

Supplementary Table S1. Genomic context of microdeletions found in all epilepsy samples.

Chr	Start	End	Size	Probes	N°Genes	Genes	Sample ID	Phenotype	Overlaps HOTSPOT?
1	846808	4679951	3833144	1112	94	ACAP3,AGRN,ANKRD65,ATAD3A,ATAD3B,ATAD3C,AURKAIP1,B3GALT6,C1orf159,C1orf233,CCNL2,CDK11B,CPSF3L,CPTP,DVL1,FAM132A,HES4,ISG15,KLHL17,MIB2,MMP23B,MRPL20,MXRA8,NOC2L,PERM1,PLEKHN1,PUSL1,RNF223,SAMD11,SCNN1D,SDF4,SLC35E2B,SSU72,TAS1R3,TMEM240,TMEM88B,TNFRSF18,TNFRSF4,TTL10,UBE2J2,VWA1,LINC01342,LOC100130417,LOC102724312,LOC148413,MIR200A,MIR200B,MIR429,MIR6726,MIR6727,MIR6808,MMP23A,ACTRT2,C1orf86,CALML6,CFAP74,FAM213B,GABRD,GNB1,HES5,MME11,MORN1,NADK,PANK4,PEX10,PLCH2,PRDM16,PRKCZ,RER1,SKI,TMEM52,TNFRSF14,TTCC34,LINC00982,LOC100129534,LOC100996583,LOC115110,MIR4251,ARHGAP15,C1orf174,CCDC27,CEP104,DFFB,LRR47,MEGF6,SMIM1,TP73,TPRG1L,WRAP73,LINC01134,MIR551A,TP73-AS1,LINC01346,LOC284661	IT-PR-2	AFE	NO
1	4529544	5043734	514191	266	1	AJAP1	E472	RE	NO
1	18361468	18853490	492023	419	3	IGSF21,KLHDC7A,LOC101927876	CTR-0001	Ctrl	NO
1	50002235	50676365	674131	289	2	AGBL4,ELAVL4	CTR-0002	Ctrl	NO
1	76631270	77036326	405057	294	1	ST6GALNAC3	CTR-0003	Ctrl	NO
1	80073991	81847639	1773649	1198	1	LOC101927412	CTR-0004	Ctrl	NO
1	81563249	82131272	568024	497	1	LOC101927434	CTR-0005	Ctrl	NO
1	97005643	97712686	707044	389	3	DPYD,PTBP2,DPYD-AS1	EC-CAE428	GGE	NO
1	100661874	101502850	840977	488	12	CDC14A,DBT,DPH5,EXTL2,GPR88,RTCA,SLC30A7,VCAM1,LINC01349,LOC102606465,MIR553,RTCA-AS1	CTR-0006	Ctrl	NO
1	104452958	106299533	1846576	1037	2	LOC100129138,LOC101928476	CTR-0007	Ctrl	NO
1	105739503	106540583	801081	157	1	LOC101928476	6015617154_R01C01	Ctrl	NO
1	110606081	111393713	787633	653	17	ALX3,KCNA10,KCNA2,KCNA3,KCNC4,LAMTOR5,PROK1,RBM15,SLC16A4,SLC6A17,UBL4B,CYMP,KCNC4-AS1,LAMTOR5-AS1,LINC01397,LOC440600,LOC440602	EC-EGTCS014	GGE	NO
1	145932456	147831171	1898716	682	22	ACP6,BCL9,CHD1L,FMO5,GJA5,GJA8,GPR89B,NBPF10,NBPF11,NBPF12,NBPF20,NBPF8,PRKAB2,LINC00624,LOC101927468,LOC728989,MIR5087,NBPF13P,NBPF25P,PDIA3P1,PDZK1P2,RNVU1-8	CTR-0008	Ctrl	YES
1	146496383	147831171	1334789	675	18	ACP6,BCL9,CHD1L,FMO5,GJA5,GJA8,GPR89B,NBPF11,NBPF8,PRKAB2,LINC00624,LOC101927468,LOC728989,MIR5087,NBPF13P,PDIA3P1,PDZK1P2,RNVU1-8	EC-CAE381	GGE	YES
1	187074307	187997025	922719	622	1	LINC01036	CTR-0009	Ctrl	NO
1	187320741	188743888	1423148	961	1	LINC01036	EC-EGMA026	GGE	NO
1	191141835	191607427	465593	276	0		CTR-0010	Ctrl	NO
1	237834700	239439084	1604385	537	4	RYR2,ZP4,LINC01139,LOC100130331	tle-273	AFE	NO
1	247828797	248578622	749826	192	27	OR11L1,OR13G1,OR14A16,OR14C36,OR1C1,OR2AK2,OR2L13,OR2L2,OR2L3,OR2L5,OR2L8,OR2M2,OR2M3,OR2M4,OR2M5,OR2M7,OR2T1,OR2T12,OR2T33,OR2T4,OR2T6,OR2T8,OR2W3,OR6F1,TRIM58,OR2L1P,OR2M1P	6015617155_R04C01	Ctrl	NO
2	21683285	23585786	1902502	397	2	LOC102723362,LOC645949	E102	RE	NO
2	22138930	23445743	1306814	852	1	LOC102723362	EC-EGTCS105	GGE	NO
2	35144127	35957851	813725	567	0		CTR-0011	Ctrl	NO
2	35708834	36456580	747747	604	0		EC-JME413	GGE	NO
2	39459208	39933966	474759	296	4	MAP4K3,TMEM178A,LOC728730,TMEM178A	CTR-0012	Ctrl	NO
2	50895613	51358886	463274	141	2	NRXN1,MIR8485	88_4	RE	NO
2	50979977	51453231	473255	333	1	NRXN1	EC-CAE333	GGE	NO
2	51080429	51682854	602426	444	1	NRXN1	EC-JAE085	GGE	NO
2	52721889	53561575	839687	273	1	MIR4431	6015617107_R06C02	Ctrl	NO
2	82382056	83395285	1013230	532	1	LOC1720	CTR-0013	Ctrl	NO
2	111392259	113094793	1702535	340	15	ACOXL,ANAPC1,BCL2L11,BUB1,FBLN7,MERTK,TMEM87B,ZC3H6,ZC3H8,LOC400997,MIR4435-1,MIR4435-1HG,MIR4435-2,MIR4771-1,MIR4771-2	25SLHE1AB00534297	Ctrl	NO
2	116858262	118862350	2004089	1236	3	CCDC93,DDX18,INSIG2	CTR-0014	Ctrl	NO
2	130275170	130762880	487711	333	4	RAB6C,LOC101927924,LOC389033,RAB6C-AS1	EC-JME399	GGE	NO
2	132063736	132503337	439602	228	12	CCDC74A,MZT2A,TUBA3D,WTH3DI,LINC01087,LINC01120,LOC150776,LOC401010,MIR4784,POTEKP,RNU6-81P,C2orf27A	CTR-0015	Ctrl	NO
2	137102171	137720610	618440	536	0		CTR-0016	Ctrl	NO
2	143121048	143968270	847223	495	2	ARHGAP15,KYNU	CTR-0017	Ctrl	NO
2	171695070	172163971	468902	252	3	GAD1,GORASP2,TLK1	CTR-0018	Ctrl	NO
2	193143380	194087210	943831	470	1	PCGEM1	CTR-0019	Ctrl	NO

2	213133916	213639760	505845	388	2	ERBB4,MIR548F2	CTR-0020	Ctrl	NO
2	220690131	221835641	1145511	317	1	MIR4268	EP565	AFE	NO
3	60333	1853710	1793378	1582	5	CHL1,CNTN6,CHL1-AS1,LINC01266,LOC102723448	EC-JME554	GGE	NO
3	60333	2823064	2762732	2416	7	CHL1,CNTN4,CNTN6,CHL1-AS1,CNTN4-AS2,LINC01266,LOC102723448	CTR-0021	Ctrl	NO
3	168688	2657435	2488748	2171	6	CHL1,CNTN4,CNTN6,CHL1-AS1,CNTN4-AS2,LINC01266	CTR-0022	Ctrl	NO
3	1149544	1661120	511577	295	1	CNTN6	5913280008_ R02C01	Ctrl	NO
3	2050777	3158485	1107709	556	4	CNTN4,IL5RA,CNTN4-AS1,CNTN4-AS2	6015617137_ R01C01	Ctrl	NO
3	2212224	2879612	667389	566	1	CNTN4	CTR-0023	Ctrl	NO
3	12123180	12581830	458651	291	5	MKRN2OS,PPARG,SYN2,TIMP4,TSEN2	CTR-0024	Ctrl	NO
3	83768965	84545597	776633	375	0		CTR-0025	Ctrl	NO
3	85017098	85603757	586660	309	3	MIR5688,CADM2	EC-JME104	GGE	NO
3	89453045	89952815	499771	205	1	EPHA3	CTR-0026	Ctrl	NO
3	109246073	109747572	501500	518	1	MIR4445	CTR-0027	Ctrl	NO
3	162012615	162698133	685519	126	0		6015596166_ R06C02	Ctrl	NO
3	163122547	164071784	949238	517	1	MIR1263	CTR-0028	Ctrl	NO
3	165317672	166886252	1568581	861	1	BCHE	EC-CAE040	GGE	NO
3	175080735	175746934	666200	417	4	NAALADL2,MIR4789,MIR548AY,NAALADL2-AS1	EC-JME194	GGE	NO
3	175081214	175746934	665721	414	4	NAALADL2,MIR4789,MIR548AY,NAALADL2-AS1	CTR-0029; CTR-0030	Ctrl,Ct rl	NO
4	27778687	31233363	3454677	2209	3	PCDH7,LOC102723778,MIR4275	EC-JME445	GGE	NO
4	29869342	31032608	1163267	246	1	PCDH7	EPI0301	AFE	NO
4	92610923	93200528	589606	268	1	LOC101929194	CTR-0031	Ctrl	NO
