.0,100.0,100.0
chr17	1577789	1578069	PRPF8	NM_006445	43	42	21	239	433	19095	67,95	77,8
chr17	1578445	1578642	PRPF8	NM_006445	43	42	20	188	658	27454	138,66	100
chr17	1578922	1579984	PRPF8	NM_006445	43	42	19,18,17,16	193.127.164.207	4136	200049	188,19	95.9,100.0,100.0,89.9
chr17	1580324	1580521	PRPF8	NM_006445	43	42	15	197	953	39258	198,27	72,6
chr17	1580898	1581098	PRPF8	NM_006445	43	42	14	130	117	4688	23,32	70
chr17	1581746	1582642	PRPF8	NM_006445	43	42	13,12,11,10	135.120.190.120	3598	166586	185,71	100.0,100.0,100.0,48.3
chr17	1582969	1583160	PRPF8	NM_006445	43	42	9	191	308	13218	68,84	65,4
chr17	1584015	1584363	PRPF8	NM_006445	43	42	8,7	106.126	608	28806	82,54	100.0,100.0
chr17	1584702	1585524	PRPF8	NM_006445	43	42	6,5,4	213.219.165	6241	294571	357,92	100.0,100.0,61.8
chr17	1586774	1586980	PRPF8	NM_006445	43	42	3	169	320	13755	66,45	91,1
chr17	1587788	1587964	PRPF8	NM_006445	43	42	2	100	24	897	5,07	78
chr17	6328679	6329119	AIPL1	NM_014336	6	6	6	371	676	31971	72,5	91,6
chr17	6329927	6330435	AIPL1	NM_014336	6	6	5,4	142.177	737	34765	68,3	100.0,100.0
chr17	6331652	6331861	AIPL1	NM_014336	6	6	3	189	435	18600	88,57	92,6
chr17	6337300	6337485	AIPL1	NM_014336	6	6	2	180	899	37534	201,8	66,1
chr17	6338320	6338490	AIPL1	NM_014336	6	6	1	96	376	16144	94,41	100
chr17	6358523	6358963	PITPNM3	NM_001165966	19	19	19	306	69	2807	6,37	100
chr17	6360817	6361032	PITPNM3	NM_001165966	19	19	18	129	199	7967	36,88	92,2
chr17	6364738	6364941	PITPNM3	NM_001165966	19	19	17	184	454	21177	103,81	75,5
chr17	6366951	6367154	PITPNM3	NM_001165966	19	19	16	150	513	21753	106,63	68,7
chr17	6367394	6367603	PITPNM3	NM_001165966	19	19	15	149	674	29417	140,08	76,5
chr17	6367992	6368204	PITPNM3	NM_001165966	19	19	14	117	386	16947	79,56	85,5
chr17	6371544	6371744	PITPNM3	NM_001165966	19	19	13	117	220	10431	51,9	100
chr17	6373613	6373810	PITPNM3	NM_001165966	19	19	12	149	85	3497	17,66	77,9
chr17	6374504	6374722	PITPNM3	NM_001165966	19	19	11	195	15	653	2,98	88,2
chr17	6376000	6376191	PITPNM3	NM_001165966	19	19	10	171	44	1824	9,5	86,5
chr17	6377803	6378009	PITPNM3	NM_001165966	19	19	9	173	19	812	3,92	70,5

chr17	6380373	6380573	PITPNM3	NM_001165966	19	19	8	185	164	7024	34,95	87
chr17	6381315	6381527	PITPNM3	NM_001165966	19	19	7	123	50	1926	9,04	83,7
chr17	6381789	6381992	PITPNM3	NM_001165966	19	19	6	190	196	8216	40,27	66,3
chr17	6386757	6387049	PITPNM3	NM_001165966	19	19	5	236	587	27790	94,85	90,3
chr17	6387542	6387742	PITPNM3	NM_001165966	19	19	4	77	386	16314	81,16	92,2
chr17	6406833	6407018	PITPNM3	NM_001165966	19	19	3	48	196	8409	45,21	100
chr17	6441242	6441445	PITPNM3	NM_001165966	19	19	2	96	1010	43519	213,33	100
chr17	6459614	6459820	PITPNM3	NM_001165966	19	19	1	22	2	62	0,3	100
chr17	7906408	7907565	GUCY2D	NM_000180	20	18	2,3	721.305	325	15266	13,18	94,2,100,0
chr17	7909604	7909961	GUCY2D	NM_000180	20	18	4	352	1102	47739	133,35	79,8
chr17	7910394	7910573	GUCY2D	NM_000180	20	18	5	85	64	2857	15,87	81,2
chr17	7910691	7910900	GUCY2D	NM_000180	20	18	6	103	382	15679	74,66	100
chr17	7911127	7911327	GUCY2D	NM_000180	20	18	7	102	1298	58278	289,94	77,5
chr17	7912697	7912891	GUCY2D	NM_000180	20	18	8	81	240	10304	52,84	84
chr17	7915363	7915880	GUCY2D	NM_000180	20	18	9,10	207.157	1358	61114	117,98	100,0,72,0
chr17	7916443	7916658	GUCY2D	NM_000180	20	18	11	150	70	3002	13,9	85,3
chr17	7917228	7917431	GUCY2D	NM_000180	20	18	12	149	247	10385	50,91	79,9
chr17	7917890	7918339	GUCY2D	NM_000180	20	18	13,14	164.193	1933	86783	192,85	100,0,84,5
chr17	7918572	7918769	GUCY2D	NM_000180	20	18	15	175	187	8285	41,84	70,9
chr17	7919027	7919855	GUCY2D	NM_000180	20	18	16,17,18,19	99,95,86,88	510	23879	28,8	100,0,100,0,100,0,100,0
chr17	26874237	26875062	UNC119	NM_005148	5	5	5,4,3	113.173.103	1839	88056	106,61	100,0,100,0,44,7
chr17	26875581	26875751	UNC119	NM_005148	5	5	2	114	142	6086	35,59	100
chr17	26879296	26879656	UNC119	NM_005148	5	5	1	220	6	241	0,67	100
chr17	27055808	27056011	NEK8	NM_178170	15	15	1	47	29	1242	6,09	100
chr17	27061042	27061218	NEK8	NM_178170	15	15	2	206	895	38035	214,89	80,1
chr17	27061699	27062000	NEK8	NM_178170	15	15	3	233	351	16554	54,81	90,6
chr17	27062163	27062354	NEK8	NM_178170	15	15	4	132	303	11842	61,68	73,5
chr17	27064236	27065248	NEK8	NM_178170	15	15	5,6,7,8	209,62,182,151	1862	85947	84,84	100,0,100,0,100,0,90,1
chr17	27065551	27065760	NEK8	NM_178170	15	15	9	77	785	34276	163,22	93,5
chr17	27066117	27066335	NEK8	NM_178170	15	15	10	118	1148	47635	217,51	87,3
chr17	27067530	27067727	NEK8	NM_178170	15	15	11	151	674	29686	149,93	67,5
chr17	27067897	27068645	NEK8	NM_178170	15	15	12,13,14	164.159.159	1998	91901	122,7	65,2,100,0,100,0
chr17	27068950	27069153	NEK8	NM_178170	15	15	15	29	1012	45083	221	100
chr17	36482254	36487482	GPR179	NM_001004334	11	11	11	5067	19669	957421	183,1	100
chr17	36489091	36489309	GPR179	NM_001004334	11	11	10	147	249	10647	48,62	100
chr17	36489816	36490028	GPR179	NM_001004334	11	11	9	106	257	11152	52,36	100
chr17	36490540	36490728	GPR179	NM_001004334	11	11	8	139	95	3998	21,15	100
chr17	36490843	36491111	GPR179	NM_001004334	11	11	7	239	342	15679	58,29	82
chr17	36491470	36491670	GPR179	NM_001004334	11	11	6	110	210	8709	43,33	100
chr17	36491958	36492143	GPR179	NM_001004334	11	11	5	69	270	12513	67,27	100
chr17	36492895	36493178	GPR179	NM_001004334	11	11	4	236	506	22979	80,91	85,6
chr17	36493534	36493722	GPR179	NM_001004334	11	11	3	88	283	12497	66,12	79,5
chr17	36495281	36495472	GPR179	NM_001004334	11	11	2	109	875	38217	199,05	100
chr17	36498816	36499644	GPR179	NM_001004334	11	11	1	794	2415	116136	140,09	96,5
chr17	56283306	56284001	MKS1	NM_001165927	18	18	18,17,16	92,98,83	2109	99597	143,1	100,0,100,0,100,0
chr17	56284337	56284540	MKS1	NM_001165927	18	18	15	134	1244	57351	281,13	70,9
chr17	56285308	56285591	MKS1	NM_001165927	18	18	14,13	108,70	483	20950	73,77	50,9,100,0
chr17	56285793	56286014	MKS1	NM_001165927	18	18	12	71	121	5544	24,97	100
chr17	56287901	56288092	MKS1	NM_001165927	18	18	11	66	284	11767	61,29	100
chr17	56288237	56288416	MKS1	NM_001165927	18	18	10	43	1431	58574	325,41	100
chr17	56289741	56289911	MKS1	NM_001165927	18	18	9	57	784	33311	194,8	96,5
chr17	56290371	56290571	MKS1	NM_001165927	18	18	8	109	469	20745	103,21	74,3
chr17	56291146	56291328	MKS1	NM_001165927	18	18	7	105	202	8720	47,65	81
chr17	56291508	56291732	MKS1	NM_001165927	18	18	6	129	452	19656	87,36	87,6

chr17	56291996	56292175	MKS1	NM_001165927	18	18	5	98	659	27867	154,82	75,5
chr17	56293369	56293560	MKS1	NM_001165927	18	18	4	156	429	18520	96,46	71,8
chr17	56294030	56294212	MKS1	NM_001165927	18	18	3	71	2046	87951	480,61	95,8
chr17	56295890	56296117	MKS1	NM_001165927	18	18	2	110	315	13850	60,75	100
chr17	56296564	56296915	MKS1	NM_001165927	18	18	1	50	398	17143	48,7	100
chr17	58227291	58227488	CA4	NM_000717	8	8	1	58	15	573	2,89	100
chr17	58232598	58232795	CA4	NM_000717	8	8	2	54	243	9737	49,18	100
chr17	58233904	58234086	CA4	NM_000717	8	8	3	156	302	12314	67,29	100
chr17	58234773	58235133	CA4	NM_000717	8	8	4,5	146,99	774	35282	97,73	100,0,83,8
chr17	58235358	58235810	CA4	NM_000717	8	8	6,7	67,164	974	42797	94,47	100,0,100,0
chr17	58236533	58236718	CA4	NM_000717	8	8	8	195	128	5682	30,55	65,6
chr17	63133631	63133861	RGS9	NM_003835	19	19	1	57	212	8469	36,66	100
chr17	63149442	63149612	RGS9	NM_003835	19	19	2	97	683	28423	166,22	75,3
chr17	63154391	63154600	RGS9	NM_003835	19	19	3	51	390	17083	81,35	100
chr17	63156354	63156554	RGS9	NM_003835	19	19	4	107	776	33144	164,9	97,2
chr17	63156597	63156809	RGS9	NM_003835	19	19	5	52	1048	44346	208,2	100
chr17	63156900	63157085	RGS9	NM_003835	19	19	6	59	374	15836	85,14	100
chr17	63159038	63159241	RGS9	NM_003835	19	19	7	77	268	11514	56,44	100
chr17	63164186	63164383	RGS9	NM_003835	19	19	8	82	126	5218	26,35	80,5
chr17	63173755	63173943	RGS9	NM_003835	19	19	9	72	136	6087	32,21	100
chr17	63185366	63185593	RGS9	NM_003835	19	19	10	30	365	14898	65,34	100
chr17	63186271	63186483	RGS9	NM_003835	19	19	11	62	189	8498	39,9	100
chr17	63189587	63189802	RGS9	NM_003835	19	19	12	114	266	11630	53,84	100
chr17	63193276	63193476	RGS9	NM_003835	19	19	13	116	503	20835	103,66	72,4
chr17	63198006	63198200	RGS9	NM_003835	19	19	14	88	382	15558	79,78	100
chr17	63200309	63200515	RGS9	NM_003835	19	19	15	139	325	14464	69,87	79,9
chr17	63203934	63204131	RGS9	NM_003835	19	19	16	86	420	17833	90,07	100
chr17	63206663	63206863	RGS9	NM_003835	19	19	17	118	146	5659	28,15	51,7
chr17	63221156	63221685	RGS9	NM_003835	19	19	18	485	618	27860	52,57	92,6
chr17	63223298	63223483	RGS9	NM_003835	19	19	19	133	1056	45269	243,38	68,4
chr17	72914114	72914287	USH1G	NM_173477	3	3	3	4	524	22356	128,48	100
chr17	72915612	72916825	USH1G	NM_173477	3	3	2	1218	1165	54704	45,06	94,8
chr17	72918929	72919132	USH1G	NM_173477	3	3	1	164	52	2298	11,26	78
chr17	74536085	74536309	PRCD	NM_001077620	5	3	1	74	257	10428	46,35	100
chr17	74536460	74536666	PRCD	NM_001077620	5	3	2	69	438	18904	91,32	100
chr17	74538470	74538682	PRCD	NM_001077620	5	3	3	22	245	10716	50,31	100
chr17	74539026	74539217	PRCD	NM_001077620	5	3	4	93	215	9786	50,97	100
chr17	74539904	74540107	PRCD	NM_001077620	5	3	5	1574	611	26781	131,28	13
chr17	74540369	74541479	PRCD	NM_001077620	5	3	5	1574	1362	65557	59,01	69,3
chr17	79495477	79496474	FSCN2	NM_001077182	5	5	1	826	410	19058	19,1	100
chr17	79502055	79502249	FSCN2	NM_001077182	5	5	2	157	975	40876	209,62	100
chr17	79503072	79503263	FSCN2	NM_001077182	5	5	3	122	400	16195	84,35	75,4
chr17	79503637	79504145	FSCN2	NM_001077182	5	5	4,5	240,206	139	6342	12,46	74,6,100,0
chr17	79618002	79618214	PDE6G	NM_002602	4	3	4	77	178	8027	37,69	100
chr17	79618621	79618821	PDE6G	NM_002602	4	3	3	41	337	15010	74,68	100
chr17	79620130	79620318	PDE6G	NM_002602	4	3	2	146	215	9099	48,14	88,4
chr17	79623536	79623715	PDE6G	NM_002602	4	3	1	85	78	3390	18,83	84,7
chr19	3770631	3770997	RAX2	NM_032753	3	2	3	339	16	693	1,89	96,5
chr19	3771463	3771811	RAX2	NM_032753	3	2	2	216	211	9130	26,16	100
chr19	33167176	33167930	RGS9BP	NM_207391	1	1	1	708	141	6034	7,99	99,2
chr19	46032356	46032784	OPA3	NM_001017989	2	2	2	401	339	14732	34,34	89,5
chr19	46087797	46087991	OPA3	NM_001017989	2	2	1	142	245	10844	55,61	78,2
chr19	48337620	48337820	CRX	NM_000554	4	3	2	100	574	25596	127,34	100
chr19	48339535	48339741	CRX	NM_000554	4	3	3	152	377	16298	78,73	77

chr19	48342626	48343300	CRX	NM_000554	4	3	4	648	1938	88386	130,94	92,4
chr19	54618682	54618802	PRPF31	NM_015629	14	13	1	388	262	9563	79,03	3,4
chr19	54621621	54622055	PRPF31	NM_015629	14	13	2,3	177,61	1402	63343	145,62	100.0,100.0
chr19	54625117	54625320	PRPF31	NM_015629	14	13	4	84	1315	60589	297	97,6
chr19	54625800	54625985	PRPF31	NM_015629	14	13	5	98	942	41688	224,13	100
chr19	54626764	54626955	PRPF31	NM_015629	14	13	6	107	753	33596	174,98	100
chr19	54627175	54627375	PRPF31	NM_015629	14	13	7	170	431	18951	94,28	72,4
chr19	54627811	54628017	PRPF31	NM_015629	14	13	8	158	143	6019	29,08	88,6
chr19	54629787	54629978	PRPF31	NM_015629	14	13	9	90	1025	41739	217,39	84,4
chr19	54631404	54631761	PRPF31	NM_015629	14	13	10,11	128,73	1	41	0,11	100.0,100.0
chr19	54632348	54632708	PRPF31	NM_015629	14	13	12,13	129,99	61	2600	7,2	100.0,62.6
chr19	54634768	54634968	PRPF31	NM_015629	14	13	14	126	181	7934	39,47	76,2
chr20	2639271	2639545	IDH3B	NM_006899	12	12	12	87	530	20889	75,96	100
chr20	2640119	2640369	IDH3B	NM_006899	12	12	11,10	61,95	2995	142511	567,77	100.0,26.3
chr20	2640693	2641708	IDH3B	NM_006899	12	12	9,8,7,6,5	147,103,134,133,61	5051	241511	237,71	88.4,100.0,100.0,100.0,100.0
chr20	2644025	2644785	IDH3B	NM_006899	12	12	4,3,2	121,99,81	3252	153205	201,32	100.0,100.0,100.0
chr20	3869713	3870390	PANK2	NM_153638	7	7	1	628	186	8803	12,98	100
chr20	3888568	3888943	PANK2	NM_153638	7	7	2	353	1069	51144	136,02	100
chr20	3891225	3891505	PANK2	NM_153638	7	7	3	254	977	42917	152,73	99,6
chr20	3893077	3893259	PANK2	NM_153638	7	7	4	177	430	19128	104,52	87,6
chr20	3897610	3897795	PANK2	NM_153638	7	7	5	124	272	11796	63,42	71
chr20	3899292	3899477	PANK2	NM_153638	7	7	6	126	473	20692	111,25	100
chr20	3903832	3904091	PANK2	NM_153638	7	7	7	51	158	6788	26,11	100
chr20	10385836	10386332	MKKS	NM_018848	6	4	6	441	1098	52977	106,59	99,3
chr20	10388203	10388433	MKKS	NM_018848	6	4	5	111	676	29242	126,59	100
chr20	10389200	10389403	MKKS	NM_018848	6	4	4	176	557	24730	121,23	72,7
chr20	10393177	10394245	MKKS	NM_018848	6	4	3	985	3273	156948	146,82	100
chr20	25282833	25283303	ABHD12	NM_015600	13	13	12	128	46	1604	9,38	100
chr20	25284184	25284396	ABHD12	NM_015600	13	13	11	79	224	9626	45,19	100
chr20	25287484	25287660	ABHD12	NM_015600	13	13	10	83	208	8603	48,6	81,9
chr20	25288580	25288756	ABHD12	NM_015600	13	13	9	80	302	13076	73,88	100
chr20	25289086	25289256	ABHD12	NM_015600	13	13	8	38	96	3688	21,57	100
chr20	25290031	25290225	ABHD12	NM_015600	13	13	7	130	562	25155	129	100
chr20	25295540	25295731	ABHD12	NM_015600	13	13	6	46	450	18906	98,47	100
chr20	25297571	25297759	ABHD12	NM_015600	13	13	5	31	536	22502	119,06	100
chr20	25300785	25300997	ABHD12	NM_015600	13	13	4	120	132	5450	25,59	100
chr20	25303970	25304164	ABHD12	NM_015600	13	13	3	106	451	19886	101,98	91,5
chr20	25319851	25320066	ABHD12	NM_015600	13	13	2	125	270	12348	57,17	100
chr20	25371137	25371423	ABHD12	NM_015600	13	13	1	191	2	87	0,3	100
chr20	62612458	62612634	PRPF6	NM_012469	21	21	1	71	411	18151	102,55	50,7
chr20	62614443	62614655	PRPF6	NM_012469	21	21	2	169	732	31431	147,56	74,6
chr20	62616152	62616373	PRPF6	NM_012469	21	21	3	119	63	2909	13,1	95,8
chr20	62624650	62624829	PRPF6	NM_012469	21	21	4	79	158	6449	35,83	88,6
chr20	62626217	62626432	PRPF6	NM_012469	21	21	5	177	400	16705	77,34	92,7
chr20	62626600	62626794	PRPF6	NM_012469	21	21	6	156	230	9915	50,85	73,7
chr20	62630389	62630610	PRPF6	NM_012469	21	21	7	95	139	5797	26,11	100
chr20	62630984	62631196	PRPF6	NM_012469	21	21	8	157	285	12689	59,57	82,2
chr20	62632413	62632619	PRPF6	NM_012469	21	21	9	163	424	18823	90,93	100
chr20	62641451	62641636	PRPF6	NM_012469	21	21	10	119	690	30966	166,48	70,6
chr20	62642609	62642892	PRPF6	NM_012469	21	21	11	219	579	26680	93,94	100
chr20	62647973	62648161	PRPF6	NM_012469	21	21	12	123	176	7200	38,1	69,9
chr20	62653995	62654198	PRPF6	NM_012469	21	21	13	122	836	35277	172,93	73
chr20	62655801	62656016	PRPF6	NM_012469	21	21	14	139	500	20081	92,97	78,4
chr20	62657194	62657385	PRPF6	NM_012469	21	21	15	120	346	14964	77,94	78,3

chr20	62658259	62658450	PRPF6	NM_012469	21	21	16	177	239	10378	54,05	65,5
chr20	62658898	62659077	PRPF6	NM_012469	21	21	17	134	268	11515	63,97	91
chr20	62659710	62659901	PRPF6	NM_012469	21	21	18	92	247	9937	51,76	77,2
chr20	62660626	62660817	PRPF6	NM_012469	21	21	19	115	150	6270	32,66	76,5
chr20	62663218	62663394	PRPF6	NM_012469	21	21	20	127	301	13324	75,28	97,6
chr20	62664242	62664448	PRPF6	NM_012469	21	21	21	153	149	6519	31,49	68,6
chr21	45749996	45750759	C21orf2	NM_004928	7	7	7,6	129,97	427	19234	25,18	100,0,55,7
chr21	45751786	45751965	C21orf2	NM_004928	7	7	5	172	259	10371	57,62	65,1
chr21	45752818	45753110	C21orf2	NM_004928	7	7	4	230	119	4432	15,13	84,8
chr21	45755599	45755790	C21orf2	NM_004928	7	7	3	47	261	11124	57,94	100
chr21	45757401	45757595	C21orf2	NM_004928	7	7	2	19	503	21777	111,68	100
chr21	45758956	45759233	C21orf2	NM_004928	7	7	1	77	4	178	0,64	100
chr22	33197907	33198178	TIMP3	NM_000362	5	5	1	121	33	1438	5,29	100
chr22	33245412	33245615	TIMP3	NM_000362	5	5	2	83	332	13654	66,93	100
chr22	33253137	33253331	TIMP3	NM_000362	5	5	3	112	294	11990	61,49	85,7
chr22	33253910	33254098	TIMP3	NM_000362	5	5	4	122	2893	122410	647,67	77,9
chr22	33255193	33255497	TIMP3	NM_000362	5	5	5	198	720	33493	109,81	86,9
chrX	13753140	13753390	OFD1	NM_003611	23	23	1,2	12,99	476	21353	85,07	100,0,24,2
chrX	13754641	13754871	OFD1	NM_003611	23	23	3	201	630	23345	101,06	78,1
chrX	13756996	13757199	OFD1	NM_003611	23	23	4,5	69,31	85	3250	15,93	55,1,100,0
chrX	13762560	13762757	OFD1	NM_003611	23	23	6	105	369	16035	80,98	75,2
chrX	13764480	13764677	OFD1	NM_003611	23	23	7	137	430	18236	92,1	69,3
chrX	13764930	13765100	OFD1	NM_003611	23	23	8	174	186	7282	42,58	82,2
chrX	13769402	13769578	OFD1	NM_003611	23	23	10	120	136	5847	33,03	71,7
chrX	13771520	13771690	OFD1	NM_003611	23	23	11	74	233	7796	45,59	55,4
chrX	13773331	13773451	OFD1	NM_003611	23	23	12	92	62	2288	18,91	33,7
chrX	13774846	13774966	OFD1	NM_003611	23	23	13	190	250	8447	69,81	21,6
chrX	13775788	13775970	OFD1	NM_003611	23	23	14	131	143	6087	33,26	93,1
chrX	13776363	13776536	OFD1	NM_003611	23	23	15	112	238	10198	58,61	72,3
chrX	13778191	13778557	OFD1	NM_003611	23	23	16	606	797	36797	100,26	53,5
chrX	13778671	13778791	OFD1	NM_003611	23	23	16	606	321	9447	78,07	20
chrX	13779235	13779426	OFD1	NM_003611	23	23	17	127	457	17932	93,4	75,6
chrX	13780487	13780657	OFD1	NM_003611	23	23	18	101	131	5549	32,45	76,2
chrX	13781878	13782078	OFD1	NM_003611	23	23	19	111	292	12707	63,22	87,4
chrX	13785379	13785499	OFD1	NM_003611	23	23	20	158	102	4344	35,9	15,8
chrX	13786232	13786405	OFD1	NM_003611	23	23	21	171	239	9783	56,22	65,5
chrX	13786710	13786907	OFD1	NM_003611	23	23	22	68	183	7340	37,07	100
chrX	18660079	18660368	RS1	NM_000330	6	6	6	153	265	11052	38,11	100
chrX	18662517	18662717	RS1	NM_000330	6	6	5	196	1123	49122	244,39	85,7
chrX	18665353	18665544	RS1	NM_000330	6	6	4	142	223	9097	47,38	70,4
chrX	18674650	18674856	RS1	NM_000330	6	6	3	106	410	17497	84,53	79,2
chrX	18675738	18675947	RS1	NM_000330	6	6	2	26	198	8715	41,5	100
chrX	18690096	18690326	RS1	NM_000330	6	6	1	52	390	16616	71,93	100
chrX	38128818	38129178	RPGR	NM_000328	19	19	19	207	569	25342	70,2	100
chrX	38132629	38132853	RPGR	NM_000328	19	19	18	92	219	9477	42,12	100
chrX	38134330	38134545	RPGR	NM_000328	19	19	17	58	380	15528	71,89	100
chrX	38135772	38135969	RPGR	NM_000328	19	19	16	186	760	33044	166,89	69,9
chrX	38145625	38147268	RPGR	NM_000328	19	19	15,14	152.181	12557	612177	372,37	100,0,85,6
chrX	38150072	38150281	RPGR	NM_000328	19	19	13	66	178	7386	35,17	100
chrX	38150633	38150818	RPGR	NM_000328	19	19	12	92	123	5620	30,22	100
chrX	38156562	38156741	RPGR	NM_000328	19	19	11	169	364	15469	85,94	85,2
chrX	38158231	38158431	RPGR	NM_000328	19	19	10	186	594	24833	123,55	88,2
chrX	38160476	38160649	RPGR	NM_000328	19	19	9	125	339	13369	76,83	100
chrX	38163928	38164140	RPGR	NM_000328	19	19	8	156	365	15818	74,26	74,4

chrX	38169921	38170091	RPGR	NM_000328	19	19	7	159	305	12744	74,53	66,7
chrX	38176540	38176740	RPGR	NM_000328	19	19	6	150	185	7543	37,53	100
chrX	38178066	38178263	RPGR	NM_000328	19	19	5	159	973	41060	207,37	100
chrX	38180177	38180368	RPGR	NM_000328	19	19	4	63	384	16288	84,83	100
chrX	38182063	38182236	RPGR	NM_000328	19	19	3	93	672	27164	156,11	100
chrX	38182689	38182889	RPGR	NM_000328	19	19	2	126	239	8865	44,1	70,6
chrX	38186584	38186793	RPGR	NM_000328	19	19	1	28	55	2346	11,17	100
chrX	41306973	41307259	NYX	NM_022567	2	2	1	37	686	31029	108,11	100
chrX	41332787	41334249	NYX	NM_022567	2	2	2	1409	422	19724	13,48	96,9
chrX	43808912	43809216	NDP	NM_000266	3	2	3	228	640	27466	90,05	75,4
chrX	43817713	43817993	NDP	NM_000266	3	2	2	174	66	2648	9,42	100
chrX	46696381	46696655	RP2	NM_006915	5	5	1	102	242	10829	39,38	100
chrX	46712858	46713568	RP2	NM_006915	5	5	2	666	1364	64260	90,38	98,8
chrX	46719400	46719594	RP2	NM_006915	5	5	3	115	756	31362	160,83	100
chrX	46736849	46737046	RP2	NM_006915	5	5	4	86	253	11202	56,58	100
chrX	46739100	46739353	RP2	NM_006915	5	5	5	84	156	7312	28,79	100
chrX	49061561	49061927	CACNA1F	NM_005183	48	48	48	231	638	29120	79,35	100
chrX	49062125	49062337	CACNA1F	NM_005183	48	48	47	198	47	1876	8,81	75,3
chrX	49063020	49063617	CACNA1F	NM_005183	48	48	46,45,44	113.128.108	1747	83166	139,07	57.5,100.0,100.0
chrX	49064887	49065265	CACNA1F	NM_005183	48	48	43	170	1671	77436	204,32	100
chrX	49065548	49065798	CACNA1F	NM_005183	48	48	42	132	1078	44355	176,71	58,3
chrX	49066081	49066512	CACNA1F	NM_005183	48	48	41,40	131.102	1929	86030	199,14	100.0,100.0
chrX	49066765	49066962	CACNA1F	NM_005183	48	48	39	103	220	9565	48,31	96,1
chrX	49067072	49067242	CACNA1F	NM_005183	48	48	38	97	487	20263	118,5	77,3
chrX	49067433	49067615	CACNA1F	NM_005183	48	48	37	128	304	12249	66,93	93,8
chrX	49067794	49068006	CACNA1F	NM_005183	48	48	36	160	885	39298	184,5	92,5
chrX	49068348	49068575	CACNA1F	NM_005183	48	48	35	92	489	21202	92,99	100
chrX	49068635	49068838	CACNA1F	NM_005183	48	48	34	66	166	7150	35,05	100
chrX	49069038	49069407	CACNA1F	NM_005183	48	48	33	129	499	23600	63,78	100
chrX	49070259	49070435	CACNA1F	NM_005183	48	48	31	84	479	20904	118,1	100
chrX	49070615	49070794	CACNA1F	NM_005183	48	48	30	111	312	12961	72,01	100
chrX	49071484	49071998	CACNA1F	NM_005183	48	48	29,28	159.202	1600	74388	144,44	100.0,97.5
chrX	49072808	49073014	CACNA1F	NM_005183	48	48	27	147	277	11942	57,69	100
chrX	49074123	49074403	CACNA1F	NM_005183	48	48	26,25	53.108	957	40926	145,64	100.0,43.5
chrX	49074956	49075461	CACNA1F	NM_005183	48	48	24,23,22	88,107,60	205	9547	18,87	52.3,100.0,100.0
chrX	49075688	49076199	CACNA1F	NM_005183	48	48	21,20	130.157	1007	46537	90,89	100.0,68.2
chrX	49076920	49077102	CACNA1F	NM_005183	48	48	19	52	70	3146	17,19	100
chrX	49077386	49077601	CACNA1F	NM_005183	48	48	18	46	433	19043	88,16	100
chrX	49079008	49079614	CACNA1F	NM_005183	48	48	17,16,15	82.121.208	913	43910	72,34	67.1,100.0,100.0
chrX	49081123	49081427	CACNA1F	NM_005183	48	48	14	226	522	22409	73,47	90,7
chrX	49082365	49083202	CACNA1F	NM_005183	48	48	13,12,11,10	161,27,94,93	770	35471	42,33	100.0,100.0,100.0,100.0
chrX	49083459	49083653	CACNA1F	NM_005183	48	48	9	191	559	23945	122,79	68,6
chrX	49084411	49084857	CACNA1F	NM_005183	48	48	8,7	104.197	930	42951	96,09	100.0,73.6
chrX	49086593	49087021	CACNA1F	NM_005183	48	48	6,5	153.143	452	21330	49,72	100.0,65.0
chrX	49087320	49087511	CACNA1F	NM_005183	48	48	4	140	239	10730	55,89	94,3
chrX	49087658	49087846	CACNA1F	NM_005183	48	48	3	106	387	16157	85,49	100
chrX	49088193	49088479	CACNA1F	NM_005183	48	48	2	250	206	7514	26,18	78,8
chrX	49089681	49089872	CACNA1F	NM_005183	48	48	1	25	616	27424	142,83	100
chrX	85119546	85119823	CHM	NM_000390	15	15	15	192	697	30252	108,82	98,4
chrX	85128006	85128215	CHM	NM_000390	15	15	14	161	631	28205	134,31	98,8
chrX	85133858	85134055	CHM	NM_000390	15	15	13	99	230	9787	49,43	86,9
chrX	85149140	85149325	CHM	NM_000390	15	15	12	97	624	25950	139,52	100
chrX	85155627	85155812	CHM	NM_000390	15	15	11	64	270	11716	62,99	100
chrX	85156001	85156210	CHM	NM_000390	15	15	10	105	236	10218	48,66	100

chrX	85166219	85166389	CHM	NM_000390	15	15	9	78	118	4972	29,08	100
chrX	85211079	85211350	CHM	NM_000390	15	15	8	226	470	21604	79,43	85,4
chrX	85212864	85213037	CHM	NM_000390	15	15	7	121	165	7030	40,4	96,7
chrX	85213772	85213948	CHM	NM_000390	15	15	6	117	643	27196	153,65	70,9
chrX	85218694	85219134	CHM	NM_000390	15	15	5	388	496	21636	49,06	93,8
chrX	85233747	85233935	CHM	NM_000390	15	15	4	125	563	24857	131,52	100
chrX	85236640	85236831	CHM	NM_000390	15	15	3	73	251	10008	52,13	100
chrX	85282463	85282672	CHM	NM_000390	15	15	2	67	348	14419	68,66	100
chrX	85302479	85302694	CHM	NM_000390	15	15	1	49	183	8533	39,5	100
chrX	100601604	100601724	TIMM8A	NM_004085	2	2	2	162	216	8581	70,92	27,8
chrX	100603380	100603749	TIMM8A	NM_004085	2	2	1	132	794	36315	98,15	100
										Median	74,26	100

S3 Table: List of the hearing impairment genes and coverage data.

Chromosome	Start position	End position	Gene name	Gene id	Total exons	Total coding ex	Component nr	Exon size	reads	bps	coverage	Overlap %
chr1	6484950	6485414	ESPN	NM_031475	13	13	1	294	19	699	1,5	100
chr1	6488213	6488407	ESPN	NM_031475	13	13	2	194	147	6054	31,05	62,9
chr1	6500461	6500581	ESPN	NM_031475	13	13	3	187	1	50	0,41	21,4
chr1	6500610	6500730	ESPN	NM_031475	13	13	4	183	0	0	0	24,6
chr1	6500839	6500957	ESPN	NM_031475	13	13	4	183	1	33	0,28	16,4
chr1	6501105	6501225	ESPN	NM_031475	13	13	5	132	138	4076	33,69	15,9
chr1	6504466	6504666	ESPN	NM_031475	13	13	6	202	333	14593	72,6	62,4
chr1	6505644	6505764	ESPN	NM_031475	13	13	7	272	116	3961	32,74	15,1
chr1	6508910	6509163	ESPN	NM_031475	13	13	8	451	3	133	0,52	53,7
chr1	6511643	6511763	ESPN	NM_031475	13	13	9	146	49	1814	14,99	69,2
chr1	6511818	6511938	ESPN	NM_031475	13	13	10	264	68	2603	21,51	17,4
chr1	6511972	6512160	ESPN	NM_031475	13	13	10	264	283	10785	57,06	70,1
chr1	6517282	6517452	ESPN	NM_031475	13	13	11,12	80,12	323	13999	81,87	52.5,100.0
chr1	6520099	6520287	ESPN	NM_031475	13	13	13	148	66	2633	13,93	73
chr1	35250289	35251224	GJB3	NM_024009	2	1	2	813	1984	94119	100,55	100
chr1	41249737	41250168	KCNQ4	NM_004700	14	14	1	314	57	2571	5,95	100
chr1	41282821	41283021	KCNQ4	NM_004700	14	14	2	91	872	35185	175,05	93,4
chr1	41283756	41283956	KCNQ4	NM_004700	14	14	3	127	785	34994	174,1	95,3
chr1	41284179	41284385	KCNQ4	NM_004700	14	14	4	176	36	1336	6,45	98,9
chr1	41285014	41285208	KCNQ4	NM_004700	14	14	5	126	529	23206	119,01	100
chr1	41285459	41285902	KCNQ4	NM_004700	14	14	6,7	111,96	2082	95114	214,22	100.0,68.8
chr1	41287959	41288156	KCNQ4	NM_004700	14	14	8	89	245	10594	53,51	100
chr1	41289809	41290024	KCNQ4	NM_004700	14	14	9	162	690	25137	116,38	75,3
chr1	41296656	41296957	KCNQ4	NM_004700	14	14	10	221	211	9298	30,79	91,4
chr1	41298566	41298790	KCNQ4	NM_004700	14	14	11	100	442	17878	79,46	100
chr1	41300559	41300759	KCNQ4	NM_004700	14	14	12	132	93	3865	19,23	91,7
chr1	41303229	41303438	KCNQ4	NM_004700	14	14	13	130	129	5295	25,21	78,5
chr1	41304021	41304295	KCNQ4	NM_004700	14	14	14	213	509	22632	82,3	82,2
chr1	55464778	55464978	BSND	NM_057176	4	4	1	177	308	12214	60,77	67,2
chr1	55470608	55470796	BSND	NM_057176	4	4	2	95	466	20696	109,5	100
chr1	55472715	55473004	BSND	NM_057176	4	4	3	276	286	12407	42,78	83,7
chr1	55473820	55474325	BSND	NM_057176	4	4	4	415	1682	75947	150,09	100
chr1	103343449	103343726	COL11A1	NM_001854	67	67	67	147	418	18499	66,54	100
chr1	103345185	103345480	COL11A1	NM_001854	67	67	66	234	1108	48954	165,39	100
chr1	103347189	103347371	COL11A1	NM_001854	67	67	65	69	201	8251	45,09	100
chr1	103348683	103348874	COL11A1	NM_001854	67	67	64	113	222	9634	50,18	100
chr1	103352392	103352657	COL11A1	NM_001854	67	67	63	250	743	34096	128,18	88,4
chr1	103354171	103354552	COL11A1	NM_001854	67	67	62,61,60	54,36,54	451	21359	55,91	29.6,100.0,100.0
chr1	103354949	103355170	COL11A1	NM_001854	67	67	59	108	501	21827	98,32	100
chr1	103355939	103356130	COL11A1	NM_001854	67	67	58	54	125	5498	28,64	100
chr1	103363613	103363795	COL11A1	NM_001854	67	67	57	54	19	766	4,19	100
chr1	103364160	103364550	COL11A1	NM_001854	67	67	56,55	108,54	220	10636	27,2	100.0,100.0
chr1	103377641	103377853	COL11A1	NM_001854	67	67	54	54	105	4355	20,45	100
chr1	103379128	103379313	COL11A1	NM_001854	67	67	53	54	788	34257	184,18	100
chr1	103379834	103380031	COL11A1	NM_001854	67	67	52	54	110	4972	25,11	100
chr1	103380288	103380464	COL11A1	NM_001854	67	67	51	108	175	7488	42,31	74,1
chr1	103381098	103381307	COL11A1	NM_001854	67	67	50	54	235	10498	49,99	100
chr1	103385796	103385993	COL11A1	NM_001854	67	67	49	54	475	21385	108,01	100
chr1	103387003	103387212	COL11A1	NM_001854	67	67	48	54	152	6998	33,32	100

chr1	103388815	103389009	COL11A1	NM_001854	67	67	47	54	679	27777	142,45	100
chr1	103399943	103400173	COL11A1	NM_001854	67	67	46	108	643	28965	125,39	100
chr1	103400518	103400703	COL11A1	NM_001854	67	67	45	54	236	10526	56,59	100
chr1	103404526	103404717	COL11A1	NM_001854	67	67	44	54	694	30190	157,24	100
chr1	103405821	103406051	COL11A1	NM_001854	67	67	43	108	754	32231	139,53	100
chr1	103412343	103412573	COL11A1	NM_001854	67	67	42	108	212	8969	38,83	100
chr1	103427318	103427518	COL11A1	NM_001854	67	67	41	54	327	14763	73,45	100
chr1	103427673	103427879	COL11A1	NM_001854	67	67	40	90	316	13226	63,89	100
chr1	103428147	103428377	COL11A1	NM_001854	67	67	39	108	237	10071	43,6	100
chr1	103430957	103431181	COL11A1	NM_001854	67	67	38	54	209	9432	41,92	100
chr1	103435686	103435898	COL11A1	NM_001854	67	67	37	54	465	20397	95,76	100
chr1	103440309	103440524	COL11A1	NM_001854	67	67	36	54	293	12232	56,63	100
chr1	103444217	103444663	COL11A1	NM_001854	67	67	35,34,33	45,54,45	487	21371	47,81	100,0,100,0,100,0
chr1	103444854	103445134	COL11A1	NM_001854	67	67	32	54	519	24205	86,14	100
chr1	103449635	103449811	COL11A1	NM_001854	67	67	31	54	162	6242	35,27	100
chr1	103453115	103453324	COL11A1	NM_001854	67	67	30	108	706	28039	133,52	100
chr1	103455063	103455272	COL11A1	NM_001854	67	67	29	54	537	24156	115,03	100
chr1	103461474	103461677	COL11A1	NM_001854	67	67	27	54	73	3193	15,65	100
chr1	103462566	103462745	COL11A1	NM_001854	67	67	26	45	926	37884	210,47	100
chr1	103463801	103463983	COL11A1	NM_001854	67	67	25	54	123	4764	26,03	100
chr1	103467342	103467539	COL11A1	NM_001854	67	67	24	45	1048	45791	231,27	100
chr1	103467895	103468113	COL11A1	NM_001854	67	67	23	54	124	5331	24,34	100
chr1	103468233	103468421	COL11A1	NM_001854	67	67	22	45	546	23084	122,14	100
chr1	103468655	103468882	COL11A1	NM_001854	67	67	21	54	592	25396	111,39	100
chr1	103469986	103470266	COL11A1	NM_001854	67	67	20,19	45,54	284	12334	43,89	100,0,100,0
chr1	103471411	103471922	COL11A1	NM_001854	67	67	18,17,16	54,54,54	600	27597	53,9	68,5,100,0,100,0
chr1	103473945	103474154	COL11A1	NM_001854	67	67	15	54	338	14625	69,64	100
chr1	103477866	103478051	COL11A1	NM_001854	67	67	14	57	247	10799	58,06	100
chr1	103479972	103480193	COL11A1	NM_001854	67	67	13	84	583	25505	114,89	100
chr1	103481160	103481360	COL11A1	NM_001854	67	67	12	75	33	1043	5,19	100
chr1	103483297	103483518	COL11A1	NM_001854	67	67	11	63	304	13621	61,36	100
chr1	103484339	103484509	COL11A1	NM_001854	67	67	10	42	139	5983	34,99	100
chr1	103487175	103487363	COL11A1	NM_001854	67	67	9	63	1028	45179	239,04	100
chr1	103488251	103488525	COL11A1	NM_001854	67	67	8	255	913	38179	138,83	89,4
chr1	103491037	103491216	COL11A1	NM_001854	67	67	7	93	248	9905	55,03	100
chr1	103491654	103491875	COL11A1	NM_001854	67	67	6	117	569	25045	112,82	88,9
chr1	103496506	103496875	COL11A1	NM_001854	67	67	5	129	464	21691	58,62	100
chr1	103540208	103540414	COL11A1	NM_001854	67	67	4	163	111	4864	23,5	79,1
chr1	103544175	103544375	COL11A1	NM_001854	67	67	3	214	186	8589	42,73	75,7
chr1	103548359	103548532	COL11A1	NM_001854	67	67	2	168	226	9427	54,18	100
chr1	103573568	103573827	COL11A1	NM_001854	67	67	1	106	1126	48686	187,25	100
chr1	109427987	109428205	GPSM2	NM_013296	15	14	2	56	165	7251	33,11	100
chr1	109439411	109439676	GPSM2	NM_013296	15	14	3	222	359	16239	61,05	86
chr1	109440078	109440281	GPSM2	NM_013296	15	14	4	136	229	9351	45,84	100
chr1	109440530	109440721	GPSM2	NM_013296	15	14	5	143	449	20622	107,41	98,6
chr1	109441214	109441604	GPSM2	NM_013296	15	14	6,7	124,116	928	44797	114,57	100,0,89,7
chr1	109444362	109444544	GPSM2	NM_013296	15	14	8	156	354	14782	80,78	85,3
chr1	109445701	109445886	GPSM2	NM_013296	15	14	9	109	321	14486	77,88	100
chr1	109446693	109446869	GPSM2	NM_013296	15	14	10	130	229	7998	45,19	94,6
chr1	109456870	109457067	GPSM2	NM_013296	15	14	11	71	88	3352	16,93	100
chr1	109461207	109461419	GPSM2	NM_013296	15	14	12	177	447	19172	90,01	100

chr1	109465063	109465236	GPSM2	NM_013296	15	14	13	160	565	23340	134,14	85
chr1	109466573	109466924	GPSM2	NM_013296	15	14	14	215	899	43266	122,91	100
chr1	109472382	109472656	GPSM2	NM_013296	15	14	15	240	406	17587	63,95	75,4
chr1	160011095	160012255	KCNJ10	NM_002241	2	1	2	1140	4054	192716	165,99	94,1
chr1	215798997	215799191	USH2A	NM_206933	72	71	72	90	274	11348	58,19	76,7
chr1	215802174	215802478	USH2A	NM_206933	72	71	71	222	453	20762	68,07	91,9
chr1	215807821	215808101	USH2A	NM_206933	72	71	70	245	1041	47289	168,29	91,8
chr1	215812432	215812653	USH2A	NM_206933	72	71	69	84	204	8696	39,17	100
chr1	215813959	215814156	USH2A	NM_206933	72	71	68	177	556	23630	119,34	66,7
chr1	215820915	215821139	USH2A	NM_206933	72	71	67	209	147	6207	27,59	75,6
chr1	215821920	215822197	USH2A	NM_206933	72	71	66	239	440	19681	70,79	79,1
chr1	215824010	215824213	USH2A	NM_206933	72	71	65	210	344	13614	66,74	63,8
chr1	215844234	215844594	USH2A	NM_206933	72	71	64	322	1041	46647	129,22	87,3
chr1	215847404	215848985	USH2A	NM_206933	72	71	63	1517	5711	273665	172,99	100
chr1	215853461	215853759	USH2A	NM_206933	72	71	62	228	689	31314	104,73	100
chr1	215901305	215901671	USH2A	NM_206933	72	71	61	355	1127	53042	144,53	84,5
chr1	215914703	215914897	USH2A	NM_206933	72	71	60	163	198	9083	46,58	100
chr1	215916479	215916661	USH2A	NM_206933	72	71	59	159	411	18904	103,3	89,9
chr1	215931969	215932163	USH2A	NM_206933	72	71	58	158	429	18490	94,82	79,7
chr1	215932966	215933175	USH2A	NM_206933	72	71	57	184	736	31329	149,19	94,6
chr1	215939970	215940185	USH2A	NM_206933	72	71	56	108	255	11141	51,58	100
chr1	215953249	215953458	USH2A	NM_206933	72	71	55	199	580	25537	121,6	67,8
chr1	215955405	215955575	USH2A	NM_206933	72	71	54	155	254	11424	66,81	86,5
chr1	215956075	215956293	USH2A	NM_206933	72	71	53	198	311	13893	63,44	100
chr1	215959962	215960147	USH2A	NM_206933	72	71	52	205	330	14551	78,23	66,3
chr1	215963369	215963643	USH2A	NM_206933	72	71	51	224	1091	49524	180,09	100
chr1	215972256	215972512	USH2A	NM_206933	72	71	50	219	1623	70581	274,63	96,8
chr1	215987080	215987274	USH2A	NM_206933	72	71	49	169	274	11106	56,95	98,8
chr1	215990328	215990549	USH2A	NM_206933	72	71	48	199	343	15034	67,72	100
chr1	216011288	216011476	USH2A	NM_206933	72	71	47	113	119	4897	25,91	100
chr1	216017600	216017815	USH2A	NM_206933	72	71	46	203	378	16502	76,4	88,7
chr1	216019221	216019433	USH2A	NM_206933	72	71	45	210	229	9755	45,8	73,8
chr1	216040285	216040515	USH2A	NM_206933	72	71	44	164	550	24318	105,27	100
chr1	216051081	216051287	USH2A	NM_206933	72	71	43	123	672	29277	141,43	100
chr1	216052146	216052500	USH2A	NM_206933	72	71	42	335	1300	61636	173,62	88,1
chr1	216061816	216062496	USH2A	NM_206933	72	71	41	629	4582	222174	326,25	92,4
chr1	216073375	216073587	USH2A	NM_206933	72	71	40	143	264	11390	53,47	100
chr1	216074011	216074199	USH2A	NM_206933	72	71	39	151	361	15644	82,77	68,2
chr1	216107941	216108153	USH2A	NM_206933	72	71	38	180	171	6807	31,96	100
chr1	216138627	216138851	USH2A	NM_206933	72	71	37	163	70	2888	12,84	100
chr1	216143906	216144121	USH2A	NM_206933	72	71	36	152	379	16371	75,79	100
chr1	216166290	216166463	USH2A	NM_206933	72	71	35	148	529	23204	133,36	68,9
chr1	216172175	216172375	USH2A	NM_206933	72	71	34	172	169	7725	38,43	85,5
chr1	216173655	216173849	USH2A	NM_206933	72	71	33	160	327	15683	80,43	65,6
chr1	216219768	216219995	USH2A	NM_206933	72	71	32	162	105	4280	18,77	100
chr1	216221826	216222044	USH2A	NM_206933	72	71	31	114	211	8694	39,7	100
chr1	216243510	216243710	USH2A	NM_206933	72	71	30	192	982	42727	212,57	65,1
chr1	216246231	216246698	USH2A	NM_206933	72	71	29,28	81.204	1790	82628	176,56	100.0,100.0
chr1	216251499	216251773	USH2A	NM_206933	72	71	27	274	464	22220	80,8	75,2
chr1	216256810	216257028	USH2A	NM_206933	72	71	26	131	268	11080	50,59	90,8
chr1	216257990	216258211	USH2A	NM_206933	72	71	25	180	134	5640	25,41	95,6

chr2	26699780	26700863	OTOF	NM_194248	47	46	22,21,20,19	153,117,91,101	1616	75588	69,73	86.3,100.0,100.0,100.0
chr2	26702154	26702618	OTOF	NM_194248	47	46	18,17	121.181	178	7888	16,96	81.8,100.0
chr2	26703063	26703260	OTOF	NM_194248	47	46	16	109	452	19579	98,88	100
chr2	26703688	26703956	OTOF	NM_194248	47	46	15	224	263	12371	45,99	84,8
chr2	26705266	26705457	OTOF	NM_194248	47	46	14	187	968	40787	212,43	98,4
chr2	26706307	26706486	OTOF	NM_194248	47	46	13	187	183	7645	42,47	84
chr2	26707336	26707512	OTOF	NM_194248	47	46	12	160	807	33792	190,92	100
chr2	26712062	26712253	OTOF	NM_194248	47	46	11	85	192	8570	44,64	100
chr2	26712479	26712667	OTOF	NM_194248	47	46	10	63	84	3651	19,32	100
chr2	26717757	26717936	OTOF	NM_194248	47	46	9	132	555	22689	126,05	96,2
chr2	26724479	26724694	OTOF	NM_194248	47	46	8	55	946	41364	191,5	100
chr2	26725193	26725405	OTOF	NM_194248	47	46	7	127	297	12618	59,24	80,3
chr2	26726651	26726845	OTOF	NM_194248	47	46	6	74	91	4268	21,89	85,1
chr2	26739336	26739551	OTOF	NM_194248	47	46	5	182	327	14312	66,26	72,5
chr2	26741782	26741958	OTOF	NM_194248	47	46	4	100	1101	47290	267,18	81
chr2	26750610	26750810	OTOF	NM_194248	47	46	3	89	442	18512	92,1	100
chr2	26760578	26760757	OTOF	NM_194248	47	46	2	59	490	21245	118,03	100
chr2	26781320	26781529	OTOF	NM_194248	47	46	1	79	45	1869	8,9	100
chr2	55863289	55863599	PNPT1	NM_033109	28	28	28	156	288	12783	41,1	100
chr2	55864619	55864819	PNPT1	NM_033109	28	28	27	48	194	7591	37,77	100
chr2	55867625	55867840	PNPT1	NM_033109	28	28	26	79	151	6407	29,66	100
chr2	55870226	55870491	PNPT1	NM_033109	28	28	25,24	56.107	255	10809	40,64	100.0,35.5
chr2	55871743	55871958	PNPT1	NM_033109	28	28	23	84	184	8157	37,76	100
chr2	55872500	55872700	PNPT1	NM_033109	28	28	22	84	200	7615	37,89	81
chr2	55873322	55873572	PNPT1	NM_033109	28	28	21,20	64,72	319	13329	53,1	100.0,31.9
chr2	55874445	55874645	PNPT1	NM_033109	28	28	19	107	363	15975	79,48	100
chr2	55882036	55882233	PNPT1	NM_033109	28	28	18	54	52	2167	10,94	98,1
chr2	55883320	55883591	PNPT1	NM_033109	28	28	17,16	90,67	584	27090	99,6	40.0,100.0
chr2	55887200	55887403	PNPT1	NM_033109	28	28	15	37	93	3649	17,89	100
chr2	55889085	55889300	PNPT1	NM_033109	28	28	14	71	58	2599	12,03	100
chr2	55894151	55894324	PNPT1	NM_033109	28	28	13	103	913	38537	221,48	75,7
chr2	55895010	55895216	PNPT1	NM_033109	28	28	12	97	184	7947	38,39	86,6
chr2	55898457	55898630	PNPT1	NM_033109	28	28	11	58	86	3511	20,18	94,8
chr2	55899064	55899258	PNPT1	NM_033109	28	28	10	52	459	20031	102,72	100
chr2	55900081	55900296	PNPT1	NM_033109	28	28	9	187	205	8372	38,76	71,7
chr2	55906848	55907033	PNPT1	NM_033109	28	28	8	114	980	41026	220,57	72,8
chr2	55907876	55908091	PNPT1	NM_033109	28	28	7,6	48,64	490	21548	99,76	39.6,100.0
chr2	55910856	55911038	PNPT1	NM_033109	28	28	5	50	163	7022	38,37	100
chr2	55912105	55912290	PNPT1	NM_033109	28	28	4	106	213	7966	42,83	74,5
chr2	55913516	55913686	PNPT1	NM_033109	28	28	3	75	92	3932	22,99	85,3
chr2	55914784	55914978	PNPT1	NM_033109	28	28	2	61	245	10571	54,21	93,4
chr2	55920714	55921006	PNPT1	NM_033109	28	28	1	161	1265	57272	195,47	100
chr2	71162992	71163210	ATP6V1B1	NM_001692	14	14	1	118	29	1073	4,9	100
chr2	71170548	71170926	ATP6V1B1	NM_001692	14	14	2	56	255	10976	28,96	100
chr2	71185199	71185552	ATP6V1B1	NM_001692	14	14	3,4	99,94	1032	48270	136,36	76.8,95.7
chr2	71186122	71186325	ATP6V1B1	NM_001692	14	14	5	78	679	28954	141,93	100
chr2	71187023	71187214	ATP6V1B1	NM_001692	14	14	6	140	427	18622	96,99	100
chr2	71188021	71188206	ATP6V1B1	NM_001692	14	14	7	102	457	20977	112,78	100
chr2	71188687	71188863	ATP6V1B1	NM_001692	14	14	8	98	354	15211	85,94	100
chr2	71189883	71190068	ATP6V1B1	NM_001692	14	14	9	124	463	19924	107,12	100
chr2	71190236	71190445	ATP6V1B1	NM_001692	14	14	10	151	868	38958	185,51	100

chr2	227967783	227967977	COL4A4	NM_000092	48	47	14	54	442	17856	91,57	100
chr2	227968619	227968831	COL4A4	NM_000092	48	47	13	81	141	5938	27,88	100
chr2	227973175	227973390	COL4A4	NM_000092	48	47	12	42	371	16173	74,88	100
chr2	227973424	227973636	COL4A4	NM_000092	48	47	11	36	198	8081	37,94	100
chr2	227973810	227974158	COL4A4	NM_000092	48	47	10	63	689	31618	90,6	100
chr2	227976272	227976496	COL4A4	NM_000092	48	47	9	36	262	11081	49,25	100
chr2	227979189	227979386	COL4A4	NM_000092	48	47	8	69	362	13511	68,24	62,3
chr2	227983243	227983443	COL4A4	NM_000092	48	47	7	117	552	24827	123,52	70,9
chr2	227984547	227984720	COL4A4	NM_000092	48	47	6	45	44	1767	10,16	100
chr2	227985638	227985948	COL4A4	NM_000092	48	47	5	135	539	25013	80,43	100
chr2	228004800	228005015	COL4A4	NM_000092	48	47	4	78	700	28421	131,58	100
chr2	228009203	228009427	COL4A4	NM_000092	48	47	3	43	164	6827	30,34	100
chr2	228012038	228012315	COL4A4	NM_000092	48	47	2	71	653	29771	107,09	100
chr2	228029282	228029494	COL4A3	NM_000091	52	52	1	87	4	184	0,86	59,8
chr2	228102680	228102859	COL4A3	NM_000091	52	52	2	57	147	5716	31,76	100
chr2	228104743	228104931	COL4A3	NM_000091	52	52	3	90	636	27808	147,13	81,1
chr2	228108978	228109187	COL4A3	NM_000091	52	52	4	45	390	17227	82,03	100
chr2	228109529	228109738	COL4A3	NM_000091	52	52	5	45	136	5580	26,57	100
chr2	228110675	228110872	COL4A3	NM_000091	52	52	6	63	270	11269	56,91	92,1
chr2	228111439	228111639	COL4A3	NM_000091	52	52	7	54	430	18125	90,17	29,6
chr2	228112183	228112377	COL4A3	NM_000091	52	52	8	27	222	9800	50,26	100
chr2	228113097	228113297	COL4A3	NM_000091	52	52	9	78	251	10474	52,11	100
chr2	228115786	228116096	COL4A3	NM_000091	52	52	10,11	63,36	289	13265	42,65	100.0,100.0
chr2	228117987	228118326	COL4A3	NM_000091	52	52	12,13	42,78	575	25388	74,67	100.0,64.1
chr2	228118743	228118970	COL4A3	NM_000091	52	52	14	63	301	13891	60,93	100
chr2	228119325	228119546	COL4A3	NM_000091	52	52	15	60	390	15162	68,3	100
chr2	228120678	228120869	COL4A3	NM_000091	52	52	16	45	236	10876	56,65	100
chr2	228121035	228121238	COL4A3	NM_000091	52	52	17	54	291	11684	57,27	100
chr2	228122242	228122430	COL4A3	NM_000091	52	52	18	42	392	16721	88,47	100
chr2	228124440	228124726	COL4A3	NM_000091	52	52	19	85	267	12126	42,25	100
chr2	228125709	228125918	COL4A3	NM_000091	52	52	20	36	241	10406	49,55	100
chr2	228128420	228128602	COL4A3	NM_000091	52	52	21	165	378	15248	83,32	64,8
chr2	228131075	228131293	COL4A3	NM_000091	52	52	22	93	238	10274	46,91	100
chr2	228131725	228131916	COL4A3	NM_000091	52	52	23	96	508	22113	115,17	83,3
chr2	228134527	228134724	COL4A3	NM_000091	52	52	24	71	130	5729	28,93	100
chr2	228135413	228135631	COL4A3	NM_000091	52	52	25	183	218	9646	44,05	79,8
chr2	228137576	228137776	COL4A3	NM_000091	52	52	26	169	218	8400	41,79	66,3
chr2	228141001	228141174	COL4A3	NM_000091	52	52	27	93	401	16670	95,8	79,6
chr2	228142089	228142301	COL4A3	NM_000091	52	52	28	105	215	9172	43,06	100
chr2	228144412	228144585	COL4A3	NM_000091	52	52	29	98	127	5510	31,67	78,6
chr2	228145199	228145399	COL4A3	NM_000091	52	52	30	151	473	19283	95,94	71,5
chr2	228145502	228145702	COL4A3	NM_000091	52	52	31	114	137	5662	28,17	82,5
chr2	228147118	228147324	COL4A3	NM_000091	52	52	32	168	170	7081	34,21	78
chr2	228148412	228148642	COL4A3	NM_000091	52	52	33	90	259	11367	49,21	100
chr2	228148968	228149150	COL4A3	NM_000091	52	52	34	135	714	29792	162,8	69,6
chr2	228153829	228154044	COL4A3	NM_000091	52	52	35	99	267	12087	55,96	100
chr2	228154611	228154784	COL4A3	NM_000091	52	52	36	90	427	17752	102,02	77,8
chr2	228155387	228155572	COL4A3	NM_000091	52	52	37	140	222	9477	50,95	78,6
chr2	228157824	228157997	COL4A3	NM_000091	52	52	38	127	237	9501	54,6	71,7
chr2	228159130	228159339	COL4A3	NM_000091	52	52	39	81	285	12991	61,86	100
chr2	228159628	228159837	COL4A3	NM_000091	52	52	40	99	396	17331	82,53	100

chr3	193361746	193361970	OPA1	NM_130837	31	30	16	131	162	6921	30,76	100
chr3	193363310	193363602	OPA1	NM_130837	31	30	17,18	73,73	122	4934	16,84	100,0,100,0
chr3	193364847	193365041	OPA1	NM_130837	31	30	19	116	292	12480	64	100
chr3	193365745	193365954	OPA1	NM_130837	31	30	20	65	376	16257	77,41	100
chr3	193366470	193366661	OPA1	NM_130837	31	30	21	77	203	9274	48,3	100
chr3	193372636	193372827	OPA1	NM_130837	31	30	22	166	199	8508	44,31	100
chr3	193374859	193375029	OPA1	NM_130837	31	30	23	153	207	9047	52,91	100
chr3	193376659	193376859	OPA1	NM_130837	31	30	24	109	290	12808	63,72	100
chr3	193377222	193377410	OPA1	NM_130837	31	30	25	80	167	6958	36,81	100
chr3	193380607	193380810	OPA1	NM_130837	31	30	26	141	97	4040	19,8	100
chr3	193382629	193382832	OPA1	NM_130837	31	30	27	117	151	6909	33,87	100
chr3	193384043	193384219	OPA1	NM_130837	31	30	28	94	224	9165	51,78	100
chr3	193384900	193385168	OPA1	NM_130837	31	30	29	111	994	43253	160,79	100
chr3	193409845	193410054	OPA1	NM_130837	31	30	30	65	127	5481	26,1	100
chr4	6279081	6279373	WFS1	NM_006005	8	7	2	232	148	6075	20,73	82,3
chr4	6288700	6288885	WFS1	NM_006005	8	7	3	83	495	19949	107,25	79,5
chr4	6290748	6290951	WFS1	NM_006005	8	7	4	145	30	1316	6,45	76,6
chr4	6292833	6293045	WFS1	NM_006005	8	7	5	171	413	16844	79,08	71,3
chr4	6293514	6293720	WFS1	NM_006005	8	7	6	81	26	991	4,79	95,1
chr4	6296697	6296879	WFS1	NM_006005	8	7	7	149	309	13719	74,97	75,2
chr4	6302407	6304281	WFS1	NM_006005	8	7	8	1812	5669	270586	144,31	98,7
chr4	15477439	15477621	CC2D2A	NM_020785	7	5	3	39	126	5207	28,45	100
chr4	15480222	15480422	CC2D2A	NM_020785	7	5	4	84	213	8915	44,35	90,5
chr4	15480728	15480928	CC2D2A	NM_020785	7	5	5	106	411	17710	88,11	77,4
chr4	15482349	15482558	CC2D2A	NM_020785	7	5	6	124	407	17479	83,23	83,1
chr4	42895321	42895755	GRXCR1	NM_001080476	4	4	1	384	2820	127651	293,45	90,4
chr4	42964853	42965124	GRXCR1	NM_001080476	4	4	2	243	480	21535	79,17	88,9
chr4	43022261	43022458	GRXCR1	NM_001080476	4	4	3	66	382	16326	82,45	100
chr4	43032270	43032630	GRXCR1	NM_001080476	4	4	4	180	1776	81382	225,43	100
chr4	88531901	88532122	DSPP	NM_014208	5	4	2	51	49	1953	8,8	100
chr4	88533226	88534531	DSPP	NM_014208	5	4	3,4	84,987	1243	59393	45,48	100,0,100,0
chr4	88534851	88535993	DSPP	NM_014208	5	4	5	2784	2811	132439	115,87	38
chr4	88536273	88536393	DSPP	NM_014208	5	4	5	2784	410	12949	107,02	4,3
chr4	88537583	88537703	DSPP	NM_014208	5	4	5	2784	757	27298	225,6	4,3
chr5	68715140	68716303	MARVELD2	NM_001038603	7	6	2	1146	3993	191144	164,21	95,2
chr5	68720279	68720494	MARVELD2	NM_001038603	7	6	3	36	103	4458	20,64	100
chr5	68728255	68728455	MARVELD2	NM_001038603	7	6	4	149	160	7362	36,63	68,5
chr5	68728683	68728868	MARVELD2	NM_001038603	7	6	5	172	557	24056	129,33	69,8
chr5	68736273	68736470	MARVELD2	NM_001038603	7	6	6	51	87	3800	19,19	100
chr5	68737321	68737521	MARVELD2	NM_001038603	7	6	7	123	50	2401	11,95	100
chr5	89910694	89910903	GPR98	NM_032119	90	90	2	185	24	989	4,71	77,3
chr5	89913595	89913792	GPR98	NM_032119	90	90	3	150	434	19893	100,47	100
chr5	89914859	89915035	GPR98	NM_032119	90	90	4	96	53	2447	13,82	100
chr5	89918293	89918517	GPR98	NM_032119	90	90	5	105	338	14655	65,13	99
chr5	89920891	89921097	GPR98	NM_032119	90	90	6	114	455	19863	95,96	100
chr5	89922977	89923565	GPR98	NM_032119	90	90	7	566	1367	64529	109,56	95,1
chr5	89924351	89924616	GPR98	NM_032119	90	90	8	271	3855	178361	670,53	87,8
chr5	89925014	89925368	GPR98	NM_032119	90	90	9	330	799	34971	98,51	100
chr5	89930936	89931148	GPR98	NM_032119	90	90	10	177	422	18332	86,07	97,2
chr5	89933510	89933778	GPR98	NM_032119	90	90	11	224	562	24373	90,61	100
chr5	89938372	89938824	GPR98	NM_032119	90	90	12,13	127,186	880	40399	89,18	100,0,81,7

chr5	89939558	89939764	GPR98	NM_032119	90	90	14	181	384	17206	83,12	80,1
chr5	89940507	89940689	GPR98	NM_032119	90	90	15	164	296	12356	67,52	100
chr5	89941749	89941940	GPR98	NM_032119	90	90	16	124	152	6713	34,96	100
chr5	89943262	89943551	GPR98	NM_032119	90	90	17	267	531	24253	83,63	88,8
chr5	89947416	89947598	GPR98	NM_032119	90	90	18	127	134	5753	31,44	100
chr5	89948141	89948341	GPR98	NM_032119	90	90	19	218	219	9314	46,34	82,1
chr5	89948963	89949886	GPR98	NM_032119	90	90	20	744	1680	81096	87,77	100
chr5	89953665	89954013	GPR98	NM_032119	90	90	21	374	702	31019	88,88	78,1
chr5	89968386	89968574	GPR98	NM_032119	90	90	22	177	348	14311	75,72	87
chr5	89969878	89970105	GPR98	NM_032119	90	90	23	181	738	31107	136,43	96,1
chr5	89971132	89971320	GPR98	NM_032119	90	90	24	203	335	13605	71,98	64,5
chr5	89971918	89972118	GPR98	NM_032119	90	90	25	130	87	3946	19,63	83,8
chr5	89975272	89975487	GPR98	NM_032119	90	90	26	81	635	28772	133,2	100
chr5	89977086	89977307	GPR98	NM_032119	90	90	27	140	438	19223	86,59	100
chr5	89979392	89980007	GPR98	NM_032119	90	90	28	610	1337	62819	101,98	99,2
chr5	89981532	89981741	GPR98	NM_032119	90	90	29	216	480	20545	97,83	67,1
chr5	89985748	89985942	GPR98	NM_032119	90	90	30	216	80	3653	18,73	67,6
chr5	89986532	89986919	GPR98	NM_032119	90	90	31	245	1810	83307	214,71	100
chr5	89988427	89988603	GPR98	NM_032119	90	90	32	182	688	29309	165,59	97,3
chr5	89989647	89990517	GPR98	NM_032119	90	90	33	812	1735	82801	95,06	99,9
chr5	89992773	89992994	GPR98	NM_032119	90	90	34	210	209	9373	42,22	91
chr5	89999515	89999703	GPR98	NM_032119	90	90	35	131	345	13767	72,84	74,8
chr5	90000140	90000316	GPR98	NM_032119	90	90	36	100	470	20006	113,03	100
chr5	90001239	90001433	GPR98	NM_032119	90	90	37	180	476	20915	107,26	87,8
chr5	90002020	90002226	GPR98	NM_032119	90	90	38	164	480	21545	104,08	100
chr5	90004618	90004803	GPR98	NM_032119	90	90	39	94	721	29323	157,65	100
chr5	90006770	90007112	GPR98	NM_032119	90	90	40,41	79.139	236	10835	31,59	100,0,80.6
chr5	90008113	90008310	GPR98	NM_032119	90	90	42	142	87	3255	16,44	93,7
chr5	90012259	90012521	GPR98	NM_032119	90	90	43	263	621	27157	103,26	90,5
chr5	90015846	90016067	GPR98	NM_032119	90	90	44	176	324	13039	58,73	100
chr5	90016713	90016901	GPR98	NM_032119	90	90	45	125	998	43860	232,06	100
chr5	90020607	90021050	GPR98	NM_032119	90	90	46,47	158.147	243	10948	24,66	100,0,100.0
chr5	90021268	90021462	GPR98	NM_032119	90	90	48	108	494	22806	116,95	89,8
chr5	90024432	90024742	GPR98	NM_032119	90	90	49	265	530	24230	77,91	97
chr5	90025449	90025649	GPR98	NM_032119	90	90	50	123	642	27120	134,93	100
chr5	90040814	90041067	GPR98	NM_032119	90	90	51	220	1323	59997	236,21	93,2
chr5	90041424	90041636	GPR98	NM_032119	90	90	52	205	317	14242	66,86	92,2
chr5	90046313	90046504	GPR98	NM_032119	90	90	53	147	500	21914	114,14	93,2
chr5	90049387	90049673	GPR98	NM_032119	90	90	54	256	473	21613	75,31	100
chr5	90050740	90050928	GPR98	NM_032119	90	90	55	203	395	17143	90,7	63,5
chr5	90052327	90052530	GPR98	NM_032119	90	90	56	177	252	10813	53	68,4
chr5	90052741	90052965	GPR98	NM_032119	90	90	57	183	211	9146	40,65	92,9
chr5	90055167	90055497	GPR98	NM_032119	90	90	58	180	994	45654	137,93	100
chr5	90059088	90059318	GPR98	NM_032119	90	90	59	165	321	14644	63,39	100
chr5	90069925	90070134	GPR98	NM_032119	90	90	60	118	234	10518	50,09	100
chr5	90072225	90072446	GPR98	NM_032119	90	90	61	124	249	10649	47,97	100
chr5	90073651	90073872	GPR98	NM_032119	90	90	62	139	134	5959	26,84	100
chr5	90074180	90074365	GPR98	NM_032119	90	90	63	183	376	16402	88,18	66,7
chr5	90074642	90074943	GPR98	NM_032119	90	90	64	233	230	9885	32,73	100
chr5	90077091	90077469	GPR98	NM_032119	90	90	65	149	685	29958	79,04	100
chr5	90078911	90079120	GPR98	NM_032119	90	90	66	202	126	5491	26,15	89,1

chr5	90079693	90079958	GPR98	NM_032119	90	90	67	220	641	29300	110,15	82,7
chr5	90083831	90084108	GPR98	NM_032119	90	90	68	240	526	23708	85,28	92,1
chr5	90085493	90085693	GPR98	NM_032119	90	90	69	150	48	2108	10,49	100
chr5	90086720	90087246	GPR98	NM_032119	90	90	70	474	1127	52921	100,42	93,7
chr5	90098455	90098658	GPR98	NM_032119	90	90	71	144	817	36601	179,42	71,5
chr5	90101054	90101254	GPR98	NM_032119	90	90	72	175	401	17375	86,44	88
chr5	90103335	90103514	GPR98	NM_032119	90	90	73	136	68	2885	16,03	70,6
chr5	90106064	90107197	GPR98	NM_032119	90	90	74	1106	4832	235509	207,68	98,7
chr5	90111385	90111600	GPR98	NM_032119	90	90	75	118	210	8741	40,47	100
chr5	90119269	90119451	GPR98	NM_032119	90	90	76	172	486	20159	110,16	84,3
chr5	90124786	90125048	GPR98	NM_032119	90	90	77	243	380	16071	61,11	89,7
chr5	90136378	90136809	GPR98	NM_032119	90	90	78	408	775	34347	79,51	100
chr5	90144445	90144660	GPR98	NM_032119	90	90	79	185	255	10966	50,77	100
chr5	90149091	90149353	GPR98	NM_032119	90	90	80	250	502	22620	86,01	100
chr5	90149872	90150075	GPR98	NM_032119	90	90	81	140	209	9314	45,66	100
chr5	90151498	90151713	GPR98	NM_032119	90	90	82	161	516	21807	100,96	96,9
chr5	90159538	90159768	GPR98	NM_032119	90	90	83	101	336	15651	67,75	100
chr5	90261177	90261395	GPR98	NM_032119	90	90	84	117	243	10448	47,71	100
chr5	90281119	90281331	GPR98	NM_032119	90	90	85	179	541	22834	107,2	95,5
chr5	90368230	90368454	GPR98	NM_032119	90	90	86	158	140	6430	28,58	100
chr5	90398026	90398217	GPR98	NM_032119	90	90	87	122	413	19105	99,51	100
chr5	90445833	90446030	GPR98	NM_032119	90	90	88	192	561	24374	123,1	95,8
chr5	90449092	90449271	GPR98	NM_032119	90	90	89	178	299	12618	70,1	69,7
chr5	90459529	90459824	GPR98	NM_032119	90	90	90	119	1349	59457	200,87	100
chr5	118788154	118788458	HSD17B4	NM_000414	24	24	1	58	306	12220	40,07	100
chr5	118791939	118792130	HSD17B4	NM_000414	24	24	2	54	184	7536	39,25	100
chr5	118809571	118809747	HSD17B4	NM_000414	24	24	3	108	83	3604	20,36	100
chr5	118809980	118810186	HSD17B4	NM_000414	24	24	4	60	241	10780	52,08	100
chr5	118811445	118811627	HSD17B4	NM_000414	24	24	6	47	607	25798	140,97	100
chr5	118813092	118813295	HSD17B4	NM_000414	24	24	7	85	353	16305	79,93	100
chr5	118814588	118814773	HSD17B4	NM_000414	24	24	8	188	470	18877	101,49	68,6
chr5	118824841	118825041	HSD17B4	NM_000414	24	24	9	92	706	31612	157,27	100
chr5	118827700	118827897	HSD17B4	NM_000414	24	24	10	25	240	10518	53,12	100
chr5	118829419	118829610	HSD17B4	NM_000414	24	24	11	129	162	7027	36,6	76
chr5	118832264	118832458	HSD17B4	NM_000414	24	24	12	104	1486	59583	305,55	75
chr5	118835064	118835317	HSD17B4	NM_000414	24	24	13	237	375	15571	61,3	78,1
chr5	118837598	118837792	HSD17B4	NM_000414	24	24	14	52	210	8683	44,53	100
chr5	118842523	118842714	HSD17B4	NM_000414	24	24	15	72	82	3560	18,54	86,1
chr5	118844820	118845002	HSD17B4	NM_000414	24	24	16	104	344	13980	76,39	100
chr5	118850680	118850883	HSD17B4	NM_000414	24	24	17	66	249	11104	54,43	93,9
chr5	118860830	118861027	HSD17B4	NM_000414	24	24	18	70	295	12688	64,08	100
chr5	118861573	118861776	HSD17B4	NM_000414	24	24	19	107	564	24371	119,47	100
chr5	118862845	118863024	HSD17B4	NM_000414	24	24	20	87	144	6061	33,67	80,5
chr5	118865564	118865758	HSD17B4	NM_000414	24	24	21	87	364	16366	83,93	100
chr5	118866914	118867126	HSD17B4	NM_000414	24	24	22	139	177	7668	36	100
chr5	118872081	118872281	HSD17B4	NM_000414	24	24	23	128	433	18942	94,24	100
chr5	118877646	118877852	HSD17B4	NM_000414	24	24	24	90	556	25254	122	48,9
chr5	140053734	140053943	HARS	NM_002109	13	13	13	72	432	18297	87,13	100
chr5	140054278	140054466	HARS	NM_002109	13	13	12	147	1648	71777	379,77	90,5
chr5	140054487	140054708	HARS	NM_002109	13	13	11	117	711	28733	129,43	91,5
chr5	140056227	140056765	HARS	NM_002109	13	13	10,9	243.128	1849	83297	154,54	100,0,100,0

chr5	140056798	140057010	HARS	NM_002109	13	13	8	94	1131	48909	229,62	100
chr5	140057203	140057581	HARS	NM_002109	13	13	7,6	99.108	1499	72905	192,36	100.0,82.4
chr5	140058618	140058797	HARS	NM_002109	13	13	5	126	250	10430	57,94	75,4
chr5	140059278	140059505	HARS	NM_002109	13	13	4	96	497	22271	97,68	100
chr5	140062593	140062772	HARS	NM_002109	13	13	3	120	1106	49772	276,51	73,3
chr5	140070333	140070512	HARS	NM_002109	13	13	2	90	794	32315	179,53	81,1
chr5	140070840	140071058	HARS	NM_002109	13	13	1	90	190	7420	33,88	55,6
chr5	140073135	140073308	HARS2	NM_012208	13	13	2	75	1182	48102	276,45	100
chr5	140073479	140073833	HARS2	NM_012208	13	13	3,4	120,96	1342	59931	168,82	100.0,66.7
chr5	140075036	140075707	HARS2	NM_012208	13	13	5,6,7	126,108,99	1723	83583	124,38	100.0,100.0,20.2
chr5	140076013	140076216	HARS2	NM_012208	13	13	8	94	430	18950	92,89	100
chr5	140076575	140077344	HARS2	NM_012208	13	13	9,10,11	128.243.117	2127	98281	127,64	63.3,100.0,100.0
chr5	140077432	140077623	HARS2	NM_012208	13	13	12	147	280	12146	63,26	72,8
chr5	140078094	140078273	HARS2	NM_012208	13	13	13	60	628	27873	154,85	73,3
chr5	140896364	140896641	DIAPH1	NM_005219	28	28	28	158	895	40853	146,95	100
chr5	140903694	140903891	DIAPH1	NM_005219	28	28	27	87	561	23429	118,33	100
chr5	140905671	140906111	DIAPH1	NM_005219	28	28	26,25	136.165	629	28894	65,52	51.5,100.0
chr5	140907038	140907235	DIAPH1	NM_005219	28	28	24	125	145	6561	33,14	76,8
chr5	140908048	140908568	DIAPH1	NM_005219	28	28	23,22	130.240	1406	68003	130,52	78.5,100.0
chr5	140908746	140908958	DIAPH1	NM_005219	28	28	21	102	487	21296	99,98	93,1
chr5	140909158	140909337	DIAPH1	NM_005219	28	28	20	95	673	28303	157,24	100
chr5	140913889	140914074	DIAPH1	NM_005219	28	28	19	99	148	6521	35,06	100
chr5	140951433	140951642	DIAPH1	NM_005219	28	28	17	115	469	20507	97,65	100
chr5	140953090	140953865	DIAPH1	NM_005219	28	28	16	717	809	38560	49,69	95,7
chr5	140954583	140954780	DIAPH1	NM_005219	28	28	15	180	615	27348	138,12	72,8
chr5	140955704	140955895	DIAPH1	NM_005219	28	28	14	65	228	9300	48,44	100
chr5	140956235	140956453	DIAPH1	NM_005219	28	28	13	116	144	6119	27,94	100
chr5	140956966	140957166	DIAPH1	NM_005219	28	28	12	117	200	9137	45,46	100
chr5	140957834	140958277	DIAPH1	NM_005219	28	28	11,10	119.111	750	35127	79,11	64.7,100.0
chr5	140958578	140958763	DIAPH1	NM_005219	28	28	9	109	409	16280	87,53	100
chr5	140960268	140960477	DIAPH1	NM_005219	28	28	8	140	217	8743	41,63	100
chr5	140961783	140961977	DIAPH1	NM_005219	28	28	7	64	456	19320	99,08	100
chr5	140962784	140962975	DIAPH1	NM_005219	28	28	6	87	637	27852	145,06	87,4
chr5	140963091	140963267	DIAPH1	NM_005219	28	28	5	131	745	33541	189,5	70,2
chr5	140963599	140963826	DIAPH1	NM_005219	28	28	4	102	26	985	4,32	100
chr5	140966586	140966792	DIAPH1	NM_005219	28	28	3	156	323	14020	67,73	100
chr5	140967703	140967888	DIAPH1	NM_005219	28	28	2	27	39	1608	8,65	100
chr5	140998307	140998572	DIAPH1	NM_005219	28	28	1	117	8	332	1,25	100
chr5	145718663	145718863	POU4F3	NM_002700	2	2	1	120	1286	57198	284,57	100
chr5	145719035	145720026	POU4F3	NM_002700	2	2	2	897	2505	119261	120,22	100
chr5	169532895	169533483	FOXI1	NM_012188	2	2	1	574	243	11625	19,74	90,9
chr5	169535043	169535732	FOXI1	NM_012188	2	2	2	563	2159	100301	145,36	100
chr6	2948476	2948978	SERPINB6	NM_001195291	8	7	8	402	2963	139425	277,19	100
chr6	2949143	2949370	SERPINB6	NM_001195291	8	7	7	156	638	27364	120,02	100
chr6	2953260	2953439	SERPINB6	NM_001195291	8	7	6	143	1634	68115	378,42	100
chr6	2954805	2955029	SERPINB6	NM_001195291	8	7	5	118	117	5294	23,53	100
chr6	2955721	2955945	SERPINB6	NM_001195291	8	7	4	147	191	7830	34,8	100
chr6	2959425	2959699	SERPINB6	NM_001195291	8	7	3	175	1116	50310	182,95	86,9
chr6	33131353	33131547	COL11A2	NM_080680	66	66	66	141	70	2811	14,42	66
chr6	33131986	33132171	COL11A2	NM_080680	66	66	65	207	540	23844	128,19	61,8
chr6	33132638	33132853	COL11A2	NM_080680	66	66	64	113	752	31678	146,66	92

chr6	33133392	33134005	COL11A2	NM_080680	66	66	63,62,61	268,54,36	1169	54019	87,98	75.4,100.0,100.0
chr6	33134191	33134566	COL11A2	NM_080680	66	66	60,59	54.108	2776	127971	340,35	100.0,64.8
chr6	33134749	33135281	COL11A2	NM_080680	66	66	58,57,56	54,54,108	595	26476	49,67	100.0,100.0,73.1
chr6	33135541	33135744	COL11A2	NM_080680	66	66	55	54	143	5809	28,48	100
chr6	33136272	33136549	COL11A2	NM_080680	66	66	54,53	54,54	202	9098	32,73	100.0,100.0
chr6	33136697	33136882	COL11A2	NM_080680	66	66	52	54	134	5403	29,05	100
chr6	33137062	33137247	COL11A2	NM_080680	66	66	51	108	386	16022	86,14	81,5
chr6	33137662	33137957	COL11A2	NM_080680	66	66	49	54	1119	52787	178,33	100
chr6	33138029	33138309	COL11A2	NM_080680	66	66	48	54	165	6950	24,73	100
chr6	33138609	33138800	COL11A2	NM_080680	66	66	46	108	93	4084	21,27	79,6
chr6	33138908	33139668	COL11A2	NM_080680	66	66	45,44,43,42	54,54,108,108	1354	64176	84,33	68.5,100.0,100.0,100.0
chr6	33139795	33139983	COL11A2	NM_080680	66	66	41	54	362	16319	86,34	100
chr6	33140095	33140437	COL11A2	NM_080680	66	66	40,39	90.108	664	29549	86,15	67.8,100.0
chr6	33140802	33140993	COL11A2	NM_080680	66	66	38	54	120	5079	26,45	100
chr6	33141126	33142052	COL11A2	NM_080680	66	66	37,36,35,34,33,32	54,54,45,54,45,44	1800	86082	92,86	98.1,100.0,100.0,100.0,100.0,100.0
chr6	33142158	33142355	COL11A2	NM_080680	66	66	31	54	89	3664	18,51	96,3
chr6	33143184	33143408	COL11A2	NM_080680	66	66	30	108	487	22291	99,07	53,7
chr6	33143794	33144214	COL11A2	NM_080680	66	66	29,28,27	54,45,54	1059	49012	116,42	98.1,100.0,9.3
chr6	33144389	33144595	COL11A2	NM_080680	66	66	26	45	337	14100	68,12	100
chr6	33144790	33145249	COL11A2	NM_080680	66	66	25,24,23	54,45,54	1568	72523	157,66	61.1,100.0,100.0
chr6	33145834	33146221	COL11A2	NM_080680	66	66	21,20,19	54,45,54	1097	43588	112,34	100.0,100.0,18.5
chr6	33146334	33146528	COL11A2	NM_080680	66	66	18	54	1710	76219	390,87	100
chr6	33146656	33147238	COL11A2	NM_080680	66	66	17,16,15,14	54,54,54,57	1020	41962	71,98	100.0,100.0,100.0,54.4
chr6	33147504	33147698	COL11A2	NM_080680	66	66	13	87	87	3008	15,43	90,8
chr6	33147911	33148096	COL11A2	NM_080680	66	66	12	75	888	38518	207,09	82,7
chr6	33148438	33148623	COL11A2	NM_080680	66	66	11	63	203	8091	43,5	100
chr6	33148797	33148997	COL11A2	NM_080680	66	66	9	60	888	38601	192,04	100
chr6	33151842	33152054	COL11A2	NM_080680	66	66	8	180	644	27853	130,77	73,9
chr6	33152738	33152917	COL11A2	NM_080680	66	66	7	63	46	1909	10,61	100
chr6	33153401	33153586	COL11A2	NM_080680	66	66	6	78	60	2774	14,91	100
chr6	33154237	33154541	COL11A2	NM_080680	66	66	5	192	349	15800	51,8	71,9
chr6	33156044	33156244	COL11A2	NM_080680	66	66	4	163	261	11573	57,58	65
chr6	33156725	33157218	COL11A2	NM_080680	66	66	3,2	211.150	729	34228	69,29	100.0,81.3
chr6	33159879	33160189	COL11A2	NM_080680	66	66	1	82	19	726	2,33	100
chr6	35773383	35773900	LHFPL5	NM_182548	4	3	1	412	3076	148194	286,09	100
chr6	35782348	35782640	LHFPL5	NM_182548	4	3	2	237	1033	46426	158,45	89,5
chr6	35787061	35787258	LHFPL5	NM_182548	4	3	3	11	360	15154	76,54	100
chr6	45870756	45871057	CLIC5	NM_001114086	6	6	6	168	636	29975	99,25	100
chr6	45882021	45882212	CLIC5	NM_001114086	6	6	5	182	300	13475	70,18	69,2
chr6	45909305	45909508	CLIC5	NM_001114086	6	6	4	107	75	2748	13,47	80,4
chr6	45916892	45917080	CLIC5	NM_001114086	6	6	3	126	1090	48508	256,66	69,8
chr6	45922781	45922954	CLIC5	NM_001114086	6	6	2	110	71	3271	18,8	75,5
chr6	46047445	46048042	CLIC5	NM_001114086	6	6	1	540	1046	50121	83,81	99,1
chr6	70926525	70926719	COL9A1	NM_001851	38	38	38	185	220	9422	48,32	64,9
chr6	70935543	70935758	COL9A1	NM_001851	38	38	37	78	505	22591	104,59	100
chr6	70942351	70942536	COL9A1	NM_001851	38	38	36	189	125	5430	29,19	65,6
chr6	70944183	70944368	COL9A1	NM_001851	38	38	35	55	656	27156	146	100
chr6	70944544	70944732	COL9A1	NM_001851	38	38	34	147	271	12522	66,25	68
chr6	70948932	70949132	COL9A1	NM_001851	38	38	33	33	95	4404	21,91	100
chr6	70950385	70950588	COL9A1	NM_001851	38	38	32	45	856	39403	193,15	100
chr6	70950976	70951170	COL9A1	NM_001851	38	38	31	36	1299	58653	300,78	100

chr6	70951542	70951727	COL9A1	NM_001851	38	38	30	72	540	21664	116,47	84,7
chr6	70952291	70952485	COL9A1	NM_001851	38	38	29	54	317	13197	67,68	100
chr6	70961877	70962068	COL9A1	NM_001851	38	38	27	54	434	18880	98,33	100
chr6	70963019	70963195	COL9A1	NM_001851	38	38	26	45	429	16849	95,19	100
chr6	70964135	70964332	COL9A1	NM_001851	38	38	25	54	296	12581	63,54	100
chr6	70964689	70965132	COL9A1	NM_001851	38	38	24,23,22	54,54,54	936	43281	97,48	57.4,100.0,100.0
chr6	70966388	70966609	COL9A1	NM_001851	38	38	21	54	193	8327	37,51	100
chr6	70970295	70970489	COL9A1	NM_001851	38	38	20	54	328	13039	66,87	100
chr6	70972879	70973073	COL9A1	NM_001851	38	38	19	54	402	16924	86,79	100
chr6	70976364	70976570	COL9A1	NM_001851	38	38	18	54	439	19790	95,6	100
chr6	70978380	70978562	COL9A1	NM_001851	38	38	17	57	718	30584	167,13	98,2
chr6	70979179	70979391	COL9A1	NM_001851	38	38	16	33	387	15924	74,76	100
chr6	70979928	70980158	COL9A1	NM_001851	38	38	15	54	142	5855	25,35	100
chr6	70981271	70981483	COL9A1	NM_001851	38	38	14	54	413	19327	90,74	100
chr6	70981613	70981804	COL9A1	NM_001851	38	38	13	24	172	7369	38,38	100
chr6	70983667	70983852	COL9A1	NM_001851	38	38	12	36	402	18228	98	100
chr6	70984354	70984551	COL9A1	NM_001851	38	38	11	54	327	14756	74,53	100
chr6	70990554	70990843	COL9A1	NM_001851	38	38	10,9	63,36	622	27551	95	38.1,100.0
chr6	70990997	70991200	COL9A1	NM_001851	38	38	8	75	255	11051	54,17	100
chr6	70992566	70992861	COL9A1	NM_001851	38	38	7	21	383	17429	58,88	100
chr6	70993441	70993644	COL9A1	NM_001851	38	38	6	84	88	3539	17,35	98,8
chr6	71003847	71004281	COL9A1	NM_001851	38	38	5	397	1290	58192	133,77	100
chr6	71009731	71010103	COL9A1	NM_001851	38	38	4,3	133,78	630	27781	74,48	100.0,100.0
chr6	71011655	71011855	COL9A1	NM_001851	38	38	2	74	87	3274	16,29	100
chr6	71012538	71012723	COL9A1	NM_001851	38	38	1	14	1316	55032	295,87	100
chr6	76527197	76527415	MYO6	NM_004999	35	34	2	117	362	15094	68,92	100
chr6	76532421	76532618	MYO6	NM_004999	35	34	3	70	223	9968	50,34	100
chr6	76538247	76538462	MYO6	NM_004999	35	34	4	74	198	8727	40,4	100
chr6	76540130	76540312	MYO6	NM_004999	35	34	5	130	135	5820	31,8	100
chr6	76542523	76542702	MYO6	NM_004999	35	34	6	106	120	5206	28,92	100
chr6	76545620	76545808	MYO6	NM_004999	35	34	7	56	446	17690	93,6	96,4
chr6	76550226	76550420	MYO6	NM_004999	35	34	8	98	449	19856	101,83	100
chr6	76550927	76551103	MYO6	NM_004999	35	34	9	165	159	6418	36,26	100
chr6	76554520	76554723	MYO6	NM_004999	35	34	10	81	110	4673	22,91	100
chr6	76558081	76558278	MYO6	NM_004999	35	34	11	181	335	14992	75,72	92,8
chr6	76564854	76565051	MYO6	NM_004999	35	34	12	145	302	11939	60,3	100
chr6	76566744	76566935	MYO6	NM_004999	35	34	13	158	343	14992	78,08	77,2
chr6	76568624	76568836	MYO6	NM_004999	35	34	14	92	176	7322	34,38	94,6
chr6	76570738	76570947	MYO6	NM_004999	35	34	15	73	296	11976	57,03	100
chr6	76572315	76572506	MYO6	NM_004999	35	34	16	128	532	23199	120,83	98,4
chr6	76576214	76576426	MYO6	NM_004999	35	34	17	96	490	20510	96,29	100
chr6	76576563	76576766	MYO6	NM_004999	35	34	18	174	381	15819	77,54	67,8
chr6	76580213	76580407	MYO6	NM_004999	35	34	19	39	556	22077	113,22	100
chr6	76582915	76583085	MYO6	NM_004999	35	34	20	94	129	5711	33,4	100
chr6	76589449	76589818	MYO6	NM_004999	35	34	21,22	131,78	701	33012	89,22	100.0,75.6
chr6	76591376	76591576	MYO6	NM_004999	35	34	23	130	298	13065	65	100
chr6	76595740	76595910	MYO6	NM_004999	35	34	24	91	101	4280	25,03	79,1
chr6	76596535	76596735	MYO6	NM_004999	35	34	25	151	205	8586	42,72	100
chr6	76599768	76599971	MYO6	NM_004999	35	34	26	209	43	1776	8,71	94,7
chr6	76600811	76601038	MYO6	NM_004999	35	34	27	79	31	1078	4,73	100
chr6	76602158	76602379	MYO6	NM_004999	35	34	28	161	136	5935	26,73	82,6

chr6	76604871	76605056	MYO6	NM_004999	35	34	29	30	98	4380	23,55	100
chr6	76608047	76608241	MYO6	NM_004999	35	34	30	39	136	5971	30,62	100
chr6	76617243	76617443	MYO6	NM_004999	35	34	31	104	130	5200	25,87	100
chr6	76618193	76618372	MYO6	NM_004999	35	34	32	132	181	7969	44,27	100
chr6	76621229	76621450	MYO6	NM_004999	35	34	33	27	480	19621	88,38	100
chr6	76623820	76624076	MYO6	NM_004999	35	34	34	219	594	27517	107,07	81,7
chr6	76624513	76624823	MYO6	NM_004999	35	34	35	200	1067	47941	154,15	100
chr6	133595812	133596003	EYA4	NM_004100	20	19	2	33	108	4632	24,13	100
chr6	133703514	133703714	EYA4	NM_004100	20	19	3	50	579	24520	121,99	100
chr6	133767714	133767938	EYA4	NM_004100	20	19	4	125	604	26043	115,75	100
chr6	133769158	133769337	EYA4	NM_004100	20	19	5	69	562	24273	134,85	100
chr6	133777579	133777767	EYA4	NM_004100	20	19	6	93	563	23314	123,35	79,6
chr6	133782181	133782384	EYA4	NM_004100	20	19	7	67	674	27848	136,51	100
chr6	133783416	133783832	EYA4	NM_004100	20	19	8,9	143.144	1530	73444	176,12	100.0,51.4
chr6	133785901	133786089	EYA4	NM_004100	20	19	10	80	412	17623	93,24	100
chr6	133789724	133789924	EYA4	NM_004100	20	19	11	166	873	39351	195,78	88
chr6	133802553	133802783	EYA4	NM_004100	20	19	12	137	630	28596	123,79	100
chr6	133804120	133804296	EYA4	NM_004100	20	19	13	84	244	10672	60,29	100
chr6	133827137	133827316	EYA4	NM_004100	20	19	14	90	485	20344	113,02	81,1
chr6	133833846	133834200	EYA4	NM_004100	20	19	15,16	59.161	607	27449	77,32	100.0,100.0
chr6	133836391	133836600	EYA4	NM_004100	20	19	17	115	167	6549	31,19	100
chr6	133844193	133844390	EYA4	NM_004100	20	19	18	122	342	14838	74,94	100
chr6	133846195	133846469	EYA4	NM_004100	20	19	19	101	500	22582	82,12	100
chr6	133849835	133850118	EYA4	NM_004100	20	19	20	81	328	14693	51,74	100
chr7	5567471	5567641	ACTB	NM_001101	6	5	6,5	144.182	42	1139	6,66	36.1,3.8
chr7	5567782	5567961	ACTB	NM_001101	6	5	5,4	182.439	471	18948	105,27	19.2,11.4
chr7	5568271	5568391	ACTB	NM_001101	6	5	4	439	98	3998	33,04	18,2
chr7	5569000	5569170	ACTB	NM_001101	6	5	3,2	240.123	150	5921	34,63	13.3,4.1
chr7	5569234	5569511	ACTB	NM_001101	6	5	2	123	29	1176	4,23	44,7
chr7	24738558	24738912	DFNA5	NM_004403	10	9	10	234	557	24457	68,89	100
chr7	24742224	24742433	DFNA5	NM_004403	10	9	9	74	1172	50374	239,88	74,3
chr7	24745732	24745932	DFNA5	NM_004403	10	9	8	193	120	5542	27,57	67,4
chr7	24747766	24747984	DFNA5	NM_004403	10	9	7	128	419	17314	79,06	84,4
chr7	24749848	24750057	DFNA5	NM_004403	10	9	6	165	114	5213	24,82	97
chr7	24756429	24756973	DFNA5	NM_004403	10	9	5	121	2242	98470	180,68	83,5
chr7	24758726	24758905	DFNA5	NM_004403	10	9	4	172	214	9372	52,07	65,1
chr7	24784103	24784330	DFNA5	NM_004403	10	9	3	193	1022	44450	194,96	77,7
chr7	24789126	24789406	DFNA5	NM_004403	10	9	2	211	307	14192	50,51	100
chr7	81331777	81332113	HGF	NM_000601	18	18	18	177	1292	60688	180,08	100
chr7	81334698	81335067	HGF	NM_000601	18	18	17,16	146.107	1052	47573	128,58	100.0,98.1
chr7	81335563	81335760	HGF	NM_000601	18	18	15	141	323	13376	67,56	100
chr7	81336548	81336739	HGF	NM_000601	18	18	14	75	640	27142	141,36	100
chr7	81339368	81339580	HGF	NM_000601	18	18	13	97	494	21929	102,95	100
chr7	81340718	81340900	HGF	NM_000601	18	18	12	39	124	4668	25,51	100
chr7	81346541	81346753	HGF	NM_000601	18	18	11	134	1244	54049	253,75	100
chr7	81349990	81350175	HGF	NM_000601	18	18	10	103	603	24465	131,53	100
chr7	81355244	81355414	HGF	NM_000601	18	18	9	128	412	17294	101,13	70,3
chr7	81358895	81359119	HGF	NM_000601	18	18	8	175	168	7517	33,41	100
chr7	81372579	81372767	HGF	NM_000601	18	18	7	119	614	25944	137,27	83,2
chr7	81374275	81374472	HGF	NM_000601	18	18	6	121	879	35846	181,04	100
chr7	81381342	81381625	HGF	NM_000601	18	18	5	143	593	27965	98,47	100

chr7	81386370	81386641	HGF	NM_000601	18	18	4	115	895	42244	155,31	100
chr7	81387972	81388154	HGF	NM_000601	18	18	3	113	196	7744	42,32	100
chr7	81392017	81392190	HGF	NM_000601	18	18	2	166	668	28937	166,3	100
chr7	81399133	81399440	HGF	NM_000601	18	18	1	88	178	8480	27,53	100
chr7	102993220	102993441	SLC26A5	NM_206883	20	18	20	17	728	32438	146,12	100
chr7	103017175	103017369	SLC26A5	NM_206883	20	18	19	55	433	18718	95,99	100
chr7	103017987	103018181	SLC26A5	NM_206883	20	18	18	201	286	12663	64,94	67,7
chr7	103018786	103018971	SLC26A5	NM_206883	20	18	17	108	667	27534	148,03	73,1
chr7	103019575	103019760	SLC26A5	NM_206883	20	18	16	93	940	41706	224,23	76,3
chr7	103020825	103021037	SLC26A5	NM_206883	20	18	15	70	705	31701	148,83	100
chr7	103029482	103029667	SLC26A5	NM_206883	20	18	14	107	649	26016	139,87	74,8
chr7	103029672	103029857	SLC26A5	NM_206883	20	18	13	96	544	19168	103,05	85,4
chr7	103030820	103031002	SLC26A5	NM_206883	20	18	12	78	317	13860	75,74	100
chr7	103032010	103032237	SLC26A5	NM_206883	20	18	11	114	233	10546	46,25	100
chr7	103033285	103033467	SLC26A5	NM_206883	20	18	10	148	27	1175	6,42	68,9
chr7	103038319	103038504	SLC26A5	NM_206883	20	18	9	83	460	19758	106,23	100
chr7	103048240	103048449	SLC26A5	NM_206883	20	18	8	153	416	18468	87,94	99,3
chr7	103050756	103050938	SLC26A5	NM_206883	20	18	7	165	234	10123	55,32	64,8
chr7	103051921	103052100	SLC26A5	NM_206883	20	18	6	167	556	23215	128,97	67,7
chr7	103053466	103053663	SLC26A5	NM_206883	20	18	5	111	207	9057	45,74	84,7
chr7	103061094	103061309	SLC26A5	NM_206883	20	18	4	140	494	22261	103,06	89,3
chr7	103061864	103062067	SLC26A5	NM_206883	20	18	3	152	885	39374	193,01	64,5
chr7	107302031	107302249	SLC26A4	NM_000441	21	20	2	164	45	1753	8	99,4
chr7	107303650	107303844	SLC26A4	NM_000441	21	20	3	140	168	7203	36,94	74,3
chr7	107312492	107312704	SLC26A4	NM_000441	21	20	4	111	309	13101	61,51	100
chr7	107314627	107314830	SLC26A4	NM_000441	21	20	5	185	132	6053	29,67	90,3
chr7	107315347	107315556	SLC26A4	NM_000441	21	20	6	165	402	17916	85,31	100
chr7	107323688	107324039	SLC26A4	NM_000441	21	20	7,8	153,83	486	22211	63,1	73.2,100.0
chr7	107329405	107329602	SLC26A4	NM_000441	21	20	9	148	382	15630	78,94	70,9
chr7	107330465	107330650	SLC26A4	NM_000441	21	20	10	114	946	43646	234,66	71,9
chr7	107334896	107335244	SLC26A4	NM_000441	21	20	11,12	78,96	2038	90968	260,65	38.5,100.0
chr7	107336348	107336557	SLC26A4	NM_000441	21	20	13	107	301	13422	63,91	100
chr7	107338463	107338651	SLC26A4	NM_000441	21	20	14	70	337	13817	73,11	100
chr7	107340407	107340622	SLC26A4	NM_000441	21	20	15	93	487	20993	97,19	100
chr7	107341487	107341696	SLC26A4	NM_000441	21	20	16	96	135	5641	26,86	100
chr7	107342282	107342559	SLC26A4	NM_000441	21	20	17	231	647	29648	106,65	95,7
chr7	107344774	107344971	SLC26A4	NM_000441	21	20	18	55	385	15471	78,14	100
chr7	107350456	107350641	SLC26A4	NM_000441	21	20	19	146	441	18855	101,37	97,9
chr7	107352859	107353050	SLC26A4	NM_000441	21	20	20	84	208	8603	44,81	79,8
chr7	107355869	107356078	SLC26A4	NM_000441	21	20	21	24	380	16029	76,33	95,8
chr7	129414527	129414866	MIR96	NR_029512	1	0	1	77	324	15075	44,34	100
chr8	49831298	49831599	SNAI2	NM_003068	3	3	3	182	1787	85133	281,9	100
chr8	49832418	49833042	SNAI2	NM_003068	3	3	2	546	583	27331	43,73	100
chr8	49833696	49834000	SNAI2	NM_003068	3	3	1	79	47	2047	6,71	100
chr8	72111422	72111637	EYA1	NM_000503	18	16	18	81	381	16060	74,35	77,8
chr8	72123322	72123498	EYA1	NM_000503	18	16	17	101	1064	45543	257,31	100
chr8	72127567	72127897	EYA1	NM_000503	18	16	16,15	122.115	343	15020	45,38	100.0,42.6
chr8	72128840	72129218	EYA1	NM_000503	18	16	14,13	161,59	1145	52852	139,45	100.0,32.2
chr8	72156857	72157048	EYA1	NM_000503	18	16	12	90	886	36464	189,92	78,9
chr8	72181916	72182128	EYA1	NM_000503	18	16	11	84	618	27691	130	100
chr8	72183989	72184207	EYA1	NM_000503	18	16	10	140	628	27831	127,08	100

chr8	72211337	72211534	EYA1	NM_000503	18	16	9	187	386	16978	85,75	70,6
chr8	72211888	72212085	EYA1	NM_000503	18	16	8	83	462	20101	101,52	81,9
chr8	72229704	72229880	EYA1	NM_000503	18	16	7	138	878	37361	211,08	68,1
chr8	72234026	72234211	EYA1	NM_000503	18	16	6	146	261	10266	55,19	61
chr8	72234383	72234559	EYA1	NM_000503	18	16	5	70	63	2835	16,02	100
chr8	72246281	72246549	EYA1	NM_000503	18	16	4	78	608	27053	100,57	100
chr8	72267036	72267239	EYA1	NM_000503	18	16	3	124	1522	61853	303,2	84,7
chr8	72268644	72268853	EYA1	NM_000503	18	16	2	50	314	14176	67,5	100
chr8	102504793	102505094	GRHL2	NM_024915	16	16	1	20	1141	52818	174,89	100
chr8	102555506	102555881	GRHL2	NM_024915	16	16	2	196	1726	78785	209,53	81,1
chr8	102564951	102565142	GRHL2	NM_024915	16	16	3	68	152	6491	33,81	88,2
chr8	102570548	102571012	GRHL2	NM_024915	16	16	4	394	910	43236	92,98	92,9
chr8	102582509	102582697	GRHL2	NM_024915	16	16	5	56	261	11341	60,01	100
chr8	102585959	102586159	GRHL2	NM_024915	16	16	6	157	412	18077	89,94	59,9
chr8	102589582	102589785	GRHL2	NM_024915	16	16	7	112	425	19266	94,44	100
chr8	102611273	102611461	GRHL2	NM_024915	16	16	8	95	638	28356	150,03	100
chr8	102631715	102631921	GRHL2	NM_024915	16	16	9	159	309	12239	59,13	97,5
chr8	102643757	102643942	GRHL2	NM_024915	16	16	10	88	546	24441	131,4	88,6
chr8	102644351	102644575	GRHL2	NM_024915	16	16	11	140	148	5738	25,5	87,1
chr8	102649040	102649228	GRHL2	NM_024915	16	16	12	32	387	17001	89,95	100
chr8	102656257	102656445	GRHL2	NM_024915	16	16	13	95	242	9882	52,29	91,6
chr8	102661629	102661850	GRHL2	NM_024915	16	16	14	86	762	32321	145,59	100
chr8	102676628	102676804	GRHL2	NM_024915	16	16	15	65	89	4170	23,56	100
chr8	102678825	102679037	GRHL2	NM_024915	16	16	16	115	635	26665	125,19	93
chr9	71789132	71789406	TJP2	NM_004817	23	23	1	60	25	1077	3,92	100
chr9	71827399	71827584	TJP2	NM_004817	23	23	2	54	440	18233	98,03	100
chr9	71831171	71831344	TJP2	NM_004817	23	23	3	125	302	12665	72,79	72
chr9	71833247	71833432	TJP2	NM_004817	23	23	4	103	224	9725	52,28	28,2
chr9	71835732	71836335	TJP2	NM_004817	23	23	5	610	332	14298	23,67	87,4
chr9	71840153	71840326	TJP2	NM_004817	23	23	6	104	194	7049	40,51	100
chr9	71840923	71841102	TJP2	NM_004817	23	23	7	154	246	9940	55,22	100
chr9	71842660	71842990	TJP2	NM_004817	23	23	8,9	109.134	442	19312	58,34	100.0,70.1
chr9	71844056	71844265	TJP2	NM_004817	23	23	10	67	1183	53626	255,36	100
chr9	71844918	71845097	TJP2	NM_004817	23	23	11	151	431	17953	99,74	66,2
chr9	71849320	71849493	TJP2	NM_004817	23	23	12	109	173	7026	40,38	100
chr9	71850885	71851088	TJP2	NM_004817	23	23	13	211	496	21554	105,66	68,7
chr9	71851783	71851992	TJP2	NM_004817	23	23	14	188	211	9283	44,2	68,1
chr9	71852705	71852914	TJP2	NM_004817	23	23	15	96	147	6653	31,68	100
chr9	71853574	71853756	TJP2	NM_004817	23	23	16	80	120	5240	28,63	100
chr9	71854815	71855024	TJP2	NM_004817	23	23	17	211	349	15563	74,11	81,5
chr9	71861575	71861760	TJP2	NM_004817	23	23	18	101	297	13554	72,87	100
chr9	71862960	71863341	TJP2	NM_004817	23	23	19	213	484	22195	58,1	85
chr9	71864182	71864370	TJP2	NM_004817	23	23	20	111	440	19536	103,37	72,1
chr9	71865989	71866370	TJP2	NM_004817	23	23	21	330	851	39954	104,59	88,5
chr9	71867617	71867802	TJP2	NM_004817	23	23	22	86	138	5991	32,21	83,7
chr9	71869142	71869345	TJP2	NM_004817	23	23	23	166	550	23551	115,45	89,8
chr9	71951063	71951245	FAM189A2	NM_004816	11	10	2	12	201	8452	46,19	100
chr9	71986287	71986481	FAM189A2	NM_004816	11	10	3	111	879	37919	194,46	60,4
chr9	71990549	71990746	FAM189A2	NM_004816	11	10	4	129	311	13093	66,13	73,6
chr9	71992217	71992592	FAM189A2	NM_004816	11	10	5,6	108.134	2245	106093	282,16	100.0,49.3
chr9	71998507	71998710	FAM189A2	NM_004816	11	10	7	130	849	36554	179,19	100

