

7 Appendices

Appendix A – Genes targeted for promoter re-sequencing

<i>RRP22</i>	<i>CHEK2</i>	<i>SERHL</i>
<i>AP1B1</i>	<i>ZBED4</i>	<i>POLDIP3</i>
<i>GAS2L1</i>	<i>RBX1</i>	<i>CYB5R3</i>
<i>GNAZ</i>	<i>OTTHUMG00000030682</i>	<i>NDUFA6</i>
<i>RTDR1</i>	<i>TFIP11</i>	<i>AK123630</i>
<i>NEFH</i>	<i>ASPHD2</i>	<i>SEZ6L</i>
<i>ACR</i>	<i>SRR1L</i>	<i>TIMP3</i>
<i>MRPL40</i>	<i>HPS4</i>	<i>PACSIN2</i>
<i>UFD1L</i>	<i>BIK</i>	<i>TLL1</i>
<i>OTTHUMG00000030822</i>	<i>MT</i>	<i>DNAL4</i>
<i>CDC45L</i>	<i>MYO18B</i>	<i>NULL</i>
<i>TXNRD2</i>	<i>CGI-96</i>	<i>CBX6</i>
<i>COMT</i>	<i>APOBEC3A</i>	<i>RPL3</i>
<i>HIRA</i>	<i>ZNRF3</i>	<i>SYNGR1</i>
<i>CLDN5</i>	<i>XRCC6</i>	<i>FLJ2358</i>
<i>GNB1L</i>	<i>NHP2L1</i>	<i>CSDC2</i>
<i>TBX1</i>	<i>OTTHUMG00000030205</i>	<i>PMM1</i>
<i>SEPT5</i>	<i>NUP50</i>	<i>D15Wsu75e</i>
<i>GP1BB</i>	<i>CRYBB3</i>	<i>POLR3H</i>
<i>DGCR2</i>	<i>CRYBB2</i>	<i>PITPNB</i>
<i>RAB36</i>	<i>OTTHUMG00000030164</i>	<i>MN1b</i>
<i>LIMK2</i>	<i>TOB2</i>	<i>SLC25A17</i>
<i>MGC17330</i>	<i>PHF5A</i>	<i>FLJ33814</i>
<i>HORMAD2</i>	<i>PLA2G6</i>	<i>HSC20</i>
<i>CRKL</i>	<i>GPR24</i>	<i>GRAP2</i>
<i>P2RXL1</i>	<i>SREBF2</i>	<i>FAM83F</i>
<i>LZTR1</i>	<i>C22orf18</i>	<i>SH3BP1</i>
<i>SLC7A4</i>	<i>SEPT3</i>	<i>LGALS1</i>
<i>AIFL</i>	<i>NAGA</i>	<i>PDXP</i>
<i>SLC25A18</i>	<i>MGC26816</i>	<i>MGC3731</i>
<i>PCQAP</i>	<i>TNFRSF13C</i>	<i>SULT4A1</i>
<i>OSM</i>	<i>OTTHUMG00000030501</i>	<i>PNPLA5</i>
<i>LIF</i>	<i>C22orf9</i>	<i>MAPK12</i>
<i>OTTHUMG00000030137</i>	<i>UPK3A</i>	<i>MAPK11</i>
<i>CLTCL1</i>	<i>C22orf8</i>	<i>PP2447</i>
<i>SLC25A1</i>	<i>SMC1L2</i>	<i>SELO</i>
<i>DGCR14</i>	<i>LARGE</i>	<i>TUBGCP6</i>
<i>TSSK2</i>	<i>HMOX1</i>	<i>HDAC10</i>
<i>MORC2</i>	<i>MCM5</i>	<i>MOV10L1</i>
<i>OTTHUMG00000030444</i>	<i>XBP1</i>	<i>PANX2</i>
<i>MTP18</i>	<i>OTTHUMG00000030528</i>	<i>MAP3K7IP1</i>

<i>SEC14L2</i>	<i>CERK</i>	<i>DNAJB7</i>
<i>ASCC2</i>	<i>MFNG</i>	<i>RBM9</i>
<i>TBC1D10A</i>	<i>PARVB</i>	<i>APOL5</i>
<i>AB051443</i>	<i>MN1</i>	<i>OSBP2</i>
<i>TBC1D10A</i>	<i>CRYBB1</i>	<i>DDX17</i>
<i>SF3A1</i>	<i>CRYBA4</i>	<i>KCNJ4</i>
<i>LOC200312</i>	<i>TPst2</i>	<i>KDELR3</i>
<i>LOC550631</i>	<i>MAFF</i>	<i>GGA1</i>
<i>ZNF278</i>	<i>KREMEN1</i>	<i>OTTHUMG00000030404</i>
<i>OTTHUMG00000030356</i>	<i>HS747E2A</i>	<i>H1F0</i>
<i>DEPDC5</i>	<i>NCF4</i>	<i>GCAT</i>
<i>PIB5PA</i>	<i>CSF2RB</i>	<i>GALR3</i>
<i>SMTN</i>	<i>FBLN1</i>	<i>OTTHUMG00000030664</i>
<i>PLA2G3</i>	<i>ATXN10</i>	<i>PGEA1</i>
<i>RNF185</i>	<i>EMID1</i>	<i>JOSD1</i>
<i>PES1</i>	<i>C22orf3</i>	<i>GTPBP1</i>
<i>GAL3st1</i>	<i>EWSR1</i>	<i>UNC84B</i>
<i>TCN2</i>	<i>MPPED1</i>	<i>TOM1</i>
<i>SLC35E4</i>	<i>SLC5A1</i>	<i>HMG2L1</i>
<i>CECR1</i>	<i>A4GALT</i>	<i>BRD1</i>
<i>XKR3</i>	<i>OTTHUMG00000030672</i>	<i>BZRP</i>
<i>ZNF74</i>	<i>Tst</i>	<i>TLL12</i>
<i>SCARF2</i>	<i>MPst</i>	<i>SCUBE1</i>
<i>KLHL22</i>	<i>OTTHUMG00000030172</i>	<i>ADPN</i>
<i>NF2</i>	<i>PDGFB</i>	<i>RASD2</i>
<i>NIPSNAP1</i>	<i>OTTHUMG00000030676</i>	<i>SBF1</i>
<i>ZMAT5</i>	<i>SYN3</i>	<i>MIOX</i>
<i>CABP7</i>	<i>YWHAH</i>	<i>ADM2</i>
<i>ARVCF</i>	<i>FLJ20699</i>	<i>TCF20</i>
<i>BID</i>	<i>OTTHUMG00000030329</i>	<i>CSNK1E</i>
<i>BCL2L13</i>	<i>PPM1F</i>	<i>C22orf5</i>
<i>ATP6V1E1</i>	<i>SUHW1</i>	<i>PSCD4</i>
<i>RANBP1</i>	<i>PRAME</i>	<i>KIAA1904</i>
<i>C22orf25</i>	<i>TOP3B</i>	<i>PARVG</i>
<i>DGCR8</i>	<i>VPREB1</i>	<i>BC104183</i>
<i>ZDHHC8</i>	<i>EIF3S6IP</i>	<i>MYH9</i>
<i>AK057137</i>	<i>MICAL-L1</i>	<i>OTTHUMG00000030139</i>
<i>CECR5</i>	<i>RIBC2</i>	<i>PKDREJ</i>
<i>CECR6</i>	<i>LDOC1L</i>	<i>FLJ27365</i>
<i>IL17R</i>	<i>PRKCABP</i>	<i>APOBEC3B</i>
<i>DKFZp434N035</i>	<i>SLC16A8</i>	<i>CBX7</i>
<i>PIK4CA</i>	<i>BAIAP2L2</i>	<i>RANGAP1</i>
<i>SNAP29</i>	<i>SOX10</i>	<i>L3MBTL2</i>
<i>SERPIND1</i>	<i>POLR2F</i>	<i>SAMM50</i>