4	105742158	106158458	416301	244	2	TET2,TET2-AS1	CTR-0032	Ctrl	NO
4	116428545	116930084	501540	282	0		CTR-0033	Ctrl	NO
4	117074400	118178149	1103750	683	2	TRAM1L1,MIR1973	CTR-0034	Ctrl	NO
4	117478490	118740650	1262161	320	2	TRAM1L1,LINC01378	L1904	AFE	NO
4	136159924	136592446	432523	219	0		EC-EGMA083	GGE	NO
4	160388454	160836212	447759	271	0		CTR-0035	Ctrl	NO
4	160857395	161878326	1020932	263	0		IT-MN-32	AFE	NO
4	172607979	173399996	792018	483	1	GALNTL6	CTR-0036	Ctrl	NO
4	182230250	182962405	732156	648	0		CTR-0037	Ctrl	NO
4	187512056	188078484	566429	435	1	FAT1	CTR-0038	Ctrl	NO
4	187972195	188471064	498870	330	2	LOC100506272,LOC339975	EC-JME055	GGE	NO
4	188948961	189890184	941224	727	3	TRIML1,TRIML2,LINC01060	CTR-0039	Ctrl	NO
4	189132112	190161009	1028898	825	1	LINC01060	CTR-0040	Ctrl	NO
4	189133207	190552585	1419379	425	1	LINC01060	L2804	AFE	NO
4	189244879	190439764	1194886	901	1	LINC01060	CTR-0041	Ctrl	NO
4	189260808	189958110	697303	248	1	LINC01060	5913280027_ R03C01	Ctrl	NO
4	189390949	189926941	535993	180	1	LINC01060	IT-BA-57	AFE	NO
5	275875	1257621	981747	391	22	AHRR,BRD9,CEP72,EXOC3,NKD2,PDCD6,SLC12A7,SLC6A18,SLC6A19,SLC9A3,TERT,TPPP,TRIP13,ZDHHC11,CTD-3080P12.3,EXOC3-AS1,LOC100288152,LOC100506688,LOC100996325,MIR4456,MIR4635,PP7080	EC-CAE099	GGE	NO
5	8074665	8697444	622780	199	3	LOC729506,MIR4458,MIR4458HG	IT-PR-39	AFE	NO
5	23200492	23967573	767082	454	1	PRDM9	CTR-0042	Ctrl	NO
5	23371163	24624103	1252941	238	2	CDH10,PRDM9	6015617071_ R06C01	Ctrl	NO
5	25185177	25829555	644379	376	0		CTR-0043	Ctrl	NO
5	28059042	31736582	3677541	2427	7	C5orf22,CDH6,DROSHA,LOC101929645,LOC101929660,LOC101929681,LSP1P3	EC-JME481	GGE	NO
5	100534242	102566438	2032197	1199	7	GIN1,PAM,PIIP5K2,SLCO4C1,SLCO6A1,LINC00491,LINC00492	EC-EGTCS014	GGE	NO
5	101481484	102005038	523555	285	4	SLCO4C1,SLCO6A1,LINC00491,LINC00492	CTR-0044	Ctrl	NO
5	101518451	103697029	2178579	1186	10	C5orf30,GIN1,NUDT12,PAM,PIIP5K2,SLCO4C1,SLCO6A1,LINC00491,LINC00492,LOC102467212	CTR-0045	Ctrl	NO
5	103362555	103771854	409300	254	0		CTR-0046	Ctrl	NO
5	104011380	104423684	412305	290	0		EC-JME399	GGE	NO
5	154689635	155583137	893503	213	0		25SLHE1AB00 578488	Ctrl	NO
6	22739208	23372483	633276	413	0		EC-CAE393	GGE	NO
6	47946823	49749615	1802793	982	8	C6orf141,CENPQ,CRISP2,CRISP3,GLYATL3,MUT,PTCHD4,RHAG	CTR-0047	Ctrl	NO
6	48013276	48653561	640286	335	1	PTCHD4	EC-JAE106	GGE	NO
6	67058129	67497830	439702	329	0		CTR-0048	Ctrl	NO
6	67382664	68653644	1270981	283	0		IT-FI-33	AFE	NO
6	94553885	95265811	711927	475	0		CTR-0049	Ctrl	NO
6	140891477	141310653	419177	211	1	MIR4465	EC-CAE077	GGE	NO
6	144444363	146880409	2436047	1475	8	EPM2A,FBXO30,GRM1,RAB32,SHPRH,STX11,UTRN,LOC100507557	EC-CAE347	GGE	NO

6	162459571	162995679	536109	198	1	PARK2	5970153030_	Ctrl	NO
6	162801345	163287279	485935	337	2	PACRG,PARK2	R02C02 EC-CAE204	GGE	NO
6	163661513	170904973	7243461	2439	59	C6orf118,CCR6,FGFR1OP,GPR31,MPC1,PACRG,PDE10A,PRR18,QKI, RNASET2,RPS6KA2,SFT2D1,T,CAHM,DKFZp451B082,LINC00473,LINC00602,LOC100289495,LOC101929297,MIR1913,MIR3939,MIR7641-2,PACRG-AS1,RPS6KA2-AS1,RPS6KA2-IT1,C6orf120,DACT2,DLL1,ERMARD,FAM120B,FRMD1,HGC6.3,KIF25,MLLT4,PDCD2,PHF10,PSMB1,SMOC2,TBP,TCP10,TCTE3,THBS2,TTL2,UNC93A,WDR27,FLJ38122,KIF25-AS1,LINC00242,LINC00574,LINC01558,LOC101929420,LOC101929504,LOC102724511,LOC154449,LOC285804,LOC401286,LOC441178,MIR4644,MLLT4-AS1	IT-NA-89	AFE	NO
7	10116564	10845291	728728	491	0		CTR-0050	Ctrl	NO
7	13466980	14269443	802464	786	2	DGKB,ETV1	CTR-0051	Ctrl	NO
7	23088341	24183209	1094869	732	12	CCDC126,FAM221A,GPNMB,IGF2BP3,KLHL7,MALSU1,NUPL2,STK31,TRA2A,CLK2P1,KLHL7-AS1,RPS2P32	CTR-0052	Ctrl	NO
7	63431014	64019749	588736	345	7	ZNF679,ZNF680,ZNF727,ZNF735,ZNF736,LINC01005,YWHAEP1	CTR-0053	Ctrl	NO
7	64487892	65326821	838930	283	6	ZNF92,CCT6P1,CCT6P3,INTS4P2,LOC441242,SNORA22	CTR-0016	Ctrl	NO
7	64527406	65162170	634765	223	4	ZNF92,CCT6P3,INTS4P2,LOC441242	CTR-0055	Ctrl	NO
7	64542840	65162170	619331	222	3	ZNF92,INTS4P2,LOC441242	CTR-0056	Ctrl	NO
7	64565573	65162170	596598	218	3	ZNF92,INTS4P2,LOC441242	CTR-0057	Ctrl	NO
7	64594329	65162170	567842	216	3	ZNF92,INTS4P2,LOC441242	EC-JME310; CTR-0060; CTR-0062	GGE,Ctrl,Ctrl	NO
7	64594329	65094953	500625	213	1	ZNF92	EC-JAE192; CTR-0063; CTR-0064; CTR-0069	GGE,Ctrl,Ctrl	NO
7	64594329	65080276	485948	206	1	ZNF92	CTR-0061	Ctrl	NO
7	64594329	65091612	497284	212	1	ZNF92	CTR-0065	Ctrl	NO
7	64594329	65076447	482119	205	1	ZNF92	CTR-0067	Ctrl	NO
7	64594329	65161364	567036	215	3	ZNF92,INTS4P2,LOC441242	CTR-0058; CTR-0059	Ctrl,Ctrl	NO
7	64594329	65082747	488419	207	1	ZNF92	CTR-0066; CTR-0068	Ctrl,Ctrl	NO
7	64637116	65162170	525055	215	3	ZNF92,INTS4P2,LOC441242	CTR-0070	Ctrl	NO
7	64637116	65082747	445632	206	1	ZNF92	CTR-0071	Ctrl	NO
7	64651298	65162170	510873	214	3	ZNF92,INTS4P2,LOC441242	CTR-0072	Ctrl	NO
7	64651298	65091612	440315	210	1	ZNF92	CTR-0073	Ctrl	NO
7	64651628	65106792	455165	210	1	ZNF92	CTR-0074	Ctrl	NO
7	64663212	65162170	498959	211	3	ZNF92,INTS4P2,LOC441242	EC-CAE009; EC-JME454	GGE,GGE	NO
7	64663212	65161364	498153	210	3	ZNF92,INTS4P2,LOC441242	CTR-0075	Ctrl	NO
7	64663212	65106792	443581	209	1	ZNF92	CTR-0076	Ctrl	NO
7	64663212	65082747	419536	202	1	ZNF92	CTR-0077	Ctrl	NO
7	64673048	65161364	488317	208	3	ZNF92,INTS4P2,LOC441242	EC-EGMA070	GGE	NO
7	64673048	65162170	489123	209	3	ZNF92,INTS4P2,LOC441242	CTR-0078; CTR-0079	Ctrl,Ctrl	NO
7	64680323	65162170	481848	208	3	ZNF92,INTS4P2,LOC441242	CTR-0080	Ctrl	NO
7	64680323	65087974	407652	202	1	ZNF92	CTR-0081	Ctrl	NO
7	76072579	76601573	528995	238	5	DTX2,POMZP3,UPK3B,FDPSP2,LOC100133091	CTR-0082	Ctrl	NO
7	76074968	76601573	526606	237	5	DTX2,POMZP3,UPK3B,FDPSP2,LOC100133091	EC-CAE104; CTR-0085	GGE,Ctrl	NO