chr9	71998777	71998986	FAM189A2	NM_004816	11	10	8	79	586	26727	127,27	100
chr9	72000664	72000834	FAM189A2	NM_004816	11	10	9	153	79	3459	20,23	81
chr9	72002872	72003377	FAM189A2	NM_004816	11	10	10	293	1167	54007	106,73	100
chr9	72006591	72006782	FAM189A2	NM_004816	11	10	11	204	87	3483	18,14	63,7
chr9	75263477	75263662	TMC1	NM_138691	24	20	5	16	260	11804	63,46	100
chr9	75303575	75303790	TMC1	NM_138691	24	20	6	48	276	11578	53,6	100
chr9	75309381	75309599	TMC1	NM_138691	24	20	7	172	32	1424	6,5	82
chr9	75315363	75315569	TMC1	NM_138691	24	20	8	126	108	4887	23,61	100
chr9	75354979	75355179	TMC1	NM_138691	24	20	9	91	106	4496	22,37	100
chr9	75357291	75357506	TMC1	NM_138691	24	20	10	82	142	6183	28,63	100
chr9	75366724	75366909	TMC1	NM_138691	24	20	11	107	83	3516	18,9	100
chr9	75369605	75369778	TMC1	NM_138691	24	20	12	99	694	29932	172,02	77,8
chr9	75387296	75387508	TMC1	NM_138691	24	20	13	143	257	10687	50,17	100
chr9	75403193	75403402	TMC1	NM_138691	24	20	14	145	301	12700	60,48	100
chr9	75403984	75404163	TMC1	NM_138691	24	20	15	195	227	9135	50,75	64,1
chr9	75406714	75407219	TMC1	NM_138691	24	20	16,17	180.162	1970	91386	180,6	100.0,69.8
chr9	75420225	75420440	TMC1	NM_138691	24	20	18	129	506	24226	112,16	100
chr9	75430929	75431123	TMC1	NM_138691	24	20	19	68	317	14367	73,68	95,6
chr9	75435794	75436086	TMC1	NM_138691	24	20	20	240	799	37904	129,37	85
chr9	75441717	75441908	TMC1	NM_138691	24	20	21	126	704	29410	153,18	98,4
chr9	75445309	75445607	TMC1	NM_138691	24	20	22,23	79,52	291	12758	42,67	100.0,100.0
chr9	75450839	75451116	TMC1	NM_138691	24	20	24	23	799	37545	135,05	100
chr9	117164957	117165160	DFNB31	NM_015404	12	12	12	183	225	9005	44,14	69,4
chr9	117165394	117165612	DFNB31	NM_015404	12	12	11	123	250	10815	49,38	94,3
chr9	117166199	117166396	DFNB31	NM_015404	12	12	10	182	339	15480	78,18	87,4
chr9	117168654	117169251	DFNB31	NM_015404	12	12	9	538	309	13986	23,39	96,5
chr9	117170222	117170416	DFNB31	NM_015404	12	12	8	72	365	15784	80,94	100
chr9	117185637	117185828	DFNB31	NM_015404	12	12	7	210	1487	59423	309,49	79,5
chr9	117186679	117186879	DFNB31	NM_015404	12	12	6	213	118	5114	25,44	69,5
chr9	117187174	117187531	DFNB31	NM_015404	12	12	5	37	849	38617	107,87	100
chr9	117188380	117188657	DFNB31	NM_015404	12	12	4	203	353	15856	57,04	82,3
chr9	117228449	117228637	DFNB31	NM_015404	12	12	3	126	143	6072	32,13	72,2
chr9	117240546	117240989	DFNB31	NM_015404	12	12	2	219	663	31300	70,5	71,7
chr9	117266366	117267224	DFNB31	NM_015404	12	12	1	618	1532	71555	83,3	100
chr9	140086454	140087155	TPRN	NM_001128228	4	4	4,3,2	63.107.241	334	14395	20,51	100.0,100.0,100.0
chr10	26241018	26241200	MYO3A	NM_017433	35	33	3	168	84	3924	21,44	95,8
chr10	26243808	26243987	MYO3A	NM_017433	35	33	4	135	693	28808	160,04	96,3
chr10	26285379	26285570	MYO3A	NM_017433	35	33	5	105	195	8500	44,27	100
chr10	26286073	26286270	MYO3A	NM_017433	35	33	6	100	199	8737	44,13	100
chr10	26305799	26305919	MYO3A	NM_017433	35	33	7	77	365	12801	105,79	35,1
chr10	26310372	26310658	MYO3A	NM_017433	35	33	8	146	1405	65480	228,15	100
chr10	26312889	26313068	MYO3A	NM_017433	35	33	9	66	650	27510	152,83	100
chr10	26315328	26315498	MYO3A	NM_017433	35	33	10	156	115	4879	28,53	85,9
chr10	26355835	26356017	MYO3A	NM_017433	35	33	11	100	452	19046	104,08	100
chr10	26357684	26357872	MYO3A	NM_017433	35	33	12	117	385	17639	93,33	100
chr10	26359044	26359327	MYO3A	NM_017433	35	33	13,14	105,84	864	38202	134,51	96.2,96.4
chr10	26377186	26377389	MYO3A	NM_017433	35	33	15	203	156	6977	34,2	73,4
chr10	26385259	26385613	MYO3A	NM_017433	35	33	16,17	99.115	346	14804	41,7	100.0,100.0
chr10	26409549	26409743	MYO3A	NM_017433	35	33	18	127	347	14333	73,5	100
chr10	26414292	26414504	MYO3A	NM_017433	35	33	19	211	183	7759	36,43	84,4
chr10	26417227	26417421	MYO3A	NM_017433	35	33	20	148	182	7675	39,36	68,9

chr12	80704417	80704608	OTOGL	NM_173591	58	58	29	117	209	9120	47,5	77,8
chr12	80707236	80707433	OTOGL	NM_173591	58	58	30	157	388	16044	81,03	100
chr12	80707925	80708125	OTOGL	NM_173591	58	58	31	27	40	1692	8,42	100
chr12	80712294	80712500	OTOGL	NM_173591	58	58	32	168	111	4309	20,82	100
chr12	80714137	80714432	OTOGL	NM_173591	58	58	33	279	1384	62467	211,04	82,8
chr12	80717470	80717661	OTOGL	NM_173591	58	58	34	118	495	21536	112,17	100
chr12	80722408	80722599	OTOGL	NM_173591	58	58	35	80	168	7533	39,23	100
chr12	80722773	80722955	OTOGL	NM_173591	58	58	36	69	516	22283	121,77	100
chr12	80726730	80726921	OTOGL	NM_173591	58	58	37	74	407	16609	86,51	100
chr12	80729749	80729967	OTOGL	NM_173591	58	58	38	178	428	19182	87,59	96,6
chr12	80730223	80730438	OTOGL	NM_173591	58	58	39	143	331	13913	64,41	79
chr12	80730595	80730801	OTOGL	NM_173591	58	58	40,41	24,93	117	5414	26,15	25.0,100.0
chr12	80732858	80733049	OTOGL	NM_173591	58	58	42	190	363	15537	80,92	98,4
chr12	80735740	80735934	OTOGL	NM_173591	58	58	43	215	113	4741	24,31	90,7
chr12	80746051	80746245	OTOGL	NM_173591	58	58	44	142	447	18656	95,67	100
chr12	80747049	80747249	OTOGL	NM_173591	58	58	45	186	307	14004	69,67	78
chr12	80749581	80749772	OTOGL	NM_173591	58	58	46	213	361	15661	81,57	69,5
chr12	80750105	80750314	OTOGL	NM_173591	58	58	47	105	349	14233	67,78	100
chr12	80750555	80750725	OTOGL	NM_173591	58	58	48	108	451	16774	98,09	100
chr12	80752008	80752217	OTOGL	NM_173591	58	58	49	102	313	13638	64,94	100
chr12	80752371	80752645	OTOGL	NM_173591	58	58	50,51	105,41	710	33770	122,8	100.0,14.6
chr12	80760300	80760470	OTOGL	NM_173591	58	58	52	64	238	11138	65,13	100
chr12	80761383	80761577	OTOGL	NM_173591	58	58	53	179	121	5177	26,55	76,5
chr12	80761972	80762166	OTOGL	NM_173591	58	58	54	105	415	17571	90,11	100
chr12	80764324	80764494	OTOGL	NM_173591	58	58	55	120	543	22773	133,18	100
chr12	80765736	80765921	OTOGL	NM_173591	58	58	56	46	241	11090	59,62	100
chr12	80770899	80771087	OTOGL	NM_173591	58	58	57	80	248	9383	49,65	100
chr12	80771554	80771914	OTOGL	NM_173591	58	58	58	201	840	40341	111,75	100
chr12	80838124	80838315	PTPRQ	NM_001145026	42	42	1	54	343	15942	83,03	100
chr12	80838453	80838635	PTPRQ	NM_001145026	42	42	2	109	364	16112	88,04	100
chr12	80839214	80839491	PTPRQ	NM_001145026	42	42	3	229	395	16865	60,67	96,5
chr12	80862460	80862633	PTPRQ	NM_001145026	42	42	4	131	289	12438	71,48	100
chr12	80865862	80866062	PTPRQ	NM_001145026	42	42	5	147	469	19671	97,87	100
chr12	80878173	80878355	PTPRQ	NM_001145026	42	42	6	173	189	8525	46,58	83,2
chr12	80887043	80887249	PTPRQ	NM_001145026	42	42	7	181	187	7729	37,34	100
chr12	80888710	80889153	PTPRQ	NM_001145026	42	42	8,9	162.180	831	39285	88,48	100.0,100.0
chr12	80889855	80890378	PTPRQ	NM_001145026	42	42	10,11	108.282	1009	46909	89,52	28.7,100.0
chr12	80899781	80899978	PTPRQ	NM_001145026	42	42	12	183	237	10712	54,1	96,2
chr12	80900331	80900513	PTPRQ	NM_001145026	42	42	13	102	227	9715	53,09	100
chr12	80904058	80904261	PTPRQ	NM_001145026	42	42	14	121	588	25782	126,38	100
chr12	80927815	80927991	PTPRQ	NM_001145026	42	42	15	161	98	4685	26,47	87
chr12	80928589	80928789	PTPRQ	NM_001145026	42	42	16	146	736	31343	155,94	81,5
chr12	80933553	80933723	PTPRQ	NM_001145026	42	42	17	169	235	10197	59,63	100
chr12	80935410	80935675	PTPRQ	NM_001145026	42	42	18	291	895	39037	146,76	73,9
chr12	80935850	80936157	PTPRQ	NM_001145026	42	42	19	276	109	4331	14,06	100
chr12	80936496	80936669	PTPRQ	NM_001145026	42	42	20	152	189	7694	44,22	100
chr12	80940314	80940490	PTPRQ	NM_001145026	42	42	21	142	402	16821	95,03	100
chr12	80943202	80943488	PTPRQ	NM_001145026	42	42	22	270	917	40136	139,85	90,7
chr12	80981916	80982291	PTPRQ	NM_001145026	42	42	23	324	963	44021	117,08	97,5
chr12	80998807	80998998	PTPRQ	NM_001145026	42	42	24	122	197	7554	39,34	100
chr12	81004285	81004464	PTPRQ	NM_001145026	42	42	25	187	378	15869	88,16	64,2

chr12	81007367	81007617	PTPRQ	NM_001145026	42	26	245	912	40942	163,12	100	
chr12	81009926	81010096	PTPRQ	NM_001145026	42	27	67	152	6226	36,41	100	
chr12	81013135	81013335	PTPRQ	NM_001145026	42	28	159	505	21953	109,22	100	
chr12	81013921	81014207	PTPRQ	NM_001145026	42	29	223	932	42192	147,01	100	
chr12	81015782	81015970	PTPRQ	NM_001145026	42	30	74	272	11448	60,57	100	
chr12	81025953	81026156	PTPRQ	NM_001145026	42	31	100	496	21510	105,44	100	
chr12	81028654	81028848	PTPRQ	NM_001145026	42	32	129	571	24390	125,08	96,9	
chr12	81042651	81042863	PTPRQ	NM_001145026	42	33	27	175	7666	35,99	100	
chr12	81043289	81043492	PTPRQ	NM_001145026	42	34	82	597	26283	128,84	100	
chr12	81046479	81046670	PTPRQ	NM_001145026	42	35	91	453	19284	100,44	100	
chr12	81051710	81051895	PTPRQ	NM_001145026	42	36	77	74	2947	15,84	100	
chr12	81062758	81062940	PTPRQ	NM_001145026	42	37	135	326	14646	80,03	100	
chr12	81063077	81063271	PTPRQ	NM_001145026	42	38	126	310	13200	67,69	100	
chr12	81064171	81064341	PTPRQ	NM_001145026	42	39	149	397	16944	99,09	67,8	
chr12	81066936	81067142	PTPRQ	NM_001145026	42	40	136	122	5152	24,89	100	
chr12	81072378	81072584	PTPRQ	NM_001145026	42	41	124	357	15684	75,77	100	
chr12	81072708	81072967	PTPRQ	NM_001145026	42	42	38	406	16931	65,12	100	
chr12	100751116	100751319	SLC17A8	NM_139319	12	12	1	101	360	14465	70,91	100
chr12	100774425	100774720	SLC17A8	NM_139319	12	12	2	253	552	26306	88,87	95,7
chr12	100784707	100784904	SLC17A8	NM_139319	12	12	3	119	400	16960	85,66	100
chr12	100787178	100787354	SLC17A8	NM_139319	12	12	4	115	189	8115	45,85	73
chr12	100790006	100790233	SLC17A8	NM_139319	12	12	5	88	287	13193	57,86	100
chr12	100795458	100795679	SLC17A8	NM_139319	12	12	6	87	730	31184	140,47	100
chr12	100796055	100796486	SLC17A8	NM_139319	12	12	7,8	140.150	877	38722	89,63	100,0,75.3
chr12	100797817	100798017	SLC17A8	NM_139319	12	12	9	133	245	10350	51,49	99,2
chr12	100806472	100806687	SLC17A8	NM_139319	12	12	10	111	288	12322	57,05	100
chr12	100811707	100811901	SLC17A8	NM_139319	12	12	11	128	879	38616	198,03	74,2
chr12	100813650	100814001	SLC17A8	NM_139319	12	12	12	345	120	5104	14,5	83,5
chr12	122692828	122693369	DIABLO	NM_019887	7	6	7	197	1007	47387	87,43	100
chr12	122700978	122701412	DIABLO	NM_019887	7	6	6,5	97.111	1568	68896	158,38	100,0,96.4
chr12	122702805	122703008	DIABLO	NM_019887	7	6	4	132	523	22975	112,62	100
chr12	122709098	122709363	DIABLO	NM_019887	7	6	3	133	951	43352	162,98	70,7
chr12	122710490	122710693	DIABLO	NM_019887	7	6	2	50	0	0	0	100
chr13	20762994	20763769	GJB2	NM_004004	2	1	2	681	3104	147068	189,52	100
chr13	20796696	20797690	GJB6	NM_001110219	5	1	5	786	2367	111460	112,02	100
chr13	60240644	60241054	DIAPH3	NM_001042517	28	28	28	263	1087	52379	127,44	100
chr13	60348260	60348439	DIAPH3	NM_001042517	28	28	27	60	263	10968	60,93	100
chr13	60348746	60348937	DIAPH3	NM_001042517	28	28	26	96	504	21998	114,57	79,2
chr13	60384904	60385074	DIAPH3	NM_001042517	28	28	25	136	210	8905	52,08	100
chr13	60407249	60407464	DIAPH3	NM_001042517	28	28	24	165	170	7465	34,56	95,2
chr13	60413413	60413622	DIAPH3	NM_001042517	28	28	23	125	222	9762	46,49	100
chr13	60435477	60435733	DIAPH3	NM_001042517	28	28	22	130	424	18372	71,49	100
chr13	60453345	60453637	DIAPH3	NM_001042517	28	28	21	240	706	31973	109,12	100
chr13	60485774	60485959	DIAPH3	NM_001042517	28	28	20	102	471	21345	114,76	89,2
chr13	60490244	60490423	DIAPH3	NM_001042517	28	28	19	95	430	17806	98,92	100
chr13	60498916	60499110	DIAPH3	NM_001042517	28	28	18	96	83	3439	17,64	92,7
chr13	60544097	60544297	DIAPH3	NM_001042517	28	28	17	115	309	13234	65,84	83,5
chr13	60544986	60545346	DIAPH3	NM_001042517	28	28	16	309	265	11691	32,39	100
chr13	60548416	60548595	DIAPH3	NM_001042517	28	28	15	105	473	20302	112,79	100
chr13	60554815	60554988	DIAPH3	NM_001042517	28	28	14	65	534	22252	127,89	92,3
chr13	60557798	60558013	DIAPH3	NM_001042517	28	28	13	119	259	10922	50,56	93,3

chr13	60565264	60565434	DIAPH3	NM_001042517 28	28	12	117	497	19567	114,43	100
chr13	60566111	60566296	DIAPH3	NM_001042517 28	28	11	119	399	16286	87,56	79,8
chr13	60566600	60566788	DIAPH3	NM_001042517 28	28	10	111	265	11782	62,34	100
chr13	60582663	60582866	DIAPH3	NM_001042517 28	28	9	106	54	2260	11,08	100
chr13	60584628	60584837	DIAPH3	NM_001042517 28	28	8	137	298	12838	61,13	100
chr13	60590040	60590329	DIAPH3	NM_001042517 28	28	7,6	70,75	590	24177	83,37	100,0,100,0
chr13	60616758	60616973	DIAPH3	NM_001042517 28	28	5	131	328	14717	68,13	100
chr13	60667653	60667841	DIAPH3	NM_001042517 28	28	4	105	91	3963	20,97	76,2
chr13	60686146	60686358	DIAPH3	NM_001042517 28	28	3	177	328	12873	60,44	98,9
chr13	60706940	60707131	DIAPH3	NM_001042517 28	28	2	33	484	20918	108,95	100
chr13	60737784	60737990	DIAPH3	NM_001042517 28	28	1	180	69	2581	12,47	65
chr13	78472255	78472520	EDNRB	NM_000115 8	7	8	135	1132	52583	197,68	100
chr13	78473947	78474132	EDNRB	NM_000115 8	7	7	109	191	7449	40,05	100
chr13	78474646	78474858	EDNRB	NM_000115 8	7	6	134	273	10869	51,03	100
chr13	78475200	78475394	EDNRB	NM_000115 8	7	5	150	128	5830	29,9	95,3
chr13	78477251	78477685	EDNRB	NM_000115 8	7	4,3	205.113	749	34321	78,9	100,0,49,6
chr13	78492144	78492833	EDNRB	NM_000115 8	7	2	483	2933	142372	206,34	100
chr14	31344056	31344253	COCH	NM_001135058 11	11	1	34	75	3354	16,94	100
chr14	31346683	31346907	COCH	NM_001135058 11	11	3	157	1190	53054	235,8	82,8
chr14	31348049	31348243	COCH	NM_001135058 11	11	4	134	512	23163	118,78	76,1
chr14	31348595	31348789	COCH	NM_001135058 11	11	5	63	561	23363	119,81	100
chr14	31349643	31349932	COCH	NM_001135058 11	11	6,7	45.148	373	16494	56,88	100,0,94,6
chr14	31353782	31353973	COCH	NM_001135058 11	11	8	104	356	15886	82,74	77,9
chr14	31354577	31355488	COCH	NM_001135058 11	11	9,10	227.517	2363	113449	124,4	100,0,94,2
chr14	31358788	31359062	COCH	NM_001135058 11	11	11	176	1013	47152	171,46	100
chr14	61112896	61113277	SIX1	NM_005982 2	2	2	295	765	35141	91,99	93,9
chr14	61115384	61115972	SIX1	NM_005982 2	2	1	560	202	9343	15,86	93,6
chr14	76905660	76906094	ESRRB	NM_004452 11	8	4	397	277	12324	28,33	100
chr14	76928890	76929087	ESRRB	NM_004452 11	8	5	117	132	5771	29,15	98,3
chr14	76948283	76948486	ESRRB	NM_004452 11	8	6	111	553	24632	120,75	100
chr14	76948852	76949046	ESRRB	NM_004452 11	8	7	162	326	14493	74,32	65,4
chr14	76957751	76958034	ESRRB	NM_004452 11	8	8	270	62	2715	9,56	90,7
chr14	76964555	76964844	ESRRB	NM_004452 11	8	9	239	109	3867	13,33	100
chr14	76966149	76966331	ESRRB	NM_004452 11	8	10	204	562	23974	131,01	61,8
chr14	76967057	76967177	ESRRB	NM_004452 11	8	11	27	80	2507	20,72	29,6
chr15	43892773	43892893	STRC	NM_153700 29	29	26	149	219	7637	63,12	72,5
chr15	43892965	43893085	STRC	NM_153700 29	29	25	143	1779	73964	611,27	11,2
chr15	43893646	43893846	STRC	NM_153700 29	29	24	156	527	24539	122,08	66,7
chr15	43895579	43895699	STRC	NM_153700 29	29	23	170	253	8994	74,33	18,2
chr15	43896326	43896445	STRC	NM_153700 29	29	22	157	17	615	5,13	15,9
chr15	43896646	43896766	STRC	NM_153700 29	29	21	91	23	769	6,36	4,4
chr15	43897504	43897674	STRC	NM_153700 29	29	19	136	240	10018	58,58	69,1
chr15	78397472	78397687	CIB2	NM_001271888 5	4	5	22	131	5582	25,84	100
chr15	78398065	78398348	CIB2	NM_001271888 5	4	4	196	1081	51641	181,83	100
chr15	78401544	78401747	CIB2	NM_001271888 5	4	3	148	1036	42232	207,02	100
chr15	78403519	78403719	CIB2	NM_001271888 5	4	2	69	230	9673	48,12	82,6
chr15	78423442	78423719	CIB2	NM_001271888 5	4	1	371	4	175	0,63	57,4
chr16	21269984	21270184	CRYM	NM_001014444 9	8	9	65	496	21530	107,11	100
chr16	21272561	21272779	CRYM	NM_001014444 9	8	8	85	340	14975	68,38	100
chr16	21273384	21273593	CRYM	NM_001014444 9	8	7	122	167	7207	34,32	78,7
chr16	21278932	21279120	CRYM	NM_001014444 9	8	6	184	510	21925	116,01	69

chr16	21281106	21281291	CRYM	NM_001014444	9	8	5	102	396	17427	93,69	100
chr16	21286813	21287016	CRYM	NM_001014444	9	8	4	63	110	4455	21,84	100
chr16	21288776	21288991	CRYM	NM_001014444	9	8	3	154	270	12120	56,11	84,4
chr16	21289358	21289641	CRYM	NM_001014444	9	8	2	44	186	8254	29,06	100
chr16	21689798	21690019	OTOA	NM_144672	28	28	1	91	717	32293	145,46	100
chr16	21690218	21690557	OTOA	NM_144672	28	28	2,3,4	29,31,28	1380	66943	196,89	100.0,100.0,100.0
chr16	21692936	21693127	OTOA	NM_144672	28	28	5	88	1286	56517	294,36	78,4
chr16	21696561	21696767	OTOA	NM_144672	28	28	6	132	216	9709	46,9	92,4
chr16	21698651	21698928	OTOA	NM_144672	28	28	7	236	1173	53173	191,27	82,6
chr16	21702799	21702993	OTOA	NM_144672	28	28	8	104	282	10852	55,65	85,6
chr16	21709093	21709314	OTOA	NM_144672	28	28	9	101	272	11300	50,9	100
chr16	21712201	21712410	OTOA	NM_144672	28	28	10	140	365	16646	79,27	100
chr16	21716416	21716678	OTOA	NM_144672	28	28	11	124	882	39252	149,25	100
chr16	21721227	21721516	OTOA	NM_144672	28	28	12	216	656	29633	102,18	91,7
chr16	21726364	21726543	OTOA	NM_144672	28	28	13	168	665	28804	160,02	65,5
chr16	21728266	21728448	OTOA	NM_144672	28	28	14	141	148	5573	30,45	73
chr16	21730325	21730528	OTOA	NM_144672	28	28	15	59	712	30540	149,71	100
chr16	21730738	21730926	OTOA	NM_144672	28	28	16	118	897	39711	210,11	74,6
chr16	21734099	21734287	OTOA	NM_144672	28	28	17	74	720	31665	167,54	83,8
chr16	21737850	21738032	OTOA	NM_144672	28	28	18	136	154	6538	35,73	95,6
chr16	21739496	21739690	OTOA	NM_144672	28	28	19	191	831	34681	177,85	67,5
chr16	21747677	21747797	OTOA	NM_144672	28	28	21	130	224	9946	82,2	26,9
chr17	18022025	18025825	MYO15A	NM_016239	65	64	2	3609	6694	320673	84,37	100
chr17	18027683	18027880	MYO15A	NM_016239	65	64	3	83	199	8870	44,8	100
chr17	18028362	18028550	MYO15A	NM_016239	65	64	4	64	713	30556	161,67	100
chr17	18029597	18029782	MYO15A	NM_016239	65	64	5	110	153	6662	35,82	100
chr17	18030056	18030229	MYO15A	NM_016239	65	64	6	75	230	10286	59,11	100
chr17	18030406	18030600	MYO15A	NM_016239	65	64	7	95	353	15471	79,34	82,1
chr17	18034507	18034763	MYO15A	NM_016239	65	64	8	106	704	32893	127,99	100
chr17	18035687	18035890	MYO15A	NM_016239	65	64	10	114	588	23355	114,49	100
chr17	18036579	18036794	MYO15A	NM_016239	65	64	11	162	282	12477	57,76	75,3
chr17	18038921	18039106	MYO15A	NM_016239	65	64	12	114	199	8821	47,42	71,9
chr17	18039725	18040002	MYO15A	NM_016239	65	64	13,14	59.124	444	19309	69,46	100.0,100.0
chr17	18040905	18041108	MYO15A	NM_016239	65	64	15	96	724	32942	161,48	92,7
chr17	18041433	18041621	MYO15A	NM_016239	65	64	16	132	949	42909	227,03	97
chr17	18042126	18042326	MYO15A	NM_016239	65	64	17	126	954	44500	221,39	99,2
chr17	18042588	18042880	MYO15A	NM_016239	65	64	18	78	226	9547	32,58	42,3
chr17	18043854	18044202	MYO15A	NM_016239	65	64	19,20	149,46	775	34780	99,66	84.6,100.0
chr17	18044261	18044464	MYO15A	NM_016239	65	64	21	125	232	9258	45,38	100
chr17	18044946	18045158	MYO15A	NM_016239	65	64	22	118	695	28907	135,71	100
chr17	18045335	18045508	MYO15A	NM_016239	65	64	23	176	202	8315	47,79	65,9
chr17	18046077	18046265	MYO15A	NM_016239	65	64	24	85	126	5484	29,02	91,8
chr17	18046936	18047385	MYO15A	NM_016239	65	64	26,27	82.131	342	15199	33,78	100.0,100.0
chr17	18047716	18047919	MYO15A	NM_016239	65	64	28	96	333	14576	71,45	100
chr17	18049133	18049428	MYO15A	NM_016239	65	64	29	236	484	20527	69,35	100
chr17	18051279	18051458	MYO15A	NM_016239	65	64	30	182	260	10945	60,81	63,7
chr17	18051814	18052222	MYO15A	NM_016239	65	64	31,32	73.192	1292	61787	151,07	94.5,77.1
chr17	18052501	18052867	MYO15A	NM_016239	65	64	33,34	161,95	572	24487	66,72	100.0,71.6
chr17	18053664	18054172	MYO15A	NM_016239	65	64	35,36,37	115,68,78	365	16952	33,3	100.0,100.0,29.5
chr17	18054403	18054852	MYO15A	NM_016239	65	64	38,39	181.133	953	45708	101,57	100.0,100.0
chr17	18055082	18055439	MYO15A	NM_016239	65	64	40,41	106,73	966	41913	117,08	100.0,19.2

chr17	18057007	18057222	MYO15A	NM_016239	65	64	42	122	57	2459	11,38	100
chr17	18057446	18057649	MYO15A	NM_016239	65	64	43	60	297	13010	63,77	98,3
chr17	18057955	18058149	MYO15A	NM_016239	65	64	44	76	257	11664	59,82	100
chr17	18058353	18058698	MYO15A	NM_016239	65	64	45,46	116.119	625	28630	82,75	100,0,59.7
chr17	18059545	18059745	MYO15A	NM_016239	65	64	47	142	203	8222	40,91	74,6
chr17	18060270	18060642	MYO15A	NM_016239	65	64	48,49	112,75	392	17078	45,79	98.2,100.0
chr17	18060949	18061152	MYO15A	NM_016239	65	64	50	179	438	18523	90,8	65,4
chr17	18061827	18062021	MYO15A	NM_016239	65	64	51	116	583	25075	128,59	100
chr17	18062240	18062422	MYO15A	NM_016239	65	64	52	73	367	15024	82,1	98,6
chr17	18062639	18062830	MYO15A	NM_016239	65	64	53	73	893	36559	190,41	31,5
chr17	18062891	18063396	MYO15A	NM_016239	65	64	54,55	74,83	1730	80537	159,16	100,0,100.0
chr17	18064447	18064736	MYO15A	NM_016239	65	64	56	131	352	15869	54,72	80,9
chr17	18065776	18065997	MYO15A	NM_016239	65	64	57	95	383	15341	69,1	100
chr17	18066511	18066690	MYO15A	NM_016239	65	64	58	78	902	39249	218,05	100
chr17	18067057	18067236	MYO15A	NM_016239	65	64	59	97	177	7456	41,42	99
chr17	18069705	18069902	MYO15A	NM_016239	65	64	60	161	497	20910	105,61	81,4
chr17	18070810	18071025	MYO15A	NM_016239	65	64	61	134	171	7493	34,69	91
chr17	18074852	18075046	MYO15A	NM_016239	65	64	62	134	226	9654	49,51	70,9
chr17	18075489	18075784	MYO15A	NM_016239	65	64	63	134	975	42338	143,03	86,6
chr17	18077007	18077198	MYO15A	NM_016239	65	64	64	141	185	8476	44,15	73,8
chr17	18082063	18082269	MYO15A	NM_016239	65	64	65	102	300	12800	61,84	100
chr17	72914114	72914287	USH1G	NM_173477	3	3	3	4	524	22356	128,48	100
chr17	72915612	72916825	USH1G	NM_173477	3	3	2	1218	1165	54704	45,06	94,8
chr17	72918929	72919132	USH1G	NM_173477	3	3	1	164	52	2298	11,26	78
chr17	79477820	79477940	ACTG1	NM_001614	6	5	6	144	30	916	7,57	27,8
chr17	79478128	79478248	ACTG1	NM_001614	6	5	5,4	182.439	188	6777	56,01	3,8,8.0
chr17	79478635	79478755	ACTG1	NM_001614	6	5	4	439	275	8605	71,12	4,1
chr17	79479142	79479443	ACTG1	NM_001614	6	5	3,2	240.123	453	20770	68,77	11.2,100.0
chr18	44057036	44057876	LOXHD1	NM_144612	40	40	40	481	1946	89964	106,97	91,9
chr18	44063573	44063767	LOXHD1	NM_144612	40	40	39	159	386	16466	84,44	85,5
chr18	44064917	44065120	LOXHD1	NM_144612	40	40	38	133	722	32586	159,74	100
chr18	44068994	44069179	LOXHD1	NM_144612	40	40	37	171	833	34847	187,35	65,5
chr18	44085784	44085978	LOXHD1	NM_144612	40	40	36	186	1167	51270	262,92	95,7
chr18	44087502	44087675	LOXHD1	NM_144612	40	40	35	175	654	28552	164,09	99,4
chr18	44089453	44089748	LOXHD1	NM_144612	40	40	34	118	448	19352	65,38	74,6
chr18	44098115	44098324	LOXHD1	NM_144612	40	40	33	128	802	35075	167,02	82
chr18	44102064	44102282	LOXHD1	NM_144612	40	40	32	209	564	24731	112,93	100
chr18	44104404	44104850	LOXHD1	NM_144612	40	40	31,30	136.210	1113	51712	115,69	100,0,85.7
chr18	44109176	44109376	LOXHD1	NM_144612	40	40	29	155	417	18412	91,6	76,8
chr18	44113120	44113290	LOXHD1	NM_144612	40	40	28	163	114	5042	29,49	100
chr18	44114330	44114500	LOXHD1	NM_144612	40	40	27	117	500	21700	126,9	72,6
chr18	44118151	44118339	LOXHD1	NM_144612	40	40	26	182	490	20994	111,08	82,4
chr18	44121768	44121989	LOXHD1	NM_144612	40	40	25	165	525	23424	105,51	82,4
chr18	44122713	44122922	LOXHD1	NM_144612	40	40	24	129	761	32302	153,82	82,2
chr18	44125297	44125482	LOXHD1	NM_144612	40	40	23	105	423	17733	95,34	83,8
chr18	44126830	44127051	LOXHD1	NM_144612	40	40	22	164	269	10879	49	100
chr18	44137234	44137434	LOXHD1	NM_144612	40	40	21	134	812	35408	176,16	86,6
chr18	44139393	44139590	LOXHD1	NM_144612	40	40	20	155	693	30296	153,01	100
chr18	44140031	44140536	LOXHD1	NM_144612	40	40	19	463	2974	136532	269,83	100
chr18	44143052	44143270	LOXHD1	NM_144612	40	40	18	161	555	23367	106,7	85,1
chr18	44146278	44146490	LOXHD1	NM_144612	40	40	17	193	441	17440	81,88	69,9

chr18	44149396	44149599	LOXHD1	NM_144612	40	40	16	197	600	26141	128,14	99
chr18	44152037	44152252	LOXHD1	NM_144612	40	40	15	77	725	31449	145,6	100
chr18	44157715	44157918	LOXHD1	NM_144612	40	40	14	161	520	22275	109,19	72
chr18	44159506	44159697	LOXHD1	NM_144612	40	40	13	155	1616	65301	340,11	67,7
chr18	44171923	44172114	LOXHD1	NM_144612	40	40	12	136	497	21113	109,96	80,1
chr18	44172445	44172621	LOXHD1	NM_144612	40	40	11	87	326	14224	80,36	100
chr18	44173566	44173784	LOXHD1	NM_144612	40	40	10	161	196	8083	36,91	98,1
chr18	44174210	44174401	LOXHD1	NM_144612	40	40	9	136	912	36139	188,22	79,4
chr18	44181257	44181614	LOXHD1	NM_144612	40	40	8	251	2708	114622	320,17	69,3
chr18	44184087	44184293	LOXHD1	NM_144612	40	40	7	124	402	18187	87,86	85,5
chr18	44190769	44190972	LOXHD1	NM_144612	40	40	6	149	820	34762	170,4	79,9
chr18	44198109	44198291	LOXHD1	NM_144612	40	40	5	99	677	28811	157,44	100
chr18	44219642	44219845	LOXHD1	NM_144612	40	40	4	185	315	13901	68,14	65,9
chr18	44221813	44222031	LOXHD1	NM_144612	40	40	3	81	504	22546	102,95	100
chr18	44229059	44229277	LOXHD1	NM_144612	40	40	2	115	290	12581	57,45	100
chr18	44236864	44237055	LOXHD1	NM_144612	40	40	1	130	378	16353	85,17	100
chr19	3585603	3585883	GIPC3	NM_133261	6	6	1	225	19	851	3,03	96,9
chr19	3586434	3586930	GIPC3	NM_133261	6	6	2,3	186.181	806	37119	74,69	100.0,65.7
chr19	3589330	3589524	GIPC3	NM_133261	6	6	4	113	348	15285	78,38	74,3
chr19	3589780	3590306	GIPC3	NM_133261	6	6	5,6	82.152	345	16101	30,55	100.0,100.0
chr19	45202399	45202673	CEACAM16	NM_001039213	7	6	1	110	283	12551	45,64	100
chr19	45204584	45204775	CEACAM16	NM_001039213	7	6	2	37	372	15738	81,97	100
chr19	45206541	45206916	CEACAM16	NM_001039213	7	6	3	345	701	30887	82,15	86,4
chr19	45207331	45207617	CEACAM16	NM_001039213	7	6	4	279	78	3048	10,62	84,6
chr19	45208918	45209189	CEACAM16	NM_001039213	7	6	5	279	759	32870	120,85	79,2
chr19	45211184	45211541	CEACAM16	NM_001039213	7	6	6	327	136	5784	16,16	84,4
chr19	46268700	46269303	SIX5	NM_175875	3	3	3	611	246	11048	18,29	89,2
chr19	46269653	46270484	SIX5	NM_175875	3	3	2	806	102	4671	5,61	94,4
chr19	46271340	46272195	SIX5	NM_175875	3	3	1	803	48	2043	2,39	95
chr19	50713595	50714035	MYH14	NM_001145809	43	42	2	405	105	4385	9,94	100
chr19	50720831	50721004	MYH14	NM_001145809	43	42	3	157	664	28233	162,26	84,7
chr19	50726293	50726582	MYH14	NM_001145809	43	42	4,5	28.103	1005	46577	160,61	100.0,76.7
chr19	50727322	50727516	MYH14	NM_001145809	43	42	6	24	317	14113	72,37	100
chr19	50728802	50729026	MYH14	NM_001145809	43	42	7	93	200	9311	41,38	100
chr19	50730085	50730294	MYH14	NM_001145809	43	42	8	64	528	22286	106,12	100
chr19	50733730	50733936	MYH14	NM_001145809	43	42	9	99	83	3769	18,21	100
chr19	50735213	50735425	MYH14	NM_001145809	43	42	10	141	300	12636	59,32	81,6
chr19	50747371	50747589	MYH14	NM_001145809	43	42	11	96	296	12702	58	94,8
chr19	50750264	50750485	MYH14	NM_001145809	43	42	12	119	232	9850	44,37	97,5
chr19	50752288	50752479	MYH14	NM_001145809	43	42	13	153	233	9634	50,18	71,2
chr19	50752968	50753156	MYH14	NM_001145809	43	42	14	174	206	9100	48,15	64,9
chr19	50753686	50753889	MYH14	NM_001145809	43	42	15	174	219	9689	47,5	67,8
chr19	50755831	50756007	MYH14	NM_001145809	43	42	16	115	349	15389	86,94	97,4
chr19	50758350	50758565	MYH14	NM_001145809	43	42	17	99	1167	50989	236,06	89,9
chr19	50760621	50760797	MYH14	NM_001145809	43	42	18	188	169	6991	39,5	65,4
chr19	50762289	50762513	MYH14	NM_001145809	43	42	19	122	51	2148	9,55	92,6
chr19	50763762	50763977	MYH14	NM_001145809	43	42	20	70	695	30213	139,88	100
chr19	50764666	50764860	MYH14	NM_001145809	43	42	21	161	97	4377	22,45	80,1
chr19	50766447	50766674	MYH14	NM_001145809	43	42	22	109	243	10825	47,48	97,2
chr19	50770027	50770227	MYH14	NM_001145809	43	42	23	132	83	3805	18,93	71,2
chr19	50771495	50771695	MYH14	NM_001145809	43	42	24	207	442	17259	85,87	62,8

chr19	50774676	50774861	MYH14	NM_001145809	43	42	25	138	92	4038	21,71	92,8
chr19	50775103	50775288	MYH14	NM_001145809	43	42	26	124	202	8919	47,95	100
chr19	50775726	50775941	MYH14	NM_001145809	43	42	27	172	21	969	4,49	72,7
chr19	50779187	50779396	MYH14	NM_001145809	43	42	28	213	150	6252	29,77	70
chr19	50779910	50780110	MYH14	NM_001145809	43	42	29	145	174	7994	39,77	66,9
chr19	50781267	50781470	MYH14	NM_001145809	43	42	30	207	162	6924	33,94	63,3
chr19	50783238	50783580	MYH14	NM_001145809	43	42	31,32	105,153	394	18463	53,83	100,0,60,8
chr19	50784891	50785177	MYH14	NM_001145809	43	42	33	249	174	7315	25,49	83,9
chr19	50789669	50789881	MYH14	NM_001145809	43	42	34	213	149	6203	29,12	67,1
chr19	50792623	50792844	MYH14	NM_001145809	43	42	35	213	304	13296	59,89	71,4
chr19	50794190	50794384	MYH14	NM_001145809	43	42	36	162	199	8472	43,45	71,6
chr19	50795415	50795612	MYH14	NM_001145809	43	42	37	129	188	7843	39,61	73,6
chr19	50796505	50796681	MYH14	NM_001145809	43	42	38	89	89	3877	21,9	83,1
chr19	50796839	50797057	MYH14	NM_001145809	43	42	39	124	231	9087	41,49	85,5
chr19	50804993	50805181	MYH14	NM_001145809	43	42	40	209	77	2687	14,22	64,1
chr19	50810187	50810384	MYH14	NM_001145809	43	42	41	109	194	8369	42,27	72,5
chr19	50812319	50812492	MYH14	NM_001145809	43	42	42	173	238	9905	56,93	67,1
chr19	50812937	50813232	MYH14	NM_001145809	43	42	43	151	231	10798	36,48	73,5
chr20	57875686	57875975	EDN3	NM_207032	5	5	1	52	6	259	0,89	100
chr20	57876365	57876740	EDN3	NM_207032	5	5	2	313	113	4926	13,1	88,2
chr20	57896134	57896304	EDN3	NM_207032	5	5	3	177	531	22594	132,13	65
chr20	57897342	57897521	EDN3	NM_207032	5	5	4	81	101	4520	25,11	100
chr20	57899401	57899613	EDN3	NM_207032	5	5	5	37	389	16697	78,39	59,5
chr21	35821432	35822059	KCNE1	NM_000219	4	1	4	390	1450	66552	105,97	100
chr21	37833164	37834016	CLDN14	NM_001146077	3	1	3	720	782	36738	43,07	100
chr21	43792737	43792946	TMPRSS3	NM_024022	13	12	13	18	778	34329	163,47	100
chr21	43795737	43795949	TMPRSS3	NM_024022	13	12	12	153	592	24959	117,18	81,7
chr21	43796688	43796867	TMPRSS3	NM_024022	13	12	11	146	149	6365	35,36	74
chr21	43800245	43800433	TMPRSS3	NM_024022	13	12	10	96	335	15037	79,56	80,2
chr21	43802004	43802456	TMPRSS3	NM_024022	13	12	9	170	966	46484	102,61	100
chr21	43803055	43803264	TMPRSS3	NM_024022	13	12	8	166	302	12156	57,89	74,1
chr21	43804069	43804248	TMPRSS3	NM_024022	13	12	7	44	411	18434	102,41	100
chr21	43805537	43805740	TMPRSS3	NM_024022	13	12	6	126	784	34232	167,8	84,9
chr21	43808401	43808604	TMPRSS3	NM_024022	13	12	5	124	607	26500	129,9	75
chr21	43809025	43809219	TMPRSS3	NM_024022	13	12	4	117	1248	47903	245,66	100
chr21	43809993	43810175	TMPRSS3	NM_024022	13	12	3	111	147	6047	33,04	100
chr21	43815369	43815631	TMPRSS3	NM_024022	13	12	2	94	1733	76409	290,53	100
chr21	43815991	43816185	TMPRSS3	NM_024022	13	12	1	150	409	17352	88,98	90
chr21	45919561	45919835	TSPEAR	NM_144991	12	12	12	154	39	1672	6,08	100
chr21	45924658	45924861	TSPEAR	NM_144991	12	12	11	102	425	19299	94,6	100
chr21	45929087	45929272	TSPEAR	NM_144991	12	12	10	188	1162	48857	262,67	97,3
chr21	45941773	45942038	TSPEAR	NM_144991	12	12	9	230	360	16845	63,33	97
chr21	45945554	45945807	TSPEAR	NM_144991	12	12	8	187	723	32336	127,31	90,4
chr21	45947144	45947436	TSPEAR	NM_144991	12	12	7	227	944	43401	148,13	100
chr21	45948357	45948563	TSPEAR	NM_144991	12	12	6	132	165	6894	33,3	83,3
chr21	45949597	45949791	TSPEAR	NM_144991	12	12	5	157	749	33691	172,77	70,7
chr21	45950929	45951126	TSPEAR	NM_144991	12	12	4	91	700	29636	149,68	96,7
chr21	45953558	45953829	TSPEAR	NM_144991	12	12	3	239	78	3381	12,43	100
chr21	45987593	45987861	TSPEAR	NM_144991	12	12	2	221	443	20113	74,77	87,3
chr21	46131251	46131457	TSPEAR	NM_144991	12	12	1	82	302	12075	58,33	100
chr22	36678651	36678928	MYH9	NM_002473	41	40	41	118	78	3330	11,98	100

chr22	36680187	36680627	MYH9	NM_002473	41	40	40,39	173.109	641	30406	68,95	72.3,100.0
chr22	36681170	36681385	MYH9	NM_002473	41	40	38	209	342	13103	60,66	98,6
chr22	36681746	36682091	MYH9	NM_002473	41	40	37,36	124,89	196	8960	25,9	66.1,100.0
chr22	36682694	36682888	MYH9	NM_002473	41	40	35	129	292	12756	65,42	96,9
chr22	36684293	36684484	MYH9	NM_002473	41	40	34	162	272	11866	61,8	100
chr22	36684751	36685369	MYH9	NM_002473	41	40	33,32	213.213	1678	78298	126,49	100.0,100.0
chr22	36688036	36688316	MYH9	NM_002473	41	40	31	249	464	20802	74,03	98,4
chr22	36689380	36689571	MYH9	NM_002473	41	40	30	153	417	17420	90,73	96,7
chr22	36689690	36689899	MYH9	NM_002473	41	40	29	105	380	17149	81,66	90,5
chr22	36690215	36690415	MYH9	NM_002473	41	40	28	207	510	21431	106,62	62,8
chr22	36691018	36691206	MYH9	NM_002473	41	40	27	145	157	6378	33,75	72,4
chr22	36691586	36691801	MYH9	NM_002473	41	40	26	213	764	31958	147,95	83,6
chr22	36692925	36693149	MYH9	NM_002473	41	40	25	172	320	13004	57,8	79,1
chr22	36694965	36695141	MYH9	NM_002473	41	40	24	124	363	16429	92,82	100
chr22	36696186	36696413	MYH9	NM_002473	41	40	23	138	149	5428	23,81	90,6
chr22	36696971	36697165	MYH9	NM_002473	41	40	22	207	505	21341	109,44	64,3
chr22	36697470	36697676	MYH9	NM_002473	41	40	21	132	346	14711	71,07	73,5
chr22	36698633	36698824	MYH9	NM_002473	41	40	20	109	204	8171	42,56	82,6
chr22	36700062	36700262	MYH9	NM_002473	41	40	19	161	185	8039	40	87
chr22	36701070	36701288	MYH9	NM_002473	41	40	18	70	484	21248	97,02	100
chr22	36702011	36702196	MYH9	NM_002473	41	40	17	122	465	18505	99,49	71,3
chr22	36702471	36702662	MYH9	NM_002473	41	40	16	194	179	7447	38,79	94,3
chr22	36705316	36705504	MYH9	NM_002473	41	40	15	115	933	40832	216,04	100
chr22	36708140	36708355	MYH9	NM_002473	41	40	14	174	212	8131	37,64	73,6
chr22	36710316	36710436	MYH9	NM_002473	41	40	13	174	198	7332	60,6	27,6
chr22	36712474	36712677	MYH9	NM_002473	41	40	12	153	355	16550	81,13	75,8
chr22	36714285	36714458	MYH9	NM_002473	41	40	11	119	138	5354	30,77	72,3
chr22	36715457	36715672	MYH9	NM_002473	41	40	10	96	870	39274	181,82	91,7
chr22	36716212	36716397	MYH9	NM_002473	41	40	9	144	539	22101	118,82	92,4
chr22	36716746	36716955	MYH9	NM_002473	41	40	8	99	529	23461	111,72	100
chr22	36717710	36717895	MYH9	NM_002473	41	40	7	64	629	27856	149,76	100
chr22	36718473	36718691	MYH9	NM_002473	41	40	6	93	32	1323	6,04	100
chr22	36722517	36722726	MYH9	NM_002473	41	40	5	94	253	11183	53,25	100
chr22	36723431	36723613	MYH9	NM_002473	41	40	4	28	631	26183	143,08	100
chr22	36737464	36737649	MYH9	NM_002473	41	40	3	157	98	3795	20,4	68,8
chr22	36745018	36745357	MYH9	NM_002473	41	40	2	333	2551	117718	346,23	79,3
chr22	38097333	38097524	TRIOBP	NM_001039141	24	21	3	114	690	28905	150,55	100
chr22	38106466	38106672	TRIOBP	NM_001039141	24	21	4	140	171	7062	34,12	77,1
chr22	38109286	38109492	TRIOBP	NM_001039141	24	21	5	202	370	16385	79,15	65,8
chr22	38111683	38111895	TRIOBP	NM_001039141	24	21	6	172	44	1873	8,79	73,3
chr22	38119161	38119764	TRIOBP	NM_001039141	24	21	7	3319	2904	135469	224,29	17,3
chr22	38120936	38122469	TRIOBP	NM_001039141	24	21	7	3319	5880	282062	183,87	46,2
chr22	38129189	38129398	TRIOBP	NM_001039141	24	21	8	115	40	1649	7,85	81,7
chr22	38130462	38131542	TRIOBP	NM_001039141	24	21	9	1044	519	24060	22,26	94,6
chr22	38134524	38134715	TRIOBP	NM_001039141	24	21	10	78	327	12499	65,1	85,9
chr22	38136891	38137115	TRIOBP	NM_001039141	24	21	11	138	101	4728	21,01	100
chr22	38147721	38147894	TRIOBP	NM_001039141	24	21	12	57	130	6074	34,91	100
chr22	38150815	38151163	TRIOBP	NM_001039141	24	21	13,14	108,90	870	40108	114,92	100.0,62.2
chr22	38151556	38151741	TRIOBP	NM_001039141	24	21	15	110	938	38941	209,36	100
chr22	38153550	38154091	TRIOBP	NM_001039141	24	21	16	526	77	3242	5,98	89,7
chr22	38155060	38155595	TRIOBP	NM_001039141	24	21	17	111	644	29888	55,76	100

chr22	38161695	38161922	TRIOBP	NM_001039141	24	21	18	148	48	2005	8,79	87,8
chr22	38163956	38164168	TRIOBP	NM_001039141	24	21	19	103	856	35852	168,32	85,4
chr22	38164956	38165340	TRIOBP	NM_001039141	24	21	20,21	160.114	149	6840	17,77	100.0,63.2
chr22	38167676	38167986	TRIOBP	NM_001039141	24	21	22	87	349	15593	50,14	78,2
chr22	38168567	38168746	TRIOBP	NM_001039141	24	21	23	162	376	15704	87,24	85,8
chr22	38369426	38370156	SOX10	NM_006941	4	3	4	704	989	45150	61,76	93
chr22	38373918	38374192	SOX10	NM_006941	4	3	3	269	68	2837	10,32	83,6
chr22	38379429	38379869	SOX10	NM_006941	4	3	2	428	115	5219	11,83	84,8
chr9	140093356	140095221	TPRN	NM_001128228	4	4	1	1725	446	20358	10,91	100
chrX	21755581	21755781	SMPX	NM_014332	5	3	4	135	497	21821	108,56	74,8
chrX	21761882	21762070	SMPX	NM_014332	5	3	3	87	66	2767	14,64	83,9
chrX	21772251	21772445	SMPX	NM_014332	5	3	2	45	304	12256	62,85	100
chrX	82763268	82764517	POU3F4	NM_000307	1	1	1	1086	3505	160658	128,53	100
chrX	100601604	100601724	TIMM8A	NM_004085	2	2	2	162	216	8581	70,92	27,8
chrX	100603380	100603749	TIMM8A	NM_004085	2	2	1	132	794	36315	98,15	100
chrX	106882585	106882791	PRPS1	NM_002764	7	7	2	184	217	8312	40,15	67,4
chrX	106884176	106884438	PRPS1	NM_002764	7	7	3	99	659	28929	110	55,6
chrX	106885620	106885814	PRPS1	NM_002764	7	7	4	125	622	25469	130,61	80,8
chrX	106888468	106888665	PRPS1	NM_002764	7	7	5	174	581	22922	115,77	64,9
chrX	106890872	106891078	PRPS1	NM_002764	7	7	6	160	352	15548	75,11	77,5
chrX	106893096	106893400	PRPS1	NM_002764	7	7	7	93	549	26117	85,63	100
chrX	107683180	107683448	COL4A5	NM_033380	51	51	1	81	285	13154	48,9	100
chrX	107782905	107783093	COL4A5	NM_033380	51	51	2	60	102	4564	24,15	100
chrX	107802193	107802363	COL4A5	NM_033380	51	51	3	90	92	3947	23,08	77,8
chrX	107807045	107807230	COL4A5	NM_033380	51	51	4	45	103	3726	20,03	100
chrX	107811911	107812123	COL4A5	NM_033380	51	51	6	63	151	6283	29,5	100
chrX	107814560	107814766	COL4A5	NM_033380	51	51	7	54	237	10019	48,4	100
chrX	107814968	107815153	COL4A5	NM_033380	51	51	8	27	195	7514	40,4	100
chrX	107816740	107816946	COL4A5	NM_033380	51	51	9	81	359	15917	76,89	100
chrX	107819070	107819276	COL4A5	NM_033380	51	51	10	63	85	3592	17,35	100
chrX	107821180	107821620	COL4A5	NM_033380	51	51	11,12,13	36,42,93	333	15288	34,67	100.0,100.0,100.0
chrX	107823798	107824010	COL4A5	NM_033380	51	51	14,15	54,57	128	5615	26,36	35.2,100.0
chrX	107824164	107824367	COL4A5	NM_033380	51	51	16	45	327	13915	68,21	100
chrX	107826010	107826216	COL4A5	NM_033380	51	51	17	54	282	12771	61,7	100
chrX	107827631	107827834	COL4A5	NM_033380	51	51	18	42	58	2202	10,79	100
chrX	107829825	107830052	COL4A5	NM_033380	51	51	19	133	49	2295	10,07	100
chrX	107834214	107834399	COL4A5	NM_033380	51	51	20	174	104	4557	24,5	64,4
chrX	107834726	107834944	COL4A5	NM_033380	51	51	21	84	96	3808	17,39	100
chrX	107838702	107838917	COL4A5	NM_033380	51	51	22	93	321	14135	65,44	100
chrX	107840207	107840383	COL4A5	NM_033380	51	51	23	71	41	1777	10,04	100
chrX	107840539	107840742	COL4A5	NM_033380	51	51	24	192	197	8039	39,41	70,8
chrX	107841936	107842157	COL4A5	NM_033380	51	51	25	169	187	8219	37,02	97,6
chrX	107844550	107844747	COL4A5	NM_033380	51	51	26	93	332	15592	78,75	100
chrX	107845081	107845305	COL4A5	NM_033380	51	51	27	105	159	6839	30,4	100
chrX	107846127	107846351	COL4A5	NM_033380	51	51	28	98	238	8934	39,71	100
chrX	107849880	107850071	COL4A5	NM_033380	51	51	29	151	531	23022	119,91	66,2
chrX	107858088	107858312	COL4A5	NM_033380	51	51	30	114	216	9737	43,28	100
chrX	107863460	107863684	COL4A5	NM_033380	51	51	31	168	281	10556	46,92	100
chrX	107864971	107865192	COL4A5	NM_033380	51	51	32	90	176	7396	33,32	100
chrX	107865865	107866095	COL4A5	NM_033380	51	51	33	150	59	2707	11,72	100
chrX	107867399	107867629	COL4A5	NM_033380	51	51	34	99	169	7503	32,48	100

chrX	107868843	107869064	COL4A5	NM_033380	51	51	35	90	825	35684	160,74	100
chrX	107869368	107869722	COL4A5	NM_033380	51	51	36	140	435	19931	56,14	100
chrX	107898598	107898783	COL4A5	NM_033380	51	51	37	127	722	29301	157,53	70,9
chrX	107908661	107908876	COL4A5	NM_033380	51	51	38	81	152	6798	31,47	100
chrX	107909659	107909883	COL4A5	NM_033380	51	51	39	99	116	4965	22,07	100
chrX	107910284	107910475	COL4A5	NM_033380	51	51	40	51	154	6579	34,27	100
chrX	107911490	107911672	COL4A5	NM_033380	51	51	41	188	295	12007	65,61	66
chrX	107920641	107920817	COL4A5	NM_033380	51	51	42	137	373	15800	89,27	66,4
chrX	107923832	107924112	COL4A5	NM_033380	51	51	43	73	640	28671	102,03	100
chrX	107924884	107925081	COL4A5	NM_033380	51	51	45	129	455	20608	104,08	71,3
chrX	107929155	107929334	COL4A5	NM_033380	51	51	46	99	702	27463	152,57	74,7
chrX	107930783	107930968	COL4A5	NM_033380	51	51	47	213	570	24660	132,58	66,7
chrX	107935948	107936124	COL4A5	NM_033380	51	51	48	178	399	16877	95,35	82,6
chrX	107938065	107938244	COL4A5	NM_033380	51	51	49	115	663	28627	159,04	75,7
chrX	107938554	107938751	COL4A5	NM_033380	51	51	50	173	310	13532	68,34	67,1
chrX	107939499	107939776	COL4A5	NM_033380	51	51	51	82	597	26449	95,14	100

Median 72,175 99,95

S4 Table: List of the intellectual disability genes and coverage data.

Chromosome	Start position	End position	Gene name	Gene id	Total exons	Total coding exons	Component nr	Exon size	reads	bps	coverage	Overlap %
chr1	2160177	2161251	SKI	NM_003036	7	7	1	969	315	14156	13,17	100
chr1	2234380	2234802	SKI	NM_003036	7	7	2,3	126.116	317	14348	33,92	100,0,68.1
chr1	2235344	2235609	SKI	NM_003036	7	7	4	263	52	2409	9,06	75,3
chr1	2235677	2235972	SKI	NM_003036	7	7	5	293	171	7783	26,29	82,3
chr1	2237376	2237650	SKI	NM_003036	7	7	6	231	28	1270	4,62	83,1
chr1	2238059	2238250	SKI	NM_003036	7	7	7	189	1	50	0,26	77,2
chr1	2337038	2337229	PEX10	NM_153818	6	6	6	69	775	33276	173,31	36,2
chr1	2337931	2338448	PEX10	NM_153818	6	6	5,4	136.236	468	21384	41,28	94,1,100,0
chr1	2339879	2340313	PEX10	NM_153818	6	6	3	407	602	23260	53,47	100
chr1	2341794	2342018	PEX10	NM_153818	6	6	2	81	594	25848	114,88	100
chr1	2343878	2344069	PEX10	NM_153818	6	6	1	112	0	0	0	57,1
chr1	24122354	24122776	GALE	NM_001127621	11	10	11,10	59.115	335	15052	35,58	100,0,100,0
chr1	24122991	24123650	GALE	NM_001127621	11	10	9,8,7,6	78,86,67,114	1997	93185	141,19	100,0,100,0,100,0,100,0
chr1	24124220	24124438	GALE	NM_001127621	11	10	5	177	512	22794	104,08	80,2
chr1	24124566	24124763	GALE	NM_001127621	11	10	4	114	597	27330	138,03	100
chr1	24125061	24125575	GALE	NM_001127621	11	10	3,2	116.121	2023	94445	183,39	100,0,100,0
chr1	24172073	24172433	FUCA1	NM_000147	8	8	8	141	624	28875	79,99	100
chr1	24172510	24172725	FUCA1	NM_000147	8	8	7	100	101	4490	20,79	100
chr1	24175202	24175408	FUCA1	NM_000147	8	8	6	191	183	7891	38,12	67
chr1	24180816	24181019	FUCA1	NM_000147	8	8	5	201	311	14687	72	84,6
chr1	24186183	24186377	FUCA1	NM_000147	8	8	4	106	656	28289	145,07	84,9
chr1	24189658	24189837	FUCA1	NM_000147	8	8	3	138	132	5582	31,01	75,4
chr1	24192010	24192210	FUCA1	NM_000147	8	8	2	135	725	31671	157,57	78,5
chr1	24194373	24194807	FUCA1	NM_000147	8	8	1	389	229	10344	23,78	100
chr1	27022773	27023992	ARID1A	NM_006015	20	20	1	1137	59	2603	2,13	96,6
chr1	27056045	27056304	ARID1A	NM_006015	20	20	2	213	784	36323	139,7	76,5
chr1	27057609	27058073	ARID1A	NM_006015	20	20	3	453	1818	84413	181,53	95,1
chr1	27059067	27059261	ARID1A	NM_006015	20	20	4	117	158	6922	35,5	81,2
chr1	27087281	27087534	ARID1A	NM_006015	20	20	5	241	933	39794	156,67	78
chr1	27087750	27087959	ARID1A	NM_006015	20	20	6	90	405	17310	82,43	94,4
chr1	27088551	27088754	ARID1A	NM_006015	20	20	7	168	367	15843	77,66	66,7
chr1	27089484	27089862	ARID1A	NM_006015	20	20	8	313	786	35471	93,59	93,6
chr1	27092773	27093136	ARID1A	NM_006015	20	20	9,10	146.110	802	37924	104,19	58,2,100,0
chr1	27094213	27094413	ARID1A	NM_006015	20	20	11	210	257	11425	56,84	63,3
chr1	27097550	27097738	ARID1A	NM_006015	20	20	12	208	605	26308	139,2	62
chr1	27099016	27099521	ARID1A	NM_006015	20	20	13,14	133.176	1089	52005	102,78	81,2,100,0
chr1	27099875	27100487	ARID1A	NM_006015	20	20	15,16,17	151,138,97	2101	101218	165,12	74,8,100,0,100,0
chr1	27100730	27101668	ARID1A	NM_006015	20	20	18	892	2433	112556	119,87	95,2
chr1	27102121	27102457	ARID1A	NM_006015	20	20	19	131	847	38721	114,9	59,5
chr1	27105450	27107333	ARID1A	NM_006015	20	20	20	1734	6731	320232	169,97	100
chr1	27117148	27117348	PIGV	NM_017837	4	3	2	78	575	24201	120,4	53,8
chr1	27120539	27121720	PIGV	NM_017837	4	3	3	1122	5757	278649	235,74	99,6
chr1	27123996	27124504	PIGV	NM_017837	4	3	4	282	2984	142485	279,93	100
chr1	43392650	43392862	SLC2A1	NM_006516	10	10	10	201	482	20560	96,53	75,1
chr1	43393268	43393486	SLC2A1	NM_006516	10	10	9	204	191	7938	36,25	100
chr1	43394535	43395692	SLC2A1	NM_006516	10	10	8,7,6,5	102.105.188.163	2325	112575	97,22	100,0,100,0,100,0,91.4
chr1	43396009	43396867	SLC2A1	NM_006516	10	10	4,3	241.161	906	41990	48,88	100,0,93.8
chr1	43408907	43409245	SLC2A1	NM_006516	10	10	2	96	1527	70348	207,52	89,6
chr1	44201855	44202028	ST3GAL3	NM_174963	13	12	2	163	973	40391	232,13	58,3
chr1	44257708	44257896	ST3GAL3	NM_174963	13	12	3	48	80	3453	18,27	100
chr1	44280414	44280620	ST3GAL3	NM_174963	13	12	4	43	448	20234	97,75	100
chr1	44290437	44290655	ST3GAL3	NM_174963	13	12	5	162	133	5512	25,17	79
chr1	44303782	44303976	ST3GAL3	NM_174963	13	12	6	93	1581	68330	350,41	92,5
chr1	44360001	44360186	ST3GAL3	NM_174963	13	12	7	95	610	25460	136,88	100
chr1	44363793	44363966	ST3GAL3	NM_174963	13	12	8	64	560	22051	126,73	93,8

chr1	44364835	44365023	ST3GAL3	NM_174963	13	12	9	96	412	16381	86,67	100
chr1	44365207	44365478	ST3GAL3	NM_174963	13	12	10	187	622	25610	94,15	100
chr1	44386048	44386233	ST3GAL3	NM_174963	13	12	11	147	342	14518	78,05	100
chr1	44386450	44386668	ST3GAL3	NM_174963	13	12	12	147	280	11773	53,76	100
chr1	44395611	44395983	ST3GAL3	NM_174963	13	12	13	90	812	37963	101,78	100
chr1	45965874	45966148	MMACHC	NM_015506	4	4	1	81	1065	48523	176,45	100
chr1	45973099	45973299	MMACHC	NM_015506	4	4	2	195	553	22546	112,17	63,6
chr1	45973793	45974011	MMACHC	NM_015506	4	4	3	153	409	17565	80,21	83,7
chr1	45974379	45974988	MMACHC	NM_015506	4	4	4	420	3488	165716	271,67	100
chr1	46654274	46654717	POMGNT1	NM_001243766	23	22	23	262	880	42360	95,41	100
chr1	46654825	46655188	POMGNT1	NM_001243766	23	22	22,21	116,84	204	8770	24,09	100.0,39.3
chr1	46655508	46655693	POMGNT1	NM_001243766	23	22	20	136	354	15175	81,59	100
chr1	46656015	46656191	POMGNT1	NM_001243766	23	22	19	45	712	28345	160,14	100
chr1	46656380	46656580	POMGNT1	NM_001243766	23	22	18	65	136	5371	26,72	100
chr1	46657812	46658332	POMGNT1	NM_001243766	23	22	17,16,15	126,129,73	1757	81742	156,89	66.7,100.0,100.0
chr1	46658491	46658691	POMGNT1	NM_001243766	23	22	14	59	1326	56816	282,67	100
chr1	46658755	46659278	POMGNT1	NM_001243766	23	22	13,12,11	42,84,76	2350	109340	208,66	100.0,100.0,56.6
chr1	46659422	46659643	POMGNT1	NM_001243766	23	22	10	71	1368	57193	257,63	100
chr1	46659977	46660408	POMGNT1	NM_001243766	23	22	9,8	128,99	1379	64119	148,42	75.8,100.0
chr1	46660537	46660749	POMGNT1	NM_001243766	23	22	7	118	127	5152	24,19	82,2
chr1	46661357	46661717	POMGNT1	NM_001243766	23	22	6,5	114,66	512	23316	64,59	100.0,51.5
chr1	46662474	46662822	POMGNT1	NM_001243766	23	22	4,3	119,115	1208	57144	163,74	40.3,100.0
chr1	46663342	46663521	POMGNT1	NM_001243766	23	22	2	120	296	12161	67,56	100
chr1	46665388	46666003	POMGNT1	NM_001243766	23	22	1	601	1031	47256	76,71	98,2
chr1	47716669	47717663	STIL	NM_001048166	17	16	17	787	2755	133720	134,39	100
chr1	47725954	47726213	STIL	NM_001048166	17	16	16	251	422	20285	78,02	100
chr1	47728599	47728820	STIL	NM_001048166	17	16	15	214	554	23352	105,19	88,8
chr1	47735300	47735577	STIL	NM_001048166	17	16	14	232	936	42543	153,03	100
chr1	47737715	47737939	STIL	NM_001048166	17	16	13	166	477	20543	91,3	100
chr1	47745860	47746866	STIL	NM_001048166	17	16	12	969	2962	143810	142,81	98,5
chr1	47748003	47748197	STIL	NM_001048166	17	16	11	115	242	9835	50,44	100
chr1	47753246	47753437	STIL	NM_001048166	17	16	10	110	450	19921	103,76	79,1
chr1	47755063	47755251	STIL	NM_001048166	17	16	9	151	339	14863	78,64	96
chr1	47759063	47759257	STIL	NM_001048166	17	16	8	87	239	10278	52,71	100
chr1	47761357	47761545	STIL	NM_001048166	17	16	7	84	264	11821	62,54	100
chr1	47765575	47765846	STIL	NM_001048166	17	16	6	248	695	31366	115,32	100
chr1	47767256	47767453	STIL	NM_001048166	17	16	5	188	275	11639	58,78	87,8
chr1	47767897	47768079	STIL	NM_001048166	17	16	4	113	454	19042	104,05	100
chr1	47770493	47770838	STIL	NM_001048166	17	16	3	108	194	8931	25,81	100
chr1	47775874	47776059	STIL	NM_001048166	17	16	2	44	185	7696	41,38	100
chr1	52838779	52839059	ORC1	NM_004153	17	16	17	195	1055	50748	180,6	100
chr1	52840395	52840580	ORC1	NM_004153	17	16	16	88	86	2518	13,54	100
chr1	52841011	52841217	ORC1	NM_004153	17	16	15	170	408	16986	82,06	68,2
chr1	52847198	52847407	ORC1	NM_004153	17	16	14	120	619	26428	125,85	78,3
chr1	52849114	52849314	ORC1	NM_004153	17	16	13	150	209	9001	44,78	85,3
chr1	52849524	52849727	ORC1	NM_004153	17	16	12	108	212	9554	46,83	79,6
chr1	52850135	52850347	ORC1	NM_004153	17	16	11	172	525	21797	102,33	73,3
chr1	52850852	52851034	ORC1	NM_004153	17	16	10	102	265	10769	58,85	81,4
chr1	52851544	52851729	ORC1	NM_004153	17	16	9	98	233	10258	55,15	79,6
chr1	52854180	52854356	ORC1	NM_004153	17	16	8	196	209	8689	49,09	66,3
chr1	52854798	52855004	ORC1	NM_004153	17	16	7	105	783	33950	164,01	100
chr1	52859177	52859534	ORC1	NM_004153	17	16	6	361	623	29111	81,32	82,8
chr1	52861750	52862125	ORC1	NM_004153	17	16	5	319	1095	52219	138,88	90
chr1	52863408	52863605	ORC1	NM_004153	17	16	4	179	923	40580	204,95	71,5
chr1	52866997	52867197	ORC1	NM_004153	17	16	3	128	1056	46627	231,98	100
chr1	52867746	52867964	ORC1	NM_004153	17	16	2	95	405	17355	79,25	100
chr1	55317794	55318018	DHCR24	NM_014762	9	9	9	154	257	11298	50,21	73,4

chr1	55319050	55319241	DHCR24	NM_014762	9	9	8	179	643	28181	146,78	75,4
chr1	55319783	55319971	DHCR24	NM_014762	9	9	7	198	68	3101	16,41	63,1
chr1	55331010	55331192	DHCR24	NM_014762	9	9	6	144	613	27277	149,05	76,4
chr1	55337077	55337363	DHCR24	NM_014762	9	9	5	264	583	25822	89,97	79,5
chr1	55340655	55340861	DHCR24	NM_014762	9	9	4	119	703	30578	147,72	80,7
chr1	55341621	55341842	DHCR24	NM_014762	9	9	3	106	72	2879	12,97	94,3
chr1	55349223	55349393	DHCR24	NM_014762	9	9	2	156	1559	64798	378,94	66
chr1	55352221	55352824	DHCR24	NM_014762	9	9	1	231	2003	95244	157,69	100
chr1	63836512	63836795	ALG6	NM_013339	15	14	2	82	1059	48921	172,26	100
chr1	63862110	63862280	ALG6	NM_013339	15	14	3	85	269	11158	65,25	100
chr1	63867890	63868090	ALG6	NM_013339	15	14	4	90	138	5689	28,3	100
chr1	63870073	63870258	ALG6	NM_013339	15	14	5	89	146	5988	32,19	100
chr1	63871907	63872104	ALG6	NM_013339	15	14	6	83	165	7094	35,83	100
chr1	63872650	63872868	ALG6	NM_013339	15	14	7	65	277	11858	54,15	100
chr1	63876807	63876995	ALG6	NM_013339	15	14	8	186	407	18230	96,46	96,2
chr1	63877564	63877779	ALG6	NM_013339	15	14	9	136	462	19309	89,39	100
chr1	63879653	63879841	ALG6	NM_013339	15	14	10	86	436	18901	100,01	100
chr1	63881497	63881673	ALG6	NM_013339	15	14	11	85	532	20474	115,67	100
chr1	63884990	63885160	ALG6	NM_013339	15	14	12	71	71	3163	18,5	100
chr1	63894383	63894820	ALG6	NM_013339	15	14	13,14	69.199	150	6803	15,53	100.0,100.0
chr1	63902459	63902751	ALG6	NM_013339	15	14	15	198	717	32961	112,49	100
chr1	97544416	97544773	DPYD	NM_000110	23	23	23	171	816	38247	106,84	100
chr1	97547780	97547995	DPYD	NM_000110	23	23	22	141	248	10637	49,25	78
chr1	97564043	97564246	DPYD	NM_000110	23	23	21	144	624	26880	131,76	100
chr1	97658689	97658871	DPYD	NM_000110	23	23	20	180	126	5067	27,69	64,4
chr1	97700423	97700620	DPYD	NM_000110	23	23	19	143	1265	54657	276,05	89,5
chr1	97770702	97770899	DPYD	NM_000110	23	23	18	120	613	23374	118,05	70,8
chr1	97771689	97771907	DPYD	NM_000110	23	23	17	121	357	15076	68,84	100
chr1	97839127	97839303	DPYD	NM_000110	23	23	16	84	314	13306	75,18	88,1
chr1	97847894	97848067	DPYD	NM_000110	23	23	15	69	225	9761	56,1	100
chr1	97915551	97915721	DPYD	NM_000110	23	23	14	165	120	4868	28,47	64,8
chr1	97981246	97981535	DPYD	NM_000110	23	23	13	216	419	19525	67,33	100
chr1	98015122	98015316	DPYD	NM_000110	23	23	12	185	1184	46088	236,35	96,8
chr1	98039350	98039550	DPYD	NM_000110	23	23	11	211	1331	57666	286,9	83,9
chr1	98058710	98058898	DPYD	NM_000110	23	23	10	170	663	28770	152,22	73,5
chr1	98060568	98060762	DPYD	NM_000110	23	23	9	108	195	8675	44,49	100
chr1	98144558	98144764	DPYD	NM_000110	23	23	8	88	102	4387	21,19	100
chr1	98157213	98157401	DPYD	NM_000110	23	23	7	82	236	10113	53,51	100
chr1	98164928	98165137	DPYD	NM_000110	23	23	6	197	626	27179	129,42	89,3
chr1	98186974	98187171	DPYD	NM_000110	23	23	5	162	445	18238	92,11	65,4
chr1	98205921	98206121	DPYD	NM_000110	23	23	4	88	96	3974	19,77	100
chr1	98293565	98293780	DPYD	NM_000110	23	23	3	83	444	18839	87,22	100
chr1	98348768	98348977	DPYD	NM_000110	23	23	2	111	355	16317	77,7	100
chr1	98386436	98386606	DPYD	NM_000110	23	23	1	39	74	3334	19,5	100
chr1	100661709	100662066	DBT	NM_001918	11	11	11	168	747	33842	94,53	100
chr1	100671732	100672190	DBT	NM_001918	11	11	10,9	72.192	390	16933	36,89	100.0,99.0
chr1	100676164	100676423	DBT	NM_001918	11	11	8	78	593	25407	97,72	100
chr1	100680334	100680531	DBT	NM_001918	11	11	7	167	495	21329	107,72	95,2
chr1	100681461	100681729	DBT	NM_001918	11	11	6	217	509	23532	87,48	88
chr1	100684145	100684333	DBT	NM_001918	11	11	5	122	705	32358	171,21	100
chr1	100696324	100696554	DBT	NM_001918	11	11	4	182	122	5443	23,56	80,8
chr1	100700962	100701165	DBT	NM_001918	11	11	3	76	87	4022	19,72	100
chr1	100706353	100706547	DBT	NM_001918	11	11	2	124	156	6116	31,36	71
chr1	100715241	100715423	DBT	NM_001918	11	11	1	51	1578	67111	366,73	100
chr1	114437567	114438179	AP4B1	NM_001253852	10	10	10	428	845	39683	64,74	100
chr1	114438333	114438702	AP4B1	NM_001253852	10	10	9	282	573	25816	69,77	100
chr1	114438823	114439112	AP4B1	NM_001253852	10	10	8	208	871	38910	134,17	100

chr1	114440359	114440553	AP4B1	NM_001253852	10	10	7	104	474	20731	106,31	88,5
chr1	114441302	114441511	AP4B1	NM_001253852	10	10	6	84	226	10074	47,97	100
chr1	114442494	114443100	AP4B1	NM_001253852	10	10	5	497	1168	54253	89,38	100
chr1	114443903	114444088	AP4B1	NM_001253852	10	10	4	148	328	14070	75,65	69,6
chr1	114444326	114444556	AP4B1	NM_001253852	10	10	3	131	515	22729	98,39	100
chr1	114445303	114445565	AP4B1	NM_001253852	10	10	2	225	499	22981	87,38	80,9
chr1	114447180	114447451	AP4B1	NM_001253852	10	10	1	113	550	25267	92,89	100
chr1	120254561	120254835	PHGDH	NM_006623	12	12	1	138	588	26135	95,04	100
chr1	120263694	120263882	PHGDH	NM_006623	12	12	2	152	697	29815	157,75	59,2
chr1	120266003	120266185	PHGDH	NM_006623	12	12	3	66	690	29873	163,24	93,9
chr1	120269534	120269814	PHGDH	NM_006623	12	12	5	99	489	22716	80,84	100
chr1	120277179	120277459	PHGDH	NM_006623	12	12	6	133	1256	57491	204,59	100
chr1	120277831	120278016	PHGDH	NM_006623	12	12	7	149	492	19901	106,99	66,4
chr1	120279757	120279957	PHGDH	NM_006623	12	12	8	153	100	4308	21,43	86,9
chr1	120282944	120283144	PHGDH	NM_006623	12	12	9	133	331	14300	71,14	100
chr1	120284339	120284509	PHGDH	NM_006623	12	12	10	131	517	22688	132,68	91,6
chr1	120285471	120285739	PHGDH	NM_006623	12	12	11	238	679	31778	118,13	82,8
chr1	120286543	120286752	PHGDH	NM_006623	12	12	12	155	885	39212	186,72	78,1
chr1	145516238	145516456	PEX11B	NM_003846	4	4	1	56	107	4607	21,04	100
chr1	145517293	145517493	PEX11B	NM_003846	4	4	2	116	1523	63603	316,43	82,8
chr1	145517996	145518202	PEX11B	NM_003846	4	4	3	202	1202	51830	250,39	65,3
chr1	145522449	145523040	PEX11B	NM_003846	4	4	4	406	3190	151973	256,71	100
chr1	153782504	153782772	GATAD2B	NM_020699	11	10	11	134	454	19490	72,45	89,6
chr1	153784256	153784693	GATAD2B	NM_020699	11	10	10,9	118.111	895	43066	98,32	58,5,100.0
chr1	153785774	153786001	GATAD2B	NM_020699	11	10	8	203	491	20257	88,85	76,4
chr1	153788717	153789095	GATAD2B	NM_020699	11	10	7	316	815	37422	98,74	100
chr1	153789757	153789972	GATAD2B	NM_020699	11	10	6	171	823	36630	169,58	73,1
chr1	153790556	153790738	GATAD2B	NM_020699	11	10	5	132	401	17042	93,13	69,7
chr1	153791202	153791396	GATAD2B	NM_020699	11	10	4	132	1451	63570	326	98,5
chr1	153792064	153792270	GATAD2B	NM_020699	11	10	3	130	87	3772	18,22	100
chr1	153800496	153800874	GATAD2B	NM_020699	11	10	2	335	2676	123370	325,51	97,9
chr1	154245820	154246491	HAX1	NM_006118	7	7	2,3	263.188	1542	73346	109,15	97.0,100.0
chr1	154247496	154248250	HAX1	NM_006118	7	7	5,6,7	107,91,86	3652	173149	229,34	100.0,100.0,100.0
chr1	154557189	154557875	ADAR	NM_001111	15	15	15,14	238.128	3205	156788	228,22	100.0,100.0
chr1	154558259	154558438	ADAR	NM_001111	15	15	13	113	56	2303	12,79	73,5
chr1	154558584	154558772	ADAR	NM_001111	15	15	12	183	560	22777	120,51	63,4
chr1	154560624	154560836	ADAR	NM_001111	15	15	11	134	193	7773	36,49	82,8
chr1	154561008	154561220	ADAR	NM_001111	15	15	10	123	547	24154	113,4	100
chr1	154561860	154562051	ADAR	NM_001111	15	15	9	94	126	5351	27,87	84
chr1	154562182	154562379	ADAR	NM_001111	15	15	8	172	738	30967	156,4	85,5
chr1	154562695	154562987	ADAR	NM_001111	15	15	7	226	1205	52917	180,6	84,5
chr1	154569314	154569846	ADAR	NM_001111	15	15	6,5	191.145	2416	109645	205,71	82.7,100.0
chr1	154570298	154570519	ADAR	NM_001111	15	15	4	149	142	6599	29,73	100
chr1	154570869	154571078	ADAR	NM_001111	15	15	3	184	1137	49263	234,59	100
chr1	154573441	154575084	ADAR	NM_001111	15	15	2	1586	5715	272969	166,04	98,9
chr1	156830703	156830986	NTRK1	NM_002529	17	17	1	212	6	255	0,9	100
chr1	156834010	156834231	NTRK1	NM_002529	17	17	2	75	414	17494	78,8	100
chr1	156834473	156834682	NTRK1	NM_002529	17	17	3	72	161	7183	34,2	100
chr1	156836701	156836904	NTRK1	NM_002529	17	17	4	69	782	34859	170,88	100
chr1	156837826	156838038	NTRK1	NM_002529	17	17	5	146	457	19012	89,26	97,9
chr1	156838333	156838542	NTRK1	NM_002529	17	17	6	143	67	2890	13,76	74,8
chr1	156841317	156841508	NTRK1	NM_002529	17	17	7	133	416	17583	91,58	70,7
chr1	156843455	156843824	NTRK1	NM_002529	17	17	8	327	156	6822	18,44	90,8
chr1	156844216	156844511	NTRK1	NM_002529	17	17	10	56	431	20271	68,48	100
chr1	156844678	156844875	NTRK1	NM_002529	17	17	11	103	1381	59809	302,07	100
chr1	156845266	156845454	NTRK1	NM_002529	17	17	12	147	134	5402	28,58	97,3
chr1	156845866	156846066	NTRK1	NM_002529	17	17	13	131	123	5010	24,93	100

chr1	156846159	156846341	NTRK1	NM_002529	17	17	14	173	334	14152	77,33	86,7
chr1	156848959	156849218	NTRK1	NM_002529	17	17	15	241	650	28313	108,9	81,3
chr1	156849697	156849921	NTRK1	NM_002529	17	17	16	159	170	6944	30,86	82,4
chr1	156851296	156851475	NTRK1	NM_002529	17	17	17	186	83	3363	18,68	74,7
chr1	160090745	160091123	ATP1A2	NM_000702	23	23	2,3	105,60	2116	100440	265,01	53,3,100.0
chr1	160092932	160093129	ATP1A2	NM_000702	23	23	4	204	483	20064	101,33	62,3
chr1	160093716	160093931	ATP1A2	NM_000702	23	23	5	114	518	22099	102,31	100
chr1	160094112	160094315	ATP1A2	NM_000702	23	23	6	135	250	11050	54,17	80,7
chr1	160094929	160095129	ATP1A2	NM_000702	23	23	7	118	301	13147	65,41	97,5
chr1	160097260	160097555	ATP1A2	NM_000702	23	23	8	269	716	32805	110,83	79,6
chr1	160098173	160099146	ATP1A2	NM_000702	23	23	9,10,11	199.110.135	2141	102085	104,81	100.0,100.0,67.4
chr1	160099843	160100354	ATP1A2	NM_000702	23	23	12,13	190.176	1565	73549	143,65	100.0,81.2
chr1	160104184	160104369	ATP1A2	NM_000702	23	23	14	137	179	7011	37,69	70,1
chr1	160104858	160105268	ATP1A2	NM_000702	23	23	15,16	151.169	734	34985	85,12	100.0,26.6
chr1	160105680	160105853	ATP1A2	NM_000702	23	23	17	155	330	13562	77,94	67,1
chr1	160105923	160106138	ATP1A2	NM_000702	23	23	18	124	615	27532	127,46	82,3
chr1	160106383	160106589	ATP1A2	NM_000702	23	23	19	146	431	17114	82,68	84,2
chr1	160106620	160106826	ATP1A2	NM_000702	23	23	20	131	659	29155	140,85	100
chr1	160109424	160109778	ATP1A2	NM_000702	23	23	21,22	102,92	1239	57626	162,33	100.0,100.0
chr1	161136619	161137281	PPOX	NM_000309	13	12	2,3,4	87.135.116	1374	66529	100,35	100.0,100.0,100.0
chr1	161137807	161138025	PPOX	NM_000309	13	12	5	133	272	11308	51,63	83,5
chr1	161138118	161138345	PPOX	NM_000309	13	12	6	145	764	33582	147,29	85,5
chr1	161138834	161139037	PPOX	NM_000309	13	12	7	191	414	17520	85,88	73,3
chr1	161139328	161139522	PPOX	NM_000309	13	12	8	61	712	30241	155,08	100
chr1	161139612	161139824	PPOX	NM_000309	13	12	9	119	392	16733	78,56	100
chr1	161140209	161141049	PPOX	NM_000309	13	12	10,11,12,13	111,150,43,143	2548	121245	144,17	91.0,100.0,100.0,100.0
chr1	161172018	161172209	NDUFS2	NM_004550	15	14	2	95	284	12262	63,86	35,8
chr1	161173107	161173316	NDUFS2	NM_004550	15	14	3	107	198	9051	43,1	84,1
chr1	161176125	161176331	NDUFS2	NM_004550	15	14	4	191	234	10297	49,74	70,7
chr1	161179008	161179472	NDUFS2	NM_004550	15	14	5,6	121.113	4421	213839	459,87	79.3,100.0
chr1	161179694	161180199	NDUFS2	NM_004550	15	14	7,8,9	75,78,86	1971	95012	187,77	37.3,100.0,100.0
chr1	161180410	161180607	NDUFS2	NM_004550	15	14	10	120	2456	102456	517,45	75,8
chr1	161182090	161182296	NDUFS2	NM_004550	15	14	11	130	314	13961	67,44	100
chr1	161183134	161183740	NDUFS2	NM_004550	15	14	12,13,14	96,84,58	1499	68418	112,71	100.0,100.0,100.0
chr1	165697101	165697283	TMCO1	NM_019026	7	7	7	99	736	31177	170,37	24,2
chr1	165712375	165712569	TMCO1	NM_019026	7	7	6	145	203	8595	44,08	100
chr1	165721257	165721430	TMCO1	NM_019026	7	7	5	68	174	7599	43,67	100
chr1	165723351	165723566	TMCO1	NM_019026	7	7	4	47	208	9093	42,1	100
chr1	165728751	165728966	TMCO1	NM_019026	7	7	3	60	116	4589	21,25	100
chr1	165737382	165737567	TMCO1	NM_019026	7	7	2	78	323	13474	72,44	100
chr1	165737787	165738061	TMCO1	NM_019026	7	7	1	223	201	8782	31,93	64,1
chr1	173794238	173794524	DARS2	NM_018122	17	17	1	127	1634	73401	255,75	100
chr1	173795804	173796019	DARS2	NM_018122	17	17	2	100	201	8807	40,77	100
chr1	173797412	173797597	DARS2	NM_018122	17	17	3	67	296	12910	69,41	100
chr1	173799724	173799930	DARS2	NM_018122	17	17	4	102	474	20906	101	100
chr1	173800623	173800829	DARS2	NM_018122	17	17	5	96	339	14363	69,39	100
chr1	173802490	173802708	DARS2	NM_018122	17	17	6	124	263	11947	54,55	100
chr1	173803542	173803718	DARS2	NM_018122	17	17	7	47	139	6455	36,47	100
chr1	173806036	173806233	DARS2	NM_018122	17	17	8	107	420	17533	88,55	100
chr1	173807265	173807453	DARS2	NM_018122	17	17	9	70	225	9743	51,55	100
chr1	173808479	173808703	DARS2	NM_018122	17	17	10	180	286	12700	56,44	100
chr1	173809990	173810178	DARS2	NM_018122	17	17	11	108	328	14281	75,56	100
chr1	173814222	173814437	DARS2	NM_018122	17	17	12	63	83	3695	17,11	100
chr1	173819503	173819694	DARS2	NM_018122	17	17	13	153	109	4317	22,48	75,2
chr1	173822500	173822801	DARS2	NM_018122	17	17	14	219	1337	61900	204,97	94,1
chr1	173822902	173823087	DARS2	NM_018122	17	17	15	111	337	15137	81,38	100
chr1	173825735	173825953	DARS2	NM_018122	17	17	16	76	437	18758	85,65	100

chr1	173826610	173826958	DARS2	NM_018122	17	17	17	188	1530	72351	207,31	100
chr1	197053290	197053659	ASPM	NM_018136	28	28	28	103	880	39193	105,93	100
chr1	197055887	197056099	ASPM	NM_018136	28	28	27	170	138	5614	26,36	98,2
chr1	197057309	197057577	ASPM	NM_018136	28	28	26	177	318	14453	53,73	100
chr1	197059004	197059512	ASPM	NM_018136	28	28	25,24	155,193	1820	84637	166,28	100,0,96.9
chr1	197059960	197060139	ASPM	NM_018136	28	28	23	192	400	17034	94,63	83,3
chr1	197061026	197061196	ASPM	NM_018136	28	28	22	150	578	23498	137,42	100
chr1	197062195	197062398	ASPM	NM_018136	28	28	21	210	92	3712	18,2	93,8
chr1	197063176	197063346	ASPM	NM_018136	28	28	20	97	89	3200	18,71	100
chr1	197065125	197065295	ASPM	NM_018136	28	28	19	167	510	20945	122,49	100
chr1	197069572	197074308	ASPM	NM_018136	28	28	18	4755	11187	546876	115,45	99,6
chr1	197086912	197087115	ASPM	NM_018136	28	28	17	195	271	11420	55,98	100
chr1	197091098	197091772	ASPM	NM_018136	28	28	16,15,14	129,143,208	796	38693	57,32	58,9,100,0,100,0
chr1	197093210	197093475	ASPM	NM_018136	28	28	13	222	428	20205	75,96	100
chr1	197094010	197094370	ASPM	NM_018136	28	28	12,11	86,146	1169	56053	155,27	88,4,100,0
chr1	197097604	197097807	ASPM	NM_018136	28	28	10	176	159	6594	32,32	100
chr1	197098251	197098445	ASPM	NM_018136	28	28	9	131	44	1895	9,72	98,5
chr1	197098982	197099191	ASPM	NM_018136	28	28	8	142	382	16699	79,52	100
chr1	197101390	197101569	ASPM	NM_018136	28	28	7	68	735	31689	176,05	100
chr1	197102477	197102733	ASPM	NM_018136	28	28	6	246	173	7767	30,22	100
chr1	197104240	197104413	ASPM	NM_018136	28	28	5	147	336	12903	74,16	90,5
chr1	197108824	197109009	ASPM	NM_018136	28	28	4	105	308	13430	72,2	100
chr1	197111406	197113215	ASPM	NM_018136	28	28	3,2	1.480,144	4076	196985	108,83	100,0,89,6
chr1	197115321	197115678	ASPM	NM_018136	28	28	1	297	195	8842	24,7	83,2
chr1	210111520	210111726	SYT14	NM_001146261	10	10	1	27	23	1084	5,24	100
chr1	210126052	210126231	SYT14	NM_001146261	10	10	2	48	83	3897	21,65	100
chr1	210139122	210139242	SYT14	NM_001146261	10	10	3	121	10	197	1,63	4,1
chr1	210187034	210187234	SYT14	NM_001146261	10	10	4	165	130	5643	28,07	66,1
chr1	210194351	210194619	SYT14	NM_001146261	10	10	5	216	744	33017	122,74	100
chr1	210267725	210268011	SYT14	NM_001146261	10	10	6	272	397	18257	63,61	78,7
chr1	210273340	210273786	SYT14	NM_001146261	10	10	7	450	834	39514	88,4	95,6
chr1	210329114	210329335	SYT14	NM_001146261	10	10	8	190	446	19625	88,4	74,7
chr1	210332678	210332902	SYT14	NM_001146261	10	10	9	57	1006	45878	203,9	100
chr1	210334142	210334478	SYT14	NM_001146261	10	10	10	314	878	38948	115,57	78,3
chr1	220324537	220325036	RAB3GAP2	NM_012414	35	35	35,34	156,159	1265	58132	116,26	100,0,56,0
chr1	220326491	220326792	RAB3GAP2	NM_012414	35	35	33	222	592	28928	95,79	100
chr1	220327239	220327454	RAB3GAP2	NM_012414	35	35	32	90	289	11824	54,74	100
chr1	220330607	220330899	RAB3GAP2	NM_012414	35	35	31	219	1463	65422	223,28	100
chr1	220331098	220331304	RAB3GAP2	NM_012414	35	35	30	75	227	9828	47,48	100
chr1	220332615	220332800	RAB3GAP2	NM_012414	35	35	29	36	249	10143	54,53	100
chr1	220335513	220335689	RAB3GAP2	NM_012414	35	35	28	71	283	12194	68,89	100
chr1	220338022	220338219	RAB3GAP2	NM_012414	35	35	27	67	21	844	4,26	100
chr1	220340671	220341102	RAB3GAP2	NM_012414	35	35	26,25	107,174	1511	71948	166,55	66,4,100,0
chr1	220344195	220344490	RAB3GAP2	NM_012414	35	35	24	229	635	28579	96,55	100
chr1	220345153	220345338	RAB3GAP2	NM_012414	35	35	23	161	594	24179	129,99	67,1
chr1	220345877	220346068	RAB3GAP2	NM_012414	35	35	22	106	416	17094	89,03	84,9
chr1	220355505	220355729	RAB3GAP2	NM_012414	35	35	21	94	184	7617	33,85	100
chr1	220356052	220356335	RAB3GAP2	NM_012414	35	35	20	218	538	25132	88,49	100
chr1	220357356	220357529	RAB3GAP2	NM_012414	35	35	19	128	136	5573	32,03	100
chr1	220358946	220359128	RAB3GAP2	NM_012414	35	35	18	91	544	23373	127,72	100
chr1	220362910	220363110	RAB3GAP2	NM_012414	35	35	17	65	33	1174	5,84	100
chr1	220363358	220363531	RAB3GAP2	NM_012414	35	35	16	83	670	28820	165,63	100
chr1	220363615	220363845	RAB3GAP2	NM_012414	35	35	15	144	261	11063	47,89	88,2
chr1	220364335	220364612	RAB3GAP2	NM_012414	35	35	14	217	334	15126	54,41	93,5
chr1	220366566	220366751	RAB3GAP2	NM_012414	35	35	13	140	309	12379	66,55	100
chr1	220368320	220368698	RAB3GAP2	NM_012414	35	35	12,11	90,80	462	21210	55,96	100,0,73,8
chr1	220369544	220369735	RAB3GAP2	NM_012414	35	35	10	149	459	20552	107,04	96,6

chr1	220375605	220375793	RAB3GAP2	NM_012414	35	35	9	99	128	5590	29,58	100
chr1	220379180	220379353	RAB3GAP2	NM_012414	35	35	8	100	175	8337	47,91	100
chr1	220383625	220383804	RAB3GAP2	NM_012414	35	35	7	102	443	17797	98,87	73,5
chr1	220384068	220384268	RAB3GAP2	NM_012414	35	35	6	76	566	24507	121,93	100
chr1	220386154	220386336	RAB3GAP2	NM_012414	35	35	4	82	600	26074	142,48	100
chr1	220387186	220387395	RAB3GAP2	NM_012414	35	35	3	124	118	5147	24,51	100
chr1	220406054	220406248	RAB3GAP2	NM_012414	35	35	2	65	1085	47858	245,43	100
chr1	220445593	220445814	RAB3GAP2	NM_012414	35	35	1	115	75	3076	13,86	75,7
chr1	227149005	227149199	ADCK3	NM_020247	15	14	2	177	129	5550	28,46	63,8
chr1	227152619	227153065	ADCK3	NM_020247	15	14	3	411	860	39228	87,76	88,8
chr1	227153238	227153453	ADCK3	NM_020247	15	14	4	67	197	8222	38,06	100
chr1	227165011	227165226	ADCK3	NM_020247	15	14	5	75	16	727	3,37	100
chr1	227169628	227169843	ADCK3	NM_020247	15	14	6	123	225	9180	42,5	94,3
chr1	227170331	227170679	ADCK3	NM_020247	15	14	7,8	86.141	488	22672	64,96	100.0,60.3
chr1	227171208	227171559	ADCK3	NM_020247	15	14	9,10	82,94	461	22293	63,33	100.0,100.0
chr1	227171822	227172025	ADCK3	NM_020247	15	14	11	142	292	11651	57,11	81
chr1	227172184	227172360	ADCK3	NM_020247	15	14	12	108	679	27305	154,27	100
chr1	227172521	227172703	ADCK3	NM_020247	15	14	13	66	432	19622	107,22	100
chr1	227172933	227173118	ADCK3	NM_020247	15	14	14	87	197	8080	43,44	100
chr1	227174212	227174498	ADCK3	NM_020247	15	14	15	285	485	22708	79,12	79,6
chr1	228345480	228346877	GJC2	NM_020435	2	1	2	1320	559	25955	18,57	98,5
chr1	231376705	231377157	GNPAT	NM_014236	16	16	1	78	629	28076	61,98	42,3
chr1	231386748	231386942	GNPAT	NM_014236	16	16	2	183	188	7612	39,04	77,6
chr1	231396180	231396365	GNPAT	NM_014236	16	16	3	177	155	7180	38,6	63,8
chr1	231398394	231398609	GNPAT	NM_014236	16	16	4	130	698	30583	141,59	100
chr1	231400987	231401202	GNPAT	NM_014236	16	16	5	128	338	14648	67,81	100
chr1	231401404	231401595	GNPAT	NM_014236	16	16	6	76	333	14393	74,96	100
chr1	231401805	231402245	GNPAT	NM_014236	16	16	7,8	152.131	1173	54767	124,19	70.4,100.0
chr1	231403472	231403743	GNPAT	NM_014236	16	16	9	224	880	39369	144,74	79,5
chr1	231406472	231406779	GNPAT	NM_014236	16	16	10	243	1748	81564	264,82	100
chr1	231408018	231408227	GNPAT	NM_014236	16	16	11	80	123	5366	25,55	100
chr1	231409703	231409900	GNPAT	NM_014236	16	16	12	141	293	12432	62,79	75,2
chr1	231410905	231411170	GNPAT	NM_014236	16	16	13,14	100,94	1071	43321	162,86	100.0,21.3
chr1	231411736	231411951	GNPAT	NM_014236	16	16	15	62	244	10407	48,18	100
chr1	231413172	231413443	GNPAT	NM_014236	16	16	16	44	247	11572	42,54	100
chr1	235543281	235543457	TBCE	NM_003193	17	16	2	100	368	17807	100,6	93
chr1	235564726	235564944	TBCE	NM_003193	17	16	3	85	308	14075	64,27	100
chr1	235577683	235577871	TBCE	NM_003193	17	16	4	186	367	14974	79,23	66,7
chr1	235582716	235582925	TBCE	NM_003193	17	16	5	89	271	10610	50,52	100
chr1	235590440	235590622	TBCE	NM_003193	17	16	6	100	825	32521	177,71	100
chr1	235593984	235594157	TBCE	NM_003193	17	16	7	100	118	5399	31,03	100
chr1	235597531	235597707	TBCE	NM_003193	17	16	8	77	175	7086	40,03	84,4
chr1	235599046	235599237	TBCE	NM_003193	17	16	9	96	1003	40310	209,95	100
chr1	235599683	235599936	TBCE	NM_003193	17	16	10,11	65,65	1356	63153	248,63	100.0,100.0
chr1	235600552	235600749	TBCE	NM_003193	17	16	12	153	564	25257	127,56	73,9
chr1	235602024	235602230	TBCE	NM_003193	17	16	13	154	660	27935	134,95	95,5
chr1	235605002	235605202	TBCE	NM_003193	17	16	14	69	130	5334	26,54	100
chr1	235606150	235606356	TBCE	NM_003193	17	16	15	60	545	23092	111,56	100
chr1	235611555	235611734	TBCE	NM_003193	17	16	16	92	596	26402	146,68	77,2
chr1	235611985	235612247	TBCE	NM_003193	17	16	17	93	498	21960	83,5	100
chr1	236958574	236959011	MTR	NM_000254	33	33	1	34	450	18680	42,65	23,5
chr1	236966809	236966994	MTR	NM_000254	33	33	2	215	164	7031	37,8	62,3
chr1	236969388	236969585	MTR	NM_000254	33	33	3	90	277	12437	62,81	100
chr1	236972013	236972204	MTR	NM_000254	33	33	4	70	462	19092	99,44	87,1
chr1	236973736	236973960	MTR	NM_000254	33	33	5	93	464	20221	89,87	100
chr1	236976020	236976220	MTR	NM_000254	33	33	6	107	206	9324	46,39	100
chr1	236978800	236978997	MTR	NM_000254	33	33	7	60	657	26571	134,2	100

chr1	236979695	236979880	MTR	NM_000254	33	33	8	95	246	10701	57,53	100
chr1	236987425	236987631	MTR	NM_000254	33	33	9	101	200	8684	41,95	94,1
chr1	236988583	236988771	MTR	NM_000254	33	33	10	62	197	8437	44,64	100
chr1	236990062	236990247	MTR	NM_000254	33	33	11	68	924	39882	214,42	100
chr1	236992452	236992667	MTR	NM_000254	33	33	12	80	663	28329	131,15	100
chr1	236995197	236995394	MTR	NM_000254	33	33	13	113	451	18864	95,27	100
chr1	236998891	236999076	MTR	NM_000254	33	33	14	141	205	8439	45,37	68,8
chr1	237001646	237001858	MTR	NM_000254	33	33	15	186	549	24209	113,66	78
chr1	237013678	237013857	MTR	NM_000254	33	33	16	180	780	33498	186,1	81,1
chr1	237015763	237015957	MTR	NM_000254	33	33	17	117	317	13287	68,14	100
chr1	237016157	237016348	MTR	NM_000254	33	33	18	141	380	16079	83,74	71,6
chr1	237023059	237023232	MTR	NM_000254	33	33	19	90	155	6491	37,3	100
chr1	237024445	237024627	MTR	NM_000254	33	33	20	153	427	17689	96,66	86,9
chr1	237025423	237025623	MTR	NM_000254	33	33	21	108	244	10732	53,39	81,5
chr1	237026778	237026960	MTR	NM_000254	33	33	22	101	691	27882	152,36	76,2
chr1	237037021	237037194	MTR	NM_000254	33	33	23	68	332	12896	74,11	100
chr1	237038018	237038221	MTR	NM_000254	33	33	24	121	130	5824	28,55	100
chr1	237043947	237044120	MTR	NM_000254	33	33	25	82	357	16079	92,41	80,5
chr1	237048327	237048536	MTR	NM_000254	33	33	26	99	152	6755	32,17	100
chr1	237049502	237049687	MTR	NM_000254	33	33	27	76	99	4403	23,67	100
chr1	237052509	237052733	MTR	NM_000254	33	33	28	156	656	29744	132,2	82,1
chr1	237054370	237054570	MTR	NM_000254	33	33	29	197	586	25314	125,94	70,1
chr1	237057632	237057832	MTR	NM_000254	33	33	30	201	807	33323	165,79	87,6
chr1	237058716	237058928	MTR	NM_000254	33	33	31	193	148	6445	30,26	69,9
chr1	237060306	237060476	MTR	NM_000254	33	33	32	113	378	15863	92,77	100
chr1	237060845	237061060	MTR	NM_000254	33	33	33	87	257	9483	43,9	100
chr1	241660995	241661192	FH	NM_000143	10	10	10	143	104	4369	22,07	45,5
chr1	241663638	241663838	FH	NM_000143	10	10	9	154	513	19869	98,85	66,2
chr1	241665760	241665957	FH	NM_000143	10	10	8	128	156	6622	33,44	86,7
chr1	241667268	241667468	FH	NM_000143	10	10	7	204	395	17941	89,26	62,3
chr1	241669264	241669452	FH	NM_000143	10	10	6	166	571	24135	127,7	90,4
chr1	241671881	241672090	FH	NM_000143	10	10	5	183	165	6413	30,54	100
chr1	241675212	241675418	FH	NM_000143	10	10	4	177	853	37534	181,32	85,9
chr1	241676836	241677030	FH	NM_000143	10	10	3	111	555	23681	121,44	100
chr1	241680412	241680630	FH	NM_000143	10	10	2	135	354	15781	72,06	100
chr1	241682934	241683137	FH	NM_000143	10	10	1	132	40	1411	6,92	67,4
chr1	243662976	243663232	AKT3	NM_181690	14	13	13	44	687	32368	125,95	100
chr1	243675606	243675809	AKT3	NM_181690	14	13	12	103	10	469	2,3	100
chr1	243708764	243708955	AKT3	NM_181690	14	13	11	88	278	12929	67,34	100
chr1	243716100	243716285	AKT3	NM_181690	14	13	10	215	580	25161	135,27	67,9
chr1	243726949	243727164	AKT3	NM_181690	14	13	9	129	180	7566	35,03	100
chr1	243736203	243736433	AKT3	NM_181690	14	13	8	123	214	9455	40,93	100
chr1	243776861	243777046	AKT3	NM_181690	14	13	7	69	624	26530	142,63	100
chr1	243778366	243778560	AKT3	NM_181690	14	13	6	66	134	5617	28,81	100
chr1	243800848	243801048	AKT3	NM_181690	14	13	5	132	358	16338	81,28	100
chr1	243809187	243809381	AKT3	NM_181690	14	13	4	145	139	5736	29,42	100
chr1	243828011	243828190	AKT3	NM_181690	14	13	3	112	534	23206	128,92	100
chr1	243858885	243859079	AKT3	NM_181690	14	13	2	126	356	15051	77,18	100
chr1	244006332	244006541	AKT3	NM_181690	14	13	1	46	1616	69394	330,45	100
chr1	247582071	247582360	NLRP3	NM_001079821	11	9	3	283	337	15140	52,21	93,3
chr1	247586458	247586655	NLRP3	NM_001079821	11	9	4	120	301	12909	65,2	100
chr1	247587095	247588910	NLRP3	NM_001079821	11	9	5	1753	5328	256739	141,38	100
chr1	247592829	247593047	NLRP3	NM_001079821	11	9	6	171	607	27378	125,01	94,2
chr1	247597425	247597607	NLRP3	NM_001079821	11	9	7	171	496	21664	118,38	88,3
chr1	247599292	247599498	NLRP3	NM_001079821	11	9	8	171	241	10325	49,88	88,3
chr1	247607264	247607473	NLRP3	NM_001079821	11	9	9	171	1200	51124	243,45	100
chr1	247607865	247608062	NLRP3	NM_001079821	11	9	10	171	330	13895	70,18	64,3

chr1	247611605	247611885	NLRP3	NM_001079821	11	9	11	100	278	13081	46,55	100
chr2	3651171	3651350	COLEC11	NM_001255985	8	7	2	16	240	10540	58,56	100
chr2	3651862	3652059	COLEC11	NM_001255985	8	7	3	156	520	23476	118,57	99,4
chr2	3660806	3660991	COLEC11	NM_001255985	8	7	4	72	133	6271	33,72	100
chr2	3685103	3685309	COLEC11	NM_001255985	8	7	5	72	547	23286	112,49	100
chr2	3687773	3687964	COLEC11	NM_001255985	8	7	6	54	88	3642	18,97	100
chr2	3690936	3691139	COLEC11	NM_001255985	8	7	7	96	188	8390	41,13	100
chr2	3691346	3691789	COLEC11	NM_001255985	8	7	8	392	471	22428	50,51	92,6
chr2	16080626	16080835	MYCN	NM_005378	3	2	1	183	47	2183	10,4	83,6
chr2	16082108	16083022	MYCN	NM_005378	3	2	2	790	711	33682	36,81	100
chr2	16085575	16086276	MYCN	NM_005378	3	2	3	605	1831	87401	124,5	100
chr2	39212854	39213469	SOS1	NM_005633	23	23	23	492	563	26970	43,78	100
chr2	39214557	39214775	SOS1	NM_005633	23	23	22	119	77	3351	15,3	100
chr2	39216278	39216469	SOS1	NM_005633	23	23	21	45	498	22370	116,51	100
chr2	39222210	39222466	SOS1	NM_005633	23	23	20	265	336	15293	59,51	76,6
chr2	39223987	39224181	SOS1	NM_005633	23	23	19	117	576	24303	124,63	100
chr2	39224358	39224543	SOS1	NM_005633	23	23	18	173	387	16995	91,37	86,7
chr2	39233559	39233768	SOS1	NM_005633	23	23	17	118	84	3722	17,72	94,9
chr2	39234128	39234310	SOS1	NM_005633	23	23	16	163	653	27326	149,32	85,3
chr2	39237663	39237845	SOS1	NM_005633	23	23	15	120	248	11081	60,55	100
chr2	39239240	39239502	SOS1	NM_005633	23	23	14	223	600	27738	105,47	100
chr2	39240567	39240743	SOS1	NM_005633	23	23	13	104	332	13485	76,19	100
chr2	39240908	39241111	SOS1	NM_005633	23	23	12	123	273	11966	58,66	84,6
chr2	39241831	39242016	SOS1	NM_005633	23	23	11	82	94	3616	19,44	100
chr2	39249643	39250385	SOS1	NM_005633	23	23	10	656	1995	93256	125,51	100
chr2	39251054	39251263	SOS1	NM_005633	23	23	9	128	75	2813	13,4	88,3
chr2	39262371	39262663	SOS1	NM_005633	23	23	8,7	99.111	175	8106	27,67	81.8,100.0
chr2	39278235	39278411	SOS1	NM_005633	23	23	6	144	132	5553	31,37	88,2
chr2	39281789	39281980	SOS1	NM_005633	23	23	5	210	157	6472	33,71	83,8
chr2	39283821	39284012	SOS1	NM_005633	23	23	4	165	668	30153	157,05	100
chr2	39285776	39285973	SOS1	NM_005633	23	23	3	132	115	4938	24,94	100
chr2	39294683	39294886	SOS1	NM_005633	23	23	2	126	286	12443	61	93,7
chr2	39347422	39347592	SOS1	NM_005633	23	23	1	87	10	352	2,06	100
chr2	44115558	44115776	LRPPRC	NM_133259	38	38	38	57	404	17302	79	66,7
chr2	44116807	44117010	LRPPRC	NM_133259	38	38	37	143	196	8400	41,18	96,5
chr2	44121661	44121849	LRPPRC	NM_133259	38	38	36	85	168	7610	40,26	100
chr2	44123658	44123849	LRPPRC	NM_133259	38	38	35	75	681	29194	152,05	100
chr2	44126294	44126734	LRPPRC	NM_133259	38	38	34,33	116.140	1105	51988	117,89	100.0,92.9
chr2	44128400	44128600	LRPPRC	NM_133259	38	38	32	205	380	15758	78,4	69,3
chr2	44132702	44132899	LRPPRC	NM_133259	38	38	31	89	647	28370	143,28	77,5
chr2	44139578	44139748	LRPPRC	NM_133259	38	38	30	127	143	6100	35,67	94,5
chr2	44145155	44145512	LRPPRC	NM_133259	38	38	29,28	109.143	1010	45929	128,29	100.0,82.5
chr2	44152090	44152275	LRPPRC	NM_133259	38	38	27	91	872	37563	201,95	76,9
chr2	44152959	44153162	LRPPRC	NM_133259	38	38	26	69	536	24309	119,16	100
chr2	44161293	44161484	LRPPRC	NM_133259	38	38	25	107	221	9730	50,68	100
chr2	44161797	44162006	LRPPRC	NM_133259	38	38	24	125	210	8829	42,04	91,2
chr2	44170814	44171005	LRPPRC	NM_133259	38	38	23	208	694	28714	149,55	86,5
chr2	44172380	44172592	LRPPRC	NM_133259	38	38	22	86	818	37662	176,82	100
chr2	44173165	44173341	LRPPRC	NM_133259	38	38	21	131	872	37280	210,62	68,7
chr2	44174394	44174582	LRPPRC	NM_133259	38	38	20	114	65	2930	15,5	100
chr2	44174722	44174919	LRPPRC	NM_133259	38	38	19	45	43	2010	10,15	100
chr2	44175259	44175462	LRPPRC	NM_133259	38	38	18	78	237	8917	43,71	100
chr2	44175476	44175685	LRPPRC	NM_133259	38	38	17	107	581	24761	117,91	100
chr2	44176678	44176869	LRPPRC	NM_133259	38	38	16	58	652	28333	147,57	100
chr2	44177640	44177822	LRPPRC	NM_133259	38	38	15	28	159	6999	38,25	100
chr2	44184441	44184626	LRPPRC	NM_133259	38	38	14	67	384	16035	86,21	100
chr2	44187596	44187811	LRPPRC	NM_133259	38	38	13	94	741	31625	146,41	100

