

chromosome	Start position	Termination location	Gene name	CDS area	Exon region	Transcripts	10X average coverage	20X average coverage	30X average coverage	sequencing depth (X)
chr10	71078703	71078766	HKE1	C1	EX1	NM_000188.2	97%	57%	13%	21.4507
chr10	100193227	100193427	HPS1	C5	EX8	NM_000135.3	100%	94%	63%	35.0469
chr10	100177320	100177483	HPS1	C18E	EX20E	NM_000195.3	99%	78%	30%	25.9581
chr10	72648287	72648290	PCBD1	C1	EX1	NM_000281.2	7%	0%	0%	5.0203
chr10	89720650	89720875	PTEN	C8	EX8	NM_000314.4	100%	94%	75%	41.954
chr10	82034772	82034955	MAT1A	C7	EX7	NM_000429.2	99%	73%	32%	26.2327
chr10	1051815129	105181519	COL17A1	C18	EX10	NM_000494.3	100%	78%	37%	27.9914
chr10	105796249	105796390	COL17A1	C47	EX48	NM_000494.3	100%	91%	65%	34.994
chr10	105794378	105794525	COL17A1	C50	EX51	NM_000494.3	100%	86%	38%	27.5244
chr10	44880392	44880453	CXCL12	C1	EX1	NM_000609.5	75%	12%	0%	13.3182
chr10	45938863	45938985	ALOX5	C11	EX11	NM_000698.3	98%	67%	14%	22.4171
chr10	45939175	45939276	ALOX5	C12	EX12	NM_000698.3	100%	86%	43%	28.4446
chr10	99512794	99512939	ZFYVE27	C9	EX9	NM_01002261.3	91%	43%	15%	19.6085
chr10	8097618	8097859	GATA3	C1	EX9	NM_001002295.1	95%	66%	33%	25.4729
chr10	86004846	86004925	RGR	C1	EX1	NM_001012720.1	73%	8%	0%	12.7466
chr10	104158495	104158621	NFKB2	C11	EX12	NM_001077494.2	100%	93%	75%	40.6063
chr10	104159044	104159254	NFKB2	C12	EX13	NM_001077494.2	98%	67%	36%	28.7813
chr10	104159333	104159475	NFKB2	C13	EX14	NM_001077494.2	95%	52%	12%	20.396
chr10	104162008	104162133	NFKB2	C22E	EX23E	NM_001077494.2	100%	94%	79%	47.7155
chr10	60272903	60273093	BIC11	C1	EX1	NM_01080512.1	96%	81%	65%	45.3379
chr10	17156025	17156188	CUBN	C8	EX8	NM_010813	99%	80%	30%	25.9996
chr10	17110603	17110769	CUBN	C20	EX20	NM_010813	99%	94%	79%	43.5425
chr10	16989233	16989366	CUBN	C36	EX36	NM_010813	100%	94%	64%	34.9406
chr10	16960620	16960799	CUBN	C45	EX45	NM_010813	99%	86%	72%	41.2592
chr10	118893518	118894094	VAX1	C3E	EX3E	NM_01112704.1	90%	76%	64%	45.4723
chr10	71640258	71640309	COL13A1	C6	EX6	NM_01130103.1	99%	89%	44%	29.7096
chr10	71677044	71677089	COL13A1	C18	EX18	NM_01130103.1	100%	88%	42%	28.7773
chr10	112404212	112404403	RBM20	C1	EX1	NM_01134563.1	37%	0%	0%	8.6598
chr10	81912724	81912914	ANKK1	C3	EX3	NM_019132	100%	92%	70%	59.9242
chr10	102775392	102775568	PDDZ7	C10	EX11	NM_01195263.1	99%	74%	27%	24.9817
chr10	102770028	102770640	PDDZ7	C14	EX15	NM_01195263.1	99%	88%	67%	60.0259
chr10	102768223	102768607	PDDZ7	C16E	EX17E	NM_01195263.1	89%	75%	65%	59.7011
chr10	101989184	101989289	CHUK	C1	EX1	NM_011278.3	100%	87%	41%	29.0253
chr10	12478545	12478587	ACADSB	C9	EX9	NM_010609.3	99%	76%	33%	26.5561
chr10	124810564	124810702	ACADSB	C9	EX9	NM_010609.3	100%	89%	61%	34.7281
chr10	97515996	97516012	ENTPD1	C1	EX1	NM_001776.5	100%	86%	33%	27.2426
chr10	124221168	124221640	HTRA1	C1	EX1	NM_002775.4	49%	2%	0%	11.936
chr10	73610938	73610978	PSAP	C1	EX1	NM_002778.2	99%	66%	22%	23.7055
chr10	60150524	60150526	TFAM	C5	EX5	NM_003021.2	100%	93%	61%	32.4618
chr10	17271421	17271984	VIM	C1	EX2	NM_003380.3	95%	70%	46%	29.2034
chr10	15761561	15761770	ITGAB	C1	EX1	NM_003638.1	100%	88%	57%	32.6338
chr10	135186749	135186837	ECHS1	C1	EX1	NM_004092.3	33%	1%	0%	8.3626
chr10	135180392	135180497	ECHS1	C5	EX5	NM_004092.3	99%	82%	2%	33.189
chr10	119307575	119307743	EMK2	C3E	EX3E	NM_004098.3	100%	92%	63%	35.6105
chr10	115342974	115343117	HAMP2	C10	EX10	NM_004132.3	100%	92%	74%	39.5609
chr10	121411187	121411367	BAG3	C1	EX1	NM_004281.3	100%	92%	67%	36.8376
chr10	21906040	21906136	MLLT10	C7	EX7	NM_004641.3	98%	89%	68%	33.9883
chr10	103991719	103991837	PTX3	C1	EX2	NM_005029.3	100%	90%	56%	31.8444
chr10	103990270	103990858	PTX3	C3E	EX3E	NM_005029.3	99%	91%	66%	39.8321
chr10	111343141	111343303	SMK3	C11	EX11	NM_005445.3	100%	90%	63%	50.8771
chr10	74269155	74269161	MICU1	C5	EX6	NM_006077.3	0%	0%	0%	1.2913
chr10	13341967	13342042	PHYH	C1	EX1	NM_006214.3	22%	0%	0%	6.8945
chr10	52834350	52834661	PRKG1	C1	EX1	NM_006258.3	100%	93%	64%	34.3077
chr10	76781638	76781989	KAT6B	C14	EX16	NM_012330.3	100%	93%	71%	50.4969
chr10	26866640	26866769	PODS1	C1	EX1	NM_010817.3	8%	0%	0%	5.0581
chr10	26991123	26991123	PODS1	C2	EX2	NM_014317.3	8%	0%	0%	4.2888
chr10	43312765	43312942	BMS1	C14	EX15	NM_014753.3	100%	89%	57%	34.0131
chr10	27333085	27333119	ANKRD26	C19	EX19	NM_014915.2	96%	46%	9%	19.8371
chr10	70748588	70749014	KIAA1279	C1	EX1	NM_015634.3	100%	95%	71%	36.7371
chr10	2690193	2690234	MYO3A	C31	EX31	NM_017433.4	100%	70%	25%	24.7384
chr10	13900446	13900512	FRMO3A	C2	EX2	NM_004012.3	99%	64%	28%	23.1948
chr10	72201230	72201423	NODAL	C1	EX1	NM_018055.4	95%	50%	8%	19.7205
chr10	73079066	73079067	SLC29A3	C1	EX1	NM_018344.5	35%	0%	0%	8.3519
chr10	12111032	12111186	DHTKD1	C1	EX1	NM_018706.5	47%	38%	8%	17.884
chr10	50822235	50822521	CHAT	C1	EX1	NM_020549.4	89%	14%	3%	15.5799
chr10	43572706	43572739	RET	C1	EX1	NM_020975.4	47%	4%	0%	9.4987
chr10	43601823	43602019	RET	C5	EX5	NM_020975.4	100%	95%	64%	34.0169
chr10	43607546	43607672	RET	C8	EX8	NM_020975.4	99%	82%	45%	29.8508
chr10	43614978	43615193	RET	C10	EX14	NM_020975.4	100%	83%	59%	34.6811
chr10	73453903	73454016	CDH23	C2	EX2	NM_021245.9	99%	79%	32%	26.6805
chr10	73464667	73464887	CDH23	C24	EX24	NM_021245.9	100%	94%	78%	45.2413
chr10	105991939	105992004	WDR96	C1	EX1	NM_025145.5	83%	19%	2%	14.6509
chr10	31608163	31608221	ZEB1	C1	EX1	NM_030715.5	42%	1%	0%	9.1065
chr10	114710965	114711032	TCF7L2	C2	EX2	NM_030756.4	98%	77%	38%	27.5377
chr10	114711241	114711366	TCF7L2	C3	EX3	NM_030756.4	99%	82%	44%	29.4873
chr10	79796951	79797062	RPL34	C4	EX4	NM_033022.3	100%	91%	56%	31.9713
chr10	55616934	55617023	PCDH15	C27	EX28	NM_033056.3	99%	80%	37%	27.4388
chr10	85954516	85954571	CDHR1	C1	EX1	NM_033100.2	14%	0%	0%	5.9535
chr10	103535625	103535657	FGF8	C1	EX1	NM_033163.3	4%	0%	0%	4.2416
chr10	103535496	103535533	FGF8	C2	EX2	NM_033163.3	70%	5%	0%	11.9145
chr10	103534886	103534973	FGF8	C3	EX3	NM_033163.3	100%	80%	36%	26.9778
chr10	27422967	27423251	YME1L1	C8	EX8	NM_039312.2	100%	80%	67%	27.4876
chr10	127464228	127464390	MMP21	C1	EX1	NM_147191.1	100%	82%	34%	26.9237
chr10	127462399	127462934	MMP21	C2	EX2	NM_147191.1	72%	22%	3%	14.3493
chr10	127461179	127461319	MMP21	C3	EX3	NM_147191.1	100%	94%	80%	43.3689
chr10	70587380	70587690	STOX1	C1	EX1	NM_152790.4	0%	0%	0%	2.0923
chr10	134590462	134590462	NKG2	C1	EX1	NM_177400.2	46%	4%	0%	9.728
chr10	134598783	134598956	NKG2	C2	EX2	NM_177400.2	99%	86%	64%	34.8026
chr10	23481459	23482243	PTF1A	C1	EX1	NM_178161.2	88%	61%	39%	29.4849
chr10	94822476	94822752	CYP26C1	C3	EX3	NM_183374.2	99%	89%	69%	42.1375
chr10	94825712	94826042	CYP26C1	C5	EX5	NM_183374.2	96%	51%	19%	20.1764
chr11	107992333	107992405	ACAT1	C1	EX1	NM_000195.3	98%	63%	9%	22.2372
chr11	108099904	108100050	ATM	C1	EX1	NM_000551.3	100%	93%	57%	32.0544
chr11	2182201	2182201	INS	C1	EX2	NM_000207.2	99%	76%	36%	27.328
chr11	2466328	2466714	KCNQ1	C1	EX1	NM_000218.2	63%	44%	28%	19.5776
chr11	2868996	2869233	KCNQ1	C16E	EX16E	NM_000218.2	98%	76%	44%	28.9508
chr11	47372052	47372166	MYPBC3	C3	EX3	NM_000256.3	99%	81%	36%	26.9224
chr11	76914104	76914162	MYPBC3	C7	EX7	NM_000256.3	99%	80%	42%	27.2597
chr11	112097166	112097240	PTS	C1	EX1	NM_000317.2	100%	84%	36%	28.206
chr11	17498175	17498323	ABCC8	C1	EX1	NM_000352.3	93%	51%	14%	20.6784
chr11	2156596	2156753	IGF2	C1	EX2	NM_000612.4	100%	87%	47%	28.279
chr11	637304	637589	DRD4	C1	EX1	NM_000797.3	71%	52%	34%	24.2118
chr11	638647	640306	DRD4	C3	EX3	NM_000797.3	77%	55%	48%	36.0917
chr11	66636316	66636435	PC	C7	EX9	NM_000920.3	100%	91%	62%	32.8953
chr11	66618144	66618394	PC	C15	EX17	NM_000920.3	100%	92%	63%	34.1631
chr11	103004283	103004436	DYNC2H1	C14	EX14	NM_01080463.1	100%	93%	64%	34.6456
chr11	103031660	103031773	DYNC2H1	C29	EX29	NM_01080463.1	99%	94%	89%	48.6525
chr11	103093643	103093757	DYNC2H1	C56	EX56	NM_01080463.1	98%	78%	26%	25.6326
chr11	62439424	62439586	CL1orf83	C12E	EX2E	NM_01088772.2	99%	91%	64%	35.6339
chr11	78497942	78498128	TENM4	C2	EX16	NM_01098816.2	100%	94%	77%	43.1573
chr11	65325099	65325430	LTBP3	C1	EX1	NM_01130144.2	94%	84%	75%	85.2321
chr11	65321521	65321851	LTBP3	C2	EX2	NM_01130144.2	100%	94%		

chr11	6650682	6650808	DCH51	C11	EX12	NM_003737.2	100%	92%	0%	39.3195
chr11	66335744	66335957	CTSF	C1	EX1	NM_003739.3	8%	0%	0%	5.3313
chr11	85965671	85965885	EEF2	C1	EX1	NM_003737.2	100%	94%	72%	38.5685
chr11	70049565	70049851	FADD	C1	EX1	NM_003824.3	98%	84%	60%	34.7944
chr11	61723189	61723423	BEST1	C3	EX4	NM_004183.3	100%	88%	59%	33.7392
chr11	2398779	2398845	CD81	C1	EX1	NM_004356.3	5%	7%	0%	10.5552
chr11	101454064	101454234	TRPC6	C1	EX1	NM_004621.5	98%	76%	37%	27.6557
chr11	71954631	71954948	PHOX2A	C1	EX1	NM_005169.3	77%	10%	1%	15.2629
chr11	71950792	71951242	PHOX2A	C5E	EX3E	NM_005169.3	79%	26%	5%	15.5387
chr11	119077127	119077322	CBL	C1	EX1	NM_005188.3	99%	74%	28%	25.4503
chr11	45907371	45907472	MAPK8BP1	C1	EX1	NM_005456.3	92%	61%	33%	24.1348
chr11	69633481	69633701	FGF3	C1	EX1	NM_005247.2	76%	3%	0%	13.1444
chr11	45921688	45922003	MAPK8BP1	C3	EX3	NM_005456.3	20%	0%	0%	6.705
chr11	92702891	92703114	MTRNR1B	C1	EX1	NM_005959.3	100%	92%	71%	47.5595
chr11	67810109	67810330	TCIRG1	C3	EX4	NM_006019.3	99%	62%	19%	22.6464
chr11	67810412	67810498	TCIRG1	C4	EX5	NM_006019.3	100%	79%	26%	25.1046
chr11	67810837	67810964	TCIRG1	C5	EX6	NM_006019.3	93%	63%	38%	27.1116
chr11	67811598	67811811	TCIRG1	C8E	EX9	NM_006019.3	92%	31%	3%	17.0737
chr11	7471481	7471578	TALDO1	C1	EX1	NM_006755.1	99%	81%	52%	31.6767
chr11	118529044	118529150	TREH	C15E	EX15E	NM_007180.2	99%	77%	27%	24.945
chr11	118528998	118529044	TREH	C15E	EX15E	NM_007180.2	98%	69%	24%	23.8944
chr11	86665842	86666127	FZD4	C1	EX1	NM_012193.3	100%	94%	76%	41.9498
chr11	62389337	62389419	B3GAT3	C1	EX1	NM_012200.3	95%	52%	13%	20.6256
chr11	67140994	67141010	CLCF1	C1	EX1	NM_013246.2	80%	11%	0%	13.5545
chr11	67134930	67134997	CLCF1	C2	EX2	NM_013246.2	100%	92%	65%	35.2315
chr11	117252416	117252584	CEP164	C11	EX13	NM_014956.4	97%	65%	21%	23.163
chr11	117265065	117265209	CEP164	C19	EX21	NM_014956.4	100%	92%	62%	34.2742
chr11	9286507	9286616	DEPND5A	C1	EX1	NM_015213.3	83%	20%	1%	14.7881
chr11	1192110893	119211107	C1QTNF5	C1	EX14	NM_015645.3	95%	65%	30%	24.3696
chr11	68452391	68452472	GAL	C1	EX1	NM_015923.3	99%	81%	51%	20.1275
chr11	95657038	95657118	MTMR2	C1	EX1	NM_016156.5	92%	29%	3%	17.008
chr11	9590715	9590799	MTMR2	C7	EX7	NM_016156.5	98%	94%	76%	36.2608
chr11	67290016	67290187	CABP2	C2	EX2	NM_016366.2	89%	29%	4%	16.6247
chr11	65637591	65637708	EFEMP2	C5	EX6	NM_016938.4	100%	92%	57%	31.5514
chr11	6583957	65839813	PCSK1	C1	EX1	NM_019026.3	81%	58%	3%	23.6857
chr11	76572020	76572123	ACER3	C1	EX1	NM_018367.5	100%	92%	60%	33.8719
chr11	27493664	27493849	LGR4	C1	EX1	NM_018490.2	53%	7%	0%	10.6386
chr11	27413993	27414065	LGR4	C3	EX3	NM_018490.2	76%	8%	0%	12.7897
chr11	27397845	27397917	LGR4	C13	EX13	NM_018490.2	100%	91%	53%	31.3693
chr11	823613	8236065	PNPLA2	C6	EX7	NM_020376.3	1%	0%	0%	3.2932
chr11	823693	823855	PNPLA2	C7	EX7	NM_020376.3	99%	76%	33%	26.8356
chr11	823997	824130	PNPLA2	C6	EX8	NM_020376.3	100%	93%	61%	34.5038
chr11	824313	824346	PNPLA2	C8	EX9	NM_020376.3	99%	81%	35%	27.1736
chr11	824522	824862	PNPLA2	C9E	EX10E	NM_020376.3	100%	87%	48%	30.1543
chr11	65292624	65292735	SCY1	C1	EX1	NM_020680.3	73%	12%	1%	12.935
chr11	694758	694807	DEAF1	C1	EX1	NM_021008.2	99%	90%	0%	10.2124
chr11	679687	679816	DEAF1	C8	EX8	NM_021008.2	99%	87%	53%	30.9553
chr11	130029874	130029955	ST14	C1	EX1	NM_021978.3	18%	0%	0%	6.7361
chr11	130067735	130067840	ST14	C12	EX12	NM_021978.3	99%	92%	75%	41.7005
chr11	124746170	124746356	ROBO3	C17	EX17	NM_022370.3	97%	72%	42%	28.8496
chr11	124749682	124749864	ROBO3	C26	EX26	NM_022370.3	99%	64%	20%	23.0729
chr11	124750313	124750504	ROBO3	C27	EX27	NM_022370.3	99%	84%	45%	30.81
chr11	720061	720223	EPS8L2	C4	EX5	NM_022772.3	99%	88%	53%	32.2066
chr11	720596	720746	EPS8L2	C5	EX6	NM_022772.3	98%	61%	15%	22.1259
chr11	720829	720909	EPS8L2	C6	EX7	NM_022772.3	89%	30%	3%	16.5919
chr11	720763	721206	EPS8L2	C7	EX7	NM_022772.3	94%	57%	21%	22.3339
chr11	722672	722805	EPS8L2	C13	EX14	NM_022772.3	98%	73%	38%	38.1449
chr11	725727	725847	EPS8L2	C16	EX17	NM_022772.3	17%	0%	0%	6.1717
chr11	726097	726170	EPS8L2	C17	EX18	NM_022772.3	98%	73%	32%	25.6856
chr11	726303	726484	EPS8L2	C18	EX19	NM_022772.3	98%	70%	32%	26.0685
chr11	726518	726751	EPS8L2	C19	EX20	NM_022772.3	98%	32%	2%	16.6115
chr11	7284931	72852035	ALG9	C7	EX7	NM_024079.4	46%	16%	0%	20.5991
chr11	32456245	32456891	WT1	C1	EX1	NM_024246.4	93%	67%	51%	38.691
chr11	794457	794513	SLC25A22	C3	EX4	NM_024698.5	95%	45%	8%	19.0837
chr11	792988	792988	SLC25A22	C5	EX6	NM_024698.5	71%	10%	0%	12.741
chr11	792552	792727	SLC25A22	C6	EX7	NM_024698.5	98%	66%	20%	23.208
chr11	791914	7920068	SLC25A22	C9E	EX10E	NM_024698.5	99%	83%	49%	30.4745
chr11	111742146	111742206	ALG9	C1	EX1	NM_024740.2	98%	76%	38%	27.1004
chr11	111742145	111742146	ALG9	C1	EX1	NM_024740.2	96%	55%	15%	21.4842
chr11	111742074	111742145	ALG9	C1	EX1	NM_024740.2	95%	35%	10%	18.7828
chr11	67717417	67717513	UNC93B1	C1	EX1	NM_030930.2	51%	3%	0%	10.0643
chr11	6771126	67711368	UNC93B1	C7	EX7	NM_030930.2	76%	36%	34%	26.6018
chr11	6776381	67763355	UNC93B1	C9	EX9	NM_030930.2	94%	64%	23%	23.3851
chr11	67759016	67759328	UNC93B1	C11E	EX11E	NM_030930.2	69%	14%	1%	12.8445
chr11	10315561	10315616	SBF2	C1	EX1	NM_030962.3	82%	19%	1%	14.8813
chr11	119211257	119212482	MFRP	C13E	EX13	NM_031433.2	100%	90%	70%	41.751
chr11	69787823	69787843	FERMT3	C3	EX4	NM_031471.5	100%	92%	59%	32.816
chr11	69465885	69466050	CEND1	C5E	EX5E	NM_030566.2	100%	85%	56%	32.2106
chr11	68816465	68816574	TPCN2	C1	EX1	NM_139075.3	91%	31%	2%	17.0421
chr11	68853342	68853421	TPCN2	C25E	EX25E	NM_139075.3	100%	90%	54%	30.9081
chr11	64365987	64366111	SLC22A12	C5	EX5	NM_144585.2	100%	95%	77%	41.1036
chr11	64367147	64367362	SLC22A12	C7	EX7	NM_144585.2	99%	94%	90%	82.3976
chr11	124791033	124791336	HEPACAM	C7E	EX7E	NM_152722.4	13%	0%	0%	5.9754
chr11	64510265	64510338	RASGRP2	C1	EX2	NM_153819.1	100%	86%	51%	30.8392
chr11	64509481	64509584	RASGRP2	C2	EX3	NM_153819.1	99%	74%	30%	25.8875
chr11	18322374	18322463	HP55	C8	EX8	NM_181507.1	99%	78%	30%	25.314
chr11	2191919	2192000	TH	C2	EX2	NM_199292.2	79%	19%	2%	14.3169
chr11	2197982	2197988	TH	C9	EX9	NM_199292.2	99%	78%	30%	26.0877
chr11	2187709	2187779	TH	C10	EX10	NM_199292.2	73%	14%	0%	13.2725
chr11	2186897	2186993	TH	C12	EX12	NM_199292.2	100%	91%	57%	32.1686
chr11	119599184	119599263	PVRL1	C1	EX1	NM_203285.1	96%	55%	11%	20.7792
chr12	121163688	121163734	ACADS	C1	EX1	NM_000017.2	20%	0%	0%	7.1334
chr12	6976730	6976845	TPP1	C1	EX1	NM_000365.5	97%	66%	20%	22.9747
chr12	50349181	50349391	AQP2	CAE	EXE	NM_000486.5	99%	93%	70%	38.8012
chr12	121416571	121416897	HNF1A	C1	EX1	NM_000545.5	100%	94%	72%	37.8618
chr12	121437285	121437430	HNF1A	C9	EX9	NM_000545.5	99%	95%	81%	49.7061
chr12	6166022	6166238	VWF	C14	EX15	NM_000552.3	96%	76%	59%	33.7472
chr12	112204786	112204900	ALDH2	C1	EX1	NM_000690.3	100%	93%	65%	35.6088
chr12	58159789	58159880	CYP2B1	C1	EX1	NM_000785.3	93%	43%	19%	20.0418
chr12	20522218	20523178	PDE3A	C1	EX1	NM_000921.4	99%	92%	84%	84.0417
chr12	6438477	6438788	TNFRSF1A	C10E	EX10E	NM_001065.3	98%	82%	59%	34.1076
chr12	111051987	111052207	TCTN1	C1	EX1	NM_001082538.2	97%	53%	13%	31.2007
chr12	58185747	58185810	TSFM	C5	EX5	NM_001172696.1	94%	58%	15%	21.0828
chr12	53729409	53729430	SP7	C1	EX1	NM_001173467.1	100%	81%	46%	31.3065
chr12	6554261	6554307	CD27	C1	EX1	NM_001242.4	91%	37%	3%	17.6061
chr12	58025697	58025915	B4GALNT1	C1	EX2	NM_001478.3	97%	67%	30%	25.0611
chr12	58021400	58021641	B4GALNT1	C9	EX10	NM_001478.3	100%	92%	60%	32.943
chr12	110719594	110719712	ATP2A2	C1	EX1	NM_001881.3	99%	65%	18%	22.9502
chr12	48373293	48373347	COJ2A1	C41	EX41	NM_001844.4	100%	93%	68%	34.4009
chr12	56474084	56474166	ERBB3	C1	EX1	NM_001982.3	100%	94%	53%	31.369
chr12	65152864	65153056	GNS	C1	EX1	NM_002076.3	99%	86%	65%	40.6482
chr12	56101260	56101466	ITGA7	C1	EX1	NM_002206.2	100%	84%	41%	28.8517
chr12	12419614	12419669	LRP6	C1	EX1	NM_002366.2	97%	61%	23%	23.6943
chr12	11286915	11286929	PTPN11	C1	EX1	NM_002834.3	83%	18%	1%	14.7176
chr12										