7	76074968	76607295	532328	238	5	DTX2,POMZP3,UPK3B,FDPSP2,LOC100133091	CTR-0083	Ctrl	NO
7	76074968	76565750	490783	214	5	DTX2,POMZP3,UPK3B,FDPSP2,LOC100133091	CTR-0087	Ctrl	NO
7	76074968	76596892	521925	236	5	DTX2,POMZP3,UPK3B,FDPSP2,LOC100133091	CTR-0084; CTR-0086	Ctrl,Ctrl	NO
7	76108749	76607295	498547	237	4	DTX2,POMZP3,UPK3B,LOC100133091	CTR-0092	Ctrl	NO
7	76108749	76596892	488144	235	4	DTX2,POMZP3,UPK3B,LOC100133091	CTR-0089; CTR-0090	Ctrl,Ctrl	NO
7	76108749	76601573	492825	236	4	DTX2,POMZP3,UPK3B,LOC100133091	CTR-0088; CTR-0091; CTR-0093	Ctrl,Ctrl,Ctrl	NO
7	76135718	76601573	465856	235	4	POMZP3,UPK3B,LOC100133091,DTX2	CTR-0094	Ctrl	NO
7	76135718	76596892	461175	234	4	POMZP3,UPK3B,LOC100133091,DTX2	CTR-0095	Ctrl	NO
7	76143625	76607295	463671	231	3	POMZP3,UPK3B,LOC100133091	CTR-0096	Ctrl	NO
7	76143625	76601573	457949	230	3	POMZP3,UPK3B,LOC100133091	CTR-0097	Ctrl	NO
7	76153336	76601573	448238	225	3	POMZP3,LOC100133091,UPK3B	CTR-0098; CTR-0099	Ctrl,Ctrl	NO

7	76156529	76601573	445045	223	3	POMZP3,LOC100133091,UPK3B	CTR-0100	Ctrl	NO
7	76197418	76601573	404156	221	2	POMZP3,LOC100133091	CTR-0101	Ctrl	NO
7	102288510	102763204	474695	205	8	ARMC10,FAM185A,FBXL13,LRRC17,NAPEPLD,POLR2J2,SPDYE2,SPDYEB	CTR-0102	Ctrl	NO
7	110317244	110966237	648994	421	2	IMMP2L,LRRN3	EC-JME658	GGE	NO
7	110647683	111169227	521545	339	2	IMMP2L,LRRN3	EC-JME209	GGE	NO
7	110687160	111181317	494158	321	2	IMMP2L,LRRN3	CTR-0103; CTR-0104	Ctrl,Ctrl	NO
7	110932158	111336737	404580	232	1	IMMP2L	CTR-0105	Ctrl	NO
7	111048579	111927237	878659	564	4	DOCK4,IMMP2L,ZNF277,DOCK4-AS1	EC-CAE273	GGE	NO
7	118237641	122401983	4164343	2365	13	AASS,CADPS2,CPED1,FAM3C,FEZF1,ING3,KCND2,PTPRZ1,RNF133,RNF148,TSPAN12,WNT16,FEZF1-AS1	CTR-0106	Ctrl	NO
7	124586130	126665734	2079605	1364	4	GRM8,LOC101928254,LOC101928283,POT1-AS1	EC-JME461	GGE	NO
7	124963783	125809910	846128	572	1	LOC101928283	CTR-0107	Ctrl	NO
7	124977736	125816381	838646	162	1	LOC101928283	6015617151_ R06C01	Ctrl	NO
7	125334614	125856601	521988	372	0		EC-EGMA091	GGE	NO
7	125336194	125853905	517712	370	0		CTR-0108	Ctrl	NO
7	143223069	143873940	650872	353	14	CTAGE15,CTAGE6,OR2A12,OR2A14,OR2A2,OR2A25,OR2A5,OR2F1,OR2F2,OR6B1,TCAF1,TCAF2,LOC154761,TCAF2P1	EC-CAE158	GGE	NO
7	144971709	147725495	2753787	608	5	CNTNAP2,LOC101928700,MIR548F4,MIR548I4,MIR548T	5913280048_ R03C02	Ctrl	NO
8	2996150	4041820	1045671	1447	1	CSMD1	CTR-0109	Ctrl	NO
8	3848750	4555177	706428	1136	1	CSMD1	CTR-0110	Ctrl	NO
8	5110018	6176137	1066120	1459	0		CTR-0111	Ctrl	NO
8	7170477	8055248	884772	201	28	DEFB103A,DEFB103B,DEFB104A,DEFB104B,DEFB105A,DEFB105B,DEFB106A,DEFB106B,DEFB107A,DEFB107B,DEFB4A,DEFB4B,PRR23D1,PRR23D2,SPAG11A,SPAG11B,USP17L1,USP17L3,USP17L4,USP17L8,ZNF705B,ZNF705G,DEFB109P1B,FAM66B,FAM66E,FAM90A10P,FAM90A7P,MIR548I3	CTR-0112	Ctrl	NO
8	63287851	63937632	649782	455	3	GGH,NKAIN3,UGO898H09	CTR-0113	Ctrl	NO
8	70931383	71738054	806672	134	7	LACTB2,NCOA2,PRDM14,TRAM1,XKR9,LACTB2-AS1,LOC101926892	E318	RE	NO
8	82517136	85021548	2504413	449	6	CHMP4C,IMPA1,SLC10A5,SNX16,ZFAND1,LINC01419	EPW_1018_1	RE	NO
8	99979097	100538070	558974	266	1	VPS13B	EC-EGTCS130	GGE	NO
8	140894951	141367540	472590	348	1	TRAPPC9	CTR-0114	Ctrl	NO
8	142563566	143798641	1235076	625	11	ADGRB1,ARC,JRK,LY6K,PSCA,TSNARE1,LINC00051,LOC100288181,MIR1302-7,MIR4472-1,MIR4539	EC-JME417	GGE	NO
8	142850077	143549806	699730	384	6	ADGRB1,TSNARE1,LINC00051,MIR1302-7,MIR4472-1,MIR4539	EC-JAE119	GGE	NO
9	11201888	11958106	756219	564	0		CTR-0115	Ctrl	NO
9	11967856	12379463	411608	348	0		CTR-0116	Ctrl	NO
9	11975273	12379463	404191	346	0		EC-EGMA080	GGE	NO
9	28400550	28895878	495329	154	3	MIR873,MIR876,LINGO2	6015617074_ R03C02	Ctrl	NO
9	30138908	31102874	963967	184	1	LINC01242	5913280020_ R04C01	Ctrl	NO
9	31156012	31562541	406530	254	0		CTR-0117	Ctrl	NO
9	31172350	32240391	1068042	779	0		CTR-0118	Ctrl	NO
9	76601085	77182821	581737	349	4	RORB,LOC101927358,MIR6130,RORB-AS1	EC-CAE300	GGE	NO
9	87715350	88196203	480854	383	1	AGTPBP1	CTR-0119	Ctrl	NO
9	107856028	108535272	679245	133	5	FKTN,FSD1L,SLC44A1,TAL2,TMEM38B	tle-463	AFE	NO
10	19073973	19605298	531326	168	1	MALRD1	EP610	AFE	NO
10	19415575	19827284	411710	354	1	MALRD1	CTR-0120	Ctrl	NO
10	19415575	19832047	416473	357	1	MALRD1	CTR-0121	Ctrl	NO
10	19422562	19837622	415061	356	1	MALRD1	CTR-0122	Ctrl	NO
10	27836576	28429513	592938	403	4	ARMC4,MKX,MPP7,MKX-AS1	EC-JME005	GGE	NO
10	46247355	51989169	5741815	2103	60	AGAP4,AGAP6,AGAP9,ANTXRL,ANXA8,ANXA8L1,ARHGAP22,ASAH2,C10orf128,C10orf53,C10orf71,CHAT,DRGX,ERCC6,ERCC6-PGBD3,FAM170B,FAM21A,FAM21C,FAM25C,FAM25G,FRMPD2,GDF10,GDF2,GPRIN2,LOC100996758,LRRC18,MAPK8,MSMB,NCOA4,NPY4R,OGDHL,PARG,PGBD3,PTPN20,RBP3,SLC18A3,SYT15,TIMM23,TIMM23B,VSTM4,WDFY4,ZNF488,AGAP7P,ANTXRLP1,BMS1P5,BMS1P6,C10orf71-AS1,CTGLF12P,CTSLP2,FAM170B-AS1,FAM21EP,FAM25BP,FAM35BP,FAM35DP,FRMPD2B,GLUD1P7,HNRNPA1P33,LINC00842,MIR4294,PARGP1	CTR-0123	Ctrl	NO
10	46674168	48117191	1443024	361	18	AGAP9,ANTXRL,ANXA8,ANXA8L1,FAM25C,FAM25G,GPRIN2,LOC100996758,NPY4R,SYT15,ANTXRLP1,BMS1P5,BMS1P6,FAM25BP,FAM35BP,FAM35DP,HNRNPA1P33,LINC00842	CTR-0124	Ctrl	NO
10	46674168	47739252	1065085	353	16	AGAP9,ANTXRL,ANXA8,FAM25C,FAM25G,GPRIN2,LOC100996758,NPY4R,SYT15,ANTXRLP1,BMS1P5,BMS1P6,FAM35BP,FAM35DP,HNRNPA1P33,LINC00842	CTR-0125	Ctrl	NO

10	46674168	47650951	976784	252	15	AGAP9,ANXA8,FAM25C,FAM25G,GPRIN2,LOC100996758,NPY4R,SYT15,ANTXRPL1,BMS1P5,BMS1P6,FAM35BP,FAM35DP,HNRNPA1P33,LINC00842	CTR-0126	Ctrl	NO
10	46961233	47704625	743393	334	14	AGAP9,ANTXR,ANXA8,FAM25C,FAM25G,GPRIN2,LOC100996758,NPY4R,SYT15,ANTXRPL1,BMS1P6,FAM35DP,HNRNPA1P33,LINC00842	CTR-0127; CTR-0128	Ctrl,Ctrl	NO
10	47058780	47743504	684725	281	13	AGAP9,ANTXR,ANXA8,FAM25C,FAM25G,LOC100996758,NPY4R,ANTXRPL1,BMS1P6,FAM25BP,FAM35DP,HNRNPA1P33,LINC00842	CTR-0129	Ctrl	NO