chr2	44190652	44190837	LRPPRC	NM_133259	38	38	12	119	392	17070	91,77	93,3
chr2	44200719	44201014	LRPPRC	NM_133259	38	38	11,10	108.106	1002	45487	153,67	100.0,76.4
chr2	44201240	44201437	LRPPRC	NM_133259	38	38	9	146	490	21378	107,97	100
chr2	44201766	44201942	LRPPRC	NM_133259	38	38	8	145	420	17544	99,12	91
chr2	44202192	44202398	LRPPRC	NM_133259	38	38	7	127	358	15108	72,99	100
chr2	44203182	44203409	LRPPRC	NM_133259	38	38	6	87	509	22656	99,37	100
chr2	44204091	44204374	LRPPRC	NM_133259	38	38	5,4	59.122	228	9540	33,59	100.0,66.4
chr2	44206952	44207149	LRPPRC	NM_133259	38	38	3	123	353	15259	77,07	100
chr2	44209326	44209520	LRPPRC	NM_133259	38	38	2	197	192	8557	43,88	73,1
chr2	44222957	44223160	LRPPRC	NM_133259	38	38	1	149	2	93	0,46	87,2
chr2	45169178	45170098	SIX3	NM_005413	2	2	1	806	1963	88839	96,46	100
chr2	45171752	45171928	SIX3	NM_005413	2	2	2	193	191	7301	41,25	76,7
chr2	50148987	50149356	NRXN1	NM_001135659	24	23	24	308	516	23628	63,86	89,3
chr2	50170770	50171000	NRXN1	NM_001135659	24	23	23	88	105	4510	19,52	100
chr2	50280355	50280715	NRXN1	NM_001135659	24	23	22	320	2656	122174	338,43	95,9
chr2	50282066	50282272	NRXN1	NM_001135659	24	23	21	90	129	5560	26,86	100
chr2	50318509	50318697	NRXN1	NM_001135659	24	23	20	172	1253	55541	293,87	72,1
chr2	50463977	50464174	NRXN1	NM_001135659	24	23	19	182	288	12278	62,01	72,5
chr2	50692475	50692678	NRXN1	NM_001135659	24	23	18	120	1144	48482	237,66	82,5
chr2	50699394	50699603	NRXN1	NM_001135659	24	23	17	174	388	17366	82,7	96,6
chr2	50723070	50723261	NRXN1	NM_001135659	24	23	16	191	322	14315	74,56	85,9
chr2	50724446	50724883	NRXN1	NM_001135659	24	23	15	382	1141	54697	124,88	100
chr2	50733557	50733766	NRXN1	NM_001135659	24	23	14	123	870	37630	179,19	100
chr2	50755750	50755941	NRXN1	NM_001135659	24	23	13	27	320	13271	69,12	100
chr2	50758422	50758625	NRXN1	NM_001135659	24	23	12	204	479	20961	102,75	72,1
chr2	50765331	50765786	NRXN1	NM_001135659	24	23	11	384	2127	99676	218,59	100
chr2	50779792	50780214	NRXN1	NM_001135659	24	23	10	439	1160	53585	126,68	84,7
chr2	50847079	50847273	NRXN1	NM_001135659	24	23	9	162	301	13210	67,74	70,4
chr2	50848336	50848518	NRXN1	NM_001135659	24	23	8	45	49	1925	10,52	100
chr2	50850380	50850749	NRXN1	NM_001135659	24	23	7	304	1798	83674	226,15	98
chr2	50858172	50858366	NRXN1	NM_001135659	24	23	6	7	160	6376	32,7	100
chr2	51149675	51149863	NRXN1	NM_001135659	24	23	5	33	418	18980	100,42	100
chr2	51152998	51153171	NRXN1	NM_001135659	24	23	4	18	329	14334	82,38	100
chr2	51253397	51253600	NRXN1	NM_001135659	24	23	3	99	1528	68236	334,49	92,9
chr2	51254640	51255510	NRXN1	NM_001135659	24	23	2	772	256	11754	13,49	100
chr2	61244747	61244947	PEX13	NM_002618	4	4	1	92	156	6387	31,78	57,6
chr2	61258515	61259222	PEX13	NM_002618	4	4	2	695	2106	100864	142,46	96,3
chr2	61272835	61273011	PEX13	NM_002618	4	4	3	126	165	6127	34,62	100
chr2	61275537	61275974	PEX13	NM_002618	4	4	4	299	860	41436	94,6	100
chr2	88857165	88857528	EIF2AK3	NM_004836	17	17	17	201	754	35892	98,6	100
chr2	88858308	88858490	EIF2AK3	NM_004836	17	17	16	63	141	6156	33,64	88,9
chr2	88861742	88861921	EIF2AK3	NM_004836	17	17	15	102	79	2971	16,51	100
chr2	88870450	88870626	EIF2AK3	NM_004836	17	17	14	168	462	19838	112,08	65,5
chr2	88874207	88875059	EIF2AK3	NM_004836	17	17	13	781	2584	124528	145,99	97,1
chr2	88876019	88876207	EIF2AK3	NM_004836	17	17	12	150	451	20700	109,52	90,7
chr2	88878960	88879163	EIF2AK3	NM_004836	17	17	11	123	406	15467	75,82	100
chr2	88882891	88883100	EIF2AK3	NM_004836	17	17	10	113	117	4969	23,66	100
chr2	88885322	88885593	EIF2AK3	NM_004836	17	17	9	221	1027	45470	167,17	100
chr2	88887499	88887684	EIF2AK3	NM_004836	17	17	8	123	127	5786	31,11	100
chr2	88888290	88888466	EIF2AK3	NM_004836	17	17	7	141	551	23798	134,45	92,2
chr2	88889914	88890102	EIF2AK3	NM_004836	17	17	6	163	581	23928	126,6	87,1
chr2	88890306	88890592	EIF2AK3	NM_004836	17	17	5	235	927	42749	148,95	100
chr2	88892747	88892959	EIF2AK3	NM_004836	17	17	4	134	505	21590	101,36	100
chr2	88895019	88895459	EIF2AK3	NM_004836	17	17	3	195	443	20059	45,49	83,6
chr2	88913185	88913385	EIF2AK3	NM_004836	17	17	2	130	517	24024	119,52	100
chr2	88926533	88926896	EIF2AK3	NM_004836	17	17	1	308	8	266	0,73	84,4
chr2	110881272	110881721	NPHP1	NM_000272	20	20	20	273	701	33619	74,71	100

chr2	110882773	110883272	NPHP1	NM_000272	20	20	19	45	1961	91153	182,31	100
chr2	110886657	110886884	NPHP1	NM_000272	20	20	18	74	427	18989	83,29	100
chr2	110889154	110889345	NPHP1	NM_000272	20	20	17	113	74	3276	17,06	79,6
chr2	110901017	110901205	NPHP1	NM_000272	20	20	16	100	384	15826	83,74	87
chr2	110902004	110902207	NPHP1	NM_000272	20	20	15	77	327	13360	65,49	100
chr2	110904285	110904455	NPHP1	NM_000272	20	20	14	83	340	13912	81,36	100
chr2	110905393	110905599	NPHP1	NM_000272	20	20	13	111	518	22809	110,19	96,4
chr2	110907695	110907901	NPHP1	NM_000272	20	20	12	75	556	23813	115,04	100
chr2	110917646	110917846	NPHP1	NM_000272	20	20	11	129	218	9770	48,61	100
chr2	110919111	110919299	NPHP1	NM_000272	20	20	10	95	123	5803	30,7	100
chr2	110920523	110920753	NPHP1	NM_000272	20	20	9	88	766	34400	148,92	100
chr2	110922068	110922259	NPHP1	NM_000272	20	20	8	211	647	29304	152,63	77,3
chr2	110922574	110922774	NPHP1	NM_000272	20	20	7	104	1948	86822	431,95	100
chr2	110925955	110926143	NPHP1	NM_000272	20	20	6	102	609	21714	114,89	100
chr2	110927312	110927503	NPHP1	NM_000272	20	20	5	193	1310	57254	298,2	62,7
chr2	110935875	110936155	NPHP1	NM_000272	20	20	4	125	430	18681	66,48	100
chr2	110937055	110937255	NPHP1	NM_000272	20	20	3	61	340	14900	74,13	90,2
chr2	110958859	110959077	NPHP1	NM_000272	20	20	2	74	245	10105	46,14	100
chr2	110962383	110962592	NPHP1	NM_000272	20	20	1	69	86	3406	16,22	100
chr2	121554832	121555014	GLI2	NM_005270	13	13	1	148	293	11877	64,9	79,7
chr2	121684832	121685017	GLI2	NM_005270	13	13	2	106	68	2653	14,26	76,4
chr2	121708747	121708962	GLI2	NM_005270	13	13	3	203	413	18232	84,41	70,9
chr2	121712738	121712953	GLI2	NM_005270	13	13	4	186	156	7349	34,02	71,5
chr2	121726245	121726463	GLI2	NM_005270	13	13	5	202	1111	50381	230,05	86,1
chr2	121728050	121728235	GLI2	NM_005270	13	13	6	214	230	9347	50,25	62,1
chr2	121729414	121729602	GLI2	NM_005270	13	13	7	123	165	6951	36,78	69,9
chr2	121732477	121732695	GLI2	NM_005270	13	13	8	186	266	11310	51,64	100
chr2	121735933	121736124	GLI2	NM_005270	13	13	9	150	102	4384	22,83	76,7
chr2	121740264	121740479	GLI2	NM_005270	13	13	10	165	197	8714	40,34	100
chr2	121741991	121742262	GLI2	NM_005270	13	13	11	273	550	26142	96,11	79,1
chr2	121743877	121744216	GLI2	NM_005270	13	13	12	337	334	15110	44,44	93,2
chr2	121745860	121748356	GLI2	NM_005270	13	13	13	2468	2201	103726	41,54	96,9
chr2	128015091	128015374	ERCC3	NM_000122	15	15	15	132	761	34461	121,34	100
chr2	128016862	128017059	ERCC3	NM_000122	15	15	14	153	640	27377	138,27	100
chr2	128018789	128018977	ERCC3	NM_000122	15	15	13	119	208	9017	47,71	100
chr2	128028882	128029082	ERCC3	NM_000122	15	15	12	118	376	16172	80,46	100
chr2	128030445	128030645	ERCC3	NM_000122	15	15	11	97	115	5173	25,74	95,9
chr2	128036755	128036934	ERCC3	NM_000122	15	15	10	203	1172	50328	279,6	88,7
chr2	128038014	128038217	ERCC3	NM_000122	15	15	9	185	276	12550	61,52	100
chr2	128044327	128044690	ERCC3	NM_000122	15	15	8	315	889	41533	114,1	84,8
chr2	128046168	128046365	ERCC3	NM_000122	15	15	7	205	1267	56646	286,09	63,4
chr2	128046872	128047389	ERCC3	NM_000122	15	15	6,5	165.136	1263	59622	115,1	100.0,91.9
chr2	128047790	128047987	ERCC3	NM_000122	15	15	4	50	300	12469	62,97	100
chr2	128050187	128050476	ERCC3	NM_000122	15	15	3	237	401	18937	65,3	99,6
chr2	128051064	128051738	ERCC3	NM_000122	15	15	2,1	206,28	1728	81327	120,48	100.0,100.0
chr2	135809820	135810085	RAB3GAP1	NM_001172435	25	25	1,2	18,56	252	10560	39,7	100.0,100.0
chr2	135815567	135815832	RAB3GAP1	NM_001172435	25	25	3	76	391	18068	67,92	100
chr2	135848515	135848700	RAB3GAP1	NM_001172435	25	25	4	133	356	15186	81,65	100
chr2	135851189	135851389	RAB3GAP1	NM_001172435	25	25	5	79	318	13493	67,13	94,9
chr2	135870668	135870883	RAB3GAP1	NM_001172435	25	25	6	120	92	3898	18,05	100
chr2	135872738	135872926	RAB3GAP1	NM_001172435	25	25	7	166	481	20687	109,46	84,9
chr2	135878338	135878523	RAB3GAP1	NM_001172435	25	25	8	100	1104	49542	266,35	100
chr2	135881690	135881866	RAB3GAP1	NM_001172435	25	25	9	82	183	7587	42,86	100
chr2	135883684	135883869	RAB3GAP1	NM_001172435	25	25	10	69	237	9688	52,09	100
chr2	135884143	135884340	RAB3GAP1	NM_001172435	25	25	11	74	601	23982	121,12	100
chr2	135887546	135887725	RAB3GAP1	NM_001172435	25	25	12	93	173	7199	39,99	100
chr2	135888139	135888327	RAB3GAP1	NM_001172435	25	25	13	170	145	6538	34,59	90

chr2	135890388	135890570	RAB3GAP1	NM_001172435	25	25	14	90	42	1860	10,16	100
chr2	135891425	135891616	RAB3GAP1	NM_001172435	25	25	15	173	678	29321	152,71	100
chr2	135892686	135892892	RAB3GAP1	NM_001172435	25	25	16	55	362	14772	71,36	100
chr2	135893179	135893536	RAB3GAP1	NM_001172435	25	25	17	369	723	32291	90,2	87,8
chr2	135907871	135908077	RAB3GAP1	NM_001172435	25	25	18	138	303	12038	58,15	100
chr2	135911180	135911487	RAB3GAP1	NM_001172435	25	25	19	228	263	11385	36,96	100
chr2	135920030	135920728	RAB3GAP1	NM_001172435	25	25	20,21,22	97.104.116	1700	80622	115,34	100,0,100,0,100,0
chr2	135922189	135922362	RAB3GAP1	NM_001172435	25	25	23	103	175	5890	33,85	75,7
chr2	135925163	135925360	RAB3GAP1	NM_001172435	25	25	24	21	1283	56307	284,38	100
chr2	135926143	135926426	RAB3GAP1	NM_001172435	25	25	25	237	1330	61982	218,25	88,2
chr2	145146927	145147557	ZEB2	NM_014795	10	9	10	578	5132	248949	394,53	93,4
chr2	145154040	145154243	ZEB2	NM_014795	10	9	9	181	627	26484	129,82	66,3
chr2	145155812	145157778	ZEB2	NM_014795	10	9	8	1970	3852	184430	93,76	97
chr2	145158695	145158904	ZEB2	NM_014795	10	9	7	109	443	20025	95,36	100
chr2	145161417	145161623	ZEB2	NM_014795	10	9	6	215	816	35516	171,57	65,6
chr2	145162468	145162662	ZEB2	NM_014795	10	9	5	189	580	26179	134,25	65,6
chr2	145182369	145182557	ZEB2	NM_014795	10	9	4	72	111	4880	25,82	91,7
chr2	145187314	145187677	ZEB2	NM_014795	10	9	3	258	2488	114080	313,41	100
chr2	145274817	145275020	ZEB2	NM_014795	10	9	2	73	227	10168	49,84	100
chr2	149216199	149216491	MBD5	NM_018328	15	10	6	113	441	19578	66,82	100
chr2	149220116	149220292	MBD5	NM_018328	15	10	7	103	126	5400	30,51	100
chr2	149221270	149221455	MBD5	NM_018328	15	10	8	181	151	6401	34,41	81,8
chr2	149225842	149228042	MBD5	NM_018328	15	10	9	2121	8389	406589	184,73	100
chr2	149240638	149241745	MBD5	NM_018328	15	10	10	327	11607	565327	510,22	100
chr2	149243368	149243577	MBD5	NM_018328	15	10	11	209	1181	51543	245,44	72,7
chr2	149246884	149248133	MBD5	NM_018328	15	10	12	1209	6382	312668	250,13	97,5
chr2	149260007	149260216	MBD5	NM_018328	15	10	13	74	182	7704	36,69	97,3
chr2	149267596	149267790	MBD5	NM_018328	15	10	14	76	152	5852	30,01	100
chr2	149270465	149270644	MBD5	NM_018328	15	10	15	72	320	11540	64,11	63,9
chr2	150426550	150426750	MMADHC	NM_015702	8	7	8	195	173	7326	36,45	68,2
chr2	150427607	150427786	MMADHC	NM_015702	8	7	7	87	35	1611	8,95	90,8
chr2	150432261	150432440	MMADHC	NM_015702	8	7	6	131	106	4700	26,11	72,5
chr2	150432963	150433151	MMADHC	NM_015702	8	7	5	106	138	6022	31,86	88,7
chr2	150435958	150436244	MMADHC	NM_015702	8	7	4	218	343	15417	53,72	94
chr2	150438564	150438737	MMADHC	NM_015702	8	7	3	145	156	6227	35,79	66,9
chr2	150443532	150443812	MMADHC	NM_015702	8	7	2	9	472	20532	73,07	100
chr2	158593900	158594263	ACVR1	NM_001105	11	9	11	135	846	38610	106,07	100
chr2	158594862	158595044	ACVR1	NM_001105	11	9	10	131	1187	50178	274,2	71
chr2	158617327	158617542	ACVR1	NM_001105	11	9	9	198	281	11274	52,19	76,3
chr2	158622427	158622707	ACVR1	NM_001105	11	9	8	276	838	39020	138,86	99,6
chr2	158626792	158626983	ACVR1	NM_001105	11	9	7	147	547	23208	120,88	70,7
chr2	158630546	158630755	ACVR1	NM_001105	11	9	6	100	394	17464	83,16	100
chr2	158634711	158634917	ACVR1	NM_001105	11	9	5	212	193	8697	42,01	67,9
chr2	158636900	158637180	ACVR1	NM_001105	11	9	4	264	364	16388	58,32	80,7
chr2	158655880	158656068	ACVR1	NM_001105	11	9	3	67	285	12259	64,86	100
chr2	166152273	166152547	SCN2A	NM_001040142	27	26	2	267	566	25672	93,35	80,1
chr2	166153431	166153610	SCN2A	NM_001040142	27	26	3	119	149	5928	32,93	70,6
chr2	166164281	166164457	SCN2A	NM_001040142	27	26	4	90	521	22886	129,3	100
chr2	166165214	166165396	SCN2A	NM_001040142	27	26	5	129	326	13734	75,05	70,5
chr2	166166885	166167153	SCN2A	NM_001040142	27	26	7	273	732	34820	129,44	81
chr2	166168451	166168630	SCN2A	NM_001040142	27	26	8	64	115	4894	27,19	100
chr2	166170176	166170438	SCN2A	NM_001040142	27	26	9,10	142.207	517	23247	88,39	67,6,13,0
chr2	166170508	166170693	SCN2A	NM_001040142	27	26	10	207	189	7779	41,82	53,6
chr2	166171999	166172270	SCN2A	NM_001040142	27	26	11	288	187	7285	26,78	93,8
chr2	166179594	166179957	SCN2A	NM_001040142	27	26	12	345	1424	67822	186,32	84,6
chr2	166183351	166183548	SCN2A	NM_001040142	27	26	13	133	322	14229	71,86	100
chr2	166187815	166188113	SCN2A	NM_001040142	27	26	14	239	778	33984	113,66	100

chr2	166198849	166199043	SCN2A	NM_001040142	27	26	15	174	558	23761	121,85	75,3
chr2	166201187	166201307	SCN2A	NM_001040142	27	26	16	357	392	13070	108,02	33,9
chr2	166201377	166201497	SCN2A	NM_001040142	27	26	16	357	173	6872	56,79	12,6
chr2	166210756	166211267	SCN2A	NM_001040142	27	26	17	480	1080	51120	99,84	88,8
chr2	166221606	166221827	SCN2A	NM_001040142	27	26	18	121	227	9961	44,87	100
chr2	166223658	166223837	SCN2A	NM_001040142	27	26	19	155	353	15401	85,56	71,6
chr2	166226697	166226873	SCN2A	NM_001040142	27	26	20	174	882	37241	210,4	64,9
chr2	166229770	166229943	SCN2A	NM_001040142	27	26	21	123	449	18564	106,69	71,5
chr2	166231147	166231406	SCN2A	NM_001040142	27	26	22	282	641	31147	119,8	75,2
chr2	166234069	166234257	SCN2A	NM_001040142	27	26	23	54	297	14175	75	100
chr2	166237013	166237195	SCN2A	NM_001040142	27	26	24	138	124	5245	28,66	68,1
chr2	166237629	166237820	SCN2A	NM_001040142	27	26	25	105	383	15057	78,42	75,2
chr2	166243325	166243605	SCN2A	NM_001040142	27	26	26	271	601	27256	97	74,5
chr2	166245474	166245594	SCN2A	NM_001040142	27	26	27	1196	782	29600	244,63	10,1
chr2	166245904	166246474	SCN2A	NM_001040142	27	26	27	1196	1102	50497	88,44	36
chr2	166847649	166848154	SCN1A	NM_001165963	26	26	26	1178	574	25891	51,17	34
chr2	166848203	166848323	SCN1A	NM_001165963	26	26	26	1178	80	2169	17,93	10,3
chr2	166848858	166848978	SCN1A	NM_001165963	26	26	26	1178	56	2598	21,47	6,4
chr2	166850683	166850945	SCN1A	NM_001165963	26	26	25	271	584	25428	96,68	90
chr2	166852599	166852719	SCN1A	NM_001165963	26	26	24	105	25	881	7,28	27,6
chr2	166854576	166854761	SCN1A	NM_001165963	26	26	23	138	456	18363	98,73	79,7
chr2	166856168	166856347	SCN1A	NM_001165963	26	26	22	54	613	26150	145,28	100
chr2	166859024	166859289	SCN1A	NM_001165963	26	26	21	282	500	22865	85,96	85,1
chr2	166866258	166866437	SCN1A	NM_001165963	26	26	20	123	361	16820	93,44	76,4
chr2	166868677	166868850	SCN1A	NM_001165963	26	26	19	174	469	20843	119,79	66,7
chr2	166870236	166870430	SCN1A	NM_001165963	26	26	18	155	451	18001	92,31	100
chr2	166872064	166872291	SCN1A	NM_001165963	26	26	17	121	639	29848	130,91	100
chr2	166892613	166893103	SCN1A	NM_001165963	26	26	16	483	965	44347	90,32	88,6
chr2	166894417	166894718	SCN1A	NM_001165963	26	26	15	357	612	27617	91,45	63,3
chr2	166895880	166896080	SCN1A	NM_001165963	26	26	14	174	368	15634	77,78	85,1
chr2	166897683	166897969	SCN1A	NM_001165963	26	26	13	239	328	14901	51,92	95,8
chr2	166898779	166898958	SCN1A	NM_001165963	26	26	12	133	583	25807	143,37	100
chr2	166900197	166900637	SCN1A	NM_001165963	26	26	11	381	1421	64453	146,15	95,3
chr2	166901479	166901768	SCN1A	NM_001165963	26	26	10	285	1077	49299	170	75,8
chr2	166903437	166903557	SCN1A	NM_001165963	26	26	9	207	85	3049	25,2	24,2
chr2	166904137	166904346	SCN1A	NM_001165963	26	26	8	142	439	19531	93	100
chr2	166905327	166905533	SCN1A	NM_001165963	26	26	7	64	357	15417	74,48	100
chr2	166908238	166908548	SCN1A	NM_001165963	26	26	6	270	186	8335	26,8	96,7
chr2	166909432	166909552	SCN1A	NM_001165963	26	26	5	92	94	3108	25,69	23,9
chr2	166911081	166911278	SCN1A	NM_001165963	26	26	4	129	523	23006	116,19	100
chr2	166912919	166913140	SCN1A	NM_001165963	26	26	3	88	713	32049	144,36	100
chr2	166915083	166915253	SCN1A	NM_001165963	26	26	2	121	184	7847	45,89	95,9
chr2	166929942	166930195	SCN1A	NM_001165963	26	26	1	264	639	26746	105,3	72
chr2	169985106	169985611	LRP2	NM_004525	79	79	79,78	168,72	1515	71826	141,95	100,0,100,0
chr2	169989001	169989222	LRP2	NM_004525	79	79	77	108	286	12920	58,2	100
chr2	169993789	169993989	LRP2	NM_004525	79	79	76	102	307	13101	65,18	86,3
chr2	169995045	169995257	LRP2	NM_004525	79	79	75	130	999	45811	215,08	100
chr2	169995796	169996147	LRP2	NM_004525	79	79	74,73	121,68	812	37182	105,63	71,1,100,0
chr2	169996843	169997049	LRP2	NM_004525	79	79	72	91	764	31746	153,36	93,4
chr2	169999179	169999358	LRP2	NM_004525	79	79	71	120	387	17135	95,19	100
chr2	170002229	170002447	LRP2	NM_004525	79	79	70	177	283	11904	54,36	100
chr2	170003248	170003531	LRP2	NM_004525	79	79	69	221	1548	69564	244,94	100
chr2	170007446	170007631	LRP2	NM_004525	79	79	68	129	797	35013	188,24	70,5
chr2	170009243	170009440	LRP2	NM_004525	79	79	67	166	564	23880	120,61	79,5
chr2	170010941	170011141	LRP2	NM_004525	79	79	66	144	311	13077	65,06	100
chr2	170012818	170013021	LRP2	NM_004525	79	79	65	132	427	18405	90,22	74,2
chr2	170013804	170014007	LRP2	NM_004525	79	79	64	132	142	5732	28,1	96,2

chr2	170018927	170019130	LRP2	NM_004525	79	79	63	129	779	35496	174	100
chr2	170022474	170022656	LRP2	NM_004525	79	79	62	123	187	8487	46,38	74
chr2	170025032	170025229	LRP2	NM_004525	79	79	61	138	467	20212	102,08	100
chr2	170026187	170026384	LRP2	NM_004525	79	79	60	117	122	5052	25,52	100
chr2	170026967	170027146	LRP2	NM_004525	79	79	59	117	624	26537	147,43	73,5
chr2	170028427	170028609	LRP2	NM_004525	79	79	58	120	656	27302	149,19	70,8
chr2	170029602	170029799	LRP2	NM_004525	79	79	57	129	664	28857	145,74	100
chr2	170030462	170030766	LRP2	NM_004525	79	79	56	246	874	38430	126	86,6
chr2	170031640	170031825	LRP2	NM_004525	79	79	55	197	645	26864	144,43	62,4
chr2	170032981	170033175	LRP2	NM_004525	79	79	54	178	931	40789	209,17	66,3
chr2	170034212	170034504	LRP2	NM_004525	79	79	53	224	919	43252	147,62	85,7
chr2	170037912	170038097	LRP2	NM_004525	79	79	52	171	402	16325	87,77	81,9
chr2	170038673	170038888	LRP2	NM_004525	79	79	51	153	66	2963	13,72	100
chr2	170042034	170042566	LRP2	NM_004525	79	79	50	517	1431	69241	129,91	95,9
chr2	170044375	170044762	LRP2	NM_004525	79	79	49	296	1926	86843	223,82	95,6
chr2	170048294	170048467	LRP2	NM_004525	79	79	48	202	299	12619	72,52	62,4
chr2	170050167	170050370	LRP2	NM_004525	79	79	47	132	524	22566	110,62	75,8
chr2	170053371	170053565	LRP2	NM_004525	79	79	46	120	608	26104	133,87	100
chr2	170055240	170055425	LRP2	NM_004525	79	79	45	126	529	22001	118,28	100
chr2	170058073	170058335	LRP2	NM_004525	79	79	44	243	968	45231	171,98	81,5
chr2	170059306	170059500	LRP2	NM_004525	79	79	43	204	2913	122745	629,46	80,4
chr2	170060436	170060719	LRP2	NM_004525	79	79	42	290	490	22345	78,68	78,6
chr2	170062042	170062218	LRP2	NM_004525	79	79	41	159	217	9382	53,01	66,7
chr2	170062592	170063823	LRP2	NM_004525	79	79	40,39	166,921	5037	242801	197,08	64,5,100,0
chr2	170065998	170066186	LRP2	NM_004525	79	79	38	189	159	7221	38,21	81,5
chr2	170068502	170068752	LRP2	NM_004525	79	79	37	240	232	10586	42,18	90
chr2	170070122	170070307	LRP2	NM_004525	79	79	36	214	527	22261	119,68	65,9
chr2	170072805	170073026	LRP2	NM_004525	79	79	35	178	280	13199	59,45	76,4
chr2	170076876	170077091	LRP2	NM_004525	79	79	34	110	655	29553	136,82	100
chr2	170081806	170081976	LRP2	NM_004525	79	79	33	144	200	7560	44,21	100
chr2	170082920	170083105	LRP2	NM_004525	79	79	32	167	861	34513	185,55	100
chr2	170088127	170088321	LRP2	NM_004525	79	79	31	129	110	4771	24,47	76
chr2	170089876	170090085	LRP2	NM_004525	79	79	30	178	440	18215	86,74	92,7
chr2	170092263	170092528	LRP2	NM_004525	79	79	29	229	703	32873	123,58	78,2
chr2	170093604	170093798	LRP2	NM_004525	79	79	28	185	299	13218	67,78	100
chr2	170094597	170094800	LRP2	NM_004525	79	79	27	212	347	15852	77,71	94,3
chr2	170096029	170096315	LRP2	NM_004525	79	79	26	249	583	26758	93,23	100
chr2	170097378	170097910	LRP2	NM_004525	79	79	25	378	3406	162177	304,27	100
chr2	170099390	170099593	LRP2	NM_004525	79	79	24	117	1030	43901	215,2	100
chr2	170099875	170100066	LRP2	NM_004525	79	79	23	120	620	27243	141,89	100
chr2	170101119	170101387	LRP2	NM_004525	79	79	22	240	613	27130	100,86	77,1
chr2	170103146	170103432	LRP2	NM_004525	79	79	21	282	769	34829	121,36	77,3
chr2	170103856	170104056	LRP2	NM_004525	79	79	20	138	402	17947	89,29	100
chr2	170112565	170112756	LRP2	NM_004525	79	79	19	131	739	31879	166,04	100
chr2	170113668	170113847	LRP2	NM_004525	79	79	18	126	224	10095	56,08	73
chr2	170115473	170115676	LRP2	NM_004525	79	79	17	193	686	29583	145,01	73,6
chr2	170127415	170127609	LRP2	NM_004525	79	79	16	204	199	8245	42,28	95,6
chr2	170129472	170129660	LRP2	NM_004525	79	79	15	141	950	42093	222,71	75,2
chr2	170131588	170131773	LRP2	NM_004525	79	79	14	203	219	9292	49,96	79,3
chr2	170134251	170134472	LRP2	NM_004525	79	79	13	207	300	13385	60,29	100
chr2	170135823	170136097	LRP2	NM_004525	79	79	12	224	719	33627	122,28	96,4
chr2	170136781	170136993	LRP2	NM_004525	79	79	11	170	1328	57392	269,45	78,8
chr2	170139331	170139561	LRP2	NM_004525	79	79	10	129	714	30815	133,4	100
chr2	170145567	170145746	LRP2	NM_004525	79	79	9	120	312	14104	78,36	74,2
chr2	170147282	170147458	LRP2	NM_004525	79	79	8	153	500	21278	120,21	68
chr2	170148651	170148845	LRP2	NM_004525	79	79	7	117	765	32103	164,63	70,9
chr2	170150686	170150868	LRP2	NM_004525	79	79	6	114	76	3322	18,15	75,4

chr2	170151004	170151201	LRP2	NM_004525	79	79	5	111	517	21513	108,65	82,9
chr2	170163709	170163933	LRP2	NM_004525	79	79	4	117	419	18023	80,1	100
chr2	170175172	170175372	LRP2	NM_004525	79	79	3	123	1966	83865	417,24	82,1
chr2	170177225	170177455	LRP2	NM_004525	79	79	2	108	2166	93561	405,03	100
chr2	170218903	170219023	LRP2	NM_004525	79	79	1	79	52	2073	17,13	8,9
chr2	170335940	170336137	BBS5	NM_152384	12	12	1	59	158	6665	33,66	100
chr2	170338758	170338952	BBS5	NM_152384	12	12	2	83	131	5015	25,72	100
chr2	170343466	170343642	BBS5	NM_152384	12	12	3	66	82	3108	17,56	97
chr2	170344268	170344622	BBS5	NM_152384	12	12	4,5	50.128	524	23086	65,03	100,0,98.4
chr2	170349423	170349611	BBS5	NM_152384	12	12	6	136	321	13697	72,47	71,3
chr2	170350180	170350368	BBS5	NM_152384	12	12	7	96	81	3459	18,3	100
chr2	170353992	170354210	BBS5	NM_152384	12	12	8	63	109	4342	19,83	100
chr2	170355986	170356177	BBS5	NM_152384	12	12	9	135	243	10472	54,54	100
chr2	170359546	170359731	BBS5	NM_152384	12	12	10	84	443	19100	102,69	100
chr2	170360798	170361170	BBS5	NM_152384	12	12	11,12	24.102	1235	59495	159,5	100,0,100.0
chr2	171675026	171675229	GAD1	NM_000817	17	16	2	82	494	19927	97,68	100
chr2	171678464	171678670	GAD1	NM_000817	17	16	3	63	2476	105317	508,78	100
chr2	171686026	171686235	GAD1	NM_000817	17	16	4	159	425	18828	89,66	74,2
chr2	171687365	171687645	GAD1	NM_000817	17	16	5	243	979	43953	156,42	76,5
chr2	171693244	171693453	GAD1	NM_000817	17	16	6	91	215	9061	43,15	100
chr2	171700534	171700734	GAD1	NM_000817	17	16	7	113	402	16827	83,72	100
chr2	171702072	171702355	GAD1	NM_000817	17	16	8,9	116,80	652	28962	101,98	51,7,100.0
chr2	171702484	171702675	GAD1	NM_000817	17	16	10	55	173	6347	33,06	100
chr2	171704128	171704310	GAD1	NM_000817	17	16	11	117	531	24315	132,87	100
chr2	171705670	171705858	GAD1	NM_000817	17	16	12	65	642	27765	146,9	96,9
chr2	171709090	171709311	GAD1	NM_000817	17	16	13	79	718	30271	136,36	100
chr2	171710432	171710623	GAD1	NM_000817	17	16	14	150	333	15057	78,42	67,3
chr2	171713481	171713678	GAD1	NM_000817	17	16	15	108	271	11383	57,49	100
chr2	171715201	171715383	GAD1	NM_000817	17	16	16	90	709	31313	171,11	77,8
chr2	171716141	171716507	GAD1	NM_000817	17	16	17	174	1825	86208	234,9	100
chr2	200136858	200137458	SATB2	NM_001172509	11	10	11	462	2645	125686	209,13	100
chr2	200173496	200173672	SATB2	NM_001172509	11	10	10	198	1099	46918	265,07	89,4
chr2	200188440	200188628	SATB2	NM_001172509	11	10	9	156	29	1223	6,47	66
chr2	200193498	200193686	SATB2	NM_001172509	11	10	8	213	169	7213	38,16	63,8
chr2	200213345	200213927	SATB2	NM_001172509	11	10	7	473	2072	100673	172,68	100
chr2	200233263	200233436	SATB2	NM_001172509	11	10	6	103	770	35266	202,68	100
chr2	200245123	200245320	SATB2	NM_001172509	11	10	5	124	58	2489	12,57	71
chr2	200246319	200246507	SATB2	NM_001172509	11	10	4	127	506	22640	119,79	71,7
chr2	200298123	200298296	SATB2	NM_001172509	11	10	3	177	581	25650	147,41	65
chr2	200320624	200320827	SATB2	NM_001172509	11	10	2	169	19	734	3,6	81,1
chr2	202488870	202488990	TMEM237	NM_001044385	12	12	12	68	101	4216	34,84	19,1
chr2	202490724	202490894	TMEM237	NM_001044385	12	12	11	122	79	2992	17,5	100
chr2	202491975	202492157	TMEM237	NM_001044385	12	12	10	94	509	22213	121,38	100
chr2	202492733	202492924	TMEM237	NM_001044385	12	12	9	74	237	10370	54,01	100
chr2	202493978	202494178	TMEM237	NM_001044385	12	12	8	192	336	14690	73,08	87
chr2	202494488	202494679	TMEM237	NM_001044385	12	12	7	124	195	7003	36,47	71
chr2	202496720	202496941	TMEM237	NM_001044385	12	12	6	158	293	12986	58,5	100
chr2	202497978	202498163	TMEM237	NM_001044385	12	12	5	121	280	12307	66,17	100
chr2	202501424	202501645	TMEM237	NM_001044385	12	12	4	138	129	5360	24,14	100
chr2	202503660	202503878	TMEM237	NM_001044385	12	12	3	62	153	6301	28,77	100
chr2	202505537	202505719	TMEM237	NM_001044385	12	12	2	32	186	8148	44,52	100
chr2	202508003	202508197	TMEM237	NM_001044385	12	12	1	42	41	1835	9,41	100
chr2	206988748	206989034	NDUFS1	NM_001199984	19	19	19	92	312	14632	50,98	100
chr2	206991238	206991598	NDUFS1	NM_001199984	19	19	18,17	73.135	695	32225	89,27	100,0,100.0
chr2	206992460	206992633	NDUFS1	NM_001199984	19	19	16	176	242	10069	57,87	64,2
chr2	206994812	206995018	NDUFS1	NM_001199984	19	19	15	155	285	12506	60,42	100
chr2	206997663	206997836	NDUFS1	NM_001199984	19	19	14	161	229	9806	56,36	100

chr2	207003164	207003376	NDUFS1	NM_001199984	19	19	13	130	161	6814	31,99	100
chr2	207006634	207006813	NDUFS1	NM_001199984	19	19	12	129	251	10924	60,69	100
chr2	207007451	207007642	NDUFS1	NM_001199984	19	19	11	146	713	32268	168,06	71,9
chr2	207008665	207008880	NDUFS1	NM_001199984	19	19	10	115	761	33048	153	100
chr2	207009600	207009797	NDUFS1	NM_001199984	19	19	9	135	1180	51947	262,36	100
chr2	207011586	207011789	NDUFS1	NM_001199984	19	19	8	186	458	19601	96,08	87,6
chr2	207012226	207012580	NDUFS1	NM_001199984	19	19	7,6	131,82	1021	46063	129,75	100,0,100,0
chr2	207013609	207013830	NDUFS1	NM_001199984	19	19	5	77	447	20167	90,84	100
chr2	207014430	207014615	NDUFS1	NM_001199984	19	19	4	108	107	4384	23,57	68,5
chr2	207017091	207017285	NDUFS1	NM_001199984	19	19	3	92	461	20021	102,67	100
chr2	207018197	207018412	NDUFS1	NM_001199984	19	19	2	65	86	3777	17,49	100
chr2	207023666	207023878	NDUFS1	NM_001199984	19	19	1	38	731	30384	142,65	100
chr2	219525638	219526220	BCS1L	NM_001079866	8	7	2,3	320.140	2753	125001	214,41	100,0,65,7
chr2	219526553	219526738	BCS1L	NM_001079866	8	7	4	195	597	25001	134,41	63,6
chr2	219526920	219527099	BCS1L	NM_001079866	8	7	5	64	52	2070	11,5	100
chr2	219527286	219527471	BCS1L	NM_001079866	8	7	6	170	148	6325	34,01	68,8
chr2	219527551	219528163	BCS1L	NM_001079866	8	7	7,8	118.253	1791	79040	128,94	100,0,100,0
chr2	239974677	239974797	HDAC4	NM_006037	27	26	27	40	123	3919	32,39	12,5
chr2	239975201	239975401	HDAC4	NM_006037	27	26	26	142	259	10529	52,38	68,3
chr2	239976449	239976646	HDAC4	NM_006037	27	26	25	85	153	6446	32,56	95,3
chr2	239988430	239988731	HDAC4	NM_006037	27	26	24	134	408	17642	58,42	91
chr2	239990068	239990277	HDAC4	NM_006037	27	26	23	119	488	21162	100,77	78,2
chr2	240002679	240002867	HDAC4	NM_006037	27	26	22	98	368	15601	82,54	78,6
chr2	240003823	240004014	HDAC4	NM_006037	27	26	21	120	310	13272	69,13	79,2
chr2	240005719	240005934	HDAC4	NM_006037	27	26	20	88	221	9312	43,11	95,5
chr2	240009242	240009427	HDAC4	NM_006037	27	26	19	56	699	30710	165,11	100
chr2	240011704	240011895	HDAC4	NM_006037	27	26	18	108	159	6925	36,07	100
chr2	240016571	240016741	HDAC4	NM_006037	27	26	17	47	416	17435	101,96	76,6
chr2	240024377	240024559	HDAC4	NM_006037	27	26	16	121	249	10716	58,56	72,7
chr2	240029787	240029960	HDAC4	NM_006037	27	26	15	134	11	416	2,39	69,4
chr2	240033205	240033423	HDAC4	NM_006037	27	26	14	187	17	747	3,41	100
chr2	240036812	240037086	HDAC4	NM_006037	27	26	13	258	200	8388	30,5	75,6
chr2	240048177	240048481	HDAC4	NM_006037	27	26	12	224	203	8922	29,25	88,8
chr2	240055973	240056422	HDAC4	NM_006037	27	26	11,10	199.117	284	12818	28,48	83,9,100,0
chr2	240061263	240061463	HDAC4	NM_006037	27	26	9	113	418	17464	86,89	74,3
chr2	240066316	240066507	HDAC4	NM_006037	27	26	8	132	584	24267	126,39	72
chr2	240078383	240078568	HDAC4	NM_006037	27	26	7	122	277	11376	61,16	71,3
chr2	240085488	240085679	HDAC4	NM_006037	27	26	6	121	268	11377	59,26	100
chr2	240098158	240098340	HDAC4	NM_006037	27	26	5	151	9	378	2,07	67,5
chr2	240111579	240111862	HDAC4	NM_006037	27	26	4	245	39	1789	6,3	79,6
chr2	240158299	240158484	HDAC4	NM_006037	27	26	3	72	213	8838	47,52	86,1
chr2	240274375	240274581	HDAC4	NM_006037	27	26	2	22	324	13623	65,81	90,9
chr2	242674605	242674912	D2HGDH	NM_152783	10	9	2	292	10	480	1,56	93,5
chr2	242680331	242680504	D2HGDH	NM_152783	10	9	3	58	297	13299	76,43	98,3
chr2	242681873	242682094	D2HGDH	NM_152783	10	9	4	140	364	15315	68,99	83,6
chr2	242683003	242683203	D2HGDH	NM_152783	10	9	5	194	57	2488	12,38	86,1
chr2	242684137	242684337	D2HGDH	NM_152783	10	9	6	169	882	39420	196,12	92,3
chr2	242689471	242689665	D2HGDH	NM_152783	10	9	7	144	613	26175	134,23	69,4
chr2	242690556	242690756	D2HGDH	NM_152783	10	9	8	143	183	7670	38,16	67,1
chr2	242695183	242695374	D2HGDH	NM_152783	10	9	9	166	589	25814	134,45	66,9
chr2	242707145	242707502	D2HGDH	NM_152783	10	9	10	260	137	6248	17,45	92,3
chr3	3192514	3192794	CRBN	NM_016302	11	11	11	181	365	16161	57,51	100
chr3	3194099	3194299	CRBN	NM_016302	11	11	10	132	575	24969	124,22	100
chr3	3195099	3195302	CRBN	NM_016302	11	11	9	65	283	11108	54,45	100
chr3	3195574	3195774	CRBN	NM_016302	11	11	8	116	377	17248	85,81	100
chr3	3196327	3196515	CRBN	NM_016302	11	11	7	85	289	12708	67,24	100
chr3	3197842	3198039	CRBN	NM_016302	11	11	6	63	181	7235	36,54	100

chr3	3209217	3209506	CRBN	NM_016302	11	11	5	160	668	30661	105,73	100
chr3	3214440	3214619	CRBN	NM_016302	11	11	4	150	369	15907	88,37	100
chr3	3215764	3215973	CRBN	NM_016302	11	11	3	203	401	17947	85,46	89,7
chr3	3216829	3217035	CRBN	NM_016302	11	11	2	107	155	6674	32,24	100
chr3	3221260	3221436	CRBN	NM_016302	11	11	1	67	56	2425	13,7	100
chr3	10070285	10070488	FANCD2	NM_033084	43	42	2	64	135	5611	27,5	100
chr3	10074518	10074718	FANCD2	NM_033084	43	42	3	141	100	4274	21,26	98,6
chr3	10076104	10076479	FANCD2	NM_033084	43	42	4,5	68.104	430	19201	51,07	100,0,97.1
chr3	10076849	10077046	FANCD2	NM_033084	43	42	6	61	503	22215	112,2	100
chr3	10077881	10078063	FANCD2	NM_033084	43	42	7	53	204	8911	48,69	100
chr3	10080913	10081101	FANCD2	NM_033084	43	42	8	79	501	22733	120,28	100
chr3	10081418	10081683	FANCD2	NM_033084	43	42	9	125	422	19014	71,48	89,6
chr3	10083178	10083437	FANCD2	NM_033084	43	42	10	88	500	22185	85,33	100
chr3	10084236	10084421	FANCD2	NM_033084	43	42	11	105	284	11696	62,88	100
chr3	10084728	10084928	FANCD2	NM_033084	43	42	12	101	265	11133	55,39	100
chr3	10088190	10088360	FANCD2	NM_033084	43	42	15	144	226	9403	54,99	67,4
chr3	10089642	10089833	FANCD2	NM_033084	43	42	16	135	599	25389	132,23	69,6
chr3	10093950	10094150	FANCD2	NM_033084	43	42	18	111	95	4076	20,28	72,1
chr3	10102007	10102207	FANCD2	NM_033084	43	42	19	110	526	22638	112,63	73,6
chr3	10103829	10103949	FANCD2	NM_033084	43	42	20	61	70	2638	21,8	100
chr3	10105510	10105680	FANCD2	NM_033084	43	42	21	120	222	9844	57,57	71,7
chr3	10106322	10106442	FANCD2	NM_033084	43	42	23	147	88	3479	28,75	20,4
chr3	10107048	10107251	FANCD2	NM_033084	43	42	24	101	218	9498	46,56	100
chr3	10108891	10109064	FANCD2	NM_033084	43	42	26	109	570	24938	143,32	100
chr3	10114584	10114757	FANCD2	NM_033084	43	42	27	111	231	8870	50,98	73,9
chr3	10114966	10115151	FANCD2	NM_033084	43	42	28	110	341	15684	84,32	73,6
chr3	10116182	10116388	FANCD2	NM_033084	43	42	29	144	540	22976	111	100
chr3	10119674	10119859	FANCD2	NM_033084	43	42	30	117	957	38486	206,91	81,2
chr3	10122728	10123094	FANCD2	NM_033084	43	42	31,32	129.119	1104	51662	140,77	100,0,54.6
chr3	10127384	10127581	FANCD2	NM_033084	43	42	33	111	235	10508	53,07	77,5
chr3	10128767	10128940	FANCD2	NM_033084	43	42	34	131	731	31211	179,37	93,9
chr3	10130064	10130288	FANCD2	NM_033084	43	42	35	94	479	21542	95,74	100
chr3	10130427	10130609	FANCD2	NM_033084	43	42	36	123	146	5888	32,17	79,7
chr3	10131922	10132119	FANCD2	NM_033084	43	42	37	94	209	9549	48,23	100
chr3	10133767	10133982	FANCD2	NM_033084	43	42	38	72	260	11361	52,6	100
chr3	10134941	10135147	FANCD2	NM_033084	43	42	39	39	628	27600	133,33	100
chr3	10135840	10136043	FANCD2	NM_033084	43	42	40	75	125	5110	25,05	94,7
chr3	10136745	10136954	FANCD2	NM_033084	43	42	41	75	114	4688	22,32	94,7
chr3	10137931	10138113	FANCD2	NM_033084	43	42	42	147	717	29964	163,74	70,7
chr3	10140318	10140740	FANCD2	NM_033084	43	42	43	231	1031	47082	111,3	100
chr3	12625897	12626091	RAF1	NM_002880	17	16	17	144	244	10884	55,82	54,9
chr3	12626403	12626816	RAF1	NM_002880	17	16	16,15	135.132	1060	51809	125,14	57,8,100.0
chr3	12627210	12627413	RAF1	NM_002880	17	16	14	119	942	41818	204,99	74,8
chr3	12629027	12629254	RAF1	NM_002880	17	16	13	47	142	6105	26,78	100
chr3	12632341	12632538	RAF1	NM_002880	17	16	12	177	523	22679	114,54	75,1
chr3	12633223	12633408	RAF1	NM_002880	17	16	11	85	531	24009	129,08	81,2
chr3	12641214	12641408	RAF1	NM_002880	17	16	10	118	124	5006	25,67	79,7
chr3	12641711	12641967	RAF1	NM_002880	17	16	9,8	128,28	446	18909	73,58	53.1,100.0
chr3	12645671	12645871	RAF1	NM_002880	17	16	7	154	449	19151	95,28	76,6
chr3	12647579	12647782	RAF1	NM_002880	17	16	6	99	218	9500	46,57	83,8
chr3	12650261	12650473	RAF1	NM_002880	17	16	5	158	305	13707	64,35	100
chr3	12650640	12650843	RAF1	NM_002880	17	16	4	103	307	13649	66,91	100
chr3	12653374	12653571	RAF1	NM_002880	17	16	3	113	577	22704	114,67	100
chr3	12659979	12660268	RAF1	NM_002880	17	16	2	207	857	38902	134,14	100
chr3	24164243	24164597	THRB	NM_001128177	11	8	11	242	979	44830	126,28	92,1
chr3	24169035	24169330	THRB	NM_001128177	11	8	10	259	1926	89213	301,4	82,6
chr3	24174785	24174982	THRB	NM_001128177	11	8	9	147	671	29762	150,31	100

chr3	24184925	24185125	THRB	NM_001128177	11	8	8	206	703	31668	157,55	65
chr3	24188076	24188282	THRB	NM_001128177	11	8	7	148	586	24553	118,61	79,1
chr3	24193905	24194090	THRB	NM_001128177	11	8	6	101	151	6611	35,54	76,2
chr3	24231494	24231765	THRB	NM_001128177	11	8	5	261	1362	62091	228,28	77
chr3	24270374	24270550	THRB	NM_001128177	11	8	4	22	140	4764	26,92	100
chr3	30648235	30648447	TGFBR2	NM_001024847	8	8	1	94	11	442	2,08	76,6
chr3	30664633	30664824	TGFBR2	NM_001024847	8	8	2	75	543	21065	109,71	100
chr3	30686162	30686356	TGFBR2	NM_001024847	8	8	3	169	256	10757	55,16	69,8
chr3	30691762	30691950	TGFBR2	NM_001024847	8	8	4	191	355	14484	76,63	99
chr3	30713055	30713880	TGFBR2	NM_001024847	8	8	5	800	2834	133144	161,19	93,9
chr3	30715531	30715728	TGFBR2	NM_001024847	8	8	6	142	292	13049	65,9	93
chr3	30729914	30730093	TGFBR2	NM_001024847	8	8	7	128	141	5645	31,36	70,3
chr3	30732963	30733154	TGFBR2	NM_001024847	8	8	8	180	187	8174	42,57	71,7
chr3	41265511	41265702	CTNNB1	NM_001904	15	14	2	13	1259	52090	271,3	100
chr3	41265975	41266285	CTNNB1	NM_001904	15	14	3	228	938	43608	140,22	100
chr3	41266429	41267358	CTNNB1	NM_001904	15	14	4,5,6	254.239.202	2356	113869	122,44	100.0,100.0,100.0
chr3	41268679	41268855	CTNNB1	NM_001904	15	14	7	145	158	6767	38,23	100
chr3	41274743	41275737	CTNNB1	NM_001904	15	14	8,9,10	104.339.159	3383	158463	159,26	100.0,100.0,67.9
chr3	41277135	41277350	CTNNB1	NM_001904	15	14	11	120	181	8270	38,29	100
chr3	41277800	41278154	CTNNB1	NM_001904	15	14	12,13	151.122	853	41294	116,32	100.0,62.3
chr3	41279511	41279684	CTNNB1	NM_001904	15	14	14	61	281	11829	67,98	93,4
chr3	41280634	41280929	CTNNB1	NM_001904	15	14	15	209	436	19241	65	95,7
chr3	43408233	43408513	ANO10	NM_018075	13	12	13	69	1159	48979	174,3	100
chr3	43474033	43474242	ANO10	NM_018075	13	12	12	117	246	10980	52,29	100
chr3	43591190	43591360	ANO10	NM_018075	13	12	11	129	416	17725	103,65	100
chr3	43596777	43596971	ANO10	NM_018075	13	12	10	192	530	22503	115,4	96,4
chr3	43602687	43602860	ANO10	NM_018075	13	12	9	183	547	23154	133,07	81,4
chr3	43607090	43607266	ANO10	NM_018075	13	12	8	75	75	3435	19,41	100
chr3	43616273	43616467	ANO10	NM_018075	13	12	7	56	115	4726	24,24	100
chr3	43618153	43618762	ANO10	NM_018075	13	12	6	570	2838	137638	225,64	100
chr3	43621744	43621935	ANO10	NM_018075	13	12	5	120	584	26157	136,23	75,8
chr3	43639951	43640154	ANO10	NM_018075	13	12	4	135	105	4380	21,47	97
chr3	43641919	43642149	ANO10	NM_018075	13	12	3	198	55	2300	9,96	78,3
chr3	43647146	43647358	ANO10	NM_018075	13	12	2	139	274	11039	51,83	100
chr3	43732368	43732568	ABHD5	NM_016006	7	7	1	47	8	366	1,82	100
chr3	43740650	43740853	ABHD5	NM_016006	7	7	2	86	681	30130	147,7	100
chr3	43743727	43744060	ABHD5	NM_016006	7	7	3	373	864	41860	125,33	89,5
chr3	43753162	43753392	ABHD5	NM_016006	7	7	4	155	241	10609	45,93	100
chr3	43756379	43756555	ABHD5	NM_016006	7	7	5	112	275	11000	62,15	100
chr3	43759095	43759292	ABHD5	NM_016006	7	7	6	187	374	15911	80,36	69,5
chr3	43759891	43760156	ABHD5	NM_016006	7	7	7	90	555	25751	96,81	100
chr3	48507802	48509116	TREX1	NM_016381	1	1	1	1110	4166	198745	151,14	100
chr3	49454661	49455504	AMT	NM_000481	9	9	9,8	179.156	1879	89994	106,63	100.0,100.0
chr3	49456430	49456870	AMT	NM_000481	9	9	7,6	181.146	2640	126646	287,18	85.6,100.0
chr3	49457006	49457227	AMT	NM_000481	9	9	5	79	437	18325	82,55	100
chr3	49457543	49457740	AMT	NM_000481	9	9	4	132	596	25234	127,44	73,5
chr3	49458939	49459133	AMT	NM_000481	9	9	3	81	2159	91812	470,83	82,7
chr3	49459371	49459980	AMT	NM_000481	9	9	2,1	168,90	1574	74288	121,78	100.0,100.0
chr3	52109755	52109940	POC1A	NM_001161581	11	9	11	99	1486	66772	358,99	38,4
chr3	52130628	52130831	POC1A	NM_001161581	11	9	10	144	66	2957	14,5	70,1
chr3	52156388	52156564	POC1A	NM_001161581	11	9	9	99	584	25860	146,1	100
chr3	52159107	52159286	POC1A	NM_001161581	11	9	8	69	481	20879	115,99	100
chr3	52172154	52172342	POC1A	NM_001161581	11	9	7	134	503	22165	117,28	100
chr3	52179888	52180076	POC1A	NM_001161581	11	9	6	116	516	22677	119,98	77,6
chr3	52180972	52181160	POC1A	NM_001161581	11	9	5	108	524	22179	117,35	100
chr3	52183242	52183457	POC1A	NM_001161581	11	9	4	180	655	27773	128,58	91,1
chr3	52183796	52183993	POC1A	NM_001161581	11	9	3	161	677	28829	145,6	100

chr3	52184973	52185161	POC1A	NM_001161581	11	9	2	156	340	14441	76,41	83,3
chr3	52188432	52188552	POC1A	NM_001161581	11	9	1	336	30	1224	10,12	36
chr3	53125850	53126041	RFT1	NM_052859	13	13	13	168	287	12950	67,45	73,2
chr3	53126432	53126700	RFT1	NM_052859	13	13	12	250	51	2134	7,93	81,2
chr3	53133274	53133486	RFT1	NM_052859	13	13	11	106	270	11759	55,21	84,9
chr3	53137871	53138071	RFT1	NM_052859	13	13	10	145	297	12879	64,07	71
chr3	53139584	53139787	RFT1	NM_052859	13	13	9	131	662	28851	141,43	75,6
chr3	53140813	53141031	RFT1	NM_052859	13	13	8	51	287	11633	53,12	100
chr3	53145814	53146014	RFT1	NM_052859	13	13	7	79	249	11281	56,12	100
chr3	53153871	53154056	RFT1	NM_052859	13	13	6	138	210	8682	46,68	100
chr3	53155594	53155886	RFT1	NM_052859	13	13	5	102	281	13326	45,48	100
chr3	53156402	53156623	RFT1	NM_052859	13	13	4	190	333	14722	66,32	93,7
chr3	53157772	53157954	RFT1	NM_052859	13	13	3	117	158	6656	36,37	72,6
chr3	53159909	53160097	RFT1	NM_052859	13	13	2	86	354	15218	80,52	100
chr3	53164389	53164583	RFT1	NM_052859	13	13	1	63	158	6829	35,02	44,4
chr3	57232128	57232568	HESX1	NM_003865	4	4	4,3	99.102	591	26794	60,76	100.0,100.0
chr3	57232705	57232908	HESX1	NM_003865	4	4	2	200	363	15046	73,75	64
chr3	57233721	57233986	HESX1	NM_003865	4	4	1	157	426	19878	74,73	100
chr3	71008278	71008558	FOXP1	NM_001244810	21	16	21	145	1123	51207	182,23	100
chr3	71015086	71015277	FOXP1	NM_001244810	21	16	20	167	478	19767	102,95	73,1
chr3	71019878	71020078	FOXP1	NM_001244810	21	16	19	70	254	10093	50,21	100
chr3	71021253	71021474	FOXP1	NM_001244810	21	16	18	170	136	5666	25,52	46,5
chr3	71026105	71026302	FOXP1	NM_001244810	21	16	17	102	362	15909	80,35	87,3
chr3	71026820	71027266	FOXP1	NM_001244810	21	16	16,15	80.202	970	46430	103,87	67.5,100.0
chr3	71037083	71037301	FOXP1	NM_001244810	21	16	14	84	169	7271	33,2	100
chr3	71050078	71050251	FOXP1	NM_001244810	21	16	13	88	459	18932	108,8	100
chr3	71064579	71064785	FOXP1	NM_001244810	21	16	12	105	219	9707	46,89	81,9
chr3	71090531	71090740	FOXP1	NM_001244810	21	16	11	205	374	16436	78,27	74,6
chr3	71096136	71096333	FOXP1	NM_001244810	21	16	10	154	176	7256	36,65	72,1
chr3	71101626	71101817	FOXP1	NM_001244810	21	16	9	90	312	12239	63,74	100
chr3	71102830	71103006	FOXP1	NM_001244810	21	16	8	138	399	16949	95,76	68,8
chr3	71161592	71161777	FOXP1	NM_001244810	21	16	7	102	711	30536	164,17	89,2
chr3	71246970	71247502	FOXP1	NM_001244810	21	16	6	180	1060	50553	94,85	83,3
chr3	93699156	93699276	ARL13B	NM_001174150	10	10	1	59	46	1739	14,37	15,3
chr3	93714664	93714840	ARL13B	NM_001174150	10	10	2	71	135	5878	33,21	100
chr3	93722499	93722758	ARL13B	NM_001174150	10	10	3	250	333	15446	59,41	100
chr3	93754166	93754348	ARL13B	NM_001174150	10	10	4	106	183	7265	39,7	100
chr3	93755426	93755629	ARL13B	NM_001174150	10	10	5	203	116	5073	24,87	85,2
chr3	93758662	93758877	ARL13B	NM_001174150	10	10	6	109	224	8749	40,5	100
chr3	93761846	93762099	ARL13B	NM_001174150	10	10	7	226	78	3075	12,11	100
chr3	93768234	93768437	ARL13B	NM_001174150	10	10	8	117	118	5372	26,33	100
chr3	93769580	93769780	ARL13B	NM_001174150	10	10	9	69	256	11693	58,17	100
chr3	93771958	93772220	ARL13B	NM_001174150	10	10	10	77	578	26583	101,08	100
chr3	97486909	97487085	ARL6	NM_177976	9	7	3	123	241	10380	58,64	100
chr3	97498945	97499139	ARL6	NM_177976	9	7	4	62	225	9889	50,71	100
chr3	97499431	97499619	ARL6	NM_177976	9	7	5	69	418	18883	99,91	100
chr3	97503787	97503969	ARL6	NM_177976	9	7	6	95	810	34258	187,2	100
chr3	97506837	97507028	ARL6	NM_177976	9	7	7	130	269	11166	58,16	97,7
chr3	97510551	97510730	ARL6	NM_177976	9	7	8	56	233	9947	55,26	100
chr3	97516862	97517065	ARL6	NM_177976	9	7	9	26	268	11038	54,11	100
chr3	128598504	128598873	ACAD9	NM_014049	18	18	1	150	520	25268	68,29	100
chr3	128603514	128603705	ACAD9	NM_014049	18	18	2	94	481	21097	109,88	80,9
chr3	128612349	128612558	ACAD9	NM_014049	18	18	3	102	358	14111	67,2	100
chr3	128614033	128614230	ACAD9	NM_014049	18	18	4	107	95	3805	19,22	72,9
chr3	128615168	128615353	ACAD9	NM_014049	18	18	5	101	576	24197	130,09	74,3
chr3	128616360	128616536	ACAD9	NM_014049	18	18	6	79	809	35379	199,88	78,5
chr3	128618116	128618310	ACAD9	NM_014049	18	18	7	175	379	17029	87,33	100

chr3	128620022	128620210	ACAD9	NM_014049	18	18	8	74	350	14719	77,88	100
chr3	128621265	128621489	ACAD9	NM_014049	18	18	9	76	314	13493	59,97	100
chr3	128622839	128623045	ACAD9	NM_014049	18	18	10	71	786	34933	168,76	100
chr3	128623125	128623316	ACAD9	NM_014049	18	18	11	120	506	20537	106,96	73,3
chr3	128624924	128625127	ACAD9	NM_014049	18	18	12	129	181	7748	37,98	100
chr3	128627001	128627207	ACAD9	NM_014049	18	18	13	80	346	14451	69,81	100
chr3	128627805	128628023	ACAD9	NM_014049	18	18	14	127	585	25052	114,39	100
chr3	128628149	128628370	ACAD9	NM_014049	18	18	15	78	417	17683	79,65	100
chr3	128628809	128629169	ACAD9	NM_014049	18	18	16	129	200	9346	25,89	100
chr3	128629498	128629674	ACAD9	NM_014049	18	18	17	73	786	31742	179,33	100
chr3	128631427	128631757	ACAD9	NM_014049	18	18	18	101	1083	47025	142,07	23,8
chr3	139062799	139063002	MRPS22	NM_020191	8	8	1	172	291	12845	62,97	77,9
chr3	139065747	139065953	MRPS22	NM_020191	8	8	2	167	266	11316	54,67	83,8
chr3	139067046	139067252	MRPS22	NM_020191	8	8	3	165	570	23455	113,31	73,3
chr3	139068941	139069144	MRPS22	NM_020191	8	8	4	144	287	12284	60,22	86,1
chr3	139069772	139069945	MRPS22	NM_020191	8	8	5	84	566	24324	139,79	100
chr3	139071392	139071586	MRPS22	NM_020191	8	8	6	146	105	4916	25,21	67,1
chr3	139074380	139074565	MRPS22	NM_020191	8	8	7	109	685	28696	154,28	38,5
chr3	139075735	139075908	MRPS22	NM_020191	8	8	8	96	73	2467	14,18	100
chr3	142168214	142168485	ATR	NM_001184	47	47	47	174	292	13066	48,04	100
chr3	142171823	142172088	ATR	NM_001184	47	47	46	106	548	25016	94,05	100
chr3	142176415	142176615	ATR	NM_001184	47	47	45	152	799	34499	171,64	100
chr3	142177849	142178289	ATR	NM_001184	47	47	44,43	154.157	505	24333	55,18	68.2,100.0
chr3	142180738	142180920	ATR	NM_001184	47	47	42	151	497	21967	120,04	92,1
chr3	142183916	142184095	ATR	NM_001184	47	47	41	144	216	10075	55,97	100
chr3	142185140	142185331	ATR	NM_001184	47	47	40	210	1349	60358	314,36	79
chr3	142186724	142186915	ATR	NM_001184	47	47	39	135	412	17981	93,65	100
chr3	142188160	142188428	ATR	NM_001184	47	47	38	233	482	22325	82,99	100
chr3	142188852	142189031	ATR	NM_001184	47	47	37	98	631	27133	150,74	100
chr3	142203934	142204107	ATR	NM_001184	47	47	36	143	682	29499	169,53	88,1
chr3	142211966	142212160	ATR	NM_001184	47	47	35	180	335	15109	77,48	100
chr3	142215257	142215433	ATR	NM_001184	47	47	34	160	73	3105	17,54	66,2
chr3	142215802	142216029	ATR	NM_001184	47	47	33	180	336	13469	59,07	97,2
chr3	142217451	142217663	ATR	NM_001184	47	47	32	178	177	7564	35,51	93,3
chr3	142218420	142218605	ATR	NM_001184	47	47	31	92	1460	64934	349,11	100
chr3	142222155	142222334	ATR	NM_001184	47	47	30	92	274	11410	63,39	100
chr3	142223962	142224162	ATR	NM_001184	47	47	29	165	389	17991	89,51	100
chr3	142226791	142226979	ATR	NM_001184	47	47	28	179	170	7346	38,87	89,9
chr3	142231103	142231318	ATR	NM_001184	47	47	27	211	171	7259	33,61	99,5
chr3	142232290	142232484	ATR	NM_001184	47	47	26	138	366	16083	82,48	100
chr3	142234157	142234360	ATR	NM_001184	47	47	25	121	137	5470	26,81	100
chr3	142238471	142238674	ATR	NM_001184	47	47	24	116	352	15342	75,21	100
chr3	142241511	142241702	ATR	NM_001184	47	47	23	114	423	18531	96,52	100
chr3	142242837	142243046	ATR	NM_001184	47	47	22	207	818	36602	174,3	99
chr3	142253920	142254114	ATR	NM_001184	47	47	21	126	187	7492	38,42	100
chr3	142254884	142255081	ATR	NM_001184	47	47	20	94	293	11927	60,24	100
chr3	142257310	142257510	ATR	NM_001184	47	47	19	144	163	6945	34,55	100
chr3	142259713	142259913	ATR	NM_001184	47	47	18	131	558	25394	126,34	100
chr3	142261434	142261607	ATR	NM_001184	47	47	17	93	318	13221	75,98	100
chr3	142266544	142266732	ATR	NM_001184	47	47	16	186	229	9961	52,7	89,2
chr3	142268392	142268568	ATR	NM_001184	47	47	15	195	129	5714	32,28	63,6
chr3	142268979	142269191	ATR	NM_001184	47	47	14	171	170	7087	33,27	97,1
chr3	142272069	142272251	ATR	NM_001184	47	47	13	172	430	18672	102,03	100
chr3	142272449	142272892	ATR	NM_001184	47	47	12,11	101.191	1041	49203	110,82	100.0,100.0
chr3	142274739	142275019	ATR	NM_001184	47	47	10	263	871	35577	126,61	92,4
chr3	142275208	142275435	ATR	NM_001184	47	47	9	193	226	9956	43,67	100
chr3	142277453	142277626	ATR	NM_001184	47	47	8	153	2024	84113	483,41	100

chr3	142278123	142278302	ATR	NM_001184	47	47	7	191	417	17480	97,11	84,3
chr3	142279052	142279240	ATR	NM_001184	47	47	6	192	344	15041	79,58	70,8
chr3	142280031	142280237	ATR	NM_001184	47	47	5	179	619	26883	129,87	85,5
chr3	142281076	142282002	ATR	NM_001184	47	47	4	878	1892	90158	97,26	99,8
chr3	142284905	142285108	ATR	NM_001184	47	47	3	141	333	13517	66,26	100
chr3	142286880	142287077	ATR	NM_001184	47	47	2	92	168	6979	35,25	100
chr3	142297419	142297622	ATR	NM_001184	47	47	1	59	161	7304	35,8	100
chr3	155545916	155546101	SLC33A1	NM_001190992	7	6	6	168	419	18144	97,55	61,3
chr3	155547450	155547709	SLC33A1	NM_001190992	7	6	5	216	603	28030	107,81	100
chr3	155551194	155551376	SLC33A1	NM_001190992	7	6	4	118	379	15879	86,77	100
chr3	155551634	155551840	SLC33A1	NM_001190992	7	6	3	185	306	12909	62,36	100
chr3	155560214	155560405	SLC33A1	NM_001190992	7	6	2	188	48	1956	10,19	98,4
chr3	155570969	155571883	SLC33A1	NM_001190992	7	6	1	775	1300	61869	67,62	100
chr3	180703579	180703785	DNAJC19	NM_145261	6	6	5	71	532	22568	109,02	100
chr3	180704745	180704915	DNAJC19	NM_145261	6	6	4	80	184	7949	46,49	82,5
chr3	180705843	180706055	DNAJC19	NM_145261	6	6	3,2	74,52	402	18163	85,27	56.8,100.0
chr3	182733134	182733420	MCCC1	NM_020166	19	19	19	129	1860	87882	306,21	100
chr3	182734965	182735159	MCCC1	NM_020166	19	19	18	72	395	16957	86,96	100
chr3	182737871	182738071	MCCC1	NM_020166	19	19	17	108	216	7781	38,71	100
chr3	182740143	182740343	MCCC1	NM_020166	19	19	16	138	533	23706	117,94	100
chr3	182743419	182743619	MCCC1	NM_020166	19	19	15	50	665	29434	146,44	100
chr3	182751646	182751858	MCCC1	NM_020166	19	19	14	87	48	1890	8,87	92
chr3	182754934	182755238	MCCC1	NM_020166	19	19	13	217	724	32871	107,77	100
chr3	182756840	182757013	MCCC1	NM_020166	19	19	12	110	1091	45986	264,29	76,4
chr3	182759403	182759621	MCCC1	NM_020166	19	19	11	184	94	4130	18,86	73,9
chr3	182763167	182763349	MCCC1	NM_020166	19	19	10	128	420	17837	97,47	100
chr3	182769878	182770084	MCCC1	NM_020166	19	19	9	82	645	26438	127,72	100
chr3	182775009	182775239	MCCC1	NM_020166	19	19	8	112	167	6973	30,19	100
chr3	182788740	182789070	MCCC1	NM_020166	19	19	7,6	122.148	1664	69086	208,72	100.0,49.3
chr3	182790075	182790284	MCCC1	NM_020166	19	19	5	122	93	3904	18,59	100
chr3	182804389	182804610	MCCC1	NM_020166	19	19	4	96	169	7976	35,93	100
chr3	182810149	182810370	MCCC1	NM_020166	19	19	3	137	497	22418	100,98	100
chr3	182812272	182812454	MCCC1	NM_020166	19	19	2	47	810	35616	194,62	100
chr3	182817191	182817373	MCCC1	NM_020166	19	19	1	89	175	6878	37,58	42,7
chr3	183960193	183960692	ALG3	NM_005787	9	9	9,8	163.145	1792	84745	169,49	100.0,63.4
chr3	183961290	183961706	ALG3	NM_005787	9	9	7,6	77.206	1986	90786	217,71	100.0,62.1
chr3	183962423	183962602	ALG3	NM_005787	9	9	5	121	98	4212	23,4	71,9
chr3	183962886	183963649	ALG3	NM_005787	9	9	4,3,2	161.148.100	2208	105209	137,71	100.0,100.0,100.0
chr3	183966525	183967110	ALG3	NM_005787	9	9	1	196	2747	128768	219,74	100
chr4	980526	980978	IDUA	NM_000203	14	14	1	158	339	14692	32,43	67,1
chr4	981453	981831	IDUA	NM_000203	14	14	2	141	147	5778	15,25	100
chr4	994344	994775	IDUA	NM_000203	14	14	3,4	86.108	296	13530	31,32	100.0,98.1
chr4	995173	996235	IDUA	NM_000203	14	14	5,6,7,8	96.203.180.217	946	44322	41,7	100.0,100.0,100.0,82.5
chr4	996479	996922	IDUA	NM_000203	14	14	9,10	213.122	2	90	0,2	100.0,81.1
chr4	997207	997481	IDUA	NM_000203	14	14	11,12	126,77	67	2934	10,67	41.3,100.0
chr4	997845	998300	IDUA	NM_000203	14	14	13,14	101.134	569	26064	57,16	55.4,100.0
chr4	1795066	1795281	FGFR3	NM_001163213	18	17	1	154	0	0	0	82,5
chr4	1795628	1795825	FGFR3	NM_001163213	18	17	2	109	17	695	3,51	100
chr4	1800903	1801195	FGFR3	NM_001163213	18	17	3	279	92	4017	13,71	79,6
chr4	1801373	1801564	FGFR3	NM_001163213	18	17	4	66	79	3399	17,7	100
chr4	1803019	1803717	FGFR3	NM_001163213	18	17	5,6,7	170.124.191	132	5542	7,93	100.0,100.0,81.7
chr4	1804624	1804809	FGFR3	NM_001163213	18	17	8	151	41	1877	10,09	100
chr4	1806045	1806263	FGFR3	NM_001163213	18	17	9	191	93	4263	19,47	100
chr4	1806492	1806677	FGFR3	NM_001163213	18	17	10	146	25	1187	6,38	87
chr4	1807082	1808076	FGFR3	NM_001163213	18	17	11,12,13,14,15	122,111,191,123,71	479	22086	22,2	100.0,100.0,100.0,100.0,100.0
chr4	1808323	1809474	FGFR3	NM_001163213	18	17	16,17,18	138.106.147	418	19200	16,67	63.8,100.0,100.0
chr4	15477439	15477621	CC2D2A	NM_001080522	38	36	3	39	126	5207	28,45	100

chr4	15480222	15480422	CC2D2A	NM_001080522	38	36	4	84	213	8915	44,35	90,5
chr4	15482349	15482558	CC2D2A	NM_001080522	38	36	5	124	407	17479	83,23	83,1
chr4	15504019	15504240	CC2D2A	NM_001080522	38	36	6	89	159	7126	32,1	100
chr4	15504380	15504610	CC2D2A	NM_001080522	38	36	7	102	344	13504	58,46	100
chr4	15511670	15511882	CC2D2A	NM_001080522	38	36	8	102	201	8065	37,86	100
chr4	15512820	15513079	CC2D2A	NM_001080522	38	36	9	177	474	20953	80,59	100
chr4	15516295	15516519	CC2D2A	NM_001080522	38	36	10	163	380	16170	71,87	100
chr4	15517410	15517583	CC2D2A	NM_001080522	38	36	11	137	89	3671	21,1	67,9
chr4	15518198	15518422	CC2D2A	NM_001080522	38	36	12	132	370	16238	72,17	100
chr4	15529125	15529334	CC2D2A	NM_001080522	38	36	13	210	233	10422	49,63	73,8
chr4	15530198	15530380	CC2D2A	NM_001080522	38	36	14	107	372	16629	90,87	100
chr4	15534800	15534970	CC2D2A	NM_001080522	38	36	15	141	60	2486	14,54	100
chr4	15538520	15538708	CC2D2A	NM_001080522	38	36	16	157	35	1542	8,16	100
chr4	15539440	15539720	CC2D2A	NM_001080522	38	36	17	239	139	6547	23,3	83,3
chr4	15542385	15542600	CC2D2A	NM_001080522	38	36	18	178	264	10969	50,78	79,2
chr4	15552448	15552663	CC2D2A	NM_001080522	38	36	19	157	284	12307	56,98	99,4
chr4	15554829	15555014	CC2D2A	NM_001080522	38	36	20	148	235	10499	56,45	67,6
chr4	15556594	15556797	CC2D2A	NM_001080522	38	36	21	139	204	8434	41,34	74,1
chr4	15558949	15559149	CC2D2A	NM_001080522	38	36	22	204	257	11225	55,85	89,2
chr4	15560760	15560975	CC2D2A	NM_001080522	38	36	23	93	326	15011	69,5	100
chr4	15562039	15562248	CC2D2A	NM_001080522	38	36	24	92	84	3505	16,69	100
chr4	15564901	15565089	CC2D2A	NM_001080522	38	36	25	168	385	15690	83,02	66,7
chr4	15568898	15569083	CC2D2A	NM_001080522	38	36	26	106	272	12304	66,15	79,2
chr4	15569254	15569445	CC2D2A	NM_001080522	38	36	27	110	330	14620	76,15	100
chr4	15570824	15571027	CC2D2A	NM_001080522	38	36	28	97	458	20101	98,53	100
chr4	15571930	15572136	CC2D2A	NM_001080522	38	36	29	99	251	10596	51,19	100
chr4	15575784	15576002	CC2D2A	NM_001080522	38	36	30	177	328	14364	65,59	93,8
chr4	15581667	15581840	CC2D2A	NM_001080522	38	36	31	204	885	37326	214,52	62,7
chr4	15587712	15587927	CC2D2A	NM_001080522	38	36	32	90	566	26252	121,54	100
chr4	15589416	15589640	CC2D2A	NM_001080522	38	36	33	114	411	17738	78,84	100
chr4	15591104	15591295	CC2D2A	NM_001080522	38	36	34	135	466	19956	103,94	94,8
chr4	15597596	15597823	CC2D2A	NM_001080522	38	36	35	123	891	35877	157,36	94,3
chr4	15598982	15599182	CC2D2A	NM_001080522	38	36	36	59	365	14831	73,79	100
chr4	15601158	15601379	CC2D2A	NM_001080522	38	36	37	178	292	12756	57,46	96,6
chr4	15602794	15603133	CC2D2A	NM_001080522	38	36	38	189	524	25189	74,09	100
chr4	56212389	56212675	SRD5A3	NM_024592	5	5	1	221	18	752	2,62	77,8
chr4	56225558	56225740	SRD5A3	NM_024592	5	5	2	143	895	36429	199,07	68,5
chr4	56230164	56230382	SRD5A3	NM_024592	5	5	3	198	843	37393	170,74	71,7
chr4	56233679	56233888	SRD5A3	NM_024592	5	5	4	135	134	5352	25,49	99,3
chr4	56235924	56236364	SRD5A3	NM_024592	5	5	5	260	1632	77891	176,62	100
chr4	56262296	56262579	TMEM165	NM_018475	6	6	1	207	5	194	0,68	100
chr4	56277822	56278105	TMEM165	NM_018475	6	6	2	226	457	20662	72,75	81,9
chr4	56283220	56283420	TMEM165	NM_018475	6	6	3	176	356	15098	75,11	100
chr4	56283993	56284178	TMEM165	NM_018475	6	6	4	183	397	17032	91,57	87,4
chr4	56290729	56290905	TMEM165	NM_018475	6	6	5	106	140	5897	33,32	77,4
chr4	56291456	56291739	TMEM165	NM_018475	6	6	6	77	786	36912	129,97	100
chr4	56818261	56818464	CEP135	NM_025009	26	24	2	113	223	9141	44,81	100
chr4	56819248	56819448	CEP135	NM_025009	26	24	3	191	53	1894	9,42	100
chr4	56820380	56820568	CEP135	NM_025009	26	24	4	168	188	8321	44,03	100
chr4	56823350	56823565	CEP135	NM_025009	26	24	5	142	883	38501	178,25	100
chr4	56825800	56826133	CEP135	NM_025009	26	24	6	85	656	31473	94,23	100
chr4	56830385	56830573	CEP135	NM_025009	26	24	7	129	375	16161	85,51	100
chr4	56831777	56832075	CEP135	NM_025009	26	24	8	216	418	19059	63,74	100
chr4	56835116	56835331	CEP135	NM_025009	26	24	9	66	43	1983	9,18	100
chr4	56837419	56837592	CEP135	NM_025009	26	24	10	139	177	6998	40,22	100
chr4	56840889	56841163	CEP135	NM_025009	26	24	11	224	461	19169	69,71	100
chr4	56846218	56846427	CEP135	NM_025009	26	24	12	153	108	4554	21,69	77,8

chr4	56847350	56847526	CEP135	NM_025009	26	24	13	153	167	7030	39,72	87,6
chr4	56851361	56851558	CEP135	NM_025009	26	24	14	78	264	11949	60,35	100
chr4	56858120	56858302	CEP135	NM_025009	26	24	15	152	321	12168	66,49	86,8
chr4	56865432	56865786	CEP135	NM_025009	26	24	16,17	116.155	186	9037	25,46	100,0,83.9
chr4	56874486	56874689	CEP135	NM_025009	26	24	18	56	571	23986	117,58	100
chr4	56875872	56876081	CEP135	NM_025009	26	24	19	169	186	7965	37,93	100
chr4	56877577	56877762	CEP135	NM_025009	26	24	20	111	84	2779	14,94	100
chr4	56877946	56878161	CEP135	NM_025009	26	24	21	186	131	5368	24,85	100
chr4	56883797	56883976	CEP135	NM_025009	26	24	22	210	92	4161	23,12	77,6
chr4	56885585	56885767	CEP135	NM_025009	26	24	23	203	513	23242	127,01	67,5
chr4	56886778	56886963	CEP135	NM_025009	26	24	24	105	299	11937	64,18	100
chr4	56890694	56890888	CEP135	NM_025009	26	24	25	103	579	25876	132,7	73,8
chr4	72102244	72102441	SLC4A4	NM_001134742	25	24	2	73	135	5736	28,97	100
chr4	72120971	72121141	SLC4A4	NM_001134742	25	24	3	180	129	4873	28,5	81,1
chr4	72204873	72205153	SLC4A4	NM_001134742	25	24	4	136	1006	45242	161	49,3
chr4	72215596	72215823	SLC4A4	NM_001134742	25	24	5	161	427	19084	83,7	100
chr4	72222669	72222842	SLC4A4	NM_001134742	25	24	6	180	267	12387	71,19	65,6
chr4	72263246	72263419	SLC4A4	NM_001134742	25	24	7	77	498	21178	121,71	100
chr4	72306260	72306442	SLC4A4	NM_001134742	25	24	8	158	388	17395	95,05	69,6
chr4	72313300	72313512	SLC4A4	NM_001134742	25	24	9	88	422	18814	88,33	100
chr4	72316079	72316288	SLC4A4	NM_001134742	25	24	10	155	324	13494	64,26	100
chr4	72316810	72316986	SLC4A4	NM_001134742	25	24	11	114	58	2491	14,07	71,9
chr4	72319186	72319389	SLC4A4	NM_001134742	25	24	12	175	200	8460	41,47	100
chr4	72332118	72332318	SLC4A4	NM_001134742	25	24	13	134	574	23320	116,02	100
chr4	72338384	72338904	SLC4A4	NM_001134742	25	24	14	272	1214	57718	110,78	100
chr4	72352656	72352874	SLC4A4	NM_001134742	25	24	15	71	149	6873	31,38	100
chr4	72363213	72363401	SLC4A4	NM_001134742	25	24	16	192	668	26658	141,05	95,8
chr4	72397768	72397965	SLC4A4	NM_001134742	25	24	17	114	388	16986	85,79	100
chr4	72399882	72400100	SLC4A4	NM_001134742	25	24	18	162	280	11730	53,56	96,9
chr4	72411998	72412198	SLC4A4	NM_001134742	25	24	19	179	798	34650	172,39	73,7
chr4	72413297	72413500	SLC4A4	NM_001134742	25	24	20	73	331	14038	68,81	100
chr4	72420805	72420987	SLC4A4	NM_001134742	25	24	21	69	461	20346	111,18	100
chr4	72423481	72423669	SLC4A4	NM_001134742	25	24	22	174	625	28276	149,61	70,1
chr4	72425778	72425984	SLC4A4	NM_001134742	25	24	23	162	159	6488	31,34	100
chr4	72432695	72432886	SLC4A4	NM_001134742	25	24	24	80	562	22811	118,81	100
chr4	72433498	72433674	SLC4A4	NM_001134742	25	24	25	106	242	10729	60,62	100
chr4	78979008	78979226	FRAS1	NM_025074	74	74	1	76	144	6667	30,44	82,9
chr4	78987024	78987239	FRAS1	NM_025074	74	74	2	32	349	14544	67,33	100
chr4	79158605	79158829	FRAS1	NM_025074	74	74	3	108	567	23498	104,44	100
chr4	79166286	79166492	FRAS1	NM_025074	74	74	4	93	397	16324	78,86	100
chr4	79173453	79173671	FRAS1	NM_025074	74	74	5	160	370	16026	73,18	78,8
chr4	79176422	79176634	FRAS1	NM_025074	74	74	6	134	288	12628	59,29	80,6
chr4	79186057	79186248	FRAS1	NM_025074	74	74	7	84	236	10439	54,37	83,3
chr4	79187893	79188066	FRAS1	NM_025074	74	74	8	102	175	7658	44,01	77,5
chr4	79188423	79188629	FRAS1	NM_025074	74	74	9	192	734	31886	154,04	85,4
chr4	79199708	79199893	FRAS1	NM_025074	74	74	10	90	1056	46813	251,68	94,4
chr4	79202499	79202711	FRAS1	NM_025074	74	74	11	36	79	3154	14,81	100
chr4	79203875	79204075	FRAS1	NM_025074	74	74	12	148	169	6867	34,16	68,9
chr4	79205482	79205658	FRAS1	NM_025074	74	74	13	144	1158	50555	285,62	69,4
chr4	79207465	79207653	FRAS1	NM_025074	74	74	14	135	284	11929	63,12	70,4
chr4	79229122	79229319	FRAS1	NM_025074	74	74	15	144	159	6958	35,14	69,4
chr4	79236651	79236848	FRAS1	NM_025074	74	74	16	141	1321	58511	295,51	71,6
chr4	79238566	79238748	FRAS1	NM_025074	74	74	17	141	435	17730	96,89	68,8
chr4	79239882	79240103	FRAS1	NM_025074	74	74	18	177	131	5428	24,45	79,1
chr4	79254458	79254658	FRAS1	NM_025074	74	74	19	141	544	21649	107,71	77,3
chr4	79258883	79259092	FRAS1	NM_025074	74	74	20	144	945	41930	199,67	61,8
chr4	79284699	79284905	FRAS1	NM_025074	74	74	21	153	235	10814	52,24	79,1

chr4	79285103	79285300	FRAS1	NM_025074	74	74	22	147	449	19397	97,96	72,1
chr4	79291039	79291215	FRAS1	NM_025074	74	74	23	147	1315	55948	316,09	68
chr4	79293769	79293966	FRAS1	NM_025074	74	74	24	141	59	2265	11,44	67,4
chr4	79295309	79295503	FRAS1	NM_025074	74	74	25	141	126	5129	26,3	68,8
chr4	79296928	79297116	FRAS1	NM_025074	74	74	26	141	503	21940	116,08	75,2
chr4	79300820	79301109	FRAS1	NM_025074	74	74	27	271	1499	68195	235,16	84,9
chr4	79305196	79305375	FRAS1	NM_025074	74	74	28	85	277	10986	61,03	100
chr4	79308436	79308826	FRAS1	NM_025074	74	74	29	327	1303	60825	155,56	91,1
chr4	79321852	79322073	FRAS1	NM_025074	74	74	30	154	181	8095	36,46	100
chr4	79328730	79328945	FRAS1	NM_025074	74	74	31	179	484	20439	94,63	72,1
chr4	79334011	79334226	FRAS1	NM_025074	74	74	32	117	535	21817	101	88,9
chr4	79340026	79340244	FRAS1	NM_025074	74	74	33	115	530	24544	112,07	100
chr4	79342910	79343119	FRAS1	NM_025074	74	74	34	138	633	28165	134,12	74,6
chr4	79345388	79345582	FRAS1	NM_025074	74	74	35	33	415	18676	95,77	100
chr4	79350289	79350489	FRAS1	NM_025074	74	74	36	132	231	9809	48,8	69,7
chr4	79351378	79351563	FRAS1	NM_025074	74	74	37	126	316	13343	71,74	93,7
chr4	79353461	79353741	FRAS1	NM_025074	74	74	38	248	420	19819	70,53	93,1
chr4	79359673	79359861	FRAS1	NM_025074	74	74	39	149	1202	52985	280,34	92,6
chr4	79360066	79360266	FRAS1	NM_025074	74	74	40	163	725	30147	149,99	93,9
chr4	79362238	79362411	FRAS1	NM_025074	74	74	41	136	134	5230	30,06	70,6
chr4	79366633	79367058	FRAS1	NM_025074	74	74	42	191	1725	81278	190,79	100
chr4	79367738	79368024	FRAS1	NM_025074	74	74	43	154	262	11531	40,18	93,5
chr4	79369138	79369433	FRAS1	NM_025074	74	74	44	264	202	9538	32,22	86
chr4	79371234	79371452	FRAS1	NM_025074	74	74	45	189	2146	91904	419,65	78,3
chr4	79372855	79373055	FRAS1	NM_025074	74	74	46	120	443	20175	100,37	100
chr4	79373261	79373461	FRAS1	NM_025074	74	74	47	180	478	19626	97,64	73,9
chr4	79385076	79385276	FRAS1	NM_025074	74	74	48	125	105	4547	22,62	81,6
chr4	79385503	79385709	FRAS1	NM_025074	74	74	49	141	1136	48651	235,03	80,1
chr4	79387401	79387678	FRAS1	NM_025074	74	74	50	228	1523	66802	240,29	82,9
chr4	79391022	79391213	FRAS1	NM_025074	74	74	51	114	1384	62842	327,3	71,9
chr4	79393245	79393433	FRAS1	NM_025074	74	74	52	151	651	27687	146,49	66,2
chr4	79394574	79394771	FRAS1	NM_025074	74	74	53	160	716	31551	159,35	100
chr4	79396503	79396700	FRAS1	NM_025074	74	74	54	169	292	12844	64,87	64,5
chr4	79399005	79399294	FRAS1	NM_025074	74	74	55	247	438	20452	70,52	85,4
chr4	79400459	79400807	FRAS1	NM_025074	74	74	56	345	2023	89854	257,46	81,2
chr4	79402877	79403068	FRAS1	NM_025074	74	74	57	161	1274	52995	276,02	68,9
chr4	79403581	79403766	FRAS1	NM_025074	74	74	58	148	139	5878	31,6	73,6
chr4	79410106	79410288	FRAS1	NM_025074	74	74	59	206	514	22870	124,97	62,6
chr4	79417927	79418151	FRAS1	NM_025074	74	74	60	157	374	16389	72,84	100
chr4	79420931	79421146	FRAS1	NM_025074	74	74	61	201	205	8977	41,56	72,1
chr4	79428523	79428699	FRAS1	NM_025074	74	74	62	188	622	27170	153,5	66,5
chr4	79429825	79430102	FRAS1	NM_025074	74	74	63	276	1201	56541	203,38	79
chr4	79432350	79432645	FRAS1	NM_025074	74	74	64	233	515	22259	75,2	93,6
chr4	79434459	79434653	FRAS1	NM_025074	74	74	65	161	908	36772	188,57	67,1
chr4	79437004	79437174	FRAS1	NM_025074	74	74	66	215	607	25120	146,9	76,3
chr4	79440519	79440719	FRAS1	NM_025074	74	74	67	151	674	27364	136,14	77,5
chr4	79442603	79442815	FRAS1	NM_025074	74	74	68	108	298	12959	60,84	100
chr4	79443770	79443970	FRAS1	NM_025074	74	74	69	160	389	16840	83,78	100
chr4	79447577	79447783	FRAS1	NM_025074	74	74	70	117	430	18650	90,1	76,1
chr4	79455570	79455785	FRAS1	NM_025074	74	74	71	167	628	27606	127,81	100
chr4	79458130	79458306	FRAS1	NM_025074	74	74	72	206	208	8681	49,05	76,7
chr4	79460393	79460593	FRAS1	NM_025074	74	74	73	147	653	28363	141,11	99,3
chr4	79461765	79462341	FRAS1	NM_025074	74	74	74	594	1088	52185	90,44	86,5
chr4	84185231	84185606	COQ2	NM_015697	7	7	7	165	145	6706	17,84	100
chr4	84188804	84188977	COQ2	NM_015697	7	7	6	189	569	23177	133,2	65,6
chr4	84191005	84191208	COQ2	NM_015697	7	7	5	134	176	8132	39,86	100
chr4	84193196	84193369	COQ2	NM_015697	7	7	4	86	183	7612	43,75	100

chr4	84194608	84194811	COQ2	NM_015697	7	7	3	122	255	10687	52,39	100
chr4	84200077	84200295	COQ2	NM_015697	7	7	2	167	144	6533	29,83	100
chr4	84205693	84206142	COQ2	NM_015697	7	7	1	403	481	23056	51,24	93,1
chr4	103553134	103553494	MANBA	NM_005908	17	17	17	225	151	6950	19,25	100
chr4	103555993	103556285	MANBA	NM_005908	17	17	16	258	2139	98688	336,82	81,4
chr4	103556995	103557192	MANBA	NM_005908	17	17	15	143	456	20218	102,11	100
chr4	103560916	103561098	MANBA	NM_005908	17	17	14	145	708	31404	171,61	68,3
chr4	103571651	103571836	MANBA	NM_005908	17	17	13	165	166	7449	40,05	86,7
chr4	103578822	103579096	MANBA	NM_005908	17	17	12	219	505	23432	85,21	100
chr4	103585825	103586013	MANBA	NM_005908	17	17	11	168	248	9885	52,3	100
chr4	103590062	103590262	MANBA	NM_005908	17	17	10	87	164	7101	35,33	100
chr4	103592336	103592539	MANBA	NM_005908	17	17	9	118	1317	54480	267,06	86,4
chr4	103595000	103595194	MANBA	NM_005908	17	17	8	152	172	6875	35,26	78,3
chr4	103610715	103610903	MANBA	NM_005908	17	17	7	111	157	6972	36,89	100
chr4	103611728	103611949	MANBA	NM_005908	17	17	6	176	221	10059	45,31	100
chr4	103635574	103635774	MANBA	NM_005908	17	17	5	124	261	12220	60,8	100
chr4	103644087	103644272	MANBA	NM_005908	17	17	4	171	455	19467	104,66	65,5
chr4	103644974	103645165	MANBA	NM_005908	17	17	3	106	79	3611	18,81	100
chr4	103647683	103647889	MANBA	NM_005908	17	17	2	95	14	613	2,96	100
chr4	103681871	103682151	MANBA	NM_005908	17	17	1	177	46	2091	7,44	100
chr4	107237562	107237732	AIMP1	NM_001142416	7	7	1	47	592	23080	134,97	59,6
chr4	107246181	107246363	AIMP1	NM_001142416	7	7	2	134	86	3845	21,01	70,9
chr4	107248609	107248821	AIMP1	NM_001142416	7	7	3	114	130	5436	25,52	99,1
chr4	107249240	107249446	AIMP1	NM_001142416	7	7	4	168	197	8263	39,92	95,8
chr4	107252804	107253004	AIMP1	NM_001142416	7	7	5	212	538	23750	118,16	83
chr4	107258084	107258254	AIMP1	NM_001142416	7	7	6	169	385	15178	88,76	65,7
chr4	107268617	107268971	AIMP1	NM_001142416	7	7	7	167	498	21180	59,66	100
chr4	113565524	113566041	LARP7	NM_016648	13	12	2	202	327	14785	28,54	100
chr4	113567493	113567903	LARP7	NM_016648	13	12	3,4	101,84	298	13769	33,5	100.0,100.0
chr4	113567973	113568863	LARP7	NM_016648	13	12	5,6,7,8	165,94,351,145	603	28655	32,16	84.2,100.0,100.0,12.4
chr4	113568933	113569678	LARP7	NM_016648	13	12	8	145	689	30892	41,41	40
chr4	113570591	113570809	LARP7	NM_016648	13	12	9	152	79	3528	16,11	78,3
chr4	113571526	113571702	LARP7	NM_016648	13	12	10	122	508	22056	124,61	70,5
chr4	113574287	113574475	LARP7	NM_016648	13	12	11	160	113	4839	25,6	66,2
chr4	113575196	113575402	LARP7	NM_016648	13	12	12	92	185	8001	38,65	100
chr4	113578427	113578612	LARP7	NM_016648	13	12	13	81	341	13945	74,97	70,4
chr4	119203016	119203456	PRSS12	NM_003619	13	13	13	308	1419	67318	152,65	100
chr4	119204060	119204337	PRSS12	NM_003619	13	13	12	281	1104	47116	169,48	73,7
chr4	119216123	119216314	PRSS12	NM_003619	13	13	11	123	272	11449	59,63	76,4
chr4	119216892	119217113	PRSS12	NM_003619	13	13	10	79	164	7303	32,9	100
chr4	119219833	119220030	PRSS12	NM_003619	13	13	9	206	762	32884	166,08	69,4
chr4	119229537	119229746	PRSS12	NM_003619	13	13	8	142	1509	64349	306,42	100
chr4	119234425	119234616	PRSS12	NM_003619	13	13	7	197	181	7336	38,21	65
chr4	119237322	119237549	PRSS12	NM_003619	13	13	6	142	1030	45118	197,89	100
chr4	119239563	119239760	PRSS12	NM_003619	13	13	5	179	293	13240	66,87	83,2
chr4	119252782	119252976	PRSS12	NM_003619	13	13	4	151	424	17904	91,82	70,2
chr4	119256580	119256801	PRSS12	NM_003619	13	13	3	179	617	26441	119,1	97,2
chr4	119259362	119259544	PRSS12	NM_003619	13	13	2	139	564	24979	136,5	77,7
chr4	119273272	119273958	PRSS12	NM_003619	13	13	1	502	461	20885	30,4	100
chr4	122746914	122747179	BBS7	NM_176824	19	19	19	134	436	19612	73,73	100
chr4	122749177	122749940	BBS7	NM_176824	19	19	18,17,16	124.104.110	1478	72260	94,58	100.0,100.0,100.0
chr4	122754394	122754612	BBS7	NM_176824	19	19	15	165	297	12399	56,62	95,2
chr4	122756268	122756474	BBS7	NM_176824	19	19	14	140	390	17177	82,98	100
chr4	122760727	122760915	BBS7	NM_176824	19	19	13	66	293	12826	67,86	100
chr4	122764994	122765194	BBS7	NM_176824	19	19	12	75	35	1559	7,76	100
chr4	122766681	122766869	BBS7	NM_176824	19	19	11	193	508	20691	109,48	88,6
chr4	122768545	122768748	BBS7	NM_176824	19	19	10	103	523	24656	120,86	100

chr4	122769955	122770131	BBS7	NM_176824	19	19	9	85	504	20435	115,45	100
chr4	122774090	122774275	BBS7	NM_176824	19	19	8	131	1360	57442	308,83	100
chr4	122775822	122776004	BBS7	NM_176824	19	19	7	117	699	29401	160,66	100
chr4	122776582	122776776	BBS7	NM_176824	19	19	6	73	214	9177	47,06	100
chr4	122780115	122780324	BBS7	NM_176824	19	19	5	187	645	28559	136	95,2
chr4	122782624	122782892	BBS7	NM_176824	19	19	4	176	385	16274	60,5	100
chr4	122784317	122784490	BBS7	NM_176824	19	19	3	63	491	21065	121,06	100
chr4	122789047	122789232	BBS7	NM_176824	19	19	2	66	420	16812	90,39	100
chr4	122791353	122791606	BBS7	NM_176824	19	19	1	36	207	8402	33,08	100
chr4	123663021	123665215	BBS12	NM_001178007	3	1	3	2133	5723	278135	126,71	100
chr4	146560189	146560706	MMAA	NM_172250	7	6	2	439	2582	123769	238,94	94,5
chr4	146563484	146563675	MMAA	NM_172250	7	6	3	123	586	25118	130,82	100
chr4	146567050	146567395	MMAA	NM_172250	7	6	4	171	698	32013	92,52	100
chr4	146572162	146572341	MMAA	NM_172250	7	6	5	86	45	1774	9,86	100
chr4	146575141	146575350	MMAA	NM_172250	7	6	6	150	1376	56786	270,41	100
chr4	146576257	146576694	MMAA	NM_172250	7	6	7	288	530	23642	53,98	100
chr4	178352695	178353055	AGA	NM_000027	9	9	9	101	1530	72332	200,37	100
chr4	178354367	178354567	AGA	NM_000027	9	9	8	134	1128	50930	253,38	100
chr4	178355477	178355704	AGA	NM_000027	9	9	7	108	518	22190	97,32	100
chr4	178357340	178357522	AGA	NM_000027	9	9	6	76	158	6963	38,05	100
chr4	178358527	178358715	AGA	NM_000027	9	9	5	115	129	5322	28,16	100
chr4	178359785	178359997	AGA	NM_000027	9	9	4	113	218	8451	39,68	87,6
chr4	178360709	178360921	AGA	NM_000027	9	9	3	113	501	22938	107,69	100
chr4	178361343	178361528	AGA	NM_000027	9	9	2	154	696	29395	158,04	66,2
chr4	178363400	178363662	AGA	NM_000027	9	9	1	127	366	17069	64,9	100
chr5	218353	218473	SDHA	NM_004168	15	15	1	63	1	50	0,41	4,8
chr5	225660	225780	SDHA	NM_004168	15	15	4	144	11	410	3,39	12,5
chr5	226104	226224	SDHA	NM_004168	15	15	5	165	145	4719	39	35,8
chr5	228425	228545	SDHA	NM_004168	15	15	6	149	25	822	6,79	16,1
chr5	230877	230997	SDHA	NM_004168	15	15	7	125	78	2574	21,27	5,6
chr5	233500	233620	SDHA	NM_004168	15	15	8	169	170	5156	42,61	17,2
chr5	235412	235606	SDHA	NM_004168	15	15	9	196	103	4558	23,37	21,9
chr5	6599904	6600424	NSUN2	NM_017755	19	19	19	307	2814	133928	257,06	100
chr5	6602562	6602753	NSUN2	NM_017755	19	19	18	40	254	11569	60,26	100
chr5	6604147	6604350	NSUN2	NM_017755	19	19	17	139	677	29269	143,48	71,9
chr5	6604703	6604879	NSUN2	NM_017755	19	19	16	81	466	20959	118,41	100
chr5	6605413	6605607	NSUN2	NM_017755	19	19	15	136	351	14717	75,47	80,1
chr5	6606950	6607132	NSUN2	NM_017755	19	19	14	93	258	10999	60,1	81,7
chr5	6607244	6607444	NSUN2	NM_017755	19	19	13	185	2036	93893	467,13	71,4
chr5	6609811	6610038	NSUN2	NM_017755	19	19	12	97	84	3795	16,64	100
chr5	6611107	6611307	NSUN2	NM_017755	19	19	11	131	355	14602	72,65	70,2
chr5	6611735	6611959	NSUN2	NM_017755	19	19	10	74	209	9252	41,12	100
chr5	6616753	6616929	NSUN2	NM_017755	19	19	9	131	467	19401	109,61	68,7
chr5	6618011	6618196	NSUN2	NM_017755	19	19	8	75	109	4480	24,09	100
chr5	6620169	6620342	NSUN2	NM_017755	19	19	7	193	860	32107	184,52	64,2
chr5	6622052	6622246	NSUN2	NM_017755	19	19	6	85	360	15902	81,55	100
chr5	6623223	6623438	NSUN2	NM_017755	19	19	5	72	64	2592	12	100
chr5	6625680	6625877	NSUN2	NM_017755	19	19	4	106	426	17987	90,84	97,2
chr5	6631907	6632113	NSUN2	NM_017755	19	19	3	105	417	17868	86,32	100
chr5	6632617	6633158	NSUN2	NM_017755	19	19	2,1	158,96	775	35062	64,69	100.0,100.0
chr5	7869108	7869394	MTRR	NM_024010	15	15	1	56	80	3740	13,03	100
chr5	7870835	7871035	MTRR	NM_024010	15	15	2	154	242	10571	52,59	99,4
chr5	7873477	7873701	MTRR	NM_024010	15	15	3	154	614	27140	120,62	100
chr5	7875344	7875571	MTRR	NM_024010	15	15	4	118	508	22918	100,52	100
chr5	7878010	7878477	MTRR	NM_024010	15	15	5	379	1314	59468	127,07	100
chr5	7883183	7883395	MTRR	NM_024010	15	15	6	123	405	17255	81,01	100
chr5	7885778	7885984	MTRR	NM_024010	15	15	7	154	263	11551	55,8	100

chr5	7886635	7886835	MTRR	NM_024010	15	15	8	89	351	15305	76,14	100
chr5	7889134	7889322	MTRR	NM_024010	15	15	9	181	243	10363	54,83	63,5
chr5	7891480	7891674	MTRR	NM_024010	15	15	10	43	482	21962	112,63	100
chr5	7892799	7892987	MTRR	NM_024010	15	15	11	187	724	30286	160,24	79,1
chr5	7895805	7896017	MTRR	NM_024010	15	15	12	119	331	14634	68,7	100
chr5	7896882	7897313	MTRR	NM_024010	15	15	13,14	93.183	1158	52325	121,12	100.0,74.3
chr5	7899950	7900310	MTRR	NM_024010	15	15	15	145	237	10598	29,36	100
chr5	14711158	14711426	ANKH	NM_054027	12	12	12	114	1228	56465	209,91	100
chr5	14712998	14713204	ANKH	NM_054027	12	12	11	100	640	27326	132,01	85
chr5	14713545	14713751	ANKH	NM_054027	12	12	10	124	338	14930	72,13	79,8
chr5	14716746	14716964	ANKH	NM_054027	12	12	9	130	656	27598	126,02	100
chr5	14741817	14742008	ANKH	NM_054027	12	12	8	96	1046	45889	239,01	76
chr5	14745855	14746049	ANKH	NM_054027	12	12	7	93	813	36667	188,04	76,3
chr5	14749319	14749495	ANKH	NM_054027	12	12	6	135	113	4821	27,24	71,9
chr5	14751090	14751311	ANKH	NM_054027	12	12	5	171	225	9639	43,42	78,4
chr5	14755953	14756126	ANKH	NM_054027	12	12	4	84	484	20509	117,87	100
chr5	14758532	14758753	ANKH	NM_054027	12	12	3	119	903	39744	179,03	100
chr5	14768982	14769277	ANKH	NM_054027	12	12	2	217	830	38205	129,07	89,4
chr5	14871077	14871686	ANKH	NM_054027	12	12	1	96	884	40021	65,61	100
chr5	36953688	36953906	NIPBL	NM_133433	47	46	2	64	267	10978	50,13	100
chr5	36955544	36955762	NIPBL	NM_133433	47	46	3	166	680	29028	132,55	100
chr5	36958154	36958375	NIPBL	NM_133433	47	46	4	128	370	15942	71,81	100
chr5	36961568	36961753	NIPBL	NM_133433	47	46	5	100	272	11499	61,82	100
chr5	36962170	36962376	NIPBL	NM_133433	47	46	6	152	614	26869	129,8	100
chr5	36970969	36971160	NIPBL	NM_133433	47	46	7	161	311	12838	66,86	100
chr5	36971997	36972188	NIPBL	NM_133433	47	46	8	97	282	12042	62,72	100
chr5	36975826	36976500	NIPBL	NM_133433	47	46	9	627	1889	88316	130,84	99,4
chr5	36984755	36986395	NIPBL	NM_133433	47	46	10	1626	2015	96954	59,08	99,5
chr5	36995708	36995899	NIPBL	NM_133433	47	46	11	183	336	15402	80,22	96,2
chr5	37000488	37000718	NIPBL	NM_133433	47	46	12	198	399	16100	69,7	93,4
chr5	37000879	37001147	NIPBL	NM_133433	47	46	13,14	72,90	167	7083	26,33	100.0,63.3
chr5	37002691	37002879	NIPBL	NM_133433	47	46	15	104	240	11414	60,39	100
chr5	37003350	37003520	NIPBL	NM_133433	47	46	16	87	85	3439	20,11	100
chr5	37006446	37006699	NIPBL	NM_133433	47	46	17	232	889	39071	153,82	100
chr5	37007412	37007585	NIPBL	NM_133433	47	46	18	152	69	2708	15,56	100
chr5	37007980	37008195	NIPBL	NM_133433	47	46	19	81	363	15823	73,25	100
chr5	37008701	37008898	NIPBL	NM_133433	47	46	20	101	154	6459	32,62	100
chr5	37010187	37010381	NIPBL	NM_133433	47	46	21	139	469	20771	106,52	100
chr5	37014725	37014910	NIPBL	NM_133433	47	46	22	83	168	6932	37,27	100
chr5	37016120	37016293	NIPBL	NM_133433	47	46	23	133	513	21328	122,57	100
chr5	37017104	37017280	NIPBL	NM_133433	47	46	24	144	229	9304	52,56	100
chr5	37019399	37019587	NIPBL	NM_133433	47	46	25	90	394	17214	91,08	100
chr5	37020582	37021013	NIPBL	NM_133433	47	46	26,27	215.103	1027	47302	109,5	90.2,100.0
chr5	37022118	37022484	NIPBL	NM_133433	47	46	28,29	99.147	412	19632	53,49	100.0,94.6
chr5	37024635	37024817	NIPBL	NM_133433	47	46	30	135	163	6464	35,32	97
chr5	37026339	37026539	NIPBL	NM_133433	47	46	31	99	456	17946	89,28	91,9
chr5	37027399	37027578	NIPBL	NM_133433	47	46	32	54	389	17528	97,38	100
chr5	37036479	37036694	NIPBL	NM_133433	47	46	33	109	25	859	3,98	100
chr5	37038674	37038856	NIPBL	NM_133433	47	46	34	137	62	2495	13,63	100
chr5	37044479	37044925	NIPBL	NM_133433	47	46	35,36	141,94	600	25562	57,19	78.7,100.0
chr5	37045536	37045709	NIPBL	NM_133433	47	46	37	155	407	17621	101,27	100
chr5	37046167	37046352	NIPBL	NM_133433	47	46	38	91	125	5264	28,3	100
chr5	37048575	37048790	NIPBL	NM_133433	47	46	39	174	136	6148	28,46	100
chr5	37049201	37049407	NIPBL	NM_133433	47	46	40	191	562	23970	115,8	100
chr5	37051830	37052003	NIPBL	NM_133433	47	46	41	108	208	8150	46,84	100
chr5	37052440	37052649	NIPBL	NM_133433	47	46	42	201	953	37764	179,83	90,5
chr5	37057242	37057433	NIPBL	NM_133433	47	46	43	147	599	24620	128,23	99,3