chr12	49483641	49484267	DHH	C1	EX3E	NM_021044.2	100%	87%	59%	40.128
chr12	110252215	110252601	TRPV4	C1	EX2	NM_021625.4	100%	93%	78%	62.78
chr12	21699277	21699404	GYS2	C12	EX12	NM_021957.3	99%	92%	66%	35.634
chr12	21613958	21614088	PYROXD1	C8	EX8	NM_024854.3	99%	78%	35%	26.588
chr12	88532921	88532968	CEP290	C4	EX5	NM_025114.3	100%	90%	58%	32.183
chr12	132414267	132414341	PUS1	C1	EX1	NM_025215.5	88%	26%	4%	10.948
chr12	132414451	132414680	PUS1	C2	EX2	NM_025215.5	89%	49%	21%	20.948
chr12	31237902	31238060	DDX11	C4	EX4	NM_030653.3	100%	91%	57%	33.272
chr12	31256250	31256329	DDX11	C24	EX25	NM_030653.3	100%	91%	49%	31.3251
chr12	26274998	26276101	BHLHE41	C5E	EX5E	NM_030762.2	88%	68%	55%	51.1456
chr12	122064647	122064766	ORA11	C1	EX1	NM_032790.3	65%	18%	2%	13.0387
chr12	122064766	122064767	ORA11	C1	EX1	NM_032790.3	86%	40%	5%	17.6576
chr12	122064767	122064771	ORA11	C1	EX1	NM_032790.3	87%	42%	6%	18.0381
chr12	122064771	122064775	ORA11	C1	EX1	NM_032790.3	87%	44%	8%	18.5156
chr12	122064778	122064778	ORA11	C1	EX1	NM_032790.3	88%	46%	9%	18.934
chr12	122064778	122064779	ORA11	C1	EX1	NM_032790.3	88%	48%	10%	19.127
chr12	122064779	122064956	ORA11	C1	EX1	NM_032790.3	97%	79%	39%	27.2539
chr12	110011151	110011285	MMAB	C1	EX1	NM_052845.3	68%	4%	0%	11.5497
chr12	109988044	10998809	MMAB	C7	EX7	NM_052845.3	99%	91%	69%	36.1857
chr12	123741359	123741578	C12orf65	C2E	EX3E	NM_152269.4	85%	31%	6%	16.8321
chr12	89919657	89919672	POC1B	C1	EX1	NM_172240.2	93%	37%	5%	17.9405
chr12	89853414	89853495	POC1B	C10	EX10	NM_172240.2	98%	61%	20%	22.8883
chr12	1920827	1920889	CACNA2D4	C27	EX27	NM_172364.4	100%	93%	70%	36.989
chr12	1902320	1902325	CACNA2D4	C38E	EX38E	NM_172364.4	99%	74%	22%	24.2574
chr12	50898023	50898023	DIP2B	C1	EX1	NM_173602.2	93%	39%	6%	18.4985
chr12	64015017	64015117	DPY19L2	C9	EX9	NM_173812.4	97%	63%	23%	23.201
chr12	64011930	64012008	DPY19L2	C10	EX10	NM_173812.4	98%	58%	12%	21.564
chr12	64011083	64011170	DPY19L2	C11	EX11	NM_173812.4	94%	48%	4%	19.2193
chr12	64002395	64002455	DPY19L2	C12	EX12	NM_173812.4	100%	92%	64%	33.5377
chr12	6391588	63915948	DPY19L2	C14	EX14	NM_173812.4	100%	85%	49%	29.8717
chr12	63987866	63987913	DPY19L2	C16	EX16	NM_173812.4	97%	56%	11%	20.9986
chr12	63976185	63976305	DPY19L2	C18	EX18	NM_173812.4	100%	90%	62%	34.7462
chr12	133195402	133195575	PRKX	C1	EX1	NM_174873.1	98%	84%	63%	38.6426
chr12	28122326	28122427	PTHLH	C1	EX3	NM_198965.1	100%	92%	67%	38.2549
chr12	10895598	10895512	ISG1	C1	EX1	NM_013595.2	62%	10%	0%	11.9565
chr12	80840806	80840808	PTPRQ	C4	EX4	NM_00145026.1	0%	0%	0%	1.0632
chr12	80860626	80860628	PTPRQ	C4	EX4	NM_00145026.1	0%	0%	0%	1.0404
chr12	81009978	81010045	PTPRQ	C28	EX28	NM_00145026.1	98%	94%	66%	35.5151
chr12	52509728	52509831	ATP7B	C20	EX20	NM_000503.3	100%	94%	56%	31.6284
chr12	32918694	32918790	BRCA2	C19	EX19	NM_000503.3	99%	91%	69%	34.6233
chr12	32945092	32945237	BRCA2	C19	EX20	NM_000503.3	100%	94%	73%	37.5018
chr12	103506106	103506222	ERCC5	C3	EX3	NM_000123.3	100%	94%	73%	37.9601
chr12	103508401	103508462	ERCC5	C5	EX5	NM_000123.3	100%	95%	64%	33.7162
chr12	113765003	113765164	F7	C3	EX3	NM_000131.4	98%	67%	24%	23.9853
chr12	100741374	100741479	PCFA	C1	EX1	NM_000282.3	84%	7%	0%	13.5712
chr12	48578048	48578048	RB1	C1	EX1	NM_003212.1	100%	55%	17%	17.74
chr12	48954188	48954220	RB1	C15	EX15	NM_003212.1	100%	41%	2%	8.2492
chr12	113777169	113777239	F10	C1	EX1	NM_005004.3	100%	73%	21%	24.4643
chr12	37393494	37394094	RFKAP	C1	EX1	NM_005383.3	96%	84%	66%	40.9285
chr12	27830320	27830471	RP21	C4	EX5	NM_000982.3	100%	85%	44%	31.0151
chr12	60737720	60737900	PAFH3	C1	EX1	NM_0102517.1	100%	83%	50%	26.1308
chr12	110959290	110959374	COL4A1	C1	EX1	NM_001845.4	2%	0%	0%	3.5541
chr12	111125275	111125497	COL4A2	C28	EX29	NM_001846.2	99%	83%	40%	28.2018
chr12	41239719	41240349	FOXO1	C1	EX1	NM_002015.3	74%	45%	38%	36.9276
chr12	114325970	114325974	GRK1	C3	EX3	NM_002929.2	83%	83%	83%	60.4866
chr12	4148439	4148458	TMS6P	C11	EX11	NM_003059.3	73%	21%	3%	14.1137
chr12	110434388	110438400	IRS1	C1	EX1	NM_003749.2	93%	83%	66%	43.0657
chr12	48575315	48575405	SUCLA2	C1	EX1	NM_003850.2	99%	83%	41%	28.8176
chr12	113817322	113817436	PROX	C4	EX4	NM_003891.2	98%	76%	37%	27.5254
chr12	33590578	33591397	KL	C1	EX1	NM_004795.3	79%	52%	24%	21.1235
chr12	24463270	24463459	MIPPEP	C1	EX1	NM_005932.3	100%	89%	50%	30.3623
chr12	24448984	2444948	MIPPEP	C5	EX5	NM_005932.3	100%	93%	65%	33.8213
chr12	24438279	24438328	MIPPEP	C8	EX8	NM_005932.3	96%	50%	6%	19.5927
chr12	73409380	73409506	PIBF1	C8	EX9	NM_006346.2	85%	13%	0%	14.2602
chr12	7566086	7566086	CLN5	C1	EX1	NM_006493.2	81%	30%	7%	16.2446
chr12	100634318	100635393	ZWIC2	C1	EX1	NM_007129.3	78%	51%	42%	45.7302
chr12	23949257	23949408	SACS	C2	EX3	NM_014363.4	99%	75%	28%	24.9575
chr12	23927923	23928015	SACS	C8	EX9	NM_014363.4	99%	80%	35%	26.9512
chr12	29233321	29233324	POMP	C1	EX1	NM_015932.5	93%	42%	6%	18.7572
chr12	10063756	100637936	ZIC2	C3E	EX3E	NM_007129.3	89%	60%	36%	25.6133
chr12	25946350	25946426	ATP8A2	C1	EX1	NM_016529.4	30%	0%	0%	7.7378
chr12	40129863	40129816	COX6C	C1	EX1	NM_020751.2	98%	63%	26%	24.2059
chr12	48807496	48807613	ITM2B	C1	EX1	NM_021999.4	77%	11%	0%	13.1151
chr12	111358216	111358440	CARS2	C1	EX1	NM_024537.2	97%	71%	55%	43.1331
chr12	26586668	26586760	ATP8A2	C36	EX36	NM_016529.4	96%	61%	21%	22.666
chr12	111329320	111329450	CARS2	C7	EX7	NM_024537.2	100%	95%	66%	35.108
chr12	51484272	51484276	RNASEH2B	C1	EX1	NM_024570.3	8%	0%	0%	5.2732
chr12	31774221	31774221	B3GALT1	C1	EX1	NM_194318.3	1%	0%	0%	3.6574
chr12	111365320	111365324	ING1	C1	EX1	NM_198217.2	94%	38%	4%	17.8693
chr12	111299447	111299586	CARS2	C11	EX11	NM_024537.2	100%	95%	74%	38.8669
chr12	70689272	70689430	ATXN8OS	R2	EX2	NR_002717.2	0%	0%	0%	1.1995
chr12	70703915	70704016	ATXN8OS	R3	EX3	NR_002717.2	1%	0%	0%	1.3757
chr12	70704809	70704900	ATXN8OS	R4	EX4	NR_002717.2	0%	0%	0%	1.2
chr12	70713372	70713385	ATXN8OS	R5E	EX5E	NR_002717.2	5%	20%	0%	12.1312
chr12	88459313	88459508	GALC	C1	EX1	NM_000153.3	91%	46%	20%	20.7767
chr12	88417002	88417092	GALC	C11	EX11	NM_000153.3	98%	90%	65%	33.2076
chr12	55369038	55369381	GCH1	C1	EX1	NM_000161.2	98%	86%	67%	42.0967
chr12	55313816	55313848	GCH1	C4	EX4	NM_000161.2	100%	97%	74%	26.5224
chr12	65241114	65241245	SPFB	C23	EX23	NM_000347.5	99%	87%	40%	28.6452
chr12	75078153	75078647	LTBP2	C1	EX1	NM_000428.2	86%	43%	14%	19.2339
chr12	75052556	75052821	LTBP2	C3	EX3	NM_000428.2	99%	84%	58%	32.943
chr12	74989492	74989621	LTBP2	C16	EX16	NM_000428.2	64%	10%	0%	10.0624
chr12	70546395	70546494	SMDC1	C1	EX1	NM_01038652.2	98%	73%	40%	27.7088
chr12	36989157	36989334	NKX2-1	C1	EX1	NM_01079668.2	100%	92%	60%	32.7597
chr12	36986482	36987225	NKX2-1	C3E	EX3E	NM_01079668.2	99%	92%	76%	47.6888
chr12	91883974	91884034	CCDC88C	C1	EX1	NM_01080414.3	99%	74%	30%	25.7
chr12	91738968	91739997	CCDC88C	C30E	EX30E	NM_01080414.3	99%	75%	65%	59.7014
chr12	53618978	53619816	DDHD1	C1	EX1	NM_01160147.1	91%	81%	66%	57.8736
chr12	5890798	58908061	KIAA0586	C6	EX6	NM_00244189.1	99%	24%	3%	14.1617
chr12	58920067	58920191	KIAA0586	C11	EX11	NM_00244189.1	99%	89%	64%	36.0496
chr12	58925190	58925263	KIAA0586	C14	EX14	NM_00244189.1	100%	99%	60%	33.3525
chr12	58926788	58926788	KIAA0586	C15	EX15	NM_00244189.1	99%	88%	66%	35.8702
chr12	102431028	102431284	DYNC1H1	C1	EX1	NM_013176.4	89%	32%	4%	17.0402
chr12	10576782	10576696	SAT1	C1	EX1	NM_001519.3	87%	33%	4%	16.964
chr12	65568263	65568290	MAX	C2	EX2	NM_002382.4	98%	39%	9%	19.0393
chr12	30396454	30396718	PRKDI1	C3	EX3	NM_002742.2	65%	13%	1%	12.5888
chr12	30095689	30095762	PRKDI1	C12	EX12	NM_002742.2	100%	76%	32%	26.1515
chr12	100705581	100706260	YY1	C1	EX1	NM_003403.3	92%	65%	26%	23.5525
chr12	91700296	91701394	GPR98	C1E	EX2E	NM_003485.3	96%	80%	70%	73.2117
chr12	100259813	100259880	EM11	C1	EX1	NM_004434.2	12%	0%	0%	5.837
chr12	23790678	23791029	PABPN1	C1	EX1	NM_004643.3	16%	0%	0%	6.4278
chr12	78082790	78082922	SPTLC2	C1	EX1	NM_004663.3	100%	91%	55%	32.0453
chr12	74769577	74769615	ABCD4	C1	EX1	NM_005050.3	100%	88%	42%	29.2149
chr12	105240									

chr14	89029477	89029513	ZCH14	C1	EX1	NM_024824.4	91%	24%	1%	16.3459
chr14	50778728	50778868	LZHGHD	C1	EX1	NM_024884.2	85%	26%	4%	15.8572
chr14	10338025	10338068	AMN	C1	EX1	NM_030943.3	82%	15%	2%	14.6662
chr14	103394762	103394850	AMN	C4	EX4	NM_030943.3	93%	34%	4%	17.58
chr14	103395457	103395595	AMN	C6	EX6	NM_030943.3	49%	8%	0%	10.1803
chr14	103395764	103395873	AMN	C7	EX7	NM_030943.3	45%	5%	0%	9.8453
chr14	103395991	103396074	AMN	C8	EX8	NM_030943.3	98%	7%	28%	25.8008
chr14	103396260	103396423	AMN	C9	EX9	NM_030943.3	83%	19%	0%	14.6097
chr14	103396501	103396664	AMN	C10	EX10	NM_030943.3	75%	5%	0%	12.4088
chr14	103396742	103396830	AMN	C11	EX11	NM_030943.3	85%	38%	5%	17.2649
chr14	104029299	104029461	APOPT1	C1	EX1	NM_032374.3	97%	72%	34%	26.3055
chr14	75593405	75593624	NEK9	C1	EX1	NM_033116.4	98%	67%	22%	23.7808
chr14	99737497	99737555	BC1118	C1	EX1	NM_138576.2	94%	35%	9%	18.1795
chr14	99677681	99677694	BC1118	C3	EX3	NM_138576.2	99%	92%	77%	48.4087
chr14	99640487	99642532	BC1118	C4E	EX4E	NM_138576.2	98%	92%	81%	57.3084
chr14	92790174	92790304	SLC24A4	C1	EX1	NM_153646.3	100%	89%	63%	34.5809
chr14	9523597	95236352	GSC	C1	EX1	NM_173849.2	64%	27%	10%	14.9213
chr14	95235294	95235554	GSC	C2	EX2	NM_173849.2	99%	88%	59%	33.0774
chr14	74706564	74706634	VSV2	C1	EX1	NM_182894.2	99%	73%	31%	25.5606
chr14	74727296	74727622	VSV2	C5E	EX5E	NM_182894.2	100%	82%	40%	29.1252
chr14	64545183	64545324	SYNE2	C54	EX55	NM_182914.2	100%	83%	35%	27.3434
chr14	64644075	64644201	SYNE2	C95	EX95	NM_182914.2	100%	84%	41%	28.2195
chr14	74960472	74960548	ISCA2	C1	EX1	NM_194279.2	98%	66%	23%	23.6884
chr14	74960752	74960855	ISCA2	C2	EX2	NM_194279.2	96%	66%	38%	28.2539
chr14	88291051	88291165	TTCC	C1	EX1	NM_198509.2	97%	70%	27%	24.9979
chr14	105196229	105196550	ADSSL1	C1	EX1	NM_199165.1	98%	76%	38%	26.9281
chr15	48779271	48779397	FBN1	C28	EX29	NM_000138.4	100%	87%	68%	50.9608
chr15	52820976	52821003	MYOSA	C1	EX1	NM_000259.3	40%	1%	0%	8.7164
chr15	52841014	52841023	MYOSA	C29	EX29	NM_000259.3	100%	64%	15%	22.7414
chr15	28202733	28202752	OC2	C15	EX15	NM_000275.2	99%	93%	68%	39.4217
chr15	101420112	101420211	ALDH1A3	C1	EX1	NM_000693.2	58%	5%	0%	10.9238
chr15	78913054	78913136	CHRNA3	C1	EX1	NM_000743.4	9%	0%	0%	5.5262
chr15	78858061	78858167	CHRNA5	C1	EX1	NM_000745.3	22%	0%	0%	7.0488
chr15	27018029	27018109	GARRB3	C1	EX1	NM_000814.5	84%	44%	11%	18.7732
chr15	64550505	64550545	PPP1	C1	EX1	NM_000942.4	100%	80%	32%	26.815
chr15	40226396	40226540	EIF2AK4	C1	EX1	NM_001013703.2	89%	43%	11%	18.9856
chr15	63335028	63335142	TPM1	C1	EX1	NM_001018005.1	95%	71%	11%	19.8995
chr15	82824833	82824836	RPS17	C1	EX1	NM_001021.3	99%	71%	16%	20.9302
chr15	82824388	82824540	RPS17	C2	EX2	NM_001021.3	98%	71%	26%	24.7665
chr15	82812208	82812209	RPS17	C5E	EX5E	NM_001021.3	99%	78%	34%	25.2236
chr15	90310588	90320512	MESP2	C1	EX1	NM_001039958.1	93%	61%	39%	33.0064
chr15	65369153	65370530	KBTBD13	C1E	EX1E	NM_001101362.2	99%	84%	54%	47.9787
chr15	59041678	59041733	ADAM10	C1	EX1	NM_001110.2	100%	91%	65%	36.3552
chr15	58974394	58974513	ADAM10	C3	EX3	NM_001110.2	99%	94%	88%	45.9364
chr15	42116681	42116767	MMP9	C30	EX31	NM_001128608.1	100%	91%	53%	33.8627
chr15	51041465	51041742	DMXL2	C1	EX1	NM_001174116.1	96%	68%	27%	27.9024
chr15	51860683	51860755	DMXL2	C3	EX3	NM_001174116.1	98%	93%	52%	31.3427
chr15	51857284	51857363	DMXL2	C4	EX4	NM_001174116.1	98%	68%	25%	24.2183
chr15	40453421	40453456	BUB1B	C1	EX1	NM_001211.5	100%	90%	47%	30.6092
chr15	63667856	63667877	CAI2	C2	EX2	NM_001218.3	100%	89%	33%	27.7879
chr15	6345406	63454547	CHOD1	C22	EX22	NM_001271.3	76%	15%	3%	14.2256
chr15	45670582	45670651	GATM	C1	EX1	NM_001482.2	93%	49%	9%	20.1227
chr15	90645507	90645622	IDH2	C1	EX1	NM_002168.2	11%	0%	0%	5.7042
chr15	90208813	90209173	PLIN1	C8E	EX8E	NM_002666.4	99%	89%	63%	35.5937
chr15	66679685	66679765	MAPP2K1	C1	EX1	NM_002755.3	99%	69%	25%	24.2658
chr15	74726259	74726329	SERACA7A	C1	EX1	NM_003622.3	7%	0%	0%	5.4212
chr15	77317838	77317945	PSTPIP1	C5	EX5	NM_003978.3	100%	83%	52%	33.0005
chr15	77320192	77320255	PSTPIP1	C6	EX6	NM_003978.3	100%	91%	49%	30.2538
chr15	77320894	77320993	PSTPIP1	C7	EX7	NM_003978.3	99%	63%	20%	23.2792
chr15	77325202	77325293	PSTPIP1	C12	EX12	NM_003978.3	85%	27%	5%	16.6551
chr15	83378345	83378458	AP3B2	C1	EX1	NM_004644.3	29%	0%	0%	7.2175
chr15	83394223	83394507	AP3B2	C8	EX8	NM_004644.3	99%	79%	68%	46.846
chr15	28441606	28441715	HERC2	C50	EX51	NM_004667.5	100%	95%	73%	41.0963
chr15	83621282	83621287	HOMER2	C1	EX1	NM_004839.3	0%	0%	0%	2.6596
chr15	59664696	59664699	MYO1E	C1	EX1	NM_004998.3	98%	52%	11%	20.7114
chr15	7365826	7366011	HCN4	C1	EX1	NM_005477.2	89%	58%	39%	42.1293
chr15	73614821	73614900	HCMR4	C8E	EX8E	NM_005477.2	99%	86%	63%	48.856
chr15	74219124	74220226	LOWL1	C1	EX1	NM_005576.2	95%	72%	48%	35.9615
chr15	66995596	66996413	SMAD6	C1	EX1	NM_005585.4	92%	48%	16%	20.8359
chr15	100173324	100173378	MEF2A	C1	EX3	NM_005587.2	98%	90%	63%	32.9883
chr15	67558492	67558698	SMAD3	C1	EX1	NM_005902.3	87%	41%	11%	18.603
chr15	51100975	51101125	AP4E1	C1	EX1	NM_007347.4	97%	17%	2%	22.3905
chr15	45403581	45403783	DUXO2	C5	EX6	NM_014080.4	92%	47%	13%	19.5059
chr15	45399029	45399167	DUXO2	C14	EX15	NM_014080.4	100%	92%	48%	30.3124
chr15	72104105	72104209	NR2E3	C3	EX3	NM_014249.2	99%	93%	50%	30.5953
chr15	80696857	80696888	ARNT2	C1	EX1	NM_014862.3	36%	1%	0%	8.5125
chr15	101791341	101791861	CHST1	C1	EX1	NM_014938.4	58%	42%	28%	15.2043
chr15	52471964	52472076	GNYS	C2	EX2	NM_016194.3	99%	63%	14%	22.0151
chr15	65275844	65275907	SPG21	C1	EX2	NM_016630.3	100%	74%	25%	24.7626
chr15	50899396	50899525	TRPM7	C20	EX20	NM_017672.4	99%	90%	60%	33.6094
chr15	50888451	50888578	TRPM7	C23	EX23	NM_017672.4	99%	82%	32%	26.681
chr15	50875285	50875396	TRPM7	C7E	EX29	NM_017672.4	99%	84%	43%	28.9777
chr15	68521339	68521322	CLM1	C1	EX1	NM_017882.2	24%	0%	0%	7.1495
chr15	68500477	68500748	CLN6	C7E	EX7E	NM_017882.2	100%	94%	78%	40.6338
chr15	23889139	23889289	MAGL2	C1E	EX1E	NM_019066.4	100%	95%	85%	92.5375
chr15	41221866	41221932	DLA1	C1	EX1	NM_019074.3	97%	74%	47%	29.105
chr15	62352473	62352573	VPS13C	C1	EX1	NM_020821.2	99%	76%	30%	25.4426
chr15	62359666	62359646	VPS13C	C29	EX29	NM_020821.2	99%	79%	42%	41.2502
chr15	62243143	62243223	VPS13C	C40	EX40	NM_020821.2	98%	85%	41%	27.9022
chr15	62239391	62239508	VPS13C	C43	EX43	NM_020821.2	100%	95%	84%	44.1735
chr15	62172807	62172921	VPS13C	C73	EX73	NM_020821.2	100%	95%	77%	43.4365
chr15	62167930	62168044	VPS13C	C76	EX76	NM_020821.2	99%	82%	34%	27.6064
chr15	62167074	62167150	VPS13C	C77	EX77	NM_020821.2	99%	89%	58%	31.7015
chr15	98275334	98275776	NR2F2	C1	EX1	NM_021005.3	98%	78%	41%	64.7884
chr15	74489678	74489764	STRA6	C3	EX4	NM_022369.3	98%	77%	39%	27.7722
chr15	74483348	74483488	STRA6	C4	EX5	NM_022369.3	100%	84%	58%	32.2644
chr15	67546896	67546969	GAAB	C1	EX1	NM_024666.3	99%	60%	13%	21.612
chr15	74287153	74287282	PML	C1	EX1	NM_023238.2	100%	85%	39%	28.3783
chr15	25584283	25584404	UBR5A	C10E	EX10E	NM_023238.2	99%	82%	49%	29.7757
chr15	43029210	43029300	CDAN1	C1	EX1	NM_138477.2	100%	93%	73%	39.3008
chr15	43028499	43028978	CDAN1	C2	EX2	NM_138477.2	100%	89%	64%	43.7015
chr15	43018657	43018615	CDAN1	C24	EX24	NM_138477.2	100%	94%	66%	34.4131
chr15	100882025	100882104	ADAMTS17	C1	EX1	NM_139057.2	89%	29%	5%	16.8571
chr15	100881243	100881514	ADAMTS17	C2	EX2	NM_139057.2	17%	0%	0%	5.6573
chr15	65321742	65321951	MTFMT	C1	EX1	NM_139242.3	56%	6%	1%	10.9783
chr15	23086233	23086411	NIPA1	C1	EX1	NM_144599.4	67%	22%	4%	14.0359
chr15	43904574	43904707	STRC	C10	EX10	NM_153700.2	100%	93%	70%	34.9494
chr15	43893069	43893212	STRC	C25	EX25	NM_153700.2	100%	95%	73%	38.2216
chr15	40932996	40933074	CASC5	C6	EX7	NM_153700.2	95%	59%	20%	22.3381
chr15	40903675	40903709	CASC5	C7	EX8	NM_170589.3	100%	88%	55%	32.5406
chr15	43330368	43330430	UBR1	C16	EX16	NM_174916.2	100%	90%	53%	30.9365
chr15	43270077	43270145	UBR1	C38	EX38	NM_174916.2	100%	92%	66%	34.1745
chr15	101009582	101009689	CERS3	C8	EX8	NM_178842.3	100%	94%	66%	35.2951
chr15	51633881	51634244	GLDN	C1						

chr16	2141423	2141598	PKD1	C42	EX42	NM_001009944.2	61%	6%	0%	11.3587
chr16	2140884	2141175	PKD1	C43	EX43	NM_001009944.2	74%	47%	33%	22.8023
chr16	55866915	55866967	CE1	C1	EX1	NM_001025194.1	95%	93%	87%	57.8468
chr16	28497667	28497811	CLN3	C8	EX9	NM_001042432.1	95%	71%	48%	31.5389
chr16	75589701	75590097	TMEM231	C1	EX1	NM_001077416.1	99%	89%	72%	44.0755
chr16	88493708	88497057	ZNF469	C1	EX1	NM_001127464.1	99%	88%	76%	56.8575
chr16	88513708	88515732	PIEZ01	C1	EX1	NM_001142864.2	0%	0%	0%	2.7438
chr16	88515791	88515827	PIEZ01	C2	EX2	NM_001142864.2	0%	0%	0%	17.1344
chr16	88808707	88808830	PIEZ01	C3	EX3	NM_001142864.2	96%	72%	44%	28.2694
chr16	88803046	88803147	PIEZ01	C11	EX11	NM_001142864.2	98%	80%	17%	22.6697
chr16	88800763	88800946	PIEZ01	C16	EX16	NM_001142864.2	100%	93%	73%	41.3935
chr16	88793964	88794069	PIEZ01	C23	EX23	NM_001142864.2	100%	93%	75%	41.2394
chr16	88793446	88793600	PIEZ01	C24	EX24	NM_001142864.2	100%	92%	71%	42.5906
chr16	88791416	88791488	PIEZ01	C30	EX30	NM_001142864.2	97%	52%	8%	20.2084
chr16	88788900	88789097	PIEZ01	C35	EX35	NM_001142864.2	100%	90%	43%	28.3795
chr16	16317255	16317291	ABCC6	C1	EX1	NM_0011717.5	100%	63%	14%	22.4886
chr16	16263502	16263710	ABCC6	C22	EX22	NM_0011717.5	100%	94%	68%	34.658
chr16	67208072	67208367	NOL3	C1	EX4	NM_001185058.1	99%	91%	74%	53.1509
chr16	67208523	67208847	NOL3	C2	EX5	NM_001185058.1	99%	92%	73%	65.1133
chr16	1524834	1524975	CLCN7	C1	EX1	NM_001287.5	100%	2%	0%	8.987
chr16	1502755	1502894	CLCN7	C15	EX15	NM_001287.5	100%	90%	66%	34.6754
chr16	1500497	1500667	CLCN7	C17	EX17	NM_001287.5	99%	85%	58%	32.2641
chr16	1497655	1497715	CLCN7	C22	EX22	NM_001287.5	100%	88%	56%	33.1751
chr16	5799391	57993969	CNGB1	C9	EX9	NM_001297.4	99%	89%	55%	32.1117
chr16	57949152	57949239	CNGB1	C22	EX22	NM_001297.4	100%	98%	56%	28.556
chr16	86544175	86545154	FOXF1	C1	EX1	NM_001451.2	99%	90%	73%	49.0561
chr16	90089129	90089132	GAS8	C1	EX1	NM_001481.2	98%	4%	4%	19.4646
chr16	67198714	67198837	HSF4	C1	EX3	NM_001538.3	72%	4%	0%	11.8973
chr16	67199848	67199973	HSF4	C4	EX4	NM_001538.3	74%	13%	1%	13.277
chr16	87935517	87935580	CASA	C5	EX5	NM_001739.1	100%	93%	81%	51.0001
chr16	87925404	87925560	CASA	C6	EX6	NM_001739.1	100%	89%	48%	30.1028
chr16	88723843	88723990	MVD	C4	EX4	NM_002461.1	99%	85%	50%	30.7138
chr16	2097709	2097848	NTHL1	C1	EX1	NM_002528.5	99%	71%	19%	23.9023
chr16	89723989	89723996	CHMP1A	C1	EX1	NM_002768.3	100%	95%	63%	34.0022
chr16	89721473	89721563	CHMP1A	C7E	EX7E	NM_002768.3	100%	95%	81%	26.5757
chr16	89574825	89575008	SPG7	C1	EX1	NM_003119.2	25%	0%	0%	7.2395
chr16	20359757	20360534	UMOD	C2	EX2	NM_003361.2	99%	90%	74%	58.9999
chr16	68771318	68771366	CDH1	C1	EX1	NM_004360.3	100%	74%	28%	25.2884
chr16	3929832	3929917	CREBBP	C1	EX1	NM_004380.2	100%	88%	57%	32.2265
chr16	61129735	61129883	CGI	C1	EX1	NM_004833.4	0%	0%	0%	2.6917
chr16	30097545	30097759	TBKG	C8E	EX8E	NM_004608.3	100%	90%	51%	30.9054
chr16	66583840	66583964	TK2	C1	EX1	NM_004614.4	100%	92%	73%	44.365
chr16	89238239	89238281	CDH15	C1	EX1	NM_004933.2	100%	90%	46%	29.6344
chr16	89258062	89258302	CDH15	C10	EX10	NM_004933.2	95%	70%	33%	25.3304
chr16	89258512	89258582	CDH15	C11	EX11	NM_004933.2	80%	20%	1%	14.3492
chr16	89260077	89260044	CDH15	C12	EX12	NM_004933.2	95%	60%	27%	22.9774
chr16	89260162	89260321	CDH15	C13	EX13	NM_004933.2	100%	94%	61%	33.479
chr16	1843637	1843653	IGFALS	C1	EX1	NM_004970.2	100%	93%	60%	33.0289
chr16	86600941	86602447	FOXC2	C1E	EX1E	NM_005251.2	98%	67%	66%	67.428
chr16	2034219	2034477	GFER	C1	EX1	NM_005262.2	86%	50%	32%	24.7988
chr16	57887114	57887247	GRB2	C3	EX3	NM_005821.5	100%	95%	71%	36.4781
chr16	54965510	54965359	IRX5	C1	EX1	NM_005853.5	99%	88%	63%	33.7296
chr16	54966988	54967785	IRX5	C3E	EX3E	NM_005853.5	99%	89%	69%	81.6449
chr16	730525	730684	STUB1	C1	EX1	NM_005861.2	84%	3%	8%	17.5153
chr16	57790725	57790858	KATNB1	C19E	EX20E	NM_005886.2	93%	39%	5%	18.3722
chr16	89898909	89898963	TUBB3	C1	EX1	NM_006086.3	88%	24%	1%	15.8398
chr16	83932749	83932777	MLYCD	C1	EX1	NM_01213.2	84%	48%	22%	21.048
chr16	89341221	89341365	ANKRD11	C9	EX10	NM_013275.5	100%	94%	79%	44.7807
chr16	1576619	1576797	IFT140	C18	EX18	NM_014714.3	95%	63%	20%	22.8887
chr16	1575887	1576078	IFT140	C19	EX19	NM_014714.3	100%	88%	66%	39.3146
chr16	53656130	53656268	RPRGRP1L	C22	EX22	NM_015272.2	0%	0%	0%	8.8695
chr16	4401232	4401232	PATL1	C1	EX1	NM_016592.9	50%	5%	0%	10.9734
chr16	1547361	1547509	TELO2	C4	EX5	NM_016111.3	99%	80%	48%	29.7396
chr16	1550096	1550165	TELO2	C6	EX7	NM_016111.3	99%	64%	17%	22.6471
chr16	1552313	1552405	TELO2	C12	EX13	NM_016111.3	97%	70%	51%	31.91
chr16	78133675	78133782	WWOX	C1	EX1	NM_016373.2	100%	80%	38%	28.2748
chr16	46715990	46716287	VPS35	C3	EX3	NM_018206.4	99%	93%	41%	28.3855
chr16	57481417	57481490	COO9	C1	EX1	NM_020312.3	56%	3%	0%	10.5613
chr16	56226147	56226265	GNAO1	C1	EX1	NM_020988.2	100%	86%	56%	32.355
chr16	1203737	1204036	CACNA1H	C1	EX2	NM_021098.2	46%	6%	0%	9.6268
chr16	1260034	1260135	CACNA1H	C17	EX18	NM_021098.2	98%	79%	43%	28.385
chr16	81348718	81348885	GALNA1	C1	EX1	NM_022041.3	73%	21%	1%	14.6139
chr16	17564290	17564653	XYLT1	C1	EX1	NM_022166.3	9%	0%	0%	4.6654
chr16	1822799	1823120	MRP34	C1	EX1	NM_023936.1	86%	32%	8%	17.2358
chr16	74808383	74808653	FA2H	C1	EX1	NM_024306.4	76%	31%	10%	16.6147
chr16	4852527	4852572	ROGD1	C1	EX1	NM_024589.2	88%	33%	5%	17.2649
chr16	4852382	4852384	ROGD1	C2	EX2	NM_024589.2	98%	54%	15%	21.2085
chr16	87417010	87417350	FBN3C1	C1	EX1	NM_024735.3	98%	79%	46%	20.5735
chr16	88870239	88870467	CDT1	C1	EX1	NM_030928.3	36%	2%	0%	8.3896
chr16	88871169	88871306	CDT1	C3	EX3	NM_030928.3	100%	93%	71%	43.127
chr16	14021966	1402018	GNPTG	C1	EX1	NM_032520.4	38%	2%	0%	8.6606
chr16	1402102	1402160	GNPTG	C2	EX2	NM_032520.4	99%	75%	33%	26.3998
chr16	31021687	31021717	STX18	C1	EX1	NM_052874.3	99%	72%	35%	26.9113
chr16	31008822	31008896	STX18	C5	EX5	NM_052874.3	100%	95%	65%	33.5776
chr16	31004141	31004222	STX18	C10E	EX10E	NM_052874.3	99%	93%	77%	48.2371
chr16	46918627	46918870	GPT2	C1	EX2	NM_133443.2	88%	34%	6%	17.4137
chr16	21768402	21768598	OTOD	C27	EX27	NM_144672.3	98%	69%	45%	30.2699
chr16	84179045	84179169	DNAH5	C1	EX1	NM_178052.4	99%	32%	3%	16.8915
chr16	77468502	77468592	ADAMTS18	C1	EX1	NM_199552.2	91%	16%	3%	12.7107
chr17	7123303	7123365	ACADVL	C1	EX1	NM_000018.3	99%	85%	38%	27.5015
chr17	7123440	7123516	ACADVL	C2	EX2	NM_000018.3	98%	69%	25%	24.2284
chr17	4802492	4802679	CHRNA1	C10	EX10	NM_000080.3	99%	77%	29%	25.4679
chr17	48276886	48276888	COL1A1	C5	EX5	NM_000088.3	85%	45%	19%	20.2641
chr17	48272381	48272189	COL1A1	C21	EX21	NM_000088.3	99%	74%	35%	26.2325
chr17	78083743	78083854	GAA	C8	EX9	NM_000152.3	100%	95%	64%	34.1896
chr17	73761052	73761217	GALK1	C1	EX1	NM_000154.1	98%	86%	64%	36.1225
chr17	73754529	73754680	GALK1	C6	EX6	NM_000154.1	100%	90%	27%	25.6763
chr17	7906365	7907086	GLCY2D	C1	EX1	NM_000180.3	95%	52%	24%	26.298
chr17	78194024	78194112	SGS1	C1	EX1	NM_000199.3	99%	91%	49%	11.016
chr17	78190830	78190991	SGS1	C2	EX2	NM_000199.3	99%	91%	78%	41.4066
chr17	78187602	78187684	SGS1	C6	EX6	NM_000199.3	100%	88%	53%	31.6722
chr17	45331227	45331306	ITGB3	C1	EX1	NM_000212.2	99%	75%	32%	25.897
chr17	40688290	40688673	NAGLU	C1	EX1	NM_000263.3	56%	18%	4%	12.6536
chr17	29422327	29422387	NF1	C1	EX1	NM_000267.3	38%	5%	1%	9.0273
chr17	29541468	29541603	NF1	C15	EX15	NM_000267.3	100%	95%	80%	41.8532
chr17	29559090	29559207	NF1	C23	EX23	NM_000267.3	99%	91%	56%	33.0049
chr17	42452958	42453084	ITGA2B	C26	EX26	NM_000419.3	100%	92%	64%	33.8149
chr17	42452365	42452479	ITGA2B	C27	EX27	NM_000419.3	99%	89%	68%	38.49
chr17	38979338	38979413	KRT81	C7	EX7	NM_000421.3	99%	88%	68%	45.283
chr17	26085906	26086101	NOS2	C25	EX26	NM_000625.4	100%	93%	66%	40.5798
chr17	58227395	58227453	CA4	C1	EX1	NM_000717.3	97%	60%	17%	22.3691
chr17	7348446	7348504	CHRN1	C1	EX1	NM_000747.2	99%	89%	59%	32.6141
chr17	61554455	61554704	ACE	C1	EX1	NM_000789.3	76%	20%	3%	14.3915
chr17	79818202	79818347	P4HB	C1	EX1	NM_000918.3	100%	84%	54%	32.5584
chr										