<i>USP18</i>	<i>C22orf23</i>	<i>MEI1</i>
<i>TUBA8</i>	<i>ADSL</i>	<i>FLJ22349</i>
<i>PEX26</i>	<i>RUTBC3</i>	<i>SFI1</i>
<i>AK000085</i>	<i>MKL1</i>	<i>PISD</i>
<i>ZNF70</i>	<i>MGAT3</i>	<i>EP300</i>
<i>VPREB3</i>	<i>ATF4</i>	<i>CARD10</i>
<i>C22orf16</i>	<i>NULL</i>	<i>RFPL2</i>
<i>MMP11</i>	<i>FLJ20232</i>	<i>SLC5A4</i>
<i>SMARCB1</i>	<i>TXN2</i>	<i>RUTBC2</i>
<i>DERL3</i>	<i>EIF3S7</i>	<i>TEF</i>
<i>SLC2A11</i>	<i>FLJ23322</i>	<i>ZC3H7B</i>
<i>MIF</i>	<i>TRMU</i>	<i>PVALB</i>
<i>GstT1</i>	<i>GTSE1</i>	<i>MB</i>
<i>CABIN1</i>	<i>CELSR1</i>	<i>APOL6</i>
<i>ADORA2A</i>	<i>KCTD17</i>	<i>TBC1D22A</i>
<i>UPB1</i>	<i>TMPRSS6</i>	<i>BCR</i>
<i>C22orf13</i>	<i>IL2RB</i>	<i>AK057318</i>
<i>SNRPD3</i>	<i>CDC42EP1</i>	<i>OTTHUMG00000030810</i>
<i>LOC388886</i>	<i>LGALS2</i>	<i>KLHDC7B</i>
<i>UBE2L3</i>	<i>PHF21B</i>	<i>OTTHUMG00000030815</i>
<i>PPIL2</i>	<i>OTTHUMG00000058273</i>	<i>hCAP-H2</i>
<i>YPEL1</i>	<i>HSPC117</i>	<i>SCO2</i>
<i>SDF2L1</i>	<i>FBXO7</i>	<i>ECGF1</i>
<i>LOC150223</i>	<i>RAC2</i>	<i>CPT1B</i>
<i>FLJ36046</i>	<i>C1QTNF6</i>	<i>CHKB</i>
<i>MAPK1</i>	<i>CACNA1I</i>	<i>MAPK8IP2</i>
<i>DRG1</i>	<i>ARHGAP8</i>	<i>ARSA</i>
<i>EIF4ENIF1</i>	<i>OTTHUMG00000030175</i>	<i>TMEM153</i>
<i>EIF4ENIF1</i>	<i>FAM109B</i>	
<i>FAM19A5</i>	<i>RAXLX</i>	

Appendix B - SNPs discovered in promoter re-sequencing

The names of the genes whose promoters were re-sequences are listed in order of occurrence on chromosome 22, from the centromeric to the telomeric end of the q arm.

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>XKR3</i>	15677239	-103	rs2891848	T	A	0.45
<i>XKR3</i>	15677328	-192	rs5016127	G	C	0.46
<i>XKR3</i>	15677357	-221	rs5016128	G	A	0.48
<i>XKR3</i>	15677377	-241	rs12484826	T	C	0.28
<i>XKR3</i>	15677594	-458	rs5992556	T	C	0.45
<i>XKR3</i>	15677830	-694	NT_011519.10_455426	A	T	0.09
<i>XKR3</i>	15677937	-801	rs5994031	T	C	0.46
<i>XKR3</i>	15678018	-882	rs2215841	A	C	0.42
<i>XKR3</i>	15678150	-1014	rs2192431	T	G	0.09
<i>XKR3</i>	15678475	-1339	rs9606477	A	T	0.43
<i>XKR3</i>	15678686	-1550	rs175138	A	G	0.35
<i>XKR3</i>	15678800	-1664	rs175139	T	C	0.45
<i>XKR3</i>	15679011	-1875	rs5994033	T	C	0.33
<i>IL17R</i>	15939543	-877	NT_011519.10_717139	G	A	0.01
<i>IL17R</i>	15939567	-853	rs4819958	G	A	0.16
<i>IL17R</i>	15939589	-831	rs4819554	A	G	0.16
<i>CECR6</i>	15977393	-698	rs5992629	A	G	0.14
<i>CECR6</i>	15977999	-1304	NT_011519.10_755595	C	T	0.06
<i>CECR6</i>	15978031	-1336	rs5748871	A	G	0.31