10	48300421	51797239	3496819	748	34	GDF10,GDF2,PTPN20,RBP3,ZNF488,AGAP6,ARHGAP22,C10orf128,C10orf53,C10orf71,CHAT,DRGX,ERCC6,ERCC6-PGBD3,FAM170B,FRMPD2,LRRC18,MAPK8,MSMB,NCOA4,OGDHL,PARG,PGBD3,SLC18A3,TIMM23,TIMM23B,VSTM4,WDFY4,AGAP7P,C10orf71-AS1,FAM170B-AS1,FAM21EP,MIR4294,PARGP1	6182351063_R05C01	Ctrl	NO
10	54731281	57273977	2542697	1869	1	PCDH15	CTR-0130	Ctrl	NO
10	55355543	57237203	1881661	592	1	PCDH15	6015617090_R02C01	Ctrl	NO
10	56547551	57191812	644262	180	1	PCDH15	6159645003_R02C01	Ctrl	NO
10	57143622	57647581	503960	107	1	MTRNR2L5	IT-FI-20	AFE	NO
10	68080799	68510589	429791	319	1	CTNNA3	CTR-0131	Ctrl	NO
10	91568555	92036154	467600	323	2	LINC00865,LINC01375	CTR-0132	Ctrl	NO
11	4167416	5262622	1095207	1007	32	C11orf40,HBB,HBD,MMP26,OR51A2,OR51A4,OR51A7,OR51D1,OR51E1,OR51E2,OR51F1,OR51F2,OR51G1,OR51G2,OR51L1,OR51S1,OR51T1,OR51V1,OR52A1,OR52A5,OR52B4,OR52E2,OR52I1,OR52I2,OR52J3,OR52K1,OR52K2,OR52M1,OR52R1,TRIM21,TRIM68,LOC100506082	EC-JME054	GGE	NO
11	24589391	25945339	1355949	1044	1	LUZP2	CTR-0133	Ctrl	NO
11	24970298	25501327	531030	415	1	LUZP2	EC-JME120	GGE	NO
11	24986207	25496342	510136	404	1	LUZP2	EC-JAE034	GGE	NO
11	54976192	55382738	406547	217	7	OR4A15,OR4A16,OR4C11,OR4C15,OR4C16,TRIM48,TRIM51HP	CTR-0134	Ctrl	NO
11	92792884	93216751	423867	113	3	CCDC67,SLC36A4,SMCO4	6015617125_R02C02	Ctrl	NO
11	92941753	98361581	5419829	3763	44	AMOTL1,ANKRD49,C11orf54,C11orf97,CCDC67,CCDC82,CEP295,CEP57,CWC15,ENDOD1,FAM76B,FUT4,GPR83,HEPPL1,IZUMO1R,JRKL,KDM4D,KDM4E,MAML2,MED17,MRE11A,MTMR2,PANX1,PIWIL4,SESN3,SMCO4,SRSF8,TAF1D,VSTM5,JRKL-AS1,LOC100129203,LOC101929295,MIR1260B,MIR1304,MIR548L,SCARNA9,SNORA1,SNORA18,SNORA25,SNORA32,SNORA40,SNORA8,SNORD5,SNORD6	CTR-0135	Ctrl	NO
12	21007718	21411854	404137	278	3	SLCO1B1,SLCO1B3,SLCO1B7	EP780;ROL_016_1	AFE;RE	NO
12	21007732	21410089	402358	260	3	SLCO1B1,SLCO1B3,SLCO1B7	EC-JAE022;CTR-0137	GGE,Ctrl	NO
12	21007732	21415635	407904	261	3	SLCO1B1,SLCO1B3,SLCO1B7	CTR-0136	Ctrl	NO
12	42072698	42483435	410738	121	1	GXYLT1	5970196033_R06C02	Ctrl	NO
12	59624435	61911057	2286623	1343	1	SLC16A7	CTR-0138	Ctrl	NO
12	59647541	61907022	2259482	389	1	SLC16A7	5970153030_R06C01	Ctrl	NO
12	72135173	73995884	1860712	1101	7	RAB21,TBC1D15,TPH2,TRHDE,LOC101928137,MRS2P2,TRHDE-AS1	EC-JME425	GGE	NO
12	73111962	73586933	474972	298	1	LOC101928137	EC-CAE320	GGE	NO
13	23079905	23657518	577614	232	1	BASP1P1	IT-AR-28	AFE	NO
13	23519918	24928441	1408524	1172	13	C1QTNF9,C1QTNF9B,C1QTNF9B-AS1,MIPPEP,SACS,SGCG,SPATA13,TNFRSF19,ANKRD20A19P,LINC00327,MIR2276,SACS-AS1,SPATA13-AS1	CTR-0139	Ctrl	NO
13	23545597	24963661	1418065	1184	13	C1QTNF9,C1QTNF9B,C1QTNF9B-AS1,MIPPEP,SACS,SGCG,SPATA13,TNFRSF19,ANKRD20A19P,LINC00327,MIR2276,SACS-AS1,SPATA13-AS1	CTR-0140	Ctrl	NO
13	23604147	24968813	1364667	1136	13	C1QTNF9,C1QTNF9B,C1QTNF9B-AS1,MIPPEP,SACS,SGCG,SPATA13,TNFRSF19,ANKRD20A19P,LINC00327,MIR2276,SACS-AS1,SPATA13-AS1	CTR-0141	Ctrl	NO
13	23629198	24969682	1340485	1103	13	C1QTNF9,C1QTNF9B,C1QTNF9B-AS1,MIPPEP,SACS,SGCG,SPATA13,TNFRSF19,ANKRD20A19P,LINC00327,MIR2276,SACS-AS1,SPATA13-AS1	CTR-0142	Ctrl	NO
13	40677763	41218756	540994	447	4	FOXO1,LINC00332,LINC00548,LINC00598	CTR-0143	Ctrl	NO
13	44678576	47194685	2516110	1559	33	COG3,CPB2,ERICH6B,GPALPP1,GTF2F2,KCTD4,KIAA0226L,LCP1,LRC H1,LRRC63,NUFIP1,SERP2,SLC25A30,SMIM2,SPERT,TPT1,TSC22D1,ZC3H13,CPB2-AS1,LINC00330,LINC00563,LINC01055,LINC01198,LOC101929259,MIR8079,SLC25A30-AS1,SMIM2-AS1,SMIM2-IT1,SNORA31,TPT1-AS1,TSC22D1-AS1,TUSC8	CTR-0144	Ctrl	NO

13	48646280	51676662	3030383	1680	36	ARL11,CAB39L,CDADC1,CYSLTR2,DLEU7,EBPL,FNDC3A,ITM2B,KCNR G,KPNA3,LPAR6,MED4,MLNR,PHF11,RB1,RCBTB1,RCBTB2,RNASEH2 B,SETDB2,SPRYD7,TRIM13,CTAGE10P,DLEU1,DLEU1- AS1,DLEU2,DLEU7- AS1,GUCY1B2,LINC00371,LINC00441,LINC00462,MED4- AS1,MIR15A,MIR16-1,MIR3613,RNASEH2B-AS1,ST13P4 CYSLTR2,LINC00462,FNDC3A,KCNRG,SPRYD7,TRIM13,CTAGE10P,DL EU1,DLEU1-AS1,DLEU2,MIR15A,MIR16-1,MIR3613,ST13P4	CTR-0143	Ctrl	NO
13	49154165	51173240	2019076	311	14	DLEU7,DLEU1,DLEU1-AS1,DLEU2,MIR15A,MIR16-1,ST13P4,KCNRG	6015617086_ R02C02	Ctrl	NO
13	50594729	51287814	693086	391	8	PRR20A,PRR20B,PRR20C,PRR20D,PRR20E	CTR-0146	Ctrl	NO
13	56803353	57828080	1024728	495	5	LINC00395,LOC102723968,OR7E156P	CTR-0147	Ctrl	NO
13	63959044	64467882	508839	305	3		CTR-0148	Ctrl	NO
13	65781201	66223237	442037	239	0		EC-CAE079	GGE	NO
13	65806192	66219510	413319	225	0		EC-JME472	GGE	NO
13	85830257	86469014	638758	159	2	SLITRK6,LINC00351	IT-VI-59	AFE	NO
13	94445415	94904461	459047	127	3	GPC6,GPC6-AS1,GPC6-AS2	IT-AR-33	AFE	NO
13	103747360	104149067	401708	355	2	LINC01309,MIR548AS	EC-JAE178	GGE	NO
13	103914406	104434701	520296	204	2	LINC01309,MIR548AS	6015617101_ R03C01	Ctrl	NO
14	19844095	21165479	1321385	689	41	ANG,APEX1,CCNB1IP1,KLHL33,OR11G2,OR11H2,OR11H4,OR11H6,O R4K1,OR4K13,OR4K14,OR4K15,OR4K17,OR4K2,OR4K5,OR4L1,OR4 M1,OR4N2,OR4N5,OR4Q3,OR6S1,OSGEP,PARP2,PNP,POTEM,RNAS E10,RNASE11,RNASE12,RNASE9,TEP1,TMEM55B,TTC5,BMS1P17,B MS1P18,DUXAP10,LINC01296,LOC100508046,LOC254028,RPPH1,S NORD126,RNASE4	CTR-0149	Ctrl	NO
14	40232226	40906944	674719	405	0		CTR-0088	Ctrl	NO
14	54629941	56027815	1397875	371	15	ATG14,CDKN3,CGRRF1,CNIH1,DLGAP5,FBXO34,GCH1,GMFB,LGALS3 ,MAPK1IP1L,SAMD4A,SOCS4,TLPL2,WDHD1,MIR4308	ROL_048_1	RE	NO
14	82231575	82845119	613545	384	0		CTR-0173	Ctrl	NO
14	84861047	85706663	845617	528	0		CTR-0152	Ctrl	NO
14	87964498	88400253	435756	261	1	GALC	CTR-0153	Ctrl	NO
14	87964498	88398407	433910	260	1	GALC	CTR-0154	Ctrl	NO