chr17	76117636	76117792	TMC6	C10	EX11	NM_007267.6	97%	72%	35%	26.5145
chr17	76113882	76114016	TMC6	C15	EX16	NM_007267.6	100%	94%	74%	38.5646
chr17	76113548	76113725	TMC6	C16	EX17	NM_007267.6	100%	95%	62%	33.1006
chr17	76113349	76113428	TMC6	C17	EX18	NM_007267.6	100%	85%	46%	29.1198
chr17	73843876	73844011	WB2P	C5	EX5	NM_012478.3	99%	83%	42%	28.0579
chr17	3539543	3539513	SHK1	C1	EX1	NM_013276.2	99%	80%	68%	36.1342
chr17	45810820	45811311	TB21	C1	EX1	NM_013351.1	87%	62%	48%	39.5049
chr17	43513223	43513335	PLB2	C11E	EX11E	NM_014793.2	100%	91%	64%	34.5527
chr17	57181653	57181755	TRIM37	C2	EX2	NM_015294.3	100%	85%	45%	29.4176
chr17	57141715	57141766	TRIM37	C10	EX10	NM_015294.3	100%	94%	54%	31.909
chr17	57139927	57140009	TRIM37	C11	EX11	NM_015294.3	100%	94%	70%	36.0057
chr17	19265819	19265882	BD01	C1	EX1	NM_015681.3	98%	68%	27%	24.8208
chr17	655372	655382	GEMIN4	C1	EX1	NM_015712.2	77%	6%	0%	12.5903
chr17	18061035	18061214	MV015A	C50	EX50	NM_015939.3	98%	87%	75%	57.5056
chr17	79995506	79995558	DCXR	C1	EX1	NM_016286.3	100%	81%	31%	26.0866
chr17	79995325	79995423	DCXR	C2	EX2	NM_016286.3	81%	24%	4%	15.4163
chr17	1419749	1419793	INPP5K	C1	EX1	NM_016532.3	97%	31%	4%	17.3767
chr17	66596403	66596807	FAM20A	C1	EX1	NM_017565.3	91%	34%	6%	17.6292
chr17	15903162	15903346	TTIC9	C1	EX1	NM_017775.3	53%	10%	1%	11.1287
chr17	15903431	15903559	TTIC9	C2	EX2	NM_017775.3	87%	27%	2%	16.0519
chr17	78010461	78010490	CCDC40	C1	EX1	NM_017950.3	82%	14%	1%	13.7721
chr17	46019041	46019179	PNPO	C1	EX1	NM_018129.3	99%	88%	50%	30.864
chr17	59533851	59534037	TB4	C1	EX1	NM_018488.2	89%	44%	17%	20.1159
chr17	71189208	71189293	COD1	C1	EX1	NM_018742.2	97%	75%	38%	26.6069
chr17	48638820	48639062	CACNA1G	C1	EX17	NM_018896.4	99%	99%	44%	28.9099
chr17	34625570	34625646	CCL3L1	C1	EX1	NM_021006.4	99%	93%	88%	72.5622
chr17	39977318	39977341	FKBP10	C8	EX8	NM_021939.3	100%	91%	66%	34.5385
chr17	48423501	48423636	XYLT2	C1	EX1	NM_022167.2	42%	2%	0%	9.1623
chr17	78157711	78158037	CHRD14	C3	EX3	NM_024110.4	100%	95%	79%	42.4321
chr17	8151321	8151354	CTC1	C1	EX1	NM_025099.5	86%	26%	2%	15.7613
chr17	17713283	17713295	RA11	C4E	EX6E	NM_030665.3	100%	79%	36%	27.3656
chr17	6459704	6459726	PITPNM3	C1	EX1	NM_031220.3	11%	0%	0%	5.9364
chr17	6358657	6358963	PITPNM3	C20E	EX20E	NM_031220.3	96%	76%	49%	30.3599
chr17	29598091	29598463	RNF135	C1	EX1	NM_032322.3	99%	71%	26%	24.5659
chr17	8025344	8025344	HEI5	C2	EX2	NM_032580.3	100%	74%	25%	25.0665
chr17	8024888	8025340	HE57	C4E	EX4E	NM_032580.3	65%	13%	0%	12.4261
chr17	26732904	26733132	SLC46A1	C1	EX1	NM_080669.4	95%	57%	21%	22.3397
chr17	17119693	17119817	FLCN	C8	EX8	NM_144997.5	100%	93%	60%	32.7201
chr17	3438866	3439007	TRPV3	C5	EX5	NM_145068.3	93%	60%	27%	23.4785
chr17	76127669	76127808	TMC8	C1	EX1	NM_152468.4	100%	86%	42%	26.6915
chr17	76127962	76128111	TMC8	C2	EX3	NM_152468.4	66%	9%	0%	12.04
chr17	42082031	42082457	NAGS	C1	EX1	NM_153006.2	94%	58%	27%	23.2662
chr17	42084690	42084862	NAGS	C5	EX5	NM_153006.2	100%	95%	77%	42.2708
chr17	27055831	27055878	NEK8	C1	EX1	NM_178170.2	99%	86%	40%	29.2109
chr17	73824867	73825064	UNC13D	C31	EX31	NM_199242.2	86%	37%	6%	17.4484
chr17	73824045	73824045	UNC13D	C32E	EX32E	NM_199242.2	100%	89%	60%	33.8341
chr17	73512641	73512697	TSEN54	C1	EX1	NM_207346.2	8%	0%	0%	4.9609
chr17	73512826	73512991	TSEN54	C2	EX2	NM_207346.2	96%	73%	36%	26.1951
chr18	55253785	55253852	FECH	C1	EX1	NM_000140.3	61%	6%	1%	11.4235
chr18	55226376	55226475	FECH	C7	EX7	NM_000140.3	99%	73%	26%	25.0975
chr18	21166550	21166597	NPC1	C1	EX1	NM_000271.4	99%	95%	81%	20.6317
chr18	47721136	47721163	MVOSB	C2	EX2	NM_001080467.2	2%	0%	0%	4.2092
chr18	47455881	47455968	MVOSB	C17	EX17	NM_001080467.2	99%	92%	53%	31.2407
chr18	24056478	24056623	KCTD1	C2	EX3	NM_001258221.1	98%	92%	61%	32.9447
chr18	29078214	29078259	DSG2	C1	EX1	NM_001943.3	62%	6%	0%	11.4644
chr18	6030243	6030351	KDR	C1	EX1	NM_002039.2	96%	52%	11%	20.358
chr18	59992585	59992660	TNFRSF11A	C1	EX1	NM_003839.3	0%	0%	0%	1.8142
chr18	60021623	60021767	TNFRSF11A	C4	EX4	NM_003839.3	100%	95%	72%	37.7021
chr18	60051983	60052267	TNFRSF11A	C10E	EX10E	NM_003839.3	95%	76%	62%	43.9567
chr18	77439947	77440261	CTDP1	C1	EX1	NM_004715.4	41%	1%	0%	8.9752
chr18	77496354	77496521	CTDP1	C12	EX12	NM_004715.4	100%	84%	50%	31.0087
chr18	77513851	77513907	CTDP1	C13E	EX13E	NM_004715.4	99%	82%	44%	28.4912
chr18	19751105	19752240	GATA6	C1	EX2	NM_005257.4	77%	57%	47%	36.0629
chr18	19756915	19757082	GATA6	C2	EX3	NM_005257.4	91%	43%	7%	18.8154
chr18	71171719	7117719	LAMA1	C1	EX1	NM_005559.3	98%	62%	16%	22.1391
chr18	5704744	5704803	LMAN1	C7	EX7	NM_005703.9	99%	78%	31%	26.339
chr18	23806897	23807040	TAF4B	C1	EX1	NM_005640.1	99%	79%	70%	85.2392
chr18	46474753	46474807	SMAD7	C2	EX2	NM_005904.3	100%	85%	39%	29.1332
chr18	56338875	56339084	MALT1	C1	EX1	NM_006785.2	1%	0%	0%	3.3346
chr18	12377081	12377081	AFG3L2	C1	EX1	NM_006796.2	6%	0%	0%	5.0656
chr18	12371590	12371690	AFG3L2	C2	EX2	NM_006796.2	100%	75%	32%	26.183
chr18	56940438	56940438	RAB	C1	EX1	NM_013435.2	100%	76%	44%	44.9573
chr18	56936235	5693733	RAX	C3E	EX3E	NM_013435.2	95%	70%	45%	29.6384
chr18	55711892	55711940	NEDD4L	C1	EX1	NM_015277.5	99%	74%	28%	25.2342
chr18	42643043	42643663	SETBP1	C5E	EX6E	NM_015559.2	94%	79%	67%	51.5433
chr18	33767502	33767644	MPOCS1	C1	EX1	NM_017947.2	33%	0%	0%	8.229
chr18	19212544	19212773	MIR	C1	EX1	NM_020774.2	94%	53%	19%	21.3924
chr18	11348523	11348587	PIEZO2	C1	EX1	NM_022088.2	100%	94%	65%	35.0609
chr18	28681865	28681934	OSDC2	C1	EX1	NM_024422.3	69%	17%	2%	13.3522
chr18	28622557	28622626	OSDC3	C1	EX1	NM_024422.3	96%	51%	11%	20.5001
chr18	31158595	31158649	ASXL3	C1	EX1	NM_030632.1	99%	77%	31%	26.0561
chr18	12308291	12308498	TUBB8	C1	EX1	NM_032525.1	86%	22%	1%	15.4275
chr18	57264443	57264574	CCO1	C1	EX1	NM_033459.3	90%	51%	16%	20.4478
chr18	10454078	10455036	APCCD1	C1	EX1	NM_135000.4	72%	9%	1%	12.7222
chr18	67802419	67802516	RTTN	C22	EX22	NM_173630.3	100%	92%	51%	30.8435
chr18	67801708	67801777	RTTN	C23	EX23	NM_173630.3	100%	84%	44%	29.1386
chr18	67753848	67753920	RTTN	C32	EX32	NM_173630.3	97%	87%	77%	49.3387
chr18	59763080	59763183	PIGN	C20	EX20	NM_176787.4	98%	65%	20%	22.8528
chr18	59751763	59751839	PIGN	C24	EX24	NM_176787.4	99%	62%	15%	22.3426
chr18	59749905	59749979	PIGN	C25	EX25	NM_176787.4	98%	95%	85%	45.0135
chr18	28980843	28980883	DSG4	C10	EX10	NM_177986.3	98%	87%	50%	30.3923
chr19	45411789	45412507	APOE	C3E	EX4E	NM_000041.2	95%	70%	7%	30.2685
chr19	6710649	6710856	C3	C13	EX13	NM_000064.2	100%	93%	43%	39.4634
chr19	6679135	6679219	C3	C38	EX38	NM_000064.2	100%	89%	73%	53.057
chr19	18901999	18902078	COMP	C1	EX1	NM_000095.2	99%	73%	21%	23.7652
chr19	18900750	18900923	COMP	C4	EX4	NM_000095.2	98%	84%	56%	32.8303
chr19	18989968	18990106	COMP	C5	EX5	NM_000095.2	99%	80%	12%	29.9249
chr19	1401294	1401475	GAMT	C1	EX1	NM_000156.5	77%	11%	1%	13.2392
chr19	10381825	10381902	ICAM1	C1	EX1	NM_000201.2	100%	79%	32%	26.8766
chr19	7293802	7293902	INSR	C1	EX1	NM_00208.2	1%	0%	0%	2.8894
chr19	17953124	17953419	JAK3	C5	EX6	NM_000215.3	100%	92%	82%	53.1495
chr19	17942482	17942607	JAK3	C19	EX20	NM_000215.3	82%	14%	1%	14.2886
chr19	17940916	17941027	JAK3	C22	EX23	NM_000215.3	80%	94%	80%	48.0522
chr19	48620894	48621038	LIG1	C25	EX26	NM_000234.1	86%	25%	3%	15.933
chr19	34012649	34012666	PEPD	C1	EX1	NM_000285.3	60%	4%	0%	11.0794
chr19	34001933	34002061	PEPD	C3	EX3	NM_000285.3	99%	90%	77%	45.963
chr19	33882200	33882385	PEPD	C13	EX13	NM_000285.3	100%	89%	69%	39.3844
chr19	33878795	33878987	PEPD	C14	EX14	NM_000285.3	100%	87%	51%	30.7542
chr19	55667968	55667700	TNIB3	C5	EX5	NM_000363.4	97%	59%	19%	22.8528
chr19	45873793	45873798	ERCC2	C1	EX1	NM_000400.3	100%	91%	57%	31.4093
chr19	45867000	45867169	ERCC2	C11	EX11	NM_000400.3	99%	85%	57%	33.1981
chr19	45864781	45864900	ERCC2	C12	EX12	NM_000400.3	100%	92%	60%	33.4796
chr19	15311598	15311716	NOTCH3	C1	EX1	NM_000435.2	2%	0%	0%	3.6512
chr19	15308310	15308389	NOTCH3	C2	EX2	NM_000435.2	100%	77%	29%	26.161
chr19	15298691	15298805	NOTCH3							

chr19	46274228	46274318	DMPK	C13	EX13	NM_001081563.1	47%	4%	0%	9.6145
chr19	36592665	36592676	WRD62	C25	EX25	NM_001083961.1	93%	45%	0%	19.1777
chr19	18794512	18794638	CR1C1	C1	EX1	NM_001098482.1	46%	5%	0%	9.8259
chr19	18879294	18879603	CR1C1	C11	EX11	NM_001098482.1	72%	30%	10%	16.1809
chr19	13323444	13323554	CACNA1A	C41	EX41	NM_001127221.1	100%	95%	77%	44.7452
chr19	13321430	13321466	CACNA1A	C44	EX44	NM_001127221.1	95%	62%	12%	20.6602
chr19	13319569	13319823	CACNA1A	C46	EX46	NM_001127221.1	95%	52%	36%	26.9316
chr19	13318859	13318862	CACNA1A	C47E	EX47E	NM_001127221.1	95%	23%	3%	15.3387
chr19	11101825	11101999	SMARCA4	C4	EX4	NM_001128849.1	99%	73%	22%	24.271
chr19	11170720	11170863	SMARCA4	C34	EX35	NM_001128849.1	100%	78%	30%	25.8336
chr19	10305495	10305575	DNMT1	C1	EX1	NM_001130823.1	99%	68%	18%	23.4269
chr19	10290862	10290910	DNMT1	C5	EX5	NM_001130823.1	99%	86%	68%	45.3971
chr19	10246411	10246528	DNMT1	C39	EX39	NM_001130823.1	100%	90%	46%	29.3977
chr19	55673500	55673568	DNAAF3	C5	EX5	NM_001256714.1	95%	53%	11%	20.4025
chr19	55673010	55673193	DNAAF3	C6	EX6	NM_001256714.1	88%	28%	1%	16.0969
chr19	55672660	55672786	DNAAF3	C7	EX7	NM_001256714.1	100%	94%	71%	36.4275
chr19	55672432	55672555	DNAAF3	C8	EX8	NM_001256714.1	100%	93%	68%	35.3707
chr19	2113334	2113412	AP3D1	C23	EX23	NM_001261826.1	88%	21%	1%	15.1385
chr19	42874852	42874983	MCGFB	C39	EX39	NM_0014101.2	99%	91%	82%	66.3474
chr19	18980791	18981116	GDF1	C1	EX7	NM_001492.4	98%	21%	23%	24.0002
chr19	18979405	18980199	GDF1	C2E	EX8E	NM_001492.4	57%	21%	6%	12.9252
chr19	42384736	42384805	CD79A	C4	EX4	NM_001783.3	99%	81%	48%	30.3701
chr19	852875	853032	ELANE	C2	EX2	NM_001972.2	100%	93%	61%	34.2291
chr19	3994649	3994785	GNAPB	C1	EX1	NM_002067.2	91%	37%	7%	18.0336
chr19	44278343	44278771	KCNMA3	C3	EX3	NM_002250.2	99%	99%	72%	41.9338
chr19	35790456	35790753	MAG	C3	EX5	NM_002361.3	97%	84%	64%	36.5358
chr19	50912775	50912923	POLD1	C16	EX17	NM_002691.3	99%	84%	40%	28.1191
chr19	54385748	54385918	PRKCG	C5	EX5	NM_002739.3	99%	96%	64%	37.3655
chr19	54393139	54393271	PRKCG	C5	EX5	NM_002739.3	100%	81%	74%	42.7077
chr19	11553300	11553330	PRKCH	C6	EX6	NM_002743.2	100%	91%	62%	34.7083
chr19	4361596	4361793	SH3GL1	C10E	EX10E	NM_003025.3	100%	94%	78%	43.1571
chr19	1625574	1625707	TCF3	C6	EX7	NM_003200.3	95%	9%	9%	18.9549
chr19	1622311	1622414	TCF3	C8	EX9	NM_003200.3	87%	3%	1%	17.0162
chr19	1622052	1622222	TCF3	C9	EX10	NM_003200.3	99%	68%	14%	22.4849
chr19	1621186	16211969	TCF3	C10	EX11	NM_003200.3	98%	71%	1%	25.2285
chr19	1619778	1619852	TCF3	C13	EX14	NM_003200.3	100%	61%	12%	21.8819
chr19	5658048	5658075	TNNT1	C3	EX4	NM_003283.4	21%	0%	0%	6.6989
chr19	5657801	5657834	TNNT1	C4	EX5	NM_003283.4	71%	14%	1%	13.3777
chr19	10464203	10464322	TYK2	C19	EX21	NM_003314.4	85%	18%	2%	14.755
chr19	41115651	41115777	LTBP4	C24	EX24	NM_003573.2	100%	95%	83%	55.2804
chr19	41120220	41120352	LTBP4	C22	EX22	NM_003573.2	100%	95%	78%	41.5536
chr19	17311101	17311235	MYO9B	C24	EX25	NM_004145.3	100%	90%	54%	31.107
chr19	17317056	17317185	MYO9B	C32	EX33	NM_004145.3	100%	92%	53%	31.2602
chr19	40324444	40324507	DYRK1B	C1	EX3	NM_004714.1	100%	87%	46%	30.1105
chr19	40317511	40317627	DYRK1B	C8	EX9	NM_004714.1	92%	70%	42%	26.8238
chr19	40316554	40316726	DYRK1B	C10E	EX11E	NM_004714.1	92%	50%	15%	20.3406
chr19	18717351	18717466	CR1F1	C1	EX1	NM_004750.4	0%	0%	0%	1.6792
chr19	5719714	5720143	LONP1	C1	EX1	NM_004793.2	99%	84%	67%	50.1139
chr19	39138385	39138547	ACTN4	C1	EX1	NM_004924.4	98%	59%	17%	22.1229
chr19	50831469	50832339	KCNK3	C1	EX1	NM_004977.2	57%	44%	34%	23.6189
chr19	50823502	50823606	KCNK3	C4E	EX4E	NM_004977.2	45%	13%	5%	10.8529
chr19	18266689	18267011	PIK3R2	C1	EX2	NM_005027.2	100%	93%	73%	40.1013
chr19	18271863	18271995	PIK3R2	C4	EX5	NM_005027.2	100%	90%	64%	37.4983
chr19	18272088	18272305	PIK3R2	C5	EX6	NM_005027.2	33%	2%	0%	8.2826
chr19	42905963	42906227	LIPE	C10E	EX10E	NM_005357.2	59%	11%	1%	11.6885
chr19	17932125	17932315	BCAM	C1	EX1	NM_005345.3	85%	25%	0%	12.3515
chr19	45312381	45312463	BCAM	C1	EX4	NM_005581.4	63%	1%	1%	12.3515
chr19	45323961	45324079	BCAM	C14	EX14	NM_005581.4	99%	84%	62%	37.0627
chr19	46000049	46000083	RTN2	C1	EX1	NM_005619.4	99%	88%	54%	31.7177
chr19	1456074	1456152	APC2	C6	EX7	NM_005883.2	93%	50%	9%	19.9957
chr19	1456504	1456503	APC2	C7	EX8	NM_005883.2	100%	94%	70%	35.9299
chr19	1456861	1457242	APC2	C8	EX9	NM_005883.2	100%	85%	59%	34.3566
chr19	1465153	1470212	APC2	C14E	EX15E	NM_005883.2	89%	65%	47%	36.2368
chr19	6361585	6361783	CLPP	C1	EX1	NM_006012.2	100%	79%	35%	26.9578
chr19	65022166	6502223	TNBBAA	C1	EX1	NM_006087.2	99%	74%	28%	25.4993
chr19	12917487	12917614	RNASEH2A	C1	EX1	NM_006397.2	100%	94%	63%	33.9932
chr19	42759129	42759151	RELB	C1	EX1	NM_006494.2	99%	90%	63%	32.7339
chr19	45504837	45504943	RELB	C1	EX1	NM_006509.3	55%	5%	0%	10.7868
chr19	45515193	45515534	RELB	C4	EX4	NM_006509.3	100%	84%	49%	31.2644
chr19	12996130	12996956	KLF1	C2	EX2	NM_006563.3	83%	49%	38%	20.0451
chr19	7604803	7604944	PNPLA6	C5	EX7	NM_006702.4	98%	85%	68%	40.7231
chr19	7615369	7615379	PNPLA6	C18	EX18	NM_006702.4	97%	47%	10%	20.0451
chr19	7702035	7702072	STXRP2	C1	EX1	NM_006949.2	89%	25%	2%	16.178
chr19	47983554	47983664	KFTN	C7	EX7	NM_007059.2	96%	66%	24%	23.5336
chr19	40875814	40875935	PLD3	C5	EX7	NM_012268.2	100%	93%	70%	39.7902
chr19	3703094	3703088	PIPK1C	C1	EX1	NM_012398.2	0%	0%	0%	2.0368
chr19	3647335	3647384	PIPK1C	C10	EX10	NM_012398.2	100%	92%	61%	34.1026
chr19	3634344	3635518	PIPK1C	C17	EX17	NM_012398.2	99%	83%	60%	30.6909
chr19	55327955	55327989	KIR3DL1	C1	EX1	NM_012389.2	89%	62%	38%	41.4233
chr19	55328988	55329024	KIR3DL1	C2	EX2	NM_012389.2	100%	95%	84%	58.5104
chr19	14877789	14877921	EMR2	C5	EX6	NM_013447.3	96%	90%	78%	46.9397
chr19	44031248	44031329	ETHE1	C1	EX1	NM_014279.3	94%	53%	15%	20.9067
chr19	36208020	36209283	MLL4	C1	EX1	NM_014279.3	13%	0%	0%	4.8673
chr19	36210685	36212706	MLL4	C3	EX3	NM_014279.3	98%	94%	91%	91.6486
chr19	38684176	38684420	SIPA1L3	C16	EX18	NM_015073.1	98%	68%	19%	23.3223
chr19	38696736	38696880	SIPA1L3	C20E	EX22E	NM_015073.1	100%	90%	60%	33.1807
chr19	42788856	42788923	CIC	C1	EX1	NM_015125.3	99%	86%	60%	36.9267
chr19	42797107	42797133	CIC	C15	EX15	NM_015125.3	100%	95%	70%	51.1579
chr19	7528703	7528841	ARHGEF18	C12	EX13	NM_015318.3	100%	84%	35%	27.2736
chr19	7532099	7532570	ARHGEF18	C16	EX17	NM_015318.3	82%	42%	30%	25.2445
chr19	7533710	7534017	ARHGEF18	C17	EX18	NM_015318.3	100%	83%	39%	27.9171
chr19	17137360	17137593	CPAMD8	C8	EX1	NM_015692.2	8%	0%	0%	4.7628
chr19	17113075	17113160	CPAMD8	C9	EX9	NM_015692.2	100%	91%	52%	30.6509
chr19	17100581	17100581	CPAMD8	C13	EX13	NM_015692.2	100%	83%	61%	28.2539
chr19	17085906	17086068	CPAMD8	C17	EX17	NM_015692.2	99%	86%	41%	28.2776
chr19	17032714	17032796	CPAMD8	C27	EX27	NM_015692.2	100%	94%	55%	32.0859
chr19	17008699	17008805	CPAMD8	C38	EX38	NM_015692.2	98%	72%	38%	26.9694
chr19	17008501	17008512	CPAMD8	C39	EX39	NM_015692.2	94%	64%	33%	25.1413
chr19	17007866	17007476	CPAMD8	C40	EX40	NM_015692.2	99%	86%	19%	14.3169
chr19	19638509	19638579	NDUFA13	C4	EX4	NM_015965.6	98%	68%	21%	23.6364
chr19	8379302	8379174	CD320	C1	EX1	NM_016579.3	61%	5%	0%	11.0472
chr19	39993454	39993697	DLL3	C4	EX4	NM_016941.3	27%	0%	1%	7.647
chr19	49661123	49661147	TRPM4	C4	EX1	NM_017636.3	84%	20%	1%	14.9098
chr19	49669297	49669472	TRPM4	C3	EX3	NM_017636.3	91%	86%	51%	31.0759
chr19	14017254	14017314	CC2D1A	C1	EX1	NM_017721.4	72%	4%	0%	11.6608
chr19	1047451	1047653	ABCA7	C15	EX16	NM_019112.3	100%	93%	73%	46.5301
chr19	1049264	1049436	ABCA7	C17	EX18	NM_019112.3	100%	94%	85%	55.7886
chr19	1064929	1065170	ABCA7	C45	EX46	NM_019112.3	98%	74%	48%	33.8459
chr19	7507636	7507667	MCOLN1	C14	EX14	NM_020533.2	94%	41%	6%	18.6409
chr19	11373072	11373116	DOCK6	C1	EX1	NM_020812.3	1%	0%	0%	3.403
chr19	11333410	11333581	DOCK6	C26	EX26	NM_020812.3	100%	95%	81%	55.6838
chr19	40978528	40978697	SPTBN4	C1	EX2	NM_020971.2	100%	91%	58%	32.4618
chr19	41018512	41019461	SPTBN4	C13	EX14	NM_020971.2	95%	69%	46%	38.7132
chr19	41025307	41026058	SPTBN4	C15	EX16	NM_020971.2	100%	94%	77%	45.726
chr19	41055094	41055319	SPTBN4	C20	EX21					