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>CECR6</i>	15978057	-1362	rs28360663	G	A	0.07
<i>CECR6</i>	15978355	-1660	rs5746996	C	A	0.36
<i>CECR6</i>	15978377	-1682	rs5748872	G	A	0.06
<i>CECR6</i>	15978426	-1731	NT_011519.10_756022	G	A	0.01
<i>CECR5</i>	16015633	-914	rs5748917	C	T	0.41
<i>CECR5</i>	16016239	-1520	NT_011519.10_793835	C	T	0.12
<i>CECR5</i>	16016466	-1747	rs5747015	A	G	0.35
<i>CECRI</i>	16075858	-991	rs9619019	C	A	0.09
<i>CECRI</i>	16076365	-1498	rs737970	C	A	0.36
<i>CECRI</i>	16076600	-1733	rs737969	A	G	0.45
<i>CECRI</i>	16076804	-1937	rs1807519	T	C	0.44
<i>SLC25A18</i>	16416647	-1061	rs174357	T	A	0.11
<i>SLC25A18</i>	16416930	-778	rs1296805	T	G	0.15
<i>BCL2L13</i>	16484411	-1824	NT_011519.10_1262007	G	A	0.05
<i>BCL2L13</i>	16484502	-1733	rs5992769	C	G	0.48
<i>BCL2L13</i>	16484517	-1718	rs4449236	T	C	0.43
<i>BCL2L13</i>	16485985	-250	rs17526598	T	C	0.27
<i>BCL2L13</i>	16486110	-125	rs5746448	A	C	0.13
<i>BCL2L13</i>	16486197	-38	NT_011519.10_1263793	C	T	0.01
<i>BID</i>	16632898	-1089	rs8190256	T	G	0.03
<i>BID</i>	16632936	-1127	rs366542	C	T	0.38
<i>PEX26</i>	16933643	-1599	NT_011519.10_1711239	T	C	0.05
<i>PEX26</i>	16935124	-118	rs462055	C	T	0.22
<i>PEX26</i>	16935151	-91	NT_011519.10_1712747	T	C	0.01

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>PEX26</i>	16935165	-77	rs12157958	T	G	0.02
<i>AK000085</i>	16937288	-1086	NT_011519.10_1714884	T	C	0.01
<i>AK000085</i>	16937841	-1639	rs362146	G	A	0.07
<i>AK000085</i>	16937856	-1654	NT_011519.10_1715452	T	C	0.01
<i>USP18</i>	17005919	-1344	rs9618216	C	T	0.07
<i>USP18</i>	17006608	-655	rs9617680	G	C	0.09
<i>DGCR2</i>	17484963	-467	rs17526612	A	G	0.32
<i>DGCR2</i>	17486114	-1618	NT_011519.10_2263710	C	A	0.14
<i>TSSK2</i>	17491378	-1015	NT_011519.10_2268974	T	C	0.15
<i>TSSK2</i>	17491441	-952	NT_011519.10_2269037	T	A	0.12
<i>TSSK2</i>	17491821	-572	rs8139221	T	C	0.36
<i>TSSK2</i>	17492200	-193	NT_011519.10_2269796	A	G	0.03
<i>DGCR14</i>	17506879	-152	rs737923	A	G	0.39
<i>DGCR14</i>	17506933	-206	NT_011519.10_2284529	G	T	0.01
<i>DGCR14</i>	17506934	-207	rs1936950	A	T	0.12
<i>DGCR14</i>	17506939	-212	rs1936951	G	A	0.12
<i>DGCR14</i>	17507658	-931	rs5748005	C	A	0.23
<i>DGCR14</i>	17508159	-1432	rs715544	G	A	0.13
<i>DGCR14</i>	17508470	-1743	rs4819776	C	T	0.29
<i>DGCR14</i>	17508576	-1849	rs4819777	G	A	0.28
<i>DGCR14</i>	17508637	-1910	rs4819778	C	T	0.41
<i>DGCR14</i>	17508713	-1986	rs7289913	C	T	0.14
<i>SLC25A1</i>	17541633	-798	rs5746674	G	A	0.01
<i>SLC25A1</i>	17541939	-1104	rs738904	C	A	0.41

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>SLC25A1</i>	17541963	-1128	rs712958	T	C	0.48
<i>SLC25A1</i>	17541975	-1140	rs5746675	G	A	0.01
<i>SLC25A1</i>	17542355	-1520	rs2793062	C	T	0.16
<i>SLC25A1</i>	17542641	-1806	rs2800974	A	G	0.35
<i>CLTCL1</i>	17654305	-556	NT_011519.10_2431901	A	T	0.04
<i>CLTCL1</i>	17654722	-973	NT_011519.10_2432318	A	G	0.15
<i>CLTCL1</i>	17654957	-1208	rs3810597	G	T	0.08
<i>CDC45L</i>	17840789	-1186	rs13447177	C	T	0.07
<i>CDC45L</i>	17840903	-1072	rs5748231	G	T	0.46
<i>CDC45L</i>	17840939	-1036	rs5993649	A	G	0.5
<i>UFD1L</i>	17841440	-70	rs5992403	C	T	0.46
<i>CDC45L</i>	17841783	-192	rs13447180	T	G	0.01
<i>CDC45L</i>	17841851	-124	rs4141528	C	G	0.01
<i>UFD1L</i>	17842016	-646	rs13447182	G	T	0.1
<i>UFD1L</i>	17842206	-836	rs5748232	C	T	0.34
<i>UFD1L</i>	17842271	-901	rs4141527	C	T	0.01
<i>UFD1L</i>	17842441	-1071	rs13447184	G	A	0.01
<i>UFD1L</i>	17843068	-1698	rs13447189	T	C	0.03
<i>UFD1L</i>	17843209	-1839	rs5993650	T	C	0.46
<i>UFD1L</i>	17843226	-1856	rs5746745	G	A	0.03
<i>CLDN5</i>	17887472	-32	rs5748258	C	T	0.03
<i>CLDN5</i>	17888043	-603	rs11705109	T	G	0.03
<i>CLDN5</i>	17888246	-806	NT_011519.10_2665842	C	T	0.02
<i>CLDN5</i>	17888430	-990	rs9606048	C	T	0.48