15	20216943	23487534	3270592	646	41	CYFIP1,GOLGA6L1,GOLGA6L22,GOLGA6L6,NIPA1,NIPA2,OR4M2,OR 4N4,POTEB,POTEB2,POTEB3,TUBGCP5,CHEK2P2,CXADRP2,GOLGA8 CP,GOLGA8DP,GOLGA8EP,GOLGA8IP,HERC2P2,HERC2P3,HERC2P7,L INC01193,LOC101927079,LOC283683,LOC646214,LOC727924,MIR1 268A,MIR3118-2,MIR3118-3,MIR3118-4,MIR4509-1,MIR4509- 2,MIR4509-3,MIR5701-1,MIR5701-2,MIR5701- 3,NBEAP1,NF1P2,OR4N3P,REREP3,WHAMMP3 CYFIP1,GOLGA6L1,GOLGA6L22,GOLGA6L6,NIPA1,NIPA2,OR4M2,OR 4N4,POTEB,POTEB2,POTEB3,TUBGCP5,CHEK2P2,CXADRP2,GOLGA8 CP,GOLGA8DP,GOLGA8EP,GOLGA8IP,HERC2P2,HERC2P3,HERC2P7,L INC01193,LOC101927079,LOC283683,LOC646214,LOC727924,MIR1 268A,MIR3118-2,MIR3118-3,MIR3118-4,MIR4509-1,MIR4509- 2,MIR4509-3,MIR5701-1,MIR5701-2,MIR5701- 3,NBEAP1,NF1P2,OR4N3P,REREP3,WHAMMP3 CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,POTEB ,POTEB2,POTEB3,TUBGCP5,CXADRP2,GOLGA8DP,GOLGA8EP,GOLG A8IP,HERC2P2,HERC2P7,LOC101927079,LOC283683,LOC646214,LO C727924,MIR1268A,MIR3118-2,MIR3118-3,MIR3118-4,MIR4509- 1,MIR4509-2,MIR4509-3,MIR5701-1,MIR5701-2,MIR5701- 3,NF1P2,OR4N3P,REREP3,WHAMMP3 CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,TUBGC P5,GOLGA8DP,LOC101927079,LOC283683,LOC727924,MIR1268A, MIR4509-1,MIR4509-2,MIR4509-3,OR4N3P,REREP3,WHAMMP3	CTR-0155	Ctrl	YES
15	20284054	23487534	3203481	643	41	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,POTEB ,POTEB2,POTEB3,TUBGCP5,CXADRP2,GOLGA8DP,GOLGA8EP,GOLG A8IP,HERC2P2,HERC2P7,LOC101927079,LOC283683,LOC646214,LO C727924,MIR1268A,MIR3118-2,MIR3118-3,MIR3118-4,MIR4509- 1,MIR4509-2,MIR4509-3,MIR5701-1,MIR5701-2,MIR5701- 3,NF1P2,OR4N3P,REREP3,WHAMMP3 CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,TUBGC P5,GOLGA8DP,LOC101927079,LOC283683,LOC727924,MIR1268A, MIR4509-1,MIR4509-2,MIR4509-3,OR4N3P,REREP3,WHAMMP3	CTR-0156	Ctrl	YES
15	21098527	23417273	2318747	478	35	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,POTEB ,POTEB2,POTEB3,TUBGCP5,CXADRP2,GOLGA8DP,GOLGA8EP,GOLG A8IP,HERC2P2,HERC2P7,LOC101927079,LOC283683,LOC646214,LO C727924,MIR1268A,MIR3118-2,MIR3118-3,MIR3118-4,MIR4509- 1,MIR4509-2,MIR4509-3,MIR5701-1,MIR5701-2,MIR5701- 3,NF1P2,OR4N3P,REREP3,WHAMMP3 CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,TUBGC P5,GOLGA8DP,LOC101927079,LOC283683,LOC727924,MIR1268A, MIR4509-1,MIR4509-2,MIR4509-3,OR4N3P,REREP3,WHAMMP3	EC-CAE084	GGE	YES
15	21271038	23487534	2216497	442	35	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,TUBGC P5,GOLGA8DP,LOC101927079,LOC283683,LOC727924,MIR1268A, MIR4509-1,MIR4509-2,MIR4509-3,OR4N3P,REREP3,WHAMMP3	CTR-0157	Ctrl	YES
15	22280465	23226468	946004	399	19	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,TUBGC P5,GOLGA8DP,LOC101927079,LOC283683,LOC727924,MIR1268A, MIR4509-1,MIR4509-2,MIR4509-3,OR4N3P,REREP3,WHAMMP3	EC-JME338	GGE	YES
15	22280465	23300761	1020297	406	21	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,TUBGC P5,GOLGA8DP,GOLGA8IP,HERC2P2,LOC101927079,LOC283683,LOC 727924,MIR1268A,MIR4509-1,MIR4509-2,MIR4509- 3,OR4N3P,REREP3,WHAMMP3	EC-JME461	GGE	YES
15	22280465	23459190	1178726	409	23	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,TUBGC P5,GOLGA8DP,GOLGA8EP,GOLGA8IP,HERC2P2,HERC2P7,LOC10192 7079,LOC283683,LOC727924,MIR1268A,MIR4509-1,MIR4509- 2,MIR4509-3,OR4N3P,REREP3,WHAMMP3	CTR-0158	Ctrl	YES
15	22317500	23237164	919665	395	19	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,OR4M2,OR4N4,TUBGC P5,GOLGA8DP,LOC101927079,LOC283683,LOC727924,MIR1268A, MIR4509-1,MIR4509-2,MIR4509-3,OR4N3P,REREP3,WHAMMP3	EC-JME404	GGE	YES

15	22522798	23226468	703671	310	13	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,LOC283683,MIR4509-1,MIR4509-2,MIR4509-3,REREP3,WHAMMP3	EC-CAE382	GGE	YES
15	22586948	23226468	639521	287	12	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,LOC283683,MIR4509-1,MIR4509-2,MIR4509-3,WHAMMP3	CTR-0159	Ctrl	YES
15	22587462	23300761	713300	293	14	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,GOLGA8IP,HERC2P2,LOC283683,MIR4509-1,MIR4509-2,MIR4509-3,WHAMMP3	EC-JME265	GGE	YES
15	22673387	23389101	715715	292	14	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,GOLGA8IP,HERC2P2,LOC283683,MIR4509-1,MIR4509-2,MIR4509-3,WHAMMP3	EC-JME145	GGE	YES
15	22673387	23226468	553082	284	12	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,LOC283683,MIR4509-1,MIR4509-2,MIR4509-3,WHAMMP3	EC-JME384	GGE	YES
15	22673387	23487534	814148	297	16	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,GOLGA8EP,GOLGA8IP,HERC2P2,HERC2P7,LOC283683,MIR4509-1,MIR4509-2,MIR4509-3,WHAMMP3	EC-JME426	GGE	YES
15	22673387	23459190	785804	294	16	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,GOLGA8EP,GOLGA8IP,HERC2P2,HERC2P7,LOC283683,MIR4509-1,MIR4509-2,MIR4509-3,WHAMMP3	EC-EGTCS006; CTR-0162; CTR-0165	GGE, Ctrl, Ctrl	YES
15	22673387	23300761	627375	291	14	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,GOLGA8IP,HERC2P2,LOC283683,MIR4509-1,MIR4509-2,MIR4509-3,WHAMMP3	EC-JAE135; CTR-0161; CTR-0163; CTR-0164	GGE, Ctrl, Ctrl	YES
15	22673387	23248421	575035	288	12	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,LOC283683,MIR4509-1,MIR4509-2,MIR4509-3,WHAMMP3	CTR-0160	Ctrl	YES
15	22673387	23094223	420837	259	10	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,MIR4509-1,MIR4509-2,MIR4509-3	CTR-0166	Ctrl	YES
15	22681064	23300761	619698	290	11	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,GOLGA8IP,HERC2P2,LOC283683,WHAMMP3	EC-CAE325; CTR-0167	GGE, Ctrl	YES
15	22681064	23389101	708038	291	11	CYFIP1,GOLGA6L1,GOLGA6L22,NIPA1,NIPA2,TUBGCP5,GOLGA8DP,GOLGA8IP,HERC2P2,LOC283683,WHAMMP3	CTR-0168	Ctrl	YES
15	22750305	23226254	475950	113	6	CYFIP1,NIPA1,NIPA2,TUBGCP5,LOC283683,WHAMMP3	L1921;88_4	AFE;RE	YES
15	22777605	23300761	523157	267	8	CYFIP1,NIPA1,NIPA2,TUBGCP5,GOLGA8IP,HERC2P2,LOC283683,WHAMMP3	EC-JAE003	GGE	YES