chr5	37058971	37059227	NIPBL	NM_133433	47	46	44	275	389	17324	67,41	85,5
chr5	37060992	37061195	NIPBL	NM_133433	47	46	45	175	106	4708	23,08	73,7
chr5	37063825	37064253	NIPBL	NM_133433	47	46	46	189	241	11773	27,44	100
chr5	37064570	37065075	NIPBL	NM_133433	47	46	47	366	658	31456	62,17	100
chr5	37107579	37107945	C5orf42	NM_023073	52	51	52	177	251	11178	30,46	100
chr5	37108371	37108595	C5orf42	NM_023073	52	51	51	179	425	18548	82,44	100
chr5	37115018	37115206	C5orf42	NM_023073	52	51	50	90	270	11673	61,76	100
chr5	37120249	37120443	C5orf42	NM_023073	52	51	49	125	595	25625	131,41	100
chr5	37121768	37121950	C5orf42	NM_023073	52	51	48	168	243	10220	55,85	70,8
chr5	37122445	37122618	C5orf42	NM_023073	52	51	47	59	757	30432	174,9	100
chr5	37125295	37125498	C5orf42	NM_023073	52	51	46	166	1013	43560	213,53	92,2
chr5	37138758	37138955	C5orf42	NM_023073	52	51	45	129	174	7594	38,35	100
chr5	37139299	37139481	C5orf42	NM_023073	52	51	44	31	280	13215	72,21	100
chr5	37142378	37142554	C5orf42	NM_023073	52	51	43	171	453	18655	105,4	83,6
chr5	37148202	37148381	C5orf42	NM_023073	52	51	42	88	1226	54441	302,45	100
chr5	37153834	37154117	C5orf42	NM_023073	52	51	41	254	1103	51018	179,64	100
chr5	37157755	37157934	C5orf42	NM_023073	52	51	40	145	727	28758	159,77	100
chr5	37158301	37158474	C5orf42	NM_023073	52	51	39	122	363	16160	92,87	100
chr5	37162550	37162741	C5orf42	NM_023073	52	51	38	102	187	7554	39,34	100
chr5	37164226	37164453	C5orf42	NM_023073	52	51	37	55	253	10339	45,35	100
chr5	37165537	37165758	C5orf42	NM_023073	52	51	36	133	480	21221	95,59	88,7
chr5	37167143	37167322	C5orf42	NM_023073	52	51	35	167	424	17583	97,68	100
chr5	37168933	37169687	C5orf42	NM_023073	52	51	34	771	1772	85232	112,89	94,8
chr5	37170156	37170424	C5orf42	NM_023073	52	51	33	291	821	36194	134,55	92,4
chr5	37173831	37174037	C5orf42	NM_023073	52	51	32	193	731	30323	146,49	93,8
chr5	37175991	37176167	C5orf42	NM_023073	52	51	31	78	198	8881	50,18	100
chr5	37177647	37177832	C5orf42	NM_023073	52	51	30	80	488	19578	105,26	100
chr5	37179442	37179618	C5orf42	NM_023073	52	51	29	83	494	21355	120,65	100
chr5	37180115	37180336	C5orf42	NM_023073	52	51	28	167	80	3641	16,4	100
chr5	37180932	37181141	C5orf42	NM_023073	52	51	27	149	729	31480	149,9	100
chr5	37182846	37183819	C5orf42	NM_023073	52	51	26	940	1705	82493	84,7	100
chr5	37184892	37185175	C5orf42	NM_023073	52	51	25	292	1622	70157	247,03	97,3
chr5	37186344	37186526	C5orf42	NM_023073	52	51	24	109	384	16730	91,42	100
chr5	37187524	37187979	C5orf42	NM_023073	52	51	23,22	159.110	830	37678	82,63	95,0,100.0
chr5	37195928	37196113	C5orf42	NM_023073	52	51	21	139	530	22920	123,23	100
chr5	37198758	37198958	C5orf42	NM_023073	52	51	20	165	199	9064	45,09	93,9
chr5	37201654	37201931	C5orf42	NM_023073	52	51	19	218	456	20923	75,26	100
chr5	37205410	37205589	C5orf42	NM_023073	52	51	18	140	467	19226	106,81	100
chr5	37206275	37206540	C5orf42	NM_023073	52	51	17	229	1493	69795	262,39	100
chr5	37213707	37213901	C5orf42	NM_023073	52	51	16	174	298	13485	69,15	73,6
chr5	37221304	37221664	C5orf42	NM_023073	52	51	15	165	418	19253	53,33	100
chr5	37224279	37224464	C5orf42	NM_023073	52	51	14	81	279	11375	61,16	100
chr5	37224619	37224801	C5orf42	NM_023073	52	51	13	209	648	26398	144,25	80,4
chr5	37226364	37227921	C5orf42	NM_023073	52	51	12,11,10	770.150.250	3875	185437	119,02	100,0,100,0,100,0
chr5	37231004	37231180	C5orf42	NM_023073	52	51	9	183	261	10642	60,12	80,9
chr5	37238877	37239071	C5orf42	NM_023073	52	51	8	104	176	7389	37,89	100
chr5	37239768	37239950	C5orf42	NM_023073	52	51	7	157	246	10159	55,51	86,6
chr5	37243040	37243228	C5orf42	NM_023073	52	51	6	107	334	14186	75,06	100
chr5	37244446	37244741	C5orf42	NM_023073	52	51	5	233	391	17620	59,53	100
chr5	37245589	37245937	C5orf42	NM_023073	52	51	4,3	120.136	705	33923	97,2	93,3,92,6
chr5	37247658	37247843	C5orf42	NM_023073	52	51	2	81	440	18443	99,16	100
chr5	52394260	52394549	MOCS2	NM_004531	7	5	6	66	557	25511	87,97	100
chr5	52396223	52396432	MOCS2	NM_004531	7	5	6	124	114	5055	24,07	100
chr5	52397139	52397318	MOCS2	NM_004531	7	5	5	151	1226	52164	289,8	86,1
chr5	52397839	52398045	MOCS2	NM_004531	7	5	4	128	179	7883	38,08	93
chr5	52402841	52403056	MOCS2	NM_004531	7	5	3	98	559	24564	113,72	100
chr5	52404318	52404497	MOCS2	NM_004531	7	5	2	122	737	32764	182,02	100

chr5	52856353	52856574	NDUFS4	NM_002495	5	5	1	98	363	15455	69,62	83,7
chr5	52899190	52899375	NDUFS4	NM_002495	5	5	2	79	664	30182	162,27	100
chr5	52942078	52942269	NDUFS4	NM_002495	5	5	3	173	230	10459	54,47	91,3
chr5	52954326	52954502	NDUFS4	NM_002495	5	5	4	74	365	15431	87,18	100
chr5	52978856	52979121	NDUFS4	NM_002495	5	5	5	104	135	6184	23,25	100
chr5	60170275	60170487	ERCC8	NM_000082	12	12	12	69	108	4378	20,55	66,7
chr5	60183218	60183403	ERCC8	NM_000082	12	12	11	81	827	35623	191,52	100
chr5	60186669	60186878	ERCC8	NM_000082	12	12	10	198	560	23260	110,76	82,3
chr5	60194073	60194249	ERCC8	NM_000082	12	12	9	125	307	12756	72,07	100
chr5	60195439	60195624	ERCC8	NM_000082	12	12	8	101	902	38779	208,49	100
chr5	60198267	60198446	ERCC8	NM_000082	12	12	7	67	117	5205	28,92	100
chr5	60199342	60199560	ERCC8	NM_000082	12	12	6	69	73	3220	14,7	100
chr5	60200529	60200717	ERCC8	NM_000082	12	12	5	82	407	16482	87,21	100
chr5	60214098	60214271	ERCC8	NM_000082	12	12	4	124	265	10485	60,26	95,2
chr5	60217777	60217983	ERCC8	NM_000082	12	12	3	102	252	11012	53,2	100
chr5	60224623	60224808	ERCC8	NM_000082	12	12	2	96	176	7757	41,7	100
chr5	60240730	60241090	ERCC8	NM_000082	12	12	1	77	1129	50518	139,94	100
chr5	68799951	68800154	OCLN	NM_002538	9	8	2	50	394	17421	85,4	100
chr5	68804969	68805637	OCLN	NM_002538	9	8	3	679	1274	59198	88,49	98,5
chr5	68809758	68809958	OCLN	NM_002538	9	8	4	162	101	4541	22,59	100
chr5	68830627	68830747	OCLN	NM_002538	9	8	5	146	546	21462	177,37	27,4
chr5	70883121	70883336	MCCC2	NM_022132	17	17	1	129	1	50	0,23	65,1
chr5	70888625	70888840	MCCC2	NM_022132	17	17	2	67	270	12017	55,63	100
chr5	70892045	70892248	MCCC2	NM_022132	17	17	3	85	487	21528	105,53	100
chr5	70895439	70895639	MCCC2	NM_022132	17	17	4	102	224	9504	47,28	100
chr5	70898287	70898511	MCCC2	NM_022132	17	17	5	128	331	14049	62,44	100
chr5	70900090	70900287	MCCC2	NM_022132	17	17	6	113	166	7419	37,47	92,9
chr5	70922444	70922650	MCCC2	NM_022132	17	17	7	114	486	21487	103,8	100
chr5	70927888	70928079	MCCC2	NM_022132	17	17	8	65	631	26929	140,26	100
chr5	70930701	70931138	MCCC2	NM_022132	17	17	9,10	100,96	1176	55595	126,93	100,0,100,0
chr5	70936802	70937029	MCCC2	NM_022132	17	17	11	73	471	19673	86,29	100
chr5	70939575	70939757	MCCC2	NM_022132	17	17	12	77	303	13144	71,83	100
chr5	70942045	70942218	MCCC2	NM_022132	17	17	13	67	362	15956	91,7	89,6
chr5	70944829	70945029	MCCC2	NM_022132	17	17	14	157	753	33082	164,59	67,5
chr5	70945790	70945981	MCCC2	NM_022132	17	17	15	115	664	27246	141,91	74,8
chr5	70948393	70948572	MCCC2	NM_022132	17	17	16	86	221	9120	50,67	89,5
chr5	70952509	70952783	MCCC2	NM_022132	17	17	17	118	692	32218	117,16	100
chr5	77298599	77298894	AP3B1	NM_003664	27	27	27	154	908	42893	144,91	100
chr5	77311175	77311387	AP3B1	NM_003664	27	27	26	139	279	12585	59,08	100
chr5	77316464	77316652	AP3B1	NM_003664	27	27	25	98	320	14093	74,57	100
chr5	77330141	77330311	AP3B1	NM_003664	27	27	24	85	140	6004	35,11	100
chr5	77334884	77335143	AP3B1	NM_003664	27	27	23	232	322	13828	53,18	92,7
chr5	77385172	77385375	AP3B1	NM_003664	27	27	22	107	236	10018	49,11	100
chr5	77396769	77396978	AP3B1	NM_003664	27	27	21	73	182	7448	35,47	100
chr5	77405998	77406192	AP3B1	NM_003664	27	27	20	148	53	2102	10,78	100
chr5	77409516	77409686	AP3B1	NM_003664	27	27	19	172	1258	53272	311,53	64,5
chr5	77411873	77412073	AP3B1	NM_003664	27	27	18	109	794	32913	163,75	100
chr5	77423824	77424009	AP3B1	NM_003664	27	27	17	131	413	17981	96,67	100
chr5	77424952	77425134	AP3B1	NM_003664	27	27	16	187	491	20367	111,3	96,3
chr5	77436957	77437154	AP3B1	NM_003664	27	27	15	177	458	19058	96,25	100
chr5	77451979	77452173	AP3B1	NM_003664	27	27	14	110	662	28880	148,1	83,6
chr5	77458596	77458796	AP3B1	NM_003664	27	27	13	133	630	27655	137,59	100
chr5	77461364	77461552	AP3B1	NM_003664	27	27	12	63	154	6465	34,21	100
chr5	77471407	77471580	AP3B1	NM_003664	27	27	11	72	814	35291	202,82	100
chr5	77473147	77473338	AP3B1	NM_003664	27	27	9	98	222	9197	47,9	100
chr5	77477329	77477538	AP3B1	NM_003664	27	27	8	156	139	5721	27,24	100
chr5	77511806	77512012	AP3B1	NM_003664	27	27	7	183	1399	60666	293,07	73,2

chr5	77521325	77521531	AP3B1	NM_003664	27	27	6	67	77	3177	15,35	100
chr5	77523184	77523369	AP3B1	NM_003664	27	27	5	161	163	7079	38,06	100
chr5	77523873	77524073	AP3B1	NM_003664	27	27	4	96	434	19126	95,15	100
chr5	77536604	77536792	AP3B1	NM_003664	27	27	3	75	171	6968	36,87	100
chr5	77563290	77563472	AP3B1	NM_003664	27	27	2	76	293	13230	72,3	100
chr5	77590216	77590496	AP3B1	NM_003664	27	27	1	128	686	30975	110,23	100
chr5	79929780	79929900	DHFR	NM_000791	6	6	5	116	95	4165	34,42	27,6
chr5	79933795	79933915	DHFR	NM_000791	6	6	4	127	32	1223	10,11	26,8
chr5	79945296	79945416	DHFR	NM_000791	6	6	3	106	142	5448	45,02	17
chr5	79949825	79949995	DHFR	NM_000791	6	6	2	50	621	26829	156,89	100
chr5	79950286	79950886	DHFR	NM_000791	6	6	1	86	216	10169	16,92	26,7
chr5	88018358	88018783	MEF2C	NM_001193347	12	10	12	322	762	34341	80,61	100
chr5	88024270	88024485	MEF2C	NM_001193347	12	10	11	136	121	5659	26,2	100
chr5	88024992	88025192	MEF2C	NM_001193347	12	10	10	130	406	17367	86,4	100
chr5	88027546	88027758	MEF2C	NM_001193347	12	10	9	173	238	10360	48,64	100
chr5	88044773	88044967	MEF2C	NM_001193347	12	10	8	48	689	26902	137,96	100
chr5	88047606	88047806	MEF2C	NM_001193347	12	10	7	187	815	36181	180	71,1
chr5	88056830	88057199	MEF2C	NM_001193347	12	10	6,5	138,60	650	31405	84,88	81,9,100.0
chr5	88100487	88100672	MEF2C	NM_001193347	12	10	4	204	389	16643	89,48	64,7
chr5	88119593	88119787	MEF2C	NM_001193347	12	10	3	54	334	13650	70	24,1
chr5	138282761	138283118	SIL1	NM_022464	10	9	10	357	346	15016	41,94	87,7
chr5	138286796	138286972	SIL1	NM_022464	10	9	9	165	330	14124	79,8	68,5
chr5	138287382	138287588	SIL1	NM_022464	10	9	8	97	215	9380	45,31	100
chr5	138356892	138357092	SIL1	NM_022464	10	9	7	122	740	32276	160,58	73,8
chr5	138362455	138362646	SIL1	NM_022464	10	9	6	192	248	10074	52,47	81,8
chr5	138378207	138378398	SIL1	NM_022464	10	9	5	100	1585	67386	350,97	90
chr5	138386562	138386756	SIL1	NM_022464	10	9	4	109	1211	52730	270,41	100
chr5	138456758	138456952	SIL1	NM_022464	10	9	3	139	223	9501	48,72	75,5
chr5	138463475	138463740	SIL1	NM_022464	10	9	2	105	653	28003	105,27	55,2
chr5	176562050	176563053	NSD1	NM_022455	23	22	2	927	3175	151523	150,92	100
chr5	176618843	176619049	NSD1	NM_022455	23	22	3	136	392	17656	85,29	100
chr5	176631172	176631360	NSD1	NM_022455	23	22	4	173	86	3558	18,83	70,5
chr5	176636628	176639231	NSD1	NM_022455	23	22	5	2560	7189	350953	134,77	100
chr5	176662747	176662950	NSD1	NM_022455	23	22	6	125	30	1435	7,03	100
chr5	176665172	176665437	NSD1	NM_022455	23	22	7	271	441	19693	74,03	73,8
chr5	176666735	176666941	NSD1	NM_022455	23	22	8	110	73	2815	13,6	100
chr5	176671160	176671378	NSD1	NM_022455	23	22	9	76	225	9654	44,08	100
chr5	176673712	176673909	NSD1	NM_022455	23	22	10	119	114	4767	24,08	72,3
chr5	176675219	176675419	NSD1	NM_022455	23	22	11	144	372	15296	76,1	74,3
chr5	176678677	176678907	NSD1	NM_022455	23	22	12	124	261	10876	47,08	100
chr5	176683903	176684079	NSD1	NM_022455	23	22	13	201	157	6851	38,71	63,7
chr5	176686919	176687104	NSD1	NM_022455	23	22	14	180	262	11856	63,74	63,9
chr5	176694615	176694806	NSD1	NM_022455	23	22	15	157	759	31441	163,76	66,9
chr5	176696653	176696880	NSD1	NM_022455	23	22	16	206	538	22519	98,77	75,7
chr5	176700613	176700834	NSD1	NM_022455	23	22	17	113	180	7879	35,49	100
chr5	176707554	176707855	NSD1	NM_022455	23	22	18	270	782	35700	118,21	100
chr5	176709480	176709689	NSD1	NM_022455	23	22	19	117	222	9384	44,69	88
chr5	176710830	176711006	NSD1	NM_022455	23	22	20	142	157	6238	35,24	70,4
chr5	176715778	176715960	NSD1	NM_022455	23	22	21	107	930	40830	223,11	100
chr5	176718896	176719093	NSD1	NM_022455	23	22	22	205	169	7531	38,04	67,8
chr5	176720728	176722558	NSD1	NM_022455	23	22	23	1628	7752	373586	204,03	100
chr5	177027144	177027332	B4GALT7	NM_007255	6	6	1	50	2	62	0,33	100
chr5	177031151	177031502	B4GALT7	NM_007255	6	6	2	363	187	8325	23,65	89
chr5	177034299	177034576	B4GALT7	NM_007255	6	6	3	226	920	42670	153,49	100
chr5	177035511	177035705	B4GALT7	NM_007255	6	6	4	84	124	5443	27,91	100
chr5	177035892	177036098	B4GALT7	NM_007255	6	6	5	105	147	6260	30,24	100
chr5	177036547	177036827	B4GALT7	NM_007255	6	6	6	156	211	9509	33,84	96,2

chr6	3224906	3225026	TUBB2B	NM_178012	4	4	4	1061	1319	42021	347,28	4
chr6	3226407	3226607	TUBB2B	NM_178012	4	4	3	111	606	25195	125,35	87,4
chr6	3226900	3227020	TUBB2B	NM_178012	4	4	2	109	539	19825	163,84	3,7
chr6	3227745	3227930	TUBB2B	NM_178012	4	4	1	57	6	234	1,26	57,9
chr6	24495135	24495658	ALDH5A1	NM_170740	11	11	1	354	38	1593	3,04	100
chr6	24502737	24502913	ALDH5A1	NM_170740	11	11	2	84	104	4436	25,06	100
chr6	24503430	24503603	ALDH5A1	NM_170740	11	11	3	171	133	5725	32,9	66,1
chr6	24504985	24505185	ALDH5A1	NM_170740	11	11	4	117	541	24786	123,31	76,1
chr6	24515342	24515542	ALDH5A1	NM_170740	11	11	6	144	85	3431	17,07	100
chr6	24520537	24520728	ALDH5A1	NM_170740	11	11	7	144	213	8559	44,58	69,4
chr6	24522976	24523173	ALDH5A1	NM_170740	11	11	8	159	134	6035	30,48	100
chr6	24528158	24528334	ALDH5A1	NM_170740	11	11	9	170	476	19980	112,88	64,7
chr6	24532260	24532487	ALDH5A1	NM_170740	11	11	10	59	246	10729	47,06	100
chr6	24533738	24534018	ALDH5A1	NM_170740	11	11	11	206	340	14236	50,66	98,5
chr6	31827402	31828331	NEU1	NM_000434	6	6	6,5,4	227.223.183	3364	160464	172,54	100,0,100,0,63,4
chr6	31829030	31829301	NEU1	NM_000434	6	6	3	263	580	25557	93,96	75,3
chr6	31829741	31829938	NEU1	NM_000434	6	6	2	193	241	9595	48,46	84,5
chr6	31830379	31830647	NEU1	NM_000434	6	6	1	159	141	6007	22,33	100
chr6	33387949	33388152	SYNGAP1	NM_006772	19	19	1	67	3	87	0,43	100
chr6	33391283	33391486	SYNGAP1	NM_006772	19	19	2	122	96	4391	21,52	76,2
chr6	33393512	33393685	SYNGAP1	NM_006772	19	19	3	106	145	6392	36,74	100
chr6	33399600	33399969	SYNGAP1	NM_006772	19	19	4	92	402	17798	48,1	34,8
chr6	33400482	33400691	SYNGAP1	NM_006772	19	19	5	122	291	13019	62	83,6
chr6	33402851	33403057	SYNGAP1	NM_006772	19	19	6	154	176	8318	40,18	83,8
chr6	33403207	33403404	SYNGAP1	NM_006772	19	19	7	99	590	27551	139,15	100
chr6	33405435	33406346	SYNGAP1	NM_006772	19	19	8,9	624.145	2136	101037	110,79	100,0,100,0
chr6	33406509	33406691	SYNGAP1	NM_006772	19	19	10	145	378	17202	94	96,6
chr6	33408423	33408691	SYNGAP1	NM_006772	19	19	11	237	374	16459	61,19	78,5
chr6	33408896	33409090	SYNGAP1	NM_006772	19	19	12	202	312	14221	72,93	69,8
chr6	33409400	33409618	SYNGAP1	NM_006772	19	19	13	179	101	4135	18,88	76,5
chr6	33410081	33410284	SYNGAP1	NM_006772	19	19	14	42	1974	87200	427,45	100
chr6	33410592	33411675	SYNGAP1	NM_006772	19	19	15	1072	2306	111080	102,47	94,2
chr6	33412282	33412464	SYNGAP1	NM_006772	19	19	16	174	290	12319	67,32	64,9
chr6	33414360	33414557	SYNGAP1	NM_006772	19	19	17	212	331	14864	75,07	93,4
chr6	33415619	33415834	SYNGAP1	NM_006772	19	19	18	91	2101	86666	401,23	100
chr6	33419595	33419777	SYNGAP1	NM_006772	19	19	19	147	410	18299	99,99	60,5
chr6	39871891	39872233	MOCS1	NM_005943	10	9	10	2860	1419	62208	181,36	7
chr6	39873136	39873650	MOCS1	NM_005943	10	9	10	2860	1715	79281	153,94	18
chr6	39874016	39874370	MOCS1	NM_005943	10	9	10	2860	1071	51974	146,41	12,4
chr6	39874440	39874880	MOCS1	NM_005943	10	9	10	2860	834	39168	88,82	15,4
chr6	39876681	39876893	MOCS1	NM_005943	10	9	9	56	182	7609	35,72	100
chr6	39877613	39877789	MOCS1	NM_005943	10	9	8	121	292	12468	70,44	71,9
chr6	39880037	39880213	MOCS1	NM_005943	10	9	7	111	172	7384	41,72	73,9
chr6	39880636	39880815	MOCS1	NM_005943	10	9	6	113	941	39275	218,19	100
chr6	39880977	39881174	MOCS1	NM_005943	10	9	5	112	714	31716	160,18	100
chr6	39881508	39881708	MOCS1	NM_005943	10	9	4	62	730	30967	154,06	100
chr6	39883868	39884038	MOCS1	NM_005943	10	9	3	165	169	6768	39,58	66,1
chr6	39893330	39893530	MOCS1	NM_005943	10	9	2	168	598	25546	127,09	64,9
chr6	39895094	39895371	MOCS1	NM_005943	10	9	1	250	103	4446	15,99	89,6
chr6	49399373	49399576	MUT	NM_000255	13	12	13	129	487	20216	99,1	100
chr6	49403104	49403277	MUT	NM_000255	13	12	12	168	590	24878	142,98	64,9
chr6	49407877	49408095	MUT	NM_000255	13	12	11	148	487	20957	95,69	100
chr6	49409479	49409673	MUT	NM_000255	13	12	10	132	367	15812	81,09	91,7
chr6	49412384	49412557	MUT	NM_000255	13	12	9	116	296	12807	73,6	72,4
chr6	49415301	49415516	MUT	NM_000255	13	12	8	116	177	7282	33,71	100
chr6	49416490	49416672	MUT	NM_000255	13	12	7	112	576	24511	133,94	100
chr6	49419159	49419439	MUT	NM_000255	13	12	6	249	1181	52927	188,35	100

chr6	49421289	49421483	MUT	NM_000255	13	12	5	172	203	8716	44,7	100
chr6	49423756	49423962	MUT	NM_000255	13	12	4	158	458	20096	97,08	100
chr6	49425437	49425800	MUT	NM_000255	13	12	3	368	713	33145	91,06	91
chr6	49426776	49427213	MUT	NM_000255	13	12	2	385	308	14064	32,11	100
chr6	74304716	74304993	SLC17A5	NM_012434	11	11	11	138	530	22916	82,43	100
chr6	74309997	74310203	SLC17A5	NM_012434	11	11	10	91	352	16103	77,79	100
chr6	74320096	74320299	SLC17A5	NM_012434	11	11	9	148	382	16965	83,16	100
chr6	74325018	74325206	SLC17A5	NM_012434	11	11	8	133	398	17614	93,2	100
chr6	74331565	74331768	SLC17A5	NM_012434	11	11	7	159	310	13026	63,85	76,1
chr6	74345087	74345278	SLC17A5	NM_012434	11	11	6	119	47	1776	9,25	100
chr6	74346331	74346510	SLC17A5	NM_012434	11	11	5	87	197	9117	50,65	100
chr6	74348015	74348218	SLC17A5	NM_012434	11	11	4	88	359	15559	76,27	95,5
chr6	74351438	74351721	SLC17A5	NM_012434	11	11	3	234	949	39183	137,97	89,7
chr6	74354121	74354324	SLC17A5	NM_012434	11	11	2	197	161	7223	35,41	99
chr6	74363539	74363730	SLC17A5	NM_012434	11	11	1	94	8	359	1,87	75,5
chr6	80626277	80626634	ELOVL4	NM_022726	6	6	6	276	219	10384	29,01	100
chr6	80629079	80629258	ELOVL4	NM_022726	6	6	5	128	300	13208	73,38	95,3
chr6	80631252	80631464	ELOVL4	NM_022726	6	6	4	172	476	20677	97,08	71,5
chr6	80634608	80634808	ELOVL4	NM_022726	6	6	3	81	232	10502	52,25	100
chr6	80635934	80636131	ELOVL4	NM_022726	6	6	2	188	352	15226	76,9	87,8
chr6	80656869	80657146	ELOVL4	NM_022726	6	6	1	100	130	6175	22,21	100
chr6	80816371	80816580	BCKDHB	NM_183050	10	10	1	196	4	167	0,8	86,7
chr6	80837247	80837423	BCKDHB	NM_183050	10	10	2	78	533	22972	129,79	100
chr6	80838865	80839086	BCKDHB	NM_183050	10	10	3	69	214	9009	40,58	100
chr6	80877397	80877603	BCKDHB	NM_183050	10	10	4	134	269	12000	57,97	98,5
chr6	80878587	80878790	BCKDHB	NM_183050	10	10	5	156	545	24043	117,86	100
chr6	80880925	80881113	BCKDHB	NM_183050	10	10	6	109	113	4761	25,19	100
chr6	80910614	80910841	BCKDHB	NM_183050	10	10	7	98	712	32796	143,84	100
chr6	80912773	80912979	BCKDHB	NM_183050	10	10	8	111	310	14137	68,29	100
chr6	80982800	80983009	BCKDHB	NM_183050	10	10	9	87	176	7377	35,13	100
chr6	81053374	81053651	BCKDHB	NM_183050	10	10	10	141	1330	62080	223,31	100
chr6	88224099	88224275	RARS2	NM_020320	20	20	20	87	268	10730	60,62	100
chr6	88224609	88224800	RARS2	NM_020320	20	20	19	64	298	12858	66,97	100
chr6	88226475	88226657	RARS2	NM_020320	20	20	18	75	386	15850	86,61	100
chr6	88227810	88227992	RARS2	NM_020320	20	20	17	96	448	17561	95,96	100
chr6	88228362	88228648	RARS2	NM_020320	20	20	16,15	110,68	612	26337	91,77	87,3,100,0
chr6	88229313	88229537	RARS2	NM_020320	20	20	14	125	607	27601	122,67	90,4
chr6	88229772	88229978	RARS2	NM_020320	20	20	13	77	927	38998	188,4	100
chr6	88231168	88231374	RARS2	NM_020320	20	20	12	61	251	10270	49,61	100
chr6	88234207	88234422	RARS2	NM_020320	20	20	11	96	272	12116	56,09	100
chr6	88239272	88239475	RARS2	NM_020320	20	20	10	107	369	16583	81,29	88,8
chr6	88240492	88240671	RARS2	NM_020320	20	20	9	159	261	10942	60,79	100
chr6	88251585	88251773	RARS2	NM_020320	20	20	8	77	308	13742	72,71	100
chr6	88255239	88255436	RARS2	NM_020320	20	20	7	84	554	24371	123,09	100
chr6	88258260	88258466	RARS2	NM_020320	20	20	6	56	438	17089	82,56	100
chr6	88265017	88265217	RARS2	NM_020320	20	20	5	98	666	28439	141,49	93,9
chr6	88272307	88272486	RARS2	NM_020320	20	20	4	84	252	10593	58,85	79,8
chr6	88273768	88273962	RARS2	NM_020320	20	20	3	103	357	14926	76,54	100
chr6	88279228	88279446	RARS2	NM_020320	20	20	2	74	36	1450	6,62	100
chr6	101847072	101847278	GRIK2	NM_021956	16	16	1	115	492	21683	104,75	100
chr6	102069807	102069992	GRIK2	NM_021956	16	16	2	168	383	16169	86,93	100
chr6	102074300	102074580	GRIK2	NM_021956	16	16	3	258	1004	46412	165,17	82,6
chr6	102124503	102124679	GRIK2	NM_021956	16	16	4	182	209	8966	50,66	97,3
chr6	102130288	102130491	GRIK2	NM_021956	16	16	5	54	194	7713	37,81	100
chr6	102133993	102134178	GRIK2	NM_021956	16	16	6	174	275	12357	66,44	71,3
chr6	102247431	102247625	GRIK2	NM_021956	16	16	7	144	2133	95606	490,29	71,5
chr6	102250141	102250329	GRIK2	NM_021956	16	16	8	108	339	14965	79,18	100

chr6	102266171	102266380	GRIK2	NM_021956	16	16	9	114	283	12377	58,94	100
chr6	102307197	102307391	GRIK2	NM_021956	16	16	10	207	1118	49463	253,66	83,1
chr6	102337571	102337836	GRIK2	NM_021956	16	16	11	224	586	27468	103,26	75
chr6	102372509	102372709	GRIK2	NM_021956	16	16	12	119	651	28181	140,2	72,3
chr6	102376246	102376532	GRIK2	NM_021956	16	16	13	218	641	29850	104,01	100
chr6	102483197	102483480	GRIK2	NM_021956	16	16	14	226	1091	48460	170,63	100
chr6	102503174	102503460	GRIK2	NM_021956	16	16	15	251	444	20564	71,65	100
chr6	102516165	102516439	GRIK2	NM_021956	16	16	16	165	311	13871	50,44	100
chr6	107475707	107475996	PDSS2	NM_020381	8	8	8	159	702	32869	113,34	100
chr6	107514962	107515171	PDSS2	NM_020381	8	8	7	33	285	12218	58,18	100
chr6	107531589	107531762	PDSS2	NM_020381	8	8	6	132	330	13911	79,95	90,9
chr6	107533275	107533484	PDSS2	NM_020381	8	8	5	174	723	31900	151,9	98,9
chr6	107566705	107566917	PDSS2	NM_020381	8	8	4	72	98	4354	20,44	100
chr6	107595240	107595431	PDSS2	NM_020381	8	8	3	199	958	42308	220,35	96,5
chr6	107655305	107655493	PDSS2	NM_020381	8	8	2	135	213	8534	45,15	68,1
chr6	107780227	107780599	PDSS2	NM_020381	8	8	1	296	469	20224	54,22	88,9
chr6	107811714	107811964	SOBP	NM_018013	7	6	1	96	102	4415	17,59	100
chr6	107824904	107825089	SOBP	NM_018013	7	6	2	139	515	22102	118,83	69,1
chr6	107827483	107827680	SOBP	NM_018013	7	6	3	186	629	25766	130,13	80,1
chr6	107854566	107854763	SOBP	NM_018013	7	6	4	152	271	12568	63,47	66,4
chr6	107908230	107908436	SOBP	NM_018013	7	6	5	96	72	3269	15,79	100
chr6	107954654	107956599	SOBP	NM_018013	7	6	6	1953	2794	129296	66,44	96,4
chr6	129204397	129204594	LAMA2	NM_000426	65	65	1	112	290	11525	58,21	94,6
chr6	129371002	129371172	LAMA2	NM_000426	65	65	2	171	552	24799	145,02	64,3
chr6	129380899	129381072	LAMA2	NM_000426	65	65	3	113	280	11790	67,76	100
chr6	129419352	129419629	LAMA2	NM_000426	65	65	4	243	1869	80927	291,1	86
chr6	129465026	129465244	LAMA2	NM_000426	65	65	5	180	447	20816	95,05	100
chr6	129468027	129468209	LAMA2	NM_000426	65	65	6	90	582	25801	140,99	100
chr6	129470043	129470267	LAMA2	NM_000426	65	65	7	118	355	15291	67,96	100
chr6	129475662	129475865	LAMA2	NM_000426	65	65	8	179	194	8553	41,93	93,3
chr6	129486700	129486903	LAMA2	NM_000426	65	65	9	100	204	9197	45,08	100
chr6	129498905	129499093	LAMA2	NM_000426	65	65	10	161	651	26447	139,93	66,5
chr6	129511262	129511456	LAMA2	NM_000426	65	65	11	141	807	34795	178,44	75,9
chr6	129513763	129513936	LAMA2	NM_000426	65	65	12	174	212	8927	51,3	64,4
chr6	129571198	129571407	LAMA2	NM_000426	65	65	13	102	502	22474	107,02	100
chr6	129573174	129573365	LAMA2	NM_000426	65	65	14	212	195	8369	43,59	64,6
chr6	129581802	129582026	LAMA2	NM_000426	65	65	15	112	1034	46036	204,6	100
chr6	129588162	129588332	LAMA2	NM_000426	65	65	16	114	1015	42490	248,48	71,9
chr6	129591678	129591857	LAMA2	NM_000426	65	65	17	128	765	32434	180,19	69,5
chr6	129601223	129601402	LAMA2	NM_000426	65	65	18	87	219	9221	51,23	80,5
chr6	129609051	129609272	LAMA2	NM_000426	65	65	19	212	522	22453	101,14	72,2
chr6	129612684	129612896	LAMA2	NM_000426	65	65	20	107	210	9007	42,29	100
chr6	129618879	129619088	LAMA2	NM_000426	65	65	21	181	387	16711	79,58	72,9
chr6	129621833	129622063	LAMA2	NM_000426	65	65	22	137	434	18880	81,73	100
chr6	129633953	129634245	LAMA2	NM_000426	65	65	23	237	934	40412	137,92	100
chr6	129635696	129635905	LAMA2	NM_000426	65	65	24	144	196	9031	43	73,6
chr6	129636543	129637318	LAMA2	NM_000426	65	65	25,26,27	180.189.134	1747	83349	107,41	100.0,100.0,100.0
chr6	129641590	129641766	LAMA2	NM_000426	65	65	28	118	488	20618	116,49	71,2
chr6	129649335	129649520	LAMA2	NM_000426	65	65	29	135	555	24240	130,32	72,6
chr6	129663518	129663703	LAMA2	NM_000426	65	65	30	125	404	16793	90,28	76
chr6	129670382	129670600	LAMA2	NM_000426	65	65	31	87	470	21047	96,11	100
chr6	129674230	129674442	LAMA2	NM_000426	65	65	32	194	134	5665	26,6	69,1
chr6	129687271	129687489	LAMA2	NM_000426	65	65	33	143	663	29027	132,54	88,1
chr6	129690937	129691119	LAMA2	NM_000426	65	65	34	99	191	7643	41,77	83,8
chr6	129704216	129704434	LAMA2	NM_000426	65	65	35	112	98	4336	19,8	100
chr6	129712616	129712807	LAMA2	NM_000426	65	65	36	163	201	9389	48,9	100
chr6	129714245	129714442	LAMA2	NM_000426	65	65	37	211	288	12260	61,92	73,9

chr6	129722335	129722517	LAMA2	NM_000426	65	65	38	117	234	9737	53,21	100
chr6	129723393	129723581	LAMA2	NM_000426	65	65	39	164	206	8854	46,85	68,9
chr6	129724934	129725137	LAMA2	NM_000426	65	65	40	139	328	13643	66,88	100
chr6	129748844	129749041	LAMA2	NM_000426	65	65	41	103	305	13141	66,37	100
chr6	129759784	129759969	LAMA2	NM_000426	65	65	42	117	324	14836	79,76	100
chr6	129762018	129762218	LAMA2	NM_000426	65	65	43	183	852	36628	182,23	68,9
chr6	129763247	129763441	LAMA2	NM_000426	65	65	44	6	125	4942	25,34	100
chr6	129766731	129766928	LAMA2	NM_000426	65	65	45	155	200	7679	38,78	75,5
chr6	129774134	129774331	LAMA2	NM_000426	65	65	46	144	244	10380	52,42	99,3
chr6	129775260	129775460	LAMA2	NM_000426	65	65	47	134	222	9188	45,71	100
chr6	129777531	129777713	LAMA2	NM_000426	65	65	48	160	1132	47660	260,44	68,1
chr6	129781321	129781542	LAMA2	NM_000426	65	65	49	125	356	14336	64,58	100
chr6	129785379	129785582	LAMA2	NM_000426	65	65	50	163	238	9909	48,57	90,8
chr6	129786270	129786449	LAMA2	NM_000426	65	65	51	145	243	10550	58,61	100
chr6	129794372	129794563	LAMA2	NM_000426	65	65	52	139	275	11377	59,26	90,6
chr6	129796485	129796667	LAMA2	NM_000426	65	65	53	12	320	12897	70,48	100
chr6	129799756	129799959	LAMA2	NM_000426	65	65	54	121	676	29590	145,05	100
chr6	129802341	129802529	LAMA2	NM_000426	65	65	55	177	474	20851	110,32	68,9
chr6	129807667	129807861	LAMA2	NM_000426	65	65	56	149	450	19179	98,35	67,8
chr6	129813036	129813233	LAMA2	NM_000426	65	65	57	177	749	32112	162,18	100
chr6	129813428	129813643	LAMA2	NM_000426	65	65	58	169	545	21877	101,28	100
chr6	129823750	129823968	LAMA2	NM_000426	65	65	59	113	249	10876	49,66	100
chr6	129824179	129824361	LAMA2	NM_000426	65	65	60	190	156	6918	37,8	66,3
chr6	129826328	129826534	LAMA2	NM_000426	65	65	61	156	101	4169	20,14	100
chr6	129828685	129828855	LAMA2	NM_000426	65	65	62	154	377	15044	87,98	66,9
chr6	129833487	129833672	LAMA2	NM_000426	65	65	63	131	559	24292	130,6	100
chr6	129835428	129835705	LAMA2	NM_000426	65	65	64	223	631	28028	100,82	84,3
chr6	129837240	129837597	LAMA2	NM_000426	65	65	65	158	1126	52492	146,63	100
chr6	131908706	131908995	MED23	NM_004830	29	29	29	168	968	45643	157,39	100
chr6	131910620	131910844	MED23	NM_004830	29	29	28	132	316	13980	62,13	88,6
chr6	131911370	131911555	MED23	NM_004830	29	29	27	121	579	24312	130,71	77,7
chr6	131912408	131912584	MED23	NM_004830	29	29	26	215	51	2157	12,19	61,4
chr6	131913427	131913627	MED23	NM_004830	29	29	25	73	428	18512	92,1	100
chr6	131914146	131914373	MED23	NM_004830	29	29	24	166	244	10727	47,05	100
chr6	131915219	131915511	MED23	NM_004830	29	29	23	237	1105	47856	163,33	100
chr6	131917048	131917349	MED23	NM_004830	29	29	22	217	310	14596	48,33	100
chr6	131917648	131917830	MED23	NM_004830	29	29	21	171	740	30999	169,39	100
chr6	131919425	131919924	MED23	NM_004830	29	29	20,19	181.206	1846	84285	168,57	100.0,100.0
chr6	131921109	131921309	MED23	NM_004830	29	29	18	125	145	6339	31,54	100
chr6	131923327	131923554	MED23	NM_004830	29	29	17	164	554	24469	107,32	100
chr6	131924111	131924332	MED23	NM_004830	29	29	16	175	576	24858	111,97	93,1
chr6	131925312	131925509	MED23	NM_004830	29	29	15	143	225	10258	51,81	100
chr6	131926332	131926627	MED23	NM_004830	29	29	14	246	261	11670	39,43	100
chr6	131927606	131927776	MED23	NM_004830	29	29	13	146	450	19218	112,39	100
chr6	131929048	131929224	MED23	NM_004830	29	29	12	144	351	13900	78,53	100
chr6	131931119	131931310	MED23	NM_004830	29	29	11	201	892	38036	198,1	62,2
chr6	131937009	131937179	MED23	NM_004830	29	29	10	96	114	4544	26,57	100
chr6	131939505	131939705	MED23	NM_004830	29	29	9	113	547	23667	117,75	100
chr6	131940889	131941104	MED23	NM_004830	29	29	8	70	142	6453	29,88	100
chr6	131941688	131941888	MED23	NM_004830	29	29	7	102	211	8490	42,24	100
chr6	131942942	131943139	MED23	NM_004830	29	29	6	99	519	21065	106,39	100
chr6	131944479	131944664	MED23	NM_004830	29	29	5	112	933	40974	220,29	100
chr6	131945936	131946133	MED23	NM_004830	29	29	4	125	258	10241	51,72	100
chr6	131948497	131948792	MED23	NM_004830	29	29	3,2	88,32	404	18586	62,79	100.0,37.5
chr6	131949073	131949344	MED23	NM_004830	29	29	1	39	1766	82899	304,78	100
chr6	135606564	135606847	AHI1	NM_001134830	27	26	27	3	781	37108	130,66	100
chr6	135611502	135611711	AHI1	NM_001134830	27	26	26	103	281	12403	59,06	100

chr6	135621593	135621811	AH11	NM_001134830	27	26	25	59	479	21910	100,05	100
chr6	135639643	135639843	AH11	NM_001134830	27	26	24	98	57	1973	9,82	100
chr6	135644280	135644477	AH11	NM_001134830	27	26	23	163	500	21736	109,78	100
chr6	135679211	135679381	AH11	NM_001134830	27	26	22	56	637	26519	155,08	100
chr6	135715843	135716105	AH11	NM_001134830	27	26	21	121	318	14639	55,66	100
chr6	135725953	135726129	AH11	NM_001134830	27	26	20	27	471	20283	114,59	100
chr6	135732477	135732668	AH11	NM_001134830	27	26	19	197	704	30706	159,93	92,9
chr6	135748286	135748462	AH11	NM_001134830	27	26	18	141	491	19415	109,69	100
chr6	135749707	135749901	AH11	NM_001134830	27	26	17	131	724	33910	173,9	100
chr6	135750906	135751115	AH11	NM_001134830	27	26	16	119	413	18660	88,86	80,7
chr6	135752334	135752537	AH11	NM_001134830	27	26	15	107	527	23746	116,4	100
chr6	135754123	135754373	AH11	NM_001134830	27	26	14	230	900	42585	169,66	90,9
chr6	135759446	135759634	AH11	NM_001134830	27	26	13	124	330	13595	71,93	98,4
chr6	135763691	135763870	AH11	NM_001134830	27	26	12	133	78	3263	18,13	100
chr6	135768109	135768321	AH11	NM_001134830	27	26	11	153	510	22441	105,36	100
chr6	135769419	135769628	AH11	NM_001134830	27	26	10	186	348	14316	68,17	100
chr6	135774395	135774607	AH11	NM_001134830	27	26	9	96	484	19544	91,76	100
chr6	135776852	135777067	AH11	NM_001134830	27	26	8	193	101	4266	19,75	100
chr6	135778642	135778904	AH11	NM_001134830	27	26	7	220	629	29447	111,97	95,5
chr6	135784255	135784437	AH11	NM_001134830	27	26	6	182	216	9478	51,79	96,2
chr6	135786864	135787464	AH11	NM_001134830	27	26	5	560	2882	138444	230,36	91,6
chr6	135788707	135788916	AH11	NM_001134830	27	26	4	54	234	9633	45,87	100
chr6	135811667	135811941	AH11	NM_001134830	27	26	3	125	379	16944	61,61	100
chr6	135813349	135813528	AH11	NM_001134830	27	26	2	10	202	8206	45,59	100
chr6	137143650	137143862	PEX7	NM_000288	10	10	1	130	67	2890	13,57	45,4
chr6	137146265	137146435	PEX7	NM_000288	10	10	2	58	230	10112	59,13	100
chr6	137147413	137147595	PEX7	NM_000288	10	10	3	151	617	23838	130,26	92,1
chr6	137166694	137166891	PEX7	NM_000288	10	10	4	78	204	8634	43,61	100
chr6	137167179	137167358	PEX7	NM_000288	10	10	5	109	398	16364	90,91	100
chr6	137187687	137187875	PEX7	NM_000288	10	10	6	107	422	18083	95,68	100
chr6	137190948	137191166	PEX7	NM_000288	10	10	7	114	398	17664	80,66	100
chr6	137193275	137193454	PEX7	NM_000288	10	10	8	56	307	13786	76,59	100
chr6	137219256	137219468	PEX7	NM_000288	10	10	9	100	598	25776	121,01	100
chr6	137234494	137234774	PEX7	NM_000288	10	10	10	69	673	30507	108,57	100
chr6	146350510	146351448	GRM1	NM_000838	9	8	2	700	3786	185593	197,65	100
chr6	146480403	146480674	GRM1	NM_000838	9	8	3	250	450	20640	75,88	76,4
chr6	146625661	146625929	GRM1	NM_000838	9	8	4	236	894	39646	147,38	77,5
chr6	146673359	146673660	GRM1	NM_000838	9	8	5	247	399	17690	58,58	100
chr6	146678654	146678860	GRM1	NM_000838	9	8	6	169	216	9321	45,03	100
chr6	146707994	146708194	GRM1	NM_000838	9	8	7	127	634	26917	133,92	100
chr6	146719840	146720754	GRM1	NM_000838	9	8	8	931	6407	312678	341,72	91,3
chr6	146754967	146756047	GRM1	NM_000838	9	8	9	925	4115	194543	179,97	100
chr6	151726211	151726464	RMND1	NM_017909	12	11	12	33	194	8882	34,97	100
chr6	151726776	151726994	RMND1	NM_017909	12	11	11	117	167	6614	30,2	100
chr6	151738358	151738546	RMND1	NM_017909	12	11	10	121	278	12197	64,53	100
chr6	151742362	151742544	RMND1	NM_017909	12	11	9	77	236	10495	57,35	100
chr6	151743532	151743747	RMND1	NM_017909	12	11	8	65	46	1760	8,15	100
chr6	151744585	151744782	RMND1	NM_017909	12	11	7	107	641	26807	135,39	100
chr6	151748560	151748766	RMND1	NM_017909	12	11	6	101	529	23543	113,73	100
chr6	151751264	151751458	RMND1	NM_017909	12	11	5	40	100	4293	22,02	100
chr6	151754173	151754373	RMND1	NM_017909	12	11	4	76	603	25397	126,35	100
chr6	151757504	151757686	RMND1	NM_017909	12	11	3	109	489	20860	113,99	97,2
chr6	151766648	151766768	RMND1	NM_017909	12	11	2	504	134	5321	43,98	24
chr6	151766915	151767035	RMND1	NM_017909	12	11	2	504	71	2764	22,84	6,3
chr6	157099102	157100689	ARID1B	NM_017519	19	19	1	1542	137	6125	3,86	97,5
chr6	157150297	157150497	ARID1B	NM_017519	19	19	2	195	271	11883	59,12	70,3
chr6	157222438	157222608	ARID1B	NM_017519	19	19	3	150	357	15951	93,28	66

chr6	157256548	157256748	ARID1B	NM_017519	19	19	4	111	656	28952	144,04	100
chr6	157405717	157406009	ARID1B	NM_017519	19	19	5	244	703	31136	106,27	87,7
chr6	157431625	157431804	ARID1B	NM_017519	19	19	6	90	165	6425	35,69	78,9
chr6	157454100	157454294	ARID1B	NM_017519	19	19	7	180	430	17842	91,5	73,9
chr6	157469679	157470095	ARID1B	NM_017519	19	19	8	328	1088	51026	122,36	100
chr6	157488080	157488274	ARID1B	NM_017519	19	19	9	146	460	20332	104,27	69,2
chr6	157495021	157495221	ARID1B	NM_017519	19	19	10	110	241	9765	48,58	72,7
chr6	157502173	157502382	ARID1B	NM_017519	19	19	11	210	780	33416	159,12	66,7
chr6	157505272	157505810	ARID1B	NM_017519	19	19	12	205	737	33804	62,72	100
chr6	157510810	157511010	ARID1B	NM_017519	19	19	13	139	319	13471	67,02	75,5
chr6	157511097	157511291	ARID1B	NM_017519	19	19	14	173	1146	44626	228,85	69,4
chr6	157517210	157517398	ARID1B	NM_017519	19	19	15	151	338	15048	79,62	66,2
chr6	157519838	157520017	ARID1B	NM_017519	19	19	16	97	98	4154	23,08	75,3
chr6	157521876	157522710	ARID1B	NM_017519	19	19	17	784	2602	124718	149,36	95,3
chr6	157524919	157525143	ARID1B	NM_017519	19	19	18	131	473	21190	94,18	100
chr6	157527221	157529101	ARID1B	NM_017519	19	19	19	1725	6760	322999	171,72	100
chr6	158532246	158532621	SERAC1	NM_032861	17	16	17	137	572	25477	67,76	100
chr6	158534422	158534622	SERAC1	NM_032861	17	16	16	144	355	15512	77,17	98,6
chr6	158535792	158536051	SERAC1	NM_032861	17	16	15	183	412	18645	71,71	100
chr6	158537126	158537332	SERAC1	NM_032861	17	16	14	98	379	16672	80,54	100
chr6	158538614	158538894	SERAC1	NM_032861	17	16	13	95	1706	81748	290,92	100
chr6	158540076	158540255	SERAC1	NM_032861	17	16	12	142	307	12487	69,37	89,4
chr6	158541368	158541568	SERAC1	NM_032861	17	16	11	151	642	27095	134,8	74,2
chr6	158549135	158549320	SERAC1	NM_032861	17	16	10	163	464	19218	103,32	100
chr6	158551403	158551576	SERAC1	NM_032861	17	16	9	114	183	8280	47,59	100
chr6	158563985	158564182	SERAC1	NM_032861	17	16	8	129	281	12106	61,14	73,6
chr6	158565318	158565506	SERAC1	NM_032861	17	16	7	122	256	9294	49,17	100
chr6	158567821	158567994	SERAC1	NM_032861	17	16	6	132	741	33754	193,99	94,7
chr6	158569814	158569996	SERAC1	NM_032861	17	16	5	90	266	10856	59,32	100
chr6	158571479	158571679	SERAC1	NM_032861	17	16	4	137	204	9156	45,55	100
chr6	158576201	158576392	SERAC1	NM_032861	17	16	3	37	417	19209	100,05	100
chr6	158579249	158579443	SERAC1	NM_032861	17	16	2	91	386	17195	88,18	100
chr6	158591421	158591603	GTF2H5	NM_207118	3	2	2	35	218	9631	52,63	100
chr6	158612933	158613118	GTF2H5	NM_207118	3	2	3	181	107	4486	24,12	60,8
chr6	158613188	158613308	GTF2H5	NM_207118	3	2	3	181	287	10108	83,54	1,1
chr7	5567471	5567641	ACTB	NM_001101	6	5	6,5	144.182	42	1139	6,66	36,1,3.8
chr7	5567782	5567961	ACTB	NM_001101	6	5	5,4	182.439	471	18948	105,27	19,2,11.4
chr7	5568271	5568391	ACTB	NM_001101	6	5	4	439	98	3998	33,04	18,2
chr7	5569000	5569170	ACTB	NM_001101	6	5	3,2	240.123	150	5921	34,63	13.3,4.1
chr7	5569234	5569511	ACTB	NM_001101	6	5	2	123	29	1176	4,23	44,7
chr7	16131220	16131432	ISPD	NM_001101426	10	10	10	105	232	9633	45,23	100
chr7	16255596	16255796	ISPD	NM_001101426	10	10	9	132	149	6776	33,71	80,3
chr7	16297969	16298145	ISPD	NM_001101426	10	10	8	93	476	21174	119,63	100
chr7	16298508	16298711	ISPD	NM_001101426	10	10	7	93	430	18678	91,56	100
chr7	16317732	16317932	ISPD	NM_001101426	10	10	6	98	280	11566	57,54	100
chr7	16340956	16341168	ISPD	NM_001101426	10	10	5	46	220	8815	41,38	100
chr7	16348159	16348359	ISPD	NM_001101426	10	10	4	105	394	16977	84,46	89,5
chr7	16415625	16415816	ISPD	NM_001101426	10	10	3	150	848	35566	185,24	66,7
chr7	16445608	16445909	ISPD	NM_001101426	10	10	2	277	1178	55391	183,41	80,9
chr7	16460633	16460910	ISPD	NM_001101426	10	10	1	257	14	531	1,91	85,6
chr7	27133978	27134356	HOXA1	NM_005522	2	2	2	356	831	37929	100,08	83,7
chr7	27134821	27135593	HOXA1	NM_005522	2	2	1	652	2163	96530	124,88	100
chr7	33185875	33186063	BBS9	NM_198428	23	22	2	112	214	9535	50,45	91,1
chr7	33192296	33192490	BBS9	NM_198428	23	22	3	151	205	8693	44,58	100
chr7	33195196	33195366	BBS9	NM_198428	23	22	4	65	74	2834	16,57	100
chr7	33217010	33217204	BBS9	NM_198428	23	22	5	114	265	10972	56,27	100
chr7	33296825	33297034	BBS9	NM_198428	23	22	6	175	262	11570	55,1	100

chr7	33303876	33304058	BBS9	NM_198428	23	22	7	85	138	6039	33	100
chr7	33312612	33312803	BBS9	NM_198428	23	22	8	184	211	8536	44,46	97,8
chr7	33313439	33313627	BBS9	NM_198428	23	22	9	130	446	19232	101,76	100
chr7	33376016	33376210	BBS9	NM_198428	23	22	10	182	120	4929	25,28	86,8
chr7	33380509	33380703	BBS9	NM_198428	23	22	11	77	435	18427	94,5	100
chr7	33384107	33384319	BBS9	NM_198428	23	22	12	54	175	7245	34,01	100
chr7	33388650	33388832	BBS9	NM_198428	23	22	13	103	497	21204	115,87	100
chr7	33390576	33391004	BBS9	NM_198428	23	22	14	105	644	30783	71,76	100
chr7	33392362	33392544	BBS9	NM_198428	23	22	15	15	1073	44402	242,63	100
chr7	33397412	33397692	BBS9	NM_198428	23	22	16	141	602	28073	99,9	100
chr7	33407290	33407490	BBS9	NM_198428	23	22	17	96	347	15777	78,49	100
chr7	33423269	33423451	BBS9	NM_198428	23	22	18	173	208	8487	46,38	100
chr7	33427591	33427788	BBS9	NM_198428	23	22	19	153	603	26640	134,55	100
chr7	33545008	33545196	BBS9	NM_198428	23	22	20	183	362	15864	83,94	66,7
chr7	33573604	33573890	BBS9	NM_198428	23	22	21	223	1614	72824	253,74	83
chr7	33644454	33644977	BBS9	NM_198428	23	22	22,23	111,32	1074	51230	97,77	100.0,100.0
chr7	40172563	40172935	MPLKIP	NM_138701	2	2	2	201	410	19290	51,72	100
chr7	40173815	40174267	MPLKIP	NM_138701	2	2	1	339	322	12975	28,64	100
chr7	42003793	42006227	GLI3	NM_000168	15	14	15	2312	5356	256063	105,16	99,5
chr7	42007108	42007468	GLI3	NM_000168	15	14	14	328	1269	58947	163,29	83,8
chr7	42011985	42012277	GLI3	NM_000168	15	14	13	291	509	22931	78,26	83,2
chr7	42017201	42017383	GLI3	NM_000168	15	14	12	165	343	15229	83,22	73,3
chr7	42018229	42018417	GLI3	NM_000168	15	14	11	150	148	6550	34,66	79,3
chr7	42063102	42063308	GLI3	NM_000168	15	14	10	141	137	6245	30,17	75,2
chr7	42064894	42065091	GLI3	NM_000168	15	14	9	114	272	11873	59,96	72,8
chr7	42065852	42066079	GLI3	NM_000168	15	14	8	214	145	6120	26,84	74,8
chr7	42079598	42079795	GLI3	NM_000168	15	14	7	202	808	35964	181,64	78,7
chr7	42084892	42085098	GLI3	NM_000168	15	14	6	147	1096	49403	238,66	78,9
chr7	42088152	42088352	GLI3	NM_000168	15	14	5	206	171	7201	35,83	69,9
chr7	42116258	42116434	GLI3	NM_000168	15	14	4	106	300	11795	66,64	79,2
chr7	42187820	42188115	GLI3	NM_000168	15	14	3	243	749	35185	118,87	100
chr7	42262702	42262905	GLI3	NM_000168	15	14	2	124	204	8662	42,46	100
chr7	65425796	65426153	GUSB	NM_000181	12	12	12	167	489	22647	63,26	100
chr7	65429202	65429322	GUSB	NM_000181	12	12	11	136	231	8419	69,58	9,6
chr7	65432657	65432833	GUSB	NM_000181	12	12	10	177	735	30145	170,31	65,5
chr7	65435255	65435375	GUSB	NM_000181	12	12	9	85	82	3151	26,04	100
chr7	65439194	65439631	GUSB	NM_000181	12	12	8,7	147.179	665	31094	70,99	100.0,66.5
chr7	65440898	65441246	GUSB	NM_000181	12	12	5	188	1110	51564	147,75	100
chr7	65444506	65444626	GUSB	NM_000181	12	12	4	143	127	3969	32,8	16,1
chr7	65444660	65444830	GUSB	NM_000181	12	12	3	185	202	8347	48,81	63,2
chr7	65445263	65445448	GUSB	NM_000181	12	12	2	186	157	6565	35,3	72
chr7	65447024	65447224	GUSB	NM_000181	12	12	1	210	9	320	1,59	70
chr7	65540902	65541170	ASL	NM_000048	17	16	2	12	41	1913	7,11	100
chr7	65546846	65547061	ASL	NM_000048	17	16	3	195	257	11198	51,84	71,3
chr7	65547239	65547427	ASL	NM_000048	17	16	4	84	126	5722	30,28	86,9
chr7	65547813	65548081	ASL	NM_000048	17	16	5,6	57,98	275	11753	43,69	100.0,18.4
chr7	65551505	65551794	ASL	NM_000048	17	16	7,8	78,78	293	12785	44,09	100.0,82.1
chr7	65552300	65552521	ASL	NM_000048	17	16	9	53	203	8723	39,29	100
chr7	65552709	65552921	ASL	NM_000048	17	16	10	63	728	33843	158,89	100
chr7	65553752	65554257	ASL	NM_000048	17	16	11,12	115,85	1260	60065	118,71	100.0,100.0
chr7	65554555	65554728	ASL	NM_000048	17	16	14	84	142	5845	33,59	100
chr7	65556938	65557117	ASL	NM_000048	17	16	15	81	290	12974	72,08	100
chr7	65557543	65557998	ASL	NM_000048	17	16	16,17	107.145	340	15436	33,85	100.0,100.0
chr7	66093944	66094197	KCTD7	NM_153033	4	4	1	144	25	1040	4,09	100
chr7	66098315	66098518	KCTD7	NM_153033	4	4	2	170	122	4500	22,06	68,8
chr7	66103153	66103356	KCTD7	NM_153033	4	4	3	179	702	30152	147,8	65,4
chr7	66103812	66104320	KCTD7	NM_153033	4	4	4	377	1534	72944	143,31	100

chr7	92116628	92116831	PEX1	NM_000466	24	24	24	85	166	7628	37,39	71,8
chr7	92118574	92118768	PEX1	NM_000466	24	24	23	131	195	8361	42,88	100
chr7	92118966	92119163	PEX1	NM_000466	24	24	22	198	259	10820	54,65	68,7
chr7	92120566	92120852	PEX1	NM_000466	24	24	21	231	642	28274	98,52	100
chr7	92122213	92122475	PEX1	NM_000466	24	24	20	177	442	21068	80,11	100
chr7	92123648	92124002	PEX1	NM_000466	24	24	19,18	104.143	861	39953	112,54	60.6,100.0
chr7	92125937	92126113	PEX1	NM_000466	24	24	17	65	76	3453	19,51	100
chr7	92128996	92129169	PEX1	NM_000466	24	24	16	135	176	7588	43,61	100
chr7	92130791	92131009	PEX1	NM_000466	24	24	15	167	388	16344	74,63	100
chr7	92131168	92131362	PEX1	NM_000466	24	24	14	190	463	20156	103,36	83,7
chr7	92132316	92132501	PEX1	NM_000466	24	24	13	155	487	20288	109,08	94,8
chr7	92134105	92134281	PEX1	NM_000466	24	24	12	171	1624	66467	375,52	65,5
chr7	92135488	92135664	PEX1	NM_000466	24	24	11	97	471	19290	108,98	100
chr7	92136258	92136488	PEX1	NM_000466	24	24	10	133	452	20938	90,64	100
chr7	92138619	92138825	PEX1	NM_000466	24	24	9	83	498	19972	96,48	100
chr7	92140170	92140364	PEX1	NM_000466	24	24	8	104	197	7985	40,95	100
chr7	92140867	92141043	PEX1	NM_000466	24	24	7	124	205	8742	49,39	100
chr7	92143103	92143285	PEX1	NM_000466	24	24	6	120	222	9259	50,6	100
chr7	92146636	92147624	PEX1	NM_000466	24	24	5,4	767.115	2581	119790	121,12	94.0,100.0
chr7	92148229	92148405	PEX1	NM_000466	24	24	3	84	262	11739	66,32	100
chr7	92151381	92151593	PEX1	NM_000466	24	24	2	144	1066	45606	214,11	100
chr7	92157582	92157859	PEX1	NM_000466	24	24	1	129	9	407	1,46	100
chr7	103113172	103113464	RELN	NM_005045	65	65	65,64	98,5	454	20590	70,27	100.0,100.0
chr7	103123292	103123504	RELN	NM_005045	65	65	63	99	1181	51539	241,97	100
chr7	103124026	103124223	RELN	NM_005045	65	65	62	198	83	3821	19,3	62,6
chr7	103126598	103126899	RELN	NM_005045	65	65	61	220	679	30528	101,09	100
chr7	103130095	103130313	RELN	NM_005045	65	65	60	158	475	19677	89,85	79,1
chr7	103131140	103131364	RELN	NM_005045	65	65	59	162	276	12203	54,24	84,6
chr7	103132348	103132521	RELN	NM_005045	65	65	58	74	143	5705	32,79	100
chr7	103136124	103136333	RELN	NM_005045	65	65	57	176	216	9397	44,75	93,2
chr7	103136905	103137185	RELN	NM_005045	65	65	56	243	989	46466	165,36	87,7
chr7	103138307	103138723	RELN	NM_005045	65	65	55,54	107.176	850	40265	96,56	62.6,100.0
chr7	103141243	103141440	RELN	NM_005045	65	65	53	178	1451	63966	323,06	71,3
chr7	103143439	103143654	RELN	NM_005045	65	65	52	215	392	16844	77,98	89,3
chr7	103151268	103151477	RELN	NM_005045	65	65	51	155	775	34865	166,02	100
chr7	103155685	103155962	RELN	NM_005045	65	65	50	257	404	18551	66,73	79,4
chr7	103159734	103159934	RELN	NM_005045	65	65	49	194	366	15822	78,72	85,1
chr7	103162508	103162732	RELN	NM_005045	65	65	48	178	334	15189	67,51	78,1
chr7	103163882	103164067	RELN	NM_005045	65	65	47	141	675	30954	166,42	68,8
chr7	103175740	103175961	RELN	NM_005045	65	65	46	169	169	7022	31,63	100
chr7	103179524	103179804	RELN	NM_005045	65	65	45	250	1298	58690	208,86	100
chr7	103180707	103180987	RELN	NM_005045	65	65	44	259	928	43724	155,6	75,7
chr7	103183154	103183336	RELN	NM_005045	65	65	43	148	354	15123	82,64	100
chr7	103185558	103185865	RELN	NM_005045	65	65	42	221	680	28474	92,45	100
chr7	103191533	103191840	RELN	NM_005045	65	65	41	230	566	24473	79,46	91,7
chr7	103193903	103194260	RELN	NM_005045	65	65	40,39	103.172	717	31008	86,61	100.0,89.5
chr7	103197429	103197614	RELN	NM_005045	65	65	38	183	122	5092	27,38	97,3
chr7	103198299	103198487	RELN	NM_005045	65	65	37	85	611	26489	140,15	89,4
chr7	103201921	103202334	RELN	NM_005045	65	65	36,35	178.141	1350	61452	148,43	100.0,53.2
chr7	103205757	103206031	RELN	NM_005045	65	65	34	274	957	45235	164,49	88,3
chr7	103206694	103206894	RELN	NM_005045	65	65	33	189	328	13719	68,25	87,8
chr7	103207101	103207295	RELN	NM_005045	65	65	32	159	260	10839	55,58	66,7
chr7	103212547	103212732	RELN	NM_005045	65	65	31	77	49	1915	10,3	100
chr7	103214593	103214808	RELN	NM_005045	65	65	30	208	933	40239	186,29	74
chr7	103215916	103216098	RELN	NM_005045	65	65	29	158	900	39620	216,5	65,8
chr7	103230021	103230313	RELN	NM_005045	65	65	28	233	1155	53966	184,18	100
chr7	103234089	103234295	RELN	NM_005045	65	65	27	201	913	37740	182,32	83,1

chr7	103234702	103234881	RELN	NM_005045	65	65	26	172	436	18689	103,83	66,3
chr7	103236965	103237174	RELN	NM_005045	65	65	25	206	445	18506	88,12	69,9
chr7	103243668	103243880	RELN	NM_005045	65	65	24	187	1641	72165	338,8	69,5
chr7	103244836	103245030	RELN	NM_005045	65	65	23	138	320	13528	69,37	68,8
chr7	103251103	103251297	RELN	NM_005045	65	65	22	113	799	32761	168,01	100
chr7	103252092	103252274	RELN	NM_005045	65	65	21	193	263	10875	59,43	82,4
chr7	103270325	103270626	RELN	NM_005045	65	65	20	237	843	38374	127,07	100
chr7	103275882	103276088	RELN	NM_005045	65	65	19	162	253	10621	51,31	93,8
chr7	103276694	103276959	RELN	NM_005045	65	65	18	234	485	22245	83,63	94,9
chr7	103280925	103281119	RELN	NM_005045	65	65	17	67	529	23156	118,75	100
chr7	103290672	103290890	RELN	NM_005045	65	65	16	110	447	19101	87,22	100
chr7	103292146	103292319	RELN	NM_005045	65	65	15	129	144	6407	36,82	70,5
chr7	103292944	103293150	RELN	NM_005045	65	65	14	209	179	7908	38,2	73,2
chr7	103294498	103294698	RELN	NM_005045	65	65	13	113	123	5140	25,57	100
chr7	103301798	103302001	RELN	NM_005045	65	65	12	152	198	8602	42,17	100
chr7	103322505	103322699	RELN	NM_005045	65	65	11	146	534	22156	113,62	93,8
chr7	103338225	103338484	RELN	NM_005045	65	65	10	241	585	26828	103,18	76,8
chr7	103341280	103341474	RELN	NM_005045	65	65	9	97	236	9700	49,74	100
chr7	103363584	103363760	RELN	NM_005045	65	65	8	52	37	1675	9,46	100
chr7	103368529	103368750	RELN	NM_005045	65	65	7	97	416	18122	81,63	100
chr7	103389748	103389939	RELN	NM_005045	65	65	6	79	322	12710	66,2	84,8
chr7	103393544	103393738	RELN	NM_005045	65	65	5	33	173	6997	35,88	100
chr7	103416932	103417135	RELN	NM_005045	65	65	4	71	331	15033	73,69	100
chr7	103474023	103474196	RELN	NM_005045	65	65	3	136	318	12988	74,64	71,3
chr7	103557464	103557661	RELN	NM_005045	65	65	2	111	209	8230	41,57	100
chr7	103629477	103629944	RELN	NM_005045	65	65	1	226	213	9517	20,34	100
chr7	107531584	107531704	DLD	NM_000108	14	14	1	39	16	698	5,77	23,1
chr7	107533598	107533783	DLD	NM_000108	14	14	2	79	470	19925	107,12	100
chr7	107542161	107542352	DLD	NM_000108	14	14	3	80	190	8162	42,51	100
chr7	107542766	107542957	DLD	NM_000108	14	14	4	69	444	19618	102,18	100
chr7	107543929	107544108	DLD	NM_000108	14	14	5	70	689	28096	156,09	91,4
chr7	107545321	107545509	DLD	NM_000108	14	14	6	101	146	5642	29,85	100
chr7	107545792	107545977	DLD	NM_000108	14	14	7	144	583	23719	127,52	100
chr7	107546731	107546907	DLD	NM_000108	14	14	8	102	279	10705	60,48	81,4
chr7	107555945	107556130	DLD	NM_000108	14	14	9	191	226	9873	53,08	94,2
chr7	107557217	107557420	DLD	NM_000108	14	14	10	171	310	13856	67,92	100
chr7	107557673	107557888	DLD	NM_000108	14	14	11	190	540	22723	105,2	90
chr7	107558334	107558552	DLD	NM_000108	14	14	12	138	411	17676	80,71	100
chr7	107559413	107559791	DLD	NM_000108	14	14	13,14	90,66	771	36394	96,03	100,0,100,0
chr7	127950748	127950966	RBM28	NM_018077	19	19	19	135	475	20785	94,91	86,7
chr7	127953252	127953449	RBM28	NM_018077	19	19	18	100	917	38827	196,1	76
chr7	127954855	127955153	RBM28	NM_018077	19	19	17	257	527	23248	77,75	85,2
chr7	127957693	127957863	RBM28	NM_018077	19	19	16	75	193	8483	49,61	100
chr7	127958059	127958232	RBM28	NM_018077	19	19	15	150	341	14489	83,27	67,3
chr7	127961366	127961554	RBM28	NM_018077	19	19	14	159	138	5708	30,2	70,4
chr7	127963451	127963636	RBM28	NM_018077	19	19	13	65	293	11742	63,13	87,7
chr7	127964510	127964713	RBM28	NM_018077	19	19	12	136	847	35967	176,31	75
chr7	127965780	127965962	RBM28	NM_018077	19	19	11	74	101	3394	18,55	100
chr7	127970865	127971053	RBM28	NM_018077	19	19	10	110	316	13981	73,97	100
chr7	127973303	127973524	RBM28	NM_018077	19	19	9	73	364	16177	72,87	100
chr7	127975559	127976070	RBM28	NM_018077	19	19	8,7	137,196	3182	146361	285,86	100,0,86,7
chr7	127977105	127977317	RBM28	NM_018077	19	19	6	72	1704	77280	362,82	100
chr7	127978279	127978476	RBM28	NM_018077	19	19	5	93	124	5117	25,84	100
chr7	127978723	127978902	RBM28	NM_018077	19	19	4	76	158	6604	36,69	100
chr7	127979230	127979433	RBM28	NM_018077	19	19	3	95	227	9537	46,75	100
chr7	127979620	127979817	RBM28	NM_018077	19	19	2	159	576	25201	127,28	82,4
chr7	127983770	127983976	RBM28	NM_018077	19	19	1	118	228	8175	39,49	66,1

chr7	130038616	130038819	CEP41	NM_018718	11	11	11	149	242	9914	48,6	59,1
chr7	130039856	130040139	CEP41	NM_018718	11	11	10	216	63	3074	10,82	100
chr7	130040561	130040749	CEP41	NM_018718	11	11	9	115	492	22212	117,52	88,7
chr7	130041601	130041801	CEP41	NM_018718	11	11	8	68	991	45825	227,99	100
chr7	130042458	130042673	CEP41	NM_018718	11	11	7	152	37	1566	7,25	100
chr7	130044334	130044561	CEP41	NM_018718	11	11	6	145	376	16581	72,72	100
chr7	130050954	130051172	CEP41	NM_018718	11	11	5	70	106	4232	19,32	100
chr7	130051884	130052087	CEP41	NM_018718	11	11	4	62	147	6815	33,41	100
chr7	130056638	130056826	CEP41	NM_018718	11	11	3	48	782	35124	185,84	100
chr7	130067727	130067915	CEP41	NM_018718	11	11	2	64	148	6741	35,67	100
chr7	130080760	130080930	CEP41	NM_018718	11	11	1	33	1373	53972	315,63	100
chr7	140434270	140434568	BRAF	NM_004333	18	18	18	174	857	41418	138,52	98,9
chr7	140439653	140439832	BRAF	NM_004333	18	18	17	135	236	10751	59,73	69,6
chr7	140449127	140449312	BRAF	NM_004333	18	18	16	132	61	2727	14,66	69,7
chr7	140453108	140453284	BRAF	NM_004333	18	18	15	119	131	5168	29,2	72,3
chr7	140453984	140454175	BRAF	NM_004333	18	18	14	47	338	14340	74,69	100
chr7	140476759	140476971	BRAF	NM_004333	18	18	13	177	212	9107	42,76	73,4
chr7	140477702	140477911	BRAF	NM_004333	18	18	12	85	131	5733	27,3	100
chr7	140481409	140481585	BRAF	NM_004333	18	18	11	118	366	15331	86,62	72
chr7	140482863	140483045	BRAF	NM_004333	18	18	10	137	98	4368	23,87	69,3
chr7	140487265	140487465	BRAF	NM_004333	18	18	9	37	923	40066	199,33	100
chr7	140494132	140494332	BRAF	NM_004333	18	18	8	160	204	8765	43,61	85
chr7	140500196	140500366	BRAF	NM_004333	18	18	7	120	77	3196	18,69	71,7
chr7	140501260	140501442	BRAF	NM_004333	18	18	6	149	44	1641	8,97	67,8
chr7	140507785	140507982	BRAF	NM_004333	18	18	5	103	414	17822	90,01	75,7
chr7	140508718	140508897	BRAF	NM_004333	18	18	4	104	372	16496	91,64	75
chr7	140534445	140534755	BRAF	NM_004333	18	18	3	264	535	23974	77,09	86,4
chr7	140549915	140550124	BRAF	NM_004333	18	18	2	102	154	5469	26,04	96,1
chr7	140624291	140624509	BRAF	NM_004333	18	18	1	138	1	48	0,22	100
chr7	145813827	145814122	CNTNAP2	NM_014141	24	24	1	97	209	8029	27,13	100
chr7	146471308	146471517	CNTNAP2	NM_014141	24	24	2	111	122	5580	26,57	100
chr7	146536874	146537065	CNTNAP2	NM_014141	24	24	3	194	643	28373	147,78	63,4
chr7	146740960	146741187	CNTNAP2	NM_014141	24	24	4	148	597	27420	120,26	100
chr7	146805291	146805500	CNTNAP2	NM_014141	24	24	5	204	302	12725	60,6	74,5
chr7	146818119	146818322	CNTNAP2	NM_014141	24	24	6	185	143	6402	31,38	74,1
chr7	146825741	146825953	CNTNAP2	NM_014141	24	24	7	144	218	8870	41,64	100
chr7	146829268	146829560	CNTNAP2	NM_014141	24	24	8	265	695	30327	103,51	84,5
chr7	146997195	146997407	CNTNAP2	NM_014141	24	24	9	150	359	15697	73,69	100
chr7	147092686	147092889	CNTNAP2	NM_014141	24	24	10	172	376	16033	78,59	100
chr7	147182922	147183104	CNTNAP2	NM_014141	24	24	11	107	267	11288	61,68	72,9
chr7	147259180	147259389	CNTNAP2	NM_014141	24	24	12	120	384	17374	82,73	100
chr7	147336266	147336469	CNTNAP2	NM_014141	24	24	13	201	501	20770	101,81	66,2
chr7	147600562	147600765	CNTNAP2	NM_014141	24	24	14	157	408	17181	84,22	69,4
chr7	147674857	147675048	CNTNAP2	NM_014141	24	24	15	128	133	5968	31,08	74,2
chr7	147815239	147815412	CNTNAP2	NM_014141	24	24	16	171	246	10264	58,99	83
chr7	147844518	147844810	CNTNAP2	NM_014141	24	24	17	219	511	22945	78,31	100
chr7	147869377	147869639	CNTNAP2	NM_014141	24	24	18	237	508	22345	84,96	81,9
chr7	147914306	147914580	CNTNAP2	NM_014141	24	24	19	237	1301	53685	195,22	84,8
chr7	147926689	147926904	CNTNAP2	NM_014141	24	24	20	134	299	13377	61,93	100
chr7	147964128	147964346	CNTNAP2	NM_014141	24	24	21	94	425	19187	87,61	96,8
chr7	148080675	148080925	CNTNAP2	NM_014141	24	24	22	240	327	14212	56,62	77,1
chr7	148106428	148106637	CNTNAP2	NM_014141	24	24	23	81	136	5772	27,49	100
chr7	148112421	148112790	CNTNAP2	NM_014141	24	24	24	200	1418	67146	181,48	100
chr7	155595485	155596435	SHH	NM_000193	3	3	3	827	81	3645	3,83	100
chr7	155598990	155599513	SHH	NM_000193	3	3	2	262	627	29097	55,53	100
chr7	155604460	155604906	SHH	NM_000193	3	3	1	300	898	42241	94,5	100
chr8	6264137	6264319	MCPH1	NM_024596	14	14	1	22	43	1750	9,56	100

chr8	6266685	6266900	MCPH1	NM_024596	14	14	2	92	91	4025	18,63	100
chr8	6272262	6272468	MCPH1	NM_024596	14	14	3	119	151	5855	28,29	100
chr8	6288948	6289136	MCPH1	NM_024596	14	14	4	88	274	11235	59,44	100
chr8	6293468	6293668	MCPH1	NM_024596	14	14	5	115	216	8675	43,16	87
chr8	6296472	6296663	MCPH1	NM_024596	14	14	6	144	82	3715	19,35	100
chr8	6299487	6299681	MCPH1	NM_024596	14	14	7	90	650	28135	144,28	100
chr8	6301890	6303133	MCPH1	NM_024596	14	14	8	1155	2851	134083	107,78	100
chr8	6312597	6312785	MCPH1	NM_024596	14	14	9	110	220	9153	48,43	100
chr8	6335075	6335254	MCPH1	NM_024596	14	14	10	38	96	4297	23,87	100
chr8	6338170	6338352	MCPH1	NM_024596	14	14	11	163	689	28768	157,2	72,4
chr8	6357202	6357535	MCPH1	NM_024596	14	14	12	78	533	23271	69,67	100
chr8	6478983	6479266	MCPH1	NM_024596	14	14	13	238	445	20056	70,62	96,6
chr8	6500422	6500717	MCPH1	NM_024596	14	14	14	56	884	41190	139,16	100
chr8	15397856	15398130	TUSC3	NM_006765	11	10	1	138	53	2286	8,31	100
chr8	15480585	15480773	TUSC3	NM_006765	11	10	2	170	355	14608	77,29	100
chr8	15508095	15508301	TUSC3	NM_006765	11	10	3	118	1062	45395	219,3	81,4
chr8	15516994	15517182	TUSC3	NM_006765	11	10	4	141	305	13035	68,97	100
chr8	15519631	15519831	TUSC3	NM_006765	11	10	5	141	480	22372	111,3	100
chr8	15531188	15531394	TUSC3	NM_006765	11	10	6	90	583	25873	124,99	100
chr8	15588115	15588303	TUSC3	NM_006765	11	10	7	64	279	11813	62,5	100
chr8	15600971	15601171	TUSC3	NM_006765	11	10	8	75	294	13105	65,2	100
chr8	15605848	15606276	TUSC3	NM_006765	11	10	9	91	418	19555	45,58	100
chr8	15615272	15615451	TUSC3	NM_006765	11	10	10	19	363	14518	80,66	100
chr8	15621773	15621893	TUSC3	NM_006765	11	10	11	2447	115	3918	32,38	4,9
chr8	27633013	27633210	ESCO2	NM_001017420	11	10	2	53	541	21623	109,21	100
chr8	27633885	27634710	ESCO2	NM_001017420	11	10	3	808	1311	61754	74,76	99,3
chr8	27637694	27637900	ESCO2	NM_001017420	11	10	4	94	316	13115	63,36	96,8
chr8	27641505	27641693	ESCO2	NM_001017420	11	10	5	58	622	26279	139,04	100
chr8	27645393	27645596	ESCO2	NM_001017420	11	10	6	118	730	28087	137,68	100
chr8	27646320	27646529	ESCO2	NM_001017420	11	10	7	132	170	7592	36,15	100
chr8	27649484	27649684	ESCO2	NM_001017420	11	10	8	90	961	37909	188,6	95,6
chr8	27650183	27650398	ESCO2	NM_001017420	11	10	9	144	163	6225	28,82	100
chr8	27656982	27657200	ESCO2	NM_001017420	11	10	10	176	212	8552	39,05	81,2
chr8	27660758	27661094	ESCO2	NM_001017420	11	10	11	133	589	28122	83,45	100
chr8	37595279	37595648	ERLIN2	NM_007175	12	11	2	107	1235	55699	150,54	100
chr8	37597898	37598083	ERLIN2	NM_007175	12	11	3	82	574	25491	137,05	81,7
chr8	37599170	37599385	ERLIN2	NM_007175	12	11	4	47	1210	53341	246,95	100
chr8	37601825	37602490	ERLIN2	NM_007175	12	11	5,6	62.126	3140	149807	224,94	100,0,100,0
chr8	37607008	37607303	ERLIN2	NM_007175	12	11	7	74	1701	78909	266,58	100
chr8	37607819	37608016	ERLIN2	NM_007175	12	11	9	92	268	11280	56,97	100
chr8	37609061	37609249	ERLIN2	NM_007175	12	11	10	90	11	522	2,76	100
chr8	37610913	37611113	ERLIN2	NM_007175	12	11	11	80	412	18468	91,88	100
chr8	37611476	37611732	ERLIN2	NM_007175	12	11	12	201	122	5023	19,54	78,6
chr8	38090551	38090816	DDHD2	NM_015214	18	16	2	220	419	18707	70,33	82,7
chr8	38091951	38092133	DDHD2	NM_015214	18	16	3	191	304	13271	72,52	79,6
chr8	38095054	38095251	DDHD2	NM_015214	18	16	4	90	393	15483	78,2	100
chr8	38095551	38095769	DDHD2	NM_015214	18	16	5	121	342	15691	71,65	100
chr8	38097779	38097979	DDHD2	NM_015214	18	16	6	90	211	9307	46,3	100
chr8	38099756	38099962	DDHD2	NM_015214	18	16	7	136	723	30786	148,72	100
chr8	38103305	38103496	DDHD2	NM_015214	18	16	8	209	242	10166	52,95	78,5
chr8	38103609	38103812	DDHD2	NM_015214	18	16	9	68	141	5695	27,92	91,2
chr8	38105137	38105396	DDHD2	NM_015214	18	16	10	123	81	3599	13,84	100
chr8	38107140	38107340	DDHD2	NM_015214	18	16	11	96	81	3623	18,02	100
chr8	38109406	38109822	DDHD2	NM_015214	18	16	12,13	117.156	903	41690	99,98	100,0,100,0
chr8	38110285	38110737	DDHD2	NM_015214	18	16	14,15	103.171	471	21831	48,19	56,3,100,0
chr8	38111012	38111224	DDHD2	NM_015214	18	16	16	163	534	24177	113,51	92,6
chr8	38117509	38117697	DDHD2	NM_015214	18	16	17	82	212	8674	45,89	100

chr8	61653881	61655607	CHD7	NM_017780	38	37	2	1665	7881	383184	221,88	97,1
chr8	61693598	61694038	CHD7	NM_017780	38	37	3	431	95	4348	9,86	91
chr8	61707523	61707702	CHD7	NM_017780	38	37	4	142	181	7437	41,32	100
chr8	61712899	61713123	CHD7	NM_017780	38	37	5	138	184	7885	35,04	100
chr8	61713958	61714173	CHD7	NM_017780	38	37	6	66	223	9125	42,25	100
chr8	61720771	61720962	CHD7	NM_017780	38	37	7	56	163	7231	37,66	100
chr8	61728959	61729147	CHD7	NM_017780	38	37	8	115	96	3932	20,8	88,7
chr8	61732527	61732730	CHD7	NM_017780	38	37	9	84	360	15783	77,37	100
chr8	61734309	61734660	CHD7	NM_017780	38	37	10,11	138.122	720	33665	95,64	100,0,63.9
chr8	61735039	61735337	CHD7	NM_017780	38	37	12	244	499	23258	77,79	100
chr8	61736453	61736677	CHD7	NM_017780	38	37	13	177	455	19535	86,82	69,5
chr8	61741159	61741374	CHD7	NM_017780	38	37	14	144	399	17140	79,35	100
chr8	61742867	61743141	CHD7	NM_017780	38	37	15	256	528	23125	84,09	100
chr8	61748588	61748761	CHD7	NM_017780	38	37	16	211	213	8655	49,74	61,6
chr8	61749297	61749506	CHD7	NM_017780	38	37	17	196	475	21400	101,9	66,8
chr8	61750266	61750457	CHD7	NM_017780	38	37	18	168	151	6307	32,85	76,8
chr8	61750614	61750829	CHD7	NM_017780	38	37	19	180	210	9171	42,46	100
chr8	61754132	61754581	CHD7	NM_017780	38	37	20,21	111.206	783	36356	80,79	100,0,85.4
chr8	61757406	61757579	CHD7	NM_017780	38	37	22	200	685	28997	166,65	78,5
chr8	61757859	61758056	CHD7	NM_017780	38	37	23	160	251	11163	56,38	68,8
chr8	61761092	61761292	CHD7	NM_017780	38	37	24	90	801	34578	172,03	80
chr8	61761572	61761766	CHD7	NM_017780	38	37	25	104	476	19946	102,29	100
chr8	61763090	61763275	CHD7	NM_017780	38	37	26	130	484	19352	104,04	70,8
chr8	61763614	61763906	CHD7	NM_017780	38	37	27,28	73,58	365	15522	52,98	68,5,100.0
chr8	61764506	61764798	CHD7	NM_017780	38	37	29	229	346	14259	48,67	96,5
chr8	61765024	61766042	CHD7	NM_017780	38	37	30,31	209.672	1937	93483	91,74	100,0,97.5
chr8	61766859	61767062	CHD7	NM_017780	38	37	32	161	300	12158	59,6	87,6
chr8	61768500	61768795	CHD7	NM_017780	38	37	33	228	884	41869	141,45	100
chr8	61768947	61769369	CHD7	NM_017780	38	37	34	444	553	25480	60,24	82,4
chr8	61773420	61773724	CHD7	NM_017780	38	37	35	222	410	18848	61,8	100
chr8	61774754	61774945	CHD7	NM_017780	38	37	36	141	288	13128	68,38	100
chr8	61775043	61775258	CHD7	NM_017780	38	37	37	105	140	6084	28,17	100
chr8	61777618	61778609	CHD7	NM_017780	38	37	38	918	3627	173168	174,56	95,3
chr8	86376124	86376398	CA2	NM_000067	7	7	1	34	11	495	1,8	100
chr8	86377559	86377759	CA2	NM_000067	7	7	2	198	763	32834	163,35	70,7
chr8	86385895	86386071	CA2	NM_000067	7	7	3	119	429	18744	105,9	100
chr8	86386474	86386683	CA2	NM_000067	7	7	4	93	669	29213	139,11	100
chr8	86387960	86388151	CA2	NM_000067	7	7	5	63	505	22685	118,15	100
chr8	86389260	86389460	CA2	NM_000067	7	7	6	156	1787	76575	380,97	71,8
chr8	86392862	86393160	CA2	NM_000067	7	7	7	120	916	43415	145,2	100
chr8	90949223	90949441	NBN	NM_002485	16	16	15	50	187	7959	36,34	100
chr8	90955398	90955607	NBN	NM_002485	16	16	14	114	698	31631	150,62	100
chr8	90958414	90958593	NBN	NM_002485	16	16	13	156	531	21878	121,54	70,5
chr8	90959910	90960122	NBN	NM_002485	16	16	12	69	303	13419	63	100
chr8	90965448	90965882	NBN	NM_002485	16	16	11	448	958	44147	101,49	91,7
chr8	90967509	90967795	NBN	NM_002485	16	16	10	273	915	41894	145,97	100
chr8	90970917	90971129	NBN	NM_002485	16	16	9	130	302	12438	58,39	100
chr8	90976547	90976756	NBN	NM_002485	16	16	8	98	518	22941	109,24	100
chr8	90982585	90982791	NBN	NM_002485	16	16	7	194	325	13369	64,58	100
chr8	90983344	90983520	NBN	NM_002485	16	16	6	118	270	11171	63,11	100
chr8	90990372	90990566	NBN	NM_002485	16	16	5	104	196	8654	44,38	100
chr8	90992983	90993177	NBN	NM_002485	16	16	4	160	405	17893	91,76	86,9
chr8	90993634	90993846	NBN	NM_002485	16	16	3	149	190	8612	40,43	79,2
chr8	90994907	90995101	NBN	NM_002485	16	16	2	134	378	16742	85,86	100
chr8	94767154	94767413	TMEM67	NM_153704	28	28	1	223	1302	61828	237,8	95,1
chr8	94767942	94768127	TMEM67	NM_153704	28	28	2	89	84	3389	18,22	100
chr8	94770676	94770846	TMEM67	NM_153704	28	28	3	94	328	13947	81,56	100

chr8	94776076	94776282	TMEM67	NM_153704	28	28	4	100	287	12355	59,69	94
chr8	94777631	94777914	TMEM67	NM_153704	28	28	5,6	70,75	543	24902	87,68	100,0,100,0
chr8	94784702	94784884	TMEM67	NM_153704	28	28	7	63	243	10094	55,16	100
chr8	94792795	94793223	TMEM67	NM_153704	28	28	8,9	155,109	890	37483	87,37	100,0,100,0
chr8	94793858	94794043	TMEM67	NM_153704	28	28	10	87	178	7161	38,5	100
chr8	94794528	94794710	TMEM67	NM_153704	28	28	11	66	64	2502	13,67	100
chr8	94797502	94797672	TMEM67	NM_153704	28	28	12	157	120	4887	28,58	66,9
chr8	94798418	94798597	TMEM67	NM_153704	28	28	13	124	181	7588	42,16	100
chr8	94800054	94800242	TMEM67	NM_153704	28	28	14	106	837	38128	201,74	100
chr8	94803463	94803693	TMEM67	NM_153704	28	28	15	57	167	7168	31,03	100
chr8	94805377	94805562	TMEM67	NM_153704	28	28	16	99	437	19232	103,4	100
chr8	94807591	94807776	TMEM67	NM_153704	28	28	17	99	266	11446	61,54	100
chr8	94808083	94808271	TMEM67	NM_153704	28	28	18	87	349	15846	83,84	100
chr8	94809319	94809670	TMEM67	NM_153704	28	28	19,20	100,140	507	24022	68,24	100,0,80,0
chr8	94811830	94812006	TMEM67	NM_153704	28	28	21	141	589	23487	132,69	100
chr8	94815828	94816034	TMEM67	NM_153704	28	28	22	81	184	7229	34,92	100
chr8	94816992	94817168	TMEM67	NM_153704	28	28	23	117	135	5999	33,89	98,3
chr8	94821033	94821387	TMEM67	NM_153704	28	28	24,25	117,105	682	32398	91,26	100,0,98,1
chr8	94821971	94822168	TMEM67	NM_153704	28	28	26	103	47	1989	10,05	100
chr8	94827536	94827721	TMEM67	NM_153704	28	28	27	143	163	6566	35,3	97,9
chr8	94828611	94828814	TMEM67	NM_153704	28	28	28	81	42	1712	8,39	86,4
chr8	100025955	100026146	VPS13B	NM_017890	62	61	2	147	532	23066	120,14	88,4
chr8	100050634	100050819	VPS13B	NM_017890	62	61	3	144	148	5939	31,93	100
chr8	100108514	100108684	VPS13B	NM_017890	62	61	4	121	206	8974	52,48	100
chr8	100115233	100115439	VPS13B	NM_017890	62	61	5	168	730	31265	151,04	69
chr8	100123325	100123501	VPS13B	NM_017890	62	61	6	182	151	6073	34,31	96,7
chr8	100127887	100128072	VPS13B	NM_017890	62	61	7	175	277	10767	57,89	82,9
chr8	100133423	100133774	VPS13B	NM_017890	62	61	8	269	500	22992	65,32	93,3
chr8	100146783	100146977	VPS13B	NM_017890	62	61	9	96	168	7004	35,92	100
chr8	100147212	100147394	VPS13B	NM_017890	62	61	10	123	353	15484	84,61	100
chr8	100147813	100148019	VPS13B	NM_017890	62	61	11	138	476	20701	100	100
chr8	100148905	100149105	VPS13B	NM_017890	62	61	12	88	916	39466	196,35	86,4
chr8	100155197	100155394	VPS13B	NM_017890	62	61	13	192	176	7610	38,43	100
chr8	100160068	100160241	VPS13B	NM_017890	62	61	14	170	468	19346	111,18	100
chr8	100168785	100168973	VPS13B	NM_017890	62	61	15	195	609	25858	136,81	95,9
chr8	100182225	100182425	VPS13B	NM_017890	62	61	16	125	463	19774	98,38	100
chr8	100205076	100205261	VPS13B	NM_017890	62	61	17	182	321	13611	73,18	86,8
chr8	100286392	100286592	VPS13B	NM_017890	62	61	18	135	256	11174	55,59	100
chr8	100287289	100287504	VPS13B	NM_017890	62	61	19	174	131	5988	27,72	100
chr8	100396351	100396554	VPS13B	NM_017890	62	61	20	110	165	7240	35,49	100
chr8	100403818	100404015	VPS13B	NM_017890	62	61	21	148	308	12629	63,78	77,7
chr8	100443710	100443886	VPS13B	NM_017890	62	61	22	128	909	40196	227,1	95,3
chr8	100454611	100454879	VPS13B	NM_017890	62	61	23	235	752	32774	121,84	100
chr8	100479611	100479885	VPS13B	NM_017890	62	61	24	221	1831	85710	311,67	100
chr8	100493846	100494073	VPS13B	NM_017890	62	61	25	204	362	15904	69,75	90,7
chr8	100513882	100514079	VPS13B	NM_017890	62	61	26	172	226	10164	51,33	95,9
chr8	100515002	100515178	VPS13B	NM_017890	62	61	27	115	556	24151	136,45	100
chr8	100520040	100520219	VPS13B	NM_017890	62	61	28	142	791	33043	183,57	70,4
chr8	100523300	100523734	VPS13B	NM_017890	62	61	29	409	940	45311	104,16	98,5
chr8	100533067	100533276	VPS13B	NM_017890	62	61	30	112	217	9211	43,86	100
chr8	100568652	100568852	VPS13B	NM_017890	62	61	31	204	73	3027	15,06	85,8
chr8	100587848	100588036	VPS13B	NM_017890	62	61	32	127	403	17645	93,36	100
chr8	100589692	100589898	VPS13B	NM_017890	62	61	33	144	669	29083	140,5	100
chr8	100654039	100654722	VPS13B	NM_017890	62	61	34	688	1925	92126	134,69	99,4
chr8	100673550	100673735	VPS13B	NM_017890	62	61	35	138	210	8608	46,28	100
chr8	100711802	100712242	VPS13B	NM_017890	62	61	36	408	827	38784	87,95	88
chr8	100729417	100729644	VPS13B	NM_017890	62	61	37	203	462	20461	89,74	91,1

chr8	100732636	100732836	VPS13B	NM_017890	62	61	38	208	340	15004	74,65	69,7
chr8	100733118	100733312	VPS13B	NM_017890	62	61	39	185	434	17928	91,94	85,4
chr8	100778999	100779199	VPS13B	NM_017890	62	61	40	197	119	5302	26,38	100
chr8	100789020	100789223	VPS13B	NM_017890	62	61	41	182	1337	55744	273,25	90,7
chr8	100790934	100791297	VPS13B	NM_017890	62	61	42	350	1597	73826	202,82	93,1
chr8	100796478	100796651	VPS13B	NM_017890	62	61	43	162	485	20896	120,09	67,3
chr8	100821574	100821795	VPS13B	NM_017890	62	61	44	156	375	16107	72,55	100
chr8	100829786	100830084	VPS13B	NM_017890	62	61	45	264	951	43323	144,89	93,2
chr8	100830698	100831138	VPS13B	NM_017890	62	61	46,47	84.176	441	18942	42,95	77,4,100.0
chr8	100831621	100831839	VPS13B	NM_017890	62	61	48	171	199	8522	38,91	100
chr8	100832110	100832334	VPS13B	NM_017890	62	61	49	202	402	16787	74,61	92,1
chr8	100833515	100833727	VPS13B	NM_017890	62	61	50	189	322	13758	64,59	100
chr8	100836092	100836286	VPS13B	NM_017890	62	61	51	147	126	5248	26,91	78,2
chr8	100844622	100844923	VPS13B	NM_017890	62	61	52	284	401	17913	59,31	91,2
chr8	100847358	100847543	VPS13B	NM_017890	62	61	53	128	558	23926	128,63	93
chr8	100847766	100847951	VPS13B	NM_017890	62	61	54	200	487	22480	120,86	92,5
chr8	100860962	100861174	VPS13B	NM_017890	62	61	55	119	273	11575	54,34	100
chr8	100865610	100866438	VPS13B	NM_017890	62	61	56	806	2021	97154	117,19	94,3
chr8	100871591	100871785	VPS13B	NM_017890	62	61	57	177	114	4968	25,48	66,7
chr8	100873931	100874113	VPS13B	NM_017890	62	61	58	171	354	16293	89,03	64,3
chr8	100880435	100880650	VPS13B	NM_017890	62	61	59	177	273	11968	55,41	75,7
chr8	100882957	100883166	VPS13B	NM_017890	62	61	60	103	387	16706	79,55	100
chr8	100883597	100883886	VPS13B	NM_017890	62	61	61	250	763	33359	115,03	84,4
chr8	100887580	100887958	VPS13B	NM_017890	62	61	62	249	764	36331	95,86	100
chr8	117859666	117859952	RAD21	NM_006265	14	13	14	192	622	28162	98,13	100
chr8	117861199	117861369	RAD21	NM_006265	14	13	13	84	577	24021	140,47	83,3
chr8	117862927	117863103	RAD21	NM_006265	14	13	12	150	66	2596	14,67	53,3
chr8	117864097	117864457	RAD21	NM_006265	14	13	11	149	1274	58579	162,27	100
chr8	117864842	117865030	RAD21	NM_006265	14	13	10	160	23	947	5,01	66,2
chr8	117866515	117866798	RAD21	NM_006265	14	13	9	224	569	26608	93,69	86,2
chr8	117868440	117868610	RAD21	NM_006265	14	13	8	123	204	8039	47,01	71,5
chr8	117868922	117869095	RAD21	NM_006265	14	13	7	126	287	12999	74,71	70,6
chr8	117869583	117869765	RAD21	NM_006265	14	13	6	207	295	11388	62,23	62,8
chr8	117870612	117870788	RAD21	NM_006265	14	13	5	107	378	16503	93,24	80,4
chr8	117874095	117874277	RAD21	NM_006265	14	13	4	100	738	32271	176,34	85
chr8	117875408	117875584	RAD21	NM_006265	14	13	3	130	859	35159	198,64	70
chr8	117878886	117879062	RAD21	NM_006265	14	13	2	144	61	2642	14,93	57,6
chr8	117886839	117887276	RAD21	NM_006265	14	13	1	256	315	14230	32,49	100
chr8	140630398	140631306	KCNK9	NM_016601	3	2	2	842	3031	145208	159,74	95,7
chr8	140714947	140715301	KCNK9	NM_016601	3	2	1	283	517	24173	68,09	100
chr8	140743217	140743435	TRAPPC9	NM_031466	23	23	23	168	46	1960	8,95	78,6
chr8	140744241	140744548	TRAPPC9	NM_031466	23	23	22	224	157	6141	19,94	91,5
chr8	140898124	140898336	TRAPPC9	NM_031466	23	23	21	91	152	6840	32,11	98,9
chr8	140922416	140922619	TRAPPC9	NM_031466	23	23	20	154	264	11456	56,16	83,8
chr8	140998954	140999160	TRAPPC9	NM_031466	23	23	19	111	182	6925	33,45	82
chr8	141034079	141034270	TRAPPC9	NM_031466	23	23	18	143	69	2802	14,59	68,5
chr8	141231558	141231734	TRAPPC9	NM_031466	23	23	17	125	306	13112	74,08	100
chr8	141262923	141263114	TRAPPC9	NM_031466	23	23	16	153	269	11883	61,89	69,3
chr8	141285687	141285872	TRAPPC9	NM_031466	23	23	15	164	604	26331	141,56	70,7
chr8	141293878	141294096	TRAPPC9	NM_031466	23	23	14	133	138	5737	26,2	82
chr8	141297738	141297944	TRAPPC9	NM_031466	23	23	13	127	541	23696	114,47	75,6
chr8	141301099	141301323	TRAPPC9	NM_031466	23	23	12	86	577	25346	112,65	91,9
chr8	141310606	141310797	TRAPPC9	NM_031466	23	23	11	146	193	8095	42,16	74
chr8	141321384	141321569	TRAPPC9	NM_031466	23	23	10	127	240	10090	54,25	70,9
chr8	141370072	141370260	TRAPPC9	NM_031466	23	23	9	144	291	13048	69,04	77,8
chr8	141381105	141381355	TRAPPC9	NM_031466	23	23	8	217	162	7045	28,07	80,6
chr8	141407621	141407809	TRAPPC9	NM_031466	23	23	7	126	391	16954	89,7	72,2

chr8	141415651	141415872	TRAPPC9	NM_031466	23	23	6	122	587	26862	121	100
chr8	141436638	141436832	TRAPPC9	NM_031466	23	23	5	27	183	7520	38,56	100
chr8	141445105	141445326	TRAPPC9	NM_031466	23	23	4	129	248	11103	50,01	89,9
chr8	141449195	141449383	TRAPPC9	NM_031466	23	23	3	146	101	4313	22,82	69,9
chr8	141460870	141461461	TRAPPC9	NM_031466	23	23	2	594	1371	63351	107,01	96,5
chr8	141468395	141468776	TRAPPC9	NM_031466	23	23	1	284	273	10744	28,13	94,7
chr9	214407	215505	DOCK8	NM_203447	48	48	1	53	972	44306	40,31	100
chr9	271595	271816	DOCK8	NM_203447	48	48	2	103	438	19664	88,58	100
chr9	286491	286694	DOCK8	NM_203447	48	48	3	176	418	17488	85,73	83
chr9	289427	289621	DOCK8	NM_203447	48	48	4	72	222	9707	49,78	100
chr9	304470	304682	DOCK8	NM_203447	48	48	5	124	203	9010	42,3	82,3
chr9	311986	312571	DOCK8	NM_203447	48	48	6	213	1199	57577	98,25	85
chr9	316922	317119	DOCK8	NM_203447	48	48	7	86	172	7341	37,08	89,5
chr9	325600	325788	DOCK8	NM_203447	48	48	8	67	373	15930	84,29	100
chr9	327948	328133	DOCK8	NM_203447	48	48	9	150	514	21539	115,8	74,7
chr9	332352	332540	DOCK8	NM_203447	48	48	10	81	295	12313	65,15	100
chr9	334147	334344	DOCK8	NM_203447	48	48	11	160	195	8260	41,72	75
chr9	336498	336683	DOCK8	NM_203447	48	48	12	137	165	6973	37,49	74,5
chr9	338961	339167	DOCK8	NM_203447	48	48	13	94	257	11436	55,25	100
chr9	340107	340313	DOCK8	NM_203447	48	48	14	163	250	11367	54,91	95,1
chr9	367999	368264	DOCK8	NM_203447	48	48	15	118	1024	41798	157,14	100
chr9	370167	370370	DOCK8	NM_203447	48	48	16	71	342	15189	74,46	100
chr9	371324	371521	DOCK8	NM_203447	48	48	17	139	333	14082	71,12	67,6
chr9	372150	372320	DOCK8	NM_203447	48	48	18	102	207	8928	52,21	100
chr9	376217	376414	DOCK8	NM_203447	48	48	19	96	140	6047	30,54	92,7
chr9	376881	377173	DOCK8	NM_203447	48	48	20	235	324	15087	51,49	83,8
chr9	379677	379892	DOCK8	NM_203447	48	48	21	165	967	42913	198,67	73,9
chr9	382573	382767	DOCK8	NM_203447	48	48	22	173	154	6405	32,85	65,3
chr9	386230	386403	DOCK8	NM_203447	48	48	23	96	46	2021	11,61	76
chr9	390418	390633	DOCK8	NM_203447	48	48	24	96	152	7055	32,66	100
chr9	396771	396953	DOCK8	NM_203447	48	48	25	150	175	7640	41,75	100
chr9	399045	399233	DOCK8	NM_203447	48	48	26	114	125	5349	28,3	77,2
chr9	404868	405083	DOCK8	NM_203447	48	48	27	156	203	8790	40,69	100
chr9	406971	407162	DOCK8	NM_203447	48	48	28	140	303	12985	67,63	70,7
chr9	414703	414909	DOCK8	NM_203447	48	48	29	170	342	13915	67,22	75,3
chr9	418022	418252	DOCK8	NM_203447	48	48	30	140	696	31956	138,34	100
chr9	420463	420636	DOCK8	NM_203447	48	48	31	183	601	23039	132,41	66,1
chr9	420856	421041	DOCK8	NM_203447	48	48	32	130	478	20031	107,69	71,5
chr9	421988	422194	DOCK8	NM_203447	48	48	33	88	500	22641	109,38	100
chr9	426769	426975	DOCK8	NM_203447	48	48	34	97	292	11947	57,71	93,8
chr9	428400	428600	DOCK8	NM_203447	48	48	35	135	927	37770	187,91	71,9
chr9	429605	429805	DOCK8	NM_203447	48	48	36	153	227	9154	45,54	68
chr9	432084	432272	DOCK8	NM_203447	48	48	37	159	225	8607	45,54	67,3
chr9	433824	434009	DOCK8	NM_203447	48	48	38	101	494	22072	118,67	100
chr9	434703	434909	DOCK8	NM_203447	48	48	39	193	369	16830	81,3	65,8
chr9	439165	439344	DOCK8	NM_203447	48	48	40	144	387	17357	96,43	69,4
chr9	441200	441379	DOCK8	NM_203447	48	48	41	132	499	20271	112,62	71,2
chr9	441808	442026	DOCK8	NM_203447	48	48	42	135	245	10766	49,16	100
chr9	443404	443598	DOCK8	NM_203447	48	48	43	90	365	15682	80,42	100
chr9	446302	446555	DOCK8	NM_203447	48	48	44	237	610	27065	106,56	78,5
chr9	449707	449880	DOCK8	NM_203447	48	48	45	144	318	13285	76,35	67,4
chr9	451978	452163	DOCK8	NM_203447	48	48	46	107	290	11879	63,87	100
chr9	463495	463701	DOCK8	NM_203447	48	48	47	171	382	16100	77,78	100
chr9	464090	464385	DOCK8	NM_203447	48	48	48	61	314	13694	46,26	100
chr9	2028917	2029203	SMARCA2	NM_003070	34	33	2	225	217	9544	33,25	80,4
chr9	2032865	2033044	SMARCA2	NM_003070	34	33	3	130	165	7025	39,03	71,5
chr9	2039387	2039747	SMARCA2	NM_003070	34	33	4	435	656	31026	85,94	64,8