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>CLDN5</i>	17888451	-1011	rs16983833	C	T	0.01
<i>CLDN5</i>	17888484	-1044	rs2871029	G	A	0.08
<i>CLDN5</i>	17888552	-1112	rs739371	G	C	0.22
<i>CLDN5</i>	17888567	-1127	rs9604969	A	G	0.07
<i>CLDN5</i>	17888805	-1365	NT_011519.10_2666401	G	A	0.01
<i>CLDN5</i>	17888950	-1510	rs739370	T	C	0.5
<i>CLDN5</i>	17889021	-1581	NT_011519.10_2666617	C	T	0.03
<i>TBX1</i>	18117978	-801	NT_011519.10_2895574	C	T	0.28
<i>GNB1L</i>	18217302	-288	rs28451568	A	G	0.06
<i>COMT</i>	18303438	-411	rs2020917	T	C	0.48
<i>COMT</i>	18303581	-268	rs13306278	C	T	0.25
<i>TXNRD2</i>	18304675	-608	rs737865	A	G	0.26
<i>TXNRD2</i>	18304713	-646	rs737864	C	T	0.31
<i>TXNRD2</i>	18305364	-1297	NT_011519.10_3082960	T	C	0.06
<i>TXNRD2</i>	18305727	-1660	rs933270	T	A	0.28
<i>ARVCF</i>	18379491	-630	rs2531717	C	G	0.4
<i>ARVCF</i>	18380698	-1837	rs2531700	C	T	0.3
<i>ARVCF</i>	18380908	-2047	rs5748501	G	C	0.35
<i>C22orf25</i>	18381266	-1919	rs2531702	G	A	0.02
<i>C22orf25</i>	18382153	-1032	rs7288996	G	A	0.27
<i>C22orf25</i>	18382173	-1012	rs5746851	C	T	0.34
<i>DGCR8</i>	18441352	-973	NT_011519.10_3218948	T	G	0.04
<i>RANBP1</i>	18477970	-1503	NT_011519.10_3255566	A	G	0.01
<i>RANBP1</i>	18478399	-1074	NT_011519.10_3255995	G	A	0.01

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>RANBP1</i>	18479333	-140	NT_011519.10_3256929	C	T	0.02
<i>RANBP1</i>	18479373	-100	rs713982	C	A	0.25
<i>RANBP1</i>	18479407	-66	rs2286929	T	G	0.27
<i>ZDHHC8</i>	18492272	-1735	NT_011519.10_3269868	G	C	0.01
<i>ZDHHC8</i>	18492906	-1101	NT_011519.10_3270502	G	C	0.01
<i>ZDHHC8</i>	18493004	-1003	NT_011519.10_3270600	T	C	0.02
<i>AK057137</i>	18566885	-1588	rs9605084	C	G	0.2
<i>AK057137</i>	18567098	-1375	rs12485013	G	A	0.13
<i>AK057137</i>	18567653	-820	NT_011519.10_3345249	C	T	0.08
<i>AK057137</i>	18567668	-805	rs640836	C	A	0.14
<i>ZNF74</i>	19072317	-696	rs17551325	G	T	0.44
<i>ZNF74</i>	19072607	-406	rs17551339	G	A	0.31
<i>ZNF74</i>	19072807	-206	rs17551346	C	T	0.41
<i>SCARF2</i>	19118468	-1801	rs1035239	T	C	0.38
<i>SCARF2</i>	19118476	-1809	NT_011520.10_184491	A	G	0.02
<i>KLHL22</i>	19175978	-1305	rs9608041	C	T	0.06
<i>KLHL22</i>	19176004	-1331	NT_011520.10_242019	C	T	0.03
<i>PCQAP</i>	19185485	-937	rs738092	C	T	0.2
<i>PCQAP</i>	19186060	-362	NT_011520.10_252075	A	G	0.02
<i>DKFZp434N035</i>	19378097	-1858	NT_011520.10_444112	C	G	0.06
<i>DKFZp434N035</i>	19378214	-1741	NT_011520.10_444229	G	A	0.03
<i>DKFZp434N035</i>	19378224	-1731	rs5760087	C	T	0.45
<i>DKFZp434N035</i>	19378404	-1551	rs6003940	G	C	0.07
<i>DKFZp434N035</i>	19378496	-1459	NT_011520.10_444511	A	G	0.2

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>DKFZp434N035</i>	19378548	-1407	NT_011520.10_444563	C	T	0.01
<i>DKFZp434N035</i>	19378884	-1071	rs2329472	T	C	0.05
<i>DKFZp434N035</i>	19378920	-1035	NT_011520.10_444935	G	C	0.01
<i>DKFZp434N035</i>	19379142	-813	rs2908694	T	C	0.44
<i>SERPIND1</i>	19456708	-1039	rs165912	C	T	0.43
<i>SNAP29</i>	19536098	-1747	NT_011520.10_602113	C	T	0.07
<i>SNAP29</i>	19536134	-1711	NT_011520.10_602149	C	T	0.01
<i>PIK4CA</i>	19537615	-104	NT_011520.10_603630	G	A	0.01
<i>PIK4CA</i>	19537740	-229	NT_011520.10_603755	G	C	0.02
<i>CRKL</i>	19595377	-790	rs7288034	C	G	0.37
<i>CRKL</i>	19595474	-693	NT_011520.10_661489	G	A	0.41
<i>AIFL</i>	19644875	-1197	rs5761567	T	C	0.47
<i>AIFL</i>	19645082	-990	rs6005061	T	C	0.47
<i>AIFL</i>	19645218	-854	rs17526584	G	A	0.41
<i>AIFL</i>	19645260	-812	rs17555251	T	C	0.32
<i>LZTR1</i>	19659015	-1827	rs8140475	T	G	0.01
<i>LZTR1</i>	19659427	-1415	rs13057408	G	C	0.42
<i>LZTR1</i>	19659813	-1029	rs178278	C	A	0.47
<i>SLC7A4</i>	19713159	-1757	rs2541956	C	T	0.34
<i>UBE2L3</i>	20245848	-651	rs140489	G	A	0.13
<i>UBE2L3</i>	20246240	-259	rs140490	G	T	0.09
<i>FLJ36046</i>	20310655	-903	NT_011520.10_1376670	G	T	0.01
<i>FLJ36046</i>	20310727	-831	NT_011520.10_1376742	G	T	0.03
<i>FLJ36046</i>	20310950	-608	rs12158334	T	A	0.01