chr19	4090595	4090706	MAP2K2	C11E	EX11E	NM_030662.3	100%	80%	48.4255
chr19	8650015	8650192	ADAMTS10	C22	EX24	NM_030957.2	96%	58%	23.6833
chr19	8649978	8649988	ADAMTS10	C23	EX25	NM_030957.2	99%	79%	27.8629
chr19	50333344	50333475	MED25	C15	EX7	NM_030973.3	100%	94%	43.4713
chr19	50338790	50338862	MED25	C15	EX15	NM_030973.3	100%	93%	33.361
chr19	50338983	50339202	MED25	C16	EX16	NM_030973.3	100%	68%	37.1465
chr19	919873	920106	KISS1R	C4	EX4	NM_032551.4	99%	84%	33.9645
chr19	2456667	2456681	LMNB2	C1	EX1	NM_032737.3	70%	40%	17.0759
chr19	2434785	2434911	LMNB2	C6	EX6	NM_032737.3	99%	90%	31.5584
chr19	3770618	3770957	RAK2	C2E	EX3E	NM_032753.3	90%	46%	20.2209
chr19	3585595	3585820	GIPC3	C1	EX1	NM_133261.2	70%	35%	16.2427
chr19	1491268	1491383	REP6	C1	EX1	NM_138393.1	98%	66%	22.8475
chr19	1497172	1497210	REP6	C5E	EX5E	NM_138393.1	100%	87%	31.6817
chr19	1932046	1932050	ADAT3	C1E	EX2E	NM_138412.2	99%	82%	50.8893
chr19	35625414	35625584	LGIA	C1	EX1	NM_139284.2	96%	72%	26.053
chr19	35622289	35622459	LGIA	C6	EX6	NM_139284.2	100%	88%	30.3393
chr19	8429205	8429523	ANGPTL4	C1	EX1	NM_139314.1	100%	51%	31.2638
chr19	42498222	42498228	ATP1A3	C11E	EX1	NM_152296.4	99%	69%	23.3662
chr19	42471088	42471117	ATP1A3	C23E	EX23E	NM_152296.4	99%	82%	29.8694
chr19	5903622	5903719	NDUFA11	C1	EX1	NM_175614.4	99%	84%	30.0798
chr19	5896463	5896586	NDUFA11	C3	EX3	NM_175614.4	97%	62%	18.2531
chr19	46271299	46272102	SIX5	C1	EX1	NM_175875.4	97%	63%	48.7693
chr19	4629607	46270413	SIX5	C2	EX2	NM_175875.4	100%	84%	33.579
chr1	76190472	76190502	ACADM	C11E	EX1	NM_000655.4	100%	80%	30.1407
chr1	201023632	201023689	CACNA15	C29	EX29	NM_000699.2	96%	50%	20.2184
chr1	16383363	16383411	CLCNKB	C19E	EX20E	NM_000885.4	96%	83%	40.2911
chr1	53662615	53662767	CPT2	C1	EX1	NM_000998.2	91%	40%	19.368
chr1	241682890	241683022	FH1	C1	EX1	NM_000143.3	81%	16%	14.1929
chr1	24194387	24194776	FUC1A1	C1	EX1	NM_000147.4	88%	51%	21.1982
chr1	24151845	24151925	HMGCL1	C1	EX1	NM_000191.2	100%	71%	23.9418
chr1	209798992	209799371	LAMB3	C13	EX14	NM_000228.2	100%	90%	56.0373
chr1	155260362	155260469	PKLR	C11E	EX11E	NM_000298.5	99%	81%	39.2154
chr1	11994836	11994912	PLOD1	C1	EX1	NM_000302.3	99%	65%	23.8667
chr1	12020702	12020824	PLOD1	C10	EX10	NM_000302.3	100%	94%	38.7776
chr1	94578528	94578522	ABCA4	C2	EX2	NM_000392.2	100%	69%	37.015
chr1	153233425	153234364	LOR	C1E	EX2E	NM_000427.2	94%	60%	37.8073
chr1	21889602	21889777	ALPL	C4	EX4	NM_000478.4	98%	35%	27.1489
chr1	161279628	161279695	MPZ	C1	EX1	NM_000530.6	95%	9%	19.6069
chr1	154378105	154378190	ILER	C1	EX1	NM_000565.3	49%	1%	9.5087
chr1	161408444	161408555	ILER	C6	EX6	NM_000565.3	49%	76%	30.1795
chr1	161598567	161598825	FCGR3B	C3	EX4	NM_000570.4	97%	94%	99.6999
chr1	207495110	207495210	CD55	C1	EX1	NM_000574.3	18%	0%	6.5176
chr1	207669612	207669733	CR1	C1	EX1	NM_000651.4	99%	53%	31.8504
chr1	154540520	154540584	CHRN2	C1	EX1	NM_000748.2	99%	75%	28.3698
chr1	19590862	19590930	GABRD	C1	EX1	NM_000815.4	0%	0%	1.2164
chr1	1959696	19597177	GABRD	C1	EX1	NM_000815.4	100%	94%	40.8688
chr1	201331513	201331522	TNNT2	C11	EX12	NM_00101430.1	100%	82%	27.6634
chr1	207627763	207627821	CR2	C1	EX1	NM_00106658.2	68%	4%	11.4782
chr1	23346089	23346440	KDM1A	C1	EX1	NM_00109999.2	60%	8%	11.5109
chr1	22833517	22833858	IBAS7	C1	EX1	NM_0010987.2	85%	50%	18.2021
chr1	156807726	156807833	NTNK1	C1	EX1	NM_00102331.1	91%	4%	19.1549
chr1	156838296	156838439	NTNK1	C6	EX6	NM_00102331.1	93%	10%	19.1502
chr1	91850743	91850791	HFM1	C5E	EX5E	NM_001017975.3	100%	93%	30.7397
chr1	91726846	91726916	HFM1	C38E	EX38E	NM_001017975.3	97%	87%	30.1288
chr1	44466438	44466539	SLCGA9	C11E	EX11E	NM_001024845.2	100%	84%	31.3833
chr1	237205821	237205869	RYR2	C18	EX18	NM_001035.2	99%	2%	9.7126
chr1	237831182	237831258	RYR2	C58	EX58	NM_001035.2	99%	87%	46.2101
chr1	38079375	38079564	RSPO1	C4	EX7	NM_001038633.3	100%	93%	38.9221
chr1	32741169	32741273	LCK	C5	EX6	NM_001042771.1	99%	82%	41.2743
chr1	236849973	236850099	ACTN2	C1	EX1	NM_001103.2	89%	36%	17.3469
chr1	154589467	154589482	ADAR	C1	EX1	NM_001111.4	100%	89%	30.3111
chr1	1475669	14757125	TMEM240	C1	EX1	NM_00114748.1	100%	0%	6.2415
chr1	1475063	1475170	TMEM240	C2	EX2	NM_00114748.1	100%	85%	47.7648
chr1	45805890	45805926	MUTYH	C1	EX1	NM_00128425.1	100%	82%	26.9466
chr1	40420964	40421057	MFSD2A	C1	EX1	NM_001136493.1	87%	19%	15.6783
chr1	210111595	210111622	SYT14	C1	EX1	NM_001146261.2	88%	23%	15.1674
chr1	210130237	210130358	SYT14	C3	EX3	NM_001146261.2	88%	0%	7.7627
chr1	155948155	155948218	ARHGEF2	C1	EX1	NM_001162383.1	69%	5%	11.9759
chr1	155935421	155935551	ARHGEF2	C5	EX5	NM_001162383.1	100%	94%	32.7675
chr1	155917732	155917806	ARHGEF2	C22E	EX22E	NM_001162383.1	100%	88%	31.1189
chr1	3691937	3692047	SMIM1	C1	EX3	NM_001163724.1	53%	4%	10.6735
chr1	155657861	155658255	YIP1A1	C1	EX1	NM_001189993.1	100%	84%	28.2729
chr1	160162591	160162676	CASQ1	C2	EX2	NM_001231.4	100%	90%	35.7462
chr1	92469970	92470176	BRDT	C16	EX17	NM_001242806.1	99%	74%	25.3978
chr1	65775428	65775621	DNAJC6	C1	EX1	NM_001256864.1	99%	83%	43.4279
chr1	21616856	21616907	ECE1	C1	EX1	NM_001397.2	40%	0%	8.8863
chr1	21616562	21616649	ECE1	C2	EX2	NM_001397.2	100%	85%	51.36
chr1	46860020	46860025	FAAH	C1	EX1	NM_001441.2	73%	8%	12.5487
chr1	40782794	40782869	COL9A2	C1	EX1	NM_001852.3	82%	1%	14.1886
chr1	40781261	40781336	COL9A2	C2	EX2	NM_001852.3	100%	69%	24.0408
chr1	40769599	40769644	COL9A2	C26	EX26	NM_001852.3	100%	90%	30.3583
chr1	40769478	40769511	COL9A2	C27	EX27	NM_001852.3	97%	51%	20.441
chr1	40769201	40769248	COL9A2	C28	EX28	NM_001852.3	88%	6%	17.3105
chr1	40768292	40768481	COL9A2	C30	EX30	NM_001852.3	82%	23%	15.4939
chr1	103481223	103481298	COL11A1	C12	EX12	NM_001854.3	92%	36%	18.1404
chr1	103380259	103380367	COL11A1	C15	EX15	NM_001854.3	100%	87%	28.467
chr1	103379907	103379961	COL11A1	C52	EX52	NM_001854.3	100%	94%	33.6184
chr1	103364496	103364560	COL11A1	C55	EX55	NM_001854.3	96%	85%	29.855
chr1	103363680	103363734	COL11A1	C57	EX57	NM_001854.3	96%	49%	19.9481
chr1	94374593	94374719	GCLM	C1	EX1	NM_002061.2	26%	1%	7.7166
chr1	94367140	94367225	GCLM	C3	EX3	NM_002061.2	100%	91%	39.4523
chr1	196797199	196797376	CFHR1	C4	EX4	NM_002113.2	99%	93%	85.8989
chr1	204159611	204159925	HES1	C2E	EX2E	NM_002256.3	99%	78%	26.0214
chr1	155162576	155162654	MALIC1	C1	EX1	NM_002456.5	98%	69%	23.3074
chr1	18958097	18958182	PAK7	C1	EX1	NM_002584.2	100%	92%	34.1484
chr1	64059159	64059405	PGM1	C1	EX1	NM_002633.2	98%	40%	27.4423
chr1	198661475	198661502	PTPRC	C2	EX3	NM_002838.4	96%	84%	28.6298
chr1	198717328	198717328	PTPRC	C26	EX27	NM_002838.4	96%	94%	40.7504
chr1	18961604	18961734	PAK7	C8	EX8	NM_002584.2	99%	80%	28.1671
chr1	44063418	44063724	PTPRF	C10	EX12	NM_002840.3	98%	72%	26.2512
chr1	94884034	94884144	ABCD3	C1	EX1	NM_002858.3	99%	90%	38.5688
chr1	109940208	109940514	SORT1	C1	EX1	NM_002959.5	36%	6%	8.6848
chr1	2162005	21611174	SKI	C1	EX1	NM_003036.3	99%	83%	44.6172
chr1	22747458	22747689	SKI	C6	EX6	NM_003036.3	99%	6%	18.0569
chr1	2238015	2238204	SKI	C7E	EX7E	NM_003036.3	27%	0%	7.4471
chr1	27428215	27428317	SLC9A1	C10	EX10	NM_003047.4	100%	92%	38.2973
chr1	27427693	27427766	SLC9A1	C11	EX11	NM_003047.4	96%	48%	19.7716
chr1	226128890	226128840	LEFTY2	C1	EX1	NM_003240.3	94%	68%	27.7086
chr1	226127455	226127702	LEFTY2	C2	EX2	NM_003240.3	93%	6%	18.5953
chr1	27699626	27699754	FN3	C5	EX5	NM_003665.2	100%	92%	31.3033
chr1	45308532	45308604	PTCH2	C1	EX1	NM_003738.4	100%	85%	28.8424
chr1	45294828	45294984	PTCH2	C10	EX10	NM_003738.4	100%	92%	30.5835
chr1	45294653	45294746	PTCH2	C11	EX11	NM_003738.4	100%	79%	25.4578
chr1	45293967	45294086	PTCH2	C13	EX13	NM_003738.4	100%	94%	32.9522
chr1	1923895	19239017	ALDH4A1	C1	EX1	NM_003748.3	82%	19%	14.4874
chr1	19205793	19205867	ALDH4A1	C9	EX9	NM_003748.3	99%	78%	28.0419
chr1	19203909	19204106	ALDH4A1	C10	EX10	NM_003748.3	100%	95%	36.2962
chr1	145516400	145516456	PEX1B	C1	EX1	NM_003846.2	97%	26%	23.7742
chr1	161645046	161645103	FCGR2B	C6	EX6	NM_004001.4	100%	93%	33.0423
chr1	163050031	163050112	COXA	C19E	EX20E	NM_004070.3	100%	78%	25.2519
chr1	1284275	1284445	DVL1	C1	EX1	NM_004421.2	100%	94%	38.8555

chr1	9776497	9776777	PK3CD	C4	EX6	NM_005026.3	99%	70%	23.6647	
chr1	9780668	9780719	PK3CD	C10	EX12	NM_005026.3	99%	73%	26.8971	
chr1	9780799	9780867	PK3CD	C11	EX63	NM_005026.3	100%	79%	26.7707	
chr1	9786966	9787104	PK3CD	C22E	EX24E	NM_005026.3	100%	94%	35.8555	
chr1	151789139	151789281	RORC	C4	EX4	NM_005060.3	100%	91%	31.6998	
chr1	205022313	205022383	CNTN2	C1	EX2	NM_005076.3	100%	94%	34.3629	
chr1	36563169	36565088	COL8A2	C2E	EX2E	NM_005202.2	91%	63%	35.8607	
chr1	92948420	92948563	GF3	C2	EX3	NM_005263.3	95%	81%	25.9044	
chr1	92946157	92946645	GF11	C3	EX4	NM_005263.3	100%	92%	36.8636	
chr1	92945904	92946042	GF11	C4	EX5	NM_005263.3	100%	90%	31.8387	
chr1	43814513	43814673	MPL	C9	EX9	NM_005372.2	77%	17%	14.0136	
chr1	214585026	214585094	PTPN14	C4	EX5	NM_005401.4	99%	86%	30.1702	
chr1	120295902	120296009	HMGCS2	C7	EX7	NM_005518.3	99%	67%	24.5618	
chr1	22269647	22269710	HSPG2	C1	EX1	NM_005529.5	0%	0%	1.6079	
chr1	22211020	22211167	HSPG2	C13	EX13	NM_005529.5	99%	68%	26.066	
chr1	22207831	22207995	HSPG2	C14	EX14	NM_005529.5	94%	93%	45.0833	
chr1	22201383	22201495	HSPG2	C26	EX26	NM_005529.5	97%	43%	18.6938	
chr1	22200898	22201026	HSPG2	C28	EX28	NM_005529.5	100%	91%	31.9237	
chr1	22199112	22199253	HSPG2	C32	EX32	NM_005529.5	100%	83%	27.3668	
chr1	22191335	22191566	HSPG2	C36	EX36	NM_005529.5	99%	81%	26.9818	
chr1	22190592	22190706	HSPG2	C37	EX37	NM_005529.5	99%	69%	24.5575	
chr1	22181103	22181258	HSPG2	C49	EX49	NM_005529.5	100%	95%	50.8856	
chr1	22180685	22180836	HSPG2	C50	EX50	NM_005529.5	100%	89%	32.9507	
chr1	22178580	22179276	HSPG2	C53	EX53	NM_005529.5	99%	93%	31.9478	
chr1	22169789	22169931	HSPG2	C66	EX66	NM_005529.5	99%	66%	25.4668	
chr1	22158987	22159099	HSPG2	C81	EX81	NM_005529.5	100%	90%	35.3239	
chr1	22158144	22158289	HSPG2	C82	EX82	NM_005529.5	99%	85%	32.6289	
chr1	22157955	22158055	HSPG2	C83	EX83	NM_005529.5	100%	93%	34.0805	
chr1	22156485	22156584	HSPG2	C86	EX86	NM_005529.5	100%	91%	31.4047	
chr1	22149088	22149215	HSPG2	C97E	EX97E	NM_005529.5	92%	65%	28.9103	
chr1	183155487	183155566	LAMC2	C1	EX1	NM_005562.2	100%	89%	31.0336	
chr1	149895732	149895906	SF3B4	C5	EX5	NM_005850.4	89%	48%	19.2423	
chr1	149895433	149895621	SF3B4	C6E	EX6E	NM_005850.4	98%	16%	22.51	
chr1	156737563	156738031	PRCC	C1	EX1	NM_005973.4	91%	70%	33.7008	
chr1	27022894	27023034	ARMD1A	C1	EX1	NM_006015.4	90%	32%	17.6628	
chr1	209974584	209974758	IRF6	C1	EX3	NM_006147.3	98%	70%	32.262	
chr1	110612957	110613234	ALX3	C1	EX1	NM_006492.2	56%	28%	12.2862	
chr1	43424304	43424322	SLC2A1	C1	EX1	NM_006516.2	43%	0%	11.6073	
chr1	114441339	114441423	AP4B1	C5	EX7	NM_006594.3	100%	95%	69.3743	
chr1	21106947	21107176	LANA2	C2	EX2	NM_006610.3	99%	85%	28.067	
chr1	11105464	11105596	MASP2	C4	EX4	NM_006610.3	92%	27%	16.644	
chr1	243579003	243579131	SDCCAG8	C14	EX14	NM_006642.3	100%	93%	34.1905	
chr1	243589728	243589860	SDCCAG8	C16	EX16	NM_006642.3	100%	93%	42.0242	
chr1	169454800	169455004	SLC19A2	C1	EX1	NM_006996.2	93%	33%	17.4401	
chr1	8420171	8421550	RERE	C17	EX19	NM_012102.3	70%	43%	37.2999	
chr1	8416169	8416569	RERE	C18	EX18	NM_012102.3	100%	79%	26.8806	
chr1	8415478	8415659	RERE	C21	EX23	NM_012102.3	100%	90%	37.6242	
chr1	47881987	47882947	FOXE3	C1E	EX1E	NM_012186.2	68%	43%	25.6552	
chr1	220445564	220445679	RAB3GAP2	C1	EX1	NM_012414.3	100%	89%	30.2078	
chr1	226111743	226111810	PYCR2	C1	EX1	NM_013238.2	63%	6%	11.5372	
chr1	156024680	156024748	LAMTOR2	C1	EX1	NM_014017.3	100%	80%	31.167	
chr1	213031794	213032532	FLK1	C1	EX1	NM_014053.3	94%	84%	97.9757	
chr1	179544725	179544999	NPHS2	C1	EX1	NM_014625.2	98%	89%	51.9765	
chr1	179528813	179528896	NPHS2	C4	EX4	NM_014625.2	99%	93%	34.7861	
chr1	31381295	31381433	SDC3	C1	EX1	NM_014654.3	0%	0%	0.0881	
chr1	31349398	31350212	SDC3	C3	EX3	NM_014654.3	99%	73%	42.3384	
chr1	55352561	55352792	DHCR24	C1	EX1	NM_014762.3	100%	91%	35.8002	
chr1	55341614	55341720	DHCR24	C3	EX3	NM_014762.3	100%	88%	28.0775	
chr1	6012759	6012896	NPHP4	C6	EX6	NM_015102.3	98%	79%	40.2803	
chr1	5969211	5969273	NPHP4	C11	EX12	NM_015102.3	100%	90%	29.453	
chr1	5924397	5924577	NPHP4	C27	EX28	NM_015102.3	99%	72%	23.9772	
chr1	6741615	67416187	SLC3D1	C5	EX5	NM_015139.2	100%	95%	36.1726	
chr1	6845590	6845635	CAMTA1	C1	EX5	NM_015215.2	3%	0%	4.4227	
chr1	7721785	7721926	CAMTA1	C8	EX8	NM_015215.2	93%	38%	18.5192	
chr1	43855639	43855666	SZT2	C1	EX1	NM_015284.3	90%	37%	10.3892	
chr1	43907670	43907801	SZT2	C55	EX55	NM_015284.3	100%	95%	83.3566	
chr1	205180389	205180663	OSTFYLK	C1	EX1	NM_015275.2	100%	91%	36.1618	
chr1	25870189	25870277	LDLRAP1	C1	EX1	NM_015627.2	11%	0%	5.7469	
chr1	25889560	25889644	LDLRAP1	C6	EX6	NM_015627.2	100%	93%	31.7498	
chr1	25893338	25893483	LDLRAP1	C9E	EX9E	NM_015627.2	98%	69%	24.1752	
chr1	22964109	22964272	C1QA	C2	EX2	NM_015991.2	100%	89%	25%	40.3699
chr1	214792471	214792563	CEBPB	C4	EX4	NM_016454.3	99%	73%	25.1784	
chr1	7844937	7845065	PER3	C1	EX1	NM_016831.1	94%	58%	22.8314	
chr1	40348989	40349163	TRIT1	C1	EX1	NM_017646.4	100%	95%	35.157	
chr1	220267558	220267825	IARS2	C1	EX1	NM_018060.3	97%	72%	26.6173	
chr1	1447648	1447853	ATAD3A	C1	EX1	NM_018188.3	92%	42%	19.0904	
chr1	1452546	1452782	ATAD3A	C3	EX3	NM_018188.3	97%	85%	51.1	
chr1	231762613	231762680	DISC1	C1	EX1	NM_018662.2	7%	0%	4.9287	
chr1	232172437	232172577	DISC1	C13E	EX13E	NM_018662.2	98%	64%	19.2062	
chr1	220101142	220101782	SLC30A10	C1	EX1	NM_018713.2	98%	68%	24.8131	
chr1	150524764	150524784	ADAMTSL4	C1	EX3	NM_019032.4	99%	77%	25.968	
chr1	150527904	150528041	ADAMTSL4	C6	EX6	NM_019032.4	100%	93%	38.4157	
chr1	150531437	150531541	ADAMTSL4	C14	EX14	NM_019032.4	100%	87%	33.2756	
chr1	240255409	240257024	FMN2	C1	EX1	NM_020066.4	97%	85%	59.3583	
chr1	240370098	240372032	FMN2	C5	EX5	NM_020066.4	98%	86%	69.7913	
chr1	227165149	227165224	ADCK3	C4	EX4	NM_020247.4	49%	3%	9.7439	
chr1	227169727	227169850	ADCK3	C5	EX5	NM_020247.4	100%	87%	30.495	
chr1	160385627	160385628	VANGL2	C1	EX2	NM_020335.2	100%	93%	37.0599	
chr1	26126721	26126904	SEPN1	C1	EX1	NM_020451.2	0%	0%	1.0079	
chr1	26128506	26128608	SEPN1	C3	EX3	NM_020451.2	1%	0%	1.7444	
chr1	25735173	25735360	RHCE	C2	EX2	NM_020485.4	48%	48%	48.5917	
chr1	6534072	6534224	PLEKHG5	C7	EX7	NM_020631.4	100%	91%	32.7593	
chr1	6533310	6533510	PLEKHG5	C11	EX11	NM_020631.4	100%	91%	38.0366	
chr1	6531547	6531697	PLEKHG5	C6	EX6	NM_020631.4	100%	92%	32.6997	
chr1	6527884	6528646	PLEKHG5	C19	EX20	NM_020631.4	98%	68%	24.2656	
chr1	196759174	196759357	CFHR3	C5	EX5	NM_021023.5	98%	94%	81.7001	
chr1	101004522	101005677	GP88	C1E	EX2E	NM_022049.2	87%	66%	37.304	
chr1	231556743	231557634	EGLN1	C1	EX1	NM_022051.2	98%	86%	39.0727	
chr1	17328323	17328323	ATP13A2	C1	EX1	NM_022089.2	51%	2%	10.0706	
chr1	17328790	17328868	ATP13A2	C7	EX7	NM_022089.2	100%	88%	30.7717	
chr1	17322880	17322991	ATP13A2	C13	EX13	NM_022089.2	100%	91%	69.3719	
chr1	17320123	17320330	ATP13A2	C16	EX16	NM_022089.2	99%	82%	27.2771	
chr1	17313540	17313764	ATP13A2	C26	EX26	NM_022089.2	99%	47%	19.6817	
chr1	17312857	17313127	ATP13A2	C28	EX28	NM_022089.2	100%	92%	33.058	
chr1	17317215	17312853	ATP13A2	C29E	EX29E	NM_022089.2	100%	90%	31.1769	
chr1	2985823	2985860	PRDM16	C1	EX1	NM_022114.3	93%	50%	20.8587	
chr1	3331123	3331211	PRDM16	C10	EX10	NM_022114.3	100%	83%	27.9173	
chr1	3347435	3347672	PRDM16	C15	EX15	NM_022114.3	100%	93%	40.1169	
chr1	43232177	43232642	LEPRE1	C1	EX1	NM_022356.3	99%	82%	42.7616	
chr1	156131136	156131309	SEMA4A	C8	EX9	NM_022367.3	99%	91%	48.2975	
chr1	170633359	170633600	PRRX1	C1	EX1	NM_022716.2	99%	91%	31.6666	
chr1	193202122	193202284	CDC73	C14	EX14	NM_024259.4	100%	94%	36.9583	
chr1	38019606	38019830	SNIP1	C1	EX1	NM_024700.3	100%	93%	52.4109	
chr1	45805924	45805976	TOE1	C1	EX1	NM_025077.3	100%	89%	28.7457	
chr1	224621385	224621807	WDR26	C1	EX1	NM_025106.6	100%	91%	83.2828	
chr1	22469338	22469415	WNT4	C1	EX1	NM_030761.4	1%	0%	2.7005	
chr1	6485015	6485309	ESPN	C1	EX3	NM_031475.2	12%	0%	5.2458	
chr1	6500313	6500500	ESPN	C3	EX3	NM_031475.2	53%	2%	10.1809	
chr1	6500685	6500868	ESPN	C4	EX4	NM_031475.2	22%	0%	6.8089	
chr1	6500993	6501125	ESPN	C5	EX5	NM_031475.2	99%	85%	37.8733	
chr1	6505723	6505995	ESPN	C7	EX7	NM_031475.2	69%	29%	14.65	
chr1	6508700	6509151	ESPN	C8	EX8	NM_031475.2	17%			

chr21	46929269	46929515	COL18A1	C39	EX129	NM_130445.2	87%	33%	7%	16.6314
chr21	45919665	45919819	TSPPEAR	C12E	EX3	NM_144991.2	89%	33%	6%	16.9371
chr21	38414851	38414924	PGP	C2	EX2	NM_153681.2	87%	27%	2%	16.2604
chr21	44836621	44836997	SK1	C13E	EX14E	NM_173554.3	100%	86%	59%	40.8184
chr21	15558281	15558390	LPI1	C3	EX3	NM_198996.2	97%	54%	15%	21.2764
chr21	15524893	15525005	LPI1	C8	EX8	NM_198996.2	99%	60%	62%	33.5875
chr22	33197987	33198108	TMP3	C1	EX1	NM_000362.4	99%	97%	24%	24.1549
chr22	37182349	37182424	CFB2	C1	EX1	NM_000395.2	98%	60%	17%	22.5326
chr22	43045300	43045321	CYB5R3	C1	EX1	NM_000398.6	0%	0%	0%	2.7781
chr22	19711376	19711987	GP188	C2E	EX2E	NM_000407.4	98%	83%	54%	34.1276
chr22	51065983	51066207	ARSA	C1	EX1	NM_000487.5	100%	94%	72%	37.0733
chr22	25625402	25625545	CRY8B2	C4	EX5	NM_000496.2	100%	90%	54%	32.1754
chr22	38129304	38129419	TRIOBP	C6	EX8	NM_001039141.2	99%	88%	51%	30.8806
chr22	38161676	38161824	TRIOBP	C16	EX18	NM_001039141.2	99%	81%	47%	29.6217
chr22	41548209	41548354	EP300	C16	EX16	NM_001429.3	100%	88%	62%	36.242
chr22	41569626	41569788	EP300	C29	EX29	NM_001429.3	99%	78%	47%	29.445
chr22	18082792	18082861	ATPV61E1	C6	EX6	NM_001696.3	75%	17%	4%	14.2377
chr22	50965004	50965167	TYMP	C6	EX7	NM_001953.4	93%	39%	4%	17.9989
chr22	50964674	50964805	TYMP	C7	EX8	NM_001953.4	93%	44%	9%	19.3203
chr22	50964429	50964570	TYMP	C8	EX9	NM_001953.4	84%	19%	2%	14.9123
chr22	50964198	50964347	TYMP	C9E	EX10E	NM_001953.4	98%	67%	26%	24.3512
chr22	24236958	24237131	MIF	C2	EX2	NM_002415.1	98%	82%	39%	27.6375
chr22	28192750	28196531	MMN1	C1	EX1	NM_002430.2	100%	95%	87%	85.1842
chr22	39639905	39639968	PDGF8	C1	EX1	NM_002608.2	99%	80%	32%	26.3071
chr22	50913214	50913269	SBF1	C2	EX2	NM_002972.2	57%	5%	0%	11.2728
chr22	50905033	50905139	SBF1	C6	EX6	NM_002972.2	99%	89%	55%	32.0166
chr22	50904191	50904269	SBF1	C10	EX10	NM_002972.2	98%	79%	43%	28.5998
chr22	50901711	50901861	SBF1	C16	EX16	NM_002972.2	99%	84%	60%	35.1146
chr22	50899587	50899715	SBF1	C23	EX23	NM_002972.2	99%	78%	41%	27.7697
chr22	50897998	50898055	SBF1	C27	EX27	NM_002972.2	98%	82%	40%	27.8566
chr22	50894920	50895102	SBF1	C30	EX30	NM_002972.2	100%	94%	75%	39.2432
chr22	21213398	21213635	SNAP29	C1	EX1	NM_004782.3	99%	84%	52%	30.6893
chr22	29196285	29196512	XBP1	C1	EX1	NM_005080.3	97%	54%	13%	12.221
chr22	51020986	51021210	CHH8	C1	EX1	NM_005198.4	99%	78%	47%	29.42
chr22	51020677	51020986	CHH8	C2	EX2	NM_005198.4	98%	67%	18%	22.8081
chr22	19166092	19166186	SLC25A1	C1	EX1	NM_005984.3	20%	0%	0%	6.7541
chr22	19165645	19165753	SLC25A1	C2	EX2	NM_005984.3	99%	67%	21%	23.6729
chr22	19165454	19165554	SLC25A1	C3	EX3	NM_005984.3	99%	68%	23%	23.004
chr22	19165239	19165378	SLC25A1	C4	EX4	NM_005984.3	100%	81%	36%	27.0476
chr22	45892223	45892326	TNFRSF3	C1	EX1	NM_006440.3	99%	3%	0%	9.9203
chr22	45898865	45898944	FBLN1	C1	EX1	NM_006486.2	4%	0%	0%	4.4963
chr22	35819206	35819334	MCMS5	C15	EX15	NM_006739.3	100%	94%	41%	24.774
chr22	45921422	45921558	FBLN1	C3	EX3	NM_006866.2	99%	84%	49%	30.4855
chr22	21343913	21343971	LZTR1	C3	EX3	NM_006767.3	97%	81%	61%	34.7397
chr22	29115382	29115473	CHEK2	C4	EX4	NM_007194.3	100%	90%	59%	32.7949
chr22	29099446	29099548	MCMS5	C16E	EX17E	NM_006739.3	100%	93%	69%	32.8084
chr22	29099492	29099554	CHEK2	C7	EX8	NM_007194.3	99%	78%	31%	26.0522
chr22	29091697	29091861	CHEK2	C10	EX11	NM_007194.3	100%	94%	71%	35.737
chr22	32870989	32871111	FBXO7	C1	EX1	NM_012179.3	94%	21%	2%	11.8773
chr22	46067943	46068059	ATXN10	C1	EX1	NM_013236.3	86%	24%	2%	15.5586
chr22	37167693	37167751	NCG5	C6	EX6	NM_013416.3	100%	96%	64%	34.6565
chr22	17565981	17566119	IL17RA	C1	EX1	NM_014339.5	38%	2%	0%	8.6209
chr22	18923527	18923800	PRODH	C1	EX2	NM_016335.4	2%	0%	0%	3.6543
chr22	50502462	50502627	MLC1	C10	EX10	NM_015166.3	99%	92%	72%	38.8568
chr22	18593631	18593634	TUBA8	C1	EX1	NM_018943.2	96%	40%	4%	18.8444
chr22	23922171	23922377	IGLL1	C2	EX2	NM_020277.3	99%	86%	61%	38.4177
chr22	23917153	23917269	IGLL1	C2	EX2	NM_020270.3	100%	94%	72%	37.4171
chr22	40813344	40813497	MKL1	C10	EX13	NM_020831.3	100%	92%	68%	36.5999
chr22	29876251	29877134	NEFH	C1	EX1	NM_021076.3	60%	10%	1%	11.8773
chr22	29884837	29886692	NEFH	C4E	EX4E	NM_021076.3	99%	90%	78%	94.007
chr22	20255593	20255615	TRNAR	C1	EX1	NM_023004.5	84%	23%	2%	15.0876
chr22	37471779	37471989	KCTD17	C1	EX1	NM_024631.2	64%	12%	1%	12.3694
chr22	29469118	29469215	KREMEN1	C1	EX1	NM_024054.4	3%	0%	0%	3.8672
chr22	51113069	51113132	SHANK3	C1	EX1	NM_033517.1	31%	3%	0%	8.0797
chr22	51113475	51113679	SHANK3	C2	EX2	NM_033517.1	96%	65%	25%	23.964
chr22	51135984	51135991	SHANK3	C11	EX11	NM_033517.1	0%	0%	0%	0.9147
chr22	51135991	51136143	SHANK3	C11	EX11	NM_033517.1	0%	0%	0%	1.5115
chr22	51144499	51144580	SHANK3	C17	EX17	NM_033517.1	84%	21%	3%	15.2999
chr22	51158611	51160865	SHANK3	C21	EX21	NM_033517.1	92%	74%	66%	54.8175
chr22	51169148	51169740	SHANK3	C22E	EX22E	NM_033517.1	83%	66%	53%	32.3556
chr22	42322641	42322777	TNFRSF13C	C1	EX1	NM_052945.3	14%	0%	0%	5.7587
chr22	42322104	42322335	TNFRSF13C	C2	EX2	NM_052945.3	99%	61%	39%	26.9453
chr22	21212857	21213013	PIAKA	C1	EX1	NM_058004.3	99%	78%	48%	30.8238
chr22	21174826	21174899	PIAKA	C5	EX5	NM_058004.3	94%	52%	17%	21.0366
chr22	21067568	21067678	PIAKA	C48	EX48	NM_058004.3	72%	10%	1%	12.9079
chr22	21065628	21065749	PIAKA	C51	EX51	NM_058004.3	99%	102%	80%	73.353
chr22	21063583	21063667	PIAKA	C54	EX54	NM_058004.3	99%	85%	59%	33.5971
chr22	19748427	19748803	TBX1	C1	EX1	NM_080647.1	47%	33%	15%	13.168
chr22	19753424	19753525	TBX1	C7	EX8	NM_080647.1	97%	68%	23%	24.2187
chr22	19753911	19754390	TBX1	C8E	EX9E	NM_080647.1	63%	31%	7%	14.3773
chr22	20039987	20040107	C22orf25	C3	EX4	NM_152906.4	99%	91%	67%	37.438
chr22	20791868	20792041	SCARF2	C1	EX1	NM_153334.4	44%	4%	0%	9.2386
chr22	20785304	20785324	SCARF2	C4	EX4	NM_153334.4	77%	33%	17%	17.8661
chr22	20784976	20785195	SCARF2	C5	EX5	NM_153334.4	99%	82%	54%	33.2067
chr22	37491590	37491632	TMPS56	C6	EX6	NM_153609.2	79%	14%	1%	13.5899
chr22	37469955	37467072	TMPS56	C14	EX14	NM_153609.2	100%	92%	60%	32.885
chr22	24110020	24110061	CHCHD10	C1	EX1	NM_213720.1	100%	91%	53%	32.4596
chr22	24109560	24109780	CHCHD10	C2	EX2	NM_213720.1	85%	49%	22%	20.5537
chr22	241810060	241810125	AGXT	C3	EX3	NM_000030.2	98%	65%	19%	23.0003
chr22	241810765	241810866	AGXT	C4	EX4	NM_000030.2	99%	90%	54%	31.7859
chr22	241816953	241817049	AGXT	C9	EX9	NM_000030.2	75%	31%	0%	13.2641
chr22	241818130	241818238	AGXT	C11E	EX11E	NM_000030.2	99%	82%	46%	29.6631
chr22	189858729	189858783	COL3A1	C11	EX11	NM_000090.3	99%	81%	35%	27.3034
chr22	228029442	228029529	COL4A3	C1	EX1	NM_000091.4	2%	0%	0%	3.6897
chr22	227984610	227984655	COL4A4	C5	EX6	NM_000092.4	98%	90%	55%	31.0135
chr22	38301488	38302531	CYP11B1	C1	EX2	NM_000104.3	94%	70%	52%	45.3534
chr22	48010372	48010632	MSH6	C1	EX1	NM_000179.2	95%	57%	29%	36.7939
chr22	173292516	173292698	ITGA6	C1	EX1	NM_000210.2	99%	87%	51%	30.5737
chr22	27310127	27310129	KH	C1	EX1	NM_000221.2	100%	92%	54%	32.4599
chr22	48982649	48982810	LHCGR	C1	EX1	NM_000233.3	35%	2%	0%	8.5024
chr22	47630330	47630541	MSH2	C1	EX1	NM_000251.2	100%	94%	74%	41.1798
chr22	128180609	128180747	PROC	C4	EX5	NM_000312.3	99%	70%	26%	37.7767
chr22	128180849	128180984	PROC	C5	EX6	NM_000312.3	98%	70%	64%	24.1091
chr22	31805882	31805969	SRD5A2	C1	EX1	NM_000348.3	87%	33%	6%	16.9518
chr22	31805889	31805882	SRD5A2	C1	EX1	NM_000348.3	93%	39%	7%	18.4175
chr22	21266735	21266817	APOB	C1	EX1	NM_000384.2	1%	0%	0%	2.974
chr22	18909904	18909958	COL5A2	C47	EX47	NM_000393.3	92%	32%	2%	17.2966
chr22	215674135	215674293	BARD1	C1	EX1	NM_000465.2	97%	57%	20%	22.2816
chr22	215633955	215634036	BARD1	C5	EX5	NM_000465.2	100%	92%	51%	30.6362
chr22	176957618	176958399	HOMD13	C1	EX1	NM_000523.3	95%	81%	67%	50.6449
chr22	1480857	1481376	TPO	C7	EX8	NM_000547.5	95%	80%	30%	23.2957
chr22	219252522	219252678	SLC11A1	C8	EX8	NM_000578.3	100%	93%	72%	48.4926
chr22	219256098	219256218	SLC11A1	C11	EX11	NM_000578.3	100%	91%	58%	32.5584
chr22	152955462	152955525	CACNB4	C1	EX1	NM_000726.3				