chr9	2047291	2047547	SMARCA2	NM_003070	34	33	5	256	29	1135	4,42	75,8
chr9	2054529	2054735	SMARCA2	NM_003070	34	33	6	127	886	34151	164,98	100
chr9	2056724	2056930	SMARCA2	NM_003070	34	33	7	174	236	10688	51,63	70,1
chr9	2058202	2058411	SMARCA2	NM_003070	34	33	8	174	479	19728	93,94	69,5
chr9	2060752	2060928	SMARCA2	NM_003070	34	33	9	171	250	10825	61,16	66,1
chr9	2070374	2070583	SMARCA2	NM_003070	34	33	10	54	186	7854	37,4	100
chr9	2073191	2073421	SMARCA2	NM_003070	34	33	11	131	572	26185	113,35	100
chr9	2073521	2073724	SMARCA2	NM_003070	34	33	12	58	205	8587	42,09	100
chr9	2076178	2076375	SMARCA2	NM_003070	34	33	13	101	109	4333	21,88	100
chr9	2077677	2077859	SMARCA2	NM_003070	34	33	14	148	479	19942	108,97	67,6
chr9	2081762	2081965	SMARCA2	NM_003070	34	33	15	164	395	17301	84,81	81,7
chr9	2083309	2083500	SMARCA2	NM_003070	34	33	16	67	640	24734	128,82	100
chr9	2083995	2084213	SMARCA2	NM_003070	34	33	17	111	261	11279	51,5	100
chr9	2086824	2087119	SMARCA2	NM_003070	34	33	18	243	1013	45200	152,7	100
chr9	2088486	2088692	SMARCA2	NM_003070	34	33	19	114	529	21510	103,91	100
chr9	2096661	2096876	SMARCA2	NM_003070	34	33	20	108	358	15067	69,75	96,3
chr9	2097285	2097500	SMARCA2	NM_003070	34	33	21	87	161	6920	32,04	100
chr9	2101567	2101758	SMARCA2	NM_003070	34	33	22	47	241	9338	48,64	100
chr9	2103946	2104155	SMARCA2	NM_003070	34	33	23	167	570	26347	125,46	91,6
chr9	2110208	2110408	SMARCA2	NM_003070	34	33	24	164	163	6900	34,33	94,5
chr9	2115870	2116135	SMARCA2	NM_003070	34	33	25	228	283	12752	47,94	78,9
chr9	2119423	2119632	SMARCA2	NM_003070	34	33	26	78	304	13504	64,3	100
chr9	2123753	2124039	SMARCA2	NM_003070	34	33	27	219	377	17512	61,02	84,5
chr9	2161618	2161901	SMARCA2	NM_003070	34	33	28	218	239	10412	36,66	99,1
chr9	2170387	2170575	SMARCA2	NM_003070	34	33	29	54	648	26427	139,83	100
chr9	2181508	2181678	SMARCA2	NM_003070	34	33	30	106	397	17926	104,83	100
chr9	2182106	2182321	SMARCA2	NM_003070	34	33	31	102	288	11699	54,16	100
chr9	2185998	2186186	SMARCA2	NM_003070	34	33	32	133	402	17238	91,21	68,4
chr9	2191176	2191379	SMARCA2	NM_003070	34	33	33	143	168	7703	37,76	79,7
chr9	2621815	2622228	VLDLR	NM_003383	19	19	1	82	240	11195	27,04	47,6
chr9	2635397	2635609	VLDLR	NM_003383	19	19	2	120	411	17271	81,08	100
chr9	2639759	2639944	VLDLR	NM_003383	19	19	3	123	449	19602	105,39	69,9
chr9	2641349	2641549	VLDLR	NM_003383	19	19	4	123	327	14319	71,24	100
chr9	2643073	2643919	VLDLR	NM_003383	19	19	5,6,7	372.123.123	5943	289881	342,24	100.0,100.0,67.5
chr9	2644727	2645075	VLDLR	NM_003383	19	19	8,9	120.126	1148	51119	146,47	100.0,94.4
chr9	2645526	2645714	VLDLR	NM_003383	19	19	10	172	283	12620	66,77	82
chr9	2646242	2646519	VLDLR	NM_003383	19	19	11	219	1488	66664	239,8	84,9
chr9	2647447	2647668	VLDLR	NM_003383	19	19	12	119	509	20006	90,12	100
chr9	2648177	2648392	VLDLR	NM_003383	19	19	13	140	627	28209	130,6	100
chr9	2648609	2648803	VLDLR	NM_003383	19	19	14	142	523	22678	116,3	95,1
chr9	2650267	2650473	VLDLR	NM_003383	19	19	15	147	302	12947	62,55	70,7
chr9	2651353	2651556	VLDLR	NM_003383	19	19	16	84	606	25967	127,29	100
chr9	2651810	2652022	VLDLR	NM_003383	19	19	17	81	430	19538	91,73	100
chr9	2652695	2652889	VLDLR	NM_003383	19	19	18	170	232	9945	51	64,7
chr9	2653758	2654047	VLDLR	NM_003383	19	19	19	36	523	23969	82,65	100
chr9	6532984	6533104	GLDC	NM_000170	25	25	25	144	38	1267	10,47	61,1
chr9	6534587	6534802	GLDC	NM_000170	25	25	24	81	782	34549	159,95	100
chr9	6536124	6536324	GLDC	NM_000170	25	25	23	173	211	9289	46,21	65,3
chr9	6540073	6540264	GLDC	NM_000170	25	25	22	96	386	16662	86,78	77,1
chr9	6550833	6551006	GLDC	NM_000170	25	25	21	112	189	8113	46,63	73,2
chr9	6553413	6553598	GLDC	NM_000170	25	25	20	142	140	5722	30,76	68,3
chr9	6554699	6554887	GLDC	NM_000170	25	25	19	113	216	9498	50,25	73,5
chr9	6556202	6556402	GLDC	NM_000170	25	25	18	150	163	7038	35,01	67,3
chr9	6558596	6558766	GLDC	NM_000170	25	25	17	126	314	14543	85,05	70,6
chr9	6565366	6565551	GLDC	NM_000170	25	25	16	76	882	35758	192,25	84,2
chr9	6587186	6587386	GLDC	NM_000170	25	25	15	143	135	5442	27,07	68,5
chr9	6588311	6588656	GLDC	NM_000170	25	25	14,13	42,85	1316	60889	175,98	100.0,45.9

chr9	6589218	6589397	GLDC	NM_000170	25	25	12	98	294	12229	67,94	76,5
chr9	6592157	6592342	GLDC	NM_000170	25	25	11	81	257	11187	60,15	82,7
chr9	6592895	6593095	GLDC	NM_000170	25	25	10	140	648	27435	136,49	68,6
chr9	6595041	6595226	GLDC	NM_000170	25	25	9	106	51	2179	11,72	74,5
chr9	6602020	6602220	GLDC	NM_000170	25	25	8	97	540	22832	113,59	100
chr9	6604660	6604860	GLDC	NM_000170	25	25	7	197	87	3582	17,82	63,5
chr9	6605179	6605364	GLDC	NM_000170	25	25	6	148	1289	54843	294,85	67,6
chr9	6606605	6606775	GLDC	NM_000170	25	25	5	78	437	19480	113,92	83,3
chr9	6610098	6610298	GLDC	NM_000170	25	25	4	165	255	10545	52,46	64,8
chr9	6620226	6620405	GLDC	NM_000170	25	25	3	136	341	14532	80,73	69,1
chr9	6644627	6644815	GLDC	NM_000170	25	25	2	79	189	8077	42,74	83,5
chr9	6645151	6645271	GLDC	NM_000170	25	25	1	255	9	334	2,76	10,6
chr9	6645311	6645618	GLDC	NM_000170	25	25	1	255	4	192	0,62	74,1
chr9	32973420	32973727	APTX	NM_001195248	8	8	8	155	482	21193	68,81	100
chr9	32974362	32974565	APTX	NM_001195248	8	8	7	104	130	5920	29,02	100
chr9	32984655	32984941	APTX	NM_001195248	8	8	6	227	1431	64077	223,26	88,5
chr9	32987473	32987827	APTX	NM_001195248	8	8	4	299	1698	79068	222,73	95,7
chr9	32987996	32988199	APTX	NM_001195248	8	8	3	51	714	31718	155,48	100
chr9	32989651	32990002	APTX	NM_001195248	8	8	2	137	1398	61283	174,1	100
chr9	33001560	33001754	APTX	NM_001195248	8	8	1	38	963	38909	199,53	100
chr9	33113324	33113625	B4GALT1	NM_001497	6	6	6	133	404	17892	59,25	100
chr9	33113723	33113908	B4GALT1	NM_001497	6	6	5	105	177	7820	42,04	100
chr9	33115910	33116116	B4GALT1	NM_001497	6	6	4	123	144	6052	29,24	100
chr9	33120404	33120598	B4GALT1	NM_001497	6	6	3	188	402	16975	87,05	96,8
chr9	33135092	33135369	B4GALT1	NM_001497	6	6	2	236	2697	120879	434,82	77,5
chr9	33166681	33167278	B4GALT1	NM_001497	6	6	1	412	61	2764	4,62	100
chr9	34646568	34646750	GALT	NM_000155	11	11	1	82	77	3171	17,33	59,8
chr9	34647034	34647231	GALT	NM_000155	11	11	2	170	410	17139	86,56	85,9
chr9	34647519	34648611	GALT	NM_000155	11	11	3,4,5,6,7	76,49,130,57,123	4094	197708	180,89	60,5,100,0,100,0,100,0,100,0
chr9	34648753	34649122	GALT	NM_000155	11	11	8,9	133,84	919	40211	108,68	100,0,100,0
chr9	34649308	34649529	GALT	NM_000155	11	11	10	155	518	23431	105,55	79,4
chr9	34650282	34650577	GALT	NM_000155	11	11	11	81	327	15858	53,57	100
chr9	35088974	35089521	PIGO	NM_152850	12	11	12,11	130,71	1361	66100	120,62	100,0,100,0
chr9	35089999	35090620	PIGO	NM_152850	12	11	10,9	215,207	1559	72403	116,4	100,0,76,3
chr9	35091160	35092720	PIGO	NM_152850	12	11	8,7	52,225	3161	154191	98,78	100,0,80,4
chr9	35093019	35093646	PIGO	NM_152850	12	11	6,5	180,160	1298	62148	98,96	100,0,100,0
chr9	35093820	35094029	PIGO	NM_152850	12	11	4	124	2039	91365	435,07	100
chr9	35094226	35094423	PIGO	NM_152850	12	11	3	144	323	13275	67,05	91
chr9	35094971	35095521	PIGO	NM_152850	12	11	2	511	1423	64087	116,31	92
chr9	93976449	93976720	AUH	NM_001698	10	10	10	78	629	29166	107,23	100
chr9	93978231	93978419	AUH	NM_001698	10	10	9	48	333	13812	73,08	100
chr9	93979513	93979722	AUH	NM_001698	10	10	8	51	831	37632	179,2	100
chr9	93983023	93983208	AUH	NM_001698	10	10	7	188	426	17821	95,81	64,9
chr9	94058185	94058397	AUH	NM_001698	10	10	6	57	369	15843	74,38	100
chr9	94060214	94060399	AUH	NM_001698	10	10	5	93	385	17506	94,12	100
chr9	94087554	94087730	AUH	NM_001698	10	10	4	87	248	11563	65,33	100
chr9	94118094	94118371	AUH	NM_001698	10	10	3,2	88,68	368	16833	60,55	100,0,2,9
chr9	94123893	94124176	AUH	NM_001698	10	10	1	262	29	1307	4,6	100
chr9	98208571	98208765	PTCH1	NM_000264	24	23	24	3410	136	6057	31,06	3
chr9	98209217	98209829	PTCH1	NM_000264	24	23	23	540	339	14655	23,91	95,7
chr9	98211382	98211689	PTCH1	NM_000264	24	23	22	255	641	25298	82,14	87,8
chr9	98212045	98212242	PTCH1	NM_000264	24	23	21	100	231	10451	52,78	100
chr9	98215805	98216005	PTCH1	NM_000264	24	23	20	143	626	26554	132,11	68,5
chr9	98218469	98218654	PTCH1	NM_000264	24	23	19	138	882	39285	211,21	70,3
chr9	98220252	98220556	PTCH1	NM_000264	24	23	18	281	523	22991	75,38	93,2
chr9	98221945	98222124	PTCH1	NM_000264	24	23	17	184	268	10392	57,73	65,8
chr9	98224147	98224329	PTCH1	NM_000264	24	23	16	143	1361	60627	331,3	93,7

chr9	98229297	98229663	PTCH1	NM_000264	24	23	15	310	1786	84347	229,83	85,8
chr9	98230953	98231396	PTCH1	NM_000264	24	23	14	403	664	30736	69,23	90,3
chr9	98231996	98232205	PTCH1	NM_000264	24	23	13	119	1095	48094	229,02	93,3
chr9	98238341	98238553	PTCH1	NM_000264	24	23	12	126	674	28725	134,86	80,2
chr9	98238929	98239138	PTCH1	NM_000264	24	23	11	99	339	13846	65,93	99
chr9	98239821	98240051	PTCH1	NM_000264	24	23	10	156	85	4018	17,39	100
chr9	98240230	98240448	PTCH1	NM_000264	24	23	9	132	176	7431	33,93	84,8
chr9	98241183	98241407	PTCH1	NM_000264	24	23	8	148	782	35851	159,34	85,1
chr9	98242286	98242471	PTCH1	NM_000264	24	23	7	122	442	18363	98,73	71,3
chr9	98242739	98242915	PTCH1	NM_000264	24	23	6	199	285	12763	72,11	66,3
chr9	98244141	98244442	PTCH1	NM_000264	24	23	5,4	92,70	665	29914	99,05	100,0,38.6
chr9	98248030	98248218	PTCH1	NM_000264	24	23	3	190	185	8285	43,84	66,8
chr9	98268720	98268899	PTCH1	NM_000264	24	23	2	193	76	3213	17,85	83,9
chr9	98270382	98270567	PTCH1	NM_000264	24	23	1	201	90	3900	20,97	62,2
chr9	100437655	100437843	XPA	NM_000380	6	6	6	149	346	14397	76,17	82,6
chr9	100447175	100447363	XPA	NM_000380	6	6	5	118	341	15010	79,42	100
chr9	100449405	100449632	XPA	NM_000380	6	6	4	166	34	1489	6,53	83,7
chr9	100451738	100451932	XPA	NM_000380	6	6	3	106	253	11039	56,61	100
chr9	100455921	100456106	XPA	NM_000380	6	6	2	111	266	11177	60,09	100
chr9	100459442	100459627	XPA	NM_000380	6	6	1	172	6	281	1,51	77,3
chr9	101867329	101867538	TGFBR1	NM_004612	9	9	1	97	0	0	0	52,6
chr9	101891098	101891378	TGFBR1	NM_004612	9	9	2	246	227	9975	35,5	98,4
chr9	101894745	101895040	TGFBR1	NM_004612	9	9	3	231	925	40477	136,75	100
chr9	101900148	101900410	TGFBR1	NM_004612	9	9	4	231	527	23433	89,1	97
chr9	101904753	101904935	TGFBR1	NM_004612	9	9	5	168	329	13589	74,26	70,2
chr9	101907003	101907191	TGFBR1	NM_004612	9	9	6	157	341	14465	76,53	100
chr9	101908761	101908964	TGFBR1	NM_004612	9	9	7	125	568	24258	118,91	100
chr9	101909942	101910136	TGFBR1	NM_004612	9	9	8	131	331	15107	77,47	95,4
chr9	101911397	101911742	TGFBR1	NM_004612	9	9	9	126	788	37335	107,9	100
chr9	101980116	101981181	ALG2	NM_033087	2	2	2	903	2023	98108	92,03	100
chr9	101983863	101984232	ALG2	NM_033087	2	2	1	348	22	1003	2,71	90,2
chr9	108337237	108337419	FKTN	NM_006731	10	9	2	105	402	17355	94,84	100
chr9	108358868	108359083	FKTN	NM_006731	10	9	3	60	146	6564	30,39	100
chr9	108363496	108363672	FKTN	NM_006731	10	9	4	204	515	22079	124,74	65,7
chr9	108366449	108366756	FKTN	NM_006731	10	9	5	278	1298	58693	190,56	93,9
chr9	108370062	108370250	FKTN	NM_006731	10	9	6	133	541	22789	120,58	100
chr9	108377523	108377714	FKTN	NM_006731	10	9	7	130	355	14812	77,15	100
chr9	108380272	108380454	FKTN	NM_006731	10	9	8	134	272	11513	62,91	76,1
chr9	108382151	108382333	FKTN	NM_006731	10	9	9	128	58	2748	15,02	93
chr9	108397271	108397622	FKTN	NM_006731	10	9	10	214	845	40875	116,12	100
chr9	123151974	123152162	CDK5RAP2	NM_018249	38	38	37	47	221	9452	50,01	100
chr9	123156767	123156937	CDK5RAP2	NM_018249	38	38	36	127	154	6077	35,54	100
chr9	123163060	123163251	CDK5RAP2	NM_018249	38	38	35	144	256	10182	53,03	72,2
chr9	123165121	123165431	CDK5RAP2	NM_018249	38	38	34	266	448	21479	69,06	86,1
chr9	123166285	123166485	CDK5RAP2	NM_018249	38	38	33	78	330	14441	71,85	100
chr9	123169327	123169607	CDK5RAP2	NM_018249	38	38	32	237	1191	51981	184,99	84,4
chr9	123170586	123170804	CDK5RAP2	NM_018249	38	38	31	122	649	27619	126,11	100
chr9	123171474	123171659	CDK5RAP2	NM_018249	38	38	30	190	136	5772	31,03	63,7
chr9	123173602	123173778	CDK5RAP2	NM_018249	38	38	29	117	144	6272	35,44	100
chr9	123177262	123177453	CDK5RAP2	NM_018249	38	38	28	120	171	7555	39,35	100
chr9	123182057	123182263	CDK5RAP2	NM_018249	38	38	27	173	298	12792	61,8	100
chr9	123184858	123185058	CDK5RAP2	NM_018249	38	38	26	49	263	11805	58,73	100
chr9	123199593	123199873	CDK5RAP2	NM_018249	38	38	25	233	2561	117896	419,56	91,4
chr9	123201684	123202293	CDK5RAP2	NM_018249	38	38	24	574	1358	66129	108,41	98,8
chr9	123205813	123205983	CDK5RAP2	NM_018249	38	38	23	123	1520	62830	367,43	69,9
chr9	123210073	123210359	CDK5RAP2	NM_018249	38	38	22	232	678	30197	105,22	80,6
chr9	123215677	123216120	CDK5RAP2	NM_018249	38	38	21	418	1998	96087	216,41	92,6

chr9	123220779	123220973	CDK5RAP2	NM_018249	38	38	20	173	887	39169	200,87	70,5
chr9	123222794	123223003	CDK5RAP2	NM_018249	38	38	19	96	803	36409	173,38	100
chr9	123230058	123230243	CDK5RAP2	NM_018249	38	38	18	138	470	20476	110,09	76,8
chr9	123232418	123232588	CDK5RAP2	NM_018249	38	38	17	110	110	4738	27,71	73,6
chr9	123234065	123234235	CDK5RAP2	NM_018249	38	38	16	131	235	9642	56,39	70,2
chr9	123239637	123239849	CDK5RAP2	NM_018249	38	38	15	101	220	9704	45,56	91,1
chr9	123249516	123249716	CDK5RAP2	NM_018249	38	38	14	144	642	27593	137,28	100
chr9	123253569	123253766	CDK5RAP2	NM_018249	38	38	13	171	299	14054	70,98	100
chr9	123280742	123281028	CDK5RAP2	NM_018249	38	38	12	219	1559	72682	253,25	83,1
chr9	123287254	123287442	CDK5RAP2	NM_018249	38	38	11	93	398	16707	88,4	100
chr9	123290016	123290210	CDK5RAP2	NM_018249	38	38	10	120	169	6916	35,47	100
chr9	123290876	123291088	CDK5RAP2	NM_018249	38	38	9	54	295	12471	58,55	100
chr9	123292311	123292499	CDK5RAP2	NM_018249	38	38	8	163	39	1681	8,89	66,3
chr9	123298701	123298984	CDK5RAP2	NM_018249	38	38	7	155	879	38730	136,37	67,1
chr9	123301204	123301404	CDK5RAP2	NM_018249	38	38	6	124	109	4882	24,29	69,4
chr9	123307992	123308204	CDK5RAP2	NM_018249	38	38	5	77	208	8320	39,06	100
chr9	123313000	123313203	CDK5RAP2	NM_018249	38	38	4	111	628	27503	134,82	100
chr9	123330574	123330762	CDK5RAP2	NM_018249	38	38	3	68	96	4318	22,85	100
chr9	123334170	123334397	CDK5RAP2	NM_018249	38	38	2	68	994	43397	190,34	100
chr9	123342205	123342420	CDK5RAP2	NM_018249	38	38	1	59	48	2006	9,29	88,1
chr9	130374607	130374786	STXBP1	NM_003165	20	19	1	37	6	300	1,67	100
chr9	130413812	130413991	STXBP1	NM_003165	20	19	2	50	74	3268	18,16	100
chr9	130415868	130416062	STXBP1	NM_003165	20	19	3	82	210	8687	44,55	84,1
chr9	130420537	130420719	STXBP1	NM_003165	20	19	4	77	199	8619	47,1	85,7
chr9	130422172	130422387	STXBP1	NM_003165	20	19	5	79	651	28602	132,42	100
chr9	130423269	130423469	STXBP1	NM_003165	20	19	6	104	519	23114	115	85,6
chr9	130425400	130425582	STXBP1	NM_003165	20	19	7	149	897	39941	218,26	66,4
chr9	130427497	130427694	STXBP1	NM_003165	20	19	8	85	1051	46458	234,64	100
chr9	130428451	130428639	STXBP1	NM_003165	20	19	9	131	843	37931	200,69	95,4
chr9	130430246	130430437	STXBP1	NM_003165	20	19	10	108	415	17276	89,98	73,1
chr9	130432037	130432231	STXBP1	NM_003165	20	19	11	61	1074	49403	253,35	90,2
chr9	130434307	130434495	STXBP1	NM_003165	20	19	12	66	840	37258	197,13	100
chr9	130435327	130435524	STXBP1	NM_003165	20	19	13	81	1469	63401	320,21	80,2
chr9	130438111	130438317	STXBP1	NM_003165	20	19	14	139	114	4890	23,62	79,9
chr9	130438934	130439149	STXBP1	NM_003165	20	19	15	110	662	28468	131,8	90
chr9	130440588	130440815	STXBP1	NM_003165	20	19	16	102	275	11918	52,27	100
chr9	130442333	130442503	STXBP1	NM_003165	20	19	17	86	530	21799	127,48	79,1
chr9	130444592	130444786	STXBP1	NM_003165	20	19	18	155	780	33556	172,08	65,8
chr9	130446647	130446835	STXBP1	NM_003165	20	19	19	110	260	11674	61,77	100
chr9	130453023	130453217	STXBP1	NM_003165	20	19	20	1942	109	4610	23,64	8,4
chr9	130630105	130630329	AK1	NM_000476	7	6	7	69	173	7480	33,24	62,3
chr9	130630607	130630792	AK1	NM_000476	7	6	6	192	167	7239	38,92	96,4
chr9	130634068	130634259	AK1	NM_000476	7	6	5	117	553	23593	122,88	100
chr9	130634989	130635376	AK1	NM_000476	7	6	4,3	164,36	316	14750	38,02	87,8,100.0
chr9	130636831	130637040	AK1	NM_000476	7	6	2	7	127	5369	25,57	100
chr9	133884522	133885042	LAMC3	NM_006059	28	28	1	373	117	5339	10,25	100
chr9	133901598	133901982	LAMC3	NM_006059	28	28	2	305	537	25236	65,55	100
chr9	133907378	133907554	LAMC3	NM_006059	28	28	3	131	1230	52150	294,63	93,9
chr9	133911463	133911663	LAMC3	NM_006059	28	28	4	167	77	3150	15,67	66,5
chr9	133914183	133914623	LAMC3	NM_006059	28	28	5,6	189,118	688	32680	74,1	100.0,89.8
chr9	133916918	133917100	LAMC3	NM_006059	28	28	7	99	566	24973	136,46	77,8
chr9	133920941	133921138	LAMC3	NM_006059	28	28	8	137	484	20510	103,59	78,1
chr9	133924412	133924636	LAMC3	NM_006059	28	28	9	111	375	15186	67,49	95,5
chr9	133927791	133928314	LAMC3	NM_006059	28	28	10,11	193,116	680	31027	59,21	100.0,67.2
chr9	133932209	133932504	LAMC3	NM_006059	28	28	12	219	293	13723	46,36	86,3
chr9	133936367	133936543	LAMC3	NM_006059	28	28	13	189	336	13675	77,26	64,6
chr9	133942266	133942552	LAMC3	NM_006059	28	28	14	246	388	17748	61,84	83,7

chr9	133943381	133943581	LAMC3	NM_006059	28	28	15	154	258	10296	51,22	76
chr9	133944256	133944456	LAMC3	NM_006059	28	28	16	143	205	8307	41,33	100
chr9	133945092	133945280	LAMC3	NM_006059	28	28	17	179	204	8243	43,61	81,6
chr9	133946781	133946969	LAMC3	NM_006059	28	28	18	142	286	12430	65,77	69,7
chr9	133948094	133948276	LAMC3	NM_006059	28	28	19	206	292	12466	68,12	62,6
chr9	133948509	133948697	LAMC3	NM_006059	28	28	20	77	405	17442	92,29	85,7
chr9	133951136	133951309	LAMC3	NM_006059	28	28	21	135	139	5478	31,48	68,1
chr9	133952562	133952741	LAMC3	NM_006059	28	28	22	148	121	4929	27,38	100
chr9	133954585	133954785	LAMC3	NM_006059	28	28	23	150	605	27565	137,14	67,3
chr9	133957468	133957671	LAMC3	NM_006059	28	28	24	103	237	9544	46,78	78,6
chr9	133960904	133961104	LAMC3	NM_006059	28	28	25	200	134	5443	27,08	97
chr9	133962916	133963270	LAMC3	NM_006059	28	28	26,27	147.100	720	33855	95,37	63.9,100.0
chr9	133966933	133967290	LAMC3	NM_006059	28	28	28	251	284	13335	37,25	96,4
chr9	134379597	134379821	POMT1	NM_007171	20	19	2	122	119	4794	21,31	100
chr9	134381481	134381844	POMT1	NM_007171	20	19	3,4	107,51	731	34481	94,73	100.0,100.0
chr9	134382648	134382866	POMT1	NM_007171	20	19	5	147	296	12059	55,06	76,2
chr9	134384313	134384525	POMT1	NM_007171	20	19	6	112	671	30044	141,05	86,6
chr9	134385050	134385745	POMT1	NM_007171	20	19	7,8,9	66.160.156	2908	136457	196,06	100.0,100.0,63.5
chr9	134386765	134386935	POMT1	NM_007171	20	19	10	131	185	7464	43,65	68,7
chr9	134387398	134387592	POMT1	NM_007171	20	19	11	96	442	18187	93,27	100
chr9	134388508	134388726	POMT1	NM_007171	20	19	12	93	96	4297	19,62	100
chr9	134390703	134390885	POMT1	NM_007171	20	19	13	97	708	30047	164,19	75,3
chr9	134393520	134394283	POMT1	NM_007171	20	19	14,15	93.121	1564	75319	98,59	100.0,49.6
chr9	134394655	134394852	POMT1	NM_007171	20	19	16	98	739	31557	159,38	78,6
chr9	134395438	134395653	POMT1	NM_007171	20	19	17	114	1076	45427	210,31	100
chr9	134396620	134396826	POMT1	NM_007171	20	19	18	127	1772	79929	386,13	74
chr9	134397422	134397607	POMT1	NM_007171	20	19	19	178	1408	59377	319,23	97,8
chr9	134398269	134398608	POMT1	NM_007171	20	19	20	175	541	26374	77,57	100
chr9	135771549	135772084	TSC1	NM_000368	23	21	23	520	2700	126178	235,41	89
chr9	135772584	135773024	TSC1	NM_000368	23	21	22,21	162.188	1031	49444	112,12	92.0,100.0
chr9	135776134	135776325	TSC1	NM_000368	23	21	20	123	543	22690	118,18	74
chr9	135776867	135777067	TSC1	NM_000368	23	21	19	111	1477	62178	309,34	82,9
chr9	135778057	135778251	TSC1	NM_000368	23	21	18	183	592	24065	123,41	64,5
chr9	135779095	135779295	TSC1	NM_000368	23	21	17	167	110	4988	24,82	65,9
chr9	135779779	135779991	TSC1	NM_000368	23	21	16	44	237	10156	47,68	100
chr9	135780874	135781477	TSC1	NM_000368	23	21	15	559	1494	71561	118,48	91,2
chr9	135782093	135782299	TSC1	NM_000368	23	21	14	105	190	8546	41,29	100
chr9	135782622	135782816	TSC1	NM_000368	23	21	13	70	424	17671	90,62	100
chr9	135785780	135786048	TSC1	NM_000368	23	21	12	122	462	21416	79,61	74,6
chr9	135786308	135786606	TSC1	NM_000368	23	21	11	112	571	25197	84,27	100
chr9	135786696	135786917	TSC1	NM_000368	23	21	10	116	199	8020	36,13	67,2
chr9	135787653	135787871	TSC1	NM_000368	23	21	9	176	236	9909	45,25	100
chr9	135796686	135796883	TSC1	NM_000368	23	21	8	74	378	16365	82,65	100
chr9	135797116	135797316	TSC1	NM_000368	23	21	7	155	187	8081	40,2	71,6
chr9	135798634	135798837	TSC1	NM_000368	23	21	6	145	223	9518	46,66	71
chr9	135800964	135801191	TSC1	NM_000368	23	21	5	153	443	17918	78,59	100
chr9	135802539	135802754	TSC1	NM_000368	23	21	4	104	177	7949	36,8	100
chr9	135804085	135804273	TSC1	NM_000368	23	21	3	106	744	32139	170,05	100
chr9	136218684	136218964	SURF1	NM_003172	9	9	9,8	70,82	779	34517	122,84	100.0,59.8
chr9	136219349	136219685	SURF1	NM_003172	9	9	7,6	163,73	685	30638	90,91	70.6,100.0
chr9	136220674	136220853	SURF1	NM_003172	9	9	5	192	837	36751	204,17	63,5
chr9	136221467	136221848	SURF1	NM_003172	9	9	4,3	83.134	787	35916	94,02	100.0,100.0
chr9	136223165	136223617	SURF1	NM_003172	9	9	2,1	52,54	1	26	0,06	21.2,100.0
chr9	138593957	138594148	KCNT1	NM_020822	31	31	1	110	14	503	2,62	40
chr9	138606367	138606632	KCNT1	NM_020822	31	31	2	144	14	657	2,47	100
chr9	138641895	138642071	KCNT1	NM_020822	31	31	3	80	164	7257	41	100
chr9	138642722	138642898	KCNT1	NM_020822	31	31	4	100	76	3376	19,07	100

chr9	138645635	138645838	KCNT1	NM_020822	31	31	5	57	95	3723	18,25	98,2
chr9	138646884	138647093	KCNT1	NM_020822	31	31	6	49	240	10628	50,61	100
chr9	138648660	138648839	KCNT1	NM_020822	31	31	7	60	85	3526	19,59	100
chr9	138648959	138649230	KCNT1	NM_020822	31	31	8,9	75,84	354	17238	63,38	100.0,100.0
chr9	138650173	138650361	KCNT1	NM_020822	31	31	10	95	537	22652	119,85	100
chr9	138651523	138651702	KCNT1	NM_020822	31	31	11	181	132	5800	32,22	98,3
chr9	138656855	138657043	KCNT1	NM_020822	31	31	12	165	640	27207	143,95	100
chr9	138657467	138657676	KCNT1	NM_020822	31	31	13	137	72	3257	15,51	100
chr9	138660484	138660859	KCNT1	NM_020822	31	31	14,15	64.109	149	6819	18,14	56.2,100.0
chr9	138661704	138661910	KCNT1	NM_020822	31	31	16	109	12	509	2,46	100
chr9	138662133	138662318	KCNT1	NM_020822	31	31	17	150	134	5628	30,26	100
chr9	138662624	138662895	KCNT1	NM_020822	31	31	18	239	163	7559	27,79	80,8
chr9	138664534	138664814	KCNT1	NM_020822	31	31	19	235	48	2069	7,36	100
chr9	138667156	138667377	KCNT1	NM_020822	31	31	20	106	161	7347	33,09	100
chr9	138669124	138669309	KCNT1	NM_020822	31	31	21	173	418	18609	100,05	72,8
chr9	138670220	138670408	KCNT1	NM_020822	31	31	22	72	48	1922	10,17	100
chr9	138670455	138670670	KCNT1	NM_020822	31	31	23	135	119	5025	23,26	100
chr9	138671202	138671378	KCNT1	NM_020822	31	31	24	112	122	5068	28,63	100
chr9	138675856	138676062	KCNT1	NM_020822	31	31	25	102	432	18649	90,09	100
chr9	138676365	138676725	KCNT1	NM_020822	31	31	26,27	84.129	94	4259	11,8	100.0,92.2
chr9	138677123	138677323	KCNT1	NM_020822	31	31	28	21	20	869	4,32	100
chr9	138678069	138678441	KCNT1	NM_020822	31	31	29	325	49	2191	5,87	92
chr9	138683634	138684080	KCNT1	NM_020822	31	31	30,31	85.121	416	18839	42,15	100.0,100.0
chr9	139324037	139324240	INPP5E	NM_019892	10	10	10	133	731	32712	160,35	85,7
chr9	139324720	139324911	INPP5E	NM_019892	10	10	9	137	191	8755	45,6	100
chr9	139325417	139325611	INPP5E	NM_019892	10	10	8	116	414	18834	96,58	100
chr9	139326301	139326495	INPP5E	NM_019892	10	10	7	162	100	4201	21,54	84,6
chr9	139326926	139327105	INPP5E	NM_019892	10	10	6	108	25	969	5,38	100
chr9	139327344	139327689	INPP5E	NM_019892	10	10	5,4	120.125	303	13018	37,62	100.0,66.4
chr9	139328485	139328700	INPP5E	NM_019892	10	10	3	98	91	3911	18,11	100
chr9	139329201	139329422	INPP5E	NM_019892	10	10	2	124	32	1336	6,02	92,7
chr9	139332991	139333970	INPP5E	NM_019892	10	10	1	812	72	2810	2,87	100
chr9	139568156	139568362	AGPAT2	NM_006412	6	6	6	176	8	346	1,67	90,3
chr9	139569134	139569307	AGPAT2	NM_006412	6	6	5	73	40	1724	9,91	100
chr9	139571026	139571211	AGPAT2	NM_006412	6	6	4	96	25	1009	5,42	100
chr9	139571400	139571600	AGPAT2	NM_006412	6	6	3	176	295	12385	61,62	100
chr9	139571871	139572071	AGPAT2	NM_006412	6	6	2	134	96	4222	21	100
chr9	139581544	139581815	AGPAT2	NM_006412	6	6	1	182	18	733	2,69	100
chr9	139981380	139981648	MAN1B1	NM_016219	13	13	1	219	90	3798	14,12	90
chr9	139982420	139982605	MAN1B1	NM_016219	13	13	2	109	706	30506	164,01	72,5
chr9	139983240	139983413	MAN1B1	NM_016219	13	13	3	137	91	3600	20,69	67,9
chr9	139990617	139990793	MAN1B1	NM_016219	13	13	4	155	225	10100	57,06	67,7
chr9	139992219	139992413	MAN1B1	NM_016219	13	13	5	110	111	4709	24,15	100
chr9	139994125	139994295	MAN1B1	NM_016219	13	13	6	186	782	32011	187,2	79,6
chr9	139995382	139995555	MAN1B1	NM_016219	13	13	7	149	248	10709	61,55	66,4
chr9	139995838	139996281	MAN1B1	NM_016219	13	13	8	189	1632	75461	169,96	100
chr9	140000216	140000733	MAN1B1	NM_016219	13	13	9	191	465	21625	41,75	82,2
chr9	140001151	140001366	MAN1B1	NM_016219	13	13	10	121	126	5156	23,87	91,7
chr9	140001744	140002519	MAN1B1	NM_016219	13	13	11,12	198.132	711	32242	41,55	78.8,100.0
chr9	140002802	140003144	MAN1B1	NM_016219	13	13	13	204	912	44162	128,75	100
chr9	140033851	140034276	GRIN1	NM_001185090	21	21	1	258	370	17364	40,76	100
chr9	140036371	140036556	GRIN1	NM_001185090	21	21	2	135	1335	52757	283,64	68,1
chr9	140040174	140040356	GRIN1	NM_001185090	21	21	3	177	113	4668	25,51	100
chr9	140042501	140042689	GRIN1	NM_001185090	21	21	4	63	154	6669	35,29	100
chr9	140043437	140043643	GRIN1	NM_001185090	21	21	5	101	127	5070	24,49	100
chr9	140051073	140051430	GRIN1	NM_001185090	21	21	6,7	122.175	71	3161	8,83	100.0,66.3
chr9	140052765	140053122	GRIN1	NM_001185090	21	21	8,9	145,84	218	9569	26,73	100.0,59.5

chr9	140055504	140055864	GRIN1	NM_001185090	21	21	10,11	142.128	106	4394	12,17	100,0,96,9
chr9	140056354	140057745	GRIN1	NM_001185090	21	21	12,13,14,15,16,17	165.119.113.149.158.000	623	29466	21,17	100,0,100,0,100,0,100,0,77,2
chr9	140057953	140058624	GRIN1	NM_001185090	21	21	18,19	110.146	399	19131	28,47	100,0,100,0
chr9	140059556	140059806	GRIN1	NM_001185090	21	21	20	111	623	28610	113,98	100
chr9	140061838	140062441	GRIN1	NM_001185090	21	21	21	69	89	4010	6,64	100
chr9	140513309	140513503	EHMT1	NM_024757	27	27	1	21	0	0	0	100
chr9	140605289	140605474	EHMT1	NM_024757	27	27	2	64	339	13548	72,84	87,5
chr9	140611110	140611731	EHMT1	NM_024757	27	27	3	557	1221	57559	92,54	94,3
chr9	140622727	140622930	EHMT1	NM_024757	27	27	4	181	107	4497	22,04	71,8
chr9	140637816	140638004	EHMT1	NM_024757	27	27	5	158	83	3671	19,42	100
chr9	140638407	140638616	EHMT1	NM_024757	27	27	6	189	199	7057	33,6	72
chr9	140646667	140646846	EHMT1	NM_024757	27	27	7	78	526	23632	131,29	82,1
chr9	140648531	140648707	EHMT1	NM_024757	27	27	8	121	184	8111	45,82	70,2
chr9	140652342	140652515	EHMT1	NM_024757	27	27	9	132	1208	51672	296,97	92,4
chr9	140657036	140657227	EHMT1	NM_024757	27	27	10	146	416	17568	91,5	69,2
chr9	140669496	140669702	EHMT1	NM_024757	27	27	11	144	61	2588	12,5	98,6
chr9	140670982	140671259	EHMT1	NM_024757	27	27	12	227	461	20996	75,53	83,7
chr9	140672395	140672583	EHMT1	NM_024757	27	27	13	174	957	36371	192,44	64,9
chr9	140674060	140674257	EHMT1	NM_024757	27	27	14	83	495	21384	108	100
chr9	140676650	140676823	EHMT1	NM_024757	27	27	15	107	458	19294	110,89	75,7
chr9	140685281	140685481	EHMT1	NM_024757	27	27	16	123	517	22654	112,71	100
chr9	140693221	140693430	EHMT1	NM_024757	27	27	17	102	632	25628	122,04	100
chr9	140695328	140695522	EHMT1	NM_024757	27	27	18	105	474	20208	103,63	100
chr9	140705826	140706017	EHMT1	NM_024757	27	27	19	155	70	2909	15,15	67,7
chr9	140707393	140707572	EHMT1	NM_024757	27	27	20	168	151	6341	35,23	68,5
chr9	140707878	140708069	EHMT1	NM_024757	27	27	21	145	232	9660	50,31	72,4
chr9	140708764	140708964	EHMT1	NM_024757	27	27	22	78	2037	85801	426,87	100
chr9	140710281	140710505	EHMT1	NM_024757	27	27	23	116	281	12066	53,63	92,2
chr9	140711767	140711985	EHMT1	NM_024757	27	27	24	87	432	19333	88,28	100
chr9	140712527	140712703	EHMT1	NM_024757	27	27	25	79	413	17185	97,09	81
chr9	140728761	140728958	EHMT1	NM_024757	27	27	26	176	144	6552	33,09	89,8
chr9	140729244	140729471	EHMT1	NM_024757	27	27	27	181	16	576	2,53	89,5
chr10	12110949	12111143	DHTKD1	NM_018706	17	17	1	154	55	2455	12,59	72,1
chr10	12123379	12123582	DHTKD1	NM_018706	17	17	2	156	1084	47346	232,09	71,8
chr10	12126520	12126702	DHTKD1	NM_018706	17	17	3	212	215	8776	47,96	77,4
chr10	12129593	12129799	DHTKD1	NM_018706	17	17	4	195	382	17687	85,44	69,7
chr10	12130925	12131214	DHTKD1	NM_018706	17	17	5	270	1073	50660	174,69	85,2
chr10	12133500	12133691	DHTKD1	NM_018706	17	17	6	172	97	4088	21,29	100
chr10	12136008	12136297	DHTKD1	NM_018706	17	17	7	199	546	24004	82,77	100
chr10	12139604	12139973	DHTKD1	NM_018706	17	17	8	313	989	45141	122	93
chr10	12142070	12142258	DHTKD1	NM_018706	17	17	9	85	113	5164	27,32	96,5
chr10	12142998	12143210	DHTKD1	NM_018706	17	17	10	140	603	25575	120,07	100
chr10	12148201	12148398	DHTKD1	NM_018706	17	17	11	151	777	31532	159,25	100
chr10	12149935	12150132	DHTKD1	NM_018706	17	17	12	107	517	21048	106,3	74,8
chr10	12154934	12155146	DHTKD1	NM_018706	17	17	13	165	819	36900	173,24	78,8
chr10	12159657	12159839	DHTKD1	NM_018706	17	17	14	83	214	9608	52,5	100
chr10	12160795	12160980	DHTKD1	NM_018706	17	17	15	170	331	13526	72,72	72,4
chr10	12162069	12162257	DHTKD1	NM_018706	17	17	16	86	591	25007	132,31	89,5
chr10	12162714	12162988	DHTKD1	NM_018706	17	17	17	102	312	14121	51,35	100
chr10	26986639	26986842	PDSS1	NM_014317	12	12	1	129	1	32	0,16	100
chr10	26993471	26993692	PDSS1	NM_014317	12	12	3	65	158	6736	30,34	100
chr10	26994093	26994299	PDSS1	NM_014317	12	12	4	109	193	8351	40,34	78
chr10	26998606	26998779	PDSS1	NM_014317	12	12	5	131	307	12617	72,51	70,2
chr10	27009192	27009389	PDSS1	NM_014317	12	12	6	142	787	33169	167,52	68,3
chr10	27012732	27013101	PDSS1	NM_014317	12	12	7,8	112.110	820	37956	102,58	100,0,100,0
chr10	27024230	27024593	PDSS1	NM_014317	12	12	9,10	81.114	1416	64816	178,07	24,7,100,0
chr10	27031431	27031625	PDSS1	NM_014317	12	12	11	81	79	3138	16,09	93,8

chr10	27035172	27035535	PDSS1	NM_014317	12	12	12	141	1535	72941	200,39	100
chr10	27793209	27793569	RAB18	NM_001256410	8	8	1	68	128	6089	16,87	100
chr10	27798806	27798997	RAB18	NM_001256410	8	8	2	56	380	16336	85,08	96,4
chr10	27815699	27815985	RAB18	NM_001256410	8	8	3	62	142	6284	21,9	100
chr10	27820361	27820558	RAB18	NM_001256410	8	8	4	87	89	3990	20,15	100
chr10	27821377	27821559	RAB18	NM_001256410	8	8	5	73	113	4412	24,11	100
chr10	27822713	27822981	RAB18	NM_001256410	8	8	6,7	119,67	732	31497	117,09	58,8,100.0
chr10	27826825	27827102	RAB18	NM_001256410	8	8	8	176	483	22127	79,59	88,6
chr10	50666731	50667272	ERCC6	NM_000124	21	20	21	420	1679	80616	148,74	98,1
chr10	50668303	50668494	ERCC6	NM_000124	21	20	20	79	416	17765	92,53	96,2
chr10	50669474	50669674	ERCC6	NM_000124	21	20	19	205	415	17985	89,48	62,9
chr10	50678169	50679160	ERCC6	NM_000124	21	20	18,17	708.146	3993	187378	188,89	100,0,95.9
chr10	50680302	50680505	ERCC6	NM_000124	21	20	16	95	354	15906	77,97	88,4
chr10	50680857	50681039	ERCC6	NM_000124	21	20	15	120	227	9297	50,8	70,8
chr10	50681510	50681707	ERCC6	NM_000124	21	20	14	111	444	19926	100,64	100
chr10	50682103	50682371	ERCC6	NM_000124	21	20	13	216	410	18696	69,5	86,1
chr10	50684178	50684381	ERCC6	NM_000124	21	20	12	96	265	12170	59,66	100
chr10	50686330	50686530	ERCC6	NM_000124	21	20	11	117	1007	44809	222,93	100
chr10	50690681	50690899	ERCC6	NM_000124	21	20	10	177	310	13695	62,53	94,4
chr10	50691337	50691546	ERCC6	NM_000124	21	20	9	171	271	11082	52,77	90,6
chr10	50701124	50701345	ERCC6	NM_000124	21	20	8	136	250	10745	48,4	100
chr10	50708631	50708822	ERCC6	NM_000124	21	20	7	159	893	39976	208,21	70,4
chr10	50713902	50714078	ERCC6	NM_000124	21	20	6	129	960	39099	220,9	100
chr10	50732016	50732755	ERCC6	NM_000124	21	20	5	745	4488	210929	285,04	90,9
chr10	50736425	50736604	ERCC6	NM_000124	21	20	4	109	1729	74157	411,98	100
chr10	50738725	50738922	ERCC6	NM_000124	21	20	3	121	202	8848	44,69	100
chr10	50740660	50741079	ERCC6	NM_000124	21	20	2	422	1224	56029	133,4	83,2
chr10	70748508	70748963	KIAA1279	NM_015634	7	7	1	426	246	10969	24,05	88
chr10	70760182	70760391	KIAA1279	NM_015634	7	7	2	99	520	21981	104,67	98
chr10	70764711	70764905	KIAA1279	NM_015634	7	7	3	80	144	5903	30,27	100
chr10	70765485	70765685	KIAA1279	NM_015634	7	7	4	184	254	11103	55,24	100
chr10	70768523	70768711	KIAA1279	NM_015634	7	7	5	85	632	28112	148,74	100
chr10	70770628	70770825	KIAA1279	NM_015634	7	7	6	116	286	11903	60,12	100
chr10	70775297	70776306	KIAA1279	NM_015634	7	7	7	876	2460	120223	119,03	100
chr10	76602532	76603203	KAT6B	NM_012330	18	16	3	621	1390	66427	98,85	94,7
chr10	76719708	76719905	KAT6B	NM_012330	18	16	4	109	602	26292	132,79	100
chr10	76729309	76729512	KAT6B	NM_012330	18	16	5	116	181	7289	35,73	81,9
chr10	76729742	76729945	KAT6B	NM_012330	18	16	6	82	327	14546	71,3	100
chr10	76732245	76732421	KAT6B	NM_012330	18	16	7	133	49	2052	11,59	100
chr10	76735117	76736040	KAT6B	NM_012330	18	16	8	932	5233	254681	275,63	94,8
chr10	76737085	76737291	KAT6B	NM_012330	18	16	9	122	289	13316	64,33	91
chr10	76738951	76739142	KAT6B	NM_012330	18	16	10	116	178	7829	40,78	100
chr10	76741545	76741736	KAT6B	NM_012330	18	16	11	142	265	11367	59,2	100
chr10	76744818	76745015	KAT6B	NM_012330	18	16	12	162	349	15611	78,84	100
chr10	76748768	76748941	KAT6B	NM_012330	18	16	13	94	473	19799	113,79	100
chr10	76780243	76780541	KAT6B	NM_012330	18	16	14	232	1098	48886	163,5	87,1
chr10	76780884	76781084	KAT6B	NM_012330	18	16	15	160	295	12450	61,94	100
chr10	76781639	76781818	KAT6B	NM_012330	18	16	16	351	174	7825	43,47	51,3
chr10	76781888	76782008	KAT6B	NM_012330	18	16	16	351	84	2810	23,22	29,1
chr10	76784772	76785049	KAT6B	NM_012330	18	16	17	292	587	26781	96,33	80,8
chr10	76788186	76788629	KAT6B	NM_012330	18	16	18	2558	442	20960	47,21	15
chr10	76788675	76790937	KAT6B	NM_012330	18	16	18	2558	11627	565654	249,96	83,3
chr10	79737112	79737475	POLR3A	NM_007055	31	31	31	149	584	28249	77,61	100
chr10	79739789	79739995	POLR3A	NM_007055	31	31	30	133	663	25868	124,97	72,9
chr10	79741223	79741426	POLR3A	NM_007055	31	31	29	132	1471	61612	302,02	72
chr10	79741818	79742033	POLR3A	NM_007055	31	31	28	165	550	24096	111,56	73,9
chr10	79742443	79742664	POLR3A	NM_007055	31	31	27	165	309	12700	57,21	80,6

chr10	79743548	79743763	POLR3A	NM_007055	31	31	26	93	657	29737	137,67	92,5
chr10	79743840	79744049	POLR3A	NM_007055	31	31	25	94	319	13525	64,4	92,6
chr10	79744843	79745049	POLR3A	NM_007055	31	31	24	171	755	32870	158,79	71,3
chr10	79745720	79745973	POLR3A	NM_007055	31	31	23,22	83,87	460	21424	84,35	28,9,100.0
chr10	79750834	79751037	POLR3A	NM_007055	31	31	21	114	257	11794	57,81	80,7
chr10	79752894	79753064	POLR3A	NM_007055	31	31	20	171	1490	65815	384,88	64,3
chr10	79759782	79759961	POLR3A	NM_007055	31	31	19	138	388	16665	92,58	68,8
chr10	79760683	79760907	POLR3A	NM_007055	31	31	18	119	294	12979	57,68	100
chr10	79761985	79762170	POLR3A	NM_007055	31	31	17	112	80	3316	17,83	73,2
chr10	79764525	79764734	POLR3A	NM_007055	31	31	16	173	560	24736	117,79	70,5
chr10	79767429	79767641	POLR3A	NM_007055	31	31	15	165	510	20746	97,4	100
chr10	79769188	79769412	POLR3A	NM_007055	31	31	14	139	1897	85804	381,35	84,9
chr10	79769615	79769818	POLR3A	NM_007055	31	31	13	128	345	15389	75,44	100
chr10	79770193	79770402	POLR3A	NM_007055	31	31	12	70	686	31095	148,07	100
chr10	79773452	79773631	POLR3A	NM_007055	31	31	11	141	120	4633	25,74	68,8
chr10	79777375	79777551	POLR3A	NM_007055	31	31	10	142	398	16934	95,67	70,4
chr10	79778835	79779053	POLR3A	NM_007055	31	31	9	104	544	21579	98,53	100
chr10	79781377	79782205	POLR3A	NM_007055	31	31	8,7,6	137.163.240	1167	55388	66,81	46,7,100.0,100.0
chr10	79784298	79784471	POLR3A	NM_007055	31	31	5	155	65	2746	15,78	100
chr10	79784729	79784944	POLR3A	NM_007055	31	31	4	172	644	28849	133,56	100
chr10	79785333	79785548	POLR3A	NM_007055	31	31	3	138	1149	47725	220,95	100
chr10	79785894	79786094	POLR3A	NM_007055	31	31	2	136	580	25015	124,45	69,1
chr10	79789048	79789236	POLR3A	NM_007055	31	31	1	44	896	39841	210,8	100
chr10	82033379	82033656	MAT1A	NM_000429	9	9	9	103	335	15278	54,96	100
chr10	82034167	82034373	MAT1A	NM_000429	9	9	8	134	817	35813	173,01	73,1
chr10	82034832	82035029	MAT1A	NM_000429	9	9	7	183	104	4346	21,95	67,8
chr10	82036058	82036365	MAT1A	NM_000429	9	9	6	219	714	31347	101,78	100
chr10	82039825	82040031	MAT1A	NM_000429	9	9	5	144	85	3809	18,4	71,5
chr10	82040451	82040651	MAT1A	NM_000429	9	9	4	113	1018	45923	228,47	86,7
chr10	82043680	82043892	MAT1A	NM_000429	9	9	3	123	341	14171	66,53	93,5
chr10	82045191	82045409	MAT1A	NM_000429	9	9	2	78	989	43057	196,61	100
chr10	82049008	82049294	MAT1A	NM_000429	9	9	1	91	1023	46683	162,66	100
chr10	89624053	89624253	PTEN	NM_000314	9	9	1	79	1401	63589	316,36	34,2
chr10	89653798	89653971	PTEN	NM_000314	9	9	2	85	323	13198	75,85	81,2
chr10	89685266	89685457	PTEN	NM_000314	9	9	3	45	242	10195	53,1	100
chr10	89690754	89690945	PTEN	NM_000314	9	9	4	44	258	11312	58,92	100
chr10	89692805	89693094	PTEN	NM_000314	9	9	5	239	1042	41913	144,53	85,4
chr10	89711920	89712111	PTEN	NM_000314	9	9	6	142	534	21297	110,92	68,3
chr10	89717667	89717861	PTEN	NM_000314	9	9	7	167	258	10926	56,03	65,9
chr10	89720547	89720747	PTEN	NM_000314	9	9	8	225	43	1073	5,34	43,1
chr10	89720761	89720877	PTEN	NM_000314	9	9	8	225	226	9362	80,02	51,1
chr10	94353092	94353301	KIF11	NM_004523	22	22	1	77	268	11063	52,68	100
chr10	94365999	94366172	KIF11	NM_004523	22	22	2	133	270	11679	67,12	100
chr10	94366333	94366518	KIF11	NM_004523	22	22	3	98	184	8549	45,96	100
chr10	94366809	94366991	KIF11	NM_004523	22	22	4	79	50	2177	11,9	96,2
chr10	94368836	94369012	KIF11	NM_004523	22	22	5	186	299	12528	70,78	68,3
chr10	94369076	94369344	KIF11	NM_004523	22	22	6	125	208	8964	33,32	100
chr10	94372792	94373004	KIF11	NM_004523	22	22	7	91	394	16733	78,56	100
chr10	94373117	94373394	KIF11	NM_004523	22	22	8	243	424	18270	65,72	100
chr10	94376450	94376638	KIF11	NM_004523	22	22	9	96	210	9116	48,23	100
chr10	94381067	94381255	KIF11	NM_004523	22	22	10	89	271	11833	62,61	100
chr10	94388541	94388726	KIF11	NM_004523	22	22	11	88	10	441	2,37	100
chr10	94389998	94390186	KIF11	NM_004523	22	22	12	189	234	10108	53,48	65,6
chr10	94392243	94392431	KIF11	NM_004523	22	22	13	208	166	7168	37,93	90,9
chr10	94393347	94393544	KIF11	NM_004523	22	22	14	173	229	10793	54,51	95,4
chr10	94396986	94397370	KIF11	NM_004523	22	22	15,16	126.159	790	34744	90,24	64.3,100.0
chr10	94399482	94399658	KIF11	NM_004523	22	22	17	107	204	8824	49,85	100

chr10	94405083	94405360	KIF11	NM_004523	22	22	18	280	363	16480	59,28	86,1
chr10	94407918	94408192	KIF11	NM_004523	22	22	19	223	386	17468	63,52	100
chr10	94409564	94409752	KIF11	NM_004523	22	22	20	152	327	14241	75,35	100
chr10	94410133	94410333	KIF11	NM_004523	22	22	21	117	169	7165	35,65	100
chr10	94413415	94413689	KIF11	NM_004523	22	22	22	132	227	10045	36,53	100
chr10	97366450	97366635	ALDH18A1	NM_002860	18	17	18	182	156	6601	35,49	64,3
chr10	97369832	97370035	ALDH18A1	NM_002860	18	17	17	96	931	40769	199,85	85,4
chr10	97371077	97371271	ALDH18A1	NM_002860	18	17	16	187	134	5993	30,73	65,8
chr10	97373533	97373955	ALDH18A1	NM_002860	18	17	15,14	122.196	2422	116868	276,28	72.1,100.0
chr10	97376244	97376444	ALDH18A1	NM_002860	18	17	13	138	537	22990	114,38	92,8
chr10	97380688	97380980	ALDH18A1	NM_002860	18	17	12	221	657	31817	108,59	87,3
chr10	97385131	97385319	ALDH18A1	NM_002860	18	17	11	94	260	9615	50,87	87,2
chr10	97386345	97386530	ALDH18A1	NM_002860	18	17	10	74	1690	69269	372,41	95,9
chr10	97387110	97387301	ALDH18A1	NM_002860	18	17	9	145	371	16163	84,18	71
chr10	97388056	97388268	ALDH18A1	NM_002860	18	17	8	125	413	18095	84,95	100
chr10	97392732	97392917	ALDH18A1	NM_002860	18	17	7	91	218	10114	54,38	82,4
chr10	97393298	97393483	ALDH18A1	NM_002860	18	17	6	159	314	14126	75,95	68,6
chr10	97396856	97397213	ALDH18A1	NM_002860	18	17	5,4	105.150	776	36847	102,92	94.3,100.0
chr10	97402830	97403012	ALDH18A1	NM_002860	18	17	3	215	80	3093	16,9	62,3
chr10	97412988	97413200	ALDH18A1	NM_002860	18	17	2	88	565	24443	114,76	100
chr10	101474201	101474561	COX15	NM_078470	9	9	9	132	614	27522	76,24	100
chr10	101476052	101476270	COX15	NM_078470	9	9	8	114	135	5398	24,65	100
chr10	101478106	101478315	COX15	NM_078470	9	9	7	155	209	9156	43,6	98,1
chr10	101480753	101480950	COX15	NM_078470	9	9	6	82	332	13640	68,89	89
chr10	101483651	101483869	COX15	NM_078470	9	9	5	168	375	16246	74,18	93,5
chr10	101486789	101486968	COX15	NM_078470	9	9	4	187	587	25141	139,67	65,8
chr10	101487155	101487343	COX15	NM_078470	9	9	3	123	473	21248	112,42	100
chr10	101489225	101489443	COX15	NM_078470	9	9	2	182	910	42716	195,05	73,6
chr10	101491703	101492137	COX15	NM_078470	9	9	1	90	461	22084	50,77	100
chr10	112328660	112328860	SMC3	NM_005445	29	29	2	76	161	6837	34,01	100
chr10	112333440	112333658	SMC3	NM_005445	29	29	3	39	67	2946	13,45	100
chr10	112334997	112335182	SMC3	NM_005445	29	29	4	68	208	9284	49,91	100
chr10	112337099	112337269	SMC3	NM_005445	29	29	5	72	652	27409	160,29	100
chr10	112337514	112337687	SMC3	NM_005445	29	29	6	80	270	12730	73,16	100
chr10	112338288	112338494	SMC3	NM_005445	29	29	7	79	533	23267	112,4	100
chr10	112340587	112340781	SMC3	NM_005445	29	29	8	118	464	20829	106,82	100
chr10	112341680	112341874	SMC3	NM_005445	29	29	9	176	209	8509	43,64	100
chr10	112342238	112342429	SMC3	NM_005445	29	29	10	81	399	18284	95,23	100
chr10	112343192	112343392	SMC3	NM_005445	29	29	11	165	400	17814	88,63	69,7
chr10	112343616	112343810	SMC3	NM_005445	29	29	12	122	676	27504	141,05	86,1
chr10	112343887	112344075	SMC3	NM_005445	29	29	13	214	171	6237	33	63,1
chr10	112349392	112349847	SMC3	NM_005445	29	29	14,15	104.100	668	30748	67,43	72.1,100.0
chr10	112350191	112350370	SMC3	NM_005445	29	29	16	161	503	21135	117,42	87
chr10	112350647	112350874	SMC3	NM_005445	29	29	17	142	369	14961	65,62	88,7
chr10	112352820	112352993	SMC3	NM_005445	29	29	18	151	432	17852	102,6	100
chr10	112356116	112356301	SMC3	NM_005445	29	29	19	153	129	5253	28,24	95,4
chr10	112357863	112358057	SMC3	NM_005445	29	29	20	152	298	13185	67,62	100
chr10	112359387	112359599	SMC3	NM_005445	29	29	21	159	401	17573	82,5	100
chr10	112360195	112360383	SMC3	NM_005445	29	29	22	108	374	15361	81,28	100
chr10	112360709	112360903	SMC3	NM_005445	29	29	23	109	156	6225	31,92	100
chr10	112361308	112361920	SMC3	NM_005445	29	29	24,25	248.213	755	35996	58,72	100.0,92.5
chr10	112362374	112362624	SMC3	NM_005445	29	29	26,27	192.178	233	9958	39,67	26.0,23.6
chr10	112362694	112363134	SMC3	NM_005445	29	29	27,28	178.107	721	32813	74,41	37.6,100.0
chr10	112364018	112364230	SMC3	NM_005445	29	29	29	72	370	16708	78,44	59,7
chr10	112723986	112724796	SHOC2	NM_007373	9	8	2	703	1451	68221	84,12	96,7
chr10	112745423	112745602	SHOC2	NM_007373	9	8	3	138	408	18541	103,01	73,2
chr10	112760104	112760304	SHOC2	NM_007373	9	8	4	131	127	5303	26,38	100

chr10	112764360	112764545	SHOC2	NM_007373	9	8	5	189	294	11897	63,96	96,3
chr10	112767249	112767449	SHOC2	NM_007373	9	8	6	123	282	11957	59,49	100
chr10	112768986	112769159	SHOC2	NM_007373	9	8	7	138	298	13392	76,97	100
chr10	112769450	112769659	SHOC2	NM_007373	9	8	8	118	236	10282	48,96	100
chr10	112771344	112771680	SHOC2	NM_007373	9	8	9	209	1117	54411	161,46	100
chr10	119302715	119303211	EMX2	NM_004098	3	3	1	406	573	25557	51,42	100
chr10	119305149	119305334	EMX2	NM_004098	3	3	2	185	130	5536	29,76	96,8
chr10	119307572	119307855	EMX2	NM_004098	3	3	3	168	133	5974	21,04	100
chr10	123238977	123239571	FGFR2	NM_022970	18	17	18	165	1806	86541	145,45	100
chr10	123243233	123243409	FGFR2	NM_022970	18	17	17	106	372	16046	90,66	80,2
chr10	123244937	123245125	FGFR2	NM_022970	18	17	16	138	910	37482	198,32	79,7
chr10	123246781	123246981	FGFR2	NM_022970	18	17	15	71	416	18071	89,91	100
chr10	123247471	123247653	FGFR2	NM_022970	18	17	14	123	284	12434	67,95	100
chr10	123255974	123256165	FGFR2	NM_022970	18	17	13	191	585	25295	131,74	62,8
chr10	123258020	123258214	FGFR2	NM_022970	18	17	12	111	834	35971	184,47	90,1
chr10	123260375	123260566	FGFR2	NM_022970	18	17	11	122	435	17982	93,66	71,3
chr10	123263207	123263407	FGFR2	NM_022970	18	17	10	152	550	22632	112,6	68,4
chr10	123274700	123274888	FGFR2	NM_022970	18	17	9	203	341	13248	70,1	66
chr10	123278157	123278369	FGFR2	NM_022970	18	17	8	148	97	4243	19,92	100
chr10	123279452	123279649	FGFR2	NM_022970	18	17	7	191	351	15264	77,09	82,2
chr10	123297803	123298172	FGFR2	NM_022970	18	17	6	124	943	42497	114,86	54
chr10	123310743	123310913	FGFR2	NM_022970	18	17	5	170	776	35185	205,76	64,7
chr10	123324011	123324202	FGFR2	NM_022970	18	17	4	78	430	17266	89,93	100
chr10	123324878	123325161	FGFR2	NM_022970	18	17	3	267	1976	90252	317,79	78,7
chr10	123353144	123353430	FGFR2	NM_022970	18	17	2	109	1869	82349	286,93	100
chr11	532484	532708	HRAS	NM_001130442	5	4	5	120	89	3314	14,73	60,8
chr11	533268	533957	HRAS	NM_001130442	5	4	4,3	160.179	1708	80135	116,14	100,0,100,0
chr11	534144	534332	HRAS	NM_001130442	5	4	2	111	91	3725	19,71	100
chr11	791861	792932	SLC25A22	NM_024698	10	9	10,9,8,7,6	154,76,155,175,119	296	13413	12,51	100,0,100,0,100,0,100,0,52,9
chr11	793458	793637	SLC25A22	NM_024698	10	9	5	91	486	22315	123,97	100
chr11	794182	794533	SLC25A22	NM_024698	10	9	4	56	182	7785	22,12	100
chr11	794736	795093	SLC25A22	NM_024698	10	9	3,2	126,20	192	8975	25,07	100,0,100,0
chr11	6411710	6412224	SMPD1	NM_000543	6	6	1	318	576	27819	54,02	100
chr11	6412650	6413505	SMPD1	NM_000543	6	6	2	773	1066	50276	58,73	95,3
chr11	6414356	6414556	SMPD1	NM_000543	6	6	3	172	387	16306	81,12	64,5
chr11	6414739	6414939	SMPD1	NM_000543	6	6	4	77	1642	69783	347,18	100
chr11	6415150	6415937	SMPD1	NM_000543	6	6	5,6	146.410	2770	131586	166,99	83,6,100,0
chr11	17408406	17409738	KCNJ11	NM_000525	1	1	1	1173	2570	122885	92,19	100
chr11	31811327	31811592	PAX6	NM_001604	14	11	14	86	246	10135	38,1	100
chr11	31812157	31812360	PAX6	NM_001604	14	11	13	151	336	14929	73,18	68,2
chr11	31814981	31815344	PAX6	NM_001604	14	11	12,11	116.151	397	19054	52,35	100,0,96,0
chr11	31815481	31815690	PAX6	NM_001604	14	11	10	83	1281	56340	268,29	100
chr11	31816123	31816311	PAX6	NM_001604	14	11	9	159	274	11847	62,68	84,3
chr11	31822296	31822493	PAX6	NM_001604	14	11	8	166	422	17989	90,85	65,7
chr11	31823167	31823515	PAX6	NM_001604	14	11	7,6	216,42	1041	46381	132,9	73,1,100,0
chr11	31824288	31824485	PAX6	NM_001604	14	11	5	131	88	3758	18,98	72,5
chr11	31827920	31828117	PAX6	NM_001604	14	11	4	10	234	10515	53,11	100
chr11	45827240	45827926	SLC35C1	NM_018389	2	2	1	535	2187	104064	151,48	100
chr11	45832332	45833024	SLC35C1	NM_018389	2	2	2	560	704	31955	46,11	99,1
chr11	47600384	47601052	NDUFS3	NM_004551	7	7	1,2	67,66	2322	105530	157,74	100,0,100,0
chr11	47602029	47602685	NDUFS3	NM_004551	7	7	3,4	98.150	1442	69640	106	100,0,100,0
chr11	47603534	47603974	NDUFS3	NM_004551	7	7	5,6	126.120	2793	129555	293,78	100,0,61,7
chr11	47605911	47606114	NDUFS3	NM_004551	7	7	7	168	739	32788	160,73	73,2
chr11	62457753	62458300	BSCL2	NM_001122955	11	11	11,10,9	155,81,81	420	18937	34,56	100,0,100,0,51,9
chr11	62458575	62458932	BSCL2	NM_001122955	11	11	8,7	67.142	1412	66567	185,94	58,2,100,0
chr11	62459730	62459933	BSCL2	NM_001122955	11	11	6	98	1021	45794	224,48	87,8
chr11	62460038	62460229	BSCL2	NM_001122955	11	11	5	135	1160	49287	256,7	70,4

chr11	62462076	62462261	BSCL2	NM_001122955	11	11	4	144	861	33399	179,56	75
chr11	62469841	62470062	BSCL2	NM_001122955	11	11	3	82	999	46209	208,15	100
chr11	62472674	62473046	BSCL2	NM_001122955	11	11	2	317	329	15430	41,37	86,4
chr11	62474594	62474785	BSCL2	NM_001122955	11	11	1	87	532	22124	115,23	85,1
chr11	65487143	65488285	RNASEH2C	NM_032193	4	4	4,3,2,1	27.120.176.172	2306	111348	97,42	100.0,100.0,100.0,100.0
chr11	65837929	65838372	PACS1	NM_018026	24	24	1	356	14	582	1,31	100
chr11	65960849	65961043	PACS1	NM_018026	24	24	2	88	335	14926	76,54	98,9
chr11	65977807	65978007	PACS1	NM_018026	24	24	3	90	1364	56833	282,75	100
chr11	65978495	65978704	PACS1	NM_018026	24	24	4	126	15	681	3,24	79,4
chr11	65983621	65983815	PACS1	NM_018026	24	24	5	145	478	20671	106,01	78,6
chr11	65983931	65984288	PACS1	NM_018026	24	24	6,7	92,81	1315	61253	171,1	100.0,100.0
chr11	65987045	65987316	PACS1	NM_018026	24	24	8	60	853	37386	137,45	100
chr11	65988051	65988263	PACS1	NM_018026	24	24	9	161	260	11634	54,62	100
chr11	65988514	65988711	PACS1	NM_018026	24	24	10	94	928	39233	198,15	92,6
chr11	65994971	65995177	PACS1	NM_018026	24	24	11	81	227	9791	47,3	100
chr11	65997946	65998362	PACS1	NM_018026	24	24	12,13	116.136	731	33865	81,21	100.0,64.0
chr11	65999525	65999731	PACS1	NM_018026	24	24	14	105	582	26299	127,05	84,8
chr11	66000455	66000655	PACS1	NM_018026	24	24	15	107	598	25320	125,97	77,6
chr11	66001244	66001417	PACS1	NM_018026	24	24	16	155	396	16230	93,28	100
chr11	66001554	66001742	PACS1	NM_018026	24	24	17	111	698	30138	159,46	100
chr11	66002791	66002991	PACS1	NM_018026	24	24	18	103	184	8206	40,83	81,6
chr11	66003289	66003504	PACS1	NM_018026	24	24	19	43	3274	148336	686,74	100
chr11	66006135	66006320	PACS1	NM_018026	24	24	20	43	229	10547	56,7	100
chr11	66006526	66006708	PACS1	NM_018026	24	24	21	136	542	24105	131,72	70,6
chr11	66008827	66009116	PACS1	NM_018026	24	24	22	227	311	13211	45,56	96,5
chr11	66010374	66010784	PACS1	NM_018026	24	24	23,24	120.116	553	25595	62,27	100.0,100.0
chr11	66278115	66278324	BBS1	NM_024649	17	17	1	47	562	20477	97,51	100
chr11	66278367	66278804	BBS1	NM_024649	17	17	2,3	77,35	3762	174904	399,32	100.0,100.0
chr11	66281944	66282197	BBS1	NM_024649	17	17	4	273	1313	60446	237,98	75,5
chr11	66283014	66283451	BBS1	NM_024649	17	17	5,6,7	47,39,73	891	37436	85,47	93.6,100.0,100.0
chr11	66287101	66287328	BBS1	NM_024649	17	17	8	132	488	20317	89,11	90,2
chr11	66288726	66288935	BBS1	NM_024649	17	17	9	107	379	14955	71,21	100
chr11	66290844	66291314	BBS1	NM_024649	17	17	10,11	121.159	1956	86301	183,23	100.0,75.5
chr11	66293453	66293659	BBS1	NM_024649	17	17	12	70	661	29546	142,73	94,3
chr11	66294042	66294417	BBS1	NM_024649	17	17	13	159	1483	65250	173,54	100
chr11	66297313	66297528	BBS1	NM_024649	17	17	14	134	73	3074	14,23	82,8
chr11	66298340	66298528	BBS1	NM_024649	17	17	15	135	1348	51560	272,8	100
chr11	66299176	66299631	BBS1	NM_024649	17	17	16,17	87,87	158	6744	14,79	43.7,100.0
chr11	66616288	66616808	PC	NM_022172	21	20	21,20	249.141	1298	62228	119,44	100.0,76.6
chr11	66617082	66617928	PC	NM_022172	21	20	19,18,17	249.180.245	1794	85307	100,72	100.0,100.0,97.1
chr11	66618201	66618804	PC	NM_022172	21	20	16,15	250.241	250	11129	18,43	77.6,100.0
chr11	66619172	66619366	PC	NM_022172	21	20	14	157	207	8998	46,14	67,5
chr11	66619873	66620301	PC	NM_022172	21	20	13,12	222,90	884	39490	92,05	100.0,93.3
chr11	66620738	66620935	PC	NM_022172	21	20	11	145	114	5114	25,83	80,7
chr11	66631271	66631477	PC	NM_022172	21	20	10	183	84	4000	19,32	85,8
chr11	66633713	66633889	PC	NM_022172	21	20	9	163	7	265	1,5	66,3
chr11	66636257	66636430	PC	NM_022172	21	20	8	119	62	2627	15,1	95,8
chr11	66637823	66638008	PC	NM_022172	21	20	7	152	277	12030	64,68	67,1
chr11	66638239	66639005	PC	NM_022172	21	20	6,5,4	118.146.166	1046	48912	63,77	100.0,100.0,100.0
chr11	66639163	66639695	PC	NM_022172	21	20	3,2	185.136	259	11465	21,51	97.3,100.0
chr11	67374322	67374593	NDUFV1	NM_007103	10	10	1	72	83	3918	14,4	100
chr11	67375774	67376134	NDUFV1	NM_007103	10	10	2,3	83.171	1200	54751	151,66	100.0,65.5
chr11	67376980	67377174	NDUFV1	NM_007103	10	10	4	184	91	3758	19,27	69
chr11	67377776	67377991	NDUFV1	NM_007103	10	10	5	190	486	21755	100,72	73,7
chr11	67378480	67378677	NDUFV1	NM_007103	10	10	6	213	467	19216	97,05	93
chr11	67378871	67379056	NDUFV1	NM_007103	10	10	7	167	275	12123	65,18	100
chr11	67379393	67379999	NDUFV1	NM_007103	10	10	8,9,10	82,146,87	369	16271	26,81	69.5,100.0,100.0

chr11	67799673	67799891	NDUFS8	NM_002496	7	6	2,3	58,51	302	13285	60,66	6.9,100.0
chr11	67800425	67800960	NDUFS8	NM_002496	7	6	4,5	90.173	578	27233	50,81	61.1,100.0
chr11	67803694	67804137	NDUFS8	NM_002496	7	6	6,7	129.132	1202	52660	118,6	100.0,100.0
chr11	71146030	71146944	DHCR7	NM_001163817	9	7	9	465	1298	62007	67,77	100
chr11	71148865	71149041	DHCR7	NM_001163817	9	7	8	132	622	27156	153,42	94,7
chr11	71149995	71150180	DHCR7	NM_001163817	9	7	7	205	625	26883	144,53	65,9
chr11	71152354	71152527	DHCR7	NM_001163817	9	7	6	214	582	24317	139,75	62,1
chr11	71153304	71153513	DHCR7	NM_001163817	9	7	5	91	674	29429	140,14	100
chr11	71155025	71155290	DHCR7	NM_001163817	9	7	4	223	522	24720	92,93	100
chr11	71155782	71155982	DHCR7	NM_001163817	9	7	3	98	932	40661	202,29	83,7
chr11	93517596	93517846	MED17	NM_004268	12	12	1	250	303	13554	54	66,8
chr11	93521097	93521478	MED17	NM_004268	12	12	2	167	385	17724	46,4	100
chr11	93523691	93523959	MED17	NM_004268	12	12	3	220	324	15141	56,29	100
chr11	93526900	93527242	MED17	NM_004268	12	12	4,5	137,85	418	17478	50,96	95.6,100.0
chr11	93528085	93528273	MED17	NM_004268	12	12	6	153	445	17812	94,24	92,8
chr11	93529597	93529800	MED17	NM_004268	12	12	7	131	261	11413	55,95	84
chr11	93530662	93530850	MED17	NM_004268	12	12	8	185	131	5665	29,97	81,1
chr11	93534945	93535124	MED17	NM_004268	12	12	9	138	217	8548	47,49	89,9
chr11	93540684	93540872	MED17	NM_004268	12	12	10	118	487	20183	106,79	100
chr11	93542937	93543122	MED17	NM_004268	12	12	11	160	2687	117985	634,33	66,2
chr11	93544970	93545312	MED17	NM_004268	12	12	12	212	717	31909	93,03	100
chr11	111656971	111657278	ALG9	NM_024740	16	16	16	124	558	26235	85,18	100
chr11	111680304	111680498	ALG9	NM_024740	16	16	15	131	341	14388	73,78	100
chr11	111706927	111707097	ALG9	NM_024740	16	16	14	140	45	1832	10,71	70
chr11	111708125	111708337	ALG9	NM_024740	16	16	13	138	133	6016	28,24	99,3
chr11	111708913	111709131	ALG9	NM_024740	16	16	12	151	179	7520	34,34	100
chr11	111711321	111711524	ALG9	NM_024740	16	16	11	155	160	7005	34,34	94,8
chr11	111715221	111715424	ALG9	NM_024740	16	16	10	123	276	12189	59,75	82,1
chr11	111724115	111724478	ALG9	NM_024740	16	16	9,8	106,88	510	23833	65,48	88.7,100.0
chr11	111728364	111728537	ALG9	NM_024740	16	16	7	136	108	4866	27,97	71,3
chr11	111731248	111731439	ALG9	NM_024740	16	16	6	89	126	5397	28,11	100
chr11	111735781	111735978	ALG9	NM_024740	16	16	5	71	76	3514	17,75	100
chr11	111739363	111739542	ALG9	NM_024740	16	16	4	135	203	8331	46,28	71,9
chr11	111740878	111741051	ALG9	NM_024740	16	16	3	139	197	7532	43,29	69,8
chr11	111742112	111742312	ALG9	NM_024740	16	16	2,1	71,60	148	5930	29,5	47.9,100.0
chr11	118967629	118968226	DPAGT1	NM_001382	9	9	9,8,7	66,156,88	1434	66600	111,37	100.0,100.0,60.2
chr11	118968513	118968737	DPAGT1	NM_001382	9	9	6	189	307	13028	57,9	91,5
chr11	118969113	118969325	DPAGT1	NM_001382	9	9	5	85	112	4947	23,23	100
chr11	118970878	118971084	DPAGT1	NM_001382	9	9	4	147	200	8043	38,86	76,9
chr11	118971333	118971844	DPAGT1	NM_001382	9	9	3,2	214.121	1652	79400	155,08	100.0,96.7
chr11	118972250	118972432	DPAGT1	NM_001382	9	9	1	161	50	1877	10,26	72
chr11	119535367	119536023	PVRL1	NM_002855	6	6	6	551	682	32054	48,79	100
chr11	119545865	119546071	PVRL1	NM_002855	6	6	5	152	596	27271	131,74	100
chr11	119547839	119548030	PVRL1	NM_002855	6	6	4	118	172	8123	42,31	77,1
chr11	119548262	119548619	PVRL1	NM_002855	6	6	3	303	1050	48998	136,87	100
chr11	119549089	119549449	PVRL1	NM_002855	6	6	2	351	357	16320	45,21	92,6
chr11	119599143	119599423	PVRL1	NM_002855	6	6	1	79	112	4632	16,48	100
chr11	121174020	121174285	SC5DL	NM_006918	5	4	2	210	205	8480	31,88	95,7
chr11	121175059	121175256	SC5DL	NM_006918	5	4	3	133	498	23053	116,43	100
chr11	121177126	121177403	SC5DL	NM_006918	5	4	4	101	528	23317	83,87	69,3
chr11	121177814	121178358	SC5DL	NM_006918	5	4	5	456	1130	53913	98,92	89,5
chr11	125830757	125831040	CDON	NM_001243597	20	19	20	164	654	29776	104,85	100
chr11	125831494	125831830	CDON	NM_001243597	20	19	19	344	779	35081	104,1	81,7
chr11	125848186	125848404	CDON	NM_001243597	20	19	18	80	180	7694	35,13	100
chr11	125850964	125851247	CDON	NM_001243597	20	19	17	281	1070	49352	173,77	92,9
chr11	125853809	125854074	CDON	NM_001243597	20	19	16	222	857	38006	142,88	81,1
chr11	125859501	125859680	CDON	NM_001243597	20	19	15	123	388	17109	95,05	100

chr11	125864206	125864391	CDON	NM_001243597	20	19	14	106	105	4547	24,45	74,5
chr11	125864693	125864890	CDON	NM_001243597	20	19	13	182	417	17504	88,4	68,7
chr11	125867043	125867228	CDON	NM_001243597	20	19	12	204	350	15478	83,22	62,3
chr11	125871648	125871830	CDON	NM_001243597	20	19	11	132	148	6087	33,26	74,2
chr11	125873722	125874085	CDON	NM_001243597	20	19	10	175	730	35068	96,34	100
chr11	125875694	125876048	CDON	NM_001243597	20	19	9	299	897	41101	115,78	86,6
chr11	125880265	125880619	CDON	NM_001243597	20	19	8	354	1312	61524	173,31	91,8
chr11	125885012	125885446	CDON	NM_001243597	20	19	7	270	3312	160640	369,29	100
chr11	125887037	125887326	CDON	NM_001243597	20	19	6	288	614	26952	92,94	81,2
chr11	125888268	125888441	CDON	NM_001243597	20	19	5	144	322	12916	74,23	70,1
chr11	125889429	125889549	CDON	NM_001243597	20	19	4	147	251	9566	79,06	24,5
chr11	125891213	125891487	CDON	NM_001243597	20	19	3	273	183	8127	29,55	74,4
chr11	125893247	125893477	CDON	NM_001243597	20	19	2	76	376	15421	66,76	100
chr11	126294368	126294891	KIRREL3	NM_032531	17	17	17	444	409	19007	36,27	93,9
chr11	126295445	126295645	KIRREL3	NM_032531	17	17	16	87	268	11254	55,99	100
chr11	126299103	126299273	KIRREL3	NM_032531	17	17	15	110	531	22842	133,58	73,6
chr11	126301156	126301368	KIRREL3	NM_032531	17	17	14	108	1033	42148	197,88	50,9
chr11	126305092	126305268	KIRREL3	NM_032531	17	17	13	36	452	19182	108,37	100
chr11	126306656	126306841	KIRREL3	NM_032531	17	17	12	199	124	5431	29,2	68,3
chr11	126310020	126310481	KIRREL3	NM_032531	17	17	11	101	866	40001	86,58	100
chr11	126314911	126315087	KIRREL3	NM_032531	17	17	10	127	93	3700	20,9	70,9
chr11	126316692	126316871	KIRREL3	NM_032531	17	17	9	128	542	22843	126,91	70,3
chr11	126318805	126319017	KIRREL3	NM_032531	17	17	8	149	543	23436	110,03	76,5
chr11	126326271	126326450	KIRREL3	NM_032531	17	17	7	106	202	8573	47,63	74,5
chr11	126333056	126333250	KIRREL3	NM_032531	17	17	6	151	477	20723	106,27	97,4
chr11	126343161	126343343	KIRREL3	NM_032531	17	17	5	158	132	5984	32,7	88,6
chr11	126391253	126391444	KIRREL3	NM_032531	17	17	4	150	150	6397	33,32	71,3
chr11	126396410	126396613	KIRREL3	NM_032531	17	17	3	150	408	17306	84,83	100
chr11	126432732	126432953	KIRREL3	NM_032531	17	17	2	78	483	20951	94,37	97,4
chr11	126870292	126870468	KIRREL3	NM_032531	17	17	1	55	384	16574	93,64	100
chr11	133938802	133939032	JAM3	NM_032801	9	9	1	76	26	1028	4,45	71,1
chr11	134009618	134009821	JAM3	NM_032801	9	9	2	66	138	5907	28,96	100
chr11	134010541	134010732	JAM3	NM_032801	9	9	3	114	269	9872	51,42	100
chr11	134014075	134014287	JAM3	NM_032801	9	9	4	153	584	25941	121,79	99,3
chr11	134014718	134014992	JAM3	NM_032801	9	9	5	203	757	35408	128,76	84,7
chr11	134015811	134016023	JAM3	NM_032801	9	9	6	100	63	2909	13,66	100
chr11	134018473	134018732	JAM3	NM_032801	9	9	7,8	130,55	492	21566	82,95	76,2,100.0
chr12	2162603	2162788	CACNA1C	NM_199460	50	50	1	49	186	8150	43,82	100
chr12	2224295	2224673	CACNA1C	NM_199460	50	50	2	322	401	17813	47	88,2
chr12	2229427	2229618	CACNA1C	NM_199460	50	50	3	106	765	32982	171,78	100
chr12	2558035	2558238	CACNA1C	NM_199460	50	50	4	140	142	6284	30,8	69,3
chr12	2566653	2566826	CACNA1C	NM_199460	50	50	5	140	381	16928	97,29	67,1
chr12	2595239	2595436	CACNA1C	NM_199460	50	50	6	159	720	32242	162,84	100
chr12	2602278	2602487	CACNA1C	NM_199460	50	50	7	197	757	30847	146,89	67
chr12	2614030	2614215	CACNA1C	NM_199460	50	50	8	104	163	6870	36,94	78,8
chr12	2622020	2622226	CACNA1C	NM_199460	50	50	9	173	240	10785	52,1	75,7
chr12	2659032	2659208	CACNA1C	NM_199460	50	50	10	91	390	16971	95,88	100
chr12	2666011	2666184	CACNA1C	NM_199460	50	50	11	27	374	16021	92,07	100
chr12	2675582	2675758	CACNA1C	NM_199460	50	50	12	161	223	9445	53,36	100
chr12	2676631	2676926	CACNA1C	NM_199460	50	50	13	226	599	25388	85,77	85
chr12	2690821	2691006	CACNA1C	NM_199460	50	50	14	208	321	13329	71,66	68,8
chr12	2691872	2692093	CACNA1C	NM_199460	50	50	15	121	395	16455	74,12	87,6
chr12	2693577	2693762	CACNA1C	NM_199460	50	50	16	115	766	32955	177,18	81,7
chr12	2694453	2694632	CACNA1C	NM_199460	50	50	17	121	157	6347	35,26	75,2
chr12	2694862	2695065	CACNA1C	NM_199460	50	50	18	70	289	12244	60,02	92,9
chr12	2702272	2702469	CACNA1C	NM_199460	50	50	19	133	226	9523	48,1	68,4
chr12	2705062	2705351	CACNA1C	NM_199460	50	50	20	130	1668	71933	248,04	83,1

chr12	2706376	2706653	CACNA1C	NM_199460	50	50	21,22	60,60	886	39626	142,54	100,0,85,0
chr12	2710954	2711136	CACNA1C	NM_199460	50	50	23	107	1061	48343	264,17	100
chr12	2714120	2714323	CACNA1C	NM_199460	50	50	24	88	1497	62064	304,24	87,5
chr12	2714842	2715066	CACNA1C	NM_199460	50	50	25	108	867	37997	168,88	100
chr12	2715645	2715833	CACNA1C	NM_199460	50	50	26	53	586	23719	125,5	100
chr12	2716122	2716313	CACNA1C	NM_199460	50	50	27	147	362	15990	83,28	100
chr12	2717751	2717930	CACNA1C	NM_199460	50	50	28	202	316	14561	80,89	63,4
chr12	2719751	2719933	CACNA1C	NM_199460	50	50	29	159	301	12422	67,88	72,3
chr12	2721101	2721286	CACNA1C	NM_199460	50	50	30	111	366	14964	80,45	71,2
chr12	2742786	2743001	CACNA1C	NM_199460	50	50	31	84	1239	54427	251,98	100
chr12	2743358	2743576	CACNA1C	NM_199460	50	50	32	84	249	10214	46,64	100
chr12	2757505	2757684	CACNA1C	NM_199460	50	50	33	33	1067	44630	247,94	100
chr12	2760724	2760930	CACNA1C	NM_199460	50	50	34	129	778	33745	163,02	96,9
chr12	2762980	2763207	CACNA1C	NM_199460	50	50	35	66	968	40024	175,54	100
chr12	2764206	2764385	CACNA1C	NM_199460	50	50	36	92	1852	78551	436,39	79,3
chr12	2773903	2774112	CACNA1C	NM_199460	50	50	37	166	282	11277	53,7	73,5
chr12	2774760	2774954	CACNA1C	NM_199460	50	50	38	128	673	29419	150,87	89,8
chr12	2775853	2776065	CACNA1C	NM_199460	50	50	39	97	202	8702	40,85	99
chr12	2778109	2778309	CACNA1C	NM_199460	50	50	40	103	177	7502	37,32	90,3
chr12	2783559	2783777	CACNA1C	NM_199460	50	50	41	102	108	4552	20,79	69,6
chr12	2786153	2786356	CACNA1C	NM_199460	50	50	42	128	558	22579	110,68	75,8
chr12	2786910	2787092	CACNA1C	NM_199460	50	50	43	135	541	21088	115,23	91,9
chr12	2788536	2788893	CACNA1C	NM_199460	50	50	44	353	713	31419	87,76	80,5
chr12	2791004	2791192	CACNA1C	NM_199460	50	50	45	105	246	10257	54,27	73,3
chr12	2791754	2791948	CACNA1C	NM_199460	50	50	46	129	289	12200	62,56	70,5
chr12	2795327	2795557	CACNA1C	NM_199460	50	50	48	104	336	14075	60,93	100
chr12	2797538	2797886	CACNA1C	NM_199460	50	50	49	333	439	20144	57,72	82,3
chr12	2800129	2800492	CACNA1C	NM_199460	50	50	50	300	257	10804	29,68	79
chr12	7342892	7343086	PEX5	NM_001131023	16	15	2	192	75	3362	17,24	58,9
chr12	7343467	7343646	PEX5	NM_001131023	16	15	3	36	465	19766	109,81	100
chr12	7343862	7344035	PEX5	NM_001131023	16	15	4	133	567	23852	137,08	69,9
chr12	7344205	7344384	PEX5	NM_001131023	16	15	5	132	479	20668	114,82	69,7
chr12	7351488	7351685	PEX5	NM_001131023	16	15	6	103	568	23820	120,3	76,7
chr12	7354366	7354566	PEX5	NM_001131023	16	15	7	91	199	7491	37,27	79,1
chr12	7354857	7355051	PEX5	NM_001131023	16	15	8	111	314	13227	67,83	82
chr12	7355084	7355281	PEX5	NM_001131023	16	15	9	93	442	17720	89,49	79,6
chr12	7356063	7356233	PEX5	NM_001131023	16	15	10	120	575	23091	135,04	70,8
chr12	7360163	7360351	PEX5	NM_001131023	16	15	11	144	288	12444	65,84	67,4
chr12	7360615	7360806	PEX5	NM_001131023	16	15	12	71	770	33866	176,39	87,3
chr12	7360995	7361183	PEX5	NM_001131023	16	15	13	213	338	13901	73,55	61,5
chr12	7361649	7361831	PEX5	NM_001131023	16	15	14	166	319	14345	78,39	71,1
chr12	7362218	7362809	PEX5	NM_001131023	16	15	15,16	158,202	2442	114337	193,14	100,0,95,0
chr12	13715674	13717539	GRIN2B	NM_000834	13	12	13	1857	7457	355719	190,63	98,2
chr12	13719931	13720232	GRIN2B	NM_000834	13	12	12	239	652	27671	91,63	100
chr12	13722814	13723023	GRIN2B	NM_000834	13	12	11	188	485	19303	91,92	73,4
chr12	13724648	13724848	GRIN2B	NM_000834	13	12	10	161	397	17525	87,19	68,9
chr12	13761442	13761737	GRIN2B	NM_000834	13	12	9	230	755	32613	110,18	87,4
chr12	13764681	13764866	GRIN2B	NM_000834	13	12	8	126	473	20535	110,4	82,5
chr12	13767973	13768158	GRIN2B	NM_000834	13	12	7	154	640	24508	131,76	72,1
chr12	13768412	13768606	GRIN2B	NM_000834	13	12	6	172	640	28804	147,71	100
chr12	13769455	13769664	GRIN2B	NM_000834	13	12	5	203	1207	52084	248,02	67,5
chr12	13828617	13828811	GRIN2B	NM_000834	13	12	4	115	493	21570	110,62	100
chr12	13906267	13906885	GRIN2B	NM_000834	13	12	3	599	1089	52117	84,2	97,3
chr12	14018781	14019221	GRIN2B	NM_000834	13	12	2	411	1500	68696	155,77	88,1
chr12	21953964	21954173	ABCC9	NM_020297	38	38	38	138	672	29921	142,48	100
chr12	21958907	21959137	ABCC9	NM_020297	38	38	37	63	366	14656	63,45	100
chr12	21960267	21960470	ABCC9	NM_020297	38	38	36	134	891	37513	183,89	100

chr12	21962743	21962925	ABCC9	NM_020297	38	38	35	104	402	17521	95,74	100
chr12	21964936	21965121	ABCC9	NM_020297	38	38	34	109	293	13306	71,54	100
chr12	21967552	21967743	ABCC9	NM_020297	38	38	33	79	285	13186	68,68	100
chr12	21968691	21968906	ABCC9	NM_020297	38	38	32	131	475	20686	95,77	100
chr12	21970080	21970274	ABCC9	NM_020297	38	38	31	121	660	29661	152,11	100
chr12	21971040	21971231	ABCC9	NM_020297	38	38	30	102	533	24433	127,26	100
chr12	21981908	21982102	ABCC9	NM_020297	38	38	29	103	303	12982	66,57	84,5
chr12	21990972	21991193	ABCC9	NM_020297	38	38	28	93	268	11957	53,86	100
chr12	21995175	21995357	ABCC9	NM_020297	38	38	27	158	171	7299	39,89	69,6
chr12	21997387	21997581	ABCC9	NM_020297	38	38	26	70	200	8506	43,62	100
chr12	21997680	21997886	ABCC9	NM_020297	38	38	25	149	323	14359	69,37	100
chr12	21998511	21998791	ABCC9	NM_020297	38	38	24	230	1173	52881	188,19	100
chr12	22001049	22001258	ABCC9	NM_020297	38	38	23	97	492	21185	100,88	100
chr12	22005050	22005487	ABCC9	NM_020297	38	38	22,21	126.138	1272	59523	135,9	84,9,100.0
chr12	22012459	22012674	ABCC9	NM_020297	38	38	20	81	572	25065	116,04	100
chr12	22013876	22014073	ABCC9	NM_020297	38	38	19	85	485	20866	105,38	100
chr12	22015768	22015992	ABCC9	NM_020297	38	38	18	102	528	24099	107,11	100
chr12	22017216	22017428	ABCC9	NM_020297	38	38	17	39	123	5544	26,03	100
chr12	22025496	22025723	ABCC9	NM_020297	38	38	16	106	378	16827	73,8	100
chr12	22028526	22028708	ABCC9	NM_020297	38	38	15	73	330	13328	72,83	100
chr12	22035653	22035856	ABCC9	NM_020297	38	38	14	108	533	23033	112,91	100
chr12	22040689	22040892	ABCC9	NM_020297	38	38	13	109	269	10890	53,38	100
chr12	22046924	22047148	ABCC9	NM_020297	38	38	12	143	100	4462	19,83	100
chr12	22048059	22048259	ABCC9	NM_020297	38	38	11	41	463	19038	94,72	100
chr12	22058980	22059177	ABCC9	NM_020297	38	38	10	163	632	26862	135,67	72,4
chr12	22060977	22061168	ABCC9	NM_020297	38	38	9	135	314	12680	66,04	100
chr12	22063068	22063256	ABCC9	NM_020297	38	38	8	156	440	19534	103,35	100
chr12	22063705	22063905	ABCC9	NM_020297	38	38	7	153	313	13059	64,97	95,4
chr12	22065808	22066017	ABCC9	NM_020297	38	38	6	195	191	8598	40,94	99
chr12	22068537	22068829	ABCC9	NM_020297	38	38	5	243	538	24724	84,38	93,8
chr12	22069811	22070020	ABCC9	NM_020297	38	38	4	167	386	16246	77,36	89,8
chr12	22078872	22079081	ABCC9	NM_020297	38	38	3	122	398	17388	82,8	100
chr12	22086692	22086889	ABCC9	NM_020297	38	38	2	142	467	20268	102,36	100
chr12	22089437	22089622	ABCC9	NM_020297	38	38	1	142	132	5265	28,31	100
chr12	25362728	25362931	KRAS	NM_033360	6	4	6	4666	189	8122	39,81	2,5
chr12	25368397	25368579	KRAS	NM_033360	6	4	5	120	361	16126	88,12	81,7
chr12	25378482	25378652	KRAS	NM_033360	6	4	4	160	392	15737	92,03	65,6
chr12	25380090	25380281	KRAS	NM_033360	6	4	3	179	251	11102	57,82	63,7
chr12	25398237	25398416	KRAS	NM_033360	6	4	2	111	369	14657	81,43	73,9
chr12	49415443	49416197	MLL2	NM_003482	54	54	54,53,52	93,109,74	3019	145804	193,12	100.0,100.0,100.0
chr12	49416359	49416630	MLL2	NM_003482	54	54	51	286	1516	67445	247,96	90,2
chr12	49418349	49418694	MLL2	NM_003482	54	54	50,49	131.137	683	30961	89,48	100.0,74.5
chr12	49419882	49421060	MLL2	NM_003482	54	54	48	1141	2711	130019	110,28	96,1
chr12	49421544	49421919	MLL2	NM_003482	54	54	47,46	128.133	2465	112941	300,38	100.0,96.2
chr12	49422654	49423349	MLL2	NM_003482	54	54	45,44,43	131,176,76	1540	72401	104,02	67.2,100.0,100.0
chr12	49424010	49428708	MLL2	NM_003482	54	54	42,41,40,39,38,37,36,35	160,168,141,2790,233,67,85,124	13398	639887	136,18	100.0,100.0,100.0,100.0,100.0,100.0,100.0,91.9
chr12	49430848	49432722	MLL2	NM_003482	54	54	34	1865	3361	161895	86,34	97,3
chr12	49432973	49435505	MLL2	NM_003482	54	54	33,32,31,30	137,183,1812,51	1584	73913	29,18	100.0,100.0,100.0,100.0
chr12	49435631	49436065	MLL2	NM_003482	54	54	29,28	74.242	2474	116076	266,84	100.0,80.2
chr12	49436384	49436735	MLL2	NM_003482	54	54	27,26	85.138	846	37715	107,14	52.9,100.0
chr12	49436785	49437160	MLL2	NM_003482	54	54	25,24	111,66	889	39910	106,14	100.0,22.7
chr12	49437373	49437745	MLL2	NM_003482	54	54	23,22	148.131	1339	56829	152,36	100.0,72.5
chr12	49438020	49438392	MLL2	NM_003482	54	54	21,20	105.120	1145	49900	133,78	64.8,100.0
chr12	49438562	49438839	MLL2	NM_003482	54	54	19	222	668	29086	104,63	84,2
chr12	49439649	49440178	MLL2	NM_003482	54	54	18,17,16	48.110.165	1994	94582	178,46	100.0,100.0,82.4
chr12	49440360	49440563	MLL2	NM_003482	54	54	15	182	280	11605	56,89	94,5
chr12	49441771	49441956	MLL2	NM_003482	54	54	14	105	653	27194	146,2	78,1

chr12	49442369	49442551	MLL2	NM_003482	54	54	13	111	519	21068	115,13	99,1
chr12	49442894	49443109	MLL2	NM_003482	54	54	12	114	139	6114	28,31	94,7
chr12	49443512	49446583	MLL2	NM_003482	54	54	11,10,9	11.091.539.146	5019	229636	74,75	95.8,100.0,100.0
chr12	49446608	49447386	MLL2	NM_003482	54	54	8,7,6	158.115.166	4530	216149	277,47	100.0,100.0,77.1
chr12	49447792	49448896	MLL2	NM_003482	54	54	5,4,3,2	163.110.224.127	3486	168988	152,93	81.0,100.0,100.0,100.0
chr12	49448922	49449107	MLL2	NM_003482	54	54	1	49	452	19625	105,51	100
chr12	49579731	49579851	TUBA1A	NM_006009	4	4	4	981	289	10827	89,48	4,4
chr12	49580219	49580419	TUBA1A	NM_006009	4	4	3,2	149.223	224	8562	42,6	15,4,11,7
chr12	49580569	49580689	TUBA1A	NM_006009	4	4	2	223	57	1815	15	21,5
chr12	49582606	49582791	TUBA1A	NM_006009	4	4	1	3	359	15321	82,37	100
chr12	50898828	50899007	DIP2B	NM_173602	38	38	1	100	2	87	0,48	84
chr12	51019697	51019888	DIP2B	NM_173602	38	38	2	72	171	7963	41,47	100
chr12	51034410	51034598	DIP2B	NM_173602	38	38	3	129	842	34487	182,47	71,3
chr12	51053885	51054070	DIP2B	NM_173602	38	38	4	126	241	10200	54,84	74,6
chr12	51065043	51065249	DIP2B	NM_173602	38	38	5	213	687	29422	142,14	65,3
chr12	51068222	51068449	DIP2B	NM_173602	38	38	6	156	1109	50436	221,21	100
chr12	51069071	51069265	DIP2B	NM_173602	38	38	7	120	399	18271	93,7	100
chr12	51072511	51072767	DIP2B	NM_173602	38	38	8	198	921	43790	170,39	75,3
chr12	51074439	51074624	DIP2B	NM_173602	38	38	9	92	148	5793	31,15	100
chr12	51076890	51077120	DIP2B	NM_173602	38	38	10	111	603	25237	109,25	100
chr12	51079589	51079768	DIP2B	NM_173602	38	38	11	124	274	12065	67,03	100
chr12	51080274	51080489	DIP2B	NM_173602	38	38	12	110	468	20670	95,69	100
chr12	51084761	51084937	DIP2B	NM_173602	38	38	13	103	150	6349	35,87	100
chr12	51086702	51086908	DIP2B	NM_173602	38	38	14	65	307	12922	62,43	100
chr12	51089029	51089226	DIP2B	NM_173602	38	38	15	94	425	19204	96,99	100
chr12	51089587	51089802	DIP2B	NM_173602	38	38	16	120	755	33636	155,72	100
chr12	51090752	51090925	DIP2B	NM_173602	38	38	17	115	1100	46175	265,37	71,3
chr12	51092014	51092217	DIP2B	NM_173602	38	38	18	140	301	13888	68,08	76,4
chr12	51092804	51093025	DIP2B	NM_173602	38	38	19	137	495	22121	99,64	100
chr12	51097865	51098077	DIP2B	NM_173602	38	38	20	81	147	6384	29,97	100
chr12	51100284	51100469	DIP2B	NM_173602	38	38	21	128	494	22225	119,49	100
chr12	51102139	51102324	DIP2B	NM_173602	38	38	22	115	220	8928	48	81,7
chr12	51108151	51108351	DIP2B	NM_173602	38	38	23	202	137	5600	27,86	86,1
chr12	51112534	51112891	DIP2B	NM_173602	38	38	24,25	110,81	1093	50382	140,73	61.8,100.0
chr12	51115089	51115274	DIP2B	NM_173602	38	38	26	124	722	31662	170,23	73,4
chr12	51117005	51117196	DIP2B	NM_173602	38	38	27	122	633	25997	135,4	83,6
chr12	51118528	51118755	DIP2B	NM_173602	38	38	28	112	311	13562	59,48	100
chr12	51121389	51121574	DIP2B	NM_173602	38	38	29	110	1314	57449	308,87	80,9
chr12	51122220	51122432	DIP2B	NM_173602	38	38	30	131	714	30393	142,69	77,9
chr12	51125090	51125296	DIP2B	NM_173602	38	38	31	169	491	21352	103,15	85,8
chr12	51126208	51126390	DIP2B	NM_173602	38	38	32	171	517	21807	119,16	65,5
chr12	51127863	51128045	DIP2B	NM_173602	38	38	33	62	563	23663	129,31	100
chr12	51128814	51129026	DIP2B	NM_173602	38	38	34	58	948	42763	200,77	100
chr12	51130755	51130943	DIP2B	NM_173602	38	38	35	75	204	8528	45,12	100
chr12	51133105	51133305	DIP2B	NM_173602	38	38	36	178	550	22680	112,84	64
chr12	51135175	51135390	DIP2B	NM_173602	38	38	37	124	155	6622	30,66	100
chr12	51138313	51138620	DIP2B	NM_173602	38	38	38	253	995	44938	145,9	99,2
chr12	52056614	52056885	SCN8A	NM_014191	27	26	2	276	684	31196	114,69	95,7
chr12	52077904	52078119	SCN8A	NM_014191	27	26	3	119	274	11892	55,06	100
chr12	52080132	52080329	SCN8A	NM_014191	27	26	4	90	183	8256	41,7	100
chr12	52080847	52081032	SCN8A	NM_014191	27	26	5	129	775	32172	172,97	100
chr12	52082557	52082935	SCN8A	NM_014191	27	26	6	92	898	39166	103,34	83,7
chr12	52093387	52093658	SCN8A	NM_014191	27	26	7	222	376	17414	64,02	85,1
chr12	52094856	52095059	SCN8A	NM_014191	27	26	8	64	371	16176	79,29	100
chr12	52096596	52096793	SCN8A	NM_014191	27	26	9	142	247	10737	54,23	72,5
chr12	52099245	52099424	SCN8A	NM_014191	27	26	10	207	90	3805	21,14	78,7
chr12	52100245	52100528	SCN8A	NM_014191	27	26	11	294	118	5639	19,86	86,7

chr12	52115355	52115807	SCN8A	NM_014191	27	26	12	363	946	38737	85,51	93,1
chr12	52139667	52139870	SCN8A	NM_014191	27	26	13	133	146	6129	30,04	100
chr12	52145177	52145463	SCN8A	NM_014191	27	26	14	239	1398	65621	228,64	84,1
chr12	52156225	52156413	SCN8A	NM_014191	27	26	15	174	680	30114	159,33	73
chr12	52159416	52159782	SCN8A	NM_014191	27	26	16	357	665	30354	82,71	91,9
chr12	52162551	52163086	SCN8A	NM_014191	27	26	17	471	3122	141385	263,78	93
chr12	52163586	52163768	SCN8A	NM_014191	27	26	18	118	609	26777	146,32	99,2
chr12	52164325	52164534	SCN8A	NM_014191	27	26	19	155	410	17918	85,32	92,3
chr12	52167914	52168084	SCN8A	NM_014191	27	26	20	174	536	21796	127,46	64,4
chr12	52174381	52174605	SCN8A	NM_014191	27	26	21	123	41	1975	8,78	100
chr12	52180378	52180664	SCN8A	NM_014191	27	26	22	285	445	20372	70,98	81,8
chr12	52182480	52182680	SCN8A	NM_014191	27	26	23	54	190	8193	40,76	98,1
chr12	52183108	52183287	SCN8A	NM_014191	27	26	24	138	845	36555	203,08	68,8
chr12	52184061	52184267	SCN8A	NM_014191	27	26	25	105	141	6213	30,01	81,9
chr12	52188092	52188363	SCN8A	NM_014191	27	26	26	271	975	42216	155,21	77,1
chr12	52200014	52201189	SCN8A	NM_014191	27	26	27	1148	3865	187361	159,32	97,9
chr12	56396265	56396536	SUOX	NM_000456	6	3	5	178	1543	71659	263,45	100
chr12	56397422	56398908	SUOX	NM_000456	6	3	6	1410	8579	404639	272,12	98,6
chr12	65110522	65110710	GNS	NM_002076	14	14	14	79	164	7612	40,28	98,7
chr12	65113838	65114041	GNS	NM_002076	14	14	13	161	536	24200	118,63	77,6
chr12	65115389	65115601	GNS	NM_002076	14	14	12	111	75	3388	15,91	87,4
chr12	65116811	65116999	GNS	NM_002076	14	14	11	108	591	26425	139,81	76,9
chr12	65122650	65122847	GNS	NM_002076	14	14	10	102	229	9603	48,5	100
chr12	65130780	65130965	GNS	NM_002076	14	14	9	104	199	8093	43,51	100
chr12	65133185	65133391	GNS	NM_002076	14	14	8	119	76	3395	16,4	79,8
chr12	65134281	65134469	GNS	NM_002076	14	14	7	83	304	12345	65,32	100
chr12	65136859	65137041	GNS	NM_002076	14	14	6	168	223	9655	52,76	72
chr12	65138471	65138689	GNS	NM_002076	14	14	5	99	749	34140	155,89	100
chr12	65139362	65139586	GNS	NM_002076	14	14	4	66	804	34851	154,89	100
chr12	65141479	65141655	GNS	NM_002076	14	14	3	207	189	8050	45,48	79,2
chr12	65146478	65146693	GNS	NM_002076	14	14	2	60	103	4594	21,27	100
chr12	65152797	65152997	GNS	NM_002076	14	14	1	192	39	1798	8,95	69,3
chr12	76739517	76741643	BBS10	NM_024685	2	2	2	1975	4096	196841	92,54	100
chr12	76741918	76742222	BBS10	NM_024685	2	2	1	197	170	7140	23,41	100
chr12	88443010	88443290	CEP290	NM_025114	54	53	54	231	59	2763	9,83	78,8
chr12	88444136	88444342	CEP290	NM_025114	54	53	53	80	437	18507	89,41	93,8
chr12	88447348	88447545	CEP290	NM_025114	54	53	52	95	331	12973	65,52	100
chr12	88448065	88448244	CEP290	NM_025114	54	53	51	74	752	31296	173,87	100
chr12	88449323	88449508	CEP290	NM_025114	54	53	50	142	259	10789	58,01	100
chr12	88452580	88452774	CEP290	NM_025114	54	53	49	173	1238	53092	272,27	86,7
chr12	88453656	88453850	CEP290	NM_025114	54	53	48	123	285	11817	60,6	100
chr12	88454660	88454848	CEP290	NM_025114	54	53	47	165	63	2704	14,31	67,9
chr12	88456363	88456536	CEP290	NM_025114	54	53	46	87	260	11009	63,27	78,2
chr12	88457766	88457957	CEP290	NM_025114	54	53	45	135	235	9616	50,08	94,1
chr12	88462302	88462478	CEP290	NM_025114	54	53	44	124	357	15638	88,35	97,6
chr12	88465063	88465239	CEP290	NM_025114	54	53	43	156	610	26072	147,3	100
chr12	88465542	88465724	CEP290	NM_025114	54	53	42	146	142	5914	32,32	100
chr12	88470932	88471123	CEP290	NM_025114	54	53	41	123	317	14208	74	100
chr12	88471420	88471694	CEP290	NM_025114	54	53	40	222	378	17021	61,89	99,5
chr12	88472846	88473031	CEP290	NM_025114	54	53	39	138	196	7433	39,96	100
chr12	88473944	88474132	CEP290	NM_025114	54	53	38	214	363	15911	84,19	81,3
chr12	88476846	88477022	CEP290	NM_025114	54	53	37	200	332	13210	74,63	81
chr12	88477517	88477732	CEP290	NM_025114	54	53	36	108	145	6283	29,09	100
chr12	88478361	88478620	CEP290	NM_025114	54	53	35	267	497	22215	85,44	96,6
chr12	88479809	88480003	CEP290	NM_025114	54	53	34	135	114	4623	23,71	100
chr12	88480136	88480318	CEP290	NM_025114	54	53	33	108	299	12559	68,63	100
chr12	88481568	88481759	CEP290	NM_025114	54	53	32	165	109	4360	22,71	93,3