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>FLJ36046</i>	20311381	-177	rs861855	A	C	0.27
<i>SDF2L1</i>	20319585	-1543	rs861849	G	A	0.31
<i>PPM1F</i>	20631935	-174	rs875344	C	T	0.09
<i>PPM1F</i>	20632073	-312	rs412050	G	C	0.25
<i>PPM1F</i>	20633334	-1573	rs9610704	C	A	0.13
<i>TOP3B</i>	20655563	-670	rs17759988	C	T	0.11
<i>TOP3B</i>	20655841	-948	NT_011520.10_1721856	C	G	0.02
<i>TOP3B</i>	20655959	-1066	NT_011520.10_1721974	A	G	0.17
<i>TOP3B</i>	20656300	-1407	rs9607467	C	G	0.1
<i>TOP3B</i>	20656373	-1480	rs2877004	T	C	0.5
<i>VPREB1</i>	20921845	-1908	rs5750798	C	G	0.47
<i>VPREB1</i>	20921884	-1869	rs6001551	A	G	0.25
<i>VPREB1</i>	20921960	-1793	rs5750799	A	G	0.33
<i>VPREB1</i>	20922150	-1603	rs11574456	T	C	0.12
<i>VPREB1</i>	20922155	-1598	rs5757629	G	A	0.34
<i>VPREB1</i>	20923355	-398	rs6001558	G	A	0.04
<i>VPREB1</i>	20923436	-317	rs5757641	A	G	0.2
<i>VPREB1</i>	20923611	-142	rs5757643	G	A	0.36
<i>SUHW1</i>	21199209	-65	rs4822092	T	A	0.21
<i>SUHW1</i>	21199347	-203	rs362241	C	T	0.23
<i>SUHW1</i>	21199361	-217	rs9607985	G	C	0.3
<i>SUHW1</i>	21199519	-375	rs362208	G	A	0.26
<i>SUHW1</i>	21199606	-462	rs361755	C	G	0.38
<i>SUHW1</i>	21200091	-947	rs361660	G	T	0.11

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>SUHW1</i>	21200344	-1200	rs361864	A	C	0.19
<i>SUHW1</i>	21200705	-1561	NT_011520.10_2266720	C	G	0.06
<i>SUHW1</i>	21200790	-1646	rs361535	C	T	0.25
<i>SUHW1</i>	21200809	-1665	rs361940	C	T	0.11
<i>SUHW1</i>	21200940	-1796	rs361828	G	T	0.13
<i>SUHW1</i>	21200984	-1840	rs9620107	G	A	0.17
<i>GNAZ</i>	21735472	-1088	rs13054904	T	A	0.24
<i>GNAZ</i>	21735606	-954	NT_011520.10_2801621	C	T	0.01
<i>GNAZ</i>	21736571	11	rs3788337	G	A	0.28
<i>ZNF70</i>	22418343	-514	NT_011520.10_3484358	C	A	0.15
<i>ZNF70</i>	22418769	-940	rs5759991	G	C	0.31
<i>ZNF70</i>	22419030	-1201	rs731545	T	G	0.37
<i>SMARCB1</i>	22453683	-15	rs11704810	G	T	0.14
<i>DERL3</i>	22506721	-942	NT_011520.10_3572736	G	A	0.01
<i>SLC2A11</i>	22522724	-1897	rs9754326	T	C	0.5
<i>SLC2A11</i>	22523868	-753	NT_011520.10_3589883	G	T	0.1
<i>MIF</i>	22559218	-1662	rs2012124	C	T	0.19
<i>MIF</i>	22559288	-1592	rs2012133	G	C	0.19
<i>MIF</i>	22559361	-1519	rs12483859	T	C	0.19
<i>MIF</i>	22559413	-1467	rs12485058	A	G	0.18
<i>CABIN1</i>	22731332	-982	rs422674	C	A	0.33
<i>CABIN1</i>	22732037	-277	rs11090305	T	C	0.23
<i>CABIN1</i>	22732121	-193	rs7289998	G	A	0.15
<i>ADORA2A</i>	23136931	-1331	rs3747115	C	T	0.39

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>UPB1</i>	23187292	-114	rs738813	G	A	0.31
<i>LOC388886</i>	23314474	-877	rs2154611	C	T	0.25
<i>LOC388886</i>	23314767	-1170	rs4820599	A	G	0.36
<i>LOC388886</i>	23314902	-1305	rs5760488	T	A	0.32
<i>LOC388886</i>	23314912	-1315	rs2070476	A	G	0.35
<i>LOC388886</i>	23315200	-1603	rs5760489	A	G	0.3
<i>RUTBC2</i>	23524830	-1859	NT_011520.10_4590845	A	G	0.01
<i>RUTBC2</i>	23524980	-1709	NT_011520.10_4590995	C	T	0.03
<i>RUTBC2</i>	23525871	-818	rs175662	G	A	0.36
<i>OTTHUMG00000030682</i>	23668352	-1237	rs6004364	C	T	0.15
<i>OTTHUMG00000030164</i>	23671624	-1626	NT_011520.10_4737639	C	T	0.04
<i>CRYBB3</i>	23918554	-1824	rs6004479	A	G	0.48
<i>CRYBB3</i>	23918573	-1805	NT_011520.10_4984588	G	A	0.03
<i>CRYBB3</i>	23920110	-268	NT_011520.10_4986125	G	T	0.07
<i>MYO18B</i>	24461214	-1457	rs133849	T	C	0.37
<i>MYO18B</i>	24461881	-790	rs133851	G	C	0.4
<i>ASPHD2</i>	25152676	-1264	rs9608490	T	C	0.04
<i>HPS4</i>	25202535	-1869	rs3747134	A	G	0.12
<i>HPS4</i>	25202578	-1826	rs5761557	G	A	0.11
<i>HPS4</i>	25202837	-1567	NT_011520.10_6268852	A	G	0.06
<i>HPS4</i>	25203521	-883	rs5752333	C	T	0.11
<i>HPS4</i>	25203645	-759	rs9620611	G	A	0.18
<i>HPS4</i>	25203851	-553	rs6005059	C	G	0.1
<i>HPS4</i>	25204054	-350	NT_011520.10_6270069	G	C	0.11