chr2	23389925	23390216	PRSS56	C10E	EX13E	NM_001195129.1	97%	61%	28%	24.6675
chr2	152465119	152465227	NEB	C82	EX8A	NM_001271208.1	95%	87%	79%	62.6739
chr2	232236223	232236246	ARMC9	C24E	EX25E	NM_00127466.1	0%	0%	0%	1.6944
chr2	46525050	46525076	EPAS1	C1	EX1	NM_001430.4	94%	47%	9%	19.4849
chr2	46605032	46605226	EPAS1	C10	EX10	NM_001430.4	100%	89%	49%	31.1721
chr2	71163084	71163202	ATP6V1B1	C1	EX1	NM_001692.3	100%	86%	61%	34.6881
chr2	47387914	47387943	CALM2	C6E	EX6E	NM_001743.4	94%	47%	8%	19.5265
chr2	87017899	87017948	CDM1	C11	EX11	NM_001759.6	85%	23%	0%	15.5141
chr2	87016762	87016873	CDBA	C3	EX3	NM_001768.6	95%	40%	3%	18.3665
chr2	175869621	175869640	CHN1	C1	EX1	NM_001822.5	78%	12%	0%	13.8395
chr2	220283184	220283762	DES	C1	EX1	NM_001927.3	100%	91%	72%	42.4631
chr2	69614196	69614203	GFPT1	C1	EX1	NM_002056.3	38%	2%	0%	8.3443
chr2	127413839	127413888	GYPC	C1	EX1	NM_002101.4	100%	71%	26%	24.5572
chr2	47596544	47596720	EPCAM	C1	EX1	NM_002554.2	85%	35%	9%	17.7089
chr2	20212169	20212392	MATN3	C1	EX1	NM_002381.4	2%	0%	0%	3.951
chr2	148701004	148701091	ORC4	C9	EX10	NM_002552.4	98%	56%	13%	21.7769
chr2	232645774	232645824	PDE6D	C1	EX1	NM_002601.2	93%	49%	10%	19.9321
chr2	61244894	61244896	PEX13	C1	EX1	NM_002618.3	100%	90%	62%	36.052
chr2	3605722	3605850	RNASEH1	C1	EX1	NM_002936.3	99%	87%	44%	28.823
chr2	65216777	65217304	SLC1A4	C1	EX1	NM_003038.4	98%	70%	50%	37.377
chr2	73114561	73114865	SPR	C1	EX1	NM_003124.4	51%	2%	0%	9.827
chr2	113994177	113994298	PAX8	C7	EX8	NM_003466.3	99%	87%	54%	30.7315
chr2	113992970	113993159	PAX8	C8	EX9	NM_003466.3	100%	89%	50%	30.9085
chr2	113977668	113977755	PAX8	C10	EX11	NM_003466.3	96%	52%	17%	21.1182
chr2	71785094	71785201	DYSF	C22	EX22	NM_003494.3	100%	92%	50%	30.6977
chr2	71894505	71894645	DYSF	C47	EX47	NM_003494.3	99%	82%	41%	28.8307
chr2	225449660	225449726	CUL3	C1	EX1	NM_003590.4	96%	63%	23%	23.7486
chr2	10183843	10183885	KLF11	C1	EX1	NM_003597.4	25%	1%	0%	7.3919
chr2	178257517	178257777	AGPS1	C1	EX1	NM_003659.3	92%	64%	25%	23.6397
chr2	179315692	179315757	PRKRA	C1	EX1	NM_003690.4	77%	48%	23%	25.3145
chr2	172750712	172750724	SLC25A12	C8	EX8	NM_003705.4	100%	89%	46%	30.2527
chr2	172690472	172690566	SLC25A12	C8	EX8	NM_003705.4	100%	92%	63%	33.527
chr2	172671630	172671712	SLC25A12	C10	EX10	NM_003705.4	98%	74%	29%	25.2467
chr2	84686296	84686393	SUCLG1	C1	EX1	NM_003849.3	98%	67%	26%	24.6686
chr2	84616772	84616876	SUCLG1	C2	EX2	NM_003849.3	79%	1%	1%	14.1759
chr2	86115946	86116028	STGAL5	C1	EX1	NM_003896.3	0%	0%	0%	1.8409
chr2	216176865	216176884	ATIC	C1	EX1	NM_004044.6	2%	0%	0%	3.826
chr2	30142858	30143525	ALK	C1	EX1	NM_004304.4	97%	83%	45%	43.7945
chr2	241726667	24172733	KIF1A	C4	EX4	NM_004321.6	100%	63%	15%	22.6982
chr2	241722006	241722026	KIF1A	C9	EX9	NM_004321.6	99%	45%	9%	19.5555
chr2	241710387	241710521	KIF1A	C13	EX13	NM_004321.6	100%	95%	78%	44.3236
chr2	241702435	241702508	KIF1A	C20	EX20	NM_004321.6	99%	81%	47%	30.2442
chr2	241697776	241697914	KIF1A	C24	EX24	NM_004321.6	100%	89%	45%	30.04
chr2	241682345	241682401	KIF1A	C31	EX31	NM_004321.6	100%	94%	52%	31.5357
chr2	241680855	241680794	KIF1A	C32	EX32	NM_004321.6	100%	86%	51%	31.6225
chr2	241661872	241661873	KIF1A	C40	EX40	NM_004321.6	99%	74%	30%	25.6740
chr2	241660330	241660455	KIF1A	C42	EX42	NM_004321.6	85%	18%	1%	14.8004
chr2	241659190	241659343	KIF1A	C43	EX43	NM_004321.6	99%	75%	25%	24.6987
chr2	241657466	241657585	KIF1A	C45	EX45	NM_004321.6	96%	40%	6%	18.6409
chr2	241656780	241656823	KIF1A	C46E	EX46E	NM_004321.6	100%	93%	66%	34.1105
chr2	149623186	149623187	KIF5C	C1	EX1	NM_004522.2	97%	62%	32%	26.8652
chr2	149818484	149818633	KIF5C	C11	EX11	NM_004522.2	100%	90%	80%	48.9997
chr2	170218830	170218909	LRP2	C1	EX1	NM_004525.2	62%	4%	0%	11.1009
chr2	170088223	170088352	LRP2	C31	EX31	NM_004525.2	100%	82%	42%	29.3824
chr2	240964643	240964718	NDUFA10	C1	EX1	NM_004544.3	58%	9%	0%	11.1402
chr2	239705610	239705617	HSD17E1	C1	EX1	NM_004807.2	89%	46%	24%	18.745
chr2	233350577	233351363	ECEL1	C1	EX2	NM_004826.2	88%	53%	20%	21.0465
chr2	233344862	233344962	ECEL1	C17E	EX18E	NM_004826.2	99%	85%	41%	28.17
chr2	88926484	88926792	EIF2AK3	C1	EX1	NM_004836.5	29%	3%	0%	7.734
chr2	242794349	242794505	PDCD1	C3	EX3	NM_005018.2	92%	38%	10%	18.3651
chr2	233404457	233404512	CHRN3	C1	EX1	NM_005199.4	100%	65%	63%	34.0282
chr2	121736009	121736059	GU1	C9	EX9	NM_005270.4	99%	93%	74%	38.735
chr2	121745783	121748251	GU1	C13E	EX13E	NM_005270.4	91%	78%	64%	41.9238
chr2	16082186	16082976	MYCN	C1	EX2	NM_005378.4	86%	56%	43%	41.9067
chr2	45171706	45171899	SIX1	C2E	EX2E	NM_005413.3	100%	95%	78%	55.0739
chr2	39347476	39347563	SOX3	C1	EX1	NM_005633.3	65%	8%	0%	11.7553
chr2	220083846	220083995	ABC6	C1	EX1	NM_005689.2	99%	82%	71%	62.9795
chr2	220080718	220080902	ABC6	C5	EX5	NM_005689.2	99%	83%	44%	29.3202
chr2	220299699	220300087	SPEG	C1	EX1	NM_005876.4	36%	1%	0%	8.5291
chr2	220312695	220313993	SPEG	C4	EX4	NM_005876.4	76%	50%	26%	22.7418
chr2	220316346	220316529	SPEG	C6	EX6	NM_005876.4	95%	47%	6%	19.397
chr2	220336948	220337053	SPEG	C15	EX15	NM_005876.4	100%	84%	42%	28.4616
chr2	220337611	220337818	SPEG	C16	EX16	NM_005876.4	99%	81%	35%	26.7967
chr2	220347819	220347974	SPEG	C30	EX30	NM_005876.4	88%	69%	51%	36.9505
chr2	136633828	136633935	MCM6	C1	EX1	NM_005915.5	99%	77%	38%	27.2113
chr2	220118577	220118580	TNFBAA	C1	EX1	NM_006000.1	99%	66%	17%	23.0657
chr2	178232529	178232604	NFZL2	C1	EX1	NM_006164.4	100%	60%	0%	16.4646
chr2	74092022	74092374	MOR2D2	C1	EX1	NM_006202.2	92%	48%	17%	20.9465
chr2	112656312	112656373	MERTK	C1	EX1	NM_006343.2	97%	51%	10%	20.1841
chr2	43019596	43019676	HAO	C1	EX1	NM_012205.2	98%	62%	16%	22.516
chr2	1748027	1748227	PXDN	C1	EX1	NM_012293.1	21%	0%	0%	6.6332
chr2	74757433	74757639	HTRA2	C1	EX1	NM_013247.4	99%	88%	75%	54.0431
chr2	191125881	191125960	HIBC	C7	EX7	NM_015652.3	99%	83%	53%	30.7291
chr2	73612996	73613031	ALMS1	C1	EX1	NM_015120.4	32%	2%	0%	8.5881
chr2	73613031	73613320	ALMS1	C1	EX1	NM_015120.4	77%	29%	5%	15.6855
chr2	200320591	200320760	SATB2	C1	EX3	NM_015265.3	99%	74%	24%	24.8836
chr2	220434942	220435954	OBSS1	C1	EX1	NM_015311.2	78%	45%	24%	20.9776
chr2	220423205	220423181	OBSS1	C10	EX10	NM_015311.2	99%	89%	74%	60.2225
chr2	220417589	220417746	OBSS1	C17	EX17	NM_015311.2	20%	0%	0%	6.8287
chr2	220417257	220417419	OBSS1	C18	EX18	NM_015311.2	76%	9%	1%	12.9257
chr2	220416250	220416520	OBSS1	C20	EX20	NM_015311.2	97%	75%	36%	27.0127
chr2	86304981	86304981	POLR1A	C11	EX11	NM_015425.3	100%	95%	87%	89.0903
chr2	86267514	86267582	POLR1A	C25	EX25	NM_015425.3	100%	93%	65%	36.1194
chr2	27593150	27593181	EIF2B4	C1	EX1	NM_015636.3	100%	70%	22%	24.089
chr2	27592742	27592786	EIF2B4	C2	EX2	NM_015636.3	100%	87%	38%	27.593
chr2	239229303	239229426	TRAF3IP1	C1	EX1	NM_015650.3	89%	26%	3%	16.3924
chr2	239237566	239237983	TRAF3IP1	C5	EX5	NM_015650.3	86%	32%	6%	17.0024
chr2	150427598	150427685	MMA4HC	C6	EX7	NM_015702.2	100%	93%	78%	38.5785
chr2	15567834	15567918	NBS	C22	EX22	NM_015909.3	100%	95%	80%	32.7074
chr2	63719899	63720074	WDPCP	C2	EX2	NM_015910.5	100%	87%	46%	29.7061
chr2	63664554	63664688	WDPCP	C8	EX8	NM_015910.5	98%	83%	52%	30.102
chr2	96930875	96931119	TMEM127	C1	EX2	NM_017849.3	83%	61%	43%	27.0456
chr2	234160473	234160588	ATG16L1	C1	EX1	NM_017974.3	48%	4%	0%	10.0484
chr2	26068159	26068163	ASXL2	C3	EX3	NM_018153.4	62%	16%	6%	12.2763
chr2	72374759	72374963	CYP26B1	C1	EX1	NM_019885.2	74%	13%	0%	13.3856
chr2	72360151	72360436	CYP26B1	C5	EX5	NM_019885.2	100%	90%	63%	34.511
chr2	47168880	47168884	TTC7A	C1	EX1	NM_020458.2	86%	20%	0%	14.9211
chr2	47278884	47279019	TTC7A	C18	EX18	NM_020458.2	100%	94%	67%	35.047
chr2	197172658	197172809	HECW2	C10	EX10	NM_020760.1	100%	83%	28%	26.0224
chr2	166237602	166237707	SCHZ1	C24	EX25	NM_021007.2	98%	92%	61%	32.3388
chr2	44065675	44065818	ABCG5	C1	EX1	NM_022436.2	98%	66%	21%	23.4115
chr2	44059085	44059222	ABCG5	C3	EX3	NM_022436.2	100%	87%	44%	29.4462
chr2	44058907	44059006	ABCG5	C4	EX4	NM_022436.2	94%	39%	7%	18.3705
chr2	44066192	44066255	ABCG8	C1	EX1	NM_022437.2	82%	14%	0%</	

chr2	127809830	127809938	BN1	C15	EX15	NM_139343.2	100%	0%	0%	5.3658
chr2	127808729	127808819	BN1	C16	EX16	NM_139343.2	10%	93%	59%	32.1688
chr2	127808377	127808468	BN1	C17	EX17	NM_139343.2	99%	80%	46%	28.041
chr2	88991216	88991501	RPIA	C1	EX1	NM_144563.2	77%	32%	9%	16.5555
chr2	27603338	27603393	ZNF513	C1	EX1	NM_144631.5	100%	83%	44%	28.7891
chr2	26624857	26625012	CCDC164	C1	EX1	NM_145038.2	99%	76%	31%	26.147
chr2	26632425	26632385	CCDC164	C18	EX8	NM_145038.2	99%	81%	46%	30.057
chr2	26636187	26636147	CCDC164	C14	EX8	NM_145038.2	100%	93%	59%	32.8215
chr2	233194522	233194706	DISL2	C14	EX15	NM_152383.4	99%	87%	62%	34.192
chr2	242674639	242674931	DZHG0H	C1	EX2	NM_152783.3	88%	59%	36%	24.6402
chr2	242707124	242707384	DZHG0H	C9E	EX10E	NM_152783.3	99%	75%	30%	25.7515
chr2	215976319	215976413	ABCA12	C2	EX2	NM_173076.2	100%	94%	61%	33.2433
chr2	25536781	25536853	DNMT3A	C1	EX2	NM_175629.2	95%	42%	12%	14.6454
chr2	25497809	25497956	DNMT3A	C5	EX6	NM_175629.2	100%	93%	67%	36.1094
chr2	223163249	223163334	PAX3	C1	EX1	NM_181457.3	100%	88%	57%	32.669
chr2	223161696	223161932	PAX3	C2	EX2	NM_181457.3	100%	94%	58%	32.3964
chr2	26781360	26781439	OTOF	C1	EX1	NM_194248.2	100%	93%	64%	34.4271
chr2	26703653	26703877	OTOF	C15	EX15	NM_194248.2	100%	94%	83%	51.4468
chr2	26698995	26699185	OTOF	C23	EX23	NM_194248.2	100%	83%	59%	33.1358
chr2	26698781	26698906	OTOF	C24	EX24	NM_194248.2	100%	91%	68%	36.2078
chr2	26696858	26696978	OTOF	C27	EX27	NM_194248.2	100%	91%	50%	31.6963
chr2	26687736	26687897	OTOF	C39	EX39	NM_194248.2	100%	90%	64%	34.1403
chr2	26686350	26686439	OTOF	C41	EX41	NM_194248.2	100%	85%	41%	28.2806
chr2	85895239	85895342	SFTPB	C1	EX2	NM_198843.2	83%	18%	1%	14.6454
chr2	85890786	85890970	SFTPB	C7	EX7	NM_198843.2	100%	75%	21%	24.4704
chr2	85889151	85889232	SFTPB	C9	EX9	NM_198843.2	95%	58%	17%	21.3838
chr2	28974990	28975042	PPP1CB	C1	EX10	NM_206876.1	100%	72%	26%	25.1066
chr2	74374947	74375001	BOLA3	C1	EX1	NM_212552.2	25%	0%	0%	7.6197
chr2	48632507	48632592	COL7A1	C1	EX1	NM_000094.3	96%	56%	20%	22.1216
chr2	48628086	48628205	COL7A1	C12	EX12	NM_000094.3	99%	83%	47%	29.3461
chr2	48625714	48625837	COL7A1	C20	EX20	NM_000094.3	98%	79%	26%	25.0693
chr2	48622468	48622549	COL7A1	C32	EX32	NM_000094.3	100%	86%	51%	30.8965
chr2	48603068	48603101	COL7A1	C114	EX114	NM_000094.3	100%	87%	59%	33.3235
chr2	98311792	98312348	CPOX	C1	EX1	NM_000097.5	91%	63%	47%	35.6055
chr2	93692517	93692593	PROS1	C1	EX1	NM_000313.3	100%	86%	46%	29.5598
chr2	93643083	93643108	PROS1	C3	EX3	NM_000313.3	98%	64%	14%	22.4321
chr2	93619647	93619773	PROS1	C7	EX7	NM_000313.3	100%	95%	72%	37.9755
chr2	93615419	93615535	PROS1	C9	EX9	NM_000313.3	93%	56%	16%	21.3452
chr2	46925049	46925124	PTH1R	C1	EX3	NM_000316.2	68%	16%	1%	13.2419
chr2	46935996	46936244	PTH1R	C2	EX2	NM_000316.2	100%	91%	57%	31.6301
chr2	46940151	46940347	PTH1R	C7	EX9	NM_000316.2	100%	92%	61%	33.8663
chr2	46942903	46942970	PTH1R	C10	EX12	NM_000316.2	99%	85%	39%	27.7854
chr2	63898274	63898599	ATXN7	C1	EX3	NM_000333.3	61%	1%	26%	19.6586
chr2	33138502	33138577	GLB1	C1	EX3	NM_000404.2	94%	52%	13%	20.7636
chr2	10183531	10183871	VHL	C1	EX1	NM_000551.3	97%	72%	41%	28.2192
chr2	49294959	49295711	GPX1	C1	EX1	NM_000595.3	100%	88%	29%	23.8111
chr2	58419494	58419536	PDHB	C1	EX1	NM_000925.3	100%	94%	49%	29.6541
chr2	58419357	58419411	PDHB	C2	EX2	NM_000925.3	100%	76%	28%	26.0347
chr2	58411248	58411409	RARB	C4	EX4	NM_000965.3	100%	93%	72%	37.5604
chr2	197680873	197681018	RPL35A	C3	EX4	NM_000996.2	96%	66%	27%	24.4537
chr2	15126190	121516290	IQGFB1	C1	EX7	NM_00102970.2	96%	70%	31%	36.7228
chr2	164793682	164793800	SI	C1	EX2	NM_001041.3	96%	66%	26%	23.9224
chr2	133465284	133465327	TF	C1	EX1	NM_001063.3	77%	13%	0%	13.4975
chr2	38495813	38495865	ACVR2B	C1	EX1	NM_001106.3	5%	0%	0%	4.2982
chr2	71834107	71834203	PROK2	C1	EX1	NM_00126128.1	1%	0%	0%	3.542
chr2	38053227	38053244	PLCD1	C15	EX15	NM_00130964.1	100%	88%	54%	31.6635
chr2	38052704	38052936	PLCD1	C5	EX5	NM_00130964.1	100%	93%	82%	50.5141
chr2	38049263	38049349	PLCD1	C15E	EX15E	NM_00130964.1	100%	92%	62%	34.4087
chr2	53289851	53289958	TKT	C1	EX1	NM_00135055.2	95%	62%	22%	23.5783
chr2	53275147	53275261	TKT	C3	EX3	NM_00135055.2	100%	92%	56%	32.2539
chr2	197404350	197404412	NIA4D226	C17	EX17	NM_00145642.2	100%	86%	45%	29.2164
chr2	113120084	113120084	WDR52	C10	EX10	NM_00154096.1	99%	87%	39%	28.5072
chr2	142297487	142297546	ATR	C1	EX1	NM_001184.3	100%	84%	26%	26.0889
chr2	158300623	158300718	MLF1	C1	EX2	NM_001195432.1	93%	56%	17%	21.4426
chr2	158317802	158317962	MLF1	C6	EX6	NM_001195432.1	98%	67%	22%	23.6904
chr2	158322885	158322991	MLF1	C8E	EX8E	NM_001195432.1	100%	92%	55%	31.9133
chr2	100204240	100204251	TRAF1	C13E	EX13E	NM_001199198.2	87%	30%	3%	16.6548
chr2	121740866	121740924	ILDR1	C1	EX1	NM_001199799.1	100%	81%	30%	26.0859
chr2	50654996	50655215	MAPKAPK3	C1	EX4	NM_001243926.1	99%	83%	44%	29.1303
chr2	50273767	50273885	GNAI2	C1	EX1	NM_002070.2	100%	93%	63%	33.948
chr2	52852067	52852384	ITIH4	C20	EX20	NM_002218.4	100%	88%	51%	31.3613
chr2	49165890	49166018	LAMB2	C15	EX15	NM_002392.2	94%	58%	1%	38.551
chr2	12647699	12647798	RAF1	C1	EX6	NM_002880.3	100%	92%	63%	33.4011
chr2	30648375	30648469	TGFR2	C1	EX1	NM_003242.5	99%	68%	23%	23.761
chr2	55521007	55521013	WNT5A	C1	EX1	NM_003392.4	85%	19%	3%	15.3521
chr2	55508864	55508857	WNT5A	C4	EX4	NM_003392.4	94%	90%	50%	32.5329
chr2	147127899	147128821	ZK1	C1	EX1	NM_003422.3	97%	82%	65%	63.6185
chr2	148709427	148709434	GYG1	C1	EX1	NM_004130.3	58%	5%	0%	10.8106
chr2	184072691	184072761	CLCN2	C13	EX13	NM_004366.5	99%	72%	28%	25.0574
chr2	184072335	184072446	CLCN2	C14	EX14	NM_004366.5	95%	50%	10%	20.0636
chr2	184071449	184071583	CLCN2	C16	EX16	NM_004366.5	100%	70%	19%	23.7371
chr2	184070524	184070598	CLCN2	C19	EX19	NM_004366.5	100%	95%	72%	36.0516
chr2	183885106	18388543	DNL3	C15E	EX15E	NM_004423.3	100%	88%	56%	42.6561
chr2	13921242	13921313	WNT7A	C1	EX1	NM_004625.3	99%	86%	60%	30.2226
chr2	52443857	52443894	BAP1	C1	EX1	NM_004656.2	99%	85%	48%	30.5711
chr2	133748550	133748646	SLSO2A1	C1	EX1	NM_005630.2	57%	7%	0%	11.1461
chr2	49839788	49839886	TRAP	C1	EX1	NM_005879.2	99%	84%	39%	28.0779
chr2	17935997	17936122	PKCQA	C9	EX9	NM_006218.2	99%	77%	39%	28.3134
chr2	33155569	33156040	CRTP	C1	EX1	NM_006571.4	98%	82%	25%	24.3549
chr2	185542570	185542748	IGF2BP2	C1	EX11	NM_006548.4	97%	76%	48%	30.2461
chr2	185376128	185376197	IGF2BP2	C11	EX11	NM_006548.4	96%	58%	16%	21.8844
chr2	131186934	131187012	MRPL3	C9	EX9	NM_007208.3	100%	91%	57%	31.4518
chr2	57261911	57261965	APLL1	C1	EX1	NM_010296.2	32%	0%	0%	8.088
chr2	57202425	57202425	APLL1	C29	EX29	NM_010296.2	100%	86%	66%	38.7846
chr2	127771395	127771402	SEC61A1	C1	EX1	NM_013336.3	97%	60%	22%	22.7881
chr2	87299024	87299127	CHMP2B	C4	EX4	NM_014043.3	98%	95%	83%	42.0265
chr2	47205343	47205414	SETD2	C1	EX1	NM_014159.6	100%	92%	62%	34.6892
chr2	32148203	32148250	GPBDL	C1	EX1	NM_015141.3	90%	27%	2%	16.1757
chr2	47021351	47021402	NBEAL2	C1	EX1	NM_015175.2	99%	0%	0%	4.2325
chr2	47044134	47044292	NBEAL2	C33	EX33	NM_015175.2	96%	52%	13%	20.6775
chr2	47050478	47050614	NBEAL2	C53	EX53	NM_015175.2	100%	92%	62%	34.9475
chr2	47050708	47050810	NBEAL2	C54E	EX54E	NM_015175.2	100%	92%	57%	31.7455
chr2	52384004	52384124	DNAH1	C14	EX15	NM_015512.4	95%	59%	20%	22.259
chr2	52138370	52138388	POU3A	C1	EX1	NM_015512.4	7%	0%	0%	5.1873
chr2	52404733	52404841	DNAH1	C40	EX41	NM_015512.4	100%	94%	68%	36.183
chr2	52415655	52415852	DNAH1	C48	EX49	NM_015512.4	99%	88%	69%	41.3558
chr2	9982533	9982710	CRELD1	C5	EX5	NM_015513.4	99%	94%	80%	51.7217
chr2	50382918	50383010	ZMYND10	C1	EX1	NM_015896.2	96%	50%	6%	19.938
chr2	43732484	43732531	ABHD5	C1	EX1	NM_020086.4	52%	4%	0%	10.3667
chr2	101039131	101039216	IMP2	C1	EX1	NM_016247.3	98%	90%	53%	30.6177
chr2	3221304	32213171	CRBN	C1	EX1	NM_016302.3	99%	70%	18%	23.3122
chr2	10331756	10331864	GHRH	C1	EX2	NM_016362.3	100%	75%	27%	25.0081
chr2	14709555	14709688	CCDC174	C9	EX9	NM_016474.4	61%	3%	0%	11.0376
chr2	57199188	57199314	IL7RD	C1	EX1	NM_017563.3				