chr12	88482891	88483301	CEP290	NM_025114	54	53	31	456	972	44812	109,03	82
chr12	88484427	88484624	CEP290	NM_025114	54	53	30	112	254	10691	53,99	100
chr12	88486433	88486627	CEP290	NM_025114	54	53	29	152	850	37684	193,25	100
chr12	88487558	88487746	CEP290	NM_025114	54	53	28	206	754	31454	166,42	91,7
chr12	88490659	88490844	CEP290	NM_025114	54	53	27	112	175	7340	39,46	100
chr12	88496613	88496789	CEP290	NM_025114	54	53	26	174	62	2313	13,07	100
chr12	88500383	88500835	CEP290	NM_025114	54	53	25,24	231.103	728	34756	76,72	100,0,61.2
chr12	88502731	88502943	CEP290	NM_025114	54	53	23	116	83	3497	16,42	87,1
chr12	88505013	88505213	CEP290	NM_025114	54	53	22	150	175	6728	33,47	77,3
chr12	88505461	88505646	CEP290	NM_025114	54	53	21	165	501	20171	108,45	100
chr12	88508146	88508328	CEP290	NM_025114	54	53	20	143	302	12822	70,07	92,3
chr12	88508789	88508977	CEP290	NM_025114	54	53	19	85	126	5239	27,72	100
chr12	88510804	88510983	CEP290	NM_025114	54	53	18	113	128	5184	28,8	100
chr12	88512237	88512529	CEP290	NM_025114	54	53	17,16	88.101	707	31417	107,23	100,0,100.0
chr12	88513826	88514002	CEP290	NM_025114	54	53	15	163	211	8281	46,79	68,7
chr12	88514749	88514955	CEP290	NM_025114	54	53	14	170	919	40421	195,27	100
chr12	88519020	88519217	CEP290	NM_025114	54	53	13	124	164	7313	36,93	100
chr12	88519987	88520178	CEP290	NM_025114	54	53	12	123	513	22867	119,1	69,9
chr12	88522703	88522882	CEP290	NM_025114	54	53	11	90	359	15747	87,48	100
chr12	88523470	88523646	CEP290	NM_025114	54	53	10	183	374	14395	81,33	96,2
chr12	88524005	88524276	CEP290	NM_025114	54	53	9	153	694	32167	118,26	100
chr12	88524808	88524999	CEP290	NM_025114	54	53	7	54	184	7788	40,56	100
chr12	88530370	88530561	CEP290	NM_025114	54	53	6	144	515	21152	110,17	98,6
chr12	88532820	88533014	CEP290	NM_025114	54	53	5	47	166	6304	32,33	100
chr12	88533215	88533397	CEP290	NM_025114	54	53	4	70	178	7977	43,59	100
chr12	88534785	88535139	CEP290	NM_025114	54	53	3,2	78.102	319	14619	41,18	33,3,100.0
chr12	95365260	95365620	NDUFA12	NM_018838	4	4	4	181	1092	52157	144,48	75,7
chr12	95387889	95388074	NDUFA12	NM_018838	4	4	3	88	392	18876	101,48	100
chr12	95396530	95396700	NDUFA12	NM_018838	4	4	2	83	197	8313	48,61	81,9
chr12	95397259	95397459	NDUFA12	NM_018838	4	4	1	86	528	22769	113,28	100
chr12	102811519	102811817	IGF1	NM_001111285	4	4	4	186	3890	182964	611,92	100
chr12	102813334	102813525	IGF1	NM_001111285	4	4	3	182	267	11235	58,52	74,2
chr12	102869335	102869532	IGF1	NM_001111285	4	4	2	157	460	19204	96,99	71,3
chr12	102874132	102874335	IGF1	NM_001111285	4	4	1	63	456	18682	91,58	44,4
chr12	106751569	106751748	POLR3B	NM_018082	28	28	1	72	29	1335	7,42	100
chr12	106757548	106757724	POLR3B	NM_018082	28	28	2	33	126	4979	28,13	100
chr12	106760341	106760514	POLR3B	NM_018082	28	28	3,4	57,65	162	6994	40,2	17,5,100.0
chr12	106763062	106763235	POLR3B	NM_018082	28	28	5	76	162	5443	31,28	88,2
chr12	106763241	106763450	POLR3B	NM_018082	28	28	6	101	325	13933	66,35	89,1
chr12	106770124	106770306	POLR3B	NM_018082	28	28	7	92	652	28321	154,76	100
chr12	106771931	106772140	POLR3B	NM_018082	28	28	8	118	289	12910	61,48	81,4
chr12	106773738	106773932	POLR3B	NM_018082	28	28	9	109	445	19358	99,27	100
chr12	106786736	106786954	POLR3B	NM_018082	28	28	10	123	671	30248	138,12	100
chr12	106799624	106799839	POLR3B	NM_018082	28	28	11	120	290	12252	56,72	100
chr12	106804582	106804761	POLR3B	NM_018082	28	28	12	135	232	10362	57,57	100
chr12	106820991	106821176	POLR3B	NM_018082	28	28	13	162	355	16002	86,03	90,1
chr12	106824005	106824181	POLR3B	NM_018082	28	28	14	201	138	5626	31,79	65,2
chr12	106826106	106826312	POLR3B	NM_018082	28	28	15	163	357	14795	71,47	93,9
chr12	106827473	106827667	POLR3B	NM_018082	28	28	16	154	377	16405	84,13	100
chr12	106830777	106830956	POLR3B	NM_018082	28	28	17	75	146	6046	33,59	100
chr12	106831341	106831550	POLR3B	NM_018082	28	28	18	99	176	7914	37,69	92,9
chr12	106838189	106838416	POLR3B	NM_018082	28	28	19	128	681	29257	128,32	100
chr12	106848311	106848514	POLR3B	NM_018082	28	28	20	210	212	8532	41,82	85,2
chr12	106850891	106851091	POLR3B	NM_018082	28	28	21	159	327	13523	67,28	100
chr12	106852981	106853196	POLR3B	NM_018082	28	28	22	118	413	17136	79,33	100
chr12	106857238	106857414	POLR3B	NM_018082	28	28	23	143	381	14551	82,21	100
chr12	106889721	106889915	POLR3B	NM_018082	28	28	24	104	1305	54808	281,07	79,8

chr12	106890581	106890769	POLR3B	NM_018082	28	28	25	167	405	18724	99,07	69,5
chr12	106894982	106895182	POLR3B	NM_018082	28	28	26	114	353	15528	77,25	71,9
chr12	106897806	106898024	POLR3B	NM_018082	28	28	27	174	376	16517	75,42	95,4
chr12	106903237	106903413	POLR3B	NM_018082	28	28	28	130	174	7471	42,21	70
chr12	110012497	110012700	MVK	NM_001114185	11	10	2	78	671	28988	142,1	93,6
chr12	110013716	110013901	MVK	NM_001114185	11	10	3	148	505	22427	120,58	66,9
chr12	110017506	110017727	MVK	NM_001114185	11	10	4	145	744	33124	149,21	83,4
chr12	110019252	110019437	MVK	NM_001114185	11	10	5	156	426	19031	102,32	66,7
chr12	110023850	110024038	MVK	NM_001114185	11	10	6	104	215	9706	51,35	77,9
chr12	110024436	110024612	MVK	NM_001114185	11	10	7	46	156	6808	38,46	100
chr12	110028583	110028768	MVK	NM_001114185	11	10	8	91	432	18141	97,53	92,3
chr12	110029072	110029275	MVK	NM_001114185	11	10	9	117	381	15361	75,3	77,8
chr12	110032746	110032937	MVK	NM_001114185	11	10	10	154	355	14426	75,14	68,2
chr12	110034155	110034352	MVK	NM_001114185	11	10	11	152	146	6425	32,45	80,3
chr12	110719589	110719774	ATP2A2	NM_170665	20	20	1	118	52	2439	13,11	100
chr12	110720359	110720532	ATP2A2	NM_170665	20	20	2,3	18,83	802	33523	192,66	100.0,18.1
chr12	110729746	110729949	ATP2A2	NM_170665	20	20	4	105	365	16956	83,12	100
chr12	110734372	110734569	ATP2A2	NM_170665	20	20	5	139	271	11799	59,59	100
chr12	110760760	110760963	ATP2A2	NM_170665	20	20	6	81	464	19765	96,89	100
chr12	110764194	110764412	ATP2A2	NM_170665	20	20	7	86	610	25052	114,39	100
chr12	110765374	110765879	ATP2A2	NM_170665	20	20	8	465	2280	102483	202,54	96,6
chr12	110770357	110770545	ATP2A2	NM_170665	20	20	9	89	379	15844	83,83	100
chr12	110770948	110771142	ATP2A2	NM_170665	20	20	10	103	210	9220	47,28	100
chr12	110771779	110771970	ATP2A2	NM_170665	20	20	11	132	532	23476	122,27	100
chr12	110777037	110777468	ATP2A2	NM_170665	20	20	12,13	123.219	1467	68219	157,91	100.0,73.5
chr12	110778382	110778766	ATP2A2	NM_170665	20	20	14	336	871	40776	105,91	90,2
chr12	110780044	110780312	ATP2A2	NM_170665	20	20	15	221	1814	78163	290,57	95
chr12	110781055	110781273	ATP2A2	NM_170665	20	20	16	203	386	17010	77,67	91,1
chr12	110782702	110782893	ATP2A2	NM_170665	20	20	17	86	239	10326	53,78	87,2
chr12	110782999	110783175	ATP2A2	NM_170665	20	20	18	134	474	20534	116,01	91
chr12	110783720	110784427	ATP2A2	NM_170665	20	20	19,20	118.270	3377	162534	229,57	100.0,100.0
chr12	112856760	112856948	PTPN11	NM_002834	16	15	1	14	0	0	0	100
chr12	112884180	112884300	PTPN11	NM_002834	16	15	2	123	173	6181	51,08	18,7
chr12	112888273	112888393	PTPN11	NM_002834	16	15	3	195	70	2401	19,84	22,6
chr12	112891069	112891266	PTPN11	NM_002834	16	15	4	193	731	31895	161,09	63,7
chr12	112892480	112892600	PTPN11	NM_002834	16	15	5	117	39	1492	12,33	4,3
chr12	112893853	112893973	PTPN11	NM_002834	16	15	6	114	107	4039	33,38	13,2
chr12	112910820	112910940	PTPN11	NM_002834	16	15	7	97	274	10097	83,45	25,8
chr12	112915399	112915661	PTPN11	NM_002834	16	15	8,9	80.159	533	23645	89,9	100.0,0.6
chr12	112919989	112920109	PTPN11	NM_002834	16	15	10	132	766	27604	228,13	15,9
chr12	112924433	112924553	PTPN11	NM_002834	16	15	11	155	364	14433	119,28	0,6
chr12	112926943	112927063	PTPN11	NM_002834	16	15	13	152	276	9090	75,12	24,3
chr12	112940040	112940160	PTPN11	NM_002834	16	15	14	113	16	646	5,34	18,6
chr12	122277667	122278021	HPD	NM_002150	14	14	14,13	111.117	618	28091	79,13	70.3,100.0
chr12	122281543	122281746	HPD	NM_002150	14	14	12	123	787	34369	168,48	100
chr12	122284760	122285123	HPD	NM_002150	14	14	11,10	72.163	1068	48445	133,09	100.0,100.0
chr12	122286894	122287112	HPD	NM_002150	14	14	9	78	221	9603	43,85	100
chr12	122287526	122287714	HPD	NM_002150	14	14	8	104	195	8549	45,23	100
chr12	122292556	122292738	HPD	NM_002150	14	14	7	90	387	16221	88,64	100
chr12	122294197	122294563	HPD	NM_002150	14	14	6,5	83,43	1342	63379	172,69	100.0,100.0
chr12	122295224	122295409	HPD	NM_002150	14	14	4	105	237	10414	55,99	100
chr12	122295656	122295838	HPD	NM_002150	14	14	3	63	93	3720	20,33	100
chr12	122296566	122296745	HPD	NM_002150	14	14	2,1	27,3	513	20933	116,29	100.0,100.0
chr12	124197112	124197297	ATP6V0A2	NM_012463	20	20	1	117	23	1108	5,96	100
chr12	124203144	124203326	ATP6V0A2	NM_012463	20	20	2	79	131	6166	33,69	100
chr12	124206861	124207091	ATP6V0A2	NM_012463	20	20	3	98	162	7242	31,35	100
chr12	124209163	124209378	ATP6V0A2	NM_012463	20	20	4	138	95	3681	17,04	100

chr12	124210612	124210830	ATP6V0A2	NM_012463	20	20	5	89	371	15952	72,84	97,8
chr12	124212346	124212552	ATP6V0A2	NM_012463	20	20	6	127	375	15872	76,68	87,4
chr12	124218362	124218553	ATP6V0A2	NM_012463	20	20	7	83	250	10950	57,03	97,6
chr12	124220087	124220269	ATP6V0A2	NM_012463	20	20	8	94	723	28284	154,56	90,4
chr12	124221656	124221945	ATP6V0A2	NM_012463	20	20	9	213	644	28949	99,82	76,5
chr12	124228297	124228518	ATP6V0A2	NM_012463	20	20	10	151	209	9428	42,47	100
chr12	124228685	124228885	ATP6V0A2	NM_012463	20	20	11	137	457	19005	94,55	100
chr12	124229045	124229485	ATP6V0A2	NM_012463	20	20	12,13	188,91	2714	118169	267,96	100,0,62.6
chr12	124232058	124232258	ATP6V0A2	NM_012463	20	20	14	119	470	20229	100,64	88,2
chr12	124233120	124233329	ATP6V0A2	NM_012463	20	20	15	211	152	6406	30,5	98,6
chr12	124235616	124235831	ATP6V0A2	NM_012463	20	20	16	120	965	41464	191,96	100
chr12	124236759	124236962	ATP6V0A2	NM_012463	20	20	17	120	219	9720	47,65	100
chr12	124238856	124239050	ATP6V0A2	NM_012463	20	20	18	118	741	31734	162,74	71,2
chr12	124241383	124241577	ATP6V0A2	NM_012463	20	20	19	172	338	14949	76,66	87,8
chr12	124242471	124242653	ATP6V0A2	NM_012463	20	20	20	106	664	28271	154,49	100
chr12	132414143	132414731	PUS1	NM_025215	6	6	1,2	74.229	66	2954	5,02	100,0,100,0
chr12	132416586	132416842	PUS1	NM_025215	6	6	3	138	551	24110	93,81	89,1
chr12	132423596	132423820	PUS1	NM_025215	6	6	4	103	473	20984	93,26	100
chr12	132425833	132426513	PUS1	NM_025215	6	6	5	692	1459	67670	99,37	97,8
chr12	132428119	132428239	PUS1	NM_025215	6	6	6	48	163	5414	44,74	27,1
chr13	25457204	25457537	CENPJ	NM_018451	17	16	17	193	678	31336	93,82	100
chr13	25458090	25458613	CENPJ	NM_018451	17	16	16,15,14	121,85,141	1027	44335	84,61	100,0,100,0,100,0
chr13	25459392	25459589	CENPJ	NM_018451	17	16	13	111	647	27879	140,8	100
chr13	25459690	25459860	CENPJ	NM_018451	17	16	12	65	153	5994	35,05	100
chr13	25463291	25463506	CENPJ	NM_018451	17	16	11	85	214	8548	39,57	62,4
chr13	25466794	25467047	CENPJ	NM_018451	17	16	10	225	396	17302	68,12	94,2
chr13	25473593	25473790	CENPJ	NM_018451	17	16	9	166	355	16206	81,85	78,3
chr13	25478077	25478283	CENPJ	NM_018451	17	16	8	133	213	8409	40,62	90,2
chr13	25479470	25481335	CENPJ	NM_018451	17	16	7,6	1.615.103	4701	226574	121,42	100,0,100,0
chr13	25482124	25482297	CENPJ	NM_018451	17	16	5	109	888	40126	230,61	100
chr13	25483826	25484180	CENPJ	NM_018451	17	16	4	297	411	17671	49,78	85,2
chr13	25486105	25486299	CENPJ	NM_018451	17	16	3	124	129	4946	25,36	83,1
chr13	25486668	25487188	CENPJ	NM_018451	17	16	2	444	1439	67753	130,04	100
chr13	31774086	31774298	B3GALT	NM_194318	15	15	1	70	0	0	0	100
chr13	31789118	31789303	B3GALT	NM_194318	15	15	2	50	143	5766	31	100
chr13	31796957	31797133	B3GALT	NM_194318	15	15	3	40	263	11125	62,85	100
chr13	31803327	31803539	B3GALT	NM_194318	15	15	4	110	273	11543	54,19	95,5
chr13	31821097	31821312	B3GALT	NM_194318	15	15	5	77	246	9871	45,7	100
chr13	31821986	31822162	B3GALT	NM_194318	15	15	6	112	183	7402	41,82	100
chr13	31835077	31835280	B3GALT	NM_194318	15	15	7	137	320	11855	58,11	100
chr13	31843345	31843557	B3GALT	NM_194318	15	15	8	64	247	10645	49,98	100
chr13	31848680	31848850	B3GALT	NM_194318	15	15	9	120	512	23395	136,81	71,7
chr13	31850698	31850913	B3GALT	NM_194318	15	15	10	70	116	4685	21,69	100
chr13	31858714	31858905	B3GALT	NM_194318	15	15	11	114	198	8326	43,36	100
chr13	31860863	31861072	B3GALT	NM_194318	15	15	12	100	401	17363	82,68	94
chr13	31891602	31891787	B3GALT	NM_194318	15	15	13	120	438	17620	94,73	70,8
chr13	31897931	31898128	B3GALT	NM_194318	15	15	14	145	1050	46893	236,83	70,3
chr13	31903614	31903894	B3GALT	NM_194318	15	15	15	168	2606	122284	435,17	100
chr13	41367351	41367471	SLC25A15	NM_014252	7	6	2	55	869	30651	253,31	100
chr13	41373226	41373485	SLC25A15	NM_014252	7	6	3	259	1457	64833	249,36	87,3
chr13	41379294	41379470	SLC25A15	NM_014252	7	6	4	138	92	3971	22,44	71
chr13	41381420	41381605	SLC25A15	NM_014252	7	6	5	170	393	16527	88,85	100
chr13	51484045	51484245	RNASEH2B	NM_024570	11	11	1	64	99	3446	17,14	51,6
chr13	51501553	51501753	RNASEH2B	NM_024570	11	11	2	72	218	9829	48,9	86,1
chr13	51503606	51503800	RNASEH2B	NM_024570	11	11	3	108	518	22287	114,29	100
chr13	51504741	51504971	RNASEH2B	NM_024570	11	11	4	77	194	8031	34,77	100
chr13	51508974	51509177	RNASEH2B	NM_024570	11	11	5	115	204	8243	40,41	100

chr13	51517432	51517623	RNASEH2B	NM_024570	11	11	6	74	115	4618	24,05	100
chr13	51519515	51519715	RNASEH2B	NM_024570	11	11	7	106	940	40201	200	100
chr13	51522066	51522275	RNASEH2B	NM_024570	11	11	8	82	175	7951	37,86	100
chr13	51523522	51523719	RNASEH2B	NM_024570	11	11	9	43	303	12837	64,83	100
chr13	51528055	51528249	RNASEH2B	NM_024570	11	11	10	81	485	20650	105,9	82,7
chr13	51530498	51530713	RNASEH2B	NM_024570	11	11	11	117	61	2568	11,89	96,6
chr13	100633992	100635392	ZIC2	NM_007129	3	3	1	1075	1142	52494	37,47	99,9
chr13	100637133	100637306	ZIC2	NM_007129	3	3	2	164	317	13813	79,39	65,2
chr13	100637601	100637976	ZIC2	NM_007129	3	3	3	360	19	813	2,16	93,3
chr13	103459526	103460138	BIVM-ERCC5	NM_001204425	23	23	1	478	1323	63389	103,41	100
chr13	103468744	103468932	BIVM-ERCC5	NM_001204425	23	23	2	127	339	13651	72,23	100
chr13	103473310	103473510	BIVM-ERCC5	NM_001204425	23	23	3	96	100	4176	20,78	100
chr13	103474026	103474214	BIVM-ERCC5	NM_001204425	23	23	4	105	434	18208	96,34	100
chr13	103474286	103474501	BIVM-ERCC5	NM_001204425	23	23	5	95	412	17879	82,77	91,6
chr13	103483856	103484041	BIVM-ERCC5	NM_001204425	23	23	6	133	163	6788	36,49	95,5
chr13	103486767	103486943	BIVM-ERCC5	NM_001204425	23	23	7	87	403	17033	96,23	100
chr13	103490985	103491173	BIVM-ERCC5	NM_001204425	23	23	8	97	105	4575	24,21	100
chr13	103491897	103492328	BIVM-ERCC5	NM_001204425	23	23	9	232	705	32868	76,08	100
chr13	103504425	103504628	BIVM-ERCC5	NM_001204425	23	23	10	176	529	22474	110,17	91,5
chr13	103506067	103506255	BIVM-ERCC5	NM_001204425	23	23	11	116	208	8570	45,34	100
chr13	103506595	103506765	BIVM-ERCC5	NM_001204425	23	23	12	87	216	8310	48,6	100
chr13	103508268	103508471	BIVM-ERCC5	NM_001204425	23	23	13	61	282	12417	60,87	100
chr13	103510602	103510802	BIVM-ERCC5	NM_001204425	23	23	14	144	131	5860	29,15	100
chr13	103513884	103514093	BIVM-ERCC5	NM_001204425	23	23	15	208	398	17181	81,81	87
chr13	103514331	103515396	BIVM-ERCC5	NM_001204425	23	23	16	1074	3324	160100	150,19	94,7
chr13	103517896	103518330	BIVM-ERCC5	NM_001204425	23	23	17	245	626	28565	65,67	100
chr13	103518533	103518715	BIVM-ERCC5	NM_001204425	23	23	18	120	64	2569	14,04	86,7
chr13	103519048	103519263	BIVM-ERCC5	NM_001204425	23	23	19	214	68	2753	12,75	69,2
chr13	103520458	103520652	BIVM-ERCC5	NM_001204425	23	23	20	145	213	9722	49,86	100
chr13	103524565	103524792	BIVM-ERCC5	NM_001204425	23	23	21	201	739	33495	146,91	91,5
chr13	103525580	103525780	BIVM-ERCC5	NM_001204425	23	23	22	85	454	19531	97,17	100
chr13	103527677	103528292	BIVM-ERCC5	NM_001204425	23	23	23	597	671	32090	52,09	96,6
chr13	108860760	108863662	LIG4	NM_002312	2	1	2	2736	8638	423464	145,87	100
chr13	110802538	110802735	COL4A1	NM_001845	52	52	52	82	1161	50218	253,63	31,7
chr13	110804621	110804794	COL4A1	NM_001845	52	52	51	173	239	9702	55,76	65,9
chr13	110807526	110807723	COL4A1	NM_001845	52	52	50	115	424	18817	95,04	81,7
chr13	110813464	110813664	COL4A1	NM_001845	52	52	49	178	389	17536	87,24	70,8
chr13	110814525	110814719	COL4A1	NM_001845	52	52	48	213	771	34570	177,28	67,1
chr13	110815830	110816018	COL4A1	NM_001845	52	52	47	99	582	23660	125,19	79,8
chr13	110817247	110817447	COL4A1	NM_001845	52	52	46	129	332	14029	69,8	70,5
chr13	110818502	110818726	COL4A1	NM_001845	52	52	45	72	211	9838	43,72	100
chr13	110819500	110819700	COL4A1	NM_001845	52	52	44	73	290	12304	61,21	100
chr13	110821891	110822067	COL4A1	NM_001845	52	52	43	134	313	12799	72,31	68,7
chr13	110822958	110823137	COL4A1	NM_001845	52	52	42	186	483	20775	115,42	65,6
chr13	110825033	110825215	COL4A1	NM_001845	52	52	41	51	72	2696	14,73	100
chr13	110826249	110826467	COL4A1	NM_001845	52	52	40	99	965	40512	184,99	98
chr13	110826833	110827190	COL4A1	NM_001845	52	52	39,38	81.127	1201	56986	159,18	50,6,100.0
chr13	110827609	110827803	COL4A1	NM_001845	52	52	37	140	418	16256	83,36	68,6
chr13	110828720	110829305	COL4A1	NM_001845	52	52	36,35,34	90,99,153	1658	78267	133,56	100.0,100.0,48.4
chr13	110830238	110830663	COL4A1	NM_001845	52	52	33,32	90.168	781	36608	85,93	45.6,100.0
chr13	110831151	110831351	COL4A1	NM_001845	52	52	31	114	367	14481	72,04	71,9
chr13	110831655	110831867	COL4A1	NM_001845	52	52	30	151	923	39425	185,09	75,5
chr13	110833659	110833847	COL4A1	NM_001845	52	52	29	98	115	4025	21,3	79,6
chr13	110835413	110835681	COL4A1	NM_001845	52	52	28,27	105,93	588	26494	98,49	30.5,100.0
chr13	110838778	110838990	COL4A1	NM_001845	52	52	26	169	204	9098	42,71	72,8
chr13	110839408	110839620	COL4A1	NM_001845	52	52	25	192	21	906	4,25	70,8
chr13	110844522	110844740	COL4A1	NM_001845	52	52	24	71	764	32611	148,91	100

chr13	110845190	110845372	COL4A1	NM_001845	52	52	23	84	430	18327	100,15	84,5
chr13	110847344	110847550	COL4A1	NM_001845	52	52	22	96	100	4166	20,13	100
chr13	110850867	110851070	COL4A1	NM_001845	52	52	21	165	192	8068	39,55	67,9
chr13	110853109	110853333	COL4A1	NM_001845	52	52	20	36	503	21255	94,47	100
chr13	110853766	110854031	COL4A1	NM_001845	52	52	19	85	700	31004	116,56	100
chr13	110855878	110856051	COL4A1	NM_001845	52	52	18	42	314	12572	72,25	100
chr13	110857734	110857916	COL4A1	NM_001845	52	52	17,16	54,45	142	6184	33,79	37,0,100.0
chr13	110859002	110859291	COL4A1	NM_001845	52	52	15,14	51,27	273	11461	39,52	100,0,100.0
chr13	110859683	110859898	COL4A1	NM_001845	52	52	13	87	373	16096	74,52	100
chr13	110861044	110861268	COL4A1	NM_001845	52	52	12	42	1514	62989	279,95	100
chr13	110861683	110861886	COL4A1	NM_001845	52	52	11	36	139	5432	26,63	100
chr13	110862163	110862633	COL4A1	NM_001845	52	52	10,9	63,84	783	36434	77,35	100,0,100.0
chr13	110863834	110864040	COL4A1	NM_001845	52	52	8	27	298	12856	62,11	100
chr13	110864124	110864297	COL4A1	NM_001845	52	52	7	54	434	17473	100,42	100
chr13	110864809	110864991	COL4A1	NM_001845	52	52	6,5	63,45	211	9112	49,79	28,6,100.0
chr13	110866087	110866340	COL4A1	NM_001845	52	52	4,3	45,90	951	39087	153,89	100,0,75.6
chr13	110894945	110895151	COL4A1	NM_001845	52	52	2	60	475	21086	101,86	100
chr13	110959352	110959549	COL4A1	NM_001845	52	52	1	84	8	333	1,68	27,4
chr13	110960187	110960467	COL4A2	NM_001846	48	47	2,3	44,55	584	26222	93,32	100,0,94.5
chr13	111009749	111009943	COL4A2	NM_001846	48	47	4	81	153	6479	33,23	100
chr13	111077120	111077421	COL4A2	NM_001846	48	47	5,6	135,45	603	27864	92,26	71.1,100.0
chr13	111080699	111080896	COL4A2	NM_001846	48	47	7	117	251	11151	56,32	70,9
chr13	111082122	111082295	COL4A2	NM_001846	48	47	8	72	470	20457	117,57	88,9
chr13	111082696	111083145	COL4A2	NM_001846	48	47	9,10	36,63	1424	67590	150,2	100,0,100.0
chr13	111084544	111084720	COL4A2	NM_001846	48	47	11	36	239	10561	59,67	100
chr13	111086713	111086889	COL4A2	NM_001846	48	47	12	42	315	13535	76,47	100
chr13	111088516	111088784	COL4A2	NM_001846	48	47	13	99	319	14124	52,51	100
chr13	111090206	111090409	COL4A2	NM_001846	48	47	14	36	472	22640	110,98	100
chr13	111090903	111091076	COL4A2	NM_001846	48	47	15	51	310	12993	74,67	100
chr13	111092081	111092302	COL4A2	NM_001846	48	47	16	45	174	7811	35,18	100
chr13	111098087	111098266	COL4A2	NM_001846	48	47	17	54	294	12743	70,79	100
chr13	111099065	111099292	COL4A2	NM_001846	48	47	18	67	310	13410	58,82	100
chr13	111102055	111102246	COL4A2	NM_001846	48	47	19	111	829	33692	175,48	73,9
chr13	111102578	111102751	COL4A2	NM_001846	48	47	20	150	121	5075	29,17	66,7
chr13	111109619	111110121	COL4A2	NM_001846	48	47	21	93	1093	49514	98,44	100
chr13	111111048	111111227	COL4A2	NM_001846	48	47	22	164	209	9362	52,01	67,1
chr13	111114419	111114708	COL4A2	NM_001846	48	47	23,24	73.107	523	25425	87,67	100,0,78.5
chr13	111117701	111117907	COL4A2	NM_001846	48	47	25	202	111	4760	23	77,2
chr13	111118351	111118548	COL4A2	NM_001846	48	47	26	60	387	16181	81,72	98,3
chr13	111119248	111119451	COL4A2	NM_001846	48	47	27	57	87	3573	17,51	100
chr13	111121451	111121651	COL4A2	NM_001846	48	47	28	108	61	2621	13,04	81,5
chr13	111125181	111125479	COL4A2	NM_001846	48	47	29	222	85	3525	11,79	91,9
chr13	111130255	111130455	COL4A2	NM_001846	48	47	30	162	156	6621	32,94	65,4
chr13	111132623	111132811	COL4A2	NM_001846	48	47	31	171	86	3574	18,91	67,3
chr13	111134760	111134960	COL4A2	NM_001846	48	47	32	144	493	20921	104,08	68,1
chr13	111137218	111137397	COL4A2	NM_001846	48	47	33	123	151	6799	37,77	100
chr13	111138067	111138267	COL4A2	NM_001846	48	47	34	182	486	21146	105,2	64,3
chr13	111141675	111141848	COL4A2	NM_001846	48	47	35	64	707	29269	168,21	89,1
chr13	111141973	111142161	COL4A2	NM_001846	48	47	36	75	795	34363	181,81	100
chr13	111143578	111143787	COL4A2	NM_001846	48	47	37	108	347	15064	71,73	100
chr13	111144376	111144585	COL4A2	NM_001846	48	47	38	108	97	4424	21,07	100
chr13	111145523	111145732	COL4A2	NM_001846	48	47	39	72	410	16669	79,38	100
chr13	111147585	111147776	COL4A2	NM_001846	48	47	40	126	1169	50750	264,32	69,8
chr13	111153903	111154103	COL4A2	NM_001846	48	47	41	117	146	5962	29,66	76,1
chr13	111155431	111155791	COL4A2	NM_001846	48	47	42,43	162,99	318	14378	39,83	100,0,62.6
chr13	111156230	111156679	COL4A2	NM_001846	48	47	44,45	147.117	251	10759	23,91	75.5,100.0
chr13	111158799	111158984	COL4A2	NM_001846	48	47	46	192	182	7543	40,55	80,7

chr13	111160344	111160630	COL4A2	NM_001846	48	47	47	287	460	19097	66,54	78,4
chr13	111164334	111164638	COL4A2	NM_001846	48	47	48	258	699	31025	101,72	79,5
chr14	20940399	20940661	PNP	NM_000270	6	6	2	170	696	32152	122,25	100
chr14	20942528	20943383	PNP	NM_000270	6	6	3,4,5	104.176.191	1982	92806	108,42	100,0,100,0,85,3
chr14	20944453	20944908	PNP	NM_000270	6	6	6	218	3073	148525	325,71	100
chr14	29236387	29238077	FOXG1	NM_005249	1	1	1	1470	2901	135722	80,26	100
chr14	31535411	31535608	AP4S1	NM_007077	6	5	2	138	106	4774	24,11	94,2
chr14	31538934	31539122	AP4S1	NM_007077	6	5	3	87	327	13309	70,42	85,1
chr14	31542119	31542289	AP4S1	NM_007077	6	5	4	69	96	3923	22,94	88,4
chr14	31549711	31549902	AP4S1	NM_007077	6	5	5	72	56	2444	12,73	100
chr14	31553906	31554159	AP4S1	NM_007077	6	5	6	114	615	27684	108,99	100
chr14	36986430	36987249	NKX2-1	NM_001079668	3	3	3	743	200	9124	11,13	100
chr14	36988219	36988976	NKX2-1	NM_001079668	3	3	2	386	648	29824	39,35	92,5
chr14	36989310	36989486	NKX2-1	NM_001079668	3	3	1	77	344	14536	82,12	32,5
chr14	50087846	50089391	MGAT2	NM_002408	1	1	1	1344	4225	206261	133,42	100
chr14	50713748	50714022	L2HGDH	NM_024884	10	10	10	196	212	9140	33,24	100
chr14	50732008	50732220	L2HGDH	NM_024884	10	10	9	132	454	18888	88,68	100
chr14	50734479	50734679	L2HGDH	NM_024884	10	10	8	158	555	24080	119,8	94,9
chr14	50735885	50736088	L2HGDH	NM_024884	10	10	7	168	168	6645	32,57	97,6
chr14	50745097	50745279	L2HGDH	NM_024884	10	10	6	35	67	2880	15,74	100
chr14	50750584	50750799	L2HGDH	NM_024884	10	10	5	163	461	20015	92,66	100
chr14	50760798	50761010	L2HGDH	NM_024884	10	10	4	132	256	11280	52,96	100
chr14	50768671	50768874	L2HGDH	NM_024884	10	10	3	152	448	21080	103,33	92,1
chr14	50769565	50769792	L2HGDH	NM_024884	10	10	2	116	407	18415	80,77	100
chr14	50778747	50778947	L2HGDH	NM_024884	10	10	1	140	37	1309	6,51	87,1
chr14	55310419	55310936	GCH1	NM_000161	6	6	6	127	1317	62641	120,93	100
chr14	55312366	55312557	GCH1	NM_000161	6	6	5	85	2832	115937	603,84	84,7
chr14	55313795	55314007	GCH1	NM_000161	6	6	4	32	194	9151	42,96	100
chr14	55326263	55326478	GCH1	NM_000161	6	6	3	56	406	16844	77,98	100
chr14	55332011	55332187	GCH1	NM_000161	6	6	2	110	645	27232	153,85	100
chr14	55369040	55369430	GCH1	NM_000161	6	6	1	343	57	2541	6,5	99,7
chr14	66975086	66975289	GPHN	NM_020806	23	23	1	64	59	2472	12,12	68,8
chr14	67147748	67147927	GPHN	NM_020806	23	23	2	79	126	5257	29,21	100
chr14	67243071	67243295	GPHN	NM_020806	23	23	3	58	421	17920	79,64	100
chr14	67291092	67291310	GPHN	NM_020806	23	23	4	93	556	24559	112,14	100
chr14	67346585	67346758	GPHN	NM_020806	23	23	5	95	157	6260	35,98	100
chr14	67382658	67382861	GPHN	NM_020806	23	23	6	67	299	13713	67,22	100
chr14	67389366	67389649	GPHN	NM_020806	23	23	7	273	844	37874	133,36	97,8
chr14	67390844	67391074	GPHN	NM_020806	23	23	8	99	584	25048	108,43	100
chr14	67431949	67432149	GPHN	NM_020806	23	23	9	135	1219	53758	267,45	69,6
chr14	67490285	67490470	GPHN	NM_020806	23	23	10	43	471	20656	111,05	100
chr14	67525329	67525544	GPHN	NM_020806	23	23	11	138	344	15364	71,13	100
chr14	67555627	67555821	GPHN	NM_020806	23	23	12	93	383	17223	88,32	100
chr14	67567485	67567715	GPHN	NM_020806	23	23	13	56	419	18802	81,39	100
chr14	67576777	67577001	GPHN	NM_020806	23	23	14	120	287	12536	55,72	100
chr14	67578485	67578685	GPHN	NM_020806	23	23	15	59	347	14575	72,51	100
chr14	67579786	67579971	GPHN	NM_020806	23	23	16	154	172	7900	42,47	66,9
chr14	67588933	67589130	GPHN	NM_020806	23	23	17	122	620	27502	138,9	100
chr14	67610037	67610258	GPHN	NM_020806	23	23	18	88	455	19211	86,54	100
chr14	67626071	67626262	GPHN	NM_020806	23	23	19	74	146	6244	32,52	100
chr14	67631828	67632052	GPHN	NM_020806	23	23	20	65	448	19066	84,74	100
chr14	67635592	67635816	GPHN	NM_020806	23	23	21	104	1442	66359	294,93	100
chr14	67646275	67646472	GPHN	NM_020806	23	23	22	97	418	18313	92,49	100
chr14	67647480	67647781	GPHN	NM_020806	23	23	23	134	554	25222	83,52	100
chr14	70346419	70346616	SMOC1	NM_001034852	12	12	1	99	144	5904	29,82	76,8
chr14	70418762	70418962	SMOC1	NM_001034852	12	12	2	166	539	22790	113,38	65,1
chr14	70420017	70420223	SMOC1	NM_001034852	12	12	3	113	335	14934	72,14	77

chr14	70442324	70442518	SMOC1	NM_001034852	12	12	4	100	242	10233	52,48	87
chr14	70444525	70444725	SMOC1	NM_001034852	12	12	5	48	1144	50890	253,18	100
chr14	70459079	70459282	SMOC1	NM_001034852	12	12	6	57	382	17602	86,28	100
chr14	70461086	70461286	SMOC1	NM_001034852	12	12	7	81	1368	57328	285,21	100
chr14	70477409	70477591	SMOC1	NM_001034852	12	12	8	193	339	14878	81,3	62,7
chr14	70478100	70478303	SMOC1	NM_001034852	12	12	9	83	395	16075	78,8	100
chr14	70479995	70480180	SMOC1	NM_001034852	12	12	10	106	244	10757	57,83	73,6
chr14	70489940	70490202	SMOC1	NM_001034852	12	12	11	245	901	41862	159,17	91,8
chr14	70496821	70496991	SMOC1	NM_001034852	12	12	12	17	174	6551	38,31	100
chr14	74753059	74753478	ABCD4	NM_005050	19	19	19,18	69.116	1770	82394	196,18	100.0,64.7
chr14	74754525	74754695	ABCD4	NM_005050	19	19	17	77	317	14262	83,4	84,4
chr14	74754853	74755074	ABCD4	NM_005050	19	19	16	53	127	5157	23,23	100
chr14	74755331	74755525	ABCD4	NM_005050	19	19	15	50	227	9942	50,98	100
chr14	74756118	74756315	ABCD4	NM_005050	19	19	14	37	267	10839	54,74	100
chr14	74756750	74757255	ABCD4	NM_005050	19	19	13,12	92.209	1871	88721	175,34	78.3,100.0
chr14	74759025	74759622	ABCD4	NM_005050	19	19	11,10,9	90,92,122	2134	100175	167,52	61.1,100.0,100.0
chr14	74759854	74760069	ABCD4	NM_005050	19	19	8	95	391	16576	76,74	100
chr14	74761778	74761972	ABCD4	NM_005050	19	19	7	51	1223	52733	270,43	100
chr14	74762447	74762650	ABCD4	NM_005050	19	19	6	126	280	11161	54,71	74,6
chr14	74763050	74763268	ABCD4	NM_005050	19	19	5	117	258	10908	49,81	88
chr14	74764659	74764853	ABCD4	NM_005050	19	19	4	140	335	14593	74,84	81,4
chr14	74766223	74766414	ABCD4	NM_005050	19	19	3	128	149	6338	33,01	100
chr14	74766766	74766981	ABCD4	NM_005050	19	19	2	119	67	3127	14,48	100
chr14	74769612	74769732	ABCD4	NM_005050	19	19	1	38	37	1362	11,26	10,5
chr14	77743644	77743838	POMT2	NM_013382	21	21	21	106	232	9908	50,81	100
chr14	77744753	77744956	POMT2	NM_013382	21	21	20	115	68	2817	13,81	86,1
chr14	77745038	77745250	POMT2	NM_013382	21	21	19	141	44	1984	9,31	100
chr14	77745930	77746394	POMT2	NM_013382	21	21	18,17	106.60	305	14089	30,3	100.0,51.7
chr14	77746730	77746927	POMT2	NM_013382	21	21	16	72	587	25219	127,37	100
chr14	77750143	77750337	POMT2	NM_013382	21	21	15	77	548	22992	117,91	96,1
chr14	77751163	77751366	POMT2	NM_013382	21	21	14	92	323	13174	64,58	80,4
chr14	77751871	77752047	POMT2	NM_013382	21	21	13	152	724	30305	171,21	69,1
chr14	77753067	77753246	POMT2	NM_013382	21	21	12	79	291	12473	69,29	100
chr14	77755093	77755293	POMT2	NM_013382	21	21	11	70	205	8899	44,27	100
chr14	77757514	77757714	POMT2	NM_013382	21	21	10	67	285	12933	64,34	86,6
chr14	77762395	77762601	POMT2	NM_013382	21	21	9	110	537	23337	112,74	86,4
chr14	77765047	77765247	POMT2	NM_013382	21	21	8	83	209	9797	48,74	81,9
chr14	77765795	77766022	POMT2	NM_013382	21	21	7	107	504	23466	102,92	100
chr14	77767397	77767621	POMT2	NM_013382	21	21	6	160	377	17044	75,75	100
chr14	77769194	77769403	POMT2	NM_013382	21	21	5	109	523	21949	104,52	85,3
chr14	77770919	77771116	POMT2	NM_013382	21	21	4	109	50	2139	10,8	75,2
chr14	77772643	77772822	POMT2	NM_013382	21	21	3	105	531	23283	129,35	100
chr14	77778158	77778388	POMT2	NM_013382	21	21	2	85	276	11585	50,15	100
chr14	77786712	77786995	POMT2	NM_013382	21	21	1	248	42	1908	6,72	88,3
chr14	89291047	89291232	TTC8	NM_144596	15	15	1	114	191	7704	41,42	100
chr14	89299948	89300136	TTC8	NM_144596	15	15	2	30	278	12036	63,68	100
chr14	89305794	89305982	TTC8	NM_144596	15	15	3	121	162	7270	38,47	100
chr14	89307143	89307482	TTC8	NM_144596	15	15	4,5	64.160	1492	71010	208,85	100.0,63.7
chr14	89307679	89307864	TTC8	NM_144596	15	15	6	90	149	5922	31,84	100
chr14	89310041	89310250	TTC8	NM_144596	15	15	7	45	124	5464	26,02	100
chr14	89319299	89319484	TTC8	NM_144596	15	15	8	86	365	14926	80,25	100
chr14	89323498	89323695	TTC8	NM_144596	15	15	9	88	356	15740	79,49	100
chr14	89327532	89327705	TTC8	NM_144596	15	15	10	111	298	12692	72,94	100
chr14	89336411	89336596	TTC8	NM_144596	15	15	11	140	994	40386	217,13	94,3
chr14	89337831	89338025	TTC8	NM_144596	15	15	12	175	299	13020	66,77	76
chr14	89338559	89338768	TTC8	NM_144596	15	15	13	123	643	27176	129,41	77,2
chr14	89341290	89341484	TTC8	NM_144596	15	15	14	84	135	6228	31,94	100

chr14	89343604	89343783	TTC8	NM_144596	15	15	15	117	120	4166	23,14	100
chr14	102431049	102431320	DYNC1H1	NM_001376	78	78	1	256	4	148	0,54	92,2
chr14	102441950	102442168	DYNC1H1	NM_001376	78	78	2	88	114	4960	22,65	100
chr14	102445627	102445857	DYNC1H1	NM_001376	78	78	3	174	448	19777	85,61	100
chr14	102446010	102446299	DYNC1H1	NM_001376	78	78	4	256	704	31192	107,56	95,3
chr14	102446723	102446938	DYNC1H1	NM_001376	78	78	5	187	355	14611	67,64	88,2
chr14	102449326	102449917	DYNC1H1	NM_001376	78	78	6,7	272.228	833	38974	65,83	100.0,87.3
chr14	102452063	102453140	DYNC1H1	NM_001376	78	78	8	1077	3666	176241	163,49	96,4
chr14	102453779	102453964	DYNC1H1	NM_001376	78	78	9	180	834	33624	180,77	97,2
chr14	102454951	102455139	DYNC1H1	NM_001376	78	78	10	150	481	20625	109,13	66,7
chr14	102457821	102457991	DYNC1H1	NM_001376	78	78	11	147	454	18838	110,16	87,1
chr14	102460460	102460669	DYNC1H1	NM_001376	78	78	12	141	271	11377	54,18	100
chr14	102460929	102461603	DYNC1H1	NM_001376	78	78	13,14,15	177.111.120	2755	128890	190,95	100.0,100.0,71.7
chr14	102463285	102463556	DYNC1H1	NM_001376	78	78	16	240	434	20031	73,64	77,1
chr14	102466364	102466807	DYNC1H1	NM_001376	78	78	17,18	156.114	587	27032	60,88	75.6,100.0
chr14	102467223	102467980	DYNC1H1	NM_001376	78	78	19,20,21	111.210.147	2706	129187	170,43	100.0,100.0,74.1
chr14	102468924	102469361	DYNC1H1	NM_001376	78	78	22,23	167.174	844	36744	83,89	70.1,100.0
chr14	102470767	102471533	DYNC1H1	NM_001376	78	78	24,25,26	166.189.195	1545	72307	94,27	100.0,100.0,79.5
chr14	102472162	102472433	DYNC1H1	NM_001376	78	78	27	283	566	26577	97,71	73,9
chr14	102473270	102473479	DYNC1H1	NM_001376	78	78	28	101	230	10113	48,16	100
chr14	102474560	102474754	DYNC1H1	NM_001376	78	78	29	160	241	9455	48,49	71,9
chr14	102476191	102476474	DYNC1H1	NM_001376	78	78	30	244	753	35282	124,23	95,5
chr14	102476565	102476783	DYNC1H1	NM_001376	78	78	31	184	36	1453	6,63	92,9
chr14	102477157	102477327	DYNC1H1	NM_001376	78	78	32	213	171	7252	42,41	62,4
chr14	102478238	102478542	DYNC1H1	NM_001376	78	78	33	239	1471	68010	222,98	89,1
chr14	102478703	102478876	DYNC1H1	NM_001376	78	78	34	157	1076	46985	270,03	66,9
chr14	102481370	102481635	DYNC1H1	NM_001376	78	78	35	228	644	27718	104,2	85,1
chr14	102482104	102482378	DYNC1H1	NM_001376	78	78	36	231	324	14981	54,48	80,5
chr14	102482652	102482855	DYNC1H1	NM_001376	78	78	37	141	355	15365	75,32	100
chr14	102483118	102483872	DYNC1H1	NM_001376	78	78	38,39,40	234.207.122	1885	89990	119,19	93.6,100.0,100.0
chr14	102484800	102485003	DYNC1H1	NM_001376	78	78	41	166	614	26320	129,02	92,8
chr14	102486160	102486345	DYNC1H1	NM_001376	78	78	42	164	690	29300	157,53	70,7
chr14	102489117	102489305	DYNC1H1	NM_001376	78	78	43	130	871	37802	200,01	77,7
chr14	102492886	102493065	DYNC1H1	NM_001376	78	78	44	134	184	8012	44,51	100
chr14	102493437	102494428	DYNC1H1	NM_001376	78	78	45,46,47,48	115.162.215.205	3840	185431	186,93	100.0,100.0,100.0,75.6
chr14	102495930	102496355	DYNC1H1	NM_001376	78	78	49,50	174.120	943	45399	106,57	69.0,100.0
chr14	102496395	102496586	DYNC1H1	NM_001376	78	78	51	121	310	13120	68,33	72,7
chr14	102498648	102498845	DYNC1H1	NM_001376	78	78	52	196	416	17214	86,94	80,1
chr14	102499340	102499762	DYNC1H1	NM_001376	78	78	53,54	118.216	845	40305	95,28	100.0,72.7
chr14	102500350	102500870	DYNC1H1	NM_001376	78	78	55,56	213.128	2771	130347	250,19	82.6,100.0
chr14	102502862	102503074	DYNC1H1	NM_001376	78	78	57	154	242	10768	50,55	76,6
chr14	102504832	102506164	DYNC1H1	NM_001376	78	78	58,59,60,61,62	147.151.254.135,95	5543	263468	197,65	76.2,100.0,100.0,100.0,100.0
chr14	102506616	102506828	DYNC1H1	NM_001376	78	78	63	175	367	16063	75,41	75,4
chr14	102506914	102507096	DYNC1H1	NM_001376	78	78	64	76	960	40739	222,62	100
chr14	102507902	102508090	DYNC1H1	NM_001376	78	78	65	161	238	9779	51,74	100
chr14	102508277	102509025	DYNC1H1	NM_001376	78	78	66,67,68,69	112.61.124.114	2775	134255	179,25	100.0,100.0,100.0,47.4
chr14	102510121	102510351	DYNC1H1	NM_001376	78	78	70	171	634	27567	119,34	81,9
chr14	102510617	102511027	DYNC1H1	NM_001376	78	78	71,72	218.104	1257	59044	143,66	97.2,92.3
chr14	102514084	102514284	DYNC1H1	NM_001376	78	78	73	212	283	12211	60,75	61,8
chr14	102514778	102514957	DYNC1H1	NM_001376	78	78	74	154	379	16371	90,95	68,2
chr14	102515819	102516253	DYNC1H1	NM_001376	78	78	75,76	143.169	344	14975	34,43	70.6,100.0
chr14	102516347	102516526	DYNC1H1	NM_001376	78	78	77	128	818	33448	185,82	93
chr14	102516810	102516986	DYNC1H1	NM_001376	78	78	78	129	792	33335	188,33	70,5
chr15	25584318	25584515	UBE3A	NM_000462	14	11	14	121	51	2291	11,57	71,9
chr15	25585278	25585454	UBE3A	NM_000462	14	11	13	144	326	14546	82,18	68,1
chr15	25599547	25599913	UBE3A	NM_000462	14	11	12,11	74.156	446	21622	58,92	36.5,100.0
chr15	25601092	25601286	UBE3A	NM_000462	14	11	10	165	124	5301	27,18	67,9

chr15	25601915	25602115	UBE3A	NM_000462	14	11	9	206	498	21942	109,16	62,6
chr15	25605564	25605761	UBE3A	NM_000462	14	11	8	145	130	5830	29,44	76,6
chr15	25615640	25615760	UBE3A	NM_000462	14	11	7	1247	334	12137	100,31	3,8
chr15	25615815	25616332	UBE3A	NM_000462	14	11	7	1247	1616	77237	149,11	41,5
chr15	25616455	25616575	UBE3A	NM_000462	14	11	7	1247	215	7682	63,49	9,7
chr15	25616707	25616880	UBE3A	NM_000462	14	11	7	1247	254	11660	67,01	14
chr15	25620595	25620976	UBE3A	NM_000462	14	11	6	299	642	28626	74,94	100
chr15	25650512	25650682	UBE3A	NM_000462	14	11	5	42	182	7094	41,49	100
chr15	25653671	25653877	UBE3A	NM_000462	14	11	4	29	227	10148	49,02	100
chr15	25654092	25654268	UBE3A	NM_000462	14	11	3	120	87	3784	21,38	28,3
chr15	34525985	34526161	SLC12A6	NM_133647	25	25	25	92	2102	83281	470,51	87
chr15	34527420	34527611	SLC12A6	NM_133647	25	25	24	134	402	18067	94,1	71,6
chr15	34528276	34528467	SLC12A6	NM_133647	25	25	23	185	454	19863	103,45	67,6
chr15	34528919	34529116	SLC12A6	NM_133647	25	25	22	108	187	8078	40,8	90,7
chr15	34529660	34529851	SLC12A6	NM_133647	25	25	21	132	204	8379	43,64	69,7
chr15	34530357	34530542	SLC12A6	NM_133647	25	25	20	170	512	20541	110,44	64,7
chr15	34531238	34531438	SLC12A6	NM_133647	25	25	19	196	792	33993	169,12	63,3
chr15	34532800	34533027	SLC12A6	NM_133647	25	25	18	169	409	18796	82,44	98,2
chr15	34533370	34533597	SLC12A6	NM_133647	25	25	17	105	200	8706	38,18	100
chr15	34534235	34534432	SLC12A6	NM_133647	25	25	16	120	106	4849	24,49	100
chr15	34536081	34536305	SLC12A6	NM_133647	25	25	15	99	129	5733	25,48	100
chr15	34537435	34537641	SLC12A6	NM_133647	25	25	14	119	294	12557	60,66	100
chr15	34537814	34538017	SLC12A6	NM_133647	25	25	13	175	229	9247	45,33	70,9
chr15	34542412	34542624	SLC12A6	NM_133647	25	25	12	58	331	13838	64,97	100
chr15	34542758	34543192	SLC12A6	NM_133647	25	25	11,10	99.159	1076	51448	118,27	100.0,58.5
chr15	34544377	34544571	SLC12A6	NM_133647	25	25	9	215	189	7760	39,79	90,7
chr15	34546460	34546746	SLC12A6	NM_133647	25	25	8	242	242	10377	36,16	81,8
chr15	34547421	34547636	SLC12A6	NM_133647	25	25	7	131	346	14768	68,37	100
chr15	34548350	34548559	SLC12A6	NM_133647	25	25	6	55	472	20078	95,61	100
chr15	34549830	34550018	SLC12A6	NM_133647	25	25	5	147	294	13170	69,68	100
chr15	34550913	34551107	SLC12A6	NM_133647	25	25	4	132	696	30045	154,08	71,2
chr15	34553148	34553321	SLC12A6	NM_133647	25	25	3	95	192	7840	45,06	77,9
chr15	34567410	34567607	SLC12A6	NM_133647	25	25	2	45	52	2088	10,55	100
chr15	34628653	34628951	SLC12A6	NM_133647	25	25	1	271	1071	47527	158,95	84,5
chr15	38545356	38545577	SPRED1	NM_152594	7	7	1	32	666	29405	132,45	100
chr15	38591561	38591782	SPRED1	NM_152594	7	7	2	175	217	9286	41,83	100
chr15	38614440	38614628	SPRED1	NM_152594	7	7	3	169	299	12409	65,66	100
chr15	38616901	38617077	SPRED1	NM_152594	7	7	4	47	97	3837	21,68	100
chr15	38631916	38632110	SPRED1	NM_152594	7	7	5	159	339	15277	78,34	100
chr15	38641588	38641758	SPRED1	NM_152594	7	7	6	102	257	11215	65,58	100
chr15	38643139	38643804	SPRED1	NM_152594	7	7	7	651	2298	108413	162,78	90,6
chr15	40457204	40457395	BUB1B	NM_001211	23	23	2	144	282	12167	63,37	98,6
chr15	40462287	40462472	BUB1B	NM_001211	23	23	3	60	273	11077	59,55	60
chr15	40462667	40462873	BUB1B	NM_001211	23	23	4	145	218	9045	43,7	93,8
chr15	40468678	40468860	BUB1B	NM_001211	23	23	5	197	493	21672	118,43	92,9
chr15	40475941	40476135	BUB1B	NM_001211	23	23	6	170	337	14827	76,04	84,7
chr15	40477356	40477879	BUB1B	NM_001211	23	23	7,8	215,92	691	32924	62,83	100.0,100.0
chr15	40488723	40489003	BUB1B	NM_001211	23	23	9	230	293	13219	47,04	100
chr15	40491747	40491938	BUB1B	NM_001211	23	23	10	113	141	6359	33,12	100
chr15	40492402	40492596	BUB1B	NM_001211	23	23	11	116	307	13009	66,71	100
chr15	40493053	40493247	BUB1B	NM_001211	23	23	12	50	273	11087	56,86	100
chr15	40494578	40494947	BUB1B	NM_001211	23	23	13,14	61.106	545	26000	70,27	100.0,100.0
chr15	40498366	40498616	BUB1B	NM_001211	23	23	15	275	1377	65468	260,83	84,4
chr15	40500795	40501016	BUB1B	NM_001211	23	23	16	134	392	16591	74,73	100
chr15	40501766	40501987	BUB1B	NM_001211	23	23	17	141	249	10506	47,32	100
chr15	40502218	40502424	BUB1B	NM_001211	23	23	18	101	330	14237	68,78	100
chr15	40504608	40504823	BUB1B	NM_001211	23	23	19	150	108	4551	21,07	82,7

chr15	40505539	40505730	BUB1B	NM_001211	23	23	20	143	541	24912	129,75	95,8
chr15	40509631	40509822	BUB1B	NM_001211	23	23	21	172	527	22845	118,98	73,3
chr15	40510606	40510809	BUB1B	NM_001211	23	23	22	107	403	17338	84,99	100
chr15	40512725	40513073	BUB1B	NM_001211	23	23	23	196	947	44035	126,17	100
chr15	43237391	43237736	UBR1	NM_174916	47	47	47	142	587	27372	79,11	100
chr15	43242413	43242613	UBR1	NM_174916	47	47	46	102	177	7949	39,55	100
chr15	43244514	43244717	UBR1	NM_174916	47	47	45	171	322	14133	69,28	77,8
chr15	43250140	43250352	UBR1	NM_174916	47	47	44	78	226	10101	47,42	100
chr15	43252698	43252898	UBR1	NM_174916	47	47	43	57	191	8558	42,58	98,2
chr15	43256095	43256286	UBR1	NM_174916	47	47	42	109	370	17507	91,18	100
chr15	43258302	43258532	UBR1	NM_174916	47	47	41	134	174	7113	30,79	100
chr15	43262676	43262858	UBR1	NM_174916	47	47	40	88	380	16124	88,11	100
chr15	43268886	43269092	UBR1	NM_174916	47	47	39	151	164	7631	36,86	100
chr15	43270002	43270196	UBR1	NM_174916	47	47	38	68	17	731	3,75	100
chr15	43276063	43276266	UBR1	NM_174916	47	47	37	97	169	7960	39,02	100
chr15	43276946	43277140	UBR1	NM_174916	47	47	36	56	96	3539	18,15	100
chr15	43280945	43281163	UBR1	NM_174916	47	47	35	149	297	12603	57,55	98,7
chr15	43282145	43282342	UBR1	NM_174916	47	47	34	91	69	3012	15,21	100
chr15	43290353	43290529	UBR1	NM_174916	47	47	33	98	202	8394	47,42	100
chr15	43294793	43294990	UBR1	NM_174916	47	47	32	150	290	11361	57,38	73,3
chr15	43296053	43296241	UBR1	NM_174916	47	47	31	94	125	5576	29,5	80,9
chr15	43299258	43299461	UBR1	NM_174916	47	47	30	206	584	23764	116,49	89,8
chr15	43307887	43308075	UBR1	NM_174916	47	47	29	182	286	11879	62,85	99,5
chr15	43309211	43309402	UBR1	NM_174916	47	47	28	87	620	26800	139,58	100
chr15	43313470	43313670	UBR1	NM_174916	47	47	27	101	182	8153	40,56	100
chr15	43314864	43315049	UBR1	NM_174916	47	47	26	100	208	9477	50,95	100
chr15	43316943	43317137	UBR1	NM_174916	47	47	25	155	1068	45217	231,88	71,6
chr15	43317436	43317633	UBR1	NM_174916	47	47	24	49	269	10441	52,73	100
chr15	43318658	43318861	UBR1	NM_174916	47	47	23	103	203	7219	35,39	100
chr15	43319824	43320036	UBR1	NM_174916	47	47	22	53	616	24693	115,93	100
chr15	43322094	43322288	UBR1	NM_174916	47	47	21	125	546	23239	119,17	100
chr15	43324760	43324972	UBR1	NM_174916	47	47	20	64	45	1848	8,68	100
chr15	43328362	43328550	UBR1	NM_174916	47	47	19	102	289	12501	66,14	100
chr15	43328658	43328843	UBR1	NM_174916	47	47	18	66	94	3458	18,59	100
chr15	43329925	43330125	UBR1	NM_174916	47	47	17	111	650	27528	136,96	100
chr15	43330293	43330499	UBR1	NM_174916	47	47	16	62	441	18534	89,54	100
chr15	43335390	43335602	UBR1	NM_174916	47	47	15	181	798	34670	162,77	100
chr15	43339325	43339510	UBR1	NM_174916	47	47	14	129	714	30102	161,84	100
chr15	43340563	43340757	UBR1	NM_174916	47	47	13	100	304	13382	68,63	100
chr15	43346873	43347097	UBR1	NM_174916	47	47	12	158	744	34125	151,67	100
chr15	43348475	43348660	UBR1	NM_174916	47	47	11	99	62	2393	12,87	100
chr15	43350548	43350742	UBR1	NM_174916	47	47	10	89	166	7215	37	89,9
chr15	43351233	43351430	UBR1	NM_174916	47	47	9	108	183	8427	42,56	100
chr15	43351876	43352046	UBR1	NM_174916	47	47	8	124	375	16360	95,67	100
chr15	43352183	43352374	UBR1	NM_174916	47	47	7	63	397	17325	90,23	100
chr15	43360049	43360246	UBR1	NM_174916	47	47	6	139	77	3209	16,21	100
chr15	43362930	43363118	UBR1	NM_174916	47	47	5	131	911	40672	215,2	96,2
chr15	43367146	43367331	UBR1	NM_174916	47	47	4	111	545	23739	127,63	100
chr15	43374777	43374971	UBR1	NM_174916	47	47	3	79	577	24584	126,07	100
chr15	43378175	43378449	UBR1	NM_174916	47	47	2	257	643	29844	108,52	100
chr15	43398070	43398246	UBR1	NM_174916	47	47	1	81	354	13930	78,7	100
chr15	45654148	45654502	GATM	NM_001482	9	9	9	113	907	42701	120,28	100
chr15	45656096	45656305	GATM	NM_001482	9	9	8	117	300	12910	61,48	100
chr15	45656902	45657090	GATM	NM_001482	9	9	7	64	398	15734	83,25	100
chr15	45658286	45658782	GATM	NM_001482	9	9	6,5	165.138	988	45241	91,03	74,5,100.0
chr15	45660337	45660510	GATM	NM_001482	9	9	4	191	200	8494	48,82	63,9
chr15	45661518	45661733	GATM	NM_001482	9	9	3	196	273	11843	54,83	100

chr15	45668812	45669113	GATM	NM_001482	9	9	2	219	416	18704	61,93	94,1
chr15	45670619	45670914	GATM	NM_001482	9	9	1	69	4	132	0,45	47,8
chr15	48703167	48703613	FBN1	NM_000138	66	65	66	390	622	30039	67,2	100
chr15	48704770	48704979	FBN1	NM_000138	66	65	65	175	823	37142	176,87	97,7
chr15	48707636	48707940	FBN1	NM_000138	66	65	64	232	937	41618	136,45	89,7
chr15	48712777	48712971	FBN1	NM_000138	66	65	63	120	841	35759	183,38	73,3
chr15	48713772	48713978	FBN1	NM_000138	66	65	62	129	300	13570	65,56	86,8
chr15	48714079	48714285	FBN1	NM_000138	66	65	61	117	377	16826	81,29	100
chr15	48717586	48717789	FBN1	NM_000138	66	65	60	123	163	7167	35,13	83,7
chr15	48717883	48718065	FBN1	NM_000138	66	65	59	126	432	18362	100,34	100
chr15	48719836	48720205	FBN1	NM_000138	66	65	58	207	509	23140	62,54	65,2
chr15	48720550	48720732	FBN1	NM_000138	66	65	57	126	586	25860	141,31	94,4
chr15	48722839	48723018	FBN1	NM_000138	66	65	56	132	1978	80634	447,97	100
chr15	48725092	48725274	FBN1	NM_000138	66	65	55	123	405	17497	95,61	76,4
chr15	48726756	48726953	FBN1	NM_000138	66	65	54	120	113	4761	24,05	100
chr15	48729121	48729312	FBN1	NM_000138	66	65	53	117	104	4642	24,18	100
chr15	48729442	48729666	FBN1	NM_000138	66	65	52	66	213	9749	43,33	100
chr15	48730014	48730199	FBN1	NM_000138	66	65	51	150	751	30362	163,24	67,3
chr15	48733955	48734140	FBN1	NM_000138	66	65	50	126	565	23061	123,98	70,6
chr15	48736739	48736918	FBN1	NM_000138	66	65	49	120	66	2760	15,33	99,2
chr15	48737611	48737781	FBN1	NM_000138	66	65	48	129	646	28918	169,11	70,5
chr15	48738851	48739060	FBN1	NM_000138	66	65	47	117	312	13058	62,18	100
chr15	48740939	48741118	FBN1	NM_000138	66	65	46	126	508	20443	113,57	100
chr15	48744794	48744976	FBN1	NM_000138	66	65	45	123	176	7926	43,31	71,5
chr15	48748751	48748927	FBN1	NM_000138	66	65	44	123	486	20341	114,92	74,6
chr15	48752363	48752593	FBN1	NM_000138	66	65	43	72	269	12724	55,08	100
chr15	48755323	48755511	FBN1	NM_000138	66	65	42	159	176	7292	38,58	72,3
chr15	48756041	48756268	FBN1	NM_000138	66	65	41	123	603	26108	114,51	100
chr15	48757826	48758118	FBN1	NM_000138	66	65	40,39	126,69	500	22904	78,17	51,6,100.0
chr15	48760191	48760373	FBN1	NM_000138	66	65	38	165	896	39573	216,25	66,1
chr15	48760539	48760751	FBN1	NM_000138	66	65	37	123	170	7178	33,7	100
chr15	48762836	48763015	FBN1	NM_000138	66	65	36	123	271	11317	62,87	95,9
chr15	48764785	48764982	FBN1	NM_000138	66	65	35	126	366	15878	80,19	70,6
chr15	48766414	48766878	FBN1	NM_000138	66	65	34,33	123,123	1560	71609	154	100,0,100.0
chr15	48773817	48773999	FBN1	NM_000138	66	65	32	126	191	8029	43,87	100
chr15	48775977	48776162	FBN1	NM_000138	66	65	31	126	1221	52975	284,81	100
chr15	48777510	48777710	FBN1	NM_000138	66	65	30	123	509	22615	112,51	100
chr15	48779239	48779590	FBN1	NM_000138	66	65	29,28	126,126	1113	53022	150,63	100,0,65.1
chr15	48780330	48780776	FBN1	NM_000138	66	65	27,26	129,126	1855	88768	198,59	84,5,100.0
chr15	48781952	48782238	FBN1	NM_000138	66	65	25	228	1095	48137	167,72	83,8
chr15	48784620	48784808	FBN1	NM_000138	66	65	24	126	347	14393	76,15	100
chr15	48786250	48786450	FBN1	NM_000138	66	65	23	51	148	6421	31,95	98
chr15	48787363	48787536	FBN1	NM_000138	66	65	22	138	100	3885	22,33	68,8
chr15	48787664	48787840	FBN1	NM_000138	66	65	21	120	359	15798	89,25	100
chr15	48788244	48788414	FBN1	NM_000138	66	65	20	126	561	23900	139,77	93,7
chr15	48789383	48789580	FBN1	NM_000138	66	65	19	126	454	18166	91,75	93,7
chr15	48791144	48791350	FBN1	NM_000138	66	65	18	54	474	19940	96,33	100
chr15	48796019	48796222	FBN1	NM_000138	66	65	17	153	86	3647	17,88	77,1
chr15	48797113	48797313	FBN1	NM_000138	66	65	16	123	553	25268	125,71	74,8
chr15	48800715	48800894	FBN1	NM_000138	66	65	15	123	425	16897	93,87	94,3
chr15	48802173	48802385	FBN1	NM_000138	66	65	14	126	650	26840	126,01	100
chr15	48805777	48805950	FBN1	NM_000138	66	65	13	120	612	26970	155	74,2
chr15	48807595	48807780	FBN1	NM_000138	66	65	12	141	779	31802	170,98	92,2
chr15	48808324	48808551	FBN1	NM_000138	66	65	11	180	140	6301	27,64	95,6
chr15	48812909	48813097	FBN1	NM_000138	66	65	10	159	221	9868	52,21	66,7
chr15	48818259	48818468	FBN1	NM_000138	66	65	9	126	358	15137	72,08	100
chr15	48826254	48826469	FBN1	NM_000138	66	65	8	126	258	11473	53,12	100

chr15	48829869	48830069	FBN1	NM_000138	66	65	7	198	172	7495	37,29	69,2
chr15	48888418	48888639	FBN1	NM_000138	66	65	6	96	511	22251	100,23	100
chr15	48892277	48892468	FBN1	NM_000138	66	65	5	96	435	19905	103,67	100
chr15	48902828	48903004	FBN1	NM_000138	66	65	4	99	95	3857	21,79	80,8
chr15	48905108	48905317	FBN1	NM_000138	66	65	3	83	806	36649	174,52	100
chr15	48936751	48936951	FBN1	NM_000138	66	65	2	164	615	25537	127,05	90,9
chr15	49030455	49031520	CEP152	NM_001194998	27	26	27	1040	4554	219283	205,71	99,1
chr15	49033794	49034012	CEP152	NM_001194998	27	26	26	104	376	15761	71,97	100
chr15	49034090	49034284	CEP152	NM_001194998	27	26	25	154	756	30974	158,84	91,6
chr15	49036391	49036600	CEP152	NM_001194998	27	26	24	104	503	23048	109,75	100
chr15	49037091	49037315	CEP152	NM_001194998	27	26	23	97	89	3280	14,58	100
chr15	49040617	49040811	CEP152	NM_001194998	27	26	22	168	483	20077	102,96	100
chr15	49044493	49044720	CEP152	NM_001194998	27	26	21	121	259	12261	53,78	100
chr15	49048036	49048698	CEP152	NM_001194998	27	26	20	651	2523	122068	184,11	92
chr15	49052327	49052527	CEP152	NM_001194998	27	26	19	132	1477	66329	330	100
chr15	49054603	49054868	CEP152	NM_001194998	27	26	18	282	702	33136	124,57	94,3
chr15	49059199	49059633	CEP152	NM_001194998	27	26	17,16	133.129	1614	72333	166,28	100.0,79.1
chr15	49060310	49060501	CEP152	NM_001194998	27	26	15	110	98	4206	21,91	78,2
chr15	49061151	49061336	CEP152	NM_001194998	27	26	14	126	67	2918	15,69	100
chr15	49064685	49064900	CEP152	NM_001194998	27	26	13	205	453	19984	92,52	99,5
chr15	49073305	49073511	CEP152	NM_001194998	27	26	12	164	782	36454	176,11	72,6
chr15	49074347	49074535	CEP152	NM_001194998	27	26	11	92	558	24261	128,37	88
chr15	49076173	49076358	CEP152	NM_001194998	27	26	10	148	120	4908	26,39	98
chr15	49080949	49081134	CEP152	NM_001194998	27	26	9	201	486	20747	111,54	68,2
chr15	49083463	49083660	CEP152	NM_001194998	27	26	8	140	383	17073	86,23	79,3
chr15	49085445	49085663	CEP152	NM_001194998	27	26	7	141	166	6702	30,6	100
chr15	49088181	49088387	CEP152	NM_001194998	27	26	6	151	220	9642	46,58	100
chr15	49089555	49089995	CEP152	NM_001194998	27	26	5,4	279,70	1058	51519	116,82	79.6,100.0
chr15	49090168	49090356	CEP152	NM_001194998	27	26	3	104	596	26870	142,17	77,9
chr15	49097738	49097947	CEP152	NM_001194998	27	26	2	87	116	5165	24,6	100
chr15	51200974	51201180	AP4E1	NM_007347	21	21	1	150	7	238	1,15	100
chr15	51204255	51204446	AP4E1	NM_007347	21	21	2	72	166	7009	36,51	100
chr15	51207618	51207809	AP4E1	NM_007347	21	21	3	124	739	30868	160,77	100
chr15	51216133	51216324	AP4E1	NM_007347	21	21	4	74	265	11912	62,04	93,2
chr15	51217231	51217419	AP4E1	NM_007347	21	21	5	122	355	14749	78,04	100
chr15	51221215	51221409	AP4E1	NM_007347	21	21	6	160	308	13622	69,86	94,4
chr15	51222978	51223187	AP4E1	NM_007347	21	21	7	167	180	7496	35,7	100
chr15	51226769	51226954	AP4E1	NM_007347	21	21	8	74	236	11069	59,51	100
chr15	51233622	51233982	AP4E1	NM_007347	21	21	9,10	123.110	506	22919	63,49	100.0,100.0
chr15	51240258	51240446	AP4E1	NM_007347	21	21	11	140	310	12449	65,87	70,7
chr15	51242014	51242380	AP4E1	NM_007347	21	21	12,13	113.119	1160	53068	144,6	100.0,100.0
chr15	51250713	51251070	AP4E1	NM_007347	21	21	14	303	1107	52962	147,94	92,1
chr15	51260425	51260631	AP4E1	NM_007347	21	21	15	115	364	16226	78,39	100
chr15	51276189	51276392	AP4E1	NM_007347	21	21	16	124	310	13972	68,49	100
chr15	51285545	51285837	AP4E1	NM_007347	21	21	17	256	359	16477	56,24	100
chr15	51289516	51290098	AP4E1	NM_007347	21	21	18	558	1806	86228	147,9	100
chr15	51291203	51291388	AP4E1	NM_007347	21	21	19	191	227	9385	50,46	62,8
chr15	51293234	51293422	AP4E1	NM_007347	21	21	20	158	383	15824	83,72	93
chr15	51294636	51294863	AP4E1	NM_007347	21	21	21	161	724	31911	139,96	100
chr15	52605804	52606099	MYO5A	NM_000259	41	41	41	153	303	13764	46,5	100
chr15	52606304	52606531	MYO5A	NM_000259	41	41	40	81	174	8050	35,31	100
chr15	52609255	52609461	MYO5A	NM_000259	41	41	39	175	588	25636	123,85	94,3
chr15	52611326	52611609	MYO5A	NM_000259	41	41	38	283	962	44663	157,26	75,6
chr15	52613599	52613784	MYO5A	NM_000259	41	41	37	151	518	21839	117,41	71,5
chr15	52615490	52615693	MYO5A	NM_000259	41	41	36	90	421	18373	90,06	100
chr15	52620037	52620216	MYO5A	NM_000259	41	41	35	155	362	16142	89,68	100
chr15	52622522	52622731	MYO5A	NM_000259	41	41	34	147	140	6135	29,21	100

chr15	52628552	52628731	MYO5A	NM_000259	41	41	33	94	312	12308	68,38	76,6
chr15	52632322	52632516	MYO5A	NM_000259	41	41	32	199	153	6382	32,73	62,3
chr15	52635280	52635495	MYO5A	NM_000259	41	41	31	81	420	17691	81,9	100
chr15	52638567	52638776	MYO5A	NM_000259	41	41	30	101	305	12873	61,3	91,1
chr15	52640843	52641049	MYO5A	NM_000259	41	41	29	9	98	4133	19,97	100
chr15	52643490	52643773	MYO5A	NM_000259	41	41	28	228	638	29293	103,14	82,9
chr15	52645656	52645868	MYO5A	NM_000259	41	41	27	54	269	11314	53,12	100
chr15	52646111	52646311	MYO5A	NM_000259	41	41	26	144	737	30288	150,69	70,1
chr15	52652061	52652249	MYO5A	NM_000259	41	41	25	114	531	21638	114,49	74,6
chr15	52656724	52656909	MYO5A	NM_000259	41	41	24	149	325	14345	77,12	100
chr15	52659135	52659341	MYO5A	NM_000259	41	41	23	94	721	31685	153,07	100
chr15	52662346	52662617	MYO5A	NM_000259	41	41	22	249	1221	56253	206,81	100
chr15	52664240	52664508	MYO5A	NM_000259	41	41	21	240	1070	47148	175,27	78,3
chr15	52667463	52667687	MYO5A	NM_000259	41	41	20	157	243	10509	46,71	100
chr15	52668576	52668776	MYO5A	NM_000259	41	41	19	212	710	29679	147,66	84,9
chr15	52671772	52672031	MYO5A	NM_000259	41	41	18,17	109,87	824	37096	142,68	100.0,14.9
chr15	52675215	52675397	MYO5A	NM_000259	41	41	16	98	195	8933	48,81	100
chr15	52676383	52676562	MYO5A	NM_000259	41	41	15	162	181	7572	42,07	84,6
chr15	52679982	52680158	MYO5A	NM_000259	41	41	14	84	169	7317	41,34	100
chr15	52681433	52681630	MYO5A	NM_000259	41	41	13	126	176	7662	38,7	100
chr15	52684039	52684224	MYO5A	NM_000259	41	41	12	141	962	43470	233,71	69,5
chr15	52688417	52688626	MYO5A	NM_000259	41	41	11	82	246	9704	46,21	100
chr15	52689333	52689598	MYO5A	NM_000259	41	41	10	266	399	18552	69,74	75,6
chr15	52697427	52697621	MYO5A	NM_000259	41	41	9	107	444	19140	98,15	100
chr15	52699412	52699618	MYO5A	NM_000259	41	41	8	108	387	15803	76,34	100
chr15	52700211	52700396	MYO5A	NM_000259	41	41	7	82	269	12072	64,9	100
chr15	52702429	52702638	MYO5A	NM_000259	41	41	6	144	535	22239	105,9	75,7
chr15	52708394	52708564	MYO5A	NM_000259	41	41	5	157	322	12787	74,78	66,9
chr15	52717992	52718198	MYO5A	NM_000259	41	41	4	145	1128	48519	234,39	100
chr15	52720535	52720717	MYO5A	NM_000259	41	41	3	172	486	20004	109,31	71,5
chr15	52725311	52725517	MYO5A	NM_000259	41	41	2	111	106	4284	20,7	100
chr15	52820904	52821187	MYO5A	NM_000259	41	41	1	27	1	27	0,1	100
chr15	55497648	55497851	RAB27A	NM_183234	7	5	7	199	1547	67385	330,32	73,9
chr15	55516039	55516233	RAB27A	NM_183234	7	5	6	124	899	38524	197,56	100
chr15	55520767	55520949	RAB27A	NM_183234	7	5	5	104	250	10276	56,15	100
chr15	55522607	55522792	RAB27A	NM_183234	7	5	4	86	553	22719	122,15	90,7
chr15	55526974	55527156	RAB27A	NM_183234	7	5	3	153	503	21909	119,72	100
chr15	66679552	66679805	MAP2K1	NM_002755	11	11	1	80	42	1984	7,81	100
chr15	66727432	66727629	MAP2K1	NM_002755	11	11	2	211	241	9964	50,32	68,2
chr15	66729131	66729307	MAP2K1	NM_002755	11	11	3	147	805	34581	195,37	68
chr15	66735631	66735807	MAP2K1	NM_002755	11	11	4	78	196	8183	46,23	83,3
chr15	66736994	66737164	MAP2K1	NM_002755	11	11	5	52	288	11625	67,98	100
chr15	66774129	66774305	MAP2K1	NM_002755	11	11	6	125	1781	74551	421,19	71,2
chr15	66777483	66777603	MAP2K1	NM_002755	11	11	7	202	97	3829	31,64	23,3
chr15	66779437	66779646	MAP2K1	NM_002755	11	11	8	65	101	4533	21,59	100
chr15	66781558	66781728	MAP2K1	NM_002755	11	11	9	62	1505	62890	367,78	91,9
chr15	66781996	66782199	MAP2K1	NM_002755	11	11	10	46	834	35075	171,94	100
chr15	66782656	66783078	MAP2K1	NM_002755	11	11	11	114	1682	75257	177,91	100
chr15	72978385	72978615	BBS4	NM_033028	16	16	1	24	1185	49082	212,48	100
chr15	72987175	72987615	BBS4	NM_033028	16	16	2	52	637	30695	69,6	100
chr15	73001968	73002183	BBS4	NM_033028	16	16	3	80	205	8626	39,94	100
chr15	73004516	73004719	BBS4	NM_033028	16	16	4	64	173	7471	36,62	100
chr15	73007533	73007727	BBS4	NM_033028	16	16	5	112	254	9800	50,26	85,7
chr15	73008979	73009203	BBS4	NM_033028	16	16	6	73	315	14326	63,67	100
chr15	73015034	73015237	BBS4	NM_033028	16	16	7	54	206	9196	45,08	100
chr15	73016829	73017038	BBS4	NM_033028	16	16	8	128	142	6420	30,57	100
chr15	73020207	73020416	BBS4	NM_033028	16	16	9	55	619	28535	135,88	100

chr15	73021944	73022156	BBS4	NM_033028	16	16	10	69	372	15307	71,86	100
chr15	73023705	73024142	BBS4	NM_033028	16	16	11,12	153.172	1070	50267	114,76	61.4,100.0
chr15	73027365	73027550	BBS4	NM_033028	16	16	13	70	90	3988	21,44	100
chr15	73028202	73028393	BBS4	NM_033028	16	16	14	142	325	11598	60,41	74,6
chr15	73029070	73029276	BBS4	NM_033028	16	16	15	202	664	25972	125,47	86,1
chr15	73029879	73030067	BBS4	NM_033028	16	16	16	110	227	10061	53,23	45,5
chr15	74472359	74472565	STRA6	NM_001199042	19	19	19	164	243	10003	48,32	88,4
chr15	74473160	74473360	STRA6	NM_001199042	19	19	18	156	224	9180	45,67	76,3
chr15	74473671	74473874	STRA6	NM_001199042	19	19	17	164	81	3603	17,66	78,7
chr15	74474396	74474786	STRA6	NM_001199042	19	19	16,15	102.118	287	13679	34,98	100.0,87.3
chr15	74476214	74476432	STRA6	NM_001199042	19	19	14	134	560	24994	114,13	87,3
chr15	74477303	74477473	STRA6	NM_001199042	19	19	13	76	175	7621	44,57	100
chr15	74481409	74481591	STRA6	NM_001199042	19	19	12	163	244	9964	54,45	83,4
chr15	74483153	74483326	STRA6	NM_001199042	19	19	11	62	215	9020	51,84	100
chr15	74483504	74483882	STRA6	NM_001199042	19	19	10,9	77,68	710	32653	86,16	100.0,100.0
chr15	74486173	74486367	STRA6	NM_001199042	19	19	8	123	705	29646	152,03	74
chr15	74487714	74488065	STRA6	NM_001199042	19	19	7,6	167,24	704	32581	92,56	57.5,100.0
chr15	74488378	74488593	STRA6	NM_001199042	19	19	5	140	307	12981	60,1	79,3
chr15	74489561	74489776	STRA6	NM_001199042	19	19	4	86	153	6410	29,68	100
chr15	74490055	74490261	STRA6	NM_001199042	19	19	3	67	314	12823	61,95	100
chr15	74494439	74494802	STRA6	NM_001199042	19	19	2,1	128.102	247	10151	27,89	100.0,43.1
chr15	85325816	85328108	ZNF592	NM_014630	11	8	4	2220	6895	330400	144,09	99,2
chr15	85333891	85334094	ZNF592	NM_014630	11	8	5	179	1176	49067	240,52	88,8
chr15	85341072	85341242	ZNF592	NM_014630	11	8	6	177	279	11836	69,22	80,8
chr15	85341528	85342134	ZNF592	NM_014630	11	8	7,8	160.288	1440	66267	109,17	100.0,100.0
chr15	85342215	85342433	ZNF592	NM_014630	11	8	9	113	962	41486	189,43	92,9
chr15	85342980	85343165	ZNF592	NM_014630	11	8	10	136	338	14889	80,05	68,4
chr15	85345490	85345690	ZNF592	NM_014630	11	8	11	531	707	31691	157,67	25,4
chr15	90171544	90171975	KIF7	NM_198525	19	18	19	368	368	16596	38,42	88,6
chr15	90172149	90172358	KIF7	NM_198525	19	18	18	147	677	28613	136,25	100
chr15	90172670	90172873	KIF7	NM_198525	19	18	17	199	856	32300	158,33	67,8
chr15	90173499	90173678	KIF7	NM_198525	19	18	16	207	174	7306	40,59	77,8
chr15	90174738	90175045	KIF7	NM_198525	19	18	15	216	124	5044	16,38	94,4
chr15	90176119	90176550	KIF7	NM_198525	19	18	14,13	177.126	379	17567	40,66	61.6,100.0
chr15	90176990	90177190	KIF7	NM_198525	19	18	12	198	265	11679	58,1	63,1
chr15	90185470	90185664	KIF7	NM_198525	19	18	11	203	6	243	1,25	82,3
chr15	90188227	90188682	KIF7	NM_198525	19	18	10,9	153.116	680	27948	61,29	100.0,100.0
chr15	90189156	90189365	KIF7	NM_198525	19	18	8	134	1532	64312	306,25	76,1
chr15	90190058	90190353	KIF7	NM_198525	19	18	7	228	70	2816	9,51	100
chr15	90190828	90191055	KIF7	NM_198525	19	18	6	117	436	18385	80,64	99,1
chr15	90191503	90192023	KIF7	NM_198525	19	18	5	520	16	734	1,41	96,7
chr15	90192208	90192648	KIF7	NM_198525	19	18	4	394	89	4076	9,24	99,2
chr15	90192871	90193228	KIF7	NM_198525	19	18	3	201	809	37783	105,54	100
chr15	90195769	90196117	KIF7	NM_198525	19	18	2	328	341	15547	44,55	86,6
chr15	91290507	91290701	BLM	NM_000057	22	21	2	98	790	36414	186,74	80,6
chr15	91292641	91293371	BLM	NM_000057	22	21	3	701	1514	72066	98,59	93,7
chr15	91294924	91295136	BLM	NM_000057	22	21	4	160	299	12839	60,28	75
chr15	91298034	91298234	BLM	NM_000057	22	21	5	128	409	16450	81,84	100
chr15	91303393	91303602	BLM	NM_000057	22	21	6	133	365	15866	75,55	88
chr15	91303796	91304479	BLM	NM_000057	22	21	7	662	944	44976	65,75	99,1
chr15	91306263	91306451	BLM	NM_000057	22	21	8	192	436	19118	101,15	65,1
chr15	91308454	91308669	BLM	NM_000057	22	21	9	119	226	9626	44,56	100
chr15	91310066	91310254	BLM	NM_000057	22	21	10	114	368	16276	86,12	100
chr15	91312242	91312448	BLM	NM_000057	22	21	11	99	297	13717	66,27	86,9
chr15	91312596	91312766	BLM	NM_000057	22	21	12	149	76	3169	18,53	66,4
chr15	91326049	91326225	BLM	NM_000057	22	21	13	107	181	7469	42,2	100
chr15	91328115	91328345	BLM	NM_000057	22	21	14	161	524	23100	100	100

chr15	91333951	91334130	BLM	NM_000057	22	21	15	196	240	10567	58,71	63,3
chr15	91337396	91337596	BLM	NM_000057	22	21	16	191	188	7701	38,31	100
chr15	91341432	91341608	BLM	NM_000057	22	21	17	148	89	3647	20,6	91,9
chr15	91346720	91346923	BLM	NM_000057	22	21	18	200	643	26716	130,96	86,5
chr15	91347407	91347607	BLM	NM_000057	22	21	19	193	145	6405	31,87	94,8
chr15	91352369	91352542	BLM	NM_000057	22	21	20	123	381	15764	90,6	98,4
chr15	91354507	91354689	BLM	NM_000057	22	21	21	202	214	9211	50,33	64,4
chr15	91358300	91358574	BLM	NM_000057	22	21	22	178	1171	52072	189,35	100
chr16	771200	773240	CCDC78	NM_001031737	14	14	14,13,12	20,97,67	1405	66359	32,51	100.0,100.0,100.0
chr16	773801	775515	CCDC78	NM_001031737	14	14	11,10,9,8,7,6,5,4	80,100,188,126,79,68,57,168	1728	82677	48,21	100.0,100.0,100.0,100.0,100.0,100.0,100.0,61.3
chr16	775740	776390	CCDC78	NM_001031737	14	14	3,2,1	87,120,60	871	40275	61,87	100.0,100.0,100.0
chr16	2098547	2098735	TSC2	NM_000548	42	41	2	138	215	9442	49,96	86,2
chr16	2100376	2100570	TSC2	NM_000548	42	41	3	87	511	21981	112,72	100
chr16	2103400	2103914	TSC2	NM_000548	42	41	4	111	1690	81029	157,34	48,6
chr16	2104271	2104456	TSC2	NM_000548	42	41	5	145	480	20377	109,55	100
chr16	2105403	2105591	TSC2	NM_000548	42	41	6	118	418	17908	94,75	100
chr16	2106090	2106293	TSC2	NM_000548	42	41	7	49	139	6079	29,8	100
chr16	2106676	2106861	TSC2	NM_000548	42	41	8	126	271	11325	60,89	75,4
chr16	2107066	2107269	TSC2	NM_000548	42	41	9	74	87	3731	18,29	100
chr16	2108716	2108907	TSC2	NM_000548	42	41	10	127	94	4084	21,27	100
chr16	2110624	2110812	TSC2	NM_000548	42	41	11	144	213	9247	48,93	98,6
chr16	2111834	2112025	TSC2	NM_000548	42	41	12	138	469	20501	106,78	100
chr16	2112410	2112604	TSC2	NM_000548	42	41	13	104	87	3770	19,33	100
chr16	2112943	2113131	TSC2	NM_000548	42	41	14	14	77	3670	19,42	100
chr16	2114247	2114444	TSC2	NM_000548	42	41	15	82	236	10285	51,94	100
chr16	2115411	2115602	TSC2	NM_000548	42	41	16	117	134	5825	30,34	70,9
chr16	2120429	2120614	TSC2	NM_000548	42	41	17	123	493	22016	118,37	100
chr16	2121457	2121870	TSC2	NM_000548	42	41	18,19	107.151	399	18294	44,19	100.0,57.0
chr16	2122244	2122420	TSC2	NM_000548	42	41	20	123	350	13680	77,29	98,4
chr16	2122885	2123064	TSC2	NM_000548	42	41	21	135	157	6175	34,31	74,1
chr16	2124204	2124392	TSC2	NM_000548	42	41	22	190	44	2009	10,63	98,4
chr16	2125820	2126180	TSC2	NM_000548	42	41	23,24	94.103	642	29240	81	78.7,100.0
chr16	2126450	2126623	TSC2	NM_000548	42	41	25	95	113	4930	28,33	100
chr16	2127538	2127720	TSC2	NM_000548	42	41	26	129	315	13633	74,5	94,6
chr16	2128966	2129628	TSC2	NM_000548	42	41	27,28,29	165.153.113	1093	51947	78,35	100.0,100.0,62.8
chr16	2130096	2130326	TSC2	NM_000548	42	41	30	213	149	6172	26,72	75,6
chr16	2131543	2131743	TSC2	NM_000548	42	41	31	204	272	12025	59,83	72,5
chr16	2132370	2132561	TSC2	NM_000548	42	41	32	69	457	19816	103,21	100
chr16	2133524	2133890	TSC2	NM_000548	42	41	33	122	107	4780	13,02	100
chr16	2134203	2134720	TSC2	NM_000548	42	41	34	488	405	18112	34,97	100
chr16	2134904	2135086	TSC2	NM_000548	42	41	35	76	634	27279	149,07	100
chr16	2135197	2135394	TSC2	NM_000548	42	41	36	93	293	13305	67,2	100
chr16	2136189	2136383	TSC2	NM_000548	42	41	37	187	90	4103	21,04	100
chr16	2136735	2136929	TSC2	NM_000548	42	41	38	140	208	9285	47,62	98,6
chr16	2137874	2138664	TSC2	NM_000548	42	41	39,40,41,42	79,92,99,165	944	42229	53,39	87.3,100.0,100.0,100.0
chr16	2546146	2547149	TBC1D24	NM_001199107	8	7	2	965	1177	55959	55,74	100
chr16	2547601	2547777	TBC1D24	NM_001199107	8	7	3	18	196	8680	49,04	100
chr16	2548196	2548387	TBC1D24	NM_001199107	8	7	4	159	280	11753	61,21	93,7
chr16	2549232	2549429	TBC1D24	NM_001199107	8	7	5	64	1058	45492	229,76	100
chr16	2549798	2549968	TBC1D24	NM_001199107	8	7	6	96	238	8714	50,96	100
chr16	2550269	2550546	TBC1D24	NM_001199107	8	7	7	223	45	1656	5,96	100
chr16	2550787	2550981	TBC1D24	NM_001199107	8	7	8	155	166	7562	38,78	100
chr16	3777626	3779912	CREBBP	NM_004380	31	31	31	2157	2496	117188	51,24	100
chr16	3781265	3781536	CREBBP	NM_004380	31	31	30	282	122	5361	19,71	74,5
chr16	3781799	3781987	CREBBP	NM_004380	31	31	29	162	617	26128	138,24	86,4
chr16	3786029	3786208	CREBBP	NM_004380	31	31	28	168	396	17386	96,59	100
chr16	3786558	3786773	CREBBP	NM_004380	31	31	27	166	1010	44113	204,23	74,1

chr16	3788546	3788755	CREBBP	NM_004380	31	31	26	114	169	7447	35,46	100
chr16	3789596	3789772	CREBBP	NM_004380	31	31	25	147	430	18421	104,07	88,4
chr16	3790416	3790616	CREBBP	NM_004380	31	31	24	151	291	10886	54,16	89,4
chr16	3794810	3794992	CREBBP	NM_004380	31	31	23	68	283	11397	62,28	100
chr16	3795267	3795479	CREBBP	NM_004380	31	31	22	78	910	40772	191,42	100
chr16	3799498	3799686	CREBBP	NM_004380	31	31	21	57	830	37188	196,76	100
chr16	3801594	3801791	CREBBP	NM_004380	31	31	20	81	365	16148	81,56	80,2
chr16	3807187	3807414	CREBBP	NM_004380	31	31	19	89	373	16185	70,99	100
chr16	3807777	3808078	CREBBP	NM_004380	31	31	18	240	1267	61394	203,29	100
chr16	3808756	3808941	CREBBP	NM_004380	31	31	17	119	123	5121	27,53	73,1
chr16	3817754	3817930	CREBBP	NM_004380	31	31	16	190	492	22134	125,05	82,6
chr16	3819218	3819439	CREBBP	NM_004380	31	31	15	180	587	24922	112,26	76,1
chr16	3820609	3821061	CREBBP	NM_004380	31	31	14	417	206	9799	21,63	90,9
chr16	3823807	3824007	CREBBP	NM_004380	31	31	13	180	263	11295	56,19	69,4
chr16	3824585	3824776	CREBBP	NM_004380	31	31	12	125	224	9077	47,28	88
chr16	3827538	3827732	CREBBP	NM_004380	31	31	11	45	202	9144	46,89	100
chr16	3827952	3828182	CREBBP	NM_004380	31	31	10	172	100	4145	17,94	99,4
chr16	3828647	3828871	CREBBP	NM_004380	31	31	9	118	473	21251	94,45	100
chr16	3830777	3830980	CREBBP	NM_004380	31	31	8	147	450	19113	93,69	70,1
chr16	3831125	3831337	CREBBP	NM_004380	31	31	7	103	108	4815	22,61	100
chr16	3832734	3833005	CREBBP	NM_004380	31	31	6	243	211	9159	33,67	79,8
chr16	3841923	3842150	CREBBP	NM_004380	31	31	5	114	406	17005	74,58	100
chr16	3843408	3843679	CREBBP	NM_004380	31	31	4	241	344	15688	57,68	91,3
chr16	3860522	3860719	CREBBP	NM_004380	31	31	3	177	425	18697	94,43	65,5
chr16	3900324	3901078	CREBBP	NM_004380	31	31	2	713	2076	99337	131,57	96,4
chr16	3929831	3930031	CREBBP	NM_004380	31	31	1	85	23	1036	5,15	100
chr16	4847623	4848149	ROGDI	NM_024589	11	11	10,9,8	127,50,114	370	16380	31,08	100,0,100,0,68,4
chr16	4848557	4848748	ROGDI	NM_024589	11	11	7	99	90	3862	20,11	100
chr16	4849679	4849855	ROGDI	NM_024589	11	11	6	96	358	15892	89,79	100
chr16	4850474	4850683	ROGDI	NM_024589	11	11	5	81	154	6844	32,59	100
chr16	4851237	4851618	ROGDI	NM_024589	11	11	4,3	55,83	402	19099	50	100,0,100,0
chr16	4851902	4852659	ROGDI	NM_024589	11	11	2,1	72,45	766	34754	45,85	100,0,100,0
chr16	5121847	5122130	ALG1	NM_019109	13	13	1	208	58	2578	9,08	100
chr16	5122873	5123224	ALG1	NM_019109	13	13	2,3	78,104	2562	113200	321,59	100,0,68,3
chr16	5125287	5125490	ALG1	NM_019109	13	13	4	149	556	24387	119,54	68,5
chr16	5127336	5127542	ALG1	NM_019109	13	13	5	90	520	22220	107,34	100
chr16	8891459	8891810	PMM2	NM_000303	8	8	1	66	205	8968	25,48	100
chr16	8895686	8895871	PMM2	NM_000303	8	8	2	112	232	10082	54,2	73,2
chr16	8898636	8898815	PMM2	NM_000303	8	8	3	77	95	4056	22,53	84,4
chr16	8900083	8900289	PMM2	NM_000303	8	8	4	92	210	9010	43,53	100
chr16	8904810	8905022	PMM2	NM_000303	8	8	5	100	849	37921	178,03	87
chr16	8905504	8905686	PMM2	NM_000303	8	8	6	76	540	22858	124,91	88,2
chr16	8906865	8907056	PMM2	NM_000303	8	8	7	116	659	29174	151,95	85,3
chr16	8941557	8941828	PMM2	NM_000303	8	8	8	102	156	6892	25,34	100
chr16	9856942	9858807	GRIN2A	NM_001134407	13	12	13	1800	6793	329568	176,62	100
chr16	9862701	9862996	GRIN2A	NM_001134407	13	12	12	239	725	30635	103,5	100
chr16	9892127	9892336	GRIN2A	NM_001134407	13	12	11	188	667	28678	136,56	100
chr16	9916148	9916375	GRIN2A	NM_001134407	13	12	10	161	109	5074	22,25	83,2
chr16	9923275	9923564	GRIN2A	NM_001134407	13	12	9	230	715	32100	110,69	100
chr16	9927921	9928124	GRIN2A	NM_001134407	13	12	8	126	355	15433	75,65	100
chr16	9934442	9934968	GRIN2A	NM_001134407	13	12	7,6	154,169	1850	85430	162,11	100,0,100,0
chr16	9943540	9943764	GRIN2A	NM_001134407	13	12	5	206	1185	50332	223,7	73,8
chr16	9984844	9985014	GRIN2A	NM_001134407	13	12	4	115	307	12717	74,37	99,1
chr16	10031883	10032486	GRIN2A	NM_001134407	13	12	3	593	1798	85170	141,01	88,7
chr16	10273753	10274261	GRIN2A	NM_001134407	13	12	2	414	594	27874	54,76	98,3
chr16	15737164	15737358	NDE1	NM_001143979	10	8	1	661	1269	56082	287,6	29,5
chr16	15758508	15758687	NDE1	NM_001143979	10	8	3	83	388	16908	93,93	62,7

chr16	15761074	15761244	NDE1	NM_001143979	10	8	4	154	131	5604	32,77	66,2
chr16	15771568	15771765	NDE1	NM_001143979	10	8	5	149	270	12426	62,76	72,5
chr16	15781094	15781430	NDE1	NM_001143979	10	8	6	137	1117	49307	146,31	100
chr16	15785059	15785244	NDE1	NM_001143979	10	8	7	180	441	19257	103,53	67,8
chr16	15787978	15788187	NDE1	NM_001143979	10	8	8	92	396	16741	79,72	100
chr16	15790464	15790738	NDE1	NM_001143979	10	8	9	152	404	18426	67	100
chr16	15817964	15818383	NDE1	NM_001143979	10	8	10	61	1002	42499	101,19	100
chr16	23400136	23400348	COG7	NM_153603	17	17	17	167	161	6626	31,11	64,7
chr16	23403747	23403947	COG7	NM_153603	17	17	16	144	868	39001	194,03	68,1
chr16	23404585	23404770	COG7	NM_153603	17	17	15	115	605	26730	143,71	73
chr16	23409281	23409481	COG7	NM_153603	17	17	14	84	405	16933	84,24	100
chr16	23415056	23415247	COG7	NM_153603	17	17	13	141	88	3655	19,04	70,9
chr16	23417329	23417520	COG7	NM_153603	17	17	12	187	167	7341	38,23	66,3
chr16	23421623	23421823	COG7	NM_153603	17	17	11	66	533	22648	112,68	89,4
chr16	23424672	23424851	COG7	NM_153603	17	17	10	117	1359	59106	328,37	70,9
chr16	23428336	23428536	COG7	NM_153603	17	17	9	155	637	26602	132,35	69
chr16	23430059	23430232	COG7	NM_153603	17	17	8	128	145	6368	36,6	70,3
chr16	23436125	23436343	COG7	NM_153603	17	17	7	199	230	9760	44,57	72,4
chr16	23444811	23445029	COG7	NM_153603	17	17	6	123	1245	50913	232,48	100
chr16	23445951	23446154	COG7	NM_153603	17	17	5	83	312	14238	69,79	100
chr16	23453856	23454026	COG7	NM_153603	17	17	4	169	326	13569	79,35	65,7
chr16	23456290	23456493	COG7	NM_153603	17	17	3	117	703	29986	146,99	100
chr16	23457182	23457361	COG7	NM_153603	17	17	2	149	69	2635	14,64	67,8
chr16	23464172	23464381	COG7	NM_153603	17	17	1	169	96	3561	16,96	85,2
chr16	30712003	30712283	SRCAP	NM_006662	34	32	3	54	332	14805	52,69	100
chr16	30715295	30715584	SRCAP	NM_006662	34	32	4	252	1156	54369	187,48	79,4
chr16	30718454	30718666	SRCAP	NM_006662	34	32	5	186	411	17572	82,5	87,6
chr16	30718934	30719137	SRCAP	NM_006662	34	32	6	141	189	8643	42,37	70,9
chr16	30720738	30721418	SRCAP	NM_006662	34	32	7,8	223.278	2724	132774	194,97	100,0,88.8
chr16	30721900	30722500	SRCAP	NM_006662	34	32	9,10	94,90	1159	55357	92,11	100,0,100,0
chr16	30722796	30723734	SRCAP	NM_006662	34	32	11,12,13	174.323.178	3692	172717	183,94	100,0,100,0,85.4
chr16	30723916	30724104	SRCAP	NM_006662	34	32	13	137	276	11984	63,41	76,6
chr16	30724544	30725082	SRCAP	NM_006662	34	32	15,16	170.193	1360	65702	121,9	91.2,100.0
chr16	30727343	30727774	SRCAP	NM_006662	34	32	17,18	137.187	2531	115866	268,21	100,0,86.1
chr16	30731392	30731604	SRCAP	NM_006662	34	32	19	170	233	10518	49,38	71,8
chr16	30731951	30732240	SRCAP	NM_006662	34	32	20	266	328	14810	51,07	77,8
chr16	30732561	30732868	SRCAP	NM_006662	34	32	21	288	859	37980	123,31	82,3
chr16	30733367	30733555	SRCAP	NM_006662	34	32	22	165	270	11859	62,75	68,5
chr16	30733801	30734001	SRCAP	NM_006662	34	32	23	186	281	12535	62,36	63,4
chr16	30734216	30734505	SRCAP	NM_006662	34	32	24	267	469	22360	77,1	83,1
chr16	30734970	30736524	SRCAP	NM_006662	34	32	25	1499	9869	475557	305,82	95,7
chr16	30740337	30740955	SRCAP	NM_006662	34	32	26,27	266.203	1970	91933	148,52	81.2,100.0
chr16	30744599	30745368	SRCAP	NM_006662	34	32	28,29,30	170.197.115	2225	105611	137,16	100,0,100,0,100.0
chr16	30745827	30746036	SRCAP	NM_006662	34	32	31	120	408	16992	80,91	91,7
chr16	30747440	30747892	SRCAP	NM_006662	34	32	32,33	195,84	964	45372	100,16	100,0,36.9
chr16	30748431	30751123	SRCAP	NM_006662	34	32	34	2685	13670	659847	245,02	97,7
chr16	51170906	51171447	SALL1	NM_002968	3	3	3	437	1400	65635	121,1	97,3
chr16	51172633	51175230	SALL1	NM_002968	3	3	2	3462	8620	417692	160,77	75
chr16	51175294	51176137	SALL1	NM_002968	3	3	2	3462	1309	62151	73,64	22
chr16	51185094	51185267	SALL1	NM_002968	3	3	1	76	10	450	2,59	77,6
chr16	53636015	53636191	RPGRIIP1L	NM_015272	27	26	27	113	207	8834	49,91	76,1
chr16	53639264	53639452	RPGRIIP1L	NM_015272	27	26	26	134	303	12858	68,03	44,8
chr16	53644760	53644966	RPGRIIP1L	NM_015272	27	26	25	85	660	30554	147,6	100
chr16	53652895	53653113	RPGRIIP1L	NM_015272	27	26	24	184	321	13858	63,28	96,2
chr16	53656254	53656374	RPGRIIP1L	NM_015272	27	26	23	138	17	541	4,47	10,9
chr16	53670296	53670484	RPGRIIP1L	NM_015272	27	26	22	74	257	10946	57,92	100
chr16	53671592	53671786	RPGRIIP1L	NM_015272	27	26	21	160	970	41097	210,75	100

chr16	53672205	53672390	RPGRI1L	NM_015272	27	26	20	102	360	16316	87,72	100
chr16	53674954	53675373	RPGRI1L	NM_015272	27	26	19,18	84.191	597	27365	65,15	89.3,92.7
chr16	53679529	53679978	RPGRI1L	NM_015272	27	26	17	379	655	31125	69,17	100
chr16	53682845	53683054	RPGRI1L	NM_015272	27	26	16	152	87	3590	17,1	100
chr16	53686449	53686904	RPGRI1L	NM_015272	27	26	15	453	910	43659	95,74	99,6
chr16	53690303	53690512	RPGRI1L	NM_015272	27	26	14	118	373	16817	80,08	100
chr16	53691339	53691524	RPGRI1L	NM_015272	27	26	13	180	148	6544	35,18	88,9
chr16	53692229	53692408	RPGRI1L	NM_015272	27	26	12	51	521	21909	121,72	100
chr16	53692702	53692905	RPGRI1L	NM_015272	27	26	11	107	351	13715	67,23	83,2
chr16	53698676	53698891	RPGRI1L	NM_015272	27	26	10	140	418	17680	81,85	78,6
chr16	53705295	53705498	RPGRI1L	NM_015272	27	26	9	74	196	7664	37,57	100
chr16	53706733	53706927	RPGRI1L	NM_015272	27	26	8	147	192	8371	42,93	99,3
chr16	53708920	53709108	RPGRI1L	NM_015272	27	26	7	106	139	6152	32,55	100
chr16	53720340	53720531	RPGRI1L	NM_015272	27	26	6	144	404	17601	91,67	100
chr16	53721737	53721910	RPGRI1L	NM_015272	27	26	5	103	128	5560	31,95	100
chr16	53725967	53726333	RPGRI1L	NM_015272	27	26	4	299	1247	59466	162,03	100
chr16	53730052	53730270	RPGRI1L	NM_015272	27	26	3	145	463	22454	102,53	100
chr16	53734492	53734683	RPGRI1L	NM_015272	27	26	2	85	190	8415	43,83	100
chr16	53844065	53844265	FTO	NM_001080432	9	9	2	78	447	19440	96,72	83,3
chr16	53859812	53860504	FTO	NM_001080432	9	9	3	628	1676	80812	116,61	94,3
chr16	53877990	53878163	FTO	NM_001080432	9	9	4	144	228	9882	56,79	67,4
chr16	53907643	53907849	FTO	NM_001080432	9	9	5	80	507	21903	105,81	100
chr16	53913697	53913891	FTO	NM_001080432	9	9	6	144	189	8916	45,72	94,4
chr16	53922628	53922828	FTO	NM_001080432	9	9	7	120	645	27437	136,5	70,8
chr16	53967855	53968070	FTO	NM_001080432	9	9	8	125	259	11894	55,06	100
chr16	54145722	54145922	FTO	NM_001080432	9	9	9	154	467	19587	97,45	68,8
chr16	56518622	56518825	BBS2	NM_031885	17	17	17	107	878	37528	183,96	100
chr16	56519415	56519603	BBS2	NM_031885	17	17	16	149	390	15770	83,44	68,5
chr16	56530783	56530983	BBS2	NM_031885	17	17	15	113	1819	80775	401,87	92,9
chr16	56531608	56531781	BBS2	NM_031885	17	17	14	138	707	29385	168,88	92
chr16	56532317	56532511	BBS2	NM_031885	17	17	13	132	418	19106	97,98	100
chr16	56533639	56533869	BBS2	NM_031885	17	17	12	130	331	14144	61,23	100
chr16	56534793	56534972	BBS2	NM_031885	17	17	11	172	151	6617	36,76	84,3
chr16	56535188	56535364	BBS2	NM_031885	17	17	10	145	256	11562	65,32	69
chr16	56536138	56536326	BBS2	NM_031885	17	17	9	140	1840	82593	437	70
chr16	56536555	56536755	BBS2	NM_031885	17	17	8	136	618	25919	128,95	100
chr16	56539885	56540171	BBS2	NM_031885	17	17	7,6	87.105	650	28745	100,16	73.6,100.0
chr16	56543792	56543977	BBS2	NM_031885	17	17	5	78	569	25675	138,04	100
chr16	56544701	56544889	BBS2	NM_031885	17	17	4	63	811	36135	191,19	100
chr16	56545033	56545239	BBS2	NM_031885	17	17	3	126	436	19119	92,36	100
chr16	56548341	56548627	BBS2	NM_031885	17	17	2	228	959	45174	157,4	100
chr16	56553654	56553830	BBS2	NM_031885	17	17	1	117	38	1432	8,09	100
chr16	57684191	57684406	GPR56	NM_005682	15	13	3	64	358	16270	75,32	100
chr16	57685141	57685602	GPR56	NM_005682	15	13	4	423	1737	81330	176,04	93,1
chr16	57687092	57687271	GPR56	NM_005682	15	13	5	133	139	5567	30,93	100
chr16	57687856	57688035	GPR56	NM_005682	15	13	6	148	254	10592	58,84	93,2
chr16	57689327	57689548	GPR56	NM_005682	15	13	7	132	187	7717	34,76	87,9
chr16	57689730	57689900	GPR56	NM_005682	15	13	8	117	1330	57938	338,82	96,6
chr16	57690045	57690236	GPR56	NM_005682	15	13	9	46	774	32405	168,78	100
chr16	57690440	57690652	GPR56	NM_005682	15	13	10	104	158	6800	31,92	86,5
chr16	57691237	57691428	GPR56	NM_005682	15	13	11	119	318	13623	70,95	100
chr16	57693324	57693604	GPR56	NM_005682	15	13	12	287	657	31022	110,4	94,1
chr16	57694648	57694830	GPR56	NM_005682	15	13	13	109	297	13010	71,09	100
chr16	57695632	57695918	GPR56	NM_005682	15	13	14	269	440	19394	67,57	91,4
chr16	57697361	57697549	GPR56	NM_005682	15	13	15	131	242	10308	54,54	100
chr16	69362811	69363177	COG8	NM_032382	6	5	6	559	1260	58731	160,03	48,7
chr16	69364789	69365054	COG8	NM_032382	6	5	5	257	288	13560	50,98	81,7