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>HPS4</i>	25204117	-287	rs3747136	T	C	0.04
<i>HPS4</i>	25204245	-159	rs3747137	T	C	0.08
<i>HPS4</i>	25204377	-27	rs968425	A	C	0.1
<i>SRRIL</i>	25205110	-756	rs4822724	C	T	0.48
<i>SRRIL</i>	25205685	-1331	rs13054869	C	T	0.02
<i>SRRIL</i>	25205700	-1346	rs5761560	C	T	0.47
<i>CRYBB1</i>	25339021	-429	rs5761635	C	T	0.42
<i>CRYBA4</i>	25341854	-627	rs2283843	G	T	0.39
<i>CRYBA4</i>	25341989	-492	rs5997109	C	G	0.37
<i>PITPNB</i>	26641672	-1633	rs9625361	G	T	0.09
<i>PITPNB</i>	26641771	-1732	NT_011520.10_7707786	A	T	0.02
<i>PITPNB</i>	26641955	-1916	rs12170161	C	A	0.14
<i>MN1b</i>	26711174	-1836	rs470100	A	G	0.43
<i>MN1b</i>	26711799	-1211	NT_011520.10_7777814	T	G	0.01
<i>MN1b</i>	26712303	-707	rs138642	G	A	0.08
<i>MN1b</i>	26712933	-77	rs138644	G	A	0.3
<i>HSC20</i>	27461711	-882	rs17883375	G	A	0.35
<i>HSC20</i>	27462498	-95	rs17436064	C	G	0.3
<i>FLJ33814</i>	27491783	-1477	NT_011520.10_8557798	G	T	0.01
<i>FLJ33814</i>	27492893	-367	NT_011520.10_8558908	G	A	0.02
<i>FLJ33814</i>	27493141	-119	NT_011520.10_8559156	G	C	0.02
<i>HS747E2A</i>	27782995	-536	rs134559	G	A	0.29
<i>HS747E2A</i>	27783342	-883	rs16987014	G	A	0.09
<i>HS747E2A</i>	27783399	-940	rs134560	G	A	0.17

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>KREMEN1</i>	27793010	-651	rs134594	T	C	0.35
<i>C22orf3</i>	27989460	-948	rs2857460	C	T	0.22
<i>GAS2L1</i>	28026689	-840	NT_011520.10_9092704	C	T	0.03
<i>GAS2L1</i>	28026693	-836	rs174761	C	T	0.42
<i>RRP22</i>	28036603	-136	NT_011520.9_9102618	G	A	0.14
<i>APIB1</i>	28110920	-1860	rs5763189	G	T	0.04
<i>APIB1</i>	28111051	-1991	rs5763190	C	T	0.05
<i>NEFH</i>	28191010	-450	rs28380	C	G	0.42
<i>NEFH</i>	28191054	-406	NT_011520.10_9257069	G	A	0.01
<i>NEFH</i>	28191148	-312	NT_011520.10_9257163	T	G	0.22
<i>NIPSNAP1</i>	28302132	-254	rs13057041	C	T	0.4
<i>NIPSNAP1</i>	28302156	-278	rs12484392	C	A	0.42
<i>NIPSNAP1</i>	28302580	-702	rs5763346	A	T	0.33
<i>NIPSNAP1</i>	28303303	-1425	rs16987832	C	G	0.18
<i>NIPSNAP1</i>	28303312	-1434	rs5763347	G	C	0.09
<i>NIPSNAP1</i>	28303613	-1735	rs5763348	T	C	0.08
<i>NF2</i>	28322671	-1445	NT_011520.10_9388686	T	A	0.01
<i>NF2</i>	28323790	-326	rs1800538	G	C	0.4
<i>ZMAT5</i>	28487684	-95	NT_011520.10_9553699	G	T	0.01
<i>ZMAT5</i>	28487886	-297	rs17526577	A	G	0.4
<i>ZMAT5</i>	28488389	-800	rs140135	G	C	0.25
<i>ZMAT5</i>	28489170	-1581	rs140136	G	T	0.47
<i>ASCC2</i>	28559924	-1144	NT_011520.10_9625939	C	T	0.01
<i>ASCC2</i>	28560046	-1266	rs4820820	C	T	0.13

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>OTTHUMG00000030137</i>	28964768	-1984	rs737921	G	A	0.32
<i>OTTHUMG00000030137</i>	28965149	-1603	rs929273	G	A	0.21
<i>OTTHUMG00000030137</i>	28965893	-859	NT_011520.10_10031908	C	T	0.05
<i>LIF</i>	28968163	-883	rs2267153	C	G	0.17
<i>TBC1D10A</i>	29010780	-648	rs4823085	C	T	0.29
<i>TBC1D10A</i>	29010808	-676	rs7284531	T	C	0.14
<i>LOC550631</i>	29076181	-1242	rs4820834	G	A	0.11
<i>LOC550631</i>	29076729	-694	NT_011520.10_10142744	T	G	0.05
<i>LOC550631</i>	29076895	-528	rs17657653	A	C	0.23
<i>LOC550631</i>	29076921	-502	rs5997619	C	T	0.1
<i>SF3A1</i>	29078539	-865	rs17657701	A	G	0.16
<i>SF3A1</i>	29078920	-1246	rs17730978	T	C	0.03
<i>AB051443</i>	29096409	-85	rs5753106	A	G	0.16
<i>AB051443</i>	29097514	-1190	NT_011520.10_10163529	T	C	0.2
<i>AB051443</i>	29098285	-1961	rs5997628	C	A	0.3
<i>LOC200312</i>	29109091	-1167	rs7284527	G	A	0.4
<i>SEC14L2</i>	29116381	-1105	rs1076271	G	A	0.14
<i>SEC14L2</i>	29116669	-817	rs715504	C	T	0.17
<i>MTP18</i>	29144312	-1864	rs1061664	G	A	0.13
<i>MTP18</i>	29145261	-915	rs5994305	A	G	0.2
<i>GAL3st1</i>	29285602	-170	rs42932	T	C	0.41
<i>GAL3st1</i>	29285738	-306	rs11704774	T	A	0.06
<i>GAL3st1</i>	29286106	-674	NT_011520.10_10352121	C	T	0.03
<i>GAL3st1</i>	29286199	-767	rs42933	C	T	0.13