15	28942693	32799815	3857123	1959	31	APBA2,ARHGAP11B,HRFAM7A,CHRNA7,FAM189A1,FAN1,GOLGA8H,GOLGA8J,GOLGA8K,GOLGA8M,GOLGA8O,GOLGA8R,KLF13,LOC283710,MTMR10,NDNL2,OTUD7A,TJP1,TRPM1,DKFZP434L187,GOLGA6L7P,GOLGA8T,HERC2P10,LOC100288637,LOC100289656,MIR211,PD6IP2,ULK4P1,ULK4P2,ULK4P3,WHAMMP2	EC-CAE061	GGE	YES
15	28953484	30501879	1548396	821	13	APBA2,FAM189A1,GOLGA8J,GOLGA8M,NDNL2,TJP1,DKFZP434L187,GOLGA6L7P,GOLGA8T,LOC100289656,PD6IP2,ULK4P3,WHAMMP2	CTR-0169	Ctrl	NO
15	28962131	32514341	3552211	734	28	APBA2,ARHGAP11B,HRFAM7A,CHRNA7,FAM189A1,FAN1,GOLGA8H,GOLGA8J,GOLGA8R,KLF13,LOC283710,MTMR10,NDNL2,OTUD7A,TJP1,TRPM1,DKFZP434L187,GOLGA6L7P,GOLGA8T,HERC2P10,LOC100288637,LOC100289656,MIR211,PD6IP2,ULK4P1,ULK4P2,ULK4P3,WHAMMP2	ROL_046_1	RE	YES
15	28962131	30606491	1644361	856	12	APBA2,FAM189A1,GOLGA8J,NDNL2,TJP1,DKFZP434L187,GOLGA6L7P,GOLGA8T,LOC100289656,PD6IP2,ULK4P3,WHAMMP2	CTR-0170	Ctrl	NO
15	28962131	30370019	1407889	807	8	APBA2,FAM189A1,NDNL2,TJP1,GOLGA6L7P,LOC100289656,PD6IP2,WHAMMP2	CTR-0171	Ctrl	NO
15	30386399	32857400	2471002	1154	24	ARHGAP11B,HRFAM7A,CHRNA7,FAN1,GOLGA8H,GOLGA8K,GOLGA8O,GOLGA8R,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,DKFZP434L187,GOLGA8T,HERC2P10,LOC100288637,LOC100996255,MIR211,ULK4P1,ULK4P2,ULK4P3,WHAMMP1,GOLGA8J	EC-JME537	GGE	YES
15	30444264	32827524	2383261	1151	21	ARHGAP11B,HRFAM7A,CHRNA7,FAN1,GOLGA8H,GOLGA8K,GOLGA8O,GOLGA8R,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,DKFZP434L187,HERC2P10,LOC100288637,MIR211,ULK4P1,ULK4P2,ULK4P3,WHAMMP1	EC-JAE037	GGE	YES
15	30730691	32566499	1835809	1060	14	ARHGAP11B,CHRNA7,FAN1,GOLGA8H,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,HERC2P10,LOC100288637,MIR211,ULK4P1,ULK4P2	EC-CAE047	GGE	YES
15	30730691	32843110	2112420	1086	19	ARHGAP11B,CHRNA7,FAN1,GOLGA8H,GOLGA8K,GOLGA8O,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,HERC2P10,LOC100288637,LOC100996255,MIR211,ULK4P1,ULK4P2,ULK4P3,WHAMMP1	EC-JAE069	GGE	YES
15	30730691	32799815	2069125	1081	17	ARHGAP11B,CHRNA7,FAN1,GOLGA8H,GOLGA8K,GOLGA8O,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,HERC2P10,LOC100288637,MIR211,ULK4P1,ULK4P2,ULK4P3	EC-JME106	GGE	YES
15	30807930	32539525	1731596	1039	14	ARHGAP11B,CHRNA7,FAN1,GOLGA8H,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,HERC2P10,LOC100288637,MIR211,ULK4P1,ULK4P2	EC-JAE134	GGE	YES

15	30900866	32512208	1611343	1035	12	ARHGAP11B,CHRNA7,FAN1,GOLGA8H,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,HERC2P10,LOC100288637,MIR211	EC-JAE168	GGE	YES
15	30920612	32796323	1875712	1059	16	ARHGAP11B,CHRNA7,FAN1,GOLGA8K,GOLGA8O,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,HERC2P10,LOC100288637,MIR211,ULK4P1,ULK4P2,ULK4P3	EC-CAE205	GGE	YES
15	30920612	32512208	1591597	1034	11	ARHGAP11B,CHRNA7,FAN1,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,HERC2P10,LOC100288637,MIR211	EC-CAE368	GGE	YES
15	30920612	32539525	1618914	1035	11	ARHGAP11B,CHRNA7,FAN1,KLF13,LOC283710,MTMR10,OTUD7A,TRPM1,HERC2P10,LOC100288637,MIR211	EC-JME431	GGE	YES
15	84915113	85726714	811602	407	16	ALPK3,NMB,PDE8A,SEC11A,SLC28A1,WDR73,ZNF592,ZSCAN2,DNM1P41,GOLGA6L5P,LINC00933,LOC102724034,LOC103171574,SCAND2P,UBE2Q2P1,GOLGA6L4	EC-JME642	GGE	NO
16	5615773	6512138	896366	1056	3	LINC01570,MIR8065,RBFOX1	EC-CAE286	GGE	NO
16	6053808	6792188	738381	463	1	RBFOX1	IT-FI-3	AFE	NO
16	6766068	7270582	504515	293	1	RBFOX1	IT-PR-6	AFE	NO
16	14780642	16628050	1847409	649	48	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,NOMO1,NOMO3,NPIPA1,NPIPA2,NPIPA3,NPIPA5,NPIPA7,NPIPA8,NTAN1,PDXDC1,PLA2G10,RRN3,ABCC6P2,LOC100288162,LOC100505915,MIR3179-1,MIR3179-2,MIR3179-3,MIR3179-4,MIR3180-1,MIR3180-2,MIR3180-3,MIR3180-4,MIR3670-1,MIR3670-2,MIR3670-3,MIR3670-4,MIR484,MIR6506,MIR6511A1,MIR6511A2,MIR6511A3,MIR6511A4,MIR6511B1,MIR6511B2,MIR6770-1,MIR6770-2,MIR6770-3,PKD1P1,PKD1P6	EC-CAE026	GGE	YES
16	14835055	16340428	1505374	643	44	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,NOMO1,NOMO3,NPIPA1,NPIPA2,NPIPA3,NPIPA5,NTAN1,PDXDC1,RRN3,ABCC6P2,LOC100288162,LOC100505915,MIR3179-1,MIR3179-2,MIR3179-3,MIR3179-4,MIR3180-1,MIR3180-2,MIR3180-3,MIR3180-4,MIR3670-1,MIR3670-2,MIR3670-3,MIR3670-4,MIR484,MIR6506,MIR6511A1,MIR6511A2,MIR6511A3,MIR6511A4,MIR6511B1,MIR6511B2,MIR6770-1,MIR6770-2,MIR6770-3,PKD1P6	EC-CAE433	GGE	YES
16	14939328	16377650	1438323	640	41	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,NOMO1,NOMO3,NPIPA1,NPIPA5,NTAN1,PDXDC1,RRN3,LOC100288162,LOC100505915,MIR3179-1,MIR3179-2,MIR3179-3,MIR3179-4,MIR3180-1,MIR3180-2,MIR3180-3,MIR3180-4,MIR3670-1,MIR3670-2,MIR3670-3,MIR3670-4,MIR484,MIR6506,MIR6511A1,MIR6511A2,MIR6511A3,MIR6511A4,MIR6511B1,MIR6511B2,MIR6770-1,MIR6770-2,MIR6770-3,PKD1P6	EC-EGTCS053	GGE	YES
16	14968859	16303388	1334530	424	40	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,NOMO1,NPIPA1,NPIPA5,NTAN1,PDXDC1,RRN3,LOC100288162,LOC100505915,MIR3179-1,MIR3179-2,MIR3179-3,MIR3179-4,MIR3180-1,MIR3180-2,MIR3180-3,MIR3180-4,MIR3670-1,MIR3670-2,MIR3670-3,MIR3670-4,MIR484,MIR6506,MIR6511A1,MIR6511A2,MIR6511A3,MIR6511A4,MIR6511B1,MIR6511B2,MIR6770-1,MIR6770-2,MIR6770-3,PKD1P6	6015596057_R04C02	Ctrl	YES
16	14971403	16377650	1406248	638	41	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,NOMO1,NOMO3,NPIPA1,NPIPA5,NTAN1,PDXDC1,RRN3,LOC100288162,LOC100505915,MIR3179-1,MIR3179-2,MIR3179-3,MIR3179-4,MIR3180-1,MIR3180-2,MIR3180-3,MIR3180-4,MIR3670-1,MIR3670-2,MIR3670-3,MIR3670-4,MIR484,MIR6506,MIR6511A1,MIR6511A2,MIR6511A3,MIR6511A4,MIR6511B1,MIR6511B2,MIR6770-1,MIR6770-2,MIR6770-3,PKD1P6	EC-CAE298	GGE	YES
16	14971403	16294706	1323304	632	40	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,NOMO1,NPIPA1,NPIPA5,NTAN1,PDXDC1,RRN3,LOC100288162,LOC100505915,MIR3179-1,MIR3179-2,MIR3179-3,MIR3179-4,MIR3180-1,MIR3180-2,MIR3180-3,MIR3180-4,MIR3670-1,MIR3670-2,MIR3670-3,MIR3670-4,MIR484,MIR6506,MIR6511A1,MIR6511A2,MIR6511A3,MIR6511A4,MIR6511B1,MIR6511B2,MIR6770-1,MIR6770-2,MIR6770-3,PKD1P6	EC-EGTCS114	GGE	YES