chr3	4508659	4508929	SUMF1	C1	EX1	NM_182760.3	88%	90%	17%	19.7136
chr3	93761858	93762084	ARL13B	C7	EX1	NM_182896.2	100%	42%	67%	38.6079
chr3	145378667	145378776	PLD2	C1	EX1	NM_182943.2	83%	18%	1%	14.5355
chr3	123166258	123167392	ADCY5	C1	EX1	NM_183357.2	78%	47%	17%	19.0079
chr3	123022913	123023030	ADCY5	C13	EX13	NM_183357.2	99%	89%	63%	36.6724
chr3	123014930	123015063	ADCY5	C17	EX17	NM_183357.2	100%	93%	64%	34.4195
chr3	38620824	38620986	SCN5A	C17	EX18	NM_188056.2	100%	93%	61%	33.5825
chr3	184033584	184033644	EPHA1	C1	EX1	NM_189341.2	100%	72%	28%	25.2317
chr3	132394660	132394767	UBA5	C10	EX11	NM_198329.2	99%	94%	81%	43.5555
chr3	49059577	49059654	NDUFA3	C1	EX1	NM_199069.1	100%	94%	69%	36.6856
chr4	47944057	47944165	CNGA1	C6	EX9	NM_000087.3	100%	93%	70%	38.5406
chr4	1795661	1795770	FGFR3	C1	EX2	NM_000142.4	9%	0%	0%	5.043
chr4	1803093	1803263	FGFR3	C4	EX5	NM_000142.4	98%	78%	48%	29.5426
chr4	980372	981030	IDUA	C1	EX1	NM_000203.3	7%	0%	0%	5.1138
chr4	981596	981737	IDUA	C2	EX2	NM_000203.3	87%	29%	2%	16.2354
chr4	996056	996273	IDUA	C8	EX8	NM_000203.3	99%	89%	76%	51.2582
chr4	996519	996732	IDUA	C9	EX9	NM_000203.3	44%	6%	2%	10.0232
chr4	996823	996945	IDUA	C10	EX10	NM_000203.3	56%	11%	3%	11.8759
chr4	997132	997258	IDUA	C11	EX11	NM_000203.3	87%	53%	31%	24.2861
chr4	52904392	52904425	SGCB	C1	EX1	NM_000232.4	8%	0%	0%	5.1836
chr4	88928885	88929480	PKD2	C1	EX1	NM_000297.3	33%	3%	0%	7.6639
chr4	17513572	17513677	QDPR	C1	EX1	NM_000320.2	76%	1%	1%	13.3194
chr4	17493854	17493963	QDPR	C5	EX5	NM_000320.2	100%	89%	51%	30.5804
chr4	175443509	175443602	HPGD	C1	EX1	NM_000865.5	79%	13%	1%	13.7514
chr4	65240889	65240941	TECL2	C2	EX2	NM_00101874.4	95%	66%	13%	22.2095
chr4	65180365	65180481	TECL2	C5	EX5	NM_00101874.4	98%	82%	57%	32.7756
chr4	69433478	69434202	UGT2B17	C1	EX1	NM_001077.3	37%	37%	37%	42.2464
chr4	69431289	69431438	UGT2B17	C2	EX2	NM_001077.3	47%	37%	37%	29.5068
chr4	69417541	69417629	UGT2B17	C4	EX4	NM_001077.3	37%	37%	37%	30.9587
chr4	69416394	69416544	UGT2B17	C5	EX5	NM_001077.3	38%	37%	37%	37.7
chr4	69403342	69403622	UGT2B17	C6E	EX6E	NM_001077.3	37%	37%	37%	57.2135
chr4	15560787	15560880	CC2D2A	C21	EX23	NM_001080522.2	100%	88%	44%	30.0154
chr4	15597707	15597830	CC2D2A	C33	EX35	NM_001080522.2	99%	94%	81%	40.0078
chr4	99812387	99812483	EFAE	C3	EX3	NM_00130679.1	100%	90%	44%	29.8884
chr4	99807604	99807697	EFAE	C6	EX6	NM_00130679.1	100%	0%	0%	2.057
chr4	122872620	122872835	TRPC3	C1	EX1	NM_00130698.1	88%	59%	39%	26.3297
chr4	1107143	1107252	RNF212	C1	EX1	NM_00131034.3	100%	75%	23%	24.5835
chr4	186064526	186064637	SLC25A4	C1	EX1	NM_001151.3	98%	78%	38%	27.4773
chr4	107181593	107181667	TBC1	C4	EX5	NM_001163455.1	95%	70%	23%	24.048
chr4	1242763	1242763	CTBP1	C9E	EX9E	NM_001328.2	86%	0%	0%	0.1725
chr4	1219147	1219354	CTBP1	C4	EX4	NM_001328.2	97%	70%	27%	24.6762
chr4	1208130	1208261	CTBP1	C6	EX6	NM_001328.2	100%	83%	35%	27.4333
chr4	1207265	1207393	CTBP1	C7	EX7	NM_001328.2	100%	88%	45%	29.5593
chr4	1206700	1206818	CTBP1	C8	EX8	NM_001328.2	98%	63%	20%	23.0404
chr4	1206027	1206211	CTBP1	C9E	EX9E	NM_001328.2	97%	58%	21%	22.5937
chr4	10761042	10761042	IGFBP7	C1	EX1	NM_001552.2	96%	15%	6%	15.6488
chr4	104119420	104119476	CENPE	C1	EX1	NM_001813.2	96%	43%	6%	19.0015
chr4	145041642	145041741	GYPA	C2	EX2	NM_002099.6	98%	91%	82%	49.9443
chr4	3076552	3076602	HTT	C1	EX1	NM_002111.6	94%	48%	12%	20.0315
chr4	3076602	3076603	HTT	C1	EX1	NM_002111.6	94%	54%	17%	21.0416
chr4	3076603	3076615	HTT	C1	EX1	NM_002111.6	77%	32%	9%	16.3016
chr4	55991393	55991460	KDR	C1	EX1	NM_002253.2	99%	84%	38%	27.5507
chr4	3520597	3520718	LRPAP1	C4	EX4	NM_002337.3	90%	66%	30%	24.2233
chr4	4861626	4862095	MSX1	C1	EX1	NM_002448.3	87%	33%	4%	16.9042
chr4	2835423	2835561	SH3BP2	C12E	EX13E	NM_003023.4	98%	68%	18%	23.2269
chr4	118273373	118273875	PRKMS2	C1	EX1	NM_00328.2	86%	40%	21%	20.2964
chr4	41747823	41748339	PKNOX2	C3E	EX3E	NM_003924.3	95%	85%	61%	69.016
chr4	41259625	41259754	UCHL1	C3	EX3	NM_004181.4	68%	14%	0%	12.806
chr4	13485699	13485774	RAB28	C1	EX1	NM_004249.3	100%	90%	49%	30.4695
chr4	107248607	107248721	AIMP1	C2	EX2	NM_004757.3	99%	78%	30%	25.9131
chr4	107268802	107268849	AIMP1	C6E	EX6E	NM_004757.3	100%	86%	53%	30.9388
chr4	108911088	108911220	HARD1	C1	EX1	NM_005127.1	100%	91%	55%	31.7464
chr4	26322378	26322437	RBPJ	C1	EX1	NM_005349.3	96%	56%	10%	20.5479
chr4	177713318	177713465	VEGFC	C1	EX1	NM_005429.2	83%	22%	4%	15.2462
chr4	103681874	103682051	MANBA	C1	EX1	NM_005908.3	89%	10%	1%	11.5479
chr4	41992668	41992771	SLC30A9	C1	EX1	NM_006345.3	59%	18%	1%	14.9918
chr4	151680934	151680999	LRB	C24	EX24	NM_006726.4	99%	86%	59%	32.2864
chr4	57361522	57361560	SRP22	C17	EX17	NM_006947.3	98%	55%	7%	20.3534
chr4	128802289	128802319	PLK4	C1	EX1	NM_014264.4	100%	94%	62%	33.8074
chr4	84205664	84206067	COQ2	C1	EX1	NM_015697.7	76%	50%	41%	35.1974
chr4	113568354	113568705	LARP7	C6	EX7	NM_016648.3	100%	89%	42%	28.9202
chr4	113570690	113570843	LARP7	C8	EX8	NM_016648.3	100%	95%	61%	42.1289
chr4	113578402	113578483	LARP7	C12E	EX13E	NM_016648.3	99%	91%	72%	38.6503
chr4	25161877	25161991	SEPPSC5	C1	EX1	NM_016955.3	84%	2%	2%	15.191
chr4	186347019	186347022	UFSP2	C1	EX1	NM_018359.3	94%	56%	16%	21.1254
chr4	186343638	186343717	UFSP2	C2	EX2	NM_018359.3	100%	89%	46%	29.5464
chr4	5626236	56262563	TMEM165	C1	EX1	NM_018475.4	71%	17%	1%	13.4983
chr4	10020598	10020697	PRKRA37C3	C2	EX2	NM_018699.2	90%	36%	7%	17.9117
chr4	9889190	9889266	SLC2A9	C10	EX10	NM_020041.2	96%	40%	6%	18.7509
chr4	9836504	9836632	SLC2A9	C11	EX11	NM_020041.2	99%	90%	69%	37.9738
chr4	8112367	81124686	PRDM8	C3E	EX3E	NM_020226.3	80%	61%	47%	42.6636
chr4	980921	9809956	UVSSA	C9	EX9	NM_020894.2	96%	70%	35%	25.6358
chr4	1374767	1374776	UVSSA	C12	EX12	NM_020894.2	100%	92%	74%	45.896
chr4	44680639	44680804	GUF1	C1	EX1	NM_021927.2	99%	85%	60%	35.2546
chr4	103265600	103265819	SLC9A8	C1	EX1	NM_022154.5	62%	8%	0%	11.6481
chr4	10326145	10326268	SLC39A8	C4	EX4	NM_022154.5	98%	84%	41%	28.3682
chr4	5683099	5683251	CEP135	C14	EX14	NM_025039.4	99%	86%	61%	34.4611
chr4	39188158	39188224	WRD19	C3	EX3	NM_025132.3	80%	3%	2%	14.2745
chr4	56212503	56212724	SRD5A3	C1	EX1	NM_025492.4	98%	85%	63%	35.9635
chr4	83350400	83350843	HNRPD1	C1	EX1	NM_031372.3	88%	69%	61%	87.5805
chr4	80993562	80993714	ANTRX2	C1	EX1	NM_058172.5	65%	8%	0%	12.0093
chr4	5710012	5710240	EVC2	C1	EX1	NM_147127.4	3%	0%	0%	3.4959
chr4	5370170	5370367	EVC2	C20	EX20	NM_147127.4	100%	45%	74%	45.4877
chr4	16227881	16228080	TAPT1	C1	EX1	NM_153365.2	82%	35%	10%	17.3399
chr4	16204084	16204203	TAPT1	C3	EX3	NM_153365.2	100%	99%	75%	39.2788
chr4	5713107	5713281	EVC	C1	EX1	NM_153717.2	0%	0%	0%	1.5225
chr4	5798748	5798959	EVC	C14	EX14	NM_153717.2	96%	56%	14%	21.3488
chr4	5800312	5800319	EVC	C15	EX15	NM_153717.2	100%	80%	43%	28.0929
chr4	5809927	5810054	EVC	C18	EX18	NM_153717.2	99%	86%	57%	31.2711
chr4	3465102	3465156	DOK7	C1	EX1	NM_173660.4	30%	1%	0%	7.6008
chr4	3465232	3465278	DOK7	C2	EX2	NM_173660.4	6%	0%	0%	4.5776
chr4	3475132	3475363	DOK7	C3	EX3	NM_173660.4	9%	85%	50%	30.0126
chr4	3487285	3487385	DOK7	C5	EX5	NM_173660.4	100%	92%	67%	31.8105
chr4	3481403	3481523	DOK7	C6	EX6	NM_173660.4	99%	64%	16%	22.6602
chr4	3494485	3495228	DOK7	C7E	EX7E	NM_173660.4	100%	94%	77%	40.6581
chr4	106395050	106395207	PPA2	C1	EX1	NM_176869.2	96%	69%	40%	27.8067
chr4	2061238	2061614	NAT8L	C1	EX1	NM_178557.3	15%	0%	0%	5.3795
chr4	2062724	2062889	NAT8L	C2	EX2	NM_178557.3	100%	83%	40%	28.0079
chr4	108852799	108853289	CY2P1	C1	EX1	NM_183075.2	81%	59%	43%	27.3302
chr4	109969323	109969331	COL25A1	C4	EX5	NM_198721.2	96%	31%	38%	27.1541
chr4	109931513	109931531	COL25A1	C5	EX6	NM_198721.2	96%	60%	18%	22.1602
chr4	109790243	109790306	COL25A1	C19	EX20	NM_198721.2	99%	72%	32%	25.5786
chr4	187112977	187113191	CY4P2	C1	EX1	NM_207352.3	99%	86%	47%	29.4315
chr4	78380759	78380771	AKS9	C1	EX1	NM_000046.3	70%	19%	2%	13.4878
chr4	60200618	60200700	ERC8	C5	EX5	NM_000082.3	94%	54%	10%	20.3254
chr4	70220930	70221011								

chr5	13810167	13810369	DNAH5	C45	EX45	NM_001369.2	100%	71%	38.3184	
chr5	127873042	127873296	FBH2	C1	EX1	NM_001999.3	100%	93%	63%	38.454
chr5	18075687	180756545	FLT4	C1	EX1	NM_002020.4	18%	0%	0%	6.4871
chr5	180046020	180046109	FLT4	C20	EX20	NM_002020.4	99%	83%	40%	28.9473
chr5	180040010	180040110	FLT4	C25	EX25	NM_002020.4	99%	76%	26%	25.1182
chr5	38482690	38482769	LIFR	C18	EX19	NM_002310.5	100%	94%	71%	36.0207
chr5	174151662	174152041	MSX2	C1	EX19	NM_002449.4	94%	55%	23%	22.6168
chr5	688413756	688413328	OCMLN	C6	EX7	NM_002536.3	100%	91%	65%	37.232
chr5	134369402	134369571	PITX1	C1	EX1	NM_002653.4	39%	0%	0%	8.6572
chr5	86637106	86637138	RASA1	C6	EX6	NM_002890.2	98%	95%	74%	37.1777
chr5	77330184	77330269	AP3B1	C24	EX24	NM_003664.3	98%	90%	54%	31.794
chr5	76506750	76507089	PDE8B	C1	EX1	NM_003719.3	62%	9%	1%	11.7291
chr5	179247936	179248141	SOSTM1	C1	EX1	NM_003900.4	48%	2%	0%	9.7144
chr5	137910926	137911007	HSP9A9	C1	EX1	NM_004346.6	96%	57%	17%	22.0257
chr5	218470	218533	SDHA	C1	EX1	NM_004168.2	5%	0%	0%	5.0876
chr5	524226	524437	SLC9A3	C1	EX1	NM_004174.2	76%	27%	4%	15.2985
chr5	491883	492186	SLC9A3	C2	EX2	NM_004174.2	99%	85%	57%	32.7878
chr5	482182	482272	SLC9A3	C8	EX8	NM_004174.2	70%	25%	2%	14.1657
chr5	474997	475247	SLC9A3	C16	EX16	NM_004174.2	98%	85%	67%	38.6182
chr5	473493	473497	SLC9A3	C17E	EX17E	NM_004174.2	15%	0%	0%	6.4705
chr5	893113	893205	TRIP13	C1	EX1	NM_004237.3	83%	24%	0%	15.2719
chr5	1801531	1801663	NDUFS6	C1	EX1	NM_004553.4	96%	39%	7%	18.9036
chr5	169064330	169064373	DOCK2	C1	EX1	NM_004946.2	59%	3%	0%	10.5939
chr5	140939058	140939775	DIAPH1	C16	EX16	NM_005219.4	82%	65%	44%	31.582
chr5	126113550	126113559	LMBN1	C1	EX1	NM_005573.3	35%	5%	0%	17.2372
chr5	92920729	92921192	NR2F1	C1	EX1	NM_005654.4	72%	66%	61%	56.2049
chr5	131944306	131944417	RAD50	C17	EX17	NM_005732.3	99%	84%	42%	29.1028
chr5	131951694	131951822	RAD50	C20	EX20	NM_005732.3	98%	87%	47%	29.7452
chr5	64097128	64097159	CWC27	C9	EX9	NM_005869.2	100%	93%	72%	36.7332
chr5	64181369	64181373	CWC27	C11	EX11	NM_005869.2	94%	90%	70%	38.1822
chr5	64313985	64314148	CWC27	C14E	EX14E	NM_005869.2	99%	90%	64%	35.5224
chr5	56111400	56111882	MAP3K1	C1	EX1	NM_005921.1	9%	0%	0%	5.2617
chr5	14143834	14143991	TRIO	C1	EX1	NM_007118.2	15%	0%	0%	4.9204
chr5	14461127	14461420	TRIO	C35	EX35	NM_007118.2	100%	88%	70%	50.9743
chr5	14487572	14488369	TRIO	C48	EX48	NM_007118.2	74%	39%	13%	17.3661
chr5	177027211	177027261	B4GAL7	C1	EX1	NM_007255.2	7%	0%	0%	5.1951
chr5	78365342	78365443	DMGDH	C1	EX1	NM_013391.2	1%	0%	0%	2.3951
chr5	178772190	178772329	ADAMTS2	C1	EX1	NM_012444.4	19%	0%	0%	6.532
chr5	178770767	178771162	ADAMTS2	C2	EX2	NM_012444.4	99%	86%	67%	37.0361
chr5	178531814	178531940	ADAMTS2	C7	EX7	NM_012444.4	100%	90%	53%	30.2776
chr5	178564769	178564945	ADAMTS2	C12	EX12	NM_012444.4	79%	20%	1%	14.5356
chr5	34007877	34008124	AMACR	C1	EX1	NM_014324.5	95%	68%	37%	26.9066
chr5	132240059	132240096	AFF4	C5	EX5	NM_014423.3	100%	83%	42%	28.6427
chr5	167719157	167719276	WWC1	C1	EX6	NM_015238.2	98%	72%	30%	25.4173
chr5	167880972	167881105	WWC1	C18	EX18	NM_015238.2	98%	85%	49%	30.5225
chr5	137774897	137774929	REPF2	C1	EX1	NM_015238.2	100%	96%	28%	30.8729
chr5	69345512	69345593	SMN2	C1	EX1	NM_017411.3	90%	94%	75%	44.8215
chr5	69372347	69372398	SMN2	C8E	EX8	NM_017411.3	98%	73%	45%	28.3991
chr5	6632996	6633092	NSUN2	C1	EX1	NM_017755.5	63%	1%	1%	12.5208
chr5	60628099	60628775	ZSWIM6	C1	EX1	NM_020928.1	44%	11%	1%	9.6766
chr5	45069170	45069195	HCP1	C1	EX1	NM_021071.2	94%	83%	64%	43.8144
chr5	54527202	54527688	CCNO	C3E	EX3E	NM_021147.3	100%	92%	73%	52.8686
chr5	70883352	70883381	MCCC2	C1	EX1	NM_021324.4	97%	55%	15%	21.7349
chr5	149109905	149109983	PPARGC1B	C1	EX1	NM_133263.3	93%	2%	2%	17.2121
chr5	37036480	37036589	NIPBL	C32	EX33	NM_133433.3	91%	69%	51%	31.2916
chr5	14656984	14656986	FAM134B	C1	EX1	NM_134848.4	3%	0%	0%	3.8152
chr5	177659492	177659551	AGXTL2	C1	EX1	NM_153373.2	17%	0%	0%	6.5565
chr5	60448530	60448782	NDUFAF2	C4E	EX4E	NM_174889.4	95%	67%	41%	27.4816
chr5	52405541	52405559	MOCS2	C1	EX1	NM_176806.2	62%	7%	0%	11.6594
chr5	130517921	130517992	LYRM7	C3	EX3	NM_181705.2	97%	64%	18%	22.9906
chr5	34929924	34930021	DNAAJ21	C1	EX1	NM_194283.3	95%	55%	21%	22.4882
chr5	1294885	12949104	TERT	C1	EX1	NM_198253.2	99%	1%	0%	6.3295
chr5	1293427	1294781	TERT	C2	EX2	NM_198253.2	99%	85%	63%	42.8275
chr5	1279405	1279585	TERT	C5	EX5	NM_198253.2	95%	63%	38%	27.0436
chr5	1271233	1271319	TERT	C6	EX6	NM_198253.2	100%	87%	42%	28.8636
chr5	138653284	138653410	MATR3	C8	EX8	NM_199189.2	100%	91%	59%	32.6071
chr5	138661851	138661972	MATR3	C13	EX13	NM_199189.2	100%	94%	66%	38.0874
chr5	152129047	152129499	ESR1	C1	EX1	NM_001253.3	98%	80%	53%	36.5189
chr5	42946006	42946888	PEX6	C1	EX1	NM_000287.3	79%	56%	48%	55.0642
chr5	42932072	42932209	PEX6	C17E	EX17E	NM_000287.3	97%	72%	30%	25.0124
chr5	137143803	137143933	PEX7	C1	EX1	NM_000288.3	6%	0%	0%	4.9128
chr5	18139193	18139358	TPM1	C5	EX5	NM_000367.2	100%	88%	38%	28.1543
chr5	137522017	137522145	IFNGR1	C6	EX6	NM_000416.2	100%	88%	53%	31.3226
chr5	129204390	129204502	LAMA2	C1	EX1	NM_000426.3	100%	92%	59%	32.3864
chr5	160114176	160114199	SOD2	C1	EX1	NM_000636.2	99%	81%	35%	27.2963
chr5	31995012	31995222	C4B	C21	EX21	NM_00102029.3	95%	85%	73%	47.9813
chr5	84563135	84563230	RIPR12	C1	EX1	NM_00109994.1	92%	28%	2%	16.6315
chr5	45390429	45390694	RUNX2	C2	EX2	NM_00102463.3	100%	92%	62%	33.9082
chr5	43738443	43739049	VEGFA	C1	EX3	NM_001025366.2	100%	91%	67%	43.4405
chr5	3157640	3157697	TUBB2A	C1	EX1	NM_001069.2	77%	6%	0%	12.8028
chr5	24495224	24495578	ALDH5A1	C1	EX1	NM_001080.3	72%	12%	1%	12.9476
chr5	89473807	89473899	TBX18	C1	EX1	NM_001080508.1	95%	48%	13%	20.3339
chr5	166705484	166705501	PDLIM4	C1	EX1	NM_00130690.2	99%	70%	38%	27.7708
chr5	7331917	7332315	KCNOS	C1	EX1	NM_00160133.1	72%	56%	43%	27.1661
chr5	30892130	30892337	VARS2	C26	EX26	NM_00167734.1	99%	85%	45%	29.1333
chr5	10818082	10818204	MAK	C3	EX4	NM_001242957.1	99%	91%	55%	31.6667
chr5	31088111	31088196	CD5N	C1	EX1	NM_001264.4	100%	94%	65%	34.2367
chr5	1610680	16112342	FOXK1	C1E	EX1E	NM_001453.2	90%	66%	51%	59.2999
chr5	70926599	70926784	COL9A1	C38E	EX38E	NM_001851.4	100%	94%	73%	41.412
chr5	32634275	32634384	HLA-DQB1	C1	EX1	NM_002123.4	99%	79%	38%	28.3325
chr5	32632574	32632844	HLA-DQB1	C2	EX2	NM_002123.4	99%	95%	50%	50.58
chr5	86159857	86160196	NTSE	C1	EX1	NM_002526.3	100%	94%	75%	37.5799
chr5	10110133	10110568	TFA12A	C2	EX2	NM_003220.2	99%	86%	65%	40.2951
chr5	169632984	169633112	THBS2	C10	EX10	NM_003312.2	99%	92%	48%	30.9965
chr5	35479956	35480047	TULP1	C3	EX3	NM_003322.3	53%	2%	0%	10.1465
chr5	35479424	35479583	TULP1	C4	EX4	NM_003322.3	100%	95%	73%	37.0066
chr5	35466103	35466237	TULP1	C15E	EX15E	NM_003322.3	100%	91%	59%	32.4901
chr5	167369584	167369670	RNASP2	C1	EX1	NM_003370.4	99%	83%	43%	28.0305
chr5	16148693	16148700	PARG	C1	EX1	NM_004562.2	77%	9%	0%	11.1787
chr5	76595720	76595811	MYO6	C23	EX23	NM_004999.3	97%	45%	5%	19.2791
chr5	76618212	76618344	MYO6	C31	EX31	NM_004999.3	97%	72%	28%	24.7773
chr5	26156618	26157278	HIST1H1E	C1E	EX1E	NM_005321.2	100%	95%	70%	64.8992
chr5	146056333	14605634	EPMA2	C1	EX1	NM_005670.3	65%	36%	15%	16.573
chr5	38076822	38076878	RMOX1	C9E	EX9	NM_005943.5	99%	63%	25%	24.8978
chr5	109697276	109697315	CD164	C4	EX4	NM_006016.4	100%	86%	42%	28.8626
chr5	123703262	123703292	TRDN	C15	EX15	NM_006073.3	98%	94%	84%	42.8895
chr5	123658763	123658814	TRDN	C22	EX22	NM_006073.3	98%	65%	33%	33.6825
chr5	123594481	123594508	TRDN	C28	EX28	NM_006073.3	97%	73%	21%	24.2312
chr5	132128176	132128415	ENPP1	C1	EX1	NM_006208.2	15%	0%	0%	5.7025
chr5	132168915	132168988	ENPP1	C2	EX2	NM_006208.2	98%	81%	41%	28.1794
chr5	42952415	42952442	PPP2R5D	C1	EX1	NM_006245.3	94%	35%	5%	17.9046
chr5	88182721	88182737	SLC35A1	C1	EX1	NM_006416.4	69%	5%	0%	11.9503
chr5	33388041	33388108	SYNGAP1	C1	EX1	NM_006772.2	2%	0%	0%	2.541
chr5	31964805	31964838	CAL	C29	EX29	NM_007293.2	88%	75%	63%	39.4068
chr5	47445980	47445984	CD2AP	C1	EX1	NM_012				

chr6	168842050	168842134	SMOC2	C1	EX1	NM_022138.2	16%	0%	0%	6.3639
chr6	31838379	31838379	SLC44A4	C11	EX11	NM_025257.2	100%	92%	68%	34.3608
chr6	31708243	31708243	MSH5	C1	EX2	NM_025259.5	87%	27%	5%	16.2181
chr6	139308666	139308819	REPS1	C1	EX1	NM_031922.3	100%	94%	80%	43.8566
chr6	152819876	152819927	SYNE1	C10	EX11	NM_033071.3	99%	89%	66%	34.6604
chr6	3315935	33160017	COL11A2	C1	EX1	NM_080680.2	87%	20%	1%	15.1699
chr6	33153477	33153557	COL11A2	C6	EX6	NM_080680.2	100%	80%	60%	36.7978
chr6	11999833	119997248	NUS1	C1	EX1	NM_139459.3	99%	93%	77%	43.7473
chr6	118014204	118014330	NUS1	C2	EX2	NM_138459.3	99%	94%	79%	39.579
chr6	34212607	34212661	HMGAI	CAE	EXGE	NM_145899.2	98%	84%	55%	32.8902
chr6	86277251	86277295	SNX14	C5	EX5	NM_153816.3	100%	94%	56%	31.6266
chr6	86235843	86235955	SNX14	C21	EX21	NM_153816.3	100%	93%	74%	36.7325
chr6	86216950	86217007	SNX14	C28	EX28	NM_153816.3	100%	94%	68%	36.0535
chr6	11719848	11719861	RFXG	C1	EX1	NM_173660.3	97%	76%	42%	28.1923
chr6	33756157	33756893	LEMD2	C1	EX1	NM_181336.3	63%	15%	2%	12.627
chr6	80816410	80816606	BCKDHB	C1	EX1	NM_183050.2	99%	86%	66%	37.9067
chr6	65541088	65541080	ASL	C1	EX2	NM_000048.3	100%	88%	36%	27.7876
chr6	65556992	65557073	ASL	C14	EX15	NM_000048.3	100%	93%	60%	32.503
chr6	6555754	65557899	ASL	C16E	EX17E	NM_000048.3	100%	93%	76%	42.3501
chr6	143042613	143042855	CLDN1	C17	EX17	NM_000083.2	100%	91%	55%	31.2084
chr6	94027693	94027708	COL1A2	C3	EX3	NM_00089.3	97%	93%	68%	35.3852
chr6	94030878	94030932	COL1A2	C6	EX6	NM_00089.3	97%	76%	36%	26.6656
chr6	44185095	44185329	GCK	C9	EX9	NM_00162.3	100%	89%	55%	30.7972
chr6	44184734	44184979	GCK	C10E	EX10E	NM_00162.3	99%	92%	74%	38.9965
chr6	65446960	65447170	GLUS3	C1	EX1	NM_00181.3	52%	4%	1%	10.4074
chr6	15559593	155596420	SHH	C3E	EX3E	NM_00193.2	89%	55%	31%	25.0577
chr6	150674925	150675001	KCNH2	C1	EX1	NM_00238.3	70%	10%	1%	12.601
chr6	150655146	150655990	KCNH2	C4	EX4	NM_00238.3	53%	3%	0%	10.287
chr6	150644693	150644966	KCNH2	C12	EX12	NM_00238.3	95%	69%	53%	40.0038
chr6	150644415	150644602	KCNH2	C13	EX13	NM_00238.3	99%	93%	83%	38.6495
chr6	150642452	150642602	KCNH2	C15E	EX15E	NM_00238.3	100%	91%	58%	33.0129
chr6	74193427	74193503	NCF1	C3	EX3	NM_00265.4	98%	66%	23%	23.6689
chr6	74195125	74195181	NCF1	C5	EX5	NM_00265.4	75%	44%	18%	18.9008
chr6	74202902	74203048	NCF1	C10	EX10	NM_00265.4	71%	9%	0%	12.7025
chr6	74203382	74203564	NCF1	C12E	EX12E	NM_00265.4	76%	12%	1%	13.243
chr6	44104430	44104611	PGAM2	C1	EX2	NM_00290.3	99%	94%	75%	46.0961
chr6	107302086	107302250	SLC26A4	C1	EX2	NM_00441.1	88%	3%	0%	16.1106
chr6	92157620	92157749	PEX1	C1	EX1	NM_00466.2	90%	35%	5%	17.5638
chr6	19156335	19156944	TWIST1	C1E	EX1	NM_00474.3	89%	69%	56%	42.6723
chr6	73442517	73442599	ELN	C1	EX1	NM_00501.2	100%	80%	64%	34.2422
chr6	27238774	27239696	HOMX13	C1	EX1	NM_00522.4	70%	53%	42%	34.9731
chr6	6036956	6037054	PMS2	C7	EX7	NM_00535.5	100%	99%	66%	34.709
chr6	6031603	6031688	PMS2	C9	EX9	NM_00535.5	100%	91%	53%	31.4045
chr6	6018226	6018327	PMS2	C13	EX13	NM_00535.5	96%	69%	33%	26.4704
chr6	150690891	150691049	NO53	C1	EX2	NM_00603.4	96%	48%	10%	19.8922
chr6	150693850	150694013	NO53	C19	EX19	NM_00603.4	96%	51%	16%	20.9072
chr6	150706485	150706673	NO53	C14	EX20	NM_00603.4	100%	90%	60%	33.718
chr6	100318603	100318616	EPO	C1	EX1	NM_00799.2	53%	5%	0%	10.4395
chr6	128049809	128049955	IMPDH1	C1	EX1	NM_00883.3	43%	3%	0%	9.1793
chr6	128045820	128045919	IMPDH1	C12	EX12	NM_00883.3	84%	18%	1%	14.6508
chr6	128036623	128036749	IMPDH1	C14	EX14	NM_00883.3	74%	47%	8%	19.7524
chr6	75610365	75610490	POR	C5	EX6	NM_00941.2	99%	66%	21%	23.176
chr6	75615240	75615386	POR	C13	EX14	NM_00941.2	100%	89%	52%	30.4368
chr6	33102179	33102332	NT5C3	C1	EX1	NM_01002010.2	99%	92%	61%	33.9084
chr6	23145645	23145765	KLHL7	C7	EX7	NM_01013710.2	99%	88%	64%	37.2236
chr6	2569495	25695027	LFG	C1	EX1	NM_01040167.1	48%	7%	0%	11.757
chr6	2566469	2566555	LFG	C7	EX7	NM_01040167.1	99%	84%	53%	31.8791
chr6	35271115	35271192	TBX20	C6	EX6	NM_01077653.2	88%	24%	1%	15.9083
chr6	144096042	144096271	NOBOX	C8	EX8	NM_01080413.3	88%	46%	25%	22.0328
chr6	144095374	144095679	NOBOX	C9	EX9	NM_01080413.3	100%	94%	77%	45.7685
chr6	100860446	100860555	PLOD3	C1	EX1	NM_01084.4	29%	0%	0%	7.5974
chr6	100856122	100856224	PLOD3	C8	EX8	NM_01084.4	100%	90%	80%	30.3882
chr6	100855810	100855936	PLOD3	C9	EX9	NM_01084.4	100%	90%	50%	30.6423
chr6	100855533	100855655	PLOD3	C10	EX10	NM_01084.4	99%	82%	39%	28.043
chr6	100855126	100855231	PLOD3	C11	EX11	NM_01084.4	100%	87%	50%	30.8697
chr6	100854871	100854997	PLOD3	C12	EX12	NM_01084.4	100%	87%	45%	29.5994
chr6	100849561	100849717	PLOD3	C19E	EX19E	NM_01084.4	99%	77%	31%	26.3762
chr6	128587283	128587589	IRF5	C5	EX6	NM_0109829.1	98%	94%	80%	45.0671
chr6	16460690	16460947	ISPD	C1	EX1	NM_01101426.3	64%	23%	5%	14.0936
chr6	16298014	16298107	ISPD	C8	EX8	NM_01101426.3	91%	76%	60%	37.053
chr6	150878025	150878545	ASB10	C3	EX3	NM_01142459.1	97%	77%	60%	61.1052
chr6	150873198	150873384	ASB10	C5E	EX5E	NM_01142459.1	99%	93%	53%	30.7662
chr6	44364955	44365020	CAMK2B	C1	EX1	NM_01220.4	59%	5%	0%	11.1825
chr6	44279187	44279262	CAMK2B	C13	EX13	NM_01220.4	97%	54%	9%	20.7067
chr6	44272420	44272465	CAMK2B	C18	EX18	NM_01220.4	99%	61%	13%	22.0293
chr6	44268986	44269100	CAMK2B	C16	EX16	NM_01220.4	99%	66%	20%	23.0981
chr6	44268396	44268523	CAMK2B	C19	EX19	NM_01220.4	99%	88%	72%	45.3675
chr6	44266114	44266243	CAMK2B	C20	EX20	NM_01220.4	98%	70%	49%	33.1566
chr6	92462404	92462637	CDK6	C1	EX2	NM_01259.6	100%	94%	78%	45.8753
chr6	100797795	100797798	AP151	C1	EX1	NM_01283.3	64%	8%	0%	11.8091
chr6	128482628	128482752	FLNC	C15	EX15	NM_01458.4	100%	95%	39%	28.0681
chr6	128489234	128489258	FLNC	C29	EX29	NM_01458.4	100%	89%	38%	27.6165
chr6	93098026	93098118	CALD	C5	EX7	NM_01379.3	98%	90%	81%	31.1566
chr6	154002579	154002636	DDP6	C1	EX7	NM_01936.3	100%	90%	55%	31.5802
chr6	154587554	154587593	DDP6	C12	EX12	NM_01936.3	100%	94%	72%	38.6051
chr6	154667615	154667810	DDP6	C20	EX20	NM_01936.3	100%	92%	63%	33.5096
chr6	30634337	30634759	GARS	C1	EX1	NM_02047.2	99%	71%	26%	24.7584
chr6	100230851	100230963	TFR2	C5	EX5	NM_02327.3	100%	84%	41%	28.2106
chr6	100230623	100230746	TFR2	C6	EX6	NM_02327.3	100%	90%	62%	31.1688
chr6	39990240	39991451	CDK13	C1	EX1	NM_03718.4	70%	26%	12%	16.7199
chr6	21582863	21583214	DNAH11	C1	EX1	NM_03777.3	98%	89%	79%	38.0294
chr6	140624365	140624503	BRAF	C1	EX1	NM_04333.4	13%	0%	0%	5.9627
chr6	100424600	100424652	EPH4	C1	EX1	NM_04444.4	100%	91%	54%	30.8364
chr6	100417178	100417511	EPH4	C6	EX6	NM_04444.4	99%	90%	76%	53.1134
chr6	100414813	100414979	EPH4	C8	EX8	NM_04444.4	95%	48%	9%	19.8696
chr6	103363586	103363638	RELN	C8	EX8	NM_005045.3	99%	92%	56%	31.7968
chr6	55086970	55087058	EGRF	C1	EX1	NM_005228.3	55%	6%	0%	10.8219
chr6	75368118	75368238	HIP1	C1	EX1	NM_005338.5	100%	87%	38%	28.1611
chr6	99710271	9971028	TAFF6	C4	EX4	NM_005641.3	100%	91%	64%	34.9274
chr6	99705548	99705746	TAFF6	C13	EX14	NM_005641.3	100%	83%	40%	28.1252
chr6	99704868	99705246	TAFF6	C14E	EX15E	NM_005641.3	99%	91%	64%	35.1288
chr6	98990293	98990499	ARPC18	C7	EX8	NM_005720.3	89%	27%	4%	16.3146
chr6	91609602	91609647	AKAP9	C3	EX3	NM_005751.4	98%	92%	68%	33.7698
chr6	91623304	91623390	AKAP9	C6	EX6	NM_005751.4	100%	95%	68%	36.4519
chr6	91630161	91632549	AKAP9	C8	EX8	NM_005751.4	96%	88%	80%	57.4297
chr6	91694544	91694777	AKAP9	C25	EX25	NM_005751.4	90%	7%	0%	18.2733
chr6	91700218	91700323	AKAP9	C28	EX28	NM_005751.4	90%	67%	22%	22.9963
chr6	91706168	91706321	AKAP9	C29	EX29	NM_005751.4	100%	94%	65%	33.8484
chr6	121728920	121728920	AKS3	C13	EX14	NM_005763.3	98%	85%	82%	49.7297
chr6	75677478	75677544	MDH2	C7	EX7	NM_005918.2	100%	87%	49%	31.7757
chr6	75693656	75693756	MDH2	C7	EX7	NM_005918.2	100%	89%	50%	30.363
chr6	107204247	107204434	COG5	C1	EX1	NM_006348.3	93%	62%	30%	24.0294
chr6	106964884	106964966	COG5	C11	EX11	NM_006348.3	94%	45%	6%	19.176
chr6	77648631	77649293	MAGI2	C22E	EX22E	NM_012301.3	67%	55%	45%	33.3975
chr6	95818992	95819354	SEMA3E							