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>GAL3st1</i>	29286714	-1282	rs4820867	G	A	0.04
<i>GAL3st1</i>	29286760	-1328	rs42934	T	C	0.21
<i>GAL3st1</i>	29287296	-1864	rs42935	G	A	0.46
<i>PES1</i>	29312415	64	rs17526675	C	G	0.42
<i>PES1</i>	29312487	-8	rs17526668	T	A	0.1
<i>PES1</i>	29312514	-35	rs17526661	C	T	0.13
<i>PES1</i>	29312936	-457	rs17526654	G	A	0.36
<i>PES1</i>	29313072	-593	rs12484495	G	T	0.11
<i>PES1</i>	29313231	-752	NT_011520.10_10379246	G	C	0.01
<i>PES1</i>	29313316	-837	rs12484511	C	T	0.05
<i>PES1</i>	29314472	-1993	rs16988814	G	C	0.12
<i>TCN2</i>	29326376	-1260	rs5749131	G	A	0.39
<i>SLC35E4</i>	29354727	-1465	NT_011520.10_10420742	C	A	0.01
<i>SLC35E4</i>	29354767	-1425	rs5749148	C	T	0.45
<i>SLC35E4</i>	29355082	-1110	rs5753259	C	T	0.39
<i>SLC35E4</i>	29355146	-1046	rs5753260	G	A	0.43
<i>OTTHUMG00000030444</i>	29688253	-1943	NT_011520.10_10754268	G	A	0.01
<i>PIB5PA</i>	29841988	-1282	NT_011520.10_10908003	C	T	0.44
<i>PIB5PA</i>	29842616	-654	NT_011520.10_10908631	T	C	0.03
<i>PLA2G3</i>	29861234	-89	rs2232173	G	C	0.02
<i>PLA2G3</i>	29861338	-193	rs2232172	C	T	0.08
<i>PLA2G3</i>	29861676	-531	rs2232170	G	A	0.33
<i>PLA2G3</i>	29861896	-751	rs9619169	T	G	0.48
<i>PLA2G3</i>	29861920	-775	NT_011520.10_10927935	G	A	0.01

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>PLA2G3</i>	29862959	-1814	NT_011520.10_10928974	G	T	0.01
<i>LIMK2</i>	29931503	-1301	NT_011520.10_10997518	C	G	0.05
<i>LIMK2</i>	29931738	-1066	rs9606827	A	G	0.06
<i>LIMK2</i>	29932388	-416	rs2073858	G	C	0.25
<i>MGC17330</i>	30014259	-869	rs5997948	T	A	0.14
<i>OTTHUMG00000030356</i>	30065621	-1698	rs714909	G	A	0.33
<i>ZNF278</i>	30067991	-1251	NT_011520.10_11134006	C	T	0.01
<i>ZNF278</i>	30068563	-1823	NT_011520.10_11134578	T	C	0.04
<i>ZNF278</i>	30068626	-1886	rs5997959	G	A	0.09
<i>EIF4ENIF1</i>	30209870	-582	rs12106594	C	T	0.06
<i>DEPDC5</i>	30474409	-199	NT_011520.10_11540424	G	C	0.01
<i>YWHAH</i>	30663739	-1285	rs9609391	A	G	0.11
<i>YWHAH</i>	30663767	-1257	rs929036	C	T	0.43
<i>SLC5A4</i>	30976117	-336	rs16990066	G	A	0.02
<i>SLC5A4</i>	30976548	-767	NT_011520.10_12042563	G	A	0.03
<i>SLC5A4</i>	30976563	-782	NT_011520.10_12042578	G	T	0.04
<i>SLC5A4</i>	30976583	-802	NT_011520.10_12042598	T	C	0.12
<i>SLC5A4</i>	30976958	-1177	rs12160790	C	T	0.03
<i>SLC5A4</i>	30976999	-1218	rs12157791	G	A	0.01
<i>HSPC117</i>	31132909	-115	rs17555307	G	A	0.42
<i>HSPC117</i>	31133380	-586	rs12167726	C	T	0.03
<i>HSPC117</i>	31133552	-758	rs734809	C	T	0.15
<i>HSPC117</i>	31134386	-1592	rs9609538	T	C	0.27
<i>OTTHUMG00000058273</i>	31185346	-361	rs9609562	C	T	0.29