chr16	69366545	69366718	COG8	NM_032382	6	5	4	169	365	14858	85,39	60,4
chr16	69368342	69369200	COG8	NM_032382	6	5	3	828	1809	85914	100,02	93,8
chr16	69370453	69370638	COG8	NM_032382	6	5	2	208	1130	49650	266,94	78,4
chr16	69373094	69373555	COG8	NM_032382	6	5	1	377	430	18089	39,15	96
chr16	71601938	71602227	TAT	NM_000353	12	11	12	141	570	26065	89,88	100
chr16	71602628	71602810	TAT	NM_000353	12	11	11	99	812	37064	202,54	85,9
chr16	71603773	71603952	TAT	NM_000353	12	11	10	84	86	3835	21,31	81
chr16	71604210	71604392	TAT	NM_000353	12	11	9	129	445	18107	98,95	70,5
chr16	71604509	71604682	TAT	NM_000353	12	11	8	153	162	6503	37,37	66
chr16	71605449	71605622	TAT	NM_000353	12	11	7	53	241	9561	54,95	100
chr16	71606120	71606314	TAT	NM_000353	12	11	6	139	175	7480	38,36	77,7
chr16	71606396	71606623	TAT	NM_000353	12	11	5	159	252	10113	44,36	100
chr16	71607312	71607503	TAT	NM_000353	12	11	4	68	168	7122	37,09	91,2
chr16	71609867	71610369	TAT	NM_000353	12	11	3,2	105.235	3814	178374	354,62	60,0,100.0
chr16	75573956	75574156	TMEM231	NM_001077418	7	7	7	181	84	3759	18,7	64,6
chr16	75575218	75575442	TMEM231	NM_001077418	7	7	6	106	166	7364	32,73	100
chr16	75576520	75576640	TMEM231	NM_001077418	7	7	5	82	92	3176	26,25	75,6
chr16	75579146	75579266	TMEM231	NM_001077418	7	7	4	144	81	2831	23,4	11,8
chr16	75579842	75579962	TMEM231	NM_001077418	7	7	3	129	508	18286	151,12	8,5
chr16	75589750	75590258	TMEM231	NM_001077418	7	7	2,1	170.139	414	18825	36,98	71,8,100.0
chr16	81118173	81118293	GCSH	NM_004483	5	5	4	132	54	2151	17,78	20,5
chr16	81121212	81121409	GCSH	NM_004483	5	5	3	64	110	4777	24,13	90,6
chr16	81124285	81124405	GCSH	NM_004483	5	5	2	80	346	11990	99,09	1,2
chr16	83932828	83933342	MLYCD	NM_012213	5	5	1	528	5	168	0,33	85,2
chr16	83940544	83940747	MLYCD	NM_012213	5	5	2	113	586	26236	128,61	100
chr16	83941639	83941833	MLYCD	NM_012213	5	5	3	157	131	5648	28,96	65,6
chr16	83945782	83945955	MLYCD	NM_012213	5	5	4	150	399	15794	90,77	88,7
chr16	83948507	83949036	MLYCD	NM_012213	5	5	5	534	668	32266	60,88	89,1
chr16	89160253	89160459	ACSF3	NM_001243279	11	9	1	188	0	0	0	80,9
chr16	89167139	89167801	ACSF3	NM_001243279	11	9	3	666	672	31678	47,78	92,6
chr16	89168950	89169156	ACSF3	NM_001243279	11	9	4	156	381	16040	77,49	92,9
chr16	89178545	89178724	ACSF3	NM_001243279	11	9	5	155	169	7297	40,54	71
chr16	89180645	89180848	ACSF3	NM_001243279	11	9	6	149	192	8885	43,55	68,5
chr16	89187140	89187343	ACSF3	NM_001243279	11	9	7	113	363	16328	80,04	100
chr16	89199524	89199727	ACSF3	NM_001243279	11	9	8	127	204	8330	40,83	100
chr16	89211670	89211891	ACSF3	NM_001243279	11	9	9	135	220	8790	39,59	100
chr16	89212253	89212435	ACSF3	NM_001243279	11	9	10	112	622	27207	148,67	80,4
chr16	89220497	89220694	ACSF3	NM_001243279	11	9	11	118	165	7356	37,15	100
chr16	89238170	89238370	CDH15	NM_004933	14	14	1	42	9	372	1,85	100
chr16	89245742	89245927	CDH15	NM_004933	14	14	2	159	40	1530	8,23	65,4
chr16	89246606	89246806	CDH15	NM_004933	14	14	3	156	24	1002	4,99	100
chr16	89249858	89250055	CDH15	NM_004933	14	14	4	145	352	15258	77,06	69
chr16	89251607	89251970	CDH15	NM_004933	14	14	5	161	59	2456	6,75	83,9
chr16	89253845	89254024	CDH15	NM_004933	14	14	6	129	931	40879	227,11	93,8
chr16	89254500	89254697	CDH15	NM_004933	14	14	7	186	130	5518	27,87	100
chr16	89256583	89256866	CDH15	NM_004933	14	14	8	254	182	7796	27,45	85
chr16	89257695	89258301	CDH15	NM_004933	14	14	9,10	143.240	404	17419	28,7	100.0,99.6
chr16	89258637	89258914	CDH15	NM_004933	14	14	11	240	13	536	1,93	90
chr16	89259825	89260244	CDH15	NM_004933	14	14	12,13	137.159	278	13264	31,58	100.0,51.6
chr16	89261261	89261633	CDH15	NM_004933	14	14	14	294	102	4425	11,86	100
chr16	89335033	89335153	ANKRD11	NM_013275	13	11	13	186	5	188	1,55	21
chr16	89337245	89337424	ANKRD11	NM_013275	13	11	12	93	102	4147	23,04	78,5
chr16	89341330	89341699	ANKRD11	NM_013275	13	11	11,10	144,99	118	5145	13,91	25.0,100.0
chr16	89344946	89345534	ANKRD11	NM_013275	13	11	9	6578	235	10923	18,54	0,8
chr16	89346084	89352115	ANKRD11	NM_013275	13	11	9	6578	13002	628345	104,17	90,8
chr16	89352369	89352557	ANKRD11	NM_013275	13	11	8	148	466	21729	114,97	75
chr16	89354817	89355011	ANKRD11	NM_013275	13	11	7	143	473	20815	106,74	53,1

chr16	89357068	89357671	ANKRD11	NM_013275	13	11	6,5	204.171	708	33062	54,74	82.8,100.0
chr16	89371654	89371839	ANKRD11	NM_013275	13	11	4	139	156	7118	38,27	71,2
chr16	89383336	89383545	ANKRD11	NM_013275	13	11	3	87	1196	53248	253,56	100
chr17	2541573	2541758	PAFAH1B1	NM_000430	11	10	2	32	209	8628	46,39	100
chr17	2568682	2568867	PAFAH1B1	NM_000430	11	10	3	85	185	7930	42,63	81,2
chr17	2569171	2569371	PAFAH1B1	NM_000430	11	10	4	75	116	4821	23,99	82,7
chr17	2570213	2570333	PAFAH1B1	NM_000430	11	10	5	207	26	1094	9,04	23,2
chr17	2573509	2573706	PAFAH1B1	NM_000430	11	10	6	169	432	19759	99,79	69,2
chr17	2575860	2576069	PAFAH1B1	NM_000430	11	10	7	103	378	17009	81	100
chr17	2577270	2577455	PAFAH1B1	NM_000430	11	10	8	229	51	1682	9,04	44,5
chr17	2579824	2580000	PAFAH1B1	NM_000430	11	10	9	102	276	10916	61,67	75,5
chr17	2583510	2583710	PAFAH1B1	NM_000430	11	10	10	157	590	24534	122,06	66,9
chr17	2584896	2585084	PAFAH1B1	NM_000430	11	10	11	74	142	6353	33,61	83,8
chr17	3379317	3379689	ASPA	NM_001128085	7	6	2	236	738	33681	90,3	100
chr17	3384909	3385079	ASPA	NM_001128085	7	6	3	196	112	4416	25,82	87,2
chr17	3386739	3386939	ASPA	NM_001128085	7	6	4	94	538	24320	121	100
chr17	3392464	3392637	ASPA	NM_001128085	7	6	5	108	237	9876	56,76	100
chr17	3397577	3397768	ASPA	NM_001128085	7	6	6	110	363	16695	86,95	100
chr17	3402196	3402461	ASPA	NM_001128085	7	6	7	198	323	13952	52,45	94,4
chr17	7487014	7487324	MPDU1	NM_004870	7	7	1	103	280	12565	40,4	100
chr17	7489012	7489363	MPDU1	NM_004870	7	7	2,3	66.133	743	34277	97,38	100.0,75.2
chr17	7489978	7491132	MPDU1	NM_004870	7	7	4,5,6,7	86.119.111.126	4855	232348	201,17	100.0,100.0,100.0,100.0
chr17	17696232	17701884	RAI1	NM_030665	6	4	3	5565	10911	525117	92,89	100
chr17	17707097	17707457	RAI1	NM_030665	6	4	4	94	1195	56829	157,42	71,3
chr17	17712453	17712813	RAI1	NM_030665	6	4	5	50	455	20695	57,33	100
chr17	19552194	19552468	ALDH3A2	NM_001031806	11	10	1	153	18	802	2,92	100
chr17	19554772	19555043	ALDH3A2	NM_001031806	11	10	2	232	2337	109252	401,66	79,3
chr17	19555877	19556062	ALDH3A2	NM_001031806	11	10	3	86	389	14114	75,88	80,2
chr17	19559745	19559957	ALDH3A2	NM_001031806	11	10	4	209	593	26366	123,78	68,4
chr17	19560992	19561183	ALDH3A2	NM_001031806	11	10	5	118	408	17028	88,69	100
chr17	19564470	19564670	ALDH3A2	NM_001031806	11	10	6	142	185	7551	37,57	78,9
chr17	19566664	19566861	ALDH3A2	NM_001031806	11	10	7	167	266	10531	53,19	89,2
chr17	19568255	19568428	ALDH3A2	NM_001031806	11	10	8	100	137	5775	33,19	100
chr17	19574963	19575228	ALDH3A2	NM_001031806	11	10	9	236	550	23798	89,47	82,6
chr17	19576361	19576558	ALDH3A2	NM_001031806	11	10	10	84	479	22397	113,12	100
chr17	19578814	19579008	ALDH3A2	NM_001031806	11	10	11	2034	613	26062	133,65	6,8
chr17	29482945	29483133	NF1	NM_001042492	58	58	2	144	199	8178	43,27	92,4
chr17	29486026	29486229	NF1	NM_001042492	58	58	3	84	248	11055	54,19	100
chr17	29490270	29490446	NF1	NM_001042492	58	58	4	191	139	5877	33,2	65,4
chr17	29496828	29497028	NF1	NM_001042492	58	58	5	107	350	15012	74,69	100
chr17	29508367	29508579	NF1	NM_001042492	58	58	6	68	83	3172	14,89	100
chr17	29508695	29508886	NF1	NM_001042492	58	58	7	76	130	4885	25,44	100
chr17	29509510	29509698	NF1	NM_001042492	58	58	8	158	253	11003	58,22	100
chr17	29527431	29527551	NF1	NM_001042492	58	58	9	174	265	9716	80,3	64,4
chr17	29528090	29528272	NF1	NM_001042492	58	58	10	123	109	4835	26,42	71,5
chr17	29528469	29528589	NF1	NM_001042492	58	58	11	75	10	272	2,25	46,7
chr17	29533229	29533438	NF1	NM_001042492	58	58	12	132	782	33380	158,95	100
chr17	29545979	29546200	NF1	NM_001042492	58	58	14	114	522	22532	101,5	100
chr17	29550578	29550698	NF1	NM_001042492	58	58	16	124	142	4380	36,2	6,5
chr17	29552114	29552305	NF1	NM_001042492	58	58	17	156	512	22934	119,45	99,4
chr17	29557393	29557513	NF1	NM_001042492	58	58	23	123	33	1471	12,16	6,5
chr17	29559123	29559323	NF1	NM_001042492	58	58	25	117	119	5197	25,86	72,6
chr17	29559756	29560169	NF1	NM_001042492	58	58	26,27	182.212	1516	69727	168,42	79.1,70.8
chr17	29562538	29562818	NF1	NM_001042492	58	58	28	162	959	41678	148,32	100
chr17	29562858	29562978	NF1	NM_001042492	58	58	29	104	232	7759	64,12	41,3
chr17	29575969	29576175	NF1	NM_001042492	58	58	30	136	127	5739	27,72	100
chr17	29579838	29580023	NF1	NM_001042492	58	58	31	63	90	3800	20,43	100

chr17	29585274	29585465	NF1	NM_001042492	58	58	32	159	260	11506	59,93	65,4
chr17	29587398	29587574	NF1	NM_001042492	58	58	34	147	659	27654	156,24	92,5
chr17	29588731	29588928	NF1	NM_001042492	58	58	35	147	1079	48174	243,3	98,6
chr17	29592326	29592446	NF1	NM_001042492	58	58	36	111	111	4207	34,77	28,8
chr17	29652893	29653348	NF1	NM_001042492	58	58	37	433	1062	49390	108,31	87,3
chr17	29654527	29654890	NF1	NM_001042492	58	58	38	341	1458	70302	193,14	97,1
chr17	29657314	29657514	NF1	NM_001042492	58	58	39	203	359	14734	73,3	99
chr17	29661921	29662121	NF1	NM_001042492	58	58	40	194	344	15402	76,63	66,5
chr17	29663329	29663941	NF1	NM_001042492	58	58	41,42	141.280	1489	70085	114,33	100,0,100,0
chr17	29664362	29664556	NF1	NM_001042492	58	58	43	215	230	9088	46,61	79,5
chr17	29664786	29665146	NF1	NM_001042492	58	58	44,45	62.115	673	29168	80,8	100,0,90,4
chr17	29665645	29665833	NF1	NM_001042492	58	58	46	102	275	11895	62,94	100
chr17	29667537	29667716	NF1	NM_001042492	58	58	47	141	357	14429	80,16	90,1
chr17	29669956	29670165	NF1	NM_001042492	58	58	48	127	394	17257	82,18	100
chr17	29676058	29676261	NF1	NM_001042492	58	58	49	132	344	15295	74,98	93,9
chr17	29677226	29677509	NF1	NM_001042492	58	58	50	136	216	10051	35,39	81,6
chr17	29679238	29679468	NF1	NM_001042492	58	58	51	158	268	11943	51,7	100
chr17	29683471	29683665	NF1	NM_001042492	58	58	52	123	80	3445	17,67	100
chr17	29684013	29684462	NF1	NM_001042492	58	58	53,54	131.101	1155	54553	121,23	73,3,100,0
chr17	29685498	29685686	NF1	NM_001042492	58	58	55	143	476	21164	111,98	100
chr17	29685906	29686100	NF1	NM_001042492	58	58	56	47	149	6557	33,63	100
chr17	29687490	29687773	NF1	NM_001042492	58	58	57	217	2003	90175	317,52	100
chr17	29700926	29701292	NF1	NM_001042492	58	58	58	143	677	31630	86,19	100
chr17	40688321	40688767	NAGLU	NM_000263	6	6	1	383	5	206	0,46	92,2
chr17	40689344	40689520	NAGLU	NM_000263	6	6	2	148	374	16027	90,55	70,9
chr17	40690299	40690745	NAGLU	NM_000263	6	6	3,4	147,86	840	37382	83,63	100,0,67,4
chr17	40692910	40693190	NAGLU	NM_000263	6	6	5	257	1995	88840	316,16	86,8
chr17	40695081	40696330	NAGLU	NM_000263	6	6	6	1211	847	40246	32,2	97,1
chr17	42928604	42928774	EFTUD2	NM_004247	28	27	28	96	771	32257	188,64	100
chr17	42929091	42929276	EFTUD2	NM_004247	28	27	27	108	226	10343	55,61	88
chr17	42929768	42929986	EFTUD2	NM_004247	28	27	26	154	184	8402	38,37	100
chr17	42930659	42931010	EFTUD2	NM_004247	28	27	25,24	95.119	536	23385	66,43	100,0,100,0
chr17	42931631	42932038	EFTUD2	NM_004247	28	27	23,22	88.127	1846	83662	205,05	100,0,90,6
chr17	42932288	42932473	EFTUD2	NM_004247	28	27	21	87	184	8336	44,82	97,7
chr17	42934446	42934649	EFTUD2	NM_004247	28	27	20	83	463	19520	95,69	96,4
chr17	42936443	42936670	EFTUD2	NM_004247	28	27	19	102	754	33837	148,41	100
chr17	42937317	42937502	EFTUD2	NM_004247	28	27	18	141	245	10890	58,55	68,8
chr17	42937755	42937952	EFTUD2	NM_004247	28	27	17	112	451	20027	101,15	100
chr17	42940146	42940334	EFTUD2	NM_004247	28	27	16	194	516	23634	125,05	66,5
chr17	42941061	42941243	EFTUD2	NM_004247	28	27	15	128	378	15894	86,85	70,3
chr17	42942202	42942390	EFTUD2	NM_004247	28	27	14	136	622	27059	143,17	68,4
chr17	42945164	42945355	EFTUD2	NM_004247	28	27	13	91	27	1187	6,18	100
chr17	42945553	42945756	EFTUD2	NM_004247	28	27	12	64	326	14432	70,75	100
chr17	42949826	42950026	EFTUD2	NM_004247	28	27	11	125	390	16339	81,29	90,4
chr17	42953212	42953415	EFTUD2	NM_004247	28	27	10	167	823	37847	185,52	68,3
chr17	42956939	42957112	EFTUD2	NM_004247	28	27	9	83	474	20425	117,39	81,9
chr17	42957791	42958000	EFTUD2	NM_004247	28	27	8	91	132	5930	28,24	86,8
chr17	42958993	42959211	EFTUD2	NM_004247	28	27	7	36	789	33664	153,72	100
chr17	42960399	42960578	EFTUD2	NM_004247	28	27	6	66	483	21370	118,72	100
chr17	42961023	42961208	EFTUD2	NM_004247	28	27	5	76	143	6265	33,68	92,1
chr17	42962523	42962741	EFTUD2	NM_004247	28	27	4	79	659	29474	134,58	100
chr17	42963866	42964066	EFTUD2	NM_004247	28	27	3	166	448	19965	99,33	68,7
chr17	42971775	42971969	EFTUD2	NM_004247	28	27	2	105	742	32640	167,38	100
chr17	42987803	42988003	GFAP	NM_001242376	7	7	7	190	224	9607	47,8	87,9
chr17	42988642	42988904	GFAP	NM_001242376	7	7	6	221	128	5751	21,87	82,8
chr17	42989065	42989268	GFAP	NM_001242376	7	7	5	126	159	6314	30,95	80,2
chr17	42990572	42990766	GFAP	NM_001242376	7	7	4	162	302	11852	60,78	80,2

chr17	42990974	42991168	GFAP	NM_001242376	7	7	3	96	1305	56432	289,39	76
chr17	42991391	42991588	GFAP	NM_001242376	7	7	2	61	248	10101	51,02	100
chr17	42992321	42992862	GFAP	NM_001242376	7	7	1	461	672	30441	56,16	100
chr17	44108743	44109020	KANSL1	NM_001193465	16	14	16	228	351	15272	54,94	78,5
chr17	44109455	44109753	KANSL1	NM_001193465	16	14	15	253	185	7938	26,55	83,4
chr17	44110473	44110858	KANSL1	NM_001193465	16	14	14,13	113,58	1489	66357	171,91	76.1,100.0
chr17	44111557	44111736	KANSL1	NM_001193465	16	14	12	122	239	10043	55,79	75,4
chr17	44115952	44116152	KANSL1	NM_001193465	16	14	11	149	276	12257	60,98	67,8
chr17	44116311	44116511	KANSL1	NM_001193465	16	14	10	189	114	4682	23,29	63
chr17	44117073	44117273	KANSL1	NM_001193465	16	14	9	183	564	24668	122,73	97,3
chr17	44127824	44128009	KANSL1	NM_001193465	16	14	8	172	365	16270	87,47	64,5
chr17	44143948	44144157	KANSL1	NM_001193465	16	14	7	196	220	9380	44,67	77
chr17	44144876	44145082	KANSL1	NM_001193465	16	14	6	119	289	12535	60,56	100
chr17	44159760	44159969	KANSL1	NM_001193465	16	14	5	102	585	23354	111,21	100
chr17	44171971	44172153	KANSL1	NM_001193465	16	14	4	142	836	36533	199,63	68,3
chr17	44248159	44249479	KANSL1	NM_001193465	16	14	3	1289	4842	236129	178,75	97,7
chr17	71189140	71189470	COG1	NM_018714	14	14	1	315	49	2248	6,79	83,2
chr17	71192618	71193562	COG1	NM_018714	14	14	2,3,4	245.182.171	2960	141419	149,65	100.0,100.0,100.0
chr17	71195936	71196166	COG1	NM_018714	14	14	5	157	668	28027	121,33	100
chr17	71196637	71196837	COG1	NM_018714	14	14	6	211	328	14489	72,08	63
chr17	71197289	71198138	COG1	NM_018714	14	14	7	792	3911	188156	221,36	94,8
chr17	71199045	71199236	COG1	NM_018714	14	14	8	147	474	20945	109,09	66,7
chr17	71199745	71199963	COG1	NM_018714	14	14	9	162	182	7834	35,77	100
chr17	71201586	71201792	COG1	NM_018714	14	14	10	128	229	9864	47,65	78,9
chr17	71202198	71202374	COG1	NM_018714	14	14	11	109	123	4844	27,37	75,2
chr17	71202738	71202932	COG1	NM_018714	14	14	12	110	1232	52279	268,1	78,2
chr17	71203282	71203568	COG1	NM_018714	14	14	13	76	449	20863	72,69	100
chr17	71204322	71204673	COG1	NM_018714	14	14	14	138	2238	104968	298,2	100
chr17	73942728	73942925	ACOX1	NM_004035	14	14	14	48	210	9428	47,62	100
chr17	73944364	73944570	ACOX1	NM_004035	14	14	13	207	96	4383	21,17	84,5
chr17	73945228	73945926	ACOX1	NM_004035	14	14	12,11,10	144.106.180	1785	85959	122,97	100.0,100.0,71.1
chr17	73946804	73946989	ACOX1	NM_004035	14	14	9	191	169	7247	38,96	70,7
chr17	73947521	73947694	ACOX1	NM_004035	14	14	8	163	491	21669	124,53	84,7
chr17	73949537	73949740	ACOX1	NM_004035	14	14	7	170	163	6846	33,56	97,1
chr17	73951623	73952054	ACOX1	NM_004035	14	14	6,5	116.120	852	40815	94,48	100.0,100.0
chr17	73953484	73953696	ACOX1	NM_004035	14	14	4	108	328	14081	66,11	100
chr17	73956350	73956550	ACOX1	NM_004035	14	14	3	161	139	6324	31,46	66,5
chr17	73974519	73974734	ACOX1	NM_004035	14	14	2	160	342	15195	70,35	75
chr17	73974996	73975214	ACOX1	NM_004035	14	14	1	109	51	2069	9,45	100
chr17	79477820	79477940	ACTG1	NM_001199954	6	5	6	144	30	916	7,57	27,8
chr17	79478128	79478248	ACTG1	NM_001199954	6	5	5,4	182.439	188	6777	56,01	3.8,8.0
chr17	79478635	79478755	ACTG1	NM_001199954	6	5	4	439	275	8605	71,12	4,1
chr17	79479142	79479443	ACTG1	NM_001199954	6	5	3,2	240.123	453	20770	68,77	11.2,100.0
chr17	79891139	79891315	PYCR1	NM_006907	7	7	7	163	93	4041	22,83	69,9
chr17	79892041	79892967	PYCR1	NM_006907	7	7	6,5,4	164,93,222	408	19052	20,55	100.0,100.0,74.8
chr17	79893247	79893417	PYCR1	NM_006907	7	7	3	180	181	7464	43,65	81,1
chr17	79893912	79894094	PYCR1	NM_006907	7	7	2	71	496	22702	124,05	100
chr17	79894558	79894740	PYCR1	NM_006907	7	7	1	67	19	774	4,23	100
chr18	3451873	3452417	TGIF1	NM_170695	3	3	1	403	407	17817	32,69	100
chr18	3456396	3456821	TGIF1	NM_170695	3	3	2	227	657	28490	66,88	80,6
chr18	3457389	3458069	TGIF1	NM_170695	3	3	3	576	3644	176830	259,66	95,5
chr18	42281224	42281854	SETBP1	NM_015559	6	5	2	486	1256	57532	91,18	100
chr18	42449076	42449291	SETBP1	NM_015559	6	5	3	54	653	27710	128,29	100
chr18	42529766	42533264	SETBP1	NM_015559	6	5	4	3460	13226	634757	181,41	98,8
chr18	42618362	42618559	SETBP1	NM_015559	6	5	5	171	414	18146	91,65	64,3
chr18	42643084	42643743	SETBP1	NM_015559	6	5	6	620	1099	51764	78,43	93,5
chr18	44682368	44682553	IER3IP1	NM_016097	3	3	3	56	502	21903	117,76	10,7

chr18	44683823	44684005	IER3IP1	NM_016097	3	3	2	102	583	26680	145,79	84,3
chr18	44702619	44702819	IER3IP1	NM_016097	3	3	1	91	228	10345	51,47	33
chr18	46570346	46570620	DYM	NM_017653	17	16	17	150	407	18133	65,94	100
chr18	46623803	46624000	DYM	NM_017653	17	16	16	114	222	8828	44,59	72,8
chr18	46645103	46645359	DYM	NM_017653	17	16	15	183	675	29514	114,84	100
chr18	46689981	46690160	DYM	NM_017653	17	16	14	103	38	1542	8,57	100
chr18	46783323	46783526	DYM	NM_017653	17	16	13	95	553	24376	119,49	100
chr18	46784691	46784873	DYM	NM_017653	17	16	12	114	297	12959	70,81	100
chr18	46798477	46798680	DYM	NM_017653	17	16	11	126	423	18493	90,65	100
chr18	46808373	46808585	DYM	NM_017653	17	16	10	179	513	23008	108,02	96,6
chr18	46812740	46812919	DYM	NM_017653	17	16	9	183	291	12214	67,86	63,4
chr18	46858180	46858386	DYM	NM_017653	17	16	8	143	175	7285	35,19	100
chr18	46859988	46860200	DYM	NM_017653	17	16	7	126	81	3340	15,68	81,7
chr18	46889442	46889627	DYM	NM_017653	17	16	6	73	300	13261	71,3	100
chr18	46904906	46905094	DYM	NM_017653	17	16	5	134	447	19601	103,71	100
chr18	46905948	46906145	DYM	NM_017653	17	16	4	94	288	12560	63,43	100
chr18	46917903	46918073	DYM	NM_017653	17	16	3	53	366	15912	93,05	100
chr18	46956616	46956813	DYM	NM_017653	17	16	2	140	260	10020	50,61	100
chr18	48573372	48573711	SMAD4	NM_005359	12	11	2	249	443	20159	59,29	100
chr18	48575015	48575212	SMAD4	NM_005359	12	11	3	175	309	13213	66,73	89,7
chr18	48575645	48575848	SMAD4	NM_005359	12	11	4	30	139	6130	30,05	100
chr18	48581129	48581329	SMAD4	NM_005359	12	11	5	213	1546	65860	327,66	84
chr18	48584534	48584900	SMAD4	NM_005359	12	11	6,7	120,117	1052	50392	137,31	67,5,100.0
chr18	48586169	48586354	SMAD4	NM_005359	12	11	8	51	324	13301	71,51	100
chr18	48591808	48592023	SMAD4	NM_005359	12	11	9	184	632	27057	125,26	91,8
chr18	48593360	48593581	SMAD4	NM_005359	12	11	10	169	283	12299	55,4	100
chr18	48602961	48603191	SMAD4	NM_005359	12	11	11	139	100	4418	19,13	100
chr18	48604644	48604933	SMAD4	NM_005359	12	11	12	212	958	46296	159,64	91,5
chr18	52895362	52895547	TCF4	NM_001243226	21	20	20	137	579	23891	128,45	67,2
chr18	52896121	52896404	TCF4	NM_001243226	21	20	19	230	1248	58072	204,48	81,3
chr18	52899663	52899848	TCF4	NM_001243226	21	20	18	163	823	33865	182,07	66,9
chr18	52901674	52901871	TCF4	NM_001243226	21	20	17	136	245	10662	53,85	68,4
chr18	52921795	52921980	TCF4	NM_001243226	21	20	16	204	1175	50325	270,56	67,2
chr18	52924450	52924647	TCF4	NM_001243226	21	20	15	77	422	17395	87,85	100
chr18	52927073	52927243	TCF4	NM_001243226	21	20	14	79	132	5772	33,75	81
chr18	52928615	52928845	TCF4	NM_001243226	21	20	13	68	209	8923	38,63	100
chr18	52936961	52937146	TCF4	NM_001243226	21	20	12	133	762	32930	177,04	63,9
chr18	52942891	52943085	TCF4	NM_001243226	21	20	11	134	1256	56959	292,1	69,4
chr18	52946805	52947008	TCF4	NM_001243226	21	20	10	106	233	10215	50,07	78,3
chr18	53017484	53017681	TCF4	NM_001243226	21	20	9	50	365	15780	79,7	100
chr18	53018057	53018284	TCF4	NM_001243226	21	20	8	130	160	6851	30,05	100
chr18	53070724	53071007	TCF4	NM_001243226	21	20	7	65	882	40286	141,85	40
chr18	53128209	53128385	TCF4	NM_001243226	21	20	6	97	113	4689	26,49	100
chr18	53131222	53131437	TCF4	NM_001243226	21	20	5	62	309	13733	63,58	100
chr18	53252461	53252646	TCF4	NM_001243226	21	20	4	73	562	24309	130,69	100
chr18	53254265	53254447	TCF4	NM_001243226	21	20	3	92	73	3403	18,6	100
chr18	53298548	53298724	TCF4	NM_001243226	21	20	2	91	139	5966	33,71	79,1
chr18	53302873	53303126	TCF4	NM_001243226	21	20	1	195	676	31469	123,89	99
chr18	57103071	57103360	CCBE1	NM_133459	11	11	11	234	477	21814	75,22	94,4
chr18	57105326	57105532	CCBE1	NM_133459	11	11	10	36	756	33331	161,02	100
chr18	57106696	57106976	CCBE1	NM_133459	11	11	9,8	36,140	526	24061	85,63	100,0,48.6
chr18	57115243	57115449	CCBE1	NM_133459	11	11	7	121	244	10752	51,94	76,9
chr18	57122072	57122251	CCBE1	NM_133459	11	11	6	101	445	18725	104,03	100
chr18	57133961	57134182	CCBE1	NM_133459	11	11	5	153	630	26405	118,94	100
chr18	57136656	57136874	CCBE1	NM_133459	11	11	4	135	911	40637	185,56	100
chr18	57147280	57147480	CCBE1	NM_133459	11	11	3	53	118	4987	24,81	100
chr18	57363845	57364015	CCBE1	NM_133459	11	11	2	81	161	6988	40,87	100

chr18	57364387	57364581	CCBE1	NM_133459	11	11	1	131	11	474	2,43	100
chr18	59713115	59713312	PIGN	NM_176787	31	28	31	124	107	4307	21,75	79
chr18	59739858	59740046	PIGN	NM_176787	31	28	30	53	141	5752	30,43	100
chr18	59741935	59742135	PIGN	NM_176787	31	28	29	43	121	4891	24,33	100
chr18	59749850	59750032	PIGN	NM_176787	31	28	28	74	47	1885	10,3	100
chr18	59751715	59751885	PIGN	NM_176787	31	28	27	76	124	5268	30,81	100
chr18	59752413	59752598	PIGN	NM_176787	31	28	26	56	110	4346	23,37	100
chr18	59755874	59756071	PIGN	NM_176787	31	28	25	87	368	16515	83,41	95,4
chr18	59757704	59757889	PIGN	NM_176787	31	28	24	103	102	4365	23,47	100
chr18	59763019	59763234	PIGN	NM_176787	31	28	23	103	161	7441	34,45	100
chr18	59768252	59768446	PIGN	NM_176787	31	28	22	109	350	14436	74,03	100
chr18	59770013	59770198	PIGN	NM_176787	31	28	21	109	366	15227	81,87	100
chr18	59772735	59772917	PIGN	NM_176787	31	28	20	92	176	7905	43,2	100
chr18	59774050	59774324	PIGN	NM_176787	31	28	19,18	93.100	466	21046	76,53	69,9,100.0
chr18	59777014	59777205	PIGN	NM_176787	31	28	17	140	305	13256	69,04	99,3
chr18	59780354	59780557	PIGN	NM_176787	31	28	16	183	199	8762	42,95	100
chr18	59781699	59781896	PIGN	NM_176787	31	28	15	79	154	6392	32,28	100
chr18	59805330	59805542	PIGN	NM_176787	31	28	14	56	188	8245	38,71	100
chr18	59806176	59806358	PIGN	NM_176787	31	28	13	93	563	24986	136,54	100
chr18	59807596	59807766	PIGN	NM_176787	31	28	12	60	197	8076	47,23	100
chr18	59810467	59810658	PIGN	NM_176787	31	28	11	41	53	2007	10,45	100
chr18	59813102	59813299	PIGN	NM_176787	31	28	10	117	76	3263	16,48	100
chr18	59814105	59814311	PIGN	NM_176787	31	28	9	131	672	27475	132,73	82,4
chr18	59815366	59815566	PIGN	NM_176787	31	28	8	125	210	8706	43,31	96
chr18	59821706	59821888	PIGN	NM_176787	31	28	7	107	240	10598	57,91	100
chr18	59824295	59824477	PIGN	NM_176787	31	28	6	99	515	23333	127,5	100
chr18	59824876	59825082	PIGN	NM_176787	31	28	5	122	654	27897	134,77	100
chr18	59828341	59828600	PIGN	NM_176787	31	28	4	221	633	29086	111,87	100
chr18	77439865	77440231	CTDP1	NM_004715	13	13	1	314	0	0	0	90,4
chr18	77455091	77455291	CTDP1	NM_004715	13	13	2	84	368	14644	72,86	79,8
chr18	77455872	77456057	CTDP1	NM_004715	13	13	3	94	573	24275	130,51	86,2
chr18	77457778	77457948	CTDP1	NM_004715	13	13	4	129	306	12811	74,92	69
chr18	77464801	77465016	CTDP1	NM_004715	13	13	5	151	202	8560	39,63	77,5
chr18	77470257	77470451	CTDP1	NM_004715	13	13	6	91	148	6635	34,03	100
chr18	77473005	77473226	CTDP1	NM_004715	13	13	7	167	241	9839	44,32	80,2
chr18	77474412	77475480	CTDP1	NM_004715	13	13	8	1038	650	30555	28,58	95,4
chr18	77477572	77478101	CTDP1	NM_004715	13	13	9,10	142.207	511	23399	44,15	73,9,100.0
chr18	77488851	77489051	CTDP1	NM_004715	13	13	11	163	390	16739	83,28	89
chr18	77496286	77496462	CTDP1	NM_004715	13	13	12	167	36	1603	9,06	64,7
chr18	77513670	77513891	CTDP1	NM_004715	13	13	13	139	45	1889	8,51	87,1
chr19	1383732	1383938	NDUFS7	NM_024407	8	8	1	16	17	767	3,71	81,2
chr19	1387652	1387879	NDUFS7	NM_024407	8	8	2	37	59	2596	11,39	100
chr19	1388546	1389629	NDUFS7	NM_024407	8	8	3,4	69.106	1090	50941	46,99	68.1,100.0
chr19	1390852	1391132	NDUFS7	NM_024407	8	8	5,6	180,47	185	8190	29,15	100.0,31.9
chr19	1393204	1393377	NDUFS7	NM_024407	8	8	7	89	1037	45719	262,75	100
chr19	1395368	1395562	NDUFS7	NM_024407	8	8	8	98	17	750	3,85	100
chr19	1398702	1399225	GAMT	NM_138924	5	5	5,4	351,68	1249	57819	110,34	92.3,100.0
chr19	1399493	1399690	GAMT	NM_138924	5	5	3	64	70	3264	16,48	100
chr19	1399773	1399952	GAMT	NM_138924	5	5	2	146	71	3028	16,82	100
chr19	1401269	1401442	GAMT	NM_138924	5	5	1	181	14	422	2,43	81,8
chr19	4090528	4090781	MAP2K2	NM_030662	11	11	11	111	78	3205	12,62	100
chr19	4094376	4094561	MAP2K2	NM_030662	11	11	10	116	60	2559	13,76	100
chr19	4095391	4095576	MAP2K2	NM_030662	11	11	9	62	152	6214	33,41	91,9
chr19	4097217	4097393	MAP2K2	NM_030662	11	11	8	65	155	6606	37,32	100
chr19	4099280	4099480	MAP2K2	NM_030662	11	11	7	214	259	11354	56,49	62,1
chr19	4101082	4101362	MAP2K2	NM_030662	11	11	6,5	125,52	117	4794	17,06	48.0,100.0
chr19	4102387	4102569	MAP2K2	NM_030662	11	11	4	78	61	2633	14,39	83,3

chr19	4110554	4110754	MAP2K2	NM_030662	11	11	3	147	302	12816	63,76	68
chr19	4117496	4117696	MAP2K2	NM_030662	11	11	2	211	1137	46177	229,74	62,6
chr19	4123820	4124017	MAP2K2	NM_030662	11	11	1	92	6	208	1,05	57,6
chr19	5892247	5893244	NDUFA11	NM_001193375	4	4	4	374	866	40564	40,65	84,8
chr19	5896349	5896573	NDUFA11	NM_001193375	4	4	3	123	17	731	3,25	89,4
chr19	5896846	5897031	NDUFA11	NM_001193375	4	4	2	93	731	31159	167,52	100
chr19	5903615	5903803	NDUFA11	NM_001193375	4	4	1	97	91	3731	19,74	100
chr19	7587611	7587817	MCOLN1	NM_020533	14	14	1	31	19	868	4,19	100
chr19	7589844	7590124	MCOLN1	NM_020533	14	14	2	206	251	12008	42,73	100
chr19	7591296	7591828	MCOLN1	NM_020533	14	14	3,4	168.166	1256	55788	104,67	100.0,100.0
chr19	7592399	7592842	MCOLN1	NM_020533	14	14	5,6	109,97	467	20670	46,55	100.0,95.9
chr19	7592966	7593148	MCOLN1	NM_020533	14	14	7	100	199	8473	46,3	100
chr19	7593557	7594157	MCOLN1	NM_020533	14	14	8,9,10	107.150.102	1203	55041	91,58	30.8,100.0,100.0
chr19	7594508	7594702	MCOLN1	NM_020533	14	14	11	123	1191	52011	266,72	74
chr19	7595124	7595407	MCOLN1	NM_020533	14	14	12	216	848	40302	141,91	100
chr19	7598476	7598756	MCOLN1	NM_020533	14	14	13,14	131,37	356	16221	57,73	48.9,100.0
chr19	11094756	11095063	SMARCA4	NM_001128849	36	35	2	222	361	14834	48,16	100
chr19	11095989	11096189	SMARCA4	NM_001128849	36	35	3	133	268	11129	55,37	69,9
chr19	11096792	11097220	SMARCA4	NM_001128849	36	35	4	405	503	22912	53,41	87,9
chr19	11097469	11097654	SMARCA4	NM_001128849	36	35	5	99	175	6938	37,3	74,7
chr19	11098270	11098553	SMARCA4	NM_001128849	36	35	6	259	101	4266	15,02	81,9
chr19	11100015	11100215	SMARCA4	NM_001128849	36	35	7	127	242	10008	49,79	82,7
chr19	11101737	11101964	SMARCA4	NM_001128849	36	35	8	174	105	4200	18,42	79,9
chr19	11105415	11105615	SMARCA4	NM_001128849	36	35	9	174	206	8155	40,57	64,4
chr19	11106943	11107309	SMARCA4	NM_001128849	36	35	10,11	168,51	332	14955	40,75	67.9,100.0
chr19	11113741	11114098	SMARCA4	NM_001128849	36	35	12,13	131,58	500	22780	63,63	72.5,100.0
chr19	11118541	11118744	SMARCA4	NM_001128849	36	35	14	122	136	5871	28,78	100
chr19	11120971	11121186	SMARCA4	NM_001128849	36	35	15	151	4227	185060	856,76	86,1
chr19	11123657	11123869	SMARCA4	NM_001128849	36	35	16	164	582	23840	111,92	80,5
chr19	11129547	11129723	SMARCA4	NM_001128849	36	35	17	67	617	25992	146,85	100
chr19	11130248	11130436	SMARCA4	NM_001128849	36	35	18	111	486	19655	103,99	100
chr19	11132087	11132625	SMARCA4	NM_001128849	36	35	19	243	398	18781	34,84	92,6
chr19	11134126	11134320	SMARCA4	NM_001128849	36	35	20	114	335	13233	67,86	100
chr19	11134900	11135103	SMARCA4	NM_001128849	36	35	21	108	276	11301	55,4	89,8
chr19	11136085	11136315	SMARCA4	NM_001128849	36	35	22	87	723	30744	133,09	100
chr19	11136973	11137167	SMARCA4	NM_001128849	36	35	23	47	425	17632	90,42	100
chr19	11138478	11138672	SMARCA4	NM_001128849	36	35	24	167	1469	65318	334,96	89,2
chr19	11141439	11141734	SMARCA4	NM_001128849	36	35	25	164	82	3612	12,2	79,9
chr19	11144011	11144294	SMARCA4	NM_001128849	36	35	26	228	230	10037	35,34	80,3
chr19	11144466	11144651	SMARCA4	NM_001128849	36	35	27	99	118	5374	28,89	76,8
chr19	11144776	11144979	SMARCA4	NM_001128849	36	35	28	78	305	13813	67,71	100
chr19	11145618	11145913	SMARCA4	NM_001128849	36	35	29	219	27	1278	4,32	87,2
chr19	11150008	11150217	SMARCA4	NM_001128849	36	35	30	96	89	3933	18,73	87,5
chr19	11151932	11152227	SMARCA4	NM_001128849	36	35	31	254	175	6667	22,52	96,5
chr19	11168941	11169144	SMARCA4	NM_001128849	36	35	32	109	289	12361	60,59	90,8
chr19	11169435	11169659	SMARCA4	NM_001128849	36	35	33	102	214	10019	44,53	100
chr19	11170377	11170790	SMARCA4	NM_001128849	36	35	34,35	133.143	241	11444	27,64	100.0,49.0
chr19	11172435	11172647	SMARCA4	NM_001128849	36	35	36	33	329	14070	66,06	100
chr19	12757344	12757541	MAN2B1	NM_000528	24	24	24	113	700	30505	154,07	95,6
chr19	12757998	12758346	MAN2B1	NM_000528	24	24	23,22	103.156	857	40314	115,51	100.0,57.7
chr19	12759010	12759317	MAN2B1	NM_000528	24	24	21	228	131	6190	20,1	90,8
chr19	12760000	12760271	MAN2B1	NM_000528	24	24	20,19	81,88	408	18955	69,69	38.3,100.0
chr19	12760749	12761121	MAN2B1	NM_000528	24	24	18,17	102.119	1187	54154	145,18	78.4,100.0
chr19	12762967	12763321	MAN2B1	NM_000528	24	24	16,15	118,98	1571	75172	211,75	100.0,100.0
chr19	12766575	12766769	MAN2B1	NM_000528	24	24	14	186	109	4791	24,57	64
chr19	12767267	12767482	MAN2B1	NM_000528	24	24	13	117	258	10806	50,03	83,8
chr19	12767695	12767978	MAN2B1	NM_000528	24	24	12	108	1052	44631	157,15	100

chr19	12768283	12768483	MAN2B1	NM_000528	24	24	11	110	76	3131	15,58	79,1
chr19	12768937	12769365	MAN2B1	NM_000528	24	24	10,9,8	79,121,83	555	26479	61,72	24.1,100.0,100.0
chr19	12771965	12772186	MAN2B1	NM_000528	24	24	7	117	621	27631	124,46	96,6
chr19	12774028	12774246	MAN2B1	NM_000528	24	24	6	146	212	8741	39,91	79,5
chr19	12774557	12774727	MAN2B1	NM_000528	24	24	5	133	363	14878	87,01	69,9
chr19	12775611	12775796	MAN2B1	NM_000528	24	24	4	194	317	13720	73,76	95,9
chr19	12776187	12776621	MAN2B1	NM_000528	24	24	3,2	174,103	704	31864	73,25	87.9,100.0
chr19	12777295	12777495	MAN2B1	NM_000528	24	24	1	159	13	563	2,8	87,4
chr19	12917420	12917605	RNASEH2A	NM_006397	8	8	1	127	112	5104	27,44	92,9
chr19	12917882	12918375	RNASEH2A	NM_006397	8	8	2,3,4	72,124,88	797	38534	78	16.7,100.0,100.0
chr19	12920931	12921306	RNASEH2A	NM_006397	8	8	5,6	138,88	400	19359	51,49	66.7,100.0
chr19	12923823	12924278	RNASEH2A	NM_006397	8	8	7,8	124,139	1069	49796	109,2	100.0,98.6
chr19	14017154	14017351	CC2D1A	NM_017721	29	29	1	60	20	852	4,3	100
chr19	14020515	14020810	CC2D1A	NM_017721	29	29	2	136	837	38132	128,82	100
chr19	14023145	14023428	CC2D1A	NM_017721	29	29	3,4	116,66	260	10915	38,43	92.2,100.0
chr19	14024018	14024550	CC2D1A	NM_017721	29	29	5,6	135.235	666	32000	60,04	72.6,100.0
chr19	14028769	14028975	CC2D1A	NM_017721	29	29	7	125	171	7069	34,15	74,4
chr19	14029276	14030039	CC2D1A	NM_017721	29	29	8,9,10,11	73,72,131,73	762	34153	44,7	100.0,100.0,100.0,100.0
chr19	14030530	14030751	CC2D1A	NM_017721	29	29	12	134	123	5431	24,46	90,3
chr19	14031333	14031699	CC2D1A	NM_017721	29	29	13,14	112.173	267	11601	31,61	100.0,79.2
chr19	14034172	14034719	CC2D1A	NM_017721	29	29	15,16,17	123,59,117	1235	59275	108,17	78.9,100.0,100.0
chr19	14037398	14038146	CC2D1A	NM_017721	29	29	18,19,20,21,22	74,59,52,100,91	2738	130342	174,02	8.1,100.0,100.0,100.0,100.0
chr19	14038598	14038985	CC2D1A	NM_017721	29	29	23,24	138,65	576	27515	70,91	100.0,75.4
chr19	14040120	14040418	CC2D1A	NM_017721	29	29	25,26	64.127	87	3871	12,95	100.0,56.7
chr19	14040809	14041163	CC2D1A	NM_017721	29	29	27,28	77,48	250	11605	32,69	100.0,100.0
chr19	14640405	14640605	TECR	NM_138501	13	13	1	15	137	5616	27,94	100
chr19	14673336	14673536	TECR	NM_138501	13	13	2	51	147	6012	29,91	100
chr19	14673946	14674155	TECR	NM_138501	13	13	3	52	532	24731	117,77	100
chr19	14674444	14675121	TECR	NM_138501	13	13	4,5,6,7	45.104.116.106	1043	49791	73,44	100.0,100.0,100.0,100.0
chr19	14675637	14676018	TECR	NM_138501	13	13	8,9,10,11	73,44,58,89	968	40097	104,97	46.6,100.0,100.0,5.6
chr19	14676064	14676184	TECR	NM_138501	13	13	11	89	28	589	4,87	43,8
chr19	14676359	14676621	TECR	NM_138501	13	13	12,13	46.128	33	1479	5,62	100.0,51.6
chr19	18266614	18266977	PIK3R2	NM_005027	16	15	2	322	32	1557	4,28	89,4
chr19	18271295	18271480	PIK3R2	NM_005027	16	15	3	93	314	13757	73,96	84,9
chr19	18271665	18272256	PIK3R2	NM_005027	16	15	4,5,6	51.132.217	230	10386	17,54	100.0,100.0,77.4
chr19	18272805	18273393	PIK3R2	NM_005027	16	15	7,8,9	86,109,99	397	18699	31,75	66.3,100.0,100.0
chr19	18273788	18274237	PIK3R2	NM_005027	16	15	10,11	181.126	1024	46607	103,57	93.9,100.0
chr19	18276932	18277111	PIK3R2	NM_005027	16	15	12	143	355	14922	82,9	99,3
chr19	18277999	18278196	PIK3R2	NM_005027	16	15	13	177	442	18584	93,86	66,7
chr19	18279227	18279664	PIK3R2	NM_005027	16	15	14,15	72.171	215	9934	22,68	100.0,75.4
chr19	18279833	18280193	PIK3R2	NM_005027	16	15	16	208	259	11464	31,76	100
chr19	33878230	33878418	PEPD	NM_000285	15	15	15	138	348	15089	79,84	100
chr19	33878809	33879255	PEPD	NM_000285	15	15	14	192	1047	48815	109,21	93,2
chr19	33882150	33882347	PEPD	NM_000285	15	15	13	185	106	4558	23,02	79,5
chr19	33892633	33892818	PEPD	NM_000285	15	15	12	149	143	6662	35,82	96
chr19	33902489	33902689	PEPD	NM_000285	15	15	11	78	418	17076	84,96	100
chr19	33904381	33904596	PEPD	NM_000285	15	15	10	69	19	817	3,78	100
chr19	33953898	33954089	PEPD	NM_000285	15	15	9	47	327	14753	76,84	100
chr19	33954842	33955027	PEPD	NM_000285	15	15	8	76	444	18394	98,89	100
chr19	33968945	33969127	PEPD	NM_000285	15	15	7	45	405	14651	80,06	100
chr19	33980760	33980984	PEPD	NM_000285	15	15	6	62	99	4212	18,72	100
chr19	33984194	33984364	PEPD	NM_000285	15	15	5	48	260	10112	59,13	100
chr19	33991850	33992023	PEPD	NM_000285	15	15	4	64	372	15668	90,05	90,6
chr19	34001972	34002157	PEPD	NM_000285	15	15	3	128	226	8991	48,34	70,3
chr19	34003427	34003627	PEPD	NM_000285	15	15	2	184	204	9280	46,17	70,1
chr19	34012611	34012808	PEPD	NM_000285	15	15	1	17	5	168	0,85	100
chr19	36545882	36546106	WDR62	NM_001083961	32	32	1	177	54	2143	9,52	95,5

chr19	36549749	36550035	WDR62	NM_001083961	32	32	2	92	960	43049	150	27,2
chr19	36550744	36550926	WDR62	NM_001083961	32	32	3	63	331	13439	73,44	90,5
chr19	36556758	36556946	WDR62	NM_001083961	32	32	4	58	834	35024	185,31	100
chr19	36557155	36557337	WDR62	NM_001083961	32	32	5	171	383	16608	90,75	100
chr19	36558143	36558355	WDR62	NM_001083961	32	32	6	138	1276	55717	261,58	100
chr19	36558783	36558989	WDR62	NM_001083961	32	32	7	183	557	23258	112,36	71
chr19	36562413	36562598	WDR62	NM_001083961	32	32	8	161	609	25309	136,07	87,6
chr19	36564236	36564620	WDR62	NM_001083961	32	32	9	190	1048	44447	115,45	100
chr19	36572243	36572446	WDR62	NM_001083961	32	32	10	138	78	3167	15,52	81,2
chr19	36573881	36574093	WDR62	NM_001083961	32	32	11	179	340	14594	68,52	72,1
chr19	36575425	36575640	WDR62	NM_001083961	32	32	12	92	163	6464	29,93	93,5
chr19	36577611	36577820	WDR62	NM_001083961	32	32	13	126	348	14207	67,65	82,5
chr19	36579948	36580243	WDR62	NM_001083961	32	32	14,15	68.122	754	34611	116,93	88.2,100.0
chr19	36581269	36581454	WDR62	NM_001083961	32	32	16	76	278	11809	63,49	100
chr19	36582145	36582422	WDR62	NM_001083961	32	32	17,18	112,64	1280	58772	211,41	61.6,100.0
chr19	36583542	36583742	WDR62	NM_001083961	32	32	19	123	148	6227	30,98	100
chr19	36584938	36585141	WDR62	NM_001083961	32	32	20	134	586	24654	120,85	96,3
chr19	36587809	36587985	WDR62	NM_001083961	32	32	21	53	1131	47486	268,28	100
chr19	36590197	36590501	WDR62	NM_001083961	32	32	22	219	438	18595	60,97	91,8
chr19	36591688	36591861	WDR62	NM_001083961	32	32	23	128	364	14547	83,6	70,3
chr19	36592118	36592339	WDR62	NM_001083961	32	32	24	104	246	10688	48,14	98,1
chr19	36592448	36592672	WDR62	NM_001083961	32	32	25	111	121	5119	22,75	96,4
chr19	36592839	36593042	WDR62	NM_001083961	32	32	26	138	174	7380	36,18	92
chr19	36593596	36594815	WDR62	NM_001083961	32	32	27,28,29,30	115,127,52,639	2980	144051	118,07	100.0,100.0,100.0,89.4
chr19	36595342	36595883	WDR62	NM_001083961	32	32	31,32	158.261	539	23089	42,6	100.0,82.0
chr19	41903761	41903955	BCKDHA	NM_000709	9	9	1	108	76	2927	15,01	74,1
chr19	41916550	41916907	BCKDHA	NM_000709	9	9	2,3	180,87	569	25246	70,52	95.6,92.0
chr19	41919961	41920182	BCKDHA	NM_000709	9	9	4	109	165	6766	30,48	93,6
chr19	41924984	41925190	BCKDHA	NM_000709	9	9	5	162	738	33084	159,83	93,2
chr19	41928116	41928289	BCKDHA	NM_000709	9	9	6	207	280	10899	62,64	77,3
chr19	41928482	41929073	BCKDHA	NM_000709	9	9	7,8	142.172	2374	112677	190,33	100.0,99.4
chr19	41930330	41930515	BCKDHA	NM_000709	9	9	9	171	295	12684	68,19	100
chr19	44010960	44011163	ETHE1	NM_014297	7	7	7	53	128	5883	28,84	100
chr19	44012058	44012249	ETHE1	NM_014297	7	7	6	117	104	4095	21,33	100
chr19	44012796	44013002	ETHE1	NM_014297	7	7	5	90	569	24064	116,25	84,4
chr19	44015484	44015678	ETHE1	NM_014297	7	7	4	130	542	24992	128,16	69,2
chr19	44030282	44030811	ETHE1	NM_014297	7	7	3,2	149.145	646	27705	52,27	100.0,100.0
chr19	44031113	44031328	ETHE1	NM_014297	7	7	1	81	655	27109	125,5	98,8
chr19	45854751	45854945	ERCC2	NM_000400	23	23	23	93	261	10851	55,65	63,4
chr19	45855530	45856115	ERCC2	NM_000400	23	23	22,21,20	144,144,71	703	33587	57,32	56.2,100.0,100.0
chr19	45856398	45856666	ERCC2	NM_000400	23	23	19,18	73,93	364	15475	57,53	21.9,100.0
chr19	45857984	45858190	ERCC2	NM_000400	23	23	17	122	600	25938	125,3	100
chr19	45858833	45859012	ERCC2	NM_000400	23	23	16	64	1257	56548	314,16	100
chr19	45860585	45861025	ERCC2	NM_000400	23	23	15,14,13	102,70,70	588	27433	62,21	44.1,100.0,100.0
chr19	45864782	45865154	ERCC2	NM_000400	23	23	12	119	787	36146	96,91	100
chr19	45867015	45867843	ERCC2	NM_000400	23	23	11,10,9,8	169,134,97,124	178	8150	9,83	91.7,100.0,100.0,100.0
chr19	45868093	45868474	ERCC2	NM_000400	23	23	7,6	117.117	357	16123	42,21	100.0,100.0
chr19	45871811	45872014	ERCC2	NM_000400	23	23	5	114	753	32792	160,75	100
chr19	45872129	45872412	ERCC2	NM_000400	23	23	4,3	63,78	1944	90731	319,48	100.0,100.0
chr19	45873420	45873958	ERCC2	NM_000400	23	23	2,1	100,5	103	4003	7,43	71.0,100.0
chr19	46273761	46273955	DMPK	NM_001081563	14	14	14	153	93	4136	21,21	90,2
chr19	46274221	46274439	DMPK	NM_001081563	14	14	13	90	30	1255	5,73	100
chr19	46274557	46275154	DMPK	NM_001081563	14	14	12,11,10	47,98,158	530	24886	41,62	100.0,100.0,79.7
chr19	46275791	46275979	DMPK	NM_001081563	14	14	9	112	861	38320	202,75	72,3
chr19	46278203	46278406	DMPK	NM_001081563	14	14	8	86	535	24202	118,64	100
chr19	46280524	46281112	DMPK	NM_001081563	14	14	7,6	264.207	645	28849	48,98	100.0,90.8
chr19	46281403	46281576	DMPK	NM_001081563	14	14	5	94	63	2031	11,67	80,9

chr19	46281781	46281996	DMPK	NM_001081563	14	14	4	149	469	21605	100,02	79,9
chr19	46282522	46282826	DMPK	NM_001081563	14	14	3,2	96,84	291	12505	41	100,0,100,0
chr19	46283056	46283336	DMPK	NM_001081563	14	14	1	282	494	22925	81,58	92,9
chr19	47258744	47260224	FKRP	NM_024301	4	1	4	1488	780	35624	24,05	97,6
chr19	50364437	50365929	PNKP	NM_007254	17	16	17,16,15,14,13,12,11,10	118,62,88,110,62,97,93,71	621	29484	19,75	100,0,100,0,100,0,100,0,100,0,100,0
chr19	50366929	50367132	PNKP	NM_007254	17	16	8	72	189	7369	36,12	100
chr19	50367265	50367723	PNKP	NM_007254	17	16	7,6,5	108,58,80	1021	46820	102	59,3,100,0,100,0
chr19	50368278	50368647	PNKP	NM_007254	17	16	4	300	321	14512	39,22	88
chr19	50369651	50369848	PNKP	NM_007254	17	16	3	47	548	23260	117,47	100
chr19	50370225	50370425	PNKP	NM_007254	17	16	2	151	124	5196	25,85	76,2
chr20	3869713	3870390	PANK2	NM_153638	7	7	1	628	186	8803	12,98	100
chr20	3888568	3888943	PANK2	NM_153638	7	7	2	353	1069	51144	136,02	100
chr20	3891225	3891505	PANK2	NM_153638	7	7	3	254	977	42917	152,73	99,6
chr20	3893077	3893259	PANK2	NM_153638	7	7	4	177	430	19128	104,52	87,6
chr20	3897610	3897795	PANK2	NM_153638	7	7	5	124	272	11796	63,42	71
chr20	3899292	3899477	PANK2	NM_153638	7	7	6	126	473	20692	111,25	100
chr20	3903832	3904091	PANK2	NM_153638	7	7	7	51	158	6788	26,11	100
chr20	8113194	8113456	PLCB1	NM_015192	32	32	1	99	37	1702	6,47	100
chr20	8130864	8131058	PLCB1	NM_015192	32	32	2	78	530	22524	115,51	100
chr20	8351911	8352087	PLCB1	NM_015192	32	32	3	69	436	18219	102,93	85,5
chr20	8608896	8609117	PLCB1	NM_015192	32	32	4	138	186	7974	35,92	100
chr20	8626715	8626930	PLCB1	NM_015192	32	32	5	80	437	18668	86,43	100
chr20	8628500	8628697	PLCB1	NM_015192	32	32	6	54	132	6123	30,92	100
chr20	8629921	8630103	PLCB1	NM_015192	32	32	7	76	401	16628	90,86	100
chr20	8637798	8638010	PLCB1	NM_015192	32	32	8	101	1065	48026	225,47	100
chr20	8639182	8639370	PLCB1	NM_015192	32	32	9	167	410	17819	94,28	100
chr20	8665581	8665787	PLCB1	NM_015192	32	32	10	147	1908	78210	377,83	98,6
chr20	8678323	8678526	PLCB1	NM_015192	32	32	11	158	395	17427	85,43	68,4
chr20	8689269	8689451	PLCB1	NM_015192	32	32	12	83	587	23899	130,6	100
chr20	8696810	8697037	PLCB1	NM_015192	32	32	13	85	850	37876	166,12	100
chr20	8698249	8698446	PLCB1	NM_015192	32	32	14	178	128	5573	28,15	72,5
chr20	8702919	8703095	PLCB1	NM_015192	32	32	15	68	234	10476	59,19	100
chr20	8705250	8705435	PLCB1	NM_015192	32	32	16	97	261	10802	58,08	100
chr20	8707963	8708163	PLCB1	NM_015192	32	32	17	85	299	13506	67,19	91,8
chr20	8709676	8709894	PLCB1	NM_015192	32	32	18	125	435	18415	84,09	100
chr20	8713846	8714076	PLCB1	NM_015192	32	32	19	155	151	6554	28,37	100
chr20	8717677	8717874	PLCB1	NM_015192	32	32	20	165	382	16678	84,23	98,8
chr20	8719854	8720072	PLCB1	NM_015192	32	32	21	100	140	5848	26,7	100
chr20	8720930	8721157	PLCB1	NM_015192	32	32	22	105	235	9642	42,29	100
chr20	8722068	8722271	PLCB1	NM_015192	32	32	23	110	577	25322	124,13	100
chr20	8737613	8737786	PLCB1	NM_015192	32	32	24	133	9	379	2,18	70,7
chr20	8741013	8741207	PLCB1	NM_015192	32	32	25	54	154	6418	32,91	100
chr20	8745737	8746002	PLCB1	NM_015192	32	32	26	220	397	18153	68,24	98,6
chr20	8755220	8755408	PLCB1	NM_015192	32	32	27	181	337	14076	74,48	81,2
chr20	8769029	8769297	PLCB1	NM_015192	32	32	28,29	77,90	162	7428	27,61	100,0,20,0
chr20	8770117	8770329	PLCB1	NM_015192	32	32	30	58	636	26447	124,16	100
chr20	8770797	8770997	PLCB1	NM_015192	32	32	31	87	132	5187	25,81	100
chr20	8862252	8862591	PLCB1	NM_015192	32	32	32	228	2868	128268	377,26	100
chr20	10385836	10386332	MKKS	NM_018848	6	4	6	441	1098	52977	106,59	99,3
chr20	10388203	10388433	MKKS	NM_018848	6	4	5	111	676	29242	126,59	100
chr20	10389200	10389403	MKKS	NM_018848	6	4	4	176	557	24730	121,23	72,7
chr20	10393177	10394245	MKKS	NM_018848	6	4	3	985	3273	156948	146,82	100
chr20	30946398	30946607	ASXL1	NM_015338	12	12	1	57	1	25	0,12	50,9
chr20	30954142	30954327	ASXL1	NM_015338	12	12	2	83	381	16921	90,97	100
chr20	30956711	30956899	ASXL1	NM_015338	12	12	3	112	115	4841	25,61	75,9
chr20	31016012	31016277	ASXL1	NM_015338	12	12	4,5	121,98	755	32807	123,33	33,1,100,0
chr20	31017042	31017266	ASXL1	NM_015338	12	12	6	94	324	14074	62,55	100

chr20	31017742	31017954	ASXL1	NM_015338	12	12	7	153	117	4126	19,37	75,2
chr20	31019080	31019449	ASXL1	NM_015338	12	12	8,9	164,97	1980	95622	258,44	100,0,66.0
chr20	31020611	31020805	ASXL1	NM_015338	12	12	10	106	302	13301	68,21	100
chr20	31020994	31021677	ASXL1	NM_015338	12	12	11	634	3301	156022	228,1	93,2
chr20	31022160	31025222	ASXL1	NM_015338	12	12	12	2907	8906	432873	141,32	100
chr20	31350163	31350452	DNMT3B	NM_006892	23	22	1	315	0	0	0	83,2
chr20	31367836	31368202	DNMT3B	NM_006892	23	22	2	142	714	32438	88,39	51,4
chr20	31369161	31369358	DNMT3B	NM_006892	23	22	3	62	592	26123	131,93	96,8
chr20	31372586	31372786	DNMT3B	NM_006892	23	22	4	102	297	12403	61,71	78,4
chr20	31374213	31374407	DNMT3B	NM_006892	23	22	5	126	230	9696	49,72	79,4
chr20	31374940	31375214	DNMT3B	NM_006892	23	22	6	222	435	18430	67,02	80,6
chr20	31376563	31376769	DNMT3B	NM_006892	23	22	7	159	397	16791	81,12	69,2
chr20	31379303	31379500	DNMT3B	NM_006892	23	22	8	108	135	5711	28,84	87
chr20	31380403	31380594	DNMT3B	NM_006892	23	22	9	145	63	2729	14,21	100
chr20	31381337	31381540	DNMT3B	NM_006892	23	22	10	60	281	11062	54,23	100
chr20	31383283	31383545	DNMT3B	NM_006892	23	22	11,12	126,45	665	28036	106,6	46,0,100.0
chr20	31384581	31385095	DNMT3B	NM_006892	23	22	13,14	80,113	2790	131945	256,2	100,0,91.2
chr20	31386332	31386532	DNMT3B	NM_006892	23	22	15	184	296	13058	64,97	64,1
chr20	31387057	31387266	DNMT3B	NM_006892	23	22	16	85	230	10474	49,88	91,8
chr20	31387985	31388179	DNMT3B	NM_006892	23	22	17	146	666	25891	132,77	82,2
chr20	31388561	31388749	DNMT3B	NM_006892	23	22	18	91	1222	52945	280,13	100
chr20	31389012	31389218	DNMT3B	NM_006892	23	22	19	149	586	25418	122,79	90,6
chr20	31390202	31390396	DNMT3B	NM_006892	23	22	20	86	673	29197	149,73	87,2
chr20	31393012	31393218	DNMT3B	NM_006892	23	22	21	70	455	20348	98,3	100
chr20	31393928	31394119	DNMT3B	NM_006892	23	22	22	119	245	9706	50,55	88,2
chr20	31395483	31395849	DNMT3B	NM_006892	23	22	23	142	1136	52125	142,03	100
chr20	32868738	32868908	AHCY	NM_001161766	10	9	10	132	382	15967	93,37	52,3
chr20	32873314	32873517	AHCY	NM_001161766	10	9	9	195	60	2500	12,25	65,1
chr20	32878077	32878680	AHCY	NM_001161766	10	9	8,7,6	118,88,208	2626	122997	203,64	100,0,100,0,69.2
chr20	32879252	32879452	AHCY	NM_001161766	10	9	5	113	1087	43243	215,14	76,1
chr20	32880090	32880263	AHCY	NM_001161766	10	9	4	150	68	2889	16,6	66,7
chr20	32881889	32882083	AHCY	NM_001161766	10	9	3	76	142	5983	30,68	97,4
chr20	32882955	32883330	AHCY	NM_001161766	10	9	2	135	403	18424	49	96,3
chr20	33516489	33516695	GSS	NM_000178	13	12	13	124	1337	57925	279,83	52,4
chr20	33517272	33517460	GSS	NM_000178	13	12	12	190	1048	43909	232,32	64,2
chr20	33519154	33519345	GSS	NM_000178	13	12	11	82	320	13543	70,54	81,7
chr20	33519810	33520010	GSS	NM_000178	13	12	10	195	1166	50654	252,01	65,1
chr20	33523368	33523562	GSS	NM_000178	13	12	9	67	152	6103	31,3	100
chr20	33524522	33524817	GSS	NM_000178	13	12	8,7	78,81	413	18532	62,61	100,0,88.9
chr20	33529398	33529613	GSS	NM_000178	13	12	6	117	698	29118	134,81	83,8
chr20	33530326	33530529	GSS	NM_000178	13	12	5	140	258	10523	51,58	75
chr20	33530746	33530928	GSS	NM_000178	13	12	4	76	279	11685	63,85	84,2
chr20	33533803	33534000	GSS	NM_000178	13	12	3	146	474	19551	98,74	67,8
chr20	33539514	33539726	GSS	NM_000178	13	12	2	129	472	21560	101,22	100
chr20	34761624	34761809	EPB41L1	NM_012156	22	21	2	177	238	9902	53,24	62,1
chr20	34763385	34763591	EPB41L1	NM_012156	22	21	3	165	203	9210	44,49	72,1
chr20	34765870	34766088	EPB41L1	NM_012156	22	21	4	105	604	24311	111,01	100
chr20	34766442	34766639	EPB41L1	NM_012156	22	21	5	43	262	11668	58,93	100
chr20	34770056	34770274	EPB41L1	NM_012156	22	21	6	76	818	36811	168,09	100
chr20	34773064	34773359	EPB41L1	NM_012156	22	21	7	219	407	18472	62,41	88,6
chr20	34775469	34775678	EPB41L1	NM_012156	22	21	8	88	794	32708	155,75	92
chr20	34776286	34776474	EPB41L1	NM_012156	22	21	9	153	212	9192	48,63	88,9
chr20	34778090	34778293	EPB41L1	NM_012156	22	21	10	98	1312	57510	281,91	96,9
chr20	34778573	34778764	EPB41L1	NM_012156	22	21	11	176	341	14745	76,8	83,5
chr20	34782182	34782367	EPB41L1	NM_012156	22	21	12	149	249	9783	52,6	67,8
chr20	34783186	34783407	EPB41L1	NM_012156	22	21	13	36	3415	141959	639,45	100
chr20	34785723	34785896	EPB41L1	NM_012156	22	21	14	183	335	14971	86,04	63,4

chr20	34797331	34797774	EPB41L1	NM_012156	22	21	15	411	673	31679	71,35	88,8
chr20	34800127	34800318	EPB41L1	NM_012156	22	21	16	105	176	7998	41,66	100
chr20	34802253	34802462	EPB41L1	NM_012156	22	21	17	84	765	30452	145,01	100
chr20	34806671	34806892	EPB41L1	NM_012156	22	21	18	87	288	12313	55,46	100
chr20	34807669	34807884	EPB41L1	NM_012156	22	21	19	84	464	20583	95,29	100
chr20	34809740	34809919	EPB41L1	NM_012156	22	21	20	81	1068	46465	258,14	100
chr20	34810100	34810282	EPB41L1	NM_012156	22	21	21	117	513	20857	113,97	70,9
chr20	34817246	34817446	EPB41L1	NM_012156	22	21	22	9	131	5398	26,86	100
chr20	47538371	47538553	ARFGEF2	NM_006420	39	39	1	121	76	3141	17,16	100
chr20	47557692	47557868	ARFGEF2	NM_006420	39	39	2	31	69	2989	16,89	100
chr20	47558338	47558541	ARFGEF2	NM_006420	39	39	3	124	1037	46193	226,44	100
chr20	47567901	47568083	ARFGEF2	NM_006420	39	39	4	147	216	9259	50,6	72,1
chr20	47569231	47569425	ARFGEF2	NM_006420	39	39	5	180	526	22285	114,28	100
chr20	47570018	47570292	ARFGEF2	NM_006420	39	39	6	235	285	12675	46,09	85,1
chr20	47580240	47580434	ARFGEF2	NM_006420	39	39	7	69	206	8997	46,14	98,6
chr20	47582324	47582509	ARFGEF2	NM_006420	39	39	8	152	182	7917	42,56	66,4
chr20	47585714	47585923	ARFGEF2	NM_006420	39	39	9	131	1087	48028	228,7	77,1
chr20	47587597	47587880	ARFGEF2	NM_006420	39	39	10	235	1038	47742	168,11	95,3
chr20	47588773	47588976	ARFGEF2	NM_006420	39	39	11	100	353	15605	76,5	100
chr20	47589684	47589896	ARFGEF2	NM_006420	39	39	12	140	266	11650	54,69	98,6
chr20	47591181	47591381	ARFGEF2	NM_006420	39	39	13	109	507	21118	105,06	72,5
chr20	47592604	47592816	ARFGEF2	NM_006420	39	39	14	184	329	13395	62,89	72,3
chr20	47601176	47601349	ARFGEF2	NM_006420	39	39	15	112	498	21666	124,52	75
chr20	47601920	47602132	ARFGEF2	NM_006420	39	39	16	206	908	39125	183,69	91,3
chr20	47604809	47605184	ARFGEF2	NM_006420	39	39	17,18	85.172	603	26628	70,82	100,0,91.3
chr20	47605873	47606307	ARFGEF2	NM_006420	39	39	19,20	152.129	1287	60507	139,1	66.4,100.0
chr20	47607630	47607827	ARFGEF2	NM_006420	39	39	21	159	963	42347	213,87	66,7
chr20	47610901	47611086	ARFGEF2	NM_006420	39	39	22	148	381	15609	83,92	66,9
chr20	47612212	47612397	ARFGEF2	NM_006420	39	39	23	100	558	24483	131,63	78
chr20	47614699	47615056	ARFGEF2	NM_006420	39	39	24,25	41.170	589	28516	79,65	100.0,100.0
chr20	47621558	47621758	ARFGEF2	NM_006420	39	39	26	152	599	26192	130,31	100
chr20	47626829	47627017	ARFGEF2	NM_006420	39	39	27	173	484	20288	107,34	65,3
chr20	47628395	47628577	ARFGEF2	NM_006420	39	39	28	161	918	40749	222,67	72,7
chr20	47630015	47630473	ARFGEF2	NM_006420	39	39	29,30	131.130	3558	174013	379,11	100.0,81.5
chr20	47632754	47632945	ARFGEF2	NM_006420	39	39	31	136	634	26716	139,15	94,9
chr20	47633798	47634155	ARFGEF2	NM_006420	39	39	32,33	139,55	762	35314	98,64	91.4,100.0
chr20	47635368	47635577	ARFGEF2	NM_006420	39	39	34	115	191	8773	41,78	100
chr20	47639501	47639677	ARFGEF2	NM_006420	39	39	35	131	338	15009	84,8	68,7
chr20	47641797	47641988	ARFGEF2	NM_006420	39	39	36	169	610	24520	127,71	82,2
chr20	47645035	47645235	ARFGEF2	NM_006420	39	39	37	139	241	10481	52,14	100
chr20	47648502	47648714	ARFGEF2	NM_006420	39	39	38	118	1013	46047	216,18	100
chr20	47649473	47649848	ARFGEF2	NM_006420	39	39	39	177	715	33129	88,11	100
chr20	49551528	49551805	DPM1	NM_003859	9	9	9	105	346	14060	50,58	100
chr20	49552620	49552802	DPM1	NM_003859	9	9	8	115	918	40272	220,07	100
chr20	49557347	49557686	DPM1	NM_003859	9	9	7	69	374	16719	49,17	100
chr20	49558449	49558664	DPM1	NM_003859	9	9	6	96	1611	67783	313,81	100
chr20	49562311	49562487	DPM1	NM_003859	9	9	4	77	676	29699	167,79	100
chr20	49565037	49565249	DPM1	NM_003859	9	9	3	34	296	13018	61,12	100
chr20	49571672	49571866	DPM1	NM_003859	9	9	2	100	953	43271	221,9	100
chr20	49574894	49575079	DPM1	NM_003859	9	9	1	161	541	21816	117,29	100
chr20	57428316	57429627	GNAS	NM_080425	13	13	1	2068	1990	94032	71,67	63,2
chr20	57429694	57430427	GNAS	NM_080425	13	13	1	2068	250	11703	15,94	33,6
chr20	57470677	57470877	GNAS	NM_080425	13	13	2	73	188	8322	41,4	86,3
chr20	57473962	57474144	GNAS	NM_080425	13	13	3	45	167	7444	40,68	100
chr20	57478518	57478822	GNAS	NM_080425	13	13	4,5	55.120	1661	80071	262,53	100.0,80.0
chr20	57480332	57480526	GNAS	NM_080425	13	13	6	98	508	22812	116,98	90,8
chr20	57484285	57485190	GNAS	NM_080425	13	13	8,9,10,11	74,59,121,131	4258	202785	223,82	100.0,100.0,100.0,100.0

chr20	57485340	57485552	GNAS	NM_080425	13	13	12	68	192	8641	40,57	100
chr20	57485806	57485979	GNAS	NM_080425	13	13	13	147	770	33206	190,84	53,7
chr20	62037882	62038737	KCNQ2	NM_172107	17	17	17	732	375	17497	20,44	100
chr20	62039793	62039993	KCNQ2	NM_172107	17	17	16	124	53	2420	12,04	78,2
chr20	62044543	62044915	KCNQ2	NM_172107	17	17	15	132	325	13318	35,71	85,6
chr20	62045429	62045608	KCNQ2	NM_172107	17	17	14	106	45	2055	11,42	100
chr20	62046284	62046567	KCNQ2	NM_172107	17	17	13	224	255	11239	39,57	87,5
chr20	62050931	62051128	KCNQ2	NM_172107	17	17	12	54	33	1505	7,6	100
chr20	62059668	62059838	KCNQ2	NM_172107	17	17	10	69	87	3765	22,02	100
chr20	62062679	62062879	KCNQ2	NM_172107	17	17	9	30	49	1835	9,13	100
chr20	62065036	62065218	KCNQ2	NM_172107	17	17	8	95	91	3710	20,27	60
chr20	62069964	62070149	KCNQ2	NM_172107	17	17	7	96	398	18000	96,77	100
chr20	62070902	62071090	KCNQ2	NM_172107	17	17	6	111	151	6152	32,55	100
chr20	62073715	62073921	KCNQ2	NM_172107	17	17	5	126	307	13707	66,22	100
chr20	62076002	62076196	KCNQ2	NM_172107	17	17	4	176	24	1084	5,56	100
chr20	62076586	62076798	KCNQ2	NM_172107	17	17	3	127	70	3064	14,38	100
chr20	62078059	62078244	KCNQ2	NM_172107	17	17	2	91	105	4282	23,02	100
chr20	62103422	62103954	KCNQ2	NM_172107	17	17	1	296	12	588	1,1	100
chr21	38126413	38126684	HLCS	NM_001242784	12	9	12	172	378	17911	65,85	80,2
chr21	38128888	38129076	HLCS	NM_001242784	12	9	11	214	1087	47011	248,74	79
chr21	38131999	38132169	HLCS	NM_001242784	12	9	10	115	393	15623	91,36	100
chr21	38137226	38137432	HLCS	NM_001242784	12	9	9	161	1150	50940	246,09	74,5
chr21	38139392	38139583	HLCS	NM_001242784	12	9	8	68	486	20100	104,69	95,6
chr21	38269230	38269486	HLCS	NM_001242784	12	9	7	272	363	16428	63,92	74,3
chr21	38302586	38302765	HLCS	NM_001242784	12	9	6	183	442	19891	110,51	80,9
chr21	38308741	38309753	HLCS	NM_001242784	12	9	5	944	5249	250312	247,1	100
chr21	38311156	38311374	HLCS	NM_001242784	12	9	4	52	385	15828	72,27	53,8
chr21	38334302	38334496	HLCS	NM_001242784	12	9	2	135	256	11845	60,74	100
chr21	38338740	38338940	HLCS	NM_001242784	12	9	1	213	0	0	0	92,5
chr21	38845058	38845231	DYRK1A	NM_001396	11	11	2	197	801	33587	193,03	63,5
chr21	38850412	38850624	DYRK1A	NM_001396	11	11	3	120	438	19755	92,75	100
chr21	38852873	38853076	DYRK1A	NM_001396	11	11	4	189	232	10061	49,32	72,5
chr21	38858775	38858987	DYRK1A	NM_001396	11	11	5	148	268	12329	57,88	95,9
chr21	38862494	38862786	DYRK1A	NM_001396	11	11	6	287	476	21530	73,48	94,1
chr21	38865291	38865497	DYRK1A	NM_001396	11	11	7	147	623	27769	134,15	100
chr21	38868404	38868580	DYRK1A	NM_001396	11	11	8	141	132	5777	32,64	100
chr21	38877513	38877843	DYRK1A	NM_001396	11	11	9	307	1218	56881	171,85	84
chr21	38878448	38878728	DYRK1A	NM_001396	11	11	10	125	950	42829	152,42	63,2
chr21	38884130	38884967	DYRK1A	NM_001396	11	11	11	621	6180	300444	358,53	100
chr21	44473852	44474135	CBS	NM_000071	17	15	17	104	256	11413	40,19	100
chr21	44476914	44477126	CBS	NM_000071	17	15	16	85	89	4135	19,41	98,8
chr21	44478241	44478438	CBS	NM_000071	17	15	15	109	339	14615	73,81	100
chr21	44478901	44479122	CBS	NM_000071	17	15	14	135	132	5377	24,22	100
chr21	44479280	44479459	CBS	NM_000071	17	15	13	78	177	7827	43,48	100
chr21	44480449	44480628	CBS	NM_000071	17	15	12	106	62	2412	13,4	73,6
chr21	44482377	44482577	CBS	NM_000071	17	15	11	85	456	20281	100,9	100
chr21	44483079	44483300	CBS	NM_000071	17	15	10	126	531	22106	99,58	87,3
chr21	44484003	44484227	CBS	NM_000071	17	15	9	92	82	3819	16,97	100
chr21	44485223	44485761	CBS	NM_000071	17	15	8,7,6	70,135,80	723	34132	63,32	100,0,100,0,45,0
chr21	44486391	44486585	CBS	NM_000071	17	15	5	135	89	4102	21,04	71,9
chr21	44488643	44488822	CBS	NM_000071	17	15	4	107	67	2906	16,14	77,6
chr21	44492032	44492226	CBS	NM_000071	17	15	3	209	99	3730	19,13	63,2
chr21	47744061	47744246	PCNT	NM_006031	47	47	1	54	6	280	1,51	100
chr21	47746236	47746424	PCNT	NM_006031	47	47	2	213	92	3795	20,08	62,9
chr21	47754271	47754391	PCNT	NM_006031	47	47	3	372	31	1225	10,12	21,8
chr21	47754541	47754661	PCNT	NM_006031	47	47	3	372	200	5193	42,92	32,5
chr21	47765930	47766115	PCNT	NM_006031	47	47	4	81	873	36159	194,4	91,4

chr21	47766560	47766855	PCNT	NM_006031	47	47	5	256	248	9874	33,36	77,7
chr21	47767352	47767561	PCNT	NM_006031	47	47	6	56	200	8759	41,71	100
chr21	47768975	47769178	PCNT	NM_006031	47	47	7	175	181	8340	40,88	72
chr21	47769604	47769792	PCNT	NM_006031	47	47	8	137	207	9499	50,26	95,6
chr21	47771328	47771537	PCNT	NM_006031	47	47	9	112	169	7763	36,97	100
chr21	47772967	47773238	PCNT	NM_006031	47	47	10	223	673	28067	103,19	99,1
chr21	47773826	47773996	PCNT	NM_006031	47	47	11	82	75	3192	18,67	100
chr21	47775287	47775508	PCNT	NM_006031	47	47	12	175	322	13408	60,4	81,1
chr21	47776857	47777125	PCNT	NM_006031	47	47	13	218	394	17804	66,19	100
chr21	47783350	47783775	PCNT	NM_006031	47	47	14	455	671	31792	74,63	83,7
chr21	47786416	47787004	PCNT	NM_006031	47	47	15	556	816	37266	63,27	91
chr21	47801620	47801820	PCNT	NM_006031	47	47	16	147	483	21865	108,78	92,5
chr21	47805677	47805853	PCNT	NM_006031	47	47	17	152	285	12473	70,47	70,4
chr21	47808582	47808752	PCNT	NM_006031	47	47	18	143	93	4152	24,28	67,1
chr21	47809244	47809435	PCNT	NM_006031	47	47	19	233	187	7634	39,76	44,2
chr21	47810496	47810693	PCNT	NM_006031	47	47	20	163	258	10859	54,84	66,9
chr21	47811024	47811212	PCNT	NM_006031	47	47	21	213	76	3308	17,5	62,9
chr21	47817186	47817472	PCNT	NM_006031	47	47	22	230	1177	51241	178,54	97
chr21	47817944	47818203	PCNT	NM_006031	47	47	23,24	117,21	49	2237	8,6	86,3,100.0
chr21	47819506	47819697	PCNT	NM_006031	47	47	25	207	59	2540	13,23	92,8
chr21	47821398	47821574	PCNT	NM_006031	47	47	26	171	404	16642	94,02	64,3
chr21	47822235	47822405	PCNT	NM_006031	47	47	27	153	496	20165	117,92	100
chr21	47831036	47831956	PCNT	NM_006031	47	47	28	879	573	27185	29,52	97,2
chr21	47832701	47832892	PCNT	NM_006031	47	47	29	156	861	35574	185,28	91
chr21	47835942	47836684	PCNT	NM_006031	47	47	30	771	2111	100480	135,24	91,1
chr21	47838116	47838328	PCNT	NM_006031	47	47	31	103	255	10408	48,86	100
chr21	47841863	47842051	PCNT	NM_006031	47	47	32	155	144	6061	32,07	100
chr21	47845789	47845962	PCNT	NM_006031	47	47	33	141	531	22939	131,83	68,8
chr21	47847495	47847698	PCNT	NM_006031	47	47	34	174	188	8344	40,9	93,7
chr21	47848258	47848440	PCNT	NM_006031	47	47	35	196	108	4331	23,67	67,3
chr21	47849843	47850099	PCNT	NM_006031	47	47	36	223	416	19448	75,67	78,9
chr21	47850461	47850667	PCNT	NM_006031	47	47	37	151	201	8362	40,4	73,5
chr21	47851385	47852056	PCNT	NM_006031	47	47	38	687	951	38770	57,69	89,4
chr21	47855753	47856006	PCNT	NM_006031	47	47	39	245	179	8410	33,11	77,6
chr21	47856821	47856997	PCNT	NM_006031	47	47	40	103	149	5661	31,98	100
chr21	47858030	47858218	PCNT	NM_006031	47	47	41	174	167	7505	39,71	81,6
chr21	47860021	47860212	PCNT	NM_006031	47	47	42	120	358	14765	76,9	79,2
chr21	47860685	47860947	PCNT	NM_006031	47	47	43	230	181	7672	29,17	78,3
chr21	47862302	47862472	PCNT	NM_006031	47	47	44	77	411	17222	100,71	81,8
chr21	47863622	47863816	PCNT	NM_006031	47	47	45	139	115	5135	26,33	67,6
chr21	47864573	47864776	PCNT	NM_006031	47	47	46	128	468	20601	100,99	100
chr21	47865148	47865431	PCNT	NM_006031	47	47	47	44	999	45377	159,78	100
chr22	18560821	18561667	PEX26	NM_017929	6	5	2	230	1290	60812	71,8	100
chr22	18562684	18562866	PEX26	NM_017929	6	5	3	141	142	6446	35,22	68,8
chr22	18566110	18566470	PEX26	NM_017929	6	5	4	296	317	14439	40	90,5
chr22	18567880	18568071	PEX26	NM_017929	6	5	5	147	996	41722	217,3	98,6
chr22	18570630	18571082	PEX26	NM_017929	6	5	6	104	2067	94971	209,65	100
chr22	18900572	18901086	PRODH	NM_016335	15	14	15,14	188,89	278	12410	24,1	100,0,100.0
chr22	18905833	18905953	PRODH	NM_016335	15	14	12	176	7	182	1,5	68,8
chr22	18907074	18907422	PRODH	NM_016335	15	14	11,10	147,93	213	9653	27,66	25,2,100.0
chr22	18908837	18909040	PRODH	NM_016335	15	14	9	82	22	802	3,93	100
chr22	18909893	18910013	PRODH	NM_016335	15	14	8	80	1314	51447	425,18	31,2
chr22	18910351	18910862	PRODH	NM_016335	15	14	7,6	117,65	431	20428	39,9	82,1,100.0
chr22	18912538	18912738	PRODH	NM_016335	15	14	5	150	238	10433	51,91	100
chr22	18913120	18913314	PRODH	NM_016335	15	14	4	35	83	3310	16,97	100
chr22	18918581	18918751	PRODH	NM_016335	15	14	3	209	509	19567	114,43	62,7
chr22	18923480	18923843	PRODH	NM_016335	15	14	2	273	1	25	0,07	100

chr22	21213333	21213708	SNAP29	NM_004782	5	5	1	237	189	8544	22,72	100
chr22	21224655	21224861	SNAP29	NM_004782	5	5	2	197	1080	42834	206,93	84,8
chr22	21235204	21235431	SNAP29	NM_004782	5	5	3	86	311	12929	56,71	100
chr22	21237638	21237835	SNAP29	NM_004782	5	5	4	99	1652	69579	351,41	77,8
chr22	21241929	21242188	SNAP29	NM_004782	5	5	5	158	966	42396	163,06	100
chr22	24129203	24129474	SMARCB1	NM_003073	9	9	1	93	39	1667	6,13	100
chr22	24133959	24134168	SMARCB1	NM_003073	9	9	2	139	255	11207	53,37	88,5
chr22	24135716	24135901	SMARCB1	NM_003073	9	9	3	130	741	33270	178,87	100
chr22	24143061	24143522	SMARCB1	NM_003073	9	9	4	138	4575	220651	477,6	100
chr22	24145397	24145576	SMARCB1	NM_003073	9	9	5	128	462	20126	111,81	74,2
chr22	24158894	24159067	SMARCB1	NM_003073	9	9	6	167	970	41461	238,28	66,5
chr22	24167376	24167561	SMARCB1	NM_003073	9	9	7	191	685	28605	153,79	78,5
chr22	24175688	24175894	SMARCB1	NM_003073	9	9	8	132	616	27801	134,3	100
chr22	24176359	24176784	SMARCB1	NM_003073	9	9	9	40	195	8424	19,77	22,5
chr22	24891237	24891523	UPB1	NM_016327	10	10	1	104	161	6199	21,6	100
chr22	24895985	24896188	UPB1	NM_016327	10	10	2	172	761	32319	158,43	66,3
chr22	24898030	24898627	UPB1	NM_016327	10	10	3	88	4062	198905	332,62	100
chr22	24906645	24906827	UPB1	NM_016327	10	10	4	95	528	22661	123,83	100
chr22	24909212	24909397	UPB1	NM_016327	10	10	5	162	440	19079	102,58	65,4
chr22	24911081	24911281	UPB1	NM_016327	10	10	6	170	309	13342	66,38	66,5
chr22	24916280	24916450	UPB1	NM_016327	10	10	7	82	339	14863	86,92	100
chr22	24917829	24918014	UPB1	NM_016327	10	10	8	43	486	19406	104,33	100
chr22	24919506	24919691	UPB1	NM_016327	10	10	9	155	488	21017	112,99	67,7
chr22	24921618	24921901	UPB1	NM_016327	10	10	10	84	598	27612	97,23	100
chr22	33670375	33670554	LARGE	NM_133642	15	14	15	198	748	31619	175,66	71,7
chr22	33672980	33673168	LARGE	NM_133642	15	14	14	196	2295	101160	535,24	62,8
chr22	33679223	33679405	LARGE	NM_133642	15	14	13	147	301	12853	70,23	76,2
chr22	33700168	33700433	LARGE	NM_133642	15	14	12	279	786	35159	132,18	78,5
chr22	33712124	33712303	LARGE	NM_133642	15	14	11	164	115	5075	28,19	67,7
chr22	33733621	33733806	LARGE	NM_133642	15	14	10	156	548	24035	129,22	100
chr22	33777942	33778121	LARGE	NM_133642	15	14	9	126	548	22422	124,57	70,6
chr22	33780208	33780393	LARGE	NM_133642	15	14	8	113	209	9323	50,12	73,5
chr22	33828170	33828364	LARGE	NM_133642	15	14	7	105	317	13872	71,14	78,1
chr22	33960864	33961061	LARGE	NM_133642	15	14	6	172	495	21775	109,97	82,6
chr22	34000415	34000624	LARGE	NM_133642	15	14	5	124	207	9542	45,44	100
chr22	34022099	34022323	LARGE	NM_133642	15	14	4	83	972	43340	192,62	100
chr22	34046374	34046740	LARGE	NM_133642	15	14	3	302	423	16738	45,61	93
chr22	34157275	34157490	LARGE	NM_133642	15	14	2	106	359	15359	71,11	100
chr22	36960262	36960945	CACNG2	NM_006078	4	4	4	536	452	20448	29,89	100
chr22	36962381	36962554	CACNG2	NM_006078	4	4	3	141	199	8470	48,68	100
chr22	36983468	36983638	CACNG2	NM_006078	4	4	2	84	293	12685	74,18	100
chr22	37098316	37098700	CACNG2	NM_006078	4	4	1	211	1268	60684	157,62	100
chr22	38369426	38370156	SOX10	NM_006941	4	3	4	704	989	45150	61,76	93
chr22	38373918	38374192	SOX10	NM_006941	4	3	3	269	68	2837	10,32	83,6
chr22	38379429	38379869	SOX10	NM_006941	4	3	2	428	115	5219	11,83	84,8
chr22	40742556	40742726	ADSL	NM_000026	13	13	1	153	70	3289	19,23	100
chr22	40745792	40745968	ADSL	NM_000026	13	13	2	204	77	3349	18,92	65,2
chr22	40748953	40749171	ADSL	NM_000026	13	13	3	45	229	9207	42,04	100
chr22	40750176	40750400	ADSL	NM_000026	13	13	4	80	411	18422	81,88	100
chr22	40754793	40754981	ADSL	NM_000026	13	13	5	172	667	29188	154,43	66,3
chr22	40755210	40755404	ADSL	NM_000026	13	13	6	47	366	16093	82,53	100
chr22	40756320	40756505	ADSL	NM_000026	13	13	7	91	399	17394	93,52	100
chr22	40757326	40757742	ADSL	NM_000026	13	13	8,9	70.148	2157	100722	241,54	30,0,100,0
chr22	40758881	40759069	ADSL	NM_000026	13	13	10	91	359	15185	80,34	93,4
chr22	40760164	40760349	ADSL	NM_000026	13	13	11	90	360	15440	83,01	77,8
chr22	40760808	40761011	ADSL	NM_000026	13	13	12	177	714	30505	149,53	72,3
chr22	40762401	40762675	ADSL	NM_000026	13	13	13	87	260	11978	43,56	100

chr22	41488901	41489181	EP300	NM_001429	31	31	1	94	173	7788	27,72	100
chr22	41513110	41513772	EP300	NM_001429	31	31	2	635	1929	91466	137,96	91,7
chr22	41521828	41522013	EP300	NM_001429	31	31	3	177	394	16705	89,81	82,5
chr22	41523406	41523713	EP300	NM_001429	31	31	4	262	679	30508	99,05	85,1
chr22	41525859	41526065	EP300	NM_001429	31	31	5	114	392	16943	81,85	100
chr22	41527326	41527591	EP300	NM_001429	31	31	6	246	359	16471	61,92	81,3
chr22	41531772	41531960	EP300	NM_001429	31	31	7	94	223	8615	45,58	100
chr22	41533691	41533882	EP300	NM_001429	31	31	8	138	297	13012	67,77	75,4
chr22	41536090	41536293	EP300	NM_001429	31	31	9	118	802	35567	174,35	100
chr22	41537056	41537277	EP300	NM_001429	31	31	10	175	364	16121	72,62	97,7
chr22	41542654	41542845	EP300	NM_001429	31	31	11	78	174	8005	41,69	100
chr22	41543780	41544010	EP300	NM_001429	31	31	12	110	1596	70045	303,23	100
chr22	41545019	41545225	EP300	NM_001429	31	31	13	138	118	4982	24,07	100
chr22	41545706	41546140	EP300	NM_001429	31	31	14	438	2416	111675	256,72	85,8
chr22	41547874	41548095	EP300	NM_001429	31	31	15	180	492	21754	97,99	79,4
chr22	41548130	41548321	EP300	NM_001429	31	31	16	145	151	5904	30,75	77,2
chr22	41550966	41551163	EP300	NM_001429	31	31	17	119	791	33434	168,86	100
chr22	41553131	41553390	EP300	NM_001429	31	31	18	240	385	17472	67,2	90,8
chr22	41554308	41554508	EP300	NM_001429	31	31	19	89	1062	46902	233,34	100
chr22	41556645	41556833	EP300	NM_001429	31	31	20	81	255	10483	55,47	100
chr22	41558699	41558884	EP300	NM_001429	31	31	21	57	377	14311	76,94	100
chr22	41559989	41560195	EP300	NM_001429	31	31	22	78	555	23730	114,64	100
chr22	41562545	41562721	EP300	NM_001429	31	31	23	68	72	2426	13,71	100
chr22	41564396	41564830	EP300	NM_001429	31	31	24,25	151.147	2336	112397	258,38	100.0,72.1
chr22	41565397	41565597	EP300	NM_001429	31	31	26	114	132	5078	25,26	79,8
chr22	41566368	41566571	EP300	NM_001429	31	31	27	166	762	33425	163,85	97,6
chr22	41568508	41568711	EP300	NM_001429	31	31	28	165	251	11247	55,13	97
chr22	41569589	41569762	EP300	NM_001429	31	31	29	162	363	14890	85,57	84
chr22	41572200	41572456	EP300	NM_001429	31	31	30	282	1103	50718	197,35	73
chr22	41572761	41575032	EP300	NM_001429	31	31	31	2184	8405	406390	178,87	100
chr22	41865133	41865315	ACO2	NM_001098	18	18	1	36	29	1101	6,02	100
chr22	41895770	41895955	ACO2	NM_001098	18	18	2	137	727	28953	155,66	70,8
chr22	41903855	41904111	ACO2	NM_001098	18	18	3	259	187	8021	31,21	76,8
chr22	41907900	41908079	ACO2	NM_001098	18	18	4	93	70	2794	15,52	78,5
chr22	41911434	41911628	ACO2	NM_001098	18	18	5	159	40	1681	8,62	66,7
chr22	41911897	41912094	ACO2	NM_001098	18	18	6	151	393	16557	83,62	16,6
chr22	41913557	41913751	ACO2	NM_001098	18	18	7	105	300	12748	65,37	75,2
chr22	41916279	41916399	ACO2	NM_001098	18	18	9	106	90	3840	31,74	1,9
chr22	41918887	41919072	ACO2	NM_001098	18	18	10	158	347	15372	82,65	66,5
chr22	41919220	41919402	ACO2	NM_001098	18	18	11	74	192	7247	39,6	85,1
chr22	41919864	41920046	ACO2	NM_001098	18	18	12	112	174	7731	42,25	73,2
chr22	41920882	41921073	ACO2	NM_001098	18	18	13	123	996	40214	209,45	74
chr22	41921329	41921449	ACO2	NM_001098	18	18	14	156	28	916	7,57	15,4
chr22	41922202	41922568	ACO2	NM_001098	18	18	15	192	698	33006	89,93	100
chr22	41923168	41923522	ACO2	NM_001098	18	18	16	133	323	14671	41,33	100
chr22	41923746	41924109	ACO2	NM_001098	18	18	17	122	828	39425	108,31	100
chr22	41924534	41924719	ACO2	NM_001098	18	18	18	135	420	15177	81,6	62,2
chr22	42456233	42456415	NAGA	NM_000262	9	9	9	135	499	19727	107,8	98,5
chr22	42456911	42457093	NAGA	NM_000262	9	9	8	144	422	17840	97,49	100
chr22	42458781	42458954	NAGA	NM_000262	9	9	7	198	486	20914	120,2	62,6
chr22	42461782	42461967	NAGA	NM_000262	9	9	6	162	235	9981	53,66	75,3
chr22	42462729	42462917	NAGA	NM_000262	9	9	5	95	175	6851	36,25	84,2
chr22	42463156	42463362	NAGA	NM_000262	9	9	4	178	486	21027	101,58	78,1
chr22	42463766	42463948	NAGA	NM_000262	9	9	3	172	1202	50007	273,26	100
chr22	42464356	42464550	NAGA	NM_000262	9	9	2	136	356	14614	74,94	79,4
chr22	42466198	42466472	NAGA	NM_000262	9	9	1	16	1198	54861	199,49	100
chr22	43015700	43015900	CYB5R3	NM_001171660	9	9	9	173	49	2015	10,02	70,5

chr22	43019786	43019959	CYB5R3	NM_001171660	9	9	8	100	384	17884	102,78	100
chr22	43023204	43023392	CYB5R3	NM_001171660	9	9	7	86	303	13019	68,88	96,5
chr22	43023555	43023743	CYB5R3	NM_001171660	9	9	6	84	571	24785	131,14	100
chr22	43024125	43024316	CYB5R3	NM_001171660	9	9	5	130	626	25780	134,27	100
chr22	43026852	43027037	CYB5R3	NM_001171660	9	9	4	107	231	10230	55	100
chr22	43027274	43027486	CYB5R3	NM_001171660	9	9	3	73	56	2300	10,8	100
chr22	43032743	43032928	CYB5R3	NM_001171660	9	9	2	132	383	17157	92,24	83,3
chr22	43040400	43040591	CYB5R3	NM_001171660	9	9	1	120	1198	52102	271,36	96,7
chr22	50296884	50298207	ALG12	NM_024105	10	9	10,9,8	229,76,170	1117	50726	38,31	100,0,100,0,100,0
chr22	50301268	50301545	ALG12	NM_024105	10	9	7	224	551	26238	94,38	79
chr22	50302903	50303109	ALG12	NM_024105	10	9	6	104	493	21018	101,54	89,4
chr22	50303469	50303693	ALG12	NM_024105	10	9	5	195	364	16134	71,71	77,9
chr22	50304143	50304313	ALG12	NM_024105	10	9	4	174	139	5696	33,31	64,9
chr22	50307045	50307512	ALG12	NM_024105	10	9	3,2	133.162	1228	55180	117,91	91,0,100,0
chr22	50961949	50963041	SCO2	NM_001169111	2	1	2	801	1661	75456	69,04	100
chr22	51007691	51008051	CHKB-CPT1B	NR_027928	30	0	29,28	255,93	1001	44581	123,49	62,7,50,5
chr22	51008750	51008938	CHKB-CPT1B	NR_027928	30	0	27	114	290	12370	65,45	75,4
chr22	51009249	51009926	CHKB-CPT1B	NR_027928	30	0	26,25,24	153.130.165	1221	58227	85,88	100,0,100,0,74,5
chr22	51010456	51010828	CHKB-CPT1B	NR_027928	30	0	23,22	117.106	768	35775	95,91	82,1,100,0
chr22	51011224	51011424	CHKB-CPT1B	NR_027928	30	0	21	186	169	7402	36,83	65,1
chr22	51011988	51012428	CHKB-CPT1B	NR_027928	30	0	20	196	731	34539	78,32	80,1
chr22	51012759	51013045	CHKB-CPT1B	NR_027928	30	0	19,18	85.108	1838	86492	301,37	100,0,100,0
chr22	51014451	51014829	CHKB-CPT1B	NR_027928	30	0	17,16	78.138	2095	97286	256,69	100,0,100,0
chr22	51014855	51015067	CHKB-CPT1B	NR_027928	30	0	15	102	749	31250	146,71	100
chr22	51015226	51015414	CHKB-CPT1B	NR_027928	30	0	14	178	714	31708	167,77	72,5
chr22	51015722	51015910	CHKB-CPT1B	NR_027928	30	0	13	140	463	20612	109,06	100
chr22	51016137	51016402	CHKB-CPT1B	NR_027928	30	0	12	160	227	10125	38,06	100
chr22	51017490	51017939	CHKB-CPT1B	NR_027928	30	0	11,10	220,82	1193	56145	124,77	88,6,100,0
chr22	51018207	51019127	CHKB-CPT1B	NR_027928	30	0	9,8,7,6,5	104,109,82,59,96	2443	115676	125,6	51,0,100,0,100,0,100,0,100,0
chr22	51019827	51020000	CHKB-CPT1B	NR_027928	30	0	4	134	653	28120	161,61	100
chr22	51020209	51020394	CHKB-CPT1B	NR_027928	30	0	3	114	180	7470	40,16	72,8
chr22	51020719	51021236	CHKB-CPT1B	NR_027928	30	0	2,1	109.442	46	2141	4,13	62,4,56,6
chrX	5810807	5811007	NLGN4X	NM_020742	6	5	6	850	606	25556	127,14	17,6
chrX	5821143	5821263	NLGN4X	NM_020742	6	5	5	790	225	9017	74,52	15,3
chrX	5821724	5821857	NLGN4X	NM_020742	6	5	5	790	161	5450	40,67	17
chrX	5821887	5822007	NLGN4X	NM_020742	6	5	5	790	251	9098	75,19	2,7
chrX	5827242	5827362	NLGN4X	NM_020742	6	5	4	186	154	5839	48,26	21
chrX	5947365	5947568	NLGN4X	NM_020742	6	5	3	153	65	2989	14,65	71,2
chrX	6069111	6069622	NLGN4X	NM_020742	6	5	2	472	2512	119699	233,79	84,1
chrX	10417371	10417731	MID1	NM_001193277	10	9	10	349	633	29056	80,49	92,8
chrX	10422949	10423140	MID1	NM_001193277	10	9	9	208	2133	92461	481,57	81,2
chrX	10427741	10427932	MID1	NM_001193277	10	9	8	162	363	15233	79,34	66
chrX	10437491	10437866	MID1	NM_001193277	10	9	7	144	770	36264	96,45	90,3
chrX	10442583	10443177	MID1	NM_001193277	10	9	6	128	1303	59105	99,34	100
chrX	10450559	10450768	MID1	NM_001193277	10	9	5	149	825	36542	174,01	73,8
chrX	10463583	10463774	MID1	NM_001193277	10	9	4	108	1255	55657	289,88	100
chrX	10491058	10491237	MID1	NM_001193277	10	9	3	96	410	17613	97,85	100
chrX	10534835	10535610	MID1	NM_001193277	10	9	2	660	4498	217191	279,89	100
chrX	11130041	11130235	HCCS	NM_005333	7	6	2	100	103	4476	22,95	55
chrX	11132858	11133058	HCCS	NM_005333	7	6	3	152	324	13741	68,36	68,4
chrX	11135357	11135557	HCCS	NM_005333	7	6	4	149	575	25168	125,21	100
chrX	11136610	11136804	HCCS	NM_005333	7	6	5	120	299	13147	67,42	100
chrX	11138984	11139196	HCCS	NM_005333	7	6	6	87	1135	48264	226,59	100
chrX	11139654	11140008	HCCS	NM_005333	7	6	7	199	510	22579	63,6	100
chrX	13753140	13753390	OFD1	NM_003611	23	23	1,2	12,99	476	21353	85,07	100,0,24,2
chrX	13754641	13754871	OFD1	NM_003611	23	23	3	201	630	23345	101,06	78,1
chrX	13756996	13757199	OFD1	NM_003611	23	23	4,5	69,31	85	3250	15,93	55,1,100,0