16	15053713	16377650	1323938	619	20	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,NOMO3,NPIPA5,NTAN1,PDXDC1,RRN3,LOC100505915,MIR3180-1,MIR484,MIR6506,MIR6511B1,MIR6511B2,PKD1P6	CTR-0172	Ctrl	YES

16	15054292	16635036	1580745	614	42	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,NOMO3,NPIPA5,NPIPA7,NPIPA8,NTAN1,PDXDC1,RRN3,LOC100288162,LOC100505915,MIR3179-1,MIR3179-2,MIR3179-3,MIR3179-4,MIR3180-1,MIR3180-2,MIR3180-3,MIR3180-4,MIR3670-1,MIR3670-2,MIR3670-3,MIR3670-4,MIR484,MIR6506,MIR6511A1,MIR6511A2,MIR6511A3,MIR6511A4,MIR6511B1,MIR6511B2,MIR6770-1,MIR6770-2,MIR6770-3,PKD1P1,PKD1P6	EC-IAE002	GGE	YES
16	15491127	18361376	2870250	1512	34	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,NOMO3,NPIPA7,NPIPA8,XYLT1,LOC100288162,MIR3179-1,MIR3179-2,MIR3179-3,MIR3179-4,MIR3180-1,MIR3180-2,MIR3180-3,MIR3670-1,MIR3670-2,MIR3670-3,MIR3670-4,MIR484,MIR6506,MIR6511A1,MIR6511A2,MIR6511A3,MIR6511A4,MIR6770-1,MIR6770-2,MIR6770-3,PKD1P1	CTR-0173	Ctrl	YES
16	15493046	18164698	2671653	751	11	ABCC1,ABCC6,C16orf45,FOPNL,KIAA0430,MPV17L,MYH11,NDE1,MIR484,MIR6506,XYLT1	6023713060_R02C02	Ctrl	NO
16	21807855	22442008	634154	254	9	C16orf52,CDR2,EEF2K,PDZD9,POLR3E,UQCRC2,VWA3A,RRN3P1,RRN3P3	EC-EGTCS156	GGE	YES
16	21807855	22587453	779599	258	12	C16orf52,CDR2,EEF2K,NPIP5,PDZD9,POLR3E,UQCRC2,VWA3A,LOC653786,RRN3P1,RRN3P3,SMG1P1	EC-JAE151	GGE	YES
16	21807855	22588038	780184	259	12	C16orf52,CDR2,EEF2K,NPIP5,PDZD9,POLR3E,UQCRC2,VWA3A,LOC653786,RRN3P1,RRN3P3,SMG1P1	CTR-0174	Ctrl	YES
16	21817448	22588038	770591	258	12	C16orf52,CDR2,EEF2K,NPIP5,PDZD9,POLR3E,UQCRC2,VWA3A,LOC653786,RRN3P1,RRN3P3,SMG1P1	EC-CAE162	GGE	YES
16	21949122	22558299	609178	245	11	C16orf52,CDR2,EEF2K,NPIP5,PDZD9,POLR3E,UQCRC2,VWA3A,LOC653786,RRN3P3,SMG1P1	CTR-0175	Ctrl	YES
16	29517699	30191895	674197	201	31	ALDOA,ASPHD1,C16orf54,C16orf92,CDIPT,DOC2A,FAM57B,GDPD3,HIRIP3,INO80E,KCTD13,KIF22,MAPK3,MAZ,MVP,PAGR1,PPP4C,PRRT2,QPRT,SEZ6L2,SPN,TAOK2,TBX6,TMEM219,YPEL3,ZG16,CDIPT-AS1,MIR3680-1,MIR3680-2,SLC7A5P1,SMG1P2	CTR-0176	Ctrl	YES
16	29580611	30306956	726346	203	45	ALDOA,ASPHD1,BOLA2,BOLA2B,C16orf54,C16orf92,CDIPT,CORO1A,DOC2A,FAM57B,GDPD3,HIRIP3,INO80E,KCTD13,KIF22,MAPK3,MAZ,MVP,PAGR1,PPP4C,PRRT2,QPRT,SEZ6L2,SLX1A,SLX1B,SPN,SULT1A3,SULT1A4,TAOK2,TBX6,TMEM219,YPEL3,ZG16,CDIPT-AS1,LOC388242,LOC606724,LOC613037,LOC613038,MIR3680-1,MIR3680-2,SLC7A5P1,SLX1A-SULT1A3,SLX1B-SULT1A4,SMG1P2,SMG1P5	EC-EGTCS063	GGE	YES
16	29595483	30198151	602669	116	31	ALDOA,ASPHD1,C16orf54,C16orf92,CDIPT,CORO1A,DOC2A,FAM57B,GDPD3,HIRIP3,INO80E,KCTD13,KIF22,MAPK3,MAZ,MVP,PAGR1,PPP4C,PRRT2,QPRT,SEZ6L2,SPN,TAOK2,TBX6,TMEM219,YPEL3,ZG16,CDIPT-AS1,MIR3680-1,MIR3680-2,SLC7A5P1	IT-MI-59	AFE	YES
16	61431493	62110146	678654	419	1	CDH8	CTR-0177	Ctrl	NO
16	78356662	78761364	404703	193	1	WVVOX	IT-BA-50	AFE	NO
16	86721765	87697382	975618	780	9	C16orf95,FBXO31,JPH3,MAP1LC3B,ZCCHC14,LOC101928682,LOC101928708,LOC101928737,LOC440390	CTR-0133	Ctrl	NO
17	14076657	15484859	1408203	1120	13	CDRT1,CDRT15,CDRT4,COX10,HS3ST3B1,PMP22,TEKT3,TVP23C,TVP23C-CDRT4,CDRT7,CDRT8,MGC12916,MIR4731	CTR-0179	Ctrl	NO
17	14085625	15473298	1387674	1114	13	CDRT1,CDRT15,CDRT4,COX10,HS3ST3B1,PMP22,TEKT3,TVP23C,TVP23C-CDRT4,CDRT7,CDRT8,MGC12916,MIR4731	CTR-0180	Ctrl	NO
17	14087919	15484859	1396941	1117	13	CDRT1,CDRT15,CDRT4,COX10,HS3ST3B1,PMP22,TEKT3,TVP23C,TVP23C-CDRT4,CDRT7,CDRT8,MGC12916,MIR4731	CTR-0181	Ctrl	NO
17	14094687	15484859	1390173	1115	13	CDRT1,CDRT15,CDRT4,COX10,HS3ST3B1,PMP22,TEKT3,TVP23C,TVP23C-CDRT4,CDRT7,CDRT8,MGC12916,MIR4731	CTR-0182	Ctrl	NO
17	14101028	15471179	1370152	655	13	CDRT15,CDRT4,COX10,HS3ST3B1,PMP22,TEKT3,TVP23C,TVP23C-CDRT4,CDRT7,CDRT8,MGC12916,MIR4731,CDRT1	tle-432	AFE	NO
17	21527046	22235650	708605	241	3	MTRNR2L1,FAM27L,FUJ36000	CTR-0183	Ctrl	NO
18	4046539	4556103	509565	424	2	DLGAP1-AS5,DLGAP1	CTR-0057	Ctrl	NO
18	13982898	14969710	986813	335	9	ANKRD30B,POTEC,ZNF519,ANKRD20A5P,CXADRP3,CYP4F35P,LINCO1443,LINCO1444,MIR3156-2	EC-CAE226	GGE	NO
18	30906697	31433575	526879	327	3	ASXL3,CCDC178,NOLA4	CTR-0185	Ctrl	NO
18	37912402	38709991	797590	603	0		CTR-0186	Ctrl	NO
18	39030815	39470402	439588	341	1	KC6	CTR-0187	Ctrl	NO
18	62649936	63179300	529365	319	0		EC-EGMA012	GGE	NO
18	65074573	66007597	933025	718	2	DSEL,LOC643542	CTR-0188	Ctrl	NO
18	69286241	71759517	2473277	1982	6	CBLN2,FBXO15,NETO1,LOC100505817,LOC102724913,LOC400655	CTR-0189	Ctrl	NO
19	23620873	24071154	450282	312	3	ZNF675,ZNF681,RPSAP58	EC-JME246; CTR-0190; CTR-0191	GGE, Ctrl	NO
19	23621430	24082569	461140	306	3	ZNF675,ZNF681,RPSAP58	CTR-0192	Ctrl	NO

19	37755719	38438505	682787	322	19	HKR1,WDR87,ZFP30,ZNF527,ZNF540,ZNF569,ZNF570,ZNF571,ZNF573,ZNF607,ZNF781,ZNF793,LINC01535,LOC100631378,LOC284412,LOC644554,ZNF571-AS1,ZNF793-AS1,SIPA1L3	CTR-0193	Ctrl	NO
19	43300194	43740953	440760	200	10	PSG1,PSG11,PSG2,PSG4,PSG5,PSG6,PSG7,LOC100289650,LOC284344,PSG10P	CTR-0194	Ctrl	NO
19	43321125	43786678	465554	213	11	PSG1,PSG11,PSG2,PSG4,PSG5,PSG6,PSG7,PSG9,LOC100289650,LOC284344,PSG10P	EC-EGTCS018	GGE	NO
19	43321125	43785717	464593	211	11	PSG1,PSG11,PSG2,PSG4,PSG5,PSG6,PSG7,PSG9,LOC100289650,LOC284344,PSG10P	EC-JME575	GGE	NO
19	43321125	43776500	455376	208	11	PSG1,PSG11,PSG2,PSG4,PSG5,PSG6,PSG7,PSG9,LOC100289650,LOC284344,PSG10P	CTR-0195	Ctrl	NO
19	43321125	43767249	446125	200	11	PSG1,PSG11,PSG2,PSG4,PSG5,PSG6,PSG7,PSG9,LOC100289650,LOC284344,PSG10P	CTR-0196	Ctrl	NO
19	43321125	43785898	464774	212	11	PSG1,PSG11,PSG2,PSG4,PSG5,PSG6,PSG7,PSG9,LOC100289650,LOC284344,PSG10P	CTR-0197	Ctrl	NO