chr7	144462972	144463044	TPK1	C2	EX3	NM_022445.3	96%	77%	39%	26.7372
chr7	156685621	156685687	LMBR1	C1	EX1	NM_022458.3	99%	13%	0%	12.6899
chr7	156589062	156589186	LMBR1	C5	EX5	NM_022458.3	94%	52%	17%	21.0367
chr7	156554827	156554892	LMBR1	C8	EX8	NM_022458.3	100%	87%	43%	28.6351
chr7	40229142	40229181	C7orf10	C5	EX5	NM_024728.2	99%	92%	55%	32.4013
chr7	45039932	45039962	CCM2	C1	EX1	NM_031443.3	2%	0%	0%	2.7612
chr7	296295	2969708	CARD11	C11	EX12	NM_032415.4	100%	93%	59%	33.0441
chr7	2946271	2946271	C24E6	C12	EX12	NM_032415.4	100%	94%	78%	41.5239
chr7	157202488	157202695	DNAH8	C8	EX8	NM_058246.3	97%	46%	9%	19.8783
chr7	47904813	47904870	PKD1L1	C26	EX26	NM_138295.3	100%	66%	17%	23.228
chr7	47879043	47879260	PKD1L1	C36	EX36	NM_138295.3	100%	91%	57%	31.7547
chr7	8008981	8009438	GLCC1	C1	EX1	NM_138426.3	37%	8%	2%	8.5348
chr7	2598815	2598851	IQCE	C1	EX1	NM_152558.3	5%	0%	0%	5.2827
chr7	2645509	2645531	IQCE	C20	EX20	NM_152558.3	100%	86%	45%	29.1163
chr7	2584542	2584600	BRAT1	C3	EX4	NM_152743.3	97%	61%	16%	22.1272
chr7	2581753	2581845	BRAT1	C6	EX7	NM_152743.3	100%	94%	64%	34.7354
chr7	2581351	2581470	BRAT1	C7	EX8	NM_152743.3	99%	83%	44%	29.3527
chr7	2580612	2580686	BRAT1	C9	EX10	NM_152743.3	95%	51%	13%	20.5263
chr7	2579419	2579522	BRAT1	C10	EX11	NM_152743.3	100%	77%	31%	25.9068
chr7	2579177	2579276	BRAT1	C11	EX12	NM_152743.3	99%	82%	39%	27.6724
chr7	66094051	66094195	KCTD7	C1	EX1	NM_153033.4	93%	36%	6%	18.1894
chr7	2578812	2578885	BRAT1	C12	EX13	NM_152743.3	97%	78%	51%	30.6517
chr7	151919085	151919151	MLL3	C22	EX22	NM_170606.2	99%	85%	47%	28.8309
chr7	33303901	33303986	RRB59	C6	EX7	NM_188428.2	99%	93%	76%	39.0146
chr7	33148832	33148884	RPN	C1	EX1	NM_203280.1	26%	1%	0%	7.2246
chr7	5800633	5800700	RNF216	C1	EX2	NM_207111.3	100%	95%	67%	36.1322
chr7	37822782	37823987	ADRB3	C1	EX1	NM_000252.2	96%	74%	46%	31.2842
chr7	41655029	41655056	ANK1	C1	EX1	NM_000037.3	99%	69%	20%	23.8179
chr7	41583278	41583464	ANK1	C6	EX6	NM_000037.3	100%	94%	78%	42.0564
chr7	86176310	86176344	CA2	C2	EX1	NM_000057.2	100%	80%	30%	26.7982
chr7	19796951	19797039	LPL	C1	EX1	NM_000237.2	98%	65%	17%	22.5031
chr7	63998376	63998580	TPPA	C1	EX1	NM_000370.3	34%	1%	0%	8.2334
chr7	145012318	145012408	PLEC	C13	EX4	NM_000445.3	99%	93%	52%	30.6906
chr7	145008165	145008259	PLEC	C12	EX13	NM_000445.3	88%	38%	8%	17.8967
chr7	145006104	145006200	PLEC	C18	EX18	NM_000445.3	99%	92%	54%	30.5192
chr7	145005701	145005827	PLEC	C19	EX20	NM_000445.3	99%	91%	62%	34.2659
chr7	145004551	145004704	PLEC	C20	EX21	NM_000445.3	100%	91%	58%	32.4905
chr7	145004311	145004466	PLEC	C21	EX22	NM_000445.3	99%	70%	30%	25.4474
chr7	145004103	145004230	PLEC	C22	EX23	NM_000445.3	99%	84%	45%	29.4155
chr7	145003581	145003739	PLEC	C24	EX24	NM_000445.3	99%	81%	56%	35.4322
chr7	145003270	145003449	PLEC	C25	EX26	NM_000445.3	100%	92%	57%	32.1901
chr7	145002021	145002160	PLEC	C26	EX27	NM_000445.3	98%	65%	22%	23.6257
chr7	145001577	145001934	PLEC	C27	EX28	NM_000445.3	99%	89%	59%	36.3129
chr7	144996671	145000052	PLEC	C31	EX32	NM_000445.3	99%	91%	71%	57.5143
chr7	30947580	30948048	WRN	C13	EX14	NM_000553.4	99%	94%	82%	40.4933
chr7	9715790	9715792	GOPC	C1	EX1	NM_03010557.2	99%	79%	9%	63.2799
chr7	23559963	23560595	NKX2-6	C2E	EX2E	NM_01136271.2	98%	88%	72%	48.9715
chr7	105478884	105479148	DPY5	C1	EX1	NM_001385.2	92%	49%	15%	20.5622
chr7	20054917	20055053	ATPV1B2	C1	EX1	NM_001693.3	100%	92%	70%	37.2818
chr7	145150002	145150131	CYCI	C1	EX1	NM_001916.3	7%	0%	0%	5.1328
chr7	27248725	27248726	EPHA7	C1	EX1	NM_001979.5	72%	18%	1%	13.7441
chr7	11565821	11566437	GATA4	C1	EX2	NM_002052.3	70%	32%	11%	16.1733
chr7	90996752	90996789	NBN	C1	EX1	NM_002485.4	100%	74%	24%	24.8352
chr7	145137633	145137707	GPA1	C1	EX1	NM_003801.3	33%	0%	0%	8.0699
chr7	145743084	145743168	RECQL4	C3	EX3	NM_004260.3	44%	3%	0%	9.6772
chr7	145742885	145743019	RECQL4	C2	EX2	NM_004260.3	83%	25%	1%	14.4825
chr7	145742797	145742892	RECQL4	C3	EX3	NM_004260.3	86%	5%	2%	15.7069
chr7	145739311	145739491	RECQL4	C12	EX12	NM_004260.3	99%	88%	57%	33.2659
chr7	145738600	145738767	RECQL4	C14	EX14	NM_004260.3	98%	83%	56%	31.9894
chr7	62626827	62626930	ASPH	C1	EX1	NM_004318.3	92%	54%	17%	21.1363
chr7	62593526	62593595	ASPH	C3	EX3	NM_004318.3	98%	90%	50%	30.0807
chr7	6255446	6255449	ASPH	C10	EX10	NM_004318.3	66%	7%	0%	11.9175
chr7	133492393	133492779	KCNQ3	C1	EX1	NM_004519.3	83%	65%	54%	34.897
chr7	65711022	65711144	CYP7B1	C1	EX1	NM_004820.3	25%	0%	0%	7.2856
chr7	21978228	21978471	HR	C10	EX11	NM_005144.4	99%	93%	77%	51.5143
chr7	2197772	21977703	HR	C13	EX14	NM_005144.4	100%	95%	82%	45.8729
chr7	21974587	21974552	HR	C16	EX17	NM_005144.4	41%	1%	0%	9.0057
chr7	21973812	21973941	HR	C17	EX18	NM_005144.4	100%	92%	63%	34.7209
chr7	48873704	48873774	MCM4	C1	EX1	NM_005914.3	36%	1%	0%	8.454
chr7	134251120	134251362	NDRG1	C15E	EX16E	NM_006096.3	95%	71%	14%	20.5994
chr7	22022918	22023066	BMP1	C1	EX1	NM_006129.4	98%	57%	32%	25.5574
chr7	15197939	15198077	TUSC3	C1	EX1	NM_006765.3	99%	86%	59%	32.6019
chr7	48872532	48872686	PRKDC	C1	EX1	NM_006904.6	59%	3%	0%	10.7047
chr7	48868433	48868508	PRKDC	C4	EX4	NM_006904.6	100%	94%	58%	32.5497
chr7	48731962	48732071	PRKDC	C67	EX67	NM_006904.6	99%	89%	65%	36.344
chr7	37620177	37620276	PROSC	C1	EX1	NM_007198.3	75%	10%	0%	13.1526
chr7	72987533	72987544	TRPA1	C1	EX1	NM_007332.2	95%	67%	34%	25.7949
chr7	72977685	72977793	TRPA1	C4	EX4	NM_007332.2	92%	53%	12%	20.5324
chr7	72971624	72971673	TRPA1	C8	EX8	NM_007332.2	65%	4%	0%	11.2796
chr7	72950217	72950307	TRPA1	C20	EX20	NM_007332.2	98%	82%	43%	28.7831
chr7	72946482	72946612	TRPA1	C22	EX22	NM_007332.2	87%	2%	1%	15.5814
chr7	145550099	145550299	DGAT1	C1	EX1	NM_012079.4	13%	0%	0%	5.2907
chr7	145542690	145542731	DGAT1	C3	EX3	NM_012079.4	99%	85%	45%	29.0064
chr7	145542497	145542583	DGAT1	C4	EX4	NM_012079.4	100%	91%	63%	34.547
chr7	106331169	106331209	ZFPM2	C1	EX1	NM_012082.3	47%	2%	0%	9.7461
chr7	1806125	1806281	ARHGEF10	C2	EX3	NM_014629.2	99%	79%	40%	27.755
chr7	1839800	1839915	ARHGEF10	C9	EX10	NM_014629.2	100%	93%	66%	35.7555
chr7	12603658	12603695	KIAA0196	C2E	EX2E	NM_014846.3	100%	92%	59%	32.6582
chr7	145111520	145111658	OPLAH	C12	EX13	NM_015707.3	99%	75%	37%	27.3828
chr7	145109931	145110092	OPLAH	C16	EX17	NM_015707.3	90%	57%	19%	21.4986
chr7	145109714	145109816	OPLAH	C17	EX18	NM_015707.3	99%	90%	61%	36.1863
chr7	145107351	145107501	OPLAH	C22	EX23	NM_015707.3	97%	45%	19%	19.2125
chr7	145106940	145106979	OPLAH	C24	EX25	NM_015707.3	98%	87%	49%	29.1517
chr7	145106938	145106940	OPLAH	C24	EX25	NM_015707.3	97%	84%	41%	27.7054
chr7	145106816	145106938	OPLAH	C24	EX25	NM_015707.3	91%	54%	19%	21.4107
chr7	145106629	145106727	OPLAH	C25	EX26	NM_015707.3	85%	27%	1%	15.6658
chr7	145106226	145106373	OPLAH	C26E	EX27E	NM_015707.3	94%	50%	20%	20.9226
chr7	61693558	61693989	CHD7	C2	EX3	NM_017780.3	97%	82%	65%	36.2062
chr7	61728945	61729060	CHD7	C7	EX7	NM_017780.3	100%	92%	60%	32.0482
chr7	57905757	57906144	IMPAD1	C1	EX1	NM_017813.4	86%	71%	60%	45.5023
chr7	74888516	74888726	TMEM70	C1	EX1	NM_017866.5	100%	91%	63%	35.4713
chr7	75262696	75262813	GDP1	C1	EX1	NM_018972.2	100%	78%	43%	43.7357
chr7	16859255	16859541	FGF20	C1	EX1	NM_019851.2	97%	59%	15%	21.8692
chr7	143822560	143823594	SURP1	C1E	EX2E	NM_020427.2	100%	86%	46%	28.5438
chr7	75171619	75171738	IPH1	C3	EX3	NM_020647.2	100%	93%	72%	40.0385
chr7	135725087	135725106	ZFAT	C1	EX1	NM_020863.3	18%	0%	0%	6.7581
chr7	38287199	38287466	FGFR1	C2	EX3	NM_023110.2	100%	93%	71%	37.1186
chr7	38271145	38271322	FGFR1	C17E	EX18E	NM_023110.2	100%	91%	72%	38.7982
chr7	6264188	6264210	MCFH1	C1	EX1	NM_024296.3	96%	41%	6%	18.7281
chr7	67976633	67976731	CSPP1	C1	EX1	NM_024790.6	100%	90%	44%	29.8806
chr7	68071225	68071372	CSPP1	C19	EX19	NM_024790.6	92%	49%	10%	19.7695
chr7	141445210	141445339	TRAPP2	C9	EX4	NM_031466.5	100%	95%	89%	55.9463
chr7	140898122	140898213	TRAPP2	C21	EX21	NM_031466.5	98%	60%	14%	21.6716
chr7	144899500	144899636	PURD	C10	EX10	NM_078480.2	99%	83%	45%	29.3268
chr7	145641981	145641723	SLC39A4	C1	EX1</					

chr9	132586186	132586364	TOR1A	C1	EX1	NM_000113.2	95%	59%	25%	23.2054
chr9	130587973	130588139	ENG	C5	EX5	NM_000118.2	96%	84%	68%	37.9406
chr9	130578195	130578332	ENG	C14E	EX14E	NM_000119.2	100%	84%	44%	28.1614
chr9	97911204	979112369	FANCC	C1	EX1	NM_000136.2	100%	95%	74%	38.2366
chr9	71650698	71650863	FXN	C1	EX1	NM_000144.4	48%	3%	0%	9.6018
chr9	34646701	34646783	GALT	C1	EX1	NM_000155.3	99%	72%	21%	24.2659
chr9	6645244	6645499	GLOC	C1	EX1	NM_000170.2	74%	49%	29%	21.4346
chr9	124062139	124062263	GSN	C1	EX1	NM_000177.4	94%	81%	45%	33.1385
chr9	98270442	98270643	PTCH1	C1	EX1	NM_000254.3	66%	23%	7%	14.1941
chr9	100459402	100459574	XPA	C1	EX1	NM_000380.3	25%	0%	0%	7.2466
chr9	97401422	97401592	FBP1	C1	EX1	NM_000507.3	100%	88%	51%	30.4586
chr9	140772385	140772669	CACNA1B	C1	EX1	NM_000718.3	99%	93%	84%	74.6826
chr9	140850149	140850265	CACNA1B	C18	EX8	NM_000718.3	100%	94%	75%	41.7162
chr9	140907580	140907687	CACNA1B	C18	EX18	NM_000718.3	99%	76%	30%	26.4122
chr9	140917462	140918263	CACNA1B	C19	EX19	NM_000718.3	29%	3%	0%	7.1372
chr9	141012397	141012533	CACNA1B	C43	EX43	NM_000718.3	99%	87%	45%	29.5994
chr9	141013103	141013220	CACNA1B	C44	EX44	NM_000718.3	99%	82%	49%	31.2256
chr9	141014616	141014824	CACNA1B	C45	EX45	NM_000718.3	99%	69%	26%	24.7526
chr9	141015382	141015333	CACNA1B	C46	EX46	NM_000718.3	97%	69%	39%	27.6406
chr9	131872761	131872788	CRAT	C1	EX1	NM_000755.3	72%	10%	1%	12.8587
chr9	131858276	131858414	CRAT	C13	EX13	NM_000755.3	100%	94%	70%	36.2936
chr9	95526786	95527026	BICD2	C1	EX1	NM_001003800.1	98%	85%	58%	33.6507
chr9	98638287	98638366	ERC6L2	C1	EX1	NM_00100895.2	99%	65%	23%	23.6896
chr9	26948894	26947943	PLA4	C1	EX1	NM_001031889.2	90%	94%	54%	30.9978
chr9	138590840	138590972	SOHLH1	C2	EX2	NM_001101677.1	57%	6%	0%	10.9024
chr9	138586895	138587109	SOHLH1	C6	EX6	NM_001101677.1	96%	63%	21%	22.7708
chr9	140093438	140095163	TPRN	C1	EX1	NM_00112828.2	68%	63%	57%	41.5564
chr9	131379918	131380039	SPTAN1	C41	EX42	NM_001130438.2	100%	84%	74%	28.8033
chr9	131389664	131389777	SPTAN1	C49	EX50	NM_001130438.2	100%	92%	61%	38.9666
chr9	35560225	35560248	RUSC2	C9	EX9	NM_001135999.1	100%	95%	74%	65.7175
chr9	35560956	35561094	RUSC2	C10	EX11	NM_001135999.1	100%	95%	63%	33.1679
chr9	33166755	33167167	BAGAL1	C1	EX1	NM_001497.3	93%	7%	0%	19.2649
chr9	94123909	94124171	AUH	C1	EX1	NM_001698.2	95%	70%	44%	28.7138
chr9	123793674	123793765	CS	C7	EX7	NM_001735.2	99%	60%	11%	21.6977
chr9	123937380	123937455	CEL	C1	EX1	NM_001807.3	100%	91%	54%	32.6746
chr9	135942224	135942332	CEL	C6	EX6	NM_001807.3	97%	76%	33%	26.3261
chr9	135942474	135942592	CEL	C7	EX7	NM_001807.3	99%	92%	63%	35.4047
chr9	135946373	135947151	CEL	C11E	EX11E	NM_001807.3	66%	47%	5%	35.3154
chr9	129376728	129376867	LWX1B	C1	EX1	NM_002216.3	98%	77%	44%	29.7376
chr9	129456024	129456024	LWX1B	C6	EX6	NM_002216.3	79%	17%	2%	14.366
chr9	2047228	2047484	SMARCA2	C4	EX5	NM_003070.3	40%	10%	1%	8.4575
chr9	130374682	130374719	STXP1	C1	EX1	NM_003165.3	81%	13%	1%	13.8985
chr9	136223275	136223329	SURF1	C1	EX1	NM_003172.2	2%	0%	0%	3.214
chr9	136223123	136223175	SURF1	C2	EX2	NM_003172.2	2%	0%	0%	6.0949
chr9	35684728	35684804	TPM2	C6	EX6	NM_003289.3	100%	94%	72%	38.8893
chr9	2622271	2622271	VELD	C1	EX1	NM_003383.3	23%	0%	0%	7.1576
chr9	13205034	13205106	MPDZ	C11	EX12	NM_003829.4	100%	86%	54%	32.091
chr9	4490679	4490770	SLC1A1	C1	EX1	NM_004170.5	100%	92%	62%	33.4245
chr9	135864447	135864585	FGI1B	C4	EX5	NM_004188.4	100%	88%	54%	31.9689
chr9	130965749	130965910	DNM1	C1	EX1	NM_004408.2	79%	28%	5%	15.8677
chr9	131012393	131012393	DNM1	C20	EX20	NM_004408.2	100%	91%	79%	33.0206
chr9	131013003	131013219	DNM1	C21	EX21	NM_004408.2	56%	24%	9%	13.694
chr9	94712148	94712245	ROR2	C1	EX1	NM_004560.3	60%	9%	0%	11.3448
chr9	101867487	101867584	TGFBR1	C1	EX1	NM_004612.2	1%	0%	0%	2.9344
chr9	71789288	71789348	TJP2	C1	EX1	NM_004817.3	100%	93%	54%	30.4345
chr9	33447420	33447528	AQP3	C1	EX1	NM_004925.4	97%	84%	14%	21.4888
chr9	33442298	33442516	AQP3	C5	EX5	NM_004925.4	100%	88%	49%	30.6271
chr9	127265572	127265674	NRSA1	C1	EX2	NM_004959.4	98%	75%	43%	28.3231
chr9	127262368	127262994	NRSA1	C3	EX4	NM_004959.4	99%	80%	49%	42.8372
chr9	127253359	127253507	NRSA1	C5	EX6	NM_004959.4	86%	29%	4%	16.4431
chr9	101470698	101471019	GABRR2	C1	EX1	NM_005458.7	61%	26%	4%	13.2418
chr9	101053865	101053865	GABRR2	C19E	EX19E	NM_005458.7	69%	69%	16%	22.9346
chr9	32550771	32550966	TOPORS	C2	EX2	NM_005802.4	100%	93%	70%	37.7197
chr9	34637543	34637694	SIGMAR1	C1	EX1	NM_005866.2	93%	50%	13%	20.1696
chr9	133884601	133884974	LAMC3	C1	EX1	NM_006059.3	79%	57%	43%	29.3937
chr9	133911552	133911719	LAMC3	C4	EX4	NM_006059.3	100%	87%	40%	29.1781
chr9	133921406	133921517	LAMC3	C9	EX9	NM_006059.3	99%	69%	26%	24.3844
chr9	133951217	133951352	LAMC3	C21	EX21	NM_006059.3	100%	89%	48%	30.1889
chr9	133966923	133967174	LAMC3	C28E	EX28E	NM_006059.3	97%	84%	69%	44.8247
chr9	139581627	139581809	AGPAT2	C1	EX1	NM_006412.3	95%	76%	54%	33.116
chr9	139568203	139568379	AGPAT2	C5E	EX5E	NM_006412.3	99%	87%	49%	30.3558
chr9	94874736	94874844	SPTA1	C2	EX2	NM_006415.2	100%	63%	68%	33.169
chr9	94817686	94817776	SPTLC1	C8	EX8	NM_006415.2	100%	93%	47%	30.6673
chr9	136598964	136599295	SARDH	C1	EX2	NM_007101.3	92%	68%	34%	24.9501
chr9	136597544	136597723	SARDH	C2	EX3	NM_007101.3	98%	74%	54%	31.2497
chr9	136570069	136570153	SARDH	C11	EX12	NM_007101.3	99%	83%	44%	24.3973
chr9	136559379	136559493	SARDH	C14	EX15	NM_007101.3	100%	83%	45%	28.5929
chr9	136555501	136555649	SARDH	C11	EX16	NM_007101.3	100%	92%	62%	33.4862
chr9	136550314	136550408	SARDH	C16	EX17	NM_007101.3	99%	67%	20%	23.1061
chr9	136535705	136535874	SARDH	C18	EX19	NM_007101.3	91%	30%	3%	17.0781
chr9	35072333	35072350	VCP	C1	EX1	NM_007126.3	3%	0%	0%	3.5811
chr9	140040177	140040354	GRIN1	C3	EX3	NM_007327.3	100%	84%	39%	28.4694
chr9	140051314	140051489	GRIN1	C6	EX6	NM_007327.3	99%	80%	39%	27.6766
chr9	140056623	140056742	GRIN1	C12	EX12	NM_007327.3	100%	92%	61%	33.6384
chr9	140061862	140061979	GRIN1	C20E	EX20E	NM_007327.3	99%	92%	57%	31.9563
chr9	37422747	37422830	GRHRP	C1	EX1	NM_012203.1	52%	5%	0%	10.3843
chr9	111929180	111929571	FRRS1L	C1	EX1	NM_014342.2	97%	4%	0%	6.2454
chr9	139094791	139094885	SPTA1	C1	EX1	NM_014564.3	100%	6%	1%	10.3119
chr9	139091523	139091726	LHX3	C3	EX3	NM_014564.3	19%	8%	0%	38.7442
chr9	139090753	139090905	LHX3	C4	EX4	NM_014564.3	89%	51%	19%	20.7822
chr9	139089170	139089589	LHX3	C6E	EX6E	NM_014564.3	90%	39%	4%	17.611
chr9	136402526	136402669	ADAMTSL2	C2	EX3	NM_014694.3	100%	90%	61%	34.8281
chr9	136419478	136419815	ADAMTSL2	C9	EX10	NM_014694.3	83%	57%	38%	24.89
chr9	136426319	136426417	ADAMTSL2	C11	EX12	NM_014694.3	100%	82%	17%	22.8871
chr9	136432057	136432184	ADAMTSL2	C12	EX13	NM_014694.3	84%	33%	2%	16.1838
chr9	136433394	136433608	ADAMTSL2	C13	EX14	NM_014694.3	83%	3%	6%	17.1111
chr9	136433724	136433880	ADAMTSL2	C14	EX15	NM_014694.3	97%	60%	15%	22.0459
chr9	136434529	136434700	ADAMTSL2	C15	EX16	NM_014694.3	99%	82%	50%	31.0928
chr9	136435452	136435629	ADAMTSL2	C16	EX17	NM_014694.3	97%	83%	60%	39.2587
chr9	117266463	117267081	DFNB31	C1	EX1	NM_015404.3	81%	61%	48%	44.6605
chr9	140353483	140353554	NELF	C1	EX1	NM_015537.4	3%	0%	0%	3.8315
chr9	140351858	140352353	NELF	C3	EX3	NM_015537.4	100%	92%	70%	38.2563
chr9	140348182	140348272	NELF	C7	EX7	NM_015537.4	100%	93%	67%	34.3932
chr9	131085137	131085203	COQ4	C1	EX2	NM_016035.3	100%	74%	27%	25.3226
chr9	131085294	131085426	COQ4	C2	EX2	NM_016035.3	99%	74%	24%	24.5806
chr9	139981451	139981670	MAN1B1	C1	EX1	NM_016219.4	95%	42%	28%	28.0004
chr9	139992279	139992389	MAN1B1	C5	EX5	NM_016219.4	99%	83%	43%	28.9491
chr9	139440177	139440238	NOTCH1	C1	EX1	NM_017617.3	0%	0%	0%	2.2148
chr9	139418168	139418431	NOTCH1	C3	EX3	NM_017617.3	99%	87%	54%	30.9227
chr9	139417801	139417640	NOTCH1	C4	EX4	NM_017617.3	95%	74%	54%	32.3901
chr9	139411723	139411837	NOTCH1	C9	EX9	NM_017617.3	97%	62%	16%	21.9287
chr9	139405104	139405257	NOTCH1	C17	EX17	NM_017617.3	98%	69%	25%	24.3479
chr9	139403321	139403523	NOTCH1	C19	EX19	NM_017617.3	82%	23%	2%	15.3723
chr9	139400978	139400991	NOTCH1</							