chrX	13762560	13762757	OFD1	NM_003611	23	23	6	105	369	16035	80,98	75,2
chrX	13764480	13764677	OFD1	NM_003611	23	23	7	137	430	18236	92,1	69,3
chrX	13764930	13765100	OFD1	NM_003611	23	23	8	174	186	7282	42,58	82,2
chrX	13769402	13769578	OFD1	NM_003611	23	23	10	120	136	5847	33,03	71,7
chrX	13771520	13771690	OFD1	NM_003611	23	23	11	74	233	7796	45,59	55,4
chrX	13773331	13773451	OFD1	NM_003611	23	23	12	92	62	2288	18,91	33,7
chrX	13774846	13774966	OFD1	NM_003611	23	23	13	190	250	8447	69,81	21,6
chrX	13775788	13775970	OFD1	NM_003611	23	23	14	131	143	6087	33,26	93,1
chrX	13776363	13776536	OFD1	NM_003611	23	23	15	112	238	10198	58,61	72,3
chrX	13778191	13778557	OFD1	NM_003611	23	23	16	606	797	36797	100,26	53,5
chrX	13778671	13778791	OFD1	NM_003611	23	23	16	606	321	9447	78,07	20
chrX	13779235	13779426	OFD1	NM_003611	23	23	17	127	457	17932	93,4	75,6
chrX	13780487	13780657	OFD1	NM_003611	23	23	18	101	131	5549	32,45	76,2
chrX	13781878	13782078	OFD1	NM_003611	23	23	19	111	292	12707	63,22	87,4
chrX	13785379	13785499	OFD1	NM_003611	23	23	20	158	102	4344	35,9	15,8
chrX	13786232	13786405	OFD1	NM_003611	23	23	21	171	239	9783	56,22	65,5
chrX	13786710	13786907	OFD1	NM_003611	23	23	22	68	183	7340	37,07	100
chrX	15845275	15845564	AP1S2	NM_003916	5	4	5	48	784	36274	125,08	100
chrX	15863545	15863745	AP1S2	NM_003916	5	4	4	138	921	38608	192,08	68,8
chrX	15864054	15864227	AP1S2	NM_003916	5	4	3	109	566	23958	137,69	74,3
chrX	15870532	15870732	AP1S2	NM_003916	5	4	2	179	372	14140	70,35	64,8
chrX	15872836	15873027	AP1S2	NM_003916	5	4	1	327	7	336	1,75	58,7
chrX	17393821	17394433	NHS	NM_198270	8	8	1	565	37	1527	2,49	97,9
chrX	17705769	17705951	NHS	NM_198270	8	8	2	153	1297	53488	292,28	58,8
chrX	17710355	17710549	NHS	NM_198270	8	8	3	134	89	3859	19,79	70,9
chrX	17739619	17739807	NHS	NM_198270	8	8	4	193	225	10031	53,07	69,9
chrX	17742342	17742569	NHS	NM_198270	8	8	5	132	316	13748	60,3	100
chrX	17743529	17746514	NHS	NM_198270	8	8	6	2982	12540	606970	203,27	97,9
chrX	17746686	17746859	NHS	NM_198270	8	8	7	127	144	6357	36,53	71,7
chrX	17749984	17750679	NHS	NM_198270	8	8	8	607	2688	128698	184,91	99
chrX	18525067	18525344	CDKLS	NM_003159	21	20	2	64	813	36836	132,5	100
chrX	18528796	18528984	CDKLS	NM_003159	21	20	3	35	417	17896	94,69	100
chrX	18582468	18582644	CDKLS	NM_003159	21	20	4	46	170	7950	44,92	100
chrX	18593453	18593632	CDKLS	NM_003159	21	20	5	137	200	8533	47,41	100
chrX	18597921	18598112	CDKLS	NM_003159	21	20	6	121	418	17568	91,5	100
chrX	18599946	18600137	CDKLS	NM_003159	21	20	7	60	256	10581	55,11	100
chrX	18602342	18602560	CDKLS	NM_003159	21	20	8	91	192	8466	38,66	100
chrX	18606125	18606343	CDKLS	NM_003159	21	20	9	190	687	30212	137,95	73,2
chrX	18613332	18613541	CDKLS	NM_003159	21	20	10	81	340	15053	71,68	91,4
chrX	18616557	18616754	CDKLS	NM_003159	21	20	11	152	438	18694	94,41	100
chrX	18621959	18622932	CDKLS	NM_003159	21	20	12	967	4777	225038	231,05	94,2
chrX	18626869	18627096	CDKLS	NM_003159	21	20	13	102	641	28050	123,03	100
chrX	18627492	18627674	CDKLS	NM_003159	21	20	14	106	72	3154	17,23	84,9
chrX	18631239	18631430	CDKLS	NM_003159	21	20	15	124	901	41460	215,94	100
chrX	18637876	18638091	CDKLS	NM_003159	21	20	16	100	91	4044	18,72	100
chrX	18643141	18643332	CDKLS	NM_003159	21	20	17	120	361	15890	82,76	70,8
chrX	18646425	18646696	CDKLS	NM_003159	21	20	18	217	374	17575	64,61	94,9
chrX	18664044	18664223	CDKLS	NM_003159	21	20	19	84	1386	60447	335,82	100
chrX	18668517	18668723	CDKLS	NM_003159	21	20	20	183	848	38291	184,98	100
chrX	18671621	18671794	CDKLS	NM_003159	21	20	21	113	482	21111	121,33	38,9
chrX	19362008	19362208	PDHA1	NM_001173454	12	12	1	57	77	3284	16,34	93
chrX	19364658	19364828	PDHA1	NM_001173454	12	12	2	114	304	13085	76,52	73,7
chrX	19367356	19367547	PDHA1	NM_001173454	12	12	3	60	169	6827	35,56	100
chrX	19368095	19368301	PDHA1	NM_001173454	12	12	4	174	491	21832	105,47	77
chrX	19369427	19369603	PDHA1	NM_001173454	12	12	5	127	763	34332	193,97	78
chrX	19371145	19371425	PDHA1	NM_001173454	12	12	6	92	894	41549	147,86	100
chrX	19372545	19372742	PDHA1	NM_001173454	12	12	7	93	673	29649	149,74	100

chrX	19373498	19373959	PDHA1	NM_001173454	12	12	8,9	156,72	1133	52109	112,79	80.1,100.0
chrX	19375778	19375978	PDHA1	NM_001173454	12	12	10	68	267	11866	59,03	88,2
chrX	19377047	19377244	PDHA1	NM_001173454	12	12	11	109	861	36473	184,21	88,1
chrX	19377648	19377836	PDHA1	NM_001173454	12	12	12	165	291	12583	66,58	75,2
chrX	20173386	20173654	RPS6KA3	NM_004586	22	22	22	123	831	36430	135,43	100
chrX	20174226	20174423	RPS6KA3	NM_004586	22	22	21	141	455	20262	102,33	100
chrX	20179702	20179887	RPS6KA3	NM_004586	22	22	20	118	401	16064	86,37	100
chrX	20180995	20181174	RPS6KA3	NM_004586	22	22	19	77	316	13984	77,69	100
chrX	20182976	20183167	RPS6KA3	NM_004586	22	22	18	162	320	14005	72,94	93,2
chrX	20185658	20185849	RPS6KA3	NM_004586	22	22	17	159	506	20699	107,81	89,9
chrX	20187477	20187689	RPS6KA3	NM_004586	22	22	16	90	169	7141	33,53	100
chrX	20190862	20191041	RPS6KA3	NM_004586	22	22	15	126	387	17118	95,1	100
chrX	20193258	20193440	RPS6KA3	NM_004586	22	22	14	125	502	22623	123,62	100
chrX	20194351	20194637	RPS6KA3	NM_004586	22	22	13,12	103,65	180	7712	26,87	100,0,100.0
chrX	20194982	20195203	RPS6KA3	NM_004586	22	22	11	89	418	17582	79,2	100
chrX	20204336	20204548	RPS6KA3	NM_004586	22	22	10	71	37	1655	7,77	100
chrX	20205919	20206101	RPS6KA3	NM_004586	22	22	9	143	916	39456	215,61	100
chrX	20206461	20206658	RPS6KA3	NM_004586	22	22	8	88	111	4277	21,6	100
chrX	20211482	20211703	RPS6KA3	NM_004586	22	22	7	107	165	7377	33,23	92,5
chrX	20212225	20212422	RPS6KA3	NM_004586	22	22	6	80	187	7850	39,65	100
chrX	20213104	20213280	RPS6KA3	NM_004586	22	22	5	81	595	24345	137,54	100
chrX	20222050	20222238	RPS6KA3	NM_004586	22	22	4	82	227	9711	51,38	100
chrX	20227384	20227587	RPS6KA3	NM_004586	22	22	3	117	216	9208	45,14	100
chrX	20252860	20253066	RPS6KA3	NM_004586	22	22	2	57	121	4541	21,94	100
chrX	20284633	20284803	RPS6KA3	NM_004586	22	22	1	69	0	0	0	100
chrX	21958952	21959546	SMS	NM_004595	11	11	1	49	11	462	0,78	81,6
chrX	21985410	21985530	SMS	NM_004595	11	11	2	121	131	4091	33,81	20,7
chrX	21990086	21990206	SMS	NM_004595	11	11	3	94	33	1348	11,14	24,5
chrX	21995318	21995438	SMS	NM_004595	11	11	5	176	264	10325	85,33	21
chrX	21996209	21996329	SMS	NM_004595	11	11	6	155	524	19304	159,54	15,5
chrX	21997070	21997190	SMS	NM_004595	11	11	7	90	129	4893	40,44	16,7
chrX	22002512	22002632	SMS	NM_004595	11	11	8	115	290	11219	92,72	21,7
chrX	22003335	22003455	SMS	NM_004595	11	11	9	80	51	2110	17,44	8,8
chrX	22010797	22010917	SMS	NM_004595	11	11	10	116	30	1087	8,98	29,3
chrX	23352933	23353349	PTCHD1	NM_173495	3	3	1	351	1680	74091	177,68	100
chrX	23397678	23398468	PTCHD1	NM_173495	3	3	2	661	3234	155629	196,75	100
chrX	23410672	23412392	PTCHD1	NM_173495	3	3	3	1655	9579	467613	271,71	98,5
chrX	25022693	25022976	ARX	NM_139058	5	5	5	241	46	1838	6,47	78,8
chrX	25025136	25025502	ARX	NM_139058	5	5	4	329	323	14218	38,74	83,6
chrX	25028341	25028514	ARX	NM_139058	5	5	3	46	575	23754	136,52	100
chrX	25030995	25031918	ARX	NM_139058	5	5	2	877	244	10802	11,69	100
chrX	25033595	25033875	ARX	NM_139058	5	5	1	196	378	16849	59,96	100
chrX	28807417	28807614	IL1RAPL1	NM_014271	11	10	2	82	422	17908	90,44	100
chrX	29301003	29301259	IL1RAPL1	NM_014271	11	10	3	280	740	33761	131,37	73,2
chrX	29414337	29414534	IL1RAPL1	NM_014271	11	10	4	187	292	12917	65,24	85,6
chrX	29417251	29417442	IL1RAPL1	NM_014271	11	10	5	154	269	12443	64,81	100
chrX	29686498	29686683	IL1RAPL1	NM_014271	11	10	6	75	757	32727	175,95	100
chrX	29935516	29935704	IL1RAPL1	NM_014271	11	10	7	133	100	4012	21,23	93,2
chrX	29938023	29938208	IL1RAPL1	NM_014271	11	10	8	146	354	14935	80,3	97,9
chrX	29959745	29959936	IL1RAPL1	NM_014271	11	10	9	144	131	5807	30,24	100
chrX	29972608	29972790	IL1RAPL1	NM_014271	11	10	10	171	374	15187	82,99	88,9
chrX	29973145	29973991	IL1RAPL1	NM_014271	11	10	11	719	4327	208205	245,81	100
chrX	30683689	30683809	GK	NM_001205019	21	21	2	74	217	8064	66,64	17,6
chrX	30686233	30686353	GK	NM_001205019	21	21	3	107	15	531	4,39	2,8
chrX	30695534	30695654	GK	NM_001205019	21	21	4	78	173	7086	58,56	46,2
chrX	30712625	30712745	GK	NM_001205019	21	21	6	138	242	8892	73,49	21,7
chrX	30714244	30714364	GK	NM_001205019	21	21	7	110	48	1630	13,47	22,7

chrX	30714768	30714980	GK	NM_001205019	21	21	8	67	29	1008	4,73	49,3
chrX	30715760	30715954	GK	NM_001205019	21	21	9	18	555	24447	125,37	100
chrX	30718391	30718600	GK	NM_001205019	21	21	10	36	278	11584	55,16	100
chrX	30719022	30719142	GK	NM_001205019	21	21	11	68	28	957	7,91	1,5
chrX	30725668	30725868	GK	NM_001205019	21	21	12	43	155	5406	26,9	100
chrX	30736718	30736838	GK	NM_001205019	21	21	14	79	45	1370	11,32	20,3
chrX	30737614	30737734	GK	NM_001205019	21	21	15	97	61	2515	20,79	19,6
chrX	30738197	30738317	GK	NM_001205019	21	21	16	85	86	3127	25,84	18,8
chrX	30738846	30738966	GK	NM_001205019	21	21	17	121	537	20251	167,36	10,7
chrX	30739036	30739212	GK	NM_001205019	21	21	18	144	356	12849	72,59	53,5
chrX	30745653	30745773	GK	NM_001205019	21	21	20	87	250	9327	77,08	19,5
chrX	31139822	31140099	DMD	NM_004006	79	79	79	12	467	21017	75,6	100
chrX	31144673	31144855	DMD	NM_004006	79	79	78	32	199	8990	49,13	100
chrX	31152131	31152349	DMD	NM_004006	79	79	77	93	413	17422	79,55	100
chrX	31164366	31164581	DMD	NM_004006	79	79	76	124	124	5321	24,63	100
chrX	31165331	31165638	DMD	NM_004006	79	79	75	244	798	36514	118,55	100
chrX	31187469	31187663	DMD	NM_004006	79	79	74	159	582	22271	114,21	65,4
chrX	31190367	31190570	DMD	NM_004006	79	79	73	66	554	23865	116,99	100
chrX	31191591	31191776	DMD	NM_004006	79	79	72	66	330	14980	80,54	100
chrX	31195952	31196170	DMD	NM_004006	79	79	71	39	144	6472	29,55	100
chrX	31196827	31197024	DMD	NM_004006	79	79	70	137	359	15409	77,82	70,1
chrX	31198403	31198612	DMD	NM_004006	79	79	69	112	216	8829	42,04	100
chrX	31200816	31201019	DMD	NM_004006	79	79	68	167	513	22186	108,75	98,8
chrX	31222044	31222268	DMD	NM_004006	79	79	67	158	187	8066	35,85	100
chrX	31224671	31224865	DMD	NM_004006	79	79	66	86	415	17176	88,08	100
chrX	31227675	31227872	DMD	NM_004006	79	79	65	202	619	28388	143,37	70,3
chrX	31241100	31241294	DMD	NM_004006	79	79	64	75	552	24168	123,94	100
chrX	31278984	31279172	DMD	NM_004006	79	79	63	62	599	24826	131,35	100
chrX	31341677	31341877	DMD	NM_004006	79	79	62	61	118	5360	26,67	100
chrX	31366611	31366820	DMD	NM_004006	79	79	61	79	190	7860	37,43	100
chrX	31462642	31462830	DMD	NM_004006	79	79	60	147	969	41587	220,04	70,1
chrX	31496291	31496559	DMD	NM_004006	79	79	59	269	555	26230	97,51	74,7
chrX	31497056	31497247	DMD	NM_004006	79	79	58	121	312	14088	73,38	100
chrX	31514831	31515010	DMD	NM_004006	79	79	57	157	653	25475	141,53	67,5
chrX	31525398	31525619	DMD	NM_004006	79	79	56	173	235	10207	45,98	100
chrX	31645838	31646050	DMD	NM_004006	79	79	55	190	350	15457	72,57	74,7
chrX	31676107	31676313	DMD	NM_004006	79	79	54	155	196	7961	38,46	100
chrX	31697461	31697679	DMD	NM_004006	79	79	53	212	681	30004	137	88,7
chrX	31747733	31747933	DMD	NM_004006	79	79	52	118	432	18950	94,28	100
chrX	31792052	31792335	DMD	NM_004006	79	79	51	233	1296	57764	203,39	100
chrX	31838042	31838248	DMD	NM_004006	79	79	50	109	526	22358	108,01	100
chrX	31854740	31854970	DMD	NM_004006	79	79	49	105	473	19865	86	100
chrX	31893297	31893497	DMD	NM_004006	79	79	48	183	105	4554	22,66	100
chrX	31947708	31947923	DMD	NM_004006	79	79	47	150	353	14437	66,84	100
chrX	31950167	31950355	DMD	NM_004006	79	79	46	148	350	15345	81,19	100
chrX	31986500	31986703	DMD	NM_004006	79	79	45	176	364	15789	77,4	75
chrX	32235000	32235206	DMD	NM_004006	79	79	44	148	356	14885	71,91	100
chrX	32305625	32305828	DMD	NM_004006	79	79	43	173	416	19089	93,57	100
chrX	32328162	32328365	DMD	NM_004006	79	79	42	195	209	8158	39,99	85,6
chrX	32360150	32360332	DMD	NM_004006	79	79	41	183	393	14513	79,31	63,4
chrX	32361229	32361429	DMD	NM_004006	79	79	40	153	442	17567	87,4	100
chrX	32364043	32364228	DMD	NM_004006	79	79	39	138	440	17920	96,34	100
chrX	32366480	32366668	DMD	NM_004006	79	79	38	123	670	28058	148,46	100
chrX	32380961	32381146	DMD	NM_004006	79	79	37	171	661	29042	156,14	67,3
chrX	32382668	32382865	DMD	NM_004006	79	79	36	129	285	11702	59,1	100
chrX	32383075	32383251	DMD	NM_004006	79	79	35	180	1277	57231	323,34	63,9
chrX	32398593	32398772	DMD	NM_004006	79	79	34	171	956	40303	223,91	85,4

chrX	32404380	32404568	DMD	NM_004006	79	79	33	156	1342	55443	293,35	91
chrX	32407544	32407744	DMD	NM_004006	79	79	32	174	719	30593	152,2	73
chrX	32408151	32408339	DMD	NM_004006	79	79	31	111	696	31548	166,92	100
chrX	32429821	32430353	DMD	NM_004006	79	79	30	162	1245	57948	108,72	100
chrX	32456329	32456529	DMD	NM_004006	79	79	29	150	932	41027	204,11	100
chrX	32459233	32459436	DMD	NM_004006	79	79	28	135	204	8858	43,42	100
chrX	32466533	32466733	DMD	NM_004006	79	79	27	183	592	25449	126,61	88
chrX	32472805	32472996	DMD	NM_004006	79	79	26	171	164	7069	36,82	84,8
chrX	32481530	32481727	DMD	NM_004006	79	79	25	156	372	16117	81,4	100
chrX	32482689	32482904	DMD	NM_004006	79	79	24	114	841	36001	166,67	100
chrX	32486605	32486820	DMD	NM_004006	79	79	23	213	227	9881	45,75	96,7
chrX	32490238	32490465	DMD	NM_004006	79	79	22	146	347	15413	67,6	100
chrX	32503001	32503204	DMD	NM_004006	79	79	21	181	241	10312	50,55	93,4
chrX	32509362	32509669	DMD	NM_004006	79	79	20	242	341	15596	50,64	100
chrX	32519809	32520021	DMD	NM_004006	79	79	19	88	1015	44081	206,95	100
chrX	32536011	32536276	DMD	NM_004006	79	79	18	124	261	11931	44,85	100
chrX	32563212	32563403	DMD	NM_004006	79	79	17	176	236	10107	52,64	72,7
chrX	32583772	32583993	DMD	NM_004006	79	79	16	180	490	21309	95,99	97,2
chrX	32591645	32592023	DMD	NM_004006	79	79	15,14	108.102	2075	98113	258,87	100.0,100.0
chrX	32613839	32614018	DMD	NM_004006	79	79	13	120	530	22920	127,33	100
chrX	32632322	32632537	DMD	NM_004006	79	79	12	151	518	19984	92,52	78,1
chrX	32662254	32662424	DMD	NM_004006	79	79	11	182	750	33983	198,73	94
chrX	32663071	32663280	DMD	NM_004006	79	79	10	189	1214	52364	249,35	100
chrX	32715890	32716090	DMD	NM_004006	79	79	9	129	713	31432	156,38	80,6
chrX	32717219	32717434	DMD	NM_004006	79	79	8	182	598	25912	119,96	100
chrX	32827562	32827777	DMD	NM_004006	79	79	7	119	761	31593	146,26	100
chrX	32834540	32834749	DMD	NM_004006	79	79	6	173	280	12716	60,55	95,4
chrX	32841366	32841557	DMD	NM_004006	79	79	5	93	458	20705	107,84	100
chrX	32862889	32863095	DMD	NM_004006	79	79	4	78	313	13866	66,99	100
chrX	32867775	32867993	DMD	NM_004006	79	79	3	93	168	6573	30,01	100
chrX	33038123	33038311	DMD	NM_004006	79	79	2	62	248	11026	58,34	90,3
chrX	33229337	33229629	DMD	NM_004006	79	79	1	31	811	35810	122,22	100
chrX	38420681	38420952	TSPAN7	NM_004615	8	7	1	81	393	15495	56,97	100
chrX	38525413	38525610	TSPAN7	NM_004615	8	7	2	189	2198	100378	506,96	79,9
chrX	38530521	38530721	TSPAN7	NM_004615	8	7	3	75	269	12100	60,2	100
chrX	38533362	38533562	TSPAN7	NM_004615	8	7	4	96	45	1833	9,12	91,7
chrX	38534870	38535064	TSPAN7	NM_004615	8	7	5	156	148	6568	33,68	67,9
chrX	38540333	38540536	TSPAN7	NM_004615	8	7	6	84	382	16339	80,09	94
chrX	38546774	38546995	TSPAN7	NM_004615	8	7	7	69	480	20863	93,98	100
chrX	39911267	39911701	BCOR	NM_001123385	15	14	15	292	1081	51195	117,69	100
chrX	39913111	39913311	BCOR	NM_001123385	15	14	14	157	343	14588	72,58	100
chrX	39913522	39913707	BCOR	NM_001123385	15	14	13	78	250	9508	51,12	83,3
chrX	39914578	39914751	BCOR	NM_001123385	15	14	12	146	427	17512	100,64	89,7
chrX	39916444	39916650	BCOR	NM_001123385	15	14	11	167	989	43599	210,62	78,4
chrX	39921438	39921706	BCOR	NM_001123385	15	14	10	255	306	13545	50,35	82
chrX	39921906	39922296	BCOR	NM_001123385	15	14	9	326	651	31179	79,74	91,4
chrX	39922896	39923262	BCOR	NM_001123385	15	14	8	345	1751	78949	215,12	89,9
chrX	39923607	39923887	BCOR	NM_001123385	15	14	7	264	353	15391	54,77	93,2
chrX	39930275	39930478	BCOR	NM_001123385	15	14	6	187	383	15512	76,04	73,8
chrX	39930789	39930992	BCOR	NM_001123385	15	14	5	54	361	15882	77,85	100
chrX	39931550	39934414	BCOR	NM_001123385	15	14	4	2832	7587	368167	128,51	99,3
chrX	39935594	39935794	BCOR	NM_001123385	15	14	3	79	529	22830	113,58	100
chrX	39937127	39937315	BCOR	NM_001123385	15	14	2	86	92	4218	22,32	65,1
chrX	40448133	40448327	ATP6AP2	NM_005765	9	9	2	131	153	6118	31,37	68,7
chrX	40450526	40450702	ATP6AP2	NM_005765	9	9	3	132	396	15935	90,03	69,7
chrX	40456488	40456940	ATP6AP2	NM_005765	9	9	4,5	96.138	591	27991	61,79	100.0,100.0
chrX	40457934	40458104	ATP6AP2	NM_005765	9	9	6	54	239	10413	60,89	98,1

chrX	40458893	40459075	ATP6AP2	NM_005765	9	9	7	150	223	9383	51,27	67,3
chrX	40460048	40460233	ATP6AP2	NM_005765	9	9	8	120	59	2324	12,49	71,7
chrX	40464964	40465084	ATP6AP2	NM_005765	9	9	9	195	117	4639	38,34	22,6
chrX	41379609	41379827	CASK	NM_003688	27	27	27	177	125	5519	25,2	87,6
chrX	41383130	41383300	CASK	NM_003688	27	27	26	84	159	6705	39,21	100
chrX	41390320	41390517	CASK	NM_003688	27	27	25	203	387	16873	85,22	70,4
chrX	41393903	41394183	CASK	NM_003688	27	27	24,23	81,66	370	15748	56,04	100,0,57.6
chrX	41401886	41402098	CASK	NM_003688	27	27	22	116	380	15492	72,73	100
chrX	41412963	41413166	CASK	NM_003688	27	27	21	197	553	24297	119,1	99
chrX	41414752	41414928	CASK	NM_003688	27	27	20	36	447	17735	100,2	100
chrX	41416242	41416457	CASK	NM_003688	27	27	19	69	669	28680	132,78	100
chrX	41418875	41419072	CASK	NM_003688	27	27	18	69	130	5338	26,96	59,4
chrX	41420784	41420969	CASK	NM_003688	27	27	17	86	232	10248	55,1	100
chrX	41428796	41428984	CASK	NM_003688	27	27	16	79	73	3317	17,55	81
chrX	41437556	41437759	CASK	NM_003688	27	27	15	189	613	26564	130,22	88,4
chrX	41446054	41446236	CASK	NM_003688	27	27	14	81	121	4818	26,33	95,1
chrX	41448695	41448893	CASK	NM_003688	27	27	13	78	484	21563	72,12	100
chrX	41469135	41469356	CASK	NM_003688	27	27	12	122	288	13299	59,91	100
chrX	41481778	41481963	CASK	NM_003688	27	27	11	18	316	12994	69,86	100
chrX	41485776	41485988	CASK	NM_003688	27	27	10	100	107	4687	22	100
chrX	41495781	41495969	CASK	NM_003688	27	27	9	84	229	10662	56,41	100
chrX	41519676	41519879	CASK	NM_003688	27	27	8	123	295	12328	60,43	100
chrX	41524532	41524747	CASK	NM_003688	27	27	7	176	751	33460	154,91	98,9
chrX	41530556	41530765	CASK	NM_003688	27	27	6	103	226	9241	44	82,5
chrX	41598617	41598847	CASK	NM_003688	27	27	5	73	235	9485	41,06	100
chrX	41604730	41604909	CASK	NM_003688	27	27	4	78	379	15119	83,99	100
chrX	41646419	41646613	CASK	NM_003688	27	27	3	106	456	19734	101,2	100
chrX	41712278	41712499	CASK	NM_003688	27	27	2	113	413	17304	77,95	100
chrX	41782131	41782396	CASK	NM_003688	27	27	1	59	503	23656	88,93	100
chrX	43515510	43515680	MAOA	NM_000240	15	15	1	73	317	13672	79,95	100
chrX	43542734	43542934	MAOA	NM_000240	15	15	2	95	260	11420	56,82	100
chrX	43552521	43552739	MAOA	NM_000240	15	15	3	138	212	9301	42,47	100
chrX	43571100	43571309	MAOA	NM_000240	15	15	4	105	220	9217	43,89	100
chrX	43571912	43572085	MAOA	NM_000240	15	15	5	92	520	22164	127,38	100
chrX	43587330	43587515	MAOA	NM_000240	15	15	6	142	751	34412	185,01	67,6
chrX	43590447	43590674	MAOA	NM_000240	15	15	7	150	458	18644	81,77	100
chrX	43590914	43591135	MAOA	NM_000240	15	15	8	160	394	18314	82,5	100
chrX	43591908	43592135	MAOA	NM_000240	15	15	9	97	129	5845	25,64	100
chrX	43595346	43595537	MAOA	NM_000240	15	15	10	54	222	8943	46,58	100
chrX	43599901	43600074	MAOA	NM_000240	15	15	11	58	296	12111	69,6	100
chrX	43601220	43601408	MAOA	NM_000240	15	15	12	98	529	21623	114,41	76,5
chrX	43602921	43603127	MAOA	NM_000240	15	15	13	112	227	9153	44,22	77,7
chrX	43603307	43603519	MAOA	NM_000240	15	15	14	63	97	4081	19,16	100
chrX	43603679	43603882	MAOA	NM_000240	15	15	15	147	310	13894	68,11	55,8
chrX	43808912	43809216	NDP	NM_000266	3	2	3	228	640	27466	90,05	75,4
chrX	43817713	43817993	NDP	NM_000266	3	2	2	174	66	2648	9,42	100
chrX	44732794	44732976	KDM6A	NM_021140	29	29	1	161	12	425	2,32	100
chrX	44733083	44733259	KDM6A	NM_021140	29	29	2	64	114	5158	29,14	100
chrX	44820557	44820742	KDM6A	NM_021140	29	29	3	109	208	8740	46,99	74,3
chrX	44833805	44834017	KDM6A	NM_021140	29	29	4	50	232	9724	45,65	100
chrX	44870206	44870379	KDM6A	NM_021140	29	29	5	59	292	11596	66,64	100
chrX	44879889	44880068	KDM6A	NM_021140	29	29	6	121	459	19930	110,72	71,9
chrX	44894168	44894365	KDM6A	NM_021140	29	29	7	55	425	18641	94,15	100
chrX	44896816	44897004	KDM6A	NM_021140	29	29	8	35	418	16664	88,17	100
chrX	44910927	44911130	KDM6A	NM_021140	29	29	9	94	53	1993	9,77	100
chrX	44913111	44913293	KDM6A	NM_021140	29	29	10	127	456	20140	110,05	70,9
chrX	44918295	44918797	KDM6A	NM_021140	29	29	11,12	99,220	2547	123409	245,35	55,6,100.0

chrX	44919388	44919508	KDM6A	NM_021140	29	29	13	135	134	5248	43,37	10,4
chrX	44920531	44920704	KDM6A	NM_021140	29	29	14	96	172	7111	40,87	100
chrX	44921791	44921997	KDM6A	NM_021140	29	29	15	102	68	3027	14,62	100
chrX	44922584	44923015	KDM6A	NM_021140	29	29	16	396	1943	91471	211,74	88,1
chrX	44928777	44929638	KDM6A	NM_021140	29	29	17	779	4217	202452	234,86	100
chrX	44935831	44936031	KDM6A	NM_021140	29	29	18	130	298	10608	52,78	69,2
chrX	44937672	44937842	KDM6A	NM_021140	29	29	19	106	371	15838	92,62	74,5
chrX	44938468	44938668	KDM6A	NM_021140	29	29	20	206	200	8996	44,76	62,6
chrX	44941899	44942087	KDM6A	NM_021140	29	29	22	75	405	17105	90,5	100
chrX	44942711	44942896	KDM6A	NM_021140	29	29	23	149	389	15721	84,52	96
chrX	44945018	44945191	KDM6A	NM_021140	29	29	24	115	226	9392	53,98	71,3
chrX	44949056	44949256	KDM6A	NM_021140	29	29	25	188	117	4799	23,88	63,8
chrX	44949992	44950198	KDM6A	NM_021140	29	29	26	142	287	12502	60,4	83,1
chrX	44966584	44966796	KDM6A	NM_021140	29	29	27	127	465	21496	100,92	100
chrX	44969383	44969568	KDM6A	NM_021140	29	29	28	171	371	16164	86,9	65,5
chrX	44970612	44970803	KDM6A	NM_021140	29	29	29	30	1324	56182	292,61	100
chrX	46309743	46309928	KRBOX4	NM_001129898	6	4	3	15	942	38092	204,8	100
chrX	46322070	46322190	KRBOX4	NM_001129898	6	4	4	127	791	28564	236,07	6,3
chrX	46322542	46322662	KRBOX4	NM_001129898	6	4	5	111	839	30475	251,86	27
chrX	46322723	46322843	KRBOX4	NM_001129898	6	4	5	111	185	6305	52,11	18,9
chrX	46332173	46332503	KRBOX4	NM_001129898	6	4	6	263	305	14487	43,77	100
chrX	46359233	46360150	ZNF674	NM_001039891	6	4	6	1493	2007	95082	103,58	58,5
chrX	46360460	46360710	ZNF674	NM_001039891	6	4	6	1493	456	18641	74,27	16,8
chrX	46387796	46387969	ZNF674	NM_001039891	6	4	5	111	730	30032	172,6	76,6
chrX	46388335	46388455	ZNF674	NM_001039891	6	4	4	127	895	28553	235,98	7,9
chrX	46401450	46401653	ZNF674	NM_001039891	6	4	3	15	250	9873	48,4	100
chrX	47306741	47307711	ZNF41	NM_007130	5	4	5	2045	3118	147257	151,65	43,2
chrX	47307763	47308926	ZNF41	NM_007130	5	4	5	2045	2058	98714	84,81	54,3
chrX	47315321	47315515	ZNF41	NM_007130	5	4	4	96	741	31467	161,37	99,9
chrX	47315712	47315918	ZNF41	NM_007130	5	4	3	127	573	25759	124,44	67,7
chrX	47326765	47326980	ZNF41	NM_007130	5	4	2	72	302	13168	60,96	100
chrX	47432187	47432479	SYN1	NM_006950	13	13	13	136	145	6699	22,86	100
chrX	47433464	47434242	SYN1	NM_006950	13	13	12,11	589,88	39	1704	2,19	89.3,100.0
chrX	47434571	47434744	SYN1	NM_006950	13	13	10	147	183	7471	42,94	70,1
chrX	47435524	47436038	SYN1	NM_006950	13	13	9,8,7	103,75,143	3297	153230	297,53	100.0,100.0,99.3
chrX	47436708	47436893	SYN1	NM_006950	13	13	6	63	1030	44664	240,13	88,9
chrX	47464312	47464731	SYN1	NM_006950	13	13	5,4	90.157	1195	56466	134,44	100.0,70.1
chrX	47466375	47466670	SYN1	NM_006950	13	13	3,2	92,58	572	25874	87,41	66.3,100.0
chrX	47478809	47479237	SYN1	NM_006950	13	13	1	377	23	1077	2,51	84,6
chrX	47747387	47747611	ZNF81	NM_007137	5	4	3	127	200	8099	36	100
chrX	47755267	47755452	ZNF81	NM_007137	5	4	4	96	289	11515	61,91	76
chrX	47774305	47776090	ZNF81	NM_007137	5	4	5	1709	2880	138438	77,51	100
chrX	48336317	48336535	FTSJ1	NM_012280	13	11	2	121	486	21447	97,93	82,6
chrX	48336885	48337174	FTSJ1	NM_012280	13	11	3,4	70,91	251	10474	36,12	31.4,100.0
chrX	48337403	48337603	FTSJ1	NM_012280	13	11	5	79	585	24529	122,03	100
chrX	48339451	48340066	FTSJ1	NM_012280	13	11	6,7,8,9	53,54,103,84	1526	70509	114,46	100.0,100.0,100.0,56.0
chrX	48340824	48341486	FTSJ1	NM_012280	13	11	10,11,12	104,198,33	1037	48694	73,44	68.3,100.0,100.0
chrX	48367859	48368352	PORCN	NM_203475	14	14	1	136	2128	98951	200,31	100
chrX	48369723	48369920	PORCN	NM_203475	14	14	2	193	1286	56801	286,87	79,3
chrX	48370141	48370344	PORCN	NM_203475	14	14	3	44	474	20386	99,93	100
chrX	48370779	48371287	PORCN	NM_203475	14	14	4,5,6	182,131,18	1213	55866	109,76	64.3,100.0,100.0
chrX	48372572	48373083	PORCN	NM_203475	14	14	8,9	126.101	1252	58190	113,65	100.0,100.0
chrX	48374171	48374608	PORCN	NM_203475	14	14	10,11,12	77,64,86	1431	65995	150,67	14.3,100.0,100.0
chrX	48375531	48375710	PORCN	NM_203475	14	14	13	111	371	15002	83,34	100
chrX	48378815	48378935	PORCN	NM_203475	14	14	14	102	26	809	6,69	49
chrX	48755020	48755223	PQBP1	NM_001032381	7	6	1	103	448	18899	92,64	28,2
chrX	48755575	48755846	PQBP1	NM_001032381	7	6	2	67	1303	61372	225,63	80,6

chrX	48758359	48758550	PQBP1	NM_001032381	7	6	3	112	329	14242	74,18	75
chrX	48759207	48759398	PQBP1	NM_001032381	7	6	4	113	366	15849	82,55	100
chrX	48759577	48760429	PQBP1	NM_001032381	7	6	5,6,7	285,64,157	2771	135221	158,52	76.5,100.0,100.0
chrX	49047841	49048284	SYP	NM_003179	7	6	6	327	349	13389	30,16	100
chrX	49049733	49049924	SYP	NM_003179	7	6	5	192	424	17410	90,68	97,9
chrX	49050632	49050814	SYP	NM_003179	7	6	4	196	478	20254	110,68	93,4
chrX	49054105	49054376	SYP	NM_003179	7	6	3	125	355	15470	56,88	100
chrX	49055419	49055619	SYP	NM_003179	7	6	2	66	201	8992	44,74	100
chrX	49056532	49056726	SYP	NM_003179	7	6	1	36	11	446	2,29	100
chrX	50339586	50339964	SHROOM4	NM_020717	9	9	9	270	1154	53258	140,52	100
chrX	50341320	50341615	SHROOM4	NM_020717	9	9	8	270	766	35382	119,53	80
chrX	50345553	50345753	SHROOM4	NM_020717	9	9	7	181	518	23571	117,27	66,9
chrX	50350302	50350659	SHROOM4	NM_020717	9	9	6	804	953	44677	124,8	34,7
chrX	50350717	50351142	SHROOM4	NM_020717	9	9	6	804	667	29007	68,09	53
chrX	50370589	50370759	SHROOM4	NM_020717	9	9	5	62	233	10386	60,74	100
chrX	50376090	50378622	SHROOM4	NM_020717	9	9	4	2491	8321	402999	159,1	98,2
chrX	50381065	50381280	SHROOM4	NM_020717	9	9	3	135	183	8018	37,12	79,3
chrX	50438689	50438901	SHROOM4	NM_020717	9	9	2	152	883	38732	181,84	76,3
chrX	50556898	50557098	SHROOM4	NM_020717	9	9	1	117	64	2048	10,19	100
chrX	53221807	53223032	KDM5C	NM_004187	26	26	26,25,24	366,200,79	2583	119373	97,37	100.0,100.0,98.7
chrX	53223275	53223848	KDM5C	NM_004187	26	26	23	600	687	31823	55,44	88
chrX	53224131	53224648	KDM5C	NM_004187	26	26	22,21	138.180	1067	46501	89,77	87.0,100.0
chrX	53225135	53225320	KDM5C	NM_004187	26	26	20	139	256	10201	54,84	73,4
chrX	53225794	53226163	KDM5C	NM_004187	26	26	19	359	834	37538	101,45	82,5
chrX	53226980	53227180	KDM5C	NM_004187	26	26	18	106	707	29234	145,44	74,5
chrX	53227602	53228270	KDM5C	NM_004187	26	26	17,16,15	148.125.182	1491	67428	100,79	100.0,100.0,61.5
chrX	53230678	53231103	KDM5C	NM_004187	26	26	14,13	195.120	1470	67527	158,51	100.0,56.7
chrX	53239579	53240001	KDM5C	NM_004187	26	26	12,11	163.182	1993	92975	219,8	100.0,79.1
chrX	53240594	53241040	KDM5C	NM_004187	26	26	10,9	159.120	1740	78824	176,34	100.0,60.0
chrX	53243909	53244121	KDM5C	NM_004187	26	26	8	159	136	5363	25,18	76,1
chrX	53245008	53245466	KDM5C	NM_004187	26	26	7,6	182.124	1887	88627	193,09	83.0,100.0
chrX	53246336	53246527	KDM5C	NM_004187	26	26	5	135	717	31256	162,79	91,9
chrX	53247007	53247228	KDM5C	NM_004187	26	26	4	171	179	7870	35,45	83
chrX	53247352	53247561	KDM5C	NM_004187	26	26	3	123	490	20911	99,58	84,6
chrX	53249884	53250084	KDM5C	NM_004187	26	26	2	78	627	26345	131,07	82,1
chrX	53253969	53254166	KDM5C	NM_004187	26	26	1	150	31	1411	7,13	68,7
chrX	53263285	53264359	IQSEC2	NM_001111125	15	15	15	966	1093	50150	46,65	99,3
chrX	53264853	53265053	IQSEC2	NM_001111125	15	15	14	50	180	7388	36,76	100
chrX	53265547	53265747	IQSEC2	NM_001111125	15	15	13	174	220	8929	44,42	75,3
chrX	53267379	53267567	IQSEC2	NM_001111125	15	15	12	162	130	6163	32,61	67,9
chrX	53268359	53268553	IQSEC2	NM_001111125	15	15	11	100	620	26810	137,49	100
chrX	53270865	53271071	IQSEC2	NM_001111125	15	15	10	126	1123	51314	247,89	84,1
chrX	53272414	53272623	IQSEC2	NM_001111125	15	15	9	140	302	13230	63	78,6
chrX	53276079	53276264	IQSEC2	NM_001111125	15	15	8	167	464	19803	106,47	68,3
chrX	53277316	53277528	IQSEC2	NM_001111125	15	15	7	123	384	14813	69,54	83,7
chrX	53277943	53278155	IQSEC2	NM_001111125	15	15	6	162	596	24585	115,42	75,3
chrX	53279496	53280437	IQSEC2	NM_001111125	15	15	5	896	1537	71489	75,89	96,1
chrX	53283638	53284057	IQSEC2	NM_001111125	15	15	4	402	834	36807	87,64	86,1
chrX	53284942	53285219	IQSEC2	NM_001111125	15	15	3	262	198	8571	30,83	90,8
chrX	53321039	53321239	IQSEC2	NM_001111125	15	15	2	30	226	9178	45,66	100
chrX	53349539	53350462	IQSEC2	NM_001111125	15	15	1	707	302	13043	14,12	100
chrX	53406874	53407169	SMC1A	NM_006306	25	25	25	84	231	10734	36,26	100
chrX	53407537	53407734	SMC1A	NM_006306	25	25	24	111	650	27913	140,97	100
chrX	53407855	53408043	SMC1A	NM_006306	25	25	23	70	226	10556	55,85	100
chrX	53409206	53409643	SMC1A	NM_006306	25	25	22,21	152.155	1199	56951	130,03	65.1,100.0
chrX	53409959	53410153	SMC1A	NM_006306	25	25	20	157	471	20709	106,2	86,6
chrX	53421667	53421843	SMC1A	NM_006306	25	25	19	111	153	6804	38,44	100

chrX	53423100	53423528	SMC1A	NM_006306	25	25	18,17	154.146	3561	163636	381,44	100.0,93.8
chrX	53426532	53426747	SMC1A	NM_006306	25	25	16	142	146	6089	28,19	85,2
chrX	53430469	53430835	SMC1A	NM_006306	25	25	15,14	107.117	2551	116846	318,38	100.0,100.0
chrX	53431957	53432954	SMC1A	NM_006306	25	25	13,12,11,10	138.147.180.186	2803	133893	134,16	90.6,100.0,100.0,100.0
chrX	53436014	53436460	SMC1A	NM_006306	25	25	9,8	208.83	414	17975	40,21	89.9,100.0
chrX	53438627	53439165	SMC1A	NM_006306	25	25	7,6	141.259	4639	222459	412,73	100.0,85.3
chrX	53439748	53440342	SMC1A	NM_006306	25	25	5,4	239.204	3660	170864	287,17	100.0,78.9
chrX	53441638	53442087	SMC1A	NM_006306	25	25	3,2	113.189	982	45833	101,85	100.0,83.6
chrX	53449372	53449622	SMC1A	NM_006306	25	25	1	109	341	14756	58,79	100
chrX	53458321	53458607	HSD17B10	NM_004493	6	6	6	191	1005	45050	156,97	100
chrX	53458800	53459400	HSD17B10	NM_004493	6	6	5,4,3	109.129.165	2699	129317	215,17	50.5,100.0,100.0
chrX	53460584	53460775	HSD17B10	NM_004493	6	6	2	165	219	9489	49,42	64,8
chrX	53461155	53461346	HSD17B10	NM_004493	6	6	1	27	968	41489	216,09	100
chrX	53965443	53965649	PHF8	NM_001184896	22	22	22	89	90	4122	19,91	66,3
chrX	53966660	53967029	PHF8	NM_001184896	22	22	21	337	516	23530	63,59	86,1
chrX	53970596	53970796	PHF8	NM_001184896	22	22	20	110	1143	47437	236	73,6
chrX	53989170	53989364	PHF8	NM_001184896	22	22	19	96	405	17612	90,32	91,7
chrX	54011248	54011608	PHF8	NM_001184896	22	22	18	314	1875	87264	241,73	83,4
chrX	54012123	54012323	PHF8	NM_001184896	22	22	17	134	430	17985	89,48	56
chrX	54013441	54013668	PHF8	NM_001184896	22	22	16	86	158	7315	32,08	100
chrX	54014244	54014447	PHF8	NM_001184896	22	22	15	179	895	40880	200,39	74,9
chrX	54019174	54019380	PHF8	NM_001184896	22	22	14	104	940	40469	195,5	95,2
chrX	54020070	54020418	PHF8	NM_001184896	22	22	13	303	1389	61923	177,43	88,1
chrX	54022085	54022270	PHF8	NM_001184896	22	22	12	90	1704	74276	399,33	100
chrX	54026218	54026406	PHF8	NM_001184896	22	22	11	92	142	5591	29,58	100
chrX	54028615	54028788	PHF8	NM_001184896	22	22	10	107	521	21690	124,66	74,8
chrX	54028959	54029174	PHF8	NM_001184896	22	22	9	88	452	19268	89,2	100
chrX	54037610	54037789	PHF8	NM_001184896	22	22	8	163	412	17941	99,67	66,3
chrX	54040850	54041065	PHF8	NM_001184896	22	22	7	187	597	26095	120,81	78,6
chrX	54042953	54043123	PHF8	NM_001184896	22	22	6	142	656	30303	177,21	67,6
chrX	54044007	54044207	PHF8	NM_001184896	22	22	5	161	832	34746	172,87	70,8
chrX	54048717	54048896	PHF8	NM_001184896	22	22	4	109	641	27955	155,31	77,1
chrX	54049127	54049327	PHF8	NM_001184896	22	22	3	86	274	11305	56,24	100
chrX	54068987	54069359	PHF8	NM_001184896	22	22	2	190	653	28044	75,18	100
chrX	54472432	54472819	FGD1	NM_004463	18	18	18	306	295	12698	32,73	90,8
chrX	54473682	54473876	FGD1	NM_004463	18	18	17	144	379	16463	84,43	92,4
chrX	54475134	54475678	FGD1	NM_004463	18	18	16,15	162.126	1449	65461	120,11	100.0,81.7
chrX	54476108	54476317	FGD1	NM_004463	18	18	14	102	584	21406	101,93	84,3
chrX	54476684	54476866	FGD1	NM_004463	18	18	13	31	90	3252	17,77	100
chrX	54481856	54482240	FGD1	NM_004463	18	18	12,11	80,93	3178	149969	389,53	100.0,100.0
chrX	54482625	54482970	FGD1	NM_004463	18	18	10,9	147,59	1356	60931	176,1	100.0,49.2
chrX	54491876	54492319	FGD1	NM_004463	18	18	8,7	139.157	2000	94297	212,38	100.0,100.0
chrX	54494175	54494351	FGD1	NM_004463	18	18	6	149	232	9524	53,81	90,6
chrX	54495236	54495427	FGD1	NM_004463	18	18	5	90	2332	96030	500,16	82,2
chrX	54496380	54497131	FGD1	NM_004463	18	18	4,3	442.178	1685	77901	103,59	100.0,65.2
chrX	54497793	54497993	FGD1	NM_004463	18	18	2	174	188	8490	42,24	73,6
chrX	54521507	54521935	FGD1	NM_004463	18	18	1	307	51	2430	5,66	100
chrX	62857843	62858025	ARHGEF9	NM_015185	10	10	10	182	258	11069	60,49	64,8
chrX	62863763	62863948	ARHGEF9	NM_015185	10	10	9	69	656	26382	141,84	100
chrX	62875286	62875575	ARHGEF9	NM_015185	10	10	8	244	1651	72739	250,82	82,8
chrX	62885695	62885889	ARHGEF9	NM_015185	10	10	7	132	338	14532	74,52	93,9
chrX	62893945	62894154	ARHGEF9	NM_015185	10	10	6	130	592	24273	115,59	79,2
chrX	62898240	62898526	ARHGEF9	NM_015185	10	10	5	233	682	31277	108,98	91,4
chrX	62916949	62917164	ARHGEF9	NM_015185	10	10	4	180	106	4712	21,81	88,9
chrX	62926082	62926261	ARHGEF9	NM_015185	10	10	3	192	410	17410	96,72	64,6
chrX	62944467	62944670	ARHGEF9	NM_015185	10	10	2	180	1042	43545	213,46	69,4
chrX	62974098	62974399	ARHGEF9	NM_015185	10	10	1	9	237	10460	34,64	100

chrX	67268116	67268334	OPHN1	NM_002547	25	23	24	34	210	9051	41,33	100
chrX	67272234	67272431	OPHN1	NM_002547	25	23	23	51	275	11874	59,97	98
chrX	67273409	67273594	OPHN1	NM_002547	25	23	22	166	199	8413	45,23	65,1
chrX	67283731	67284082	OPHN1	NM_002547	25	23	21	324	760	36015	102,32	89,2
chrX	67292904	67293092	OPHN1	NM_002547	25	23	20	148	1133	48476	256,49	66,9
chrX	67316643	67316816	OPHN1	NM_002547	25	23	19	160	166	6452	37,08	65,6
chrX	67331603	67331776	OPHN1	NM_002547	25	23	18	106	307	13069	75,11	76,4
chrX	67332921	67333127	OPHN1	NM_002547	25	23	17	59	678	29846	144,18	100
chrX	67338968	67339171	OPHN1	NM_002547	25	23	16	85	417	18075	88,6	96,5
chrX	67412730	67412939	OPHN1	NM_002547	25	23	15	75	403	17892	85,2	100
chrX	67413662	67413853	OPHN1	NM_002547	25	23	14	63	779	34043	177,31	100
chrX	67414184	67414378	OPHN1	NM_002547	25	23	13	34	234	9611	49,29	100
chrX	67417038	67417241	OPHN1	NM_002547	25	23	12	79	228	9801	48,04	87,3
chrX	67421451	67421636	OPHN1	NM_002547	25	23	11	92	439	19096	102,67	100
chrX	67426439	67426630	OPHN1	NM_002547	25	23	10	101	368	16475	85,81	76,2
chrX	67429811	67430088	OPHN1	NM_002547	25	23	9	130	1170	55370	199,17	72,3
chrX	67431832	67432044	OPHN1	NM_002547	25	23	8	105	163	6976	32,75	90,5
chrX	67433682	67433903	OPHN1	NM_002547	25	23	7	111	576	25078	112,96	100
chrX	67454300	67454515	OPHN1	NM_002547	25	23	6	102	331	14459	66,94	100
chrX	67494443	67494655	OPHN1	NM_002547	25	23	5	72	299	12000	56,34	100
chrX	67502792	67502989	OPHN1	NM_002547	25	23	4	62	1023	44595	225,23	100
chrX	67518865	67519056	OPHN1	NM_002547	25	23	3	96	451	19544	101,79	77,1
chrX	67652641	67652814	OPHN1	NM_002547	25	23	2	154	1373	56139	322,64	68,8
chrX	69664979	69665413	DLG3	NM_021120	19	19	1	357	59	2418	5,56	100
chrX	69668732	69668902	DLG3	NM_021120	19	19	2	51	130	5699	33,33	100
chrX	69669113	69669301	DLG3	NM_021120	19	19	3	125	424	18287	96,76	74,4
chrX	69669581	69669790	DLG3	NM_021120	19	19	4	170	61	2472	11,77	75,9
chrX	69669980	69670189	DLG3	NM_021120	19	19	5	137	637	27330	130,14	100
chrX	69670385	69670600	DLG3	NM_021120	19	19	6	145	437	19224	89	77,2
chrX	69671651	69671821	DLG3	NM_021120	19	19	7	160	878	38243	223,64	65,6
chrX	69673536	69673739	DLG3	NM_021120	19	19	8	157	144	5749	28,18	68,8
chrX	69674044	69674250	DLG3	NM_021120	19	19	9	103	110	4490	21,69	100
chrX	69698932	69699120	DLG3	NM_021120	19	19	10	115	270	10797	57,13	100
chrX	69712010	69712216	DLG3	NM_021120	19	19	11	177	163	6752	32,62	70,1
chrX	69712263	69712448	DLG3	NM_021120	19	19	12	76	116	4916	26,43	100
chrX	69715135	69715356	DLG3	NM_021120	19	19	13	46	170	7764	34,97	100
chrX	69718273	69718449	DLG3	NM_021120	19	19	14	51	303	12398	70,05	100
chrX	69718994	69719206	DLG3	NM_021120	19	19	15	102	910	40155	188,52	100
chrX	69719694	69719867	DLG3	NM_021120	19	19	16	173	337	14749	84,76	81,5
chrX	69720335	69720535	DLG3	NM_021120	19	19	17	110	302	13469	67,01	87,3
chrX	69720633	69720833	DLG3	NM_021120	19	19	18	92	172	8000	39,8	93,5
chrX	69721980	69722266	DLG3	NM_021120	19	19	19	107	934	43671	152,16	100
chrX	70338596	70338784	MED12	NM_005120	45	45	1	99	49	2029	10,74	100
chrX	70339083	70339304	MED12	NM_005120	45	45	2	105	1636	72404	326,14	78,1
chrX	70339556	70340064	MED12	NM_005120	45	45	3,4	192.157	1402	66720	131,08	89,6,100,0
chrX	70340760	70341618	MED12	NM_005120	45	45	5,6,7	182.111.255	3831	183956	214,15	100,0,100,0,81.2
chrX	70342076	70342756	MED12	NM_005120	45	45	8,9,10	147.100.137	2237	104604	153,6	82,3,100,0,100,0
chrX	70342850	70343035	MED12	NM_005120	45	45	11	132	941	43313	232,87	68,9
chrX	70343337	70343531	MED12	NM_005120	45	45	12	127	126	5067	25,98	69,3
chrX	70343908	70344191	MED12	NM_005120	45	45	13	230	1979	84508	297,56	79,6
chrX	70344581	70345033	MED12	NM_005120	45	45	14,15	81.171	1602	75998	167,77	100,0,100,0
chrX	70345201	70345576	MED12	NM_005120	45	45	16,17	145,51	2826	135047	359,17	100,0,100,0
chrX	70345868	70346065	MED12	NM_005120	45	45	18	119	1881	77695	392,4	100
chrX	70346198	70346383	MED12	NM_005120	45	45	19	144	978	43001	231,19	95,1
chrX	70346752	70346925	MED12	NM_005120	45	45	20	164	443	18481	106,21	65,2
chrX	70347196	70347366	MED12	NM_005120	45	45	21	132	1091	48747	285,07	92,4
chrX	70347795	70348629	MED12	NM_005120	45	45	22,23,24	228.145.121	3816	182570	218,65	77,2,100,0,100,0

chrX	70348869	70349241	MED12	NM_005120	45	45	25,26	102.114	2460	113069	303,13	100.0,66.7
chrX	70349476	70349996	MED12	NM_005120	45	45	27,28	176.180	3339	159524	306,19	100.0,62.2
chrX	70351299	70351511	MED12	NM_005120	45	45	29	72	548	23098	108,44	100
chrX	70351883	70352418	MED12	NM_005120	45	45	30,31	134.162	1288	62027	115,72	100.0,100.0
chrX	70352698	70353058	MED12	NM_005120	45	45	32,33	112.90	697	32594	90,29	97.3,95.6
chrX	70354086	70354298	MED12	NM_005120	45	45	34	110	437	19295	90,59	83,6
chrX	70354464	70354676	MED12	NM_005120	45	45	35	136	708	29888	140,32	83,8
chrX	70354997	70355182	MED12	NM_005120	45	45	36	162	675	28021	150,65	66
chrX	70356104	70356479	MED12	NM_005120	45	45	37	375	241	10156	27,01	93,1
chrX	70356720	70357803	MED12	NM_005120	45	45	38,39,40,41	151,197,78,218	4233	200453	184,92	100.0,100.0,100.0,100.0
chrX	70360380	70360586	MED12	NM_005120	45	45	42	223	520	23876	115,34	45,7
chrX	70361121	70361324	MED12	NM_005120	45	45	43	141	79	2547	12,49	70,9
chrX	70361637	70361858	MED12	NM_005120	45	45	44	82	784	35842	161,45	100
chrX	71571580	71571759	HDAC8	NM_018486	11	11	10	106	148	6423	35,68	100
chrX	71681875	71682063	HDAC8	NM_018486	11	11	9	95	259	12067	63,85	77,9
chrX	71684374	71684660	HDAC8	NM_018486	11	11	8	173	493	23297	81,17	100
chrX	71708724	71708951	HDAC8	NM_018486	11	11	7	109	342	14253	62,51	100
chrX	71710719	71710913	HDAC8	NM_018486	11	11	6	78	266	11665	59,82	100
chrX	71715018	71715206	HDAC8	NM_018486	11	11	5	113	501	21332	112,87	89,4
chrX	71787533	71787801	HDAC8	NM_018486	11	11	4	142	871	37340	138,81	44,4
chrX	71788535	71788747	HDAC8	NM_018486	11	11	3	131	453	20321	95,4	100
chrX	71791787	71791981	HDAC8	NM_018486	11	11	2	53	181	8281	42,47	100
chrX	71792550	71792759	HDAC8	NM_018486	11	11	1	111	448	14348	68,32	55,9
chrX	73641132	73641945	SLC16A2	NM_006517	6	6	1	430	253	11538	14,17	100
chrX	73740769	73740963	SLC16A2	NM_006517	6	6	2	145	1316	57121	292,93	95,9
chrX	73744225	73744662	SLC16A2	NM_006517	6	6	3	451	3428	157783	360,24	93,1
chrX	73745496	73745681	SLC16A2	NM_006517	6	6	4	144	871	38005	204,33	67,4
chrX	73748946	73749232	SLC16A2	NM_006517	6	6	5	229	2006	83423	290,67	80,8
chrX	73751203	73751501	SLC16A2	NM_006517	6	6	6	221	1919	84514	282,66	84,2
chrX	76763738	76764169	ATRX	NM_000489	35	35	35	279	518	24426	56,54	100
chrX	76776238	76776435	ATRX	NM_000489	35	35	34	129	105	4705	23,76	100
chrX	76776807	76776992	ATRX	NM_000489	35	35	33	96	223	9252	49,74	100
chrX	76777703	76777888	ATRX	NM_000489	35	35	32	126	391	17084	91,85	100
chrX	76778710	76778895	ATRX	NM_000489	35	35	31	150	267	11624	62,49	100
chrX	76812921	76813130	ATRX	NM_000489	35	35	30	195	245	10642	50,68	100
chrX	76814134	76814322	ATRX	NM_000489	35	35	29	178	473	20502	108,48	100
chrX	76829701	76829883	ATRX	NM_000489	35	35	28	109	530	22932	125,31	100
chrX	76845292	76845486	ATRX	NM_000489	35	35	27	107	147	6690	34,31	100
chrX	76849157	76849342	ATRX	NM_000489	35	35	26	154	977	42199	226,88	100
chrX	76854843	76855262	ATRX	NM_000489	35	35	25,24	170,89	1504	69187	164,73	100.0,69.7
chrX	76855879	76856052	ATRX	NM_000489	35	35	23	131	1231	49986	287,28	100
chrX	76871842	76872270	ATRX	NM_000489	35	35	22	118	341	16212	37,79	100
chrX	76874243	76874416	ATRX	NM_000489	35	35	21	176	349	13858	79,64	81,2
chrX	76875816	76876001	ATRX	NM_000489	35	35	20	138	159	6710	36,08	100
chrX	76888717	76889228	ATRX	NM_000489	35	35	19,18	178,147	888	41362	80,79	87.6,100.0
chrX	76890021	76890221	ATRX	NM_000489	35	35	17	110	589	25435	126,54	100
chrX	76891442	76891627	ATRX	NM_000489	35	35	16	142	100	4081	21,94	74,6
chrX	76907538	76907788	ATRX	NM_000489	35	35	15	240	614	26906	107,2	77,1
chrX	76909511	76909696	ATRX	NM_000489	35	35	14	103	260	12037	64,72	100
chrX	76911966	76912154	ATRX	NM_000489	35	35	13	94	135	5694	30,13	100
chrX	76918858	76919049	ATRX	NM_000489	35	35	12	177	94	3869	20,15	100
chrX	76920031	76920246	ATRX	NM_000489	35	35	11	134	400	17314	80,16	84,3
chrX	76931626	76931817	ATRX	NM_000489	35	35	10	73	617	27243	141,89	100
chrX	76936993	76940058	ATRX	NM_000489	35	35	9	3074	7560	367483	119,86	99,1
chrX	76940346	76940522	ATRX	NM_000489	35	35	8	68	748	32858	185,64	100
chrX	76944307	76944483	ATRX	NM_000489	35	35	7	110	347	15081	85,2	100
chrX	76949215	76949516	ATRX	NM_000489	35	35	6	114	193	9122	30,21	100

chrX	76952073	76952303	ATRX	NM_000489	35	35	5	128	250	11443	49,54	93,8
chrX	76953005	76953181	ATRX	NM_000489	35	35	4	53	470	20066	113,37	100
chrX	76953917	76954129	ATRX	NM_000489	35	35	3	56	429	18240	85,63	100
chrX	76972578	76972748	ATRX	NM_000489	35	35	2	113	202	8925	52,19	100
chrX	77086252	77086452	MAGT1	NM_032121	10	10	9	91	200	8862	44,09	100
chrX	77096664	77096852	MAGT1	NM_032121	10	10	8	75	443	18326	96,96	100
chrX	77109254	77109469	MAGT1	NM_032121	10	10	7	64	163	7308	33,83	100
chrX	77110927	77111112	MAGT1	NM_032121	10	10	6	90	592	26014	139,86	100
chrX	77112208	77112396	MAGT1	NM_032121	10	10	5	141	398	18189	96,24	100
chrX	77112814	77113020	MAGT1	NM_032121	10	10	4	141	801	35891	173,39	100
chrX	77126275	77126472	MAGT1	NM_032121	10	10	3	118	588	26092	131,78	100
chrX	77130882	77131088	MAGT1	NM_032121	10	10	2	170	1129	47852	231,17	96,5
chrX	77150863	77151051	MAGT1	NM_032121	10	10	1	198	403	16983	89,86	71,2
chrX	77227117	77227308	ATP7A	NM_000052	23	22	2	120	153	6330	32,97	100
chrX	77243707	77244197	ATP7A	NM_000052	23	22	3	490	2027	95143	193,77	93,9
chrX	77244723	77245471	ATP7A	NM_000052	23	22	4	726	1985	95777	127,87	100
chrX	77253947	77254150	ATP7A	NM_000052	23	22	5	207	510	22230	108,97	85
chrX	77258539	77258748	ATP7A	NM_000052	23	22	6	164	485	22399	106,66	100
chrX	77264543	77264897	ATP7A	NM_000052	23	22	7	162	1140	54240	152,79	100
chrX	77266604	77266798	ATP7A	NM_000052	23	22	8	77	171	7323	37,55	100
chrX	77266942	77267275	ATP7A	NM_000052	23	22	9	226	539	25189	75,42	100
chrX	77268388	77268659	ATP7A	NM_000052	23	22	10	234	1080	48645	178,84	94,9
chrX	77270158	77270361	ATP7A	NM_000052	23	22	11	92	418	17667	86,6	100
chrX	77271169	77271393	ATP7A	NM_000052	23	22	12	128	147	6497	28,88	100
chrX	77275678	77275899	ATP7A	NM_000052	23	22	13	155	840	35986	162,1	100
chrX	77276435	77276626	ATP7A	NM_000052	23	22	14	135	256	11407	59,41	100
chrX	77284719	77284913	ATP7A	NM_000052	23	22	15	195	651	29651	152,06	85,6
chrX	77286900	77287085	ATP7A	NM_000052	23	22	16	183	306	12420	66,77	98,9
chrX	77289031	77289326	ATP7A	NM_000052	23	22	17	217	624	27024	91,3	100
chrX	77294267	77294464	ATP7A	NM_000052	23	22	18	147	112	5165	26,09	89,1
chrX	77296047	77296250	ATP7A	NM_000052	23	22	19	143	450	18922	92,75	100
chrX	77298054	77298242	ATP7A	NM_000052	23	22	20	204	190	8397	44,43	78,4
chrX	77298824	77299027	ATP7A	NM_000052	23	22	21	118	278	10959	53,72	92,4
chrX	77300920	77301117	ATP7A	NM_000052	23	22	22	103	543	23084	116,59	100
chrX	77301714	77302157	ATP7A	NM_000052	23	22	23	277	1726	82326	185,42	100
chrX	77359679	77359858	PGK1	NM_000291	11	11	1	65	147	6353	35,29	32,3
chrX	77365363	77365533	PGK1	NM_000291	11	11	2	51	348	14386	84,13	100
chrX	77369297	77369553	PGK1	NM_000291	11	11	3,4	156.145	1003	44968	174,97	64.1,28.3
chrX	77369623	77369743	PGK1	NM_000291	11	11	4	145	217	8231	68,02	24,1
chrX	77372832	77373029	PGK1	NM_000291	11	11	5	104	658	29594	149,46	77,9
chrX	77373582	77373782	PGK1	NM_000291	11	11	6	120	133	6105	30,37	71,7
chrX	77378425	77378545	PGK1	NM_000291	11	11	7	115	115	3987	32,95	19,1
chrX	77378836	77378956	PGK1	NM_000291	11	11	8	180	160	6254	51,69	20
chrX	77380514	77380634	PGK1	NM_000291	11	11	9	178	139	5059	41,81	19,7
chrX	77380847	77381038	PGK1	NM_000291	11	11	10	99	218	8132	42,35	76,8
chrX	79932008	79932916	BRWD3	NM_153252	41	41	41	755	3960	188911	207,82	100
chrX	79936806	79937018	BRWD3	NM_153252	41	41	40	159	227	10265	48,19	100
chrX	79937417	79937611	BRWD3	NM_153252	41	41	39	98	316	14312	73,39	100
chrX	79937915	79938115	BRWD3	NM_153252	41	41	38	164	1002	43715	217,49	92,7
chrX	79939523	79939699	BRWD3	NM_153252	41	41	37	153	121	4812	27,19	90,8
chrX	79940912	79941094	BRWD3	NM_153252	41	41	36	75	257	10591	57,87	100
chrX	79942325	79942516	BRWD3	NM_153252	41	41	35	141	285	11765	61,28	100
chrX	79943438	79943626	BRWD3	NM_153252	41	41	34	57	377	15905	84,15	100
chrX	79945239	79945620	BRWD3	NM_153252	41	41	33,32	79.126	665	29815	78,05	100.0,100.0
chrX	79946526	79946711	BRWD3	NM_153252	41	41	31	121	202	8817	47,4	100
chrX	79947245	79947620	BRWD3	NM_153252	41	41	30,29	156,62	982	46123	122,67	100.0,53.2
chrX	79948397	79948591	BRWD3	NM_153252	41	41	28	112	672	28956	148,49	100

chrX	79951362	79951532	BRWD3	NM_153252	41	41	27	83	92	3751	21,94	100
chrX	79952193	79952396	BRWD3	NM_153252	41	41	26	125	826	34130	167,3	100
chrX	79955367	79955564	BRWD3	NM_153252	41	41	25	108	558	23132	116,83	100
chrX	79958908	79959120	BRWD3	NM_153252	41	41	24	114	367	15229	71,5	100
chrX	79960166	79960351	BRWD3	NM_153252	41	41	23	169	464	19526	104,98	100
chrX	79962896	79963078	BRWD3	NM_153252	41	41	22	77	1481	64352	351,65	100
chrX	79964910	79965104	BRWD3	NM_153252	41	41	21	150	773	34112	174,93	100
chrX	79971566	79971769	BRWD3	NM_153252	41	41	20	94	153	6731	33	100
chrX	79973031	79973243	BRWD3	NM_153252	41	41	19	187	535	23406	109,89	92
chrX	79975001	79975192	BRWD3	NM_153252	41	41	18	168	673	29069	151,4	92,3
chrX	79978039	79978310	BRWD3	NM_153252	41	41	17	226	298	12712	46,74	100
chrX	79979240	79979437	BRWD3	NM_153252	41	41	16	129	334	14895	75,23	100
chrX	79980380	79980577	BRWD3	NM_153252	41	41	15	135	444	17985	90,83	100
chrX	79984242	79984427	BRWD3	NM_153252	41	41	14	154	422	18408	98,97	100
chrX	79985378	79985554	BRWD3	NM_153252	41	41	13	105	510	21530	121,64	100
chrX	79988799	79989005	BRWD3	NM_153252	41	41	12	41	255	11149	53,86	100
chrX	79989542	79989721	BRWD3	NM_153252	41	41	11	101	798	34089	189,38	100
chrX	79990572	79990760	BRWD3	NM_153252	41	41	10	71	67	2916	15,43	100
chrX	79991466	79991651	BRWD3	NM_153252	41	41	9	101	117	5530	29,73	100
chrX	79999498	79999793	BRWD3	NM_153252	41	41	8	222	391	17288	58,41	100
chrX	80001050	80001247	BRWD3	NM_153252	41	41	7	161	135	6354	32,09	100
chrX	80047301	80047501	BRWD3	NM_153252	41	41	6	99	140	5802	28,87	100
chrX	80049053	80049277	BRWD3	NM_153252	41	41	5	151	1578	72387	321,72	100
chrX	80063913	80064119	BRWD3	NM_153252	41	41	4	60	239	9518	45,98	100
chrX	80064459	80064641	BRWD3	NM_153252	41	41	3	30	100	4776	26,1	100
chrX	80064723	80065062	BRWD3	NM_153252	41	41	2,1	59,31	275	12315	36,22	100,0,100,0
chrX	84502444	84502638	ZNF711	NM_021998	9	7	3	79	178	7523	38,58	75,9
chrX	84510250	84510826	ZNF711	NM_021998	9	7	4	543	1571	73637	127,62	100
chrX	84519264	84519452	ZNF711	NM_021998	9	7	5	156	424	18210	96,35	100
chrX	84520077	84520298	ZNF711	NM_021998	9	7	6	138	202	9091	40,95	100
chrX	84523295	84523471	ZNF711	NM_021998	9	7	7	48	540	21880	123,62	100
chrX	84525025	84525213	ZNF711	NM_021998	9	7	8	144	193	8399	44,44	88,9
chrX	84525613	84526924	ZNF711	NM_021998	9	7	9	1178	3234	154369	117,66	100
chrX	99551168	99551836	PCDH19	NM_001184880	6	6	6	599	2939	141367	211,31	93,8
chrX	99596811	99597032	PCDH19	NM_001184880	6	6	5	173	1084	46784	210,74	76,3
chrX	99605626	99605838	PCDH19	NM_001184880	6	6	4	59	396	17300	81,22	100
chrX	99657580	99657925	PCDH19	NM_001184880	6	6	3	328	819	36863	106,54	82,3
chrX	99658566	99658760	PCDH19	NM_001184880	6	6	2	141	803	33494	171,76	68,8
chrX	99661355	99663703	PCDH19	NM_001184880	6	6	1	2147	7058	342161	145,66	100
chrX	99901148	99901330	SRPX2	NM_014467	11	10	2	82	673	27408	149,77	13,4
chrX	99905670	99905846	SRPX2	NM_014467	11	10	3	81	340	14533	82,11	80,2
chrX	99917099	99917305	SRPX2	NM_014467	11	10	4	192	690	31246	150,95	69,3
chrX	99919743	99919913	SRPX2	NM_014467	11	10	5	177	507	21189	123,91	80,8
chrX	99920262	99920693	SRPX2	NM_014467	11	10	6,7	127,122	1796	84800	196,3	82,7,100,0
chrX	99921665	99921865	SRPX2	NM_014467	11	10	8	180	1088	49162	244,59	63,9
chrX	99922267	99922476	SRPX2	NM_014467	11	10	9	134	809	35329	168,23	100
chrX	99924145	99924339	SRPX2	NM_014467	11	10	10	122	322	14986	76,85	77,9
chrX	99925827	99926092	SRPX2	NM_014467	11	10	11	181	579	27724	104,23	87,3
chrX	100601604	100601724	TIMM8A	NM_004085	2	2	2	162	216	8581	70,92	27,8
chrX	100603380	100603749	TIMM8A	NM_004085	2	2	1	132	794	36315	98,15	100
chrX	102192158	102192278	RAB40AL	NM_001031834	1	1	1	837	43	1281	10,59	3,8
chrX	102192318	102192438	RAB40AL	NM_001031834	1	1	1	837	355	13750	113,64	14,5
chrX	102192940	102193063	RAB40AL	NM_001031834	1	1	1	837	106	3009	24,27	14,8
chrX	102193068	102193188	RAB40AL	NM_001031834	1	1	1	837	209	7924	65,49	1,9
chrX	103031768	103031995	PLP1	NM_001128834	8	7	2	4	96	4044	17,74	100
chrX	103040575	103040763	PLP1	NM_001128834	8	7	3	187	359	14082	74,51	65,8
chrX	103041329	103041609	PLP1	NM_001128834	8	7	4	262	369	16050	57,12	82,4

chrX	103042782	103042973	PLP1	NM_001128834	8	7	5	169	496	21277	110,82	67,5
chrX	103043374	103043556	PLP1	NM_001128834	8	7	6	74	411	17397	95,07	89,2
chrX	103044173	103044364	PLP1	NM_001128834	8	7	7	66	613	25768	134,21	100
chrX	103045380	103045666	PLP1	NM_001128834	8	7	8	72	1293	58985	205,52	100
chrX	106882585	106882791	PRPS1	NM_002764	7	7	2	184	217	8312	40,15	67,4
chrX	106884176	106884438	PRPS1	NM_002764	7	7	3	99	659	28929	110	55,6
chrX	106885620	106885814	PRPS1	NM_002764	7	7	4	125	622	25469	130,61	80,8
chrX	106888468	106888665	PRPS1	NM_002764	7	7	5	174	581	22922	115,77	64,9
chrX	106890872	106891078	PRPS1	NM_002764	7	7	6	160	352	15548	75,11	77,5
chrX	106893096	106893400	PRPS1	NM_002764	7	7	7	93	549	26117	85,63	100
chrX	108887120	108887462	ACSL4	NM_022977	17	14	17	158	923	44072	128,49	100
chrX	108902561	108902752	ACSL4	NM_022977	17	14	16	158	384	16225	84,51	100
chrX	108904728	108904910	ACSL4	NM_022977	17	14	15	115	1016	42640	233,01	100
chrX	108906429	108906635	ACSL4	NM_022977	17	14	14	192	523	23607	114,04	100
chrX	108908591	108908788	ACSL4	NM_022977	17	14	13	75	336	14995	75,73	100
chrX	108911300	108911530	ACSL4	NM_022977	17	14	12	173	251	10962	47,45	100
chrX	108912211	108912387	ACSL4	NM_022977	17	14	11	140	78	3315	18,73	89,3
chrX	108917563	108917751	ACSL4	NM_022977	17	14	10	72	66	2910	15,4	100
chrX	108921150	108921581	ACSL4	NM_022977	17	14	9,8	124.151	989	46388	107,38	100.0,58.3
chrX	108924204	108924626	ACSL4	NM_022977	17	14	7,6	139.110	774	35703	84,4	100.0,100.0
chrX	108925951	108926121	ACSL4	NM_022977	17	14	5	178	468	19324	113,01	96,1
chrX	108926371	108926808	ACSL4	NM_022977	17	14	4	351	1492	71385	162,98	98,3
chrX	110366248	110366430	PAK3	NM_001128168	16	16	1	175	126	5596	30,58	56,6
chrX	110385270	110385485	PAK3	NM_001128168	16	16	2	101	216	9810	45,42	100
chrX	110388015	110388218	PAK3	NM_001128168	16	16	3	63	459	20392	99,96	100
chrX	110389616	110389804	PAK3	NM_001128168	16	16	4	45	480	19685	104,15	100
chrX	110390950	110391141	PAK3	NM_001128168	16	16	5	154	264	11071	57,66	100
chrX	110395562	110395753	PAK3	NM_001128168	16	16	6	38	322	13779	71,77	100
chrX	110406111	110406317	PAK3	NM_001128168	16	16	7	132	124	5096	24,62	100
chrX	110406772	110406978	PAK3	NM_001128168	16	16	8	166	301	12399	59,9	100
chrX	110416147	110416332	PAK3	NM_001128168	16	16	9	64	372	15571	83,72	100
chrX	110435308	110435508	PAK3	NM_001128168	16	16	10	49	369	14776	73,51	100
chrX	110435656	110435844	PAK3	NM_001128168	16	16	11	113	33	1429	7,56	98,2
chrX	110437508	110437729	PAK3	NM_001128168	16	16	12	118	432	18825	84,8	100
chrX	110439031	110439210	PAK3	NM_001128168	16	16	13	100	357	14614	81,19	100
chrX	110439738	110439929	PAK3	NM_001128168	16	16	14	197	281	12197	63,53	66,5
chrX	110459614	110459826	PAK3	NM_001128168	16	16	15	138	211	8946	42	100
chrX	110463530	110463810	PAK3	NM_001128168	16	16	16	90	1302	60378	214,87	100
chrX	110544759	110545033	DCX	NM_000555	7	7	7	57	1609	76145	276,89	100
chrX	110555756	110555944	DCX	NM_000555	7	7	6	95	301	12208	64,59	78,9
chrX	110574025	110574228	DCX	NM_000555	7	7	5	123	287	12864	63,06	66,7
chrX	110576229	110576423	DCX	NM_000555	7	7	4	103	415	17997	92,29	100
chrX	110644192	110644573	DCX	NM_000555	7	7	3	341	909	43643	114,25	100
chrX	110653160	110653630	DCX	NM_000555	7	7	2	386	3244	158998	337,58	95,3
chrX	110653932	110654277	DCX	NM_000555	7	7	1	221	537	25375	73,34	100
chrX	115303427	115304726	AGTR2	NM_000686	3	1	3	1092	4672	226961	174,59	100
chrX	118708557	118709006	UBE2A	NM_003336	6	6	1,2	44,81	134	5985	13,3	100.0,100.0
chrX	118709262	118709438	UBE2A	NM_003336	6	6	3	26	390	17043	96,29	100
chrX	118715317	118715526	UBE2A	NM_003336	6	6	4	90	412	16638	79,23	63,3
chrX	118716503	118716682	UBE2A	NM_003336	6	6	5	89	134	5816	32,31	100
chrX	118717035	118717309	UBE2A	NM_003336	6	6	6	129	641	27497	99,99	100
chrX	118968783	118969054	UPF3B	NM_080632	11	11	11	150	1600	73136	268,88	100
chrX	118971708	118971970	UPF3B	NM_080632	11	11	10	295	1031	44807	170,37	85,1
chrX	118972294	118972473	UPF3B	NM_080632	11	11	9	161	465	19330	107,39	89,4
chrX	118974455	118974667	UPF3B	NM_080632	11	11	8	39	722	29328	137,69	100
chrX	118975089	118975304	UPF3B	NM_080632	11	11	7	183	249	10768	49,85	72,7
chrX	118975694	118975885	UPF3B	NM_080632	11	11	6	44	664	26617	138,63	100

chrX	118977048	118977242	UPF3B	NM_080632	11	11	5	111	561	23212	119,04	80,2
chrX	118979166	118979363	UPF3B	NM_080632	11	11	4	99	171	6127	30,94	94,9
chrX	118985375	118985818	UPF3B	NM_080632	11	11	3,2	107.107	206	9455	21,3	100,0.83.2
chrX	118986776	118986958	UPF3B	NM_080632	11	11	1	156	525	19696	107,63	74,4
chrX	119005733	119005992	NDUFA1	NM_004541	3	3	1	102	886	40706	156,56	100
chrX	119007238	119007456	NDUFA1	NM_004541	3	3	2	90	2291	97365	444,59	100
chrX	119010434	119010604	NDUFA1	NM_004541	3	3	3	21	438	19160	112,05	100
chrX	119562257	119562537	LAMP2	NM_001122606	9	9	9	143	388	18294	65,1	100
chrX	119575587	119575790	LAMP2	NM_001122606	9	9	8	165	627	27476	134,69	98,8
chrX	119576361	119576549	LAMP2	NM_001122606	9	9	7	64	804	34134	180,6	100
chrX	119580135	119580362	LAMP2	NM_001122606	9	9	6	123	257	9741	42,72	100
chrX	119581747	119581953	LAMP2	NM_001122606	9	9	5	185	103	4543	21,95	72,4
chrX	119582767	119582958	LAMP2	NM_001122606	9	9	4	159	239	10804	56,27	84,3
chrX	119589275	119589475	LAMP2	NM_001122606	9	9	3	214	698	31125	154,85	70,6
chrX	119590518	119590721	LAMP2	NM_001122606	9	9	2	119	130	5239	25,68	89,9
chrX	119602973	119603185	LAMP2	NM_001122606	9	9	1	64	187	7037	33,04	81,2
chrX	119660490	119660767	CUL4B	NM_003588	22	21	22	96	634	29140	104,82	100
chrX	119663926	119664117	CUL4B	NM_003588	22	21	21	153	670	28386	147,84	100
chrX	119666322	119666522	CUL4B	NM_003588	22	21	20	173	1082	48514	241,36	74
chrX	119668243	119668458	CUL4B	NM_003588	22	21	19	106	182	8354	38,68	100
chrX	119669656	119669835	CUL4B	NM_003588	22	21	18	114	935	41044	228,02	100
chrX	119670720	119670899	CUL4B	NM_003588	22	21	17	108	315	13523	75,13	100
chrX	119671859	119672065	CUL4B	NM_003588	22	21	16	86	218	9803	47,36	100
chrX	119672445	119672633	CUL4B	NM_003588	22	21	15	111	470	20524	108,59	100
chrX	119673146	119673319	CUL4B	NM_003588	22	21	14	105	480	19545	112,33	78,1
chrX	119674199	119674381	CUL4B	NM_003588	22	21	13	193	309	13248	72,39	81,3
chrX	119675385	119675579	CUL4B	NM_003588	22	21	12	119	389	17305	88,74	100
chrX	119676757	119676963	CUL4B	NM_003588	22	21	11	68	167	7475	36,11	100
chrX	119677552	119677767	CUL4B	NM_003588	22	21	10	83	480	21215	98,22	100
chrX	119677892	119678086	CUL4B	NM_003588	22	21	9	90	354	14970	76,77	100
chrX	119678253	119678456	CUL4B	NM_003588	22	21	8	163	822	31107	152,49	74,2
chrX	119679247	119679423	CUL4B	NM_003588	22	21	7	74	144	5038	28,46	100
chrX	119680393	119680611	CUL4B	NM_003588	22	21	6	70	657	28900	131,96	100
chrX	119680927	119681127	CUL4B	NM_003588	22	21	5	104	139	6034	30,02	100
chrX	119691772	119691951	CUL4B	NM_003588	22	21	4	116	252	11028	61,27	100
chrX	119693799	119694500	CUL4B	NM_003588	22	21	3	543	1954	89561	127,58	100
chrX	119708359	119708583	CUL4B	NM_003588	22	21	2	67	1274	57188	254,17	100
chrX	122318230	122318495	GRIA3	NM_000828	16	15	1	109	308	12656	47,58	99,1
chrX	122319737	122319907	GRIA3	NM_000828	16	15	2	159	1596	66204	387,16	66,7
chrX	122387187	122387482	GRIA3	NM_000828	16	15	3	240	903	40967	138,4	86,2
chrX	122459936	122460127	GRIA3	NM_000828	16	15	4	188	448	19759	102,91	68,6
chrX	122488684	122488878	GRIA3	NM_000828	16	15	5	54	635	27029	138,61	100
chrX	122528745	122528924	GRIA3	NM_000828	16	15	6	162	102	4656	25,87	65,4
chrX	122532539	122532724	GRIA3	NM_000828	16	15	7	168	132	5835	31,37	69
chrX	122536748	122536951	GRIA3	NM_000828	16	15	8	105	347	14999	73,52	100
chrX	122537153	122537344	GRIA3	NM_000828	16	15	9	108	1169	49790	259,32	75,9
chrX	122538534	122538731	GRIA3	NM_000828	16	15	10	207	175	8036	40,59	83,6
chrX	122551259	122551773	GRIA3	NM_000828	16	15	11	377	876	41733	81,03	98,4
chrX	122561829	122562026	GRIA3	NM_000828	16	15	12	199	589	25933	130,97	81,4
chrX	122598642	122598931	GRIA3	NM_000828	16	15	13	248	691	31247	107,75	87,1
chrX	122599636	122599756	GRIA3	NM_000828	16	15	14	115	179	7095	58,64	3,5
chrX	122616689	122616960	GRIA3	NM_000828	16	15	15	246	570	27863	102,44	84,1
chrX	128674230	128674424	OCRL	NM_000276	24	24	1	39	8	356	1,83	20,5
chrX	128674699	128674893	OCRL	NM_000276	24	24	2	80	692	30732	157,6	100
chrX	128678802	128679017	OCRL	NM_000276	24	24	3	80	555	24228	112,17	100
chrX	128682422	128682613	OCRL	NM_000276	24	24	4	39	207	9066	47,22	100
chrX	128691250	128691468	OCRL	NM_000276	24	24	5	111	194	7893	36,04	100

chrX	128691746	128691940	OCRL	NM_000276	24	24	6	90	504	22276	114,24	100
chrX	128692538	128692898	OCRL	NM_000276	24	24	7,8	121.162	689	32805	90,87	100,0,50.6
chrX	128694492	128694692	OCRL	NM_000276	24	24	9	102	394	18226	90,68	100
chrX	128695112	128695327	OCRL	NM_000276	24	24	10	115	221	9409	43,56	100
chrX	128696266	128696721	OCRL	NM_000276	24	24	11,12	117.188	1715	80853	177,31	100,0,77.7
chrX	128699680	128699862	OCRL	NM_000276	24	24	13	112	491	21467	117,31	100
chrX	128701221	128701406	OCRL	NM_000276	24	24	14	110	443	17532	94,26	100
chrX	128703205	128703405	OCRL	NM_000276	24	24	15	136	1071	45405	225,9	100
chrX	128709026	128709202	OCRL	NM_000276	24	24	16	111	319	13086	73,93	77,5
chrX	128709799	128709981	OCRL	NM_000276	24	24	17	166	829	37041	202,41	65,1
chrX	128710232	128710527	OCRL	NM_000276	24	24	18	236	795	36570	123,55	99,2
chrX	128718262	128718456	OCRL	NM_000276	24	24	19	24	780	32067	164,45	100
chrX	128720719	128721082	OCRL	NM_000276	24	24	20	117	846	36880	101,32	88,9
chrX	128722133	128722327	OCRL	NM_000276	24	24	21	85	432	17698	90,76	100
chrX	128722853	128723059	OCRL	NM_000276	24	24	22	128	993	43143	208,42	100
chrX	128723801	128724007	OCRL	NM_000276	24	24	23	112	1087	47409	229,03	100
chrX	128724160	128724354	OCRL	NM_000276	24	24	24	125	711	29464	151,1	70,4
chrX	128940238	128940408	ZDHHC9	NM_001008222	10	9	10	117	633	26787	156,65	53,8
chrX	128944786	128945007	ZDHHC9	NM_001008222	10	9	9	97	175	7529	33,91	100
chrX	128945318	128945527	ZDHHC9	NM_001008222	10	9	8	104	2471	109730	522,52	100
chrX	128946635	128946847	ZDHHC9	NM_001008222	10	9	7	103	313	13811	64,84	100
chrX	128947621	128947794	ZDHHC9	NM_001008222	10	9	6	49	351	15174	87,21	100
chrX	128948647	128948877	ZDHHC9	NM_001008222	10	9	5	138	434	19600	84,85	90,6
chrX	128957561	128957767	ZDHHC9	NM_001008222	10	9	4	159	322	13890	67,1	71,1
chrX	128962864	128963076	ZDHHC9	NM_001008222	10	9	3	161	901	39575	185,8	74,5
chrX	128975784	128975972	ZDHHC9	NM_001008222	10	9	2	167	363	15659	82,85	82,6
chrX	129263365	129263535	AIFM1	NM_004208	16	16	16	72	258	10736	62,78	5,6
chrX	129263876	129264070	AIFM1	NM_004208	16	16	15	197	775	33820	173,44	64
chrX	129265638	129265838	AIFM1	NM_004208	16	16	14	125	1893	87799	436,81	100
chrX	129267330	129267512	AIFM1	NM_004208	16	16	13	143	137	6085	33,25	70,6
chrX	129270061	129270258	AIFM1	NM_004208	16	16	12	141	316	13295	67,15	70,9
chrX	129270489	129270713	AIFM1	NM_004208	16	16	11	89	484	21275	94,56	100
chrX	129270960	129271655	AIFM1	NM_004208	16	16	10	108	1210	58147	83,54	100
chrX	129272515	129272730	AIFM1	NM_004208	16	16	9	109	212	8798	40,73	100
chrX	129273662	129273838	AIFM1	NM_004208	16	16	8	77	749	30408	171,8	89,6
chrX	129274449	129274640	AIFM1	NM_004208	16	16	7	85	660	26944	140,33	100
chrX	129279473	129279649	AIFM1	NM_004208	16	16	6	91	183	7689	43,44	79,1
chrX	129281508	129281939	AIFM1	NM_004208	16	16	5,4	131.125	1167	54499	126,16	69.5,100.0
chrX	129283387	129283596	AIFM1	NM_004208	16	16	3	100	646	27918	132,94	100
chrX	129290477	129290659	AIFM1	NM_004208	16	16	2	143	259	11247	61,46	70,6
chrX	129299574	129299762	AIFM1	NM_004208	16	16	1	106	513	21079	111,53	53,8
chrX	132670052	132670350	GPC3	NM_001164617	9	9	9	170	635	27377	91,56	100
chrX	132730379	132730603	GPC3	NM_001164617	9	9	8	160	945	40993	182,19	85
chrX	132795741	132795941	GPC3	NM_001164617	9	9	7	121	367	15741	78,31	100
chrX	132826343	132826564	GPC3	NM_001164617	9	9	6	126	253	11070	49,86	100
chrX	132833844	132834041	GPC3	NM_001164617	9	9	5	134	17	740	3,74	88,8
chrX	132838193	132838399	GPC3	NM_001164617	9	9	4	69	311	13199	63,76	100
chrX	132887545	132888222	GPC3	NM_001164617	9	9	3	695	1885	88327	130,28	94,8
chrX	133087069	133087263	GPC3	NM_001164617	9	9	2	162	757	33328	170,91	100
chrX	133119330	133119533	GPC3	NM_001164617	9	9	1	175	8	333	1,63	84
chrX	133511573	133511764	PHF6	NM_032458	10	9	2	138	177	7760	40,42	84,8
chrX	133512027	133512200	PHF6	NM_032458	10	9	3	102	148	6596	37,91	100
chrX	133527479	133527667	PHF6	NM_032458	10	9	4	134	305	13290	70,32	100
chrX	133527863	133528057	PHF6	NM_032458	10	9	5	44	314	12282	62,98	100
chrX	133547559	133548079	PHF6	NM_032458	10	9	6,7	167.144	833	40012	76,8	77.2,100.0
chrX	133548982	133549256	PHF6	NM_032458	10	9	8	105	420	17605	64,02	100
chrX	133551203	133551477	PHF6	NM_032458	10	9	9	134	599	28117	102,24	97

chrX	133559143	133559500	PHF6	NM_032458	10	9	10	130	600	28418	79,38	100
chrX	133594182	133594376	HPRT1	NM_000194	9	9	1	27	18	763	3,91	100
chrX	133607377	133607565	HPRT1	NM_000194	9	9	2	107	169	7136	37,76	100
chrX	133609259	133609471	HPRT1	NM_000194	9	9	3	184	164	7293	34,24	73,9
chrX	133620509	133620718	HPRT1	NM_000194	9	9	4	66	137	6154	29,3	78,8
chrX	133624195	133624389	HPRT1	NM_000194	9	9	5	18	136	6201	31,8	100
chrX	133627493	133627681	HPRT1	NM_000194	9	9	6	83	359	15242	80,65	100
chrX	133632354	133632661	HPRT1	NM_000194	9	9	7,8	47,77	290	13224	42,94	100,0,31.2
chrX	133634076	133634270	HPRT1	NM_000194	9	9	9	48	249	11299	57,94	66,7
chrX	135067657	135068029	SLC9A6	NM_001042537	16	16	1	325	1024	47704	127,89	100
chrX	135076887	135077084	SLC9A6	NM_001042537	16	16	2	200	252	10827	54,68	70
chrX	135080274	135080462	SLC9A6	NM_001042537	16	16	3	78	76	2906	15,38	91
chrX	135080563	135080754	SLC9A6	NM_001042537	16	16	4	77	140	5459	28,43	100
chrX	135080985	135081170	SLC9A6	NM_001042537	16	16	5	113	316	12516	67,29	100
chrX	135084249	135084437	SLC9A6	NM_001042537	16	16	6	106	652	27223	144,04	100
chrX	135092541	135092756	SLC9A6	NM_001042537	16	16	7	142	1031	45079	208,7	100
chrX	135095003	135095185	SLC9A6	NM_001042537	16	16	8	106	265	11408	62,34	73,6
chrX	135095427	135095627	SLC9A6	NM_001042537	16	16	9	89	333	12981	64,58	100
chrX	135098769	135098945	SLC9A6	NM_001042537	16	16	10	114	166	7104	40,14	100
chrX	135104763	135104963	SLC9A6	NM_001042537	16	16	11	112	448	18237	90,73	83,9
chrX	135106501	135106683	SLC9A6	NM_001042537	16	16	12	154	278	11776	64,35	92,2
chrX	135112250	135112480	SLC9A6	NM_001042537	16	16	13	31	632	24268	105,06	100
chrX	135115521	135115697	SLC9A6	NM_001042537	16	16	14	80	136	5412	30,58	100
chrX	135122262	135122432	SLC9A6	NM_001042537	16	16	15	106	32	1438	8,41	74,5
chrX	135126625	135126985	SLC9A6	NM_001042537	16	16	16	273	1161	54373	150,62	94,9
chrX	135750042	135750387	ARHGEF6	NM_004840	22	22	22	141	1149	55302	159,83	100
chrX	135751579	135751758	ARHGEF6	NM_004840	22	22	21	55	449	20083	111,57	100
chrX	135754167	135754370	ARHGEF6	NM_004840	22	22	20	100	376	16881	82,75	100
chrX	135757071	135757292	ARHGEF6	NM_004840	22	22	19	90	362	16334	73,58	100
chrX	135758744	135758920	ARHGEF6	NM_004840	22	22	18	94	349	13577	76,71	100
chrX	135759977	135760165	ARHGEF6	NM_004840	22	22	17	21	595	24787	131,15	100
chrX	135761611	135761787	ARHGEF6	NM_004840	22	22	16	126	327	13934	78,72	74,6
chrX	135762847	135763071	ARHGEF6	NM_004840	22	22	15	146	1149	49261	218,94	100
chrX	135764008	135764217	ARHGEF6	NM_004840	22	22	14	79	597	25137	119,7	100
chrX	135764850	135765047	ARHGEF6	NM_004840	22	22	13	87	354	14789	74,69	100
chrX	135767835	135768035	ARHGEF6	NM_004840	22	22	12	147	2074	91697	456,2	100
chrX	135770086	135770286	ARHGEF6	NM_004840	22	22	11	60	328	14304	71,16	100
chrX	135772740	135772922	ARHGEF6	NM_004840	22	22	10	139	440	17714	96,8	100
chrX	135789030	135789215	ARHGEF6	NM_004840	22	22	9	123	354	14914	80,18	100
chrX	135790775	135790966	ARHGEF6	NM_004840	22	22	8	96	971	41999	218,74	100
chrX	135795396	135795566	ARHGEF6	NM_004840	22	22	7	95	350	13868	81,1	100
chrX	135814210	135814398	ARHGEF6	NM_004840	22	22	6	71	227	9360	49,52	100
chrX	135825816	135826001	ARHGEF6	NM_004840	22	22	5	202	576	24965	134,22	64,4
chrX	135827337	135827558	ARHGEF6	NM_004840	22	22	4	125	842	36477	164,31	100
chrX	135829590	135829772	ARHGEF6	NM_004840	22	22	3	85	229	9927	54,25	100
chrX	135861502	135861723	ARHGEF6	NM_004840	22	22	2	84	276	12134	54,66	100
chrX	135862923	135863108	ARHGEF6	NM_004840	22	22	1	165	546	22322	120,01	72,1
chrX	139585804	139586727	SOX3	NM_005634	1	1	1	1341	615	27873	30,17	62,9
chrX	139586785	139587234	SOX3	NM_005634	1	1	1	1341	205	8200	18,22	32,9
chrX	146993623	146993808	FMR1	NM_002024	17	17	1	51	87	3536	19,01	100
chrX	147003421	147003648	FMR1	NM_002024	17	17	2	53	193	8011	35,14	100
chrX	147006962	147007171	FMR1	NM_002024	17	17	3	94	306	13518	64,37	100
chrX	147009805	147009990	FMR1	NM_002024	17	17	4	72	193	7870	42,31	100
chrX	147010192	147010374	FMR1	NM_002024	17	17	5	149	350	15282	83,51	89,9
chrX	147011861	147011836	FMR1	NM_002024	17	17	6,7	94.117	885	40640	108,09	100,0,100.0
chrX	147013896	147014262	FMR1	NM_002024	17	17	8,9	171,79	912	42807	116,64	100,0,74.7
chrX	147017983	147018174	FMR1	NM_002024	17	17	10	110	210	9304	48,46	100

chrX	147018930	147019121	FMR1	NM_002024	17	17	11	135	261	10891	56,72	100
chrX	147019512	147019724	FMR1	NM_002024	17	17	12	63	202	8712	40,9	100
chrX	147021986	147022186	FMR1	NM_002024	17	17	13	87	437	18340	91,24	100
chrX	147024627	147024812	FMR1	NM_002024	17	17	14	196	404	17283	92,92	82,7
chrX	147026331	147026504	FMR1	NM_002024	17	17	15	183	244	9592	55,13	63,4
chrX	147026994	147027191	FMR1	NM_002024	17	17	16	83	242	10802	54,56	100
chrX	147030166	147030440	FMR1	NM_002024	17	17	17	162	1153	53403	194,19	100
chrX	147582439	147582737	AFF2	NM_002025	21	21	1	47	248	10665	35,67	100
chrX	147733305	147733677	AFF2	NM_002025	21	21	2	133	328	14956	40,1	100
chrX	147743353	147744303	AFF2	NM_002025	21	21	3	861	5938	287422	302,23	100
chrX	147891327	147891512	AFF2	NM_002025	21	21	4	45	142	6165	33,15	100
chrX	147919110	147919313	AFF2	NM_002025	21	21	5	87	517	22999	112,74	100
chrX	147924407	147924607	AFF2	NM_002025	21	21	6	37	630	25889	128,8	100
chrX	147924885	147925091	AFF2	NM_002025	21	21	7	52	191	8505	41,09	100
chrX	147967309	147967491	AFF2	NM_002025	21	21	8	97	1190	50448	275,67	75,3
chrX	147985673	147985867	AFF2	NM_002025	21	21	9	38	71	3218	16,5	100
chrX	148035014	148035244	AFF2	NM_002025	21	21	10	160	915	38830	168,1	84,4
chrX	148037092	148038077	AFF2	NM_002025	21	21	11	1011	6092	297535	301,76	93,5
chrX	148039782	148039952	AFF2	NM_002025	21	21	12	122	884	37549	219,58	70,5
chrX	148044200	148044468	AFF2	NM_002025	21	21	13	223	463	21033	78,19	100
chrX	148048258	148048538	AFF2	NM_002025	21	21	14	290	3252	150961	537,23	75,5
chrX	148049156	148049362	AFF2	NM_002025	21	21	15	64	445	19779	95,55	100
chrX	148054995	148055213	AFF2	NM_002025	21	21	16	137	1482	64930	296,48	100
chrX	148059338	148059523	AFF2	NM_002025	21	21	17	72	347	14515	78,04	84,7
chrX	148059793	148059987	AFF2	NM_002025	21	21	18	94	1354	60099	308,2	100
chrX	148062241	148062468	AFF2	NM_002025	21	21	19	53	200	8787	38,54	100
chrX	148068966	148069160	AFF2	NM_002025	21	21	20	191	743	33403	171,3	63,9
chrX	148072650	148072945	AFF2	NM_002025	21	21	21	122	698	30836	104,18	100
chrX	148564181	148564790	IDS	NM_000202	9	9	9	473	2172	105231	172,51	100
chrX	148568393	148568842	IDS	NM_000202	9	9	8	174	705	33485	74,41	100
chrX	148571882	148572067	IDS	NM_000202	9	9	7	127	598	24259	130,42	70,9
chrX	148577801	148577989	IDS	NM_000202	9	9	6	171	509	22046	116,65	66,1
chrX	148579685	148579912	IDS	NM_000202	9	9	5	201	618	27328	119,86	76,6
chrX	148582417	148582623	IDS	NM_000202	9	9	4	89	431	18652	90,11	100
chrX	148585714	148585905	IDS	NM_000202	9	9	2	137	279	11099	57,81	80,3
chrX	148586500	148586786	IDS	NM_000202	9	9	1	103	113	5009	17,45	100
chrX	152014735	152014929	NSDHL	NM_001129765	9	7	3	108	215	9467	48,55	56,5
chrX	152018799	152018996	NSDHL	NM_001129765	9	7	4	159	147	6034	30,47	100
chrX	152027244	152027447	NSDHL	NM_001129765	9	7	5	147	352	14843	72,76	91,2
chrX	152031139	152031339	NSDHL	NM_001129765	9	7	6	129	632	28932	143,94	100
chrX	152034387	152034605	NSDHL	NM_001129765	9	7	7	143	897	39593	180,79	83,2
chrX	152036011	152036205	NSDHL	NM_001129765	9	7	8	103	275	11665	59,82	88,3
chrX	152037296	152037748	NSDHL	NM_001129765	9	7	9	333	2826	128605	283,9	100
chrX	152953948	152954068	SLC6A8	NM_005629	13	13	1	262	0	0	0	14,9
chrX	152958610	152958780	SLC6A8	NM_005629	13	13	5,6	135.104	170	6035	35,29	15,6,60.6
chrX	152960037	152960207	SLC6A8	NM_005629	13	13	11,12	101.171	13	427	2,5	51.5,19.9
chrX	152990603	152991680	ABCD1	NM_000033	10	10	1	900	681	32354	30,01	100
chrX	152994683	152995126	ABCD1	NM_000033	10	10	2	181	585	26680	60,09	100
chrX	153001492	153001926	ABCD1	NM_000033	10	10	3,4	143.169	782	35812	82,33	100,0,75.7
chrX	153002539	153002715	ABCD1	NM_000033	10	10	5	95	208	8975	50,71	100
chrX	153005581	153005790	ABCD1	NM_000033	10	10	6	146	311	12449	59,28	76
chrX	153009159	153009279	ABCD1	NM_000033	10	10	10	247	15	680	5,62	12,6
chrX	153128007	153128308	L1CAM	NM_000425	28	28	28	232	671	30101	99,67	82,3
chrX	153128840	153129049	L1CAM	NM_000425	28	28	26	73	161	6880	32,76	100
chrX	153129313	153129489	L1CAM	NM_000425	28	28	25	135	38	1568	8,86	100
chrX	153129784	153131003	L1CAM	NM_000425	28	28	24,23,22,21,20	156.120.174.123.202	1662	77868	63,83	95.5,100.0,100.0,100.0,100.0
chrX	153131191	153131391	L1CAM	NM_000425	28	28	19	116	208	8420	41,89	72,4

chrX	153132096	153132622	L1CAM	NM_000425	28	28	18,17	223,71	923	43402	82,36	100.0,100.0
chrX	153132863	153133060	L1CAM	NM_000425	28	28	16	198	223	9142	46,17	73,7
chrX	153133316	153134455	L1CAM	NM_000425	28	28	15,14,13,12,11	111.125.157.167.112	3400	166233	145,82	45.0,100.0,100.0,100.0,100.0
chrX	153135024	153136036	L1CAM	NM_000425	28	28	10,9,8,7	144.132.185.112	1791	83918	82,84	66.0,100.0,100.0,100.0
chrX	153136204	153136629	L1CAM	NM_000425	28	28	6,5	171.123	530	24276	56,99	100.0,95.9
chrX	153137613	153137792	L1CAM	NM_000425	28	28	4	203	262	10998	61,1	88,7
chrX	153137939	153138154	L1CAM	NM_000425	28	28	3	106	497	20907	96,79	100
chrX	153138628	153138807	L1CAM	NM_000425	28	28	2	15	168	7191	39,95	100
chrX	153141044	153141386	L1CAM	NM_000425	28	28	1	76	192	9098	26,52	100
chrX	153195332	153195701	NAA10	NM_003491	8	8	8	237	367	17130	46,3	100
chrX	153196221	153196433	NAA10	NM_003491	8	8	7	85	451	19847	93,18	94,1
chrX	153197430	153197606	NAA10	NM_003491	8	8	6	45	258	11419	64,51	100
chrX	153197725	153198011	NAA10	NM_003491	8	8	5,4	116,46	548	25420	88,57	100.0,43.5
chrX	153199282	153199488	NAA10	NM_003491	8	8	3	59	116	5211	25,17	100
chrX	153199763	153199966	NAA10	NM_003491	8	8	2	99	330	14005	68,65	100
chrX	153214751	153215111	HCFC1	NM_005334	26	26	26,25	40,64	729	34303	95,02	100.0,100.0
chrX	153215708	153216095	HCFC1	NM_005334	26	26	24	301	491	21708	55,95	95,3
chrX	153216262	153216471	HCFC1	NM_005334	26	26	23	186	179	7945	37,83	100
chrX	153216737	153217565	HCFC1	NM_005334	26	26	22,21,20	138.119.318	782	35569	42,91	100.0,100.0,86.2
chrX	153217987	153218569	HCFC1	NM_005334	26	26	19	445	520	24083	41,31	95,1
chrX	153219051	153219233	HCFC1	NM_005334	26	26	18	164	122	5014	27,4	100
chrX	153219589	153221066	HCFC1	NM_005334	26	26	17	1477	1167	54433	36,83	95,1
chrX	153221680	153221960	HCFC1	NM_005334	26	26	16	221	91	3775	13,43	82,8
chrX	153222148	153222588	HCFC1	NM_005334	26	26	15,14	139.143	411	18239	41,36	48.2,100.0
chrX	153222659	153222960	HCFC1	NM_005334	26	26	13	220	418	18266	60,48	89,1
chrX	153223191	153223699	HCFC1	NM_005334	26	26	12,11	105.225	760	33244	65,31	100.0,99.6
chrX	153223949	153224158	HCFC1	NM_005334	26	26	10	198	534	24476	116,55	70,2
chrX	153224833	153225006	HCFC1	NM_005334	26	26	9	161	263	11261	64,72	68,3
chrX	153225276	153225873	HCFC1	NM_005334	26	26	8,7	360.180	328	14543	24,32	93.6,100.0
chrX	153227020	153227199	HCFC1	NM_005334	26	26	6	107	566	23862	132,57	74,8
chrX	153227668	153227868	HCFC1	NM_005334	26	26	5	85	961	43262	215,23	100
chrX	153228724	153228915	HCFC1	NM_005334	26	26	4	209	487	21428	111,6	77
chrX	153229491	153229679	HCFC1	NM_005334	26	26	3	161	154	6446	34,11	65,2
chrX	153229951	153230142	HCFC1	NM_005334	26	26	2	149	422	18264	95,13	76,5
chrX	153236052	153236362	HCFC1	NM_005334	26	26	1	193	231	9861	31,71	100
chrX	153295728	153296918	MECP2	NM_001110792	3	3	3	1084	3007	142152	119,36	100
chrX	153297637	153298024	MECP2	NM_001110792	3	3	2	351	707	33373	86,01	100
chrX	153363048	153363239	MECP2	NM_001110792	3	3	1	62	13	518	2,7	100
chrX	153576897	153577355	FLNA	NM_001110556	48	47	48	188	347	15154	33,02	73,9
chrX	153577777	153578599	FLNA	NM_001110556	48	47	47,46,45	204.219.177	1034	48993	59,53	77.0,100.0,100.0
chrX	153579278	153579478	FLNA	NM_001110556	48	47	44	133	96	4312	21,45	99,2
chrX	153579978	153580157	FLNA	NM_001110556	48	47	43	116	400	16697	92,76	75
chrX	153580200	153582080	FLNA	NM_001110556	48	47	42,41,40,39,38,37,36	138.267.123.153.204.000.000	2708	125270	66,6	100.0,100.0,100.0,100.0,100.0,100.0,91.4
chrX	153582284	153583432	FLNA	NM_001110556	48	47	35,34,33,32,31	129.141.103.96,248	1653	78165	68,03	99.2,100.0,100.0,100.0,96.8
chrX	153585670	153586036	FLNA	NM_001110556	48	47	29	190	872	42044	114,56	100
chrX	153586646	153586991	FLNA	NM_001110556	48	47	28,27	157.124	687	31567	91,23	49.7,100.0
chrX	153587261	153588901	FLNA	NM_001110556	48	47	26,25,24,23,22	171.161.163.174.598	2153	100346	61,15	100.0,100.0,100.0,100.0,91.0
chrX	153589685	153590205	FLNA	NM_001110556	48	47	21,20	263.118	2067	99094	190,2	96.6,100.0
chrX	153590314	153591154	FLNA	NM_001110556	48	47	19,18,17,16	170.91,161,124	967	45371	53,95	100.0,100.0,100.0,100.0
chrX	153592318	153593807	FLNA	NM_001110556	48	47	15,14,13,12,11,10	144.114.194.137.124.000	2751	129929	87,2	100.0,100.0,100.0,100.0,100.0,65.9
chrX	153594447	153595272	FLNA	NM_001110556	48	47	9,8,7,6	201.163,78,119	1037	47895	57,98	72.6,100.0,100.0,100.0
chrX	153595696	153596376	FLNA	NM_001110556	48	47	5,4,3	148,98,249	1224	53194	78,11	100.0,100.0,67.1
chrX	153599253	153599441	FLNA	NM_001110556	48	47	2	373	459	19710	104,29	50,7
chrX	153599508	153599693	FLNA	NM_001110556	48	47	2	373	92	2473	13,3	28,4
chrX	153665453	153665730	GDI1	NM_001493	11	11	1	45	21	921	3,31	100
chrX	153666519	153667454	GDI1	NM_001493	11	11	2,3,4	108.100.135	2022	97341	104	100.0,100.0,76.3
chrX	153668008	153668427	GDI1	NM_001493	11	11	5	199	1699	78113	185,98	70,4

chrX	153668756	153668959	GDI1	NM_001493	11	11	6	132	1361	61146	299,74	74,2
chrX	153669389	153669583	GDI1	NM_001493	11	11	7	100	125	5120	26,26	100
chrX	153670024	153670212	GDI1	NM_001493	11	11	8	172	759	35902	189,96	68,6
chrX	153670374	153671149	GDI1	NM_001493	11	11	9,10,11	145,55,153	3865	181373	233,73	100.0,100.0,100.0
chrX	153770468	153770656	IKBKG	NM_001099856	10	10	1	189	1058	44589	235,92	94,2
chrX	153780135	153780332	IKBKG	NM_001099856	10	10	2	202	671	29547	149,23	64,4
chrX	153993044	153993256	DKC1	NM_001363	15	15	2	68	294	13529	63,52	100
chrX	153993670	153993858	DKC1	NM_001363	15	15	3	87	538	22976	121,57	100
chrX	153994067	153994279	DKC1	NM_001363	15	15	4	92	274	11757	55,2	100
chrX	153994446	153994667	DKC1	NM_001363	15	15	5	185	227	9623	43,35	95,7
chrX	153995140	153995334	DKC1	NM_001363	15	15	6	65	251	10936	56,08	96,9
chrX	153995535	153995720	DKC1	NM_001363	15	15	7	127	205	8134	43,73	96,9
chrX	153996449	153996883	DKC1	NM_001363	15	15	8	131	2632	124325	285,8	100
chrX	153997398	153997622	DKC1	NM_001363	15	15	9	144	404	17810	79,16	100
chrX	153999008	153999181	DKC1	NM_001363	15	15	10	121	47	2164	12,44	100
chrX	154001319	154001495	DKC1	NM_001363	15	15	11	119	326	15071	85,15	75,6
chrX	154002792	154003001	DKC1	NM_001363	15	15	12	104	579	25981	123,72	100
chrX	154003280	154003542	DKC1	NM_001363	15	15	13	79	392	18020	68,52	92,4
chrX	154004370	154004558	DKC1	NM_001363	15	15	14	138	358	15129	80,05	70,3
chrX	154005030	154005298	DKC1	NM_001363	15	15	15	69	391	17340	64,46	100
chrX	154489968	154490577	RAB39B	NM_171998	2	2	2	427	1816	88514	145,1	100
chrX	154493385	154493650	RAB39B	NM_171998	2	2	1	215	443	20621	77,52	87,9
										Median	75,215	98,6