19	43323314	43768182	444869	200	11	PSG1,PSG11,PSG2,PSG4,PSG5,PSG6,PSG7,PSG9,LOC100289650,LOC284344,PSG10P	CTR-0198	Ctrl	NO
20	8099277	8572225	472949	382	1	PLCB1	EC-CAE161	GGE	NO
20	14902412	15312347	409936	342	3	MACROD2,MACROD2-AS1	EC-EGTCS119	GGE	NO
20	32294584	33551100	1256517	181	22	ACSS2,AHCY,ASIP,CHMP4B,DYNLRB1,EIF2S2,GGT7,GSS,ITCH,MAP1L3A,NCOA6,PIGU,PXMP4,RALY,TP53INP2,ZNF341,HMGB3P1,MIR4755,MIR644A,RALY-AS1,ZNF341-AS1,MYH7B	6015617112_R06C01	Ctrl	NO
20	36070440	45740274	9669835	2393	79	BLCAP,BPI,CTNBL1,KIAA1755,LBP,NNAT,RPRD1B,TGM2,TTI1,VSTM2L,LINC00489,LOC100287792,LOC149684,ACTR5,ADIG,ARHGAP40,DHX35,FAM83D,MAFB,PLCG1,PPP1R16B,RALGAPB,SLC32A1,TOP1,ZHX3,LINC01370,LOC339568,MIR6871,PLCG1-AS1,CHD6,PTPRT,LOC101927159,ADA,C20orf62,FITM2,GDAP1L1,GTSL1,HNFA4A,JPB2,KCNK15,KCNS1,MATN4,OSER1,PABPC1L,PI3,PKIG,R3HDM1,RBPJL,RIMS4,SDC4,SEMG1,SEMG2,SERINC3,SLPI,STK4,TOX2,TPAL,WFDC12,WFDC5,WISP2,YWHAB,HNFA4A-AS1,LINC01260,LINC01430,MIR3646,OSER1-AS1,STK4-AS1,ELMO2,EYA2,OCSTAMP,SLC13A3,SLC2A10,SLC35C2,TP53RK,ZNF334,MKRN7P,ZNF663P,CDH22	6015617112_R06C01	Ctrl	NO
21	14414125	15142378	728254	229	7	POTED,ANKRD30BP2,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	CTR-0199	Ctrl	NO
21	14566190	15168743	602554	214	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	CTR-0200	Ctrl	NO
21	14570272	15136617	566346	208	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	EC-CAE430	GGE	NO
21	14570272	15133680	563409	207	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	EC-JAE014	GGE	NO
21	14570272	15255416	685145	231	7	POTED,CYP4F29P,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	CTR-0203	Ctrl	NO
21	14570272	15142378	572107	209	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	CTR-0201; CTR-0202; CTR-0204	Ctrl,Ctrl,Ctrl	NO
21	14594223	15136617	542395	205	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	EC-JAE006	GGE	NO
21	14594223	15142378	548156	205	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	CTR-0205; CTR-0207	Ctrl,Ctrl	NO
21	14594223	15133680	539458	204	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	CTR-0206; CTR-0208	Ctrl,Ctrl	NO
21	14600070	15155536	555467	201	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	CTR-0209	Ctrl	NO
21	14600070	15136617	536548	200	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	CTR-0210	Ctrl	NO
21	14603577	15142378	538802	200	6	POTED,LOC102724188,MIR3118-1,MIR3156-3,MIR8069-1,MIR8069-2	CTR-0211	Ctrl	NO
21	19422940	22377007	2954068	2221	5	CHODL,NCAM2,TMPRSS15,LINC00320,LOC101927797	CTR-0212	Ctrl	NO
21	24625703	25246848	621146	488	1	D21S2088E	CTR-0213	Ctrl	NO
21	25270936	25781558	510623	444	1	LOC101927869	EC-CAE123	GGE	NO
21	36054547	37377890	1323344	1017	9	CLIC6,RUNX1,LINC00160,LINC01426,LINC01436,LOC100506403,LOC101928269,MIR802,RUNX1-IT1	CTR-0214	Ctrl	NO

21	45866974	48096945	2229972	1315	58	ADARB1,C21orf58,COL18A1,COL6A1,COL6A2,DIP2A,FAM207A,FTCD,ITGB2,KRTAP10-1,KRTAP10-10,KRTAP10-11,KRTAP10-12,KRTAP10-2,KRTAP10-3,KRTAP10-4,KRTAP10-5,KRTAP10-6,KRTAP10-7,KRTAP10-8,KRTAP10-9,KRTAP12-1,KRTAP12-2,KRTAP12-3,KRTAP12-4,LRRC3,LSS,MCM3AP,PCBP3,PCNT,POFUT2,PRMT2,PTTG1IP,S100B,SLC19A1,SPATC1L,SUMO3,TSPEAR,UBE2G2,YBEY,COL18A1-AS1,COL18A1-AS2,DIP2A-IT1,ITGB2-AS1,LINC00162,LINC00163,LINC00316,LINC01424,LINC01547,LOC100129027,LOC101928796,LOC642852,LRRC3-AS1,MCM3AP-AS1,MIR6815,SSR4P1,TSPEAR-AS1,TSPEAR-AS2,AIFM3,ARVCF,C22orf29,C22orf39,CDC45,CLDN5,CLTCL1,COMT,CRKL,DGCR14,DGCR2,DGCR6,DGCR6L,DGCR8,GNB1L,GP1BB,GSC2,HIRAKLHL22,LOC388849,LRRC74B,LZTR1,MED15,MRPL40,P2RX6,PI4KA,PRODH,RANBP1,RIMBP3,RTN4R,SCARF2,SEPT5,SERPIND1,SLC25A1,SLC7A4,SNAP29,TANGO2,TBX1,THAP7,TMEM191B,TRMT2A,TSSK2,TXNRD2,UFD1L,ZDHH8,ZNF74,BCRP2,DGCR10,DGCR11,DGCR5,DGCR9,FAM230B,GGT3P,LINC00895,LINC00896,LINC01311,LOC101928891,LOC284865,MIR1286,MIR1306,MIR185,MIR3618,MIR4761,MIR649,MIR6816,P2RX6P,PI4KAP1,POM121L4P,POM121L8P,SEPT5-GP1BB,THAP7-AS1,TMEM191A,TUBA3FP	EC-JME101	GGE	NO
22	18748428	21721708	2973281	1585	73	AIFM3,ARVCF,C22orf29,C22orf39,CDC45,CLDN5,CLTCL1,COMT,CRKL,DGCR14,DGCR2,DGCR6,DGCR6L,DGCR8,GNB1L,GP1BB,GSC2,HIRAKLHL22,LOC388849,LRRC74B,LZTR1,MED15,MRPL40,P2RX6,PI4KA,PRODH,RANBP1,RIMBP3,RTN4R,SCARF2,SEPT5,SERPIND1,SLC25A1,SLC7A4,SNAP29,TANGO2,TBX1,THAP7,TMEM191B,TRMT2A,TSSK2,TXNRD2,UFD1L,ZDHH8,ZNF74,BCRP2,DGCR10,DGCR11,DGCR5,DGCR9,FAM230B,GGT3P,LINC00895,LINC00896,LINC01311,LOC101928891,LOC284865,MIR1286,MIR1306,MIR185,MIR3618,MIR4761,MIR649,MIR6816,P2RX6P,PI4KAP1,POM121L4P,POM121L8P,SEPT5-GP1BB,THAP7-AS1,TMEM191A,TUBA3FP	EC-EGTCS044	GGE	YES
22	18876416	21465835	2589420	1574	70	AIFM3,ARVCF,C22orf29,C22orf39,CDC45,CLDN5,CLTCL1,COMT,CRKL,DGCR14,DGCR2,DGCR6,DGCR6L,DGCR8,GNB1L,GP1BB,GSC2,HIRAKLHL22,LOC388849,LRRC74B,LZTR1,MED15,MRPL40,P2RX6,PI4KA,PRODH,RANBP1,RIMBP3,RTN4R,SCARF2,SEPT5,SERPIND1,SLC25A1,SLC7A4,SNAP29,TANGO2,TBX1,THAP7,TMEM191B,TRMT2A,TSSK2,TXNRD2,UFD1L,ZDHH8,ZNF74,BCRP2,DGCR10,DGCR11,DGCR5,DGCR9,LINC00895,LINC00896,LINC01311,LOC101928891,LOC284865,MIR1286,MIR1306,MIR185,MIR3618,MIR4761,MIR649,MIR6816,P2RX6P,PI4KAP1,POM121L4P,SEPT5-GP1BB,THAP7-AS1,TMEM191A,TUBA3FP	EC-EGMA094	GGE	YES
22	18876416	21611337	2734922	1579	71	AIFM3,ARVCF,C22orf29,C22orf39,CDC45,CLDN5,CLTCL1,COMT,CRKL,DGCR14,DGCR2,DGCR6,DGCR6L,DGCR8,GNB1L,GP1BB,GSC2,HIRAKLHL22,LOC388849,LRRC74B,LZTR1,MED15,MRPL40,P2RX6,PI4KA,PRODH,RANBP1,RIMBP3,RTN4R,SCARF2,SEPT5,SERPIND1,SLC25A1,SLC7A4,SNAP29,TANGO2,TBX1,THAP7,TMEM191B,TRMT2A,TSSK2,TXNRD2,UFD1L,ZDHH8,ZNF74,BCRP2,DGCR10,DGCR11,DGCR5,DGCR9,FAM230B,LINC00895,LINC00896,LINC01311,LOC101928891,LOC284865,MIR1286,MIR1306,MIR185,MIR3618,MIR4761,MIR649,MIR6816,P2RX6P,PI4KAP1,POM121L4P,SEPT5-GP1BB,THAP7-AS1,TMEM191A,TUBA3FP	EC-EGTCS145	GGE	YES
22	23250736	23651318	400583	125	5	BCR,GNAZ,RAB36,RSPH14,FBXW4P1	ROL_003_1	RE	YES