chr9	88897292	88897373	ISCA1	C1	EX1	NM_030940.3	98%	67%	26%	24.1122
chr9	116918230	116918292	COL27A1	C1	EX1	NM_032888.2	58%	3%	0%	10.7909
chr9	116988038	116988092	COL27A1	C9	EX9	NM_032888.2	100%	94%	63%	34.287
chr9	116984502	116984547	COL27A1	C14	EX14	NM_032888.2	99%	75%	29%	26.0645
chr9	117005786	117005840	COL27A1	C23	EX23	NM_032888.2	100%	94%	62%	34.2093
chr9	117051521	117051575	COL27A1	C45	EX45	NM_032888.2	100%	97%	21%	24.6824
chr9	117065724	117065742	COL27A1	C54	EX54	NM_032888.2	100%	93%	76%	37.5502
chr9	101983828	101983876	ALG3	C1	EX1	NM_033037.3	88%	44%	9%	18.6399
chr9	79820893	79820995	VPS13A	C5	EX5	NM_033305.2	90%	25%	4%	16.381
chr9	79932521	79932614	VPS13A	C40	EX40	NM_033305.2	99%	90%	67%	35.7955
chr9	139265775	139265913	CARD9	C7	EX7	NM_052813.4	93%	59%	26%	22.7126
chr9	139262088	139262280	CARD9	C2	EX8	NM_052813.4	100%	92%	58%	31.5714
chr9	139261667	139261709	CARD9	C8	EX9	NM_052813.4	97%	54%	9%	20.8382
chr9	131418819	131419005	WDR34	C1	EX1	NM_052844.3	59%	4%	1%	10.8957
chr9	131396967	131397200	WDR34	C7	EX7	NM_052844.3	99%	82%	51%	30.6377
chr9	80912126	80912186	PSAT1	C1	EX1	NM_058179.2	70%	10%	0%	12.4431
chr9	140128314	140128393	SLC34A3	C8	EX8	NM_080877.2	89%	45%	15%	19.6821
chr9	130242117	130242257	LRSAM1	C12	EX13	NM_138361.5	99%	87%	61%	34.3544
chr9	130255242	130255374	LRSAM1	C21	EX22	NM_138361.5	99%	90%	64%	36.1012
chr9	130265052	130265178	LRSAM1	C24E	EX25E	NM_138361.5	97%	64%	20%	22.7837
chr9	75309458	75309630	TMC1	C3	EX7	NM_138691.2	99%	77%	38%	30.4394
chr9	136293753	136293891	ADAMTS13	C7	EX7	NM_139025.3	0%	0%	0%	2.5613
chr9	136301948	136302075	ADAMTS13	C12	EX12	NM_139025.3	100%	95%	71%	37.5623
chr9	136307734	136307864	ADAMTS13	C18	EX18	NM_139025.3	100%	91%	67%	35.6103
chr9	136306496	136306882	ADAMTS13	C19	EX19	NM_139025.3	79%	22%	3%	14.9732
chr9	136309983	136310173	ADAMTS13	C20	EX20	NM_139025.3	100%	91%	49%	30.3568
chr9	136310819	136310940	ADAMTS13	C21	EX21	NM_139025.3	100%	93%	64%	34.814
chr9	4117767	4118881	GLIS3	C2	EX2	NM_152629.3	96%	83%	74%	37.8798
chr9	102590322	102591275	NRA43	C3	EX3	NM_173200.7	97%	80%	65%	68.1604
chr9	101559414	101559713	ANKK5	C1	EX1	NM_173551.3	99%	92%	0%	2.6049
chr9	126118539	126118633	CRB2	C1	EX1	NM_173689.5	72%	17%	1%	13.5879
chr9	126128195	126128391	CRB2	C3	EX3	NM_173689.5	99%	83%	61%	36.2843
chr9	126128505	126128645	CRB2	C4	EX4	NM_173689.5	86%	20%	1%	15.0872
chr9	126135412	126136199	CRB2	C10	EX10	NM_173689.5	99%	62%	36%	26.4686
chr9	55046752	55046937	ALX4S2	C5	EX6	NM_000032.4	100%	94%	74%	46.8323
chrX	152990721	152991621	ABCD1	C1	EX1	NM_000033.3	98%	89%	77%	72.8816
chrX	153002610	153002705	ABCD1	C5	EX5	NM_000033.3	99%	81%	50%	32.8762
chrX	153008942	153009189	ABCD1	C10E	EX10E	NM_000033.3	94%	80%	69%	47.0757
chrX	2878418	2878441	ARSE	C1	EX2	NM_000047.2	100%	89%	64%	41.306
chrX	13624985	13625067	BTX	C4	EX4	NM_000061.9	99%	94%	77%	46.3128
chrX	135732424	135732556	CD40LG	C2	EX2	NM_000074.2	95%	64%	34%	26.1429
chrX	135736531	135736589	CD40LG	C3	EX3	NM_000074.2	100%	82%	57%	34.897
chrX	153640180	153640289	TAZ	C1	EX1	NM_000116.3	98%	84%	61%	38.1655
chrX	153608049	153608154	EMD	C2	EX2	NM_000117.2	100%	92%	69%	41.9262
chrX	154065871	154066027	FB	C26E	EX26E	NM_000132.3	100%	92%	72%	43.7596
chrX	128616168	128616232	FK	C2	EX2	NM_000167.5	100%	92%	72%	46.293
chrX	30671654	30671732	GG	C1	EX1	NM_000167.5	87%	15%	1%	19.3442
chrX	30686128	30686235	GK	C3	EX3	NM_000167.5	100%	95%	73%	43.6174
chrX	30714733	30714800	GK	C8	EX8	NM_000167.5	100%	87%	59%	38.6988
chrX	133594341	133594368	HPRT1	C1	EX1	NM_000194.2	41%	6%	0%	9.5203
chrX	133620494	133620562	HPRT1	C4	EX4	NM_000194.2	99%	89%	69%	44.7581
chrX	148586564	148586667	IDS	C1	EX1	NM_000202.5	97%	50%	23%	33.3909
chrX	148585686	148585823	IDS	C2	EX2	NM_000202.5	99%	92%	73%	46.1307
chrX	148571844	148571971	IDS	C7	EX7	NM_000202.5	100%	94%	71%	42.9958
chrX	7032848	7032845	IL2RG	C6	EX6	NM_000206.2	100%	92%	67%	38.9122
chrX	8698970	8700077	KAL1	C1	EX1	NM_000216.2	15%	1%	0%	6.3969
chrX	8667738	8667786	KAL1	C2	EX2	NM_000216.2	99%	74%	43%	29.3508
chrX	8507704	8507799	KAL1	C10	EX10	NM_000216.2	100%	89%	59%	36.3042
chrX	8503631	8503852	KAL1	C12	EX12	NM_000216.2	99%	88%	64%	39.8295
chrX	9733607	9733857	GPR143	C1	EX1	NM_000273.2	53%	16%	1%	12.3328
chrX	9728756	9728866	GPR143	C2	EX2	NM_000273.2	99%	88%	58%	36.7645
chrX	9727371	9727466	GPR143	C3	EX3	NM_000273.2	99%	89%	63%	39.6831
chrX	9716613	9716706	GPR143	C4	EX4	NM_000273.2	99%	76%	46%	31.452
chrX	128674416	128674455	OCRL	C1	EX1	NM_000276.3	61%	9%	2%	11.7953
chrX	128674720	128674800	OCRL	C2	EX2	NM_000276.3	99%	85%	62%	40.1448
chrX	19962155	19962212	PHKA1	C1	EX1	NM_000284.3	100%	93%	73%	45.7842
chrX	18947245	18947424	PHKA2	C13	EX13	NM_000292.2	99%	74%	44%	29.3495
chrX	1892899	18929078	PHKA2	C20	EX20	NM_000292.2	100%	95%	75%	45.6052
chrX	38186592	38186620	RPRG	C1	EX1	NM_000328.2	82%	33%	10%	17.2036
chrX	38182651	38182777	RPRG	C2	EX2	NM_000328.2	82%	31%	4%	14.5083
chrX	38150211	38150277	RPRG	C13	EX13	NM_000328.2	57%	18%	7%	12.4268
chrX	38174772	38174878	RS1	C1	EX1	NM_000330.3	100%	69%	42%	42.0076
chrX	18660123	18660276	RS1	C6E	EX6E	NM_000330.3	100%	94%	66%	41.5648
chrX	48547048	48547455	WAS	C10	EX10	NM_000377.2	85%	30%	24%	24.5009
chrX	48547708	48547823	WAS	C11	EX11	NM_000377.2	98%	73%	47%	29.9776
chrX	85302487	85302536	CHM	C7	EX7	NM_000390.2	100%	93%	72%	41.4829
chrX	85286740	85286813	CHM	C3	EX3	NM_000390.2	84%	39%	13%	18.4028
chrX	85166265	85166343	CHM	C9	EX9	NM_000390.2	29%	3%	0%	7.5951
chrX	85156088	85156193	CHM	C10	EX10	NM_000390.2	98%	91%	65%	41.5043
chrX	153141215	153141291	LICAM	C1	EX1	NM_000425.3	92%	57%	29%	24.4746
chrX	153130542	153130665	LICAM	C21	EX21	NM_000425.3	100%	89%	70%	44.8434
chrX	605215	605371	SHOX	C5E	EX6E	NM_000451.3	65%	13%	1%	12.5587
chrX	76944310	76944420	ATX	C7	EX7	NM_000489.3	100%	94%	66%	41.1277
chrX	107807111	107807156	COL4A5	C4	EX4	NM_000495.4	99%	95%	61%	53.1349
chrX	107929260	107929359	COL4A5	C46	EX46	NM_000495.4	100%	88%	60%	37.4257
chrX	153448166	153448278	OPN1MW	C1	EX1	NM_000513.2	87%	49%	19%	21.0396
chrX	153453258	153453555	OPN1MW	C2	EX2	NM_000513.2	98%	95%	88%	81.7646
chrX	153455542	153455711	OPN1MW	C3	EX3	NM_000513.2	99%	93%	83%	80.0541
chrX	38226543	38226682	OTC	C2	EX2	NM_000531.5	100%	95%	76%	48.1835
chrX	152801705	152801913	ATP2B3	C1	EX1	NM_001001344.2	100%	88%	61%	38.1867
chrX	152813292	152813457	ATP2B3	C7	EX7	NM_001001344.2	98%	71%	41%	29.5169
chrX	152822374	152822481	ATP2B3	C14	EX14	NM_001001344.2	100%	91%	66%	39.1822
chrX	152830378	152830561	ATP2B3	C19	EX19	NM_001001344.2	100%	94%	68%	41.5028
chrX	70117314	70117396	TEX11	C1	EX1	NM_001003811.1	99%	90%	0%	0.7566
chrX	69964014	69964069	TEX11	C9	EX9	NM_001003811.1	99%	90%	75%	48.4261
chrX	69945111	69945193	TEX11	C11	EX13	NM_001003811.1	99%	94%	76%	47.3084
chrX	69871299	69871402	TEX11	C16	EX18	NM_001003811.1	98%	88%	63%	37.8567
chrX	69849460	69849585	TEX11	C17	EX19	NM_001003811.1	100%	93%	71%	43.9926
chrX	13741122	13741208	TRAPP2C	C1	EX1	NM_00101658.3	100%	94%	69%	39.6808
chrX	13732525	13732624	TRAPP2C	C4E	EX6E	NM_00101658.3	100%	88%	61%	37.3383
chrX	150565780	150565833	VMA21	C1	EX1	NM_001017980.3	78%	27%	9%	15.8867
chrX	14875983	14876076	FANCB	C3	EX3	NM_001018113.1	98%	72%	49%	31.7711
chrX	40101173	4010310	USP9X	C12	EX15	NM_00103990.2	100%	90%	67%	42.9655
chrX	4091639	4091777	USP9X	C4E	EX6E	NM_00103990.2	99%	85%	61%	36.0858
chrX	153760214	153760305	G6PD	C12E	EX13E	NM_001042351.1	100%	94%	79%	50.6503
chrX	19086834	19086952	GPR64	C1	EX3	NM_001079858.2	92%	62%	33%	25.9249
chrX	19051730	19051772	GPR64	C6	EX8	NM_001079858.2	100%	87%	62%	38.8684
chrX	19049101	19049155	GPR64	C7	EX9	NM_001079858.2	99%	94%	76%	46.9825
chrX	19041533	19041571	GPR64	C11	EX13	NM_001079858.2	100%	85%	55%	36.1788
chrX	19026097	19026241	GPR64	C17	EX19	NM_001079858.2	100%	90%	68%	39.811
chrX	19022875	19022997	GPR64	C21	EX23	NM_001079858.2	99%	77%	49%	31.1178
chrX	122840707	122840799	THOC2	C3	EX3	NM_001081550.1	92%	59%	31%	25.1357
chrX	122778629	122778760	THOC2	C14	EX14	NM_001081550.1	92%	61%	34%	26.4626

chrX	153579948	153580064	FLNA	C41	EX42	NM_001456.3	100%	95%	77%	48.1082
chrX	153665600	153665645	GD1I	C1	EX1	NM_001493.2	100%	83%	57%	35.1308
chrX	69366482	69366578	IGBP1	C1	EX4	NM_001551.2	99%	93%	74%	44.2211
chrX	152772504	152772643	BGN	C6	EX7	NM_001711.4	99%	82%	57%	37.1517
chrX	107408599	107408716	COL4A6	C38	EX38	NM_001847.2	99%	92%	71%	44.9088
chrX	107408106	107408268	COL4A6	C39	EX39	NM_001847.2	99%	74%	44.2197	
chrX	107406121	107406268	COL4A6	C40	EX40	NM_001847.2	99%	91%	20%	19.3585
chrX	107404948	107404965	COL4A6	C42	EX42	NM_001847.2	99%	88%	66%	27.3402
chrX	147018022	147018132	FMR1	C10	EX10	NM_002024.5	99%	91%	72%	43.8306
chrX	119602960	119603024	LAMP2	C1	EX11	NM_002294.2	99%	77%	47%	30.1721
chrX	119590505	119590624	LAMP2	C2	EX2	NM_002294.2	92%	61%	33%	25.4009
chrX	119580159	119580282	LAMP2	C6	EX6	NM_002294.2	98%	86%	55%	35.5678
chrX	123504025	123504170	SH2D1A	C3	EX3	NM_002351.4	99%	91%	66%	39.4018
chrX	123505200	123505241	SH2D1A	C4E	EX4E	NM_002351.4	98%	91%	67%	40.9405
chrX	64956656	64956787	MSN	C9	EX9	NM_002444.2	99%	87%	27%	23.7544
chrX	67431949	67432054	OPHN1	C7	EX8	NM_002547.2	100%	95%	78%	48.9408
chrX	67339089	67339174	OPHN1	C15	EX16	NM_002547.2	84%	84%	9%	17.6771
chrX	110390964	110391118	PAK3	C3	EX7	NM_002578.3	100%	89%	64%	38.029
chrX	110406142	110406274	PAK3	C5	EX9	NM_002578.3	86%	39%	12%	18.1673
chrX	47488922	47489073	CFP	C2	EX2	NM_002621.2	98%	88%	72%	47.0641
chrX	71925046	71925094	PHKA1	C3	EX3	NM_002637.3	100%	93%	70%	43.6658
chrX	71872393	71872501	PHKA1	C12	EX12	NM_002637.3	100%	90%	67%	39.9302
chrX	71870239	71870318	PHKA1	C13	EX13	NM_002637.3	96%	63%	36%	25.5904
chrX	71839363	71839155	PHKA1	C20	EX20	NM_002637.3	98%	80%	46%	32.073
chrX	71804098	71804152	PHKA1	C30	EX30	NM_002637.3	99%	90%	30%	23.8448
chrX	106871858	106871980	PRPS1	C1	EX1	NM_002764.3	100%	93%	63%	38.5097
chrX	18582596	18582642	CDKL5	C3	EX4	NM_003159.2	94%	62%	27%	24.3088
chrX	18637986	18638086	CDKL5	C15	EX16	NM_003159.2	86%	40%	15%	18.7434
chrX	49056609	49056645	SYF	C1	EX1	NM_003179.2	76%	33%	7%	16.2524
chrX	49047893	49048220	SYF	C6E	EX6E	NM_003179.2	99%	88%	65%	39.7749
chrX	118708674	118708718	UBE2A	C1	EX1	NM_003362.2	95%	54%	32%	24.6689
chrX	118708863	118708944	UBE2A	C2	EX2	NM_003362.2	99%	90%	65%	40.7473
chrX	128876083	128876157	XPNPEP2	C2	EX2	NM_003399.5	80%	53%	32%	24.4559
chrX	136648850	136649910	ZIC3	C1	EX1	NM_003413.3	100%	94%	79%	58.4134
chrX	153200336	153200357	NALP10	C1	EX1	NM_003491.3	100%	0%	0%	6.4005
chrX	119675456	119675575	CUL4B	C11	EX12	NM_003588.3	100%	87%	61%	37.2142
chrX	13764437	13764574	OFD1	C7	EX7	NM_003611.2	100%	91%	66%	41.6304
chrX	13764898	13765072	OFD1	C8	EX8	NM_003611.2	87%	38%	10%	17.6154
chrX	13769367	13769487	OFD1	C10	EX10	NM_003611.2	98%	71%	39%	27.9674
chrX	13773369	13773361	OFD1	C12	EX12	NM_003611.2	100%	83%	61%	38.1535
chrX	13785245	13785403	OFD1	C20	EX20	NM_003611.2	96%	72%	44%	32.2563
chrX	13786172	13786343	OFD1	C21	EX21	NM_003611.2	90%	53%	23%	22.3327
chrX	41646430	41646536	CASK	C3	EX3	NM_003688.3	100%	94%	71%	42.9421
chrX	41640476	41640484	CASK	C4	EX4	NM_003688.3	100%	88%	63%	38.8527
chrX	41485856	41485856	CASK	C10	EX10	NM_003688.3	99%	78%	47%	32.6619
chrX	41481869	41481887	CASK	C11	EX11	NM_003688.3	100%	81%	54%	34.2511
chrX	41383203	41383287	CASK	C26	EX26	NM_003688.3	98%	80%	52%	34.294
chrX	15864025	15864134	AP1S2	C2	EX3	NM_003916.3	94%	61%	33%	24.5848
chrX	15863501	15863639	AP1S2	C3	EX4	NM_003916.3	97%	78%	46%	32.2367
chrX	32841411	32841504	DMD	C5	EX5	NM_004006.2	99%	92%	74%	44.9299
chrX	32366522	32366545	DMD	C38	EX38	NM_004006.2	99%	92%	67%	42.6382
chrX	31366672	31366751	DMD	C61	EX61	NM_004006.2	100%	92%	71%	44.1932
chrX	31341714	31341775	DMD	C62	EX62	NM_004006.2	100%	95%	74%	45.0452
chrX	31196048	31196087	DMD	C71	EX71	NM_004006.2	94%	66%	31%	25.34
chrX	31144758	31144790	DMD	C78	EX78	NM_004006.2	100%	88%	60%	37.1839
chrX	108460520	108460552	TM6MSB2	C1	EX1	NM_004085.3	99%	81%	63%	40.434
chrX	74291343	74291518	ABC8	C9	EX9	NM_004299.3	99%	87%	72%	44.4927
chrX	108924494	108924604	ACSL4	C3	EX5	NM_004458.2	98%	85%	64%	40.4184
chrX	54521558	54521865	FGD1	C1	EX1	NM_004463.2	67%	26%	8%	14.927
chrX	54497015	54497193	FGD1	C3	EX3	NM_004463.2	96%	75%	68%	43.4663
chrX	133119301	133119476	GP-C3	C1	EX1	NM_004484.3	99%	88%	50%	38.895
chrX	5346568	53465827	HSY181B10	C2	EX2	NM_004693.2	100%	94%	67%	42.6383
chrX	20284681	20284750	RP6KA3	C1	EX1	NM_004586.2	97%	70%	44%	30.0367
chrX	20212306	20212386	RP6KA3	C6	EX6	NM_004586.2	94%	71%	42%	28.2832
chrX	20206614	20206652	RP6KA3	C10	EX10	NM_004586.2	99%	65%	37%	26.9359
chrX	20204413	20204484	RP6KA3	C18	EX18	NM_004586.2	100%	84%	57%	35.9756
chrX	20195113	20195202	RP6KA3	C11	EX11	NM_004586.2	98%	68%	33%	26.2887
chrX	21958942	21958991	SM5	C1	EX1	NM_004595.4	91%	51%	22%	21.958
chrX	70586164	70586344	TAF1	C1	EX1	NM_004606.3	98%	93%	67%	69.879
chrX	135829666	135829751	ARHGFEF6	C1	EX3	NM_004840.2	100%	92%	70%	43.9952
chrX	70338604	70337803	MED12	C1	EX1	NM_005120.2	100%	81%	52%	33.9112
chrX	70340484	70340507	MED12	C42	EX42	NM_005120.2	99%	82%	74%	52.7979
chrX	70361079	70361220	MED12	C43	EX43	NM_005120.2	49%	10%	0%	10.6662
chrX	49075340	49075400	CACNA1F	C22	EX22	NM_005183.2	100%	94%	71%	43.0216
chrX	49072841	49072988	CACNA1F	C27	EX27	NM_005183.2	100%	88%	62%	38.3777
chrX	153219057	153219221	HCF1	C18	EX18	NM_005342.2	100%	94%	74%	45.7926
chrX	150154523	150154623	HNF1B	C2	EX2	NM_005342.2	100%	87%	58%	36.3909
chrX	150156249	150156387	HMGCB3	CAE	EX5E	NM_005342.2	99%	79%	50%	33.5441
chrX	152954029	152954291	SLCGA8	C1	EX1	NM_005629.3	61%	26%	8%	14.2543
chrX	152959359	152959472	SLCGA8	C8	EX8	NM_005629.3	99%	81%	52%	33.4857
chrX	139585884	139587225	SOX3	C1E	EX1E	NM_005634.2	86%	68%	61%	59.3429
chrX	47030426	47030657	RBM10	C3	EX4	NM_005676.4	84%	39%	17%	19.1652
chrX	47038717	47038894	RBM10	C8	EX9	NM_005676.4	100%	94%	70%	44.1983
chrX	47045463	47045570	RBM10	C21	EX22	NM_005676.4	100%	95%	72%	43.5241
chrX	48759509	48759794	PQB1P	C4	EX4	NM_005710.2	98%	73%	44%	30.3079
chrX	40440317	40440354	ATP6AP2	C1	EX1	NM_005765.2	96%	72%	43%	29.3347
chrX	53421697	53421908	SMC1A	C19	EX19	NM_006306.2	87%	49%	27%	22.4572
chrX	53407023	53407107	SMC1A	C25E	EX25E	NM_006306.2	99%	87%	67%	37.1055
chrX	135067661	135067986	SLC9A6	C1	EX1	NM_006359.2	92%	91%	85%	96.8517
chrX	73641472	73641902	SLC16A2	C1	EX1	NM_006517.4	95%	77%	62%	58.6221
chrX	48900636	48900752	TFE3	C1	EX1	NM_006521.4	61%	11%	3%	12.148
chrX	48890979	48891055	TFE3	C1E	EX1E	NM_006521.4	90%	95%	80%	50.1643
chrX	48887668	48888612	TFE3	C2	EX2	NM_006521.4	100%	92%	76%	51.498
chrX	95940057	95940489	DIAPH2	C1	EX1	NM_006729.4	99%	67%	19%	13.4827
chrX	9619231	96192350	DIAPH2	C11	EX11	NM_006729.4	98%	90%	66%	41.2928
chrX	96203933	96204038	DIAPH2	C15	EX15	NM_006729.4	99%	81%	56%	31.5962
chrX	96327939	96328041	DIAPH2	C18	EX18	NM_006729.4	96%	68%	40%	27.4249
chrX	96354692	96354794	DIAPH2	C20	EX20	NM_006729.4	100%	93%	77%	49.0049
chrX	96388807	96389043	DIAPH2	C25	EX25	NM_006729.4	7%	9%	1%	4.6925
chrX	96854251	96854316	DIAPH2	C27E	EX27E	NM_006729.4	99%	92%	67%	40.1327
chrX	48933524	48933604	WDR45	C6	EX8	NM_007075.3	100%	92%	71%	43.6658
chrX	48932794	48932940	WDR45	C9	EX11	NM_007075.3	100%	97%	64%	38.8404
chrX	107069656	107069660	MI02	C1	EX1	NM_012216.3	74%	32%	10%	16.5616
chrX	107147187	107147295	MI02	C4	EX4	NM_012216.3	99%	85%	67%	35.2503
chrX	48336836	48336906	F5L3	C2	EX3	NM_012280.2	100%	93%	69%	40.4507
chrX	69595053	69595198	KIF4A	C16	EX17	NM_012310.4	100%	90%	66%	39.5795
chrX	69595949	69596060	KIF4A	C17	EX18	NM_012310.4	78%	26%	3%	15.1086
chrX	69607033	69607147	KIF4A	C19	EX20	NM_012310.4	100%	92%	75%	45.814
chrX	69623713	69623884	KIF4A	C23	EX24	NM_012310.4	98%	73%	41%	28.6729
chrX	48923096	48923146	CDC22	C1	EX1	NM_014008.3	96%	67%	31%	28.1045
chrX	49103191	49103386	CDC22	C7	EX7	NM_014008.3	99%	92%	75%	47.2411
chrX	49103956	49104019	CDC22	C10	EX10	NM_014008.3	99%	91%	68%	41.6858
chrX	49104651	49104771	CDC22	C18	EX18	NM_014008.3	92%	54%	27%	23.6885
chrX	49104867	49104984	CDC22	C11	EX11	NM_014008.3				

chrX	64732654	64732781	LAS1L	C14E	EX14E	NM_031206.4	100%	94%	75%	45.4901
chrX	53657886	53657886	HUWE1	C9	EX12	NM_031407.5	98%	83%	53%	33.3532
chrX	53655443	53655711	HUWE1	C12	EX15	NM_031407.5	96%	77%	53%	34.1224
chrX	53652117	53652219	HUWE1	C15	EX18	NM_031407.5	100%	89%	65%	39.8637
chrX	53644300	53644407	HUWE1	C17	EX20	NM_031407.5	99%	84%	57%	36.77
chrX	53621458	53621581	HUWE1	C28	EX31	NM_031407.5	100%	90%	66%	40.9024
chrX	53560269	53560372	HUWE1	C81E	EX84E	NM_031407.5	100%	92%	66%	40.1787
chrX	77109397	77109461	MAGT1	C1	EX7	NM_032121.5	100%	85%	57%	35.3024
chrX	77086301	77086392	MAGT1	C9	EX9	NM_032121.5	48%	8%	0%	10.6635
chrX	133511647	133511785	PHF6	C1	EX2	NM_032458.2	98%	92%	77%	45.1572
chrX	133512034	133512136	PHF6	C2	EX3	NM_032458.2	100%	94%	78%	45.0921
chrX	133547520	133547687	PHF6	C5	EX6	NM_032458.2	99%	89%	62%	37.6966
chrX	133559230	133559360	PHF6	C9E	EX10E	NM_032458.2	96%	66%	35%	26.4062
chrX	54466854	54466935	TSR2	C1	EX1	NM_058165.1	94%	94%	39%	27.5019
chrX	118985729	118985836	UPF3B	C2	EX2	NM_080632.2	100%	84%	56%	36.4774
chrX	47478750	47479127	SYN1	C1	EX1	NM_133499.2	95%	72%	43%	30.6851
chrX	47434526	47434673	SYN1	C10	EX10	NM_133499.2	99%	92%	72%	43.4016
chrX	47434086	47434174	SYN1	C11	EX11	NM_133499.2	97%	67%	32%	26.9301
chrX	47433400	47433989	SYN1	C12	EX12	NM_133499.2	66%	27%	10%	15.586
chrX	25031038	25031915	ARX	C2	EX2	NM_139058.2	62%	52%	42%	30.1777
chrX	25025227	25025556	ARX	C4	EX4	NM_139058.2	97%	61%	35%	26.1011
chrX	25022786	25023027	ARX	C5E	EX5E	NM_139058.2	94%	73%	53%	37.3407
chrX	74725655	74725682	ZDHHC15	C2	EX2	NM_144969.2	99%	91%	66%	40.5171
chrX	74698725	74698820	ZDHHC15	C3	EX3	NM_144969.2	100%	94%	71%	43.2786
chrX	74644486	74644619	ZDHHC15	C8	EX8	NM_144969.2	87%	46%	17%	17.78
chrX	152864515	152864529	FAM58A	C1	EX1	NM_152274.3	76%	27%	3%	15.0955
chrX	152864480	152864515	FAM58A	C1	EX1	NM_152274.3	84%	36%	7%	17.1377
chrX	152864419	152864480	FAM58A	C1	EX1	NM_152274.3	90%	45%	15%	19.6988
chrX	152860004	152860137	FAM58A	C3	EX3	NM_152274.3	100%	85%	54%	36.1947
chrX	153857963	153858191	FAM58A	C4	EX4	NM_152274.3	100%	83%	54%	36.104
chrX	80064939	80064970	BRWD3	C1	EX1	NM_153252.4	96%	63%	37%	27.939
chrX	80064037	80064097	BRWD3	C4	EX4	NM_153252.4	100%	67%	40%	16.655
chrX	79991486	79991587	BRWD3	C9	EX9	NM_153252.4	96%	70%	42%	28.3454
chrX	79984250	79984404	BRWD3	C14	EX14	NM_153252.4	99%	89%	64%	39.539
chrX	79962925	79963002	BRWD3	C22	EX22	NM_153252.4	100%	94%	71%	41.9555
chrX	79946551	79946672	BRWD3	C31	EX31	NM_153252.4	73%	27%	4%	15.0555
chrX	106482151	106482237	PHI1D3	C5	EX6	NM_173494.1	99%	88%	55%	35.1996
chrX	110576278	110576381	DCX	C3	EX4	NM_178153.2	100%	89%	59%	36.2625
chrX	131231293	131231372	FRMD7	C4	EX4	NM_194277.2	99%	72%	42%	28.8322
chrX	17393880	17393945	NHS	C1	EX1	NM_198270.2	55%	27%	15%	15.3507
chrY	2655029	2655644	SRV	C1E	EX1E	NM_003140.1	55%	55%	55%	98.6682
chrY	14821380	14821476	USP9Y	C1	EX3	NM_004654.3	55%	55%	51%	31.5998
chrY	14832521	14832670	USP9Y	C2	EX4	NM_004654.3	55%	54%	48%	26.3479
chrY	14834040	14834120	USP9Y	C3	EX5	NM_004654.3	55%	54%	55%	65.2354
chrY	14837045	14837158	USP9Y	C4	EX6	NM_004654.3	55%	55%	55%	74.4598
chrY	14838507	14838726	USP9Y	C5	EX7	NM_004654.3	55%	54%	53%	40.1798
chrY	14847545	14847661	USP9Y	C6	EX8	NM_004654.3	55%	55%	55%	54.1476
chrY	14847931	14848183	USP9Y	C7	EX9	NM_004654.3	55%	52%	41%	21.3833
chrY	14848344	14848483	USP9Y	C8	EX10	NM_004654.3	55%	52%	34%	18.6839
chrY	14850090	14850243	USP9Y	C9	EX11	NM_004654.3	55%	50%	34%	18.6558
chrY	14851458	14851563	USP9Y	C10	EX12	NM_004654.3	55%	55%	54%	37.4537
chrY	14869121	14869328	USP9Y	C11	EX13	NM_004654.3	55%	55%	54%	44.1253
chrY	14870435	14870572	USP9Y	C12	EX14	NM_004654.3	55%	30%	7%	11.8197
chrY	14872413	14872547	USP9Y	C13	EX15	NM_004654.3	55%	55%	54%	33.44
chrY	14883001	14883089	USP9Y	C14	EX16	NM_004654.3	55%	55%	54%	29.7946
chrY	14885516	14885559	USP9Y	C15	EX17	NM_004654.3	55%	55%	55%	48.1102
chrY	14887404	14887500	USP9Y	C16	EX18	NM_004654.3	55%	53%	43%	22.1354
chrY	14888582	14888794	USP9Y	C17	EX19	NM_004654.3	55%	55%	52%	30.4248
chrY	14889952	14890193	USP9Y	C18	EX20	NM_004654.3	55%	50%	42%	23.5046
chrY	14890539	14890689	USP9Y	C19	EX21	NM_004654.3	55%	54%	54%	60.4443
chrY	14891459	14891580	USP9Y	C20	EX22	NM_004654.3	54%	53%	52%	30.1828
chrY	14893136	14893257	USP9Y	C21	EX23	NM_004654.3	55%	54%	53%	57.5446
chrY	14898454	14898733	USP9Y	C22	EX24	NM_004654.3	55%	54%	53%	41.2183
chrY	14902339	14902465	USP9Y	C23	EX25	NM_004654.3	55%	55%	51%	25.4247
chrY	14903431	14903557	USP9Y	C24	EX26	NM_004654.3	55%	54%	44%	22.6455
chrY	14904964	14905134	USP9Y	C25	EX27	NM_004654.3	55%	55%	55%	52.1859
chrY	14922113	14922222	USP9Y	C26	EX28	NM_004654.3	54%	54%	52%	29.4575
chrY	14922606	14922753	USP9Y	C27	EX29	NM_004654.3	55%	55%	55%	50.6138
chrY	14923569	14923716	USP9Y	C28	EX30	NM_004654.3	55%	54%	47%	24.2185
chrY	14924764	14924987	USP9Y	C29	EX31	NM_004654.3	55%	55%	54%	35.8304
chrY	14928058	14928279	USP9Y	C30	EX32	NM_004654.3	55%	55%	55%	63.1982
chrY	14930554	14930575	USP9Y	C31	EX33	NM_004654.3	55%	55%	55%	58.0227
chrY	14945613	14945787	USP9Y	C32	EX34	NM_004654.3	55%	55%	54%	45.4841
chrY	14949836	14949978	USP9Y	C33	EX35	NM_004654.3	54%	41%	13%	13.6688
chrY	14951789	14952540	USP9Y	C34	EX36	NM_004654.3	55%	54%	53%	37.7237
chrY	14952935	14953059	USP9Y	C35	EX37	NM_004654.3	55%	55%	54%	39.6711
chrY	14954165	14954391	USP9Y	C36	EX38	NM_004654.3	55%	55%	55%	84.4861
chrY	14954988	14955118	USP9Y	C37	EX39	NM_004654.3	55%	54%	51%	28.7102
chrY	14958257	14958443	USP9Y	C38	EX40	NM_004654.3	55%	55%	54%	44.0106
chrY	14958857	14959078	USP9Y	C39	EX41	NM_004654.3	55%	55%	55%	52.2401
chrY	14959163	14959252	USP9Y	C40	EX42	NM_004654.3	55%	55%	55%	41.4379
chrY	14968264	14968421	USP9Y	C41	EX43	NM_004654.3	55%	55%	54%	34.3572
chrY	14968557	14968770	USP9Y	C42	EX44	NM_004654.3	54%	44%	33%	19.7798
chrY	14969490	14969586	USP9Y	C43	EX45	NM_004654.3	55%	55%	55%	34.8966
chrY	14971203	14971341	USP9Y	C44E	EX46E	NM_004654.3	50%	19%	3%	9.7168