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>OTTHUMG00000058273</i>	31185578	-593	rs12628767	T	A	0.1
<i>OTTHUMG00000058273</i>	31185637	-652	rs9606957	G	T	0.42
<i>OTTHUMG00000058273</i>	31185772	-787	NT_011520.10_12251787	A	G	0.01
<i>OTTHUMG00000058273</i>	31185827	-842	NT_011520.10_12251842	C	T	0.17
<i>OTTHUMG00000058273</i>	31186740	-1755	NT_011520.10_12252755	T	A	0.01
<i>OTTHUMG00000058273</i>	31186936	-1951	rs738263	G	A	0.44
<i>FBXO7</i>	31194049	-1168	rs9609566	G	T	0.33
<i>FBXO7</i>	31195128	-89	rs3761435	A	G	0.09
<i>TIMP3</i>	31520938	-1302	rs5749511	C	T	0.1
<i>TIMP3</i>	31521247	-993	rs9619311	T	C	0.13
<i>TIMP3</i>	31521644	-596	rs2234920	T	A	0.01
<i>SYN3</i>	31779474	-566	NT_011520.10_12845489	G	A	0.11
<i>SYN3</i>	31780353	-1445	rs5749552	T	C	0.29
<i>SYN3</i>	31780644	-1736	rs5998713	C	A	0.05
<i>LARGE</i>	32642177	-1913	rs2267328	T	G	0.02
<i>RAXLX</i>	33784921	-1662	rs362198	G	A	0.32
<i>RAXLX</i>	33785475	-1108	rs361738	C	A	0.34
<i>RAXLX</i>	33785831	-752	rs361788	T	C	0.46
<i>RAXLX</i>	33785892	-691	rs362214	G	A	0.38
<i>RAXLX</i>	33785911	-672	rs361813	C	A	0.21
<i>RAXLX</i>	33785937	-646	rs362166	C	T	0.08
<i>RAXLX</i>	33786043	-540	rs361969	T	G	0.48
<i>RAXLX</i>	33786084	-499	rs361750	A	G	0.46
<i>RAXLX</i>	33786089	-494	rs361837	G	A	0.44

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>RAXLX</i>	33786174	-409	rs361805	C	G	0.45
<i>RAXLX</i>	33786507	-76	rs5755566	C	A	0.24
<i>HMG2L1</i>	33977249	-783	rs2413323	T	C	0.43
<i>HMG2L1</i>	33977325	-707	rs11703542	G	A	0.1
<i>HMG2L1</i>	33978027	-5	rs5755674	T	C	0.43
<i>TOM1</i>	34018763	-1635	rs4509	A	G	0.42
<i>TOM1</i>	34018849	-1549	rs138726	G	A	0.42
<i>TOM1</i>	34019447	-951	rs138727	C	A	0.29
<i>TOM1</i>	34020356	-42	rs17526640	A	G	0.33
<i>HMOX1</i>	34100257	-650	NT_011520.10_15166272	T	G	0.34
<i>MCM5</i>	34119844	-825	rs4645726	G	C	0.25
<i>MCM5</i>	34119967	-702	rs1078979	A	G	0.36
<i>RASD2</i>	34259975	-1439	rs2092195	A	G	0.5
<i>MB</i>	34338762	-643	rs5750135	G	A	0.34
<i>MB</i>	34339399	-1280	NT_011520.10_15405414	C	T	0.1
<i>APOL6</i>	34368087	-827	rs5995133	G	C	0.1
<i>APOL6</i>	34368135	-779	rs4820207	G	A	0.03
<i>MYH9</i>	35108649	-115	NT_011520.10_16174664	G	A	0.01
<i>MYH9</i>	35109797	-1263	NT_011520.10_16175812	C	T	0.04
<i>FLJ23322</i>	35227546	-351	rs2277842	G	A	0.19
<i>EIF3S7</i>	35249997	-16	rs17555300	G	A	0.21
<i>EIF3S7</i>	35250238	-257	rs9607351	A	C	0.24
<i>EIF3S7</i>	35251614	-1633	NT_011520.10_16317629	G	A	0.24
<i>EIF3S7</i>	35251702	-1721	rs6519015	G	A	0.26

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>EIF3S7</i>	35251725	-1744	rs8136248	A	G	0.25
<i>EIF3S7</i>	35251920	-1939	rs6000305	G	A	0.28
<i>PVALB</i>	35540258	-316	rs2001064	C	G	0.3
<i>PVALB</i>	35540982	-1040	rs2267362	C	G	0.32
<i>PVALB</i>	35541672	-1730	rs2213429	C	T	0.18
<i>NCF4</i>	35579121	-1963	rs9680702	G	A	0.2
<i>NCF4</i>	35579375	-1709	NT_011520.10_16645390	G	T	0.01
<i>NCF4</i>	35580042	-1042	rs9607387	T	C	0.48
<i>NCF4</i>	35580353	-731	rs4820258	T	C	0.22
<i>NCF4</i>	35580851	-233	rs9607388	G	T	0.15
<i>NCF4</i>	35580976	-108	rs10854694	G	A	0.4
<i>CSF2RB</i>	35640541	-2034	rs9607398	C	T	0.39
<i>CSF2RB</i>	35640625	-1950	rs5750338	A	G	0.5
<i>CSF2RB</i>	35640633	-1942	NT_011520.10_16706648	G	A	0.1
<i>CSF2RB</i>	35640888	-1687	rs4821567	T	G	0.46
<i>CSF2RB</i>	35640976	-1599	rs4821568	T	C	0.46
<i>CSF2RB</i>	35641373	-1202	rs4821569	A	G	0.45
<i>CSF2RB</i>	35641449	-1126	rs4820261	G	A	0.45
<i>CSF2RB</i>	35641609	-966	rs4820262	T	C	0.45
<i>CSF2RB</i>	35642348	-227	rs5756408	T	C	0.47
<i>CSF2RB</i>	35642414	-161	NT_011520.10_16708429	C	T	0.03
<i>CSF2RB</i>	35642514	-61	rs10222238	G	T	0.47
<i>CSF2RB</i>	35642533	-42	NT_011520.10_16708548	C	T	0.02
<i>OTTHUMG00000030172</i>	35728749	-379	rs5756471	G	A	0.41

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>OTTHUMG00000030172</i>	35728909	-539	rs6000531	G	C	0.03
<i>OTTHUMG00000030172</i>	35729337	-967	rs6000532	G	A	0.44
<i>OTTHUMG00000030172</i>	35729710	-1340	rs130597	C	G	0.06
<i>OTTHUMG00000030172</i>	35729908	-1538	NT_011520.10_16795923	G	T	0.23
<i>OTTHUMG00000030172</i>	35729917	-1547	rs5756474	A	G	0.5
<i>OTTHUMG00000030172</i>	35729941	-1571	rs5756475	G	A	0.48
<i>OTTHUMG00000030172</i>	35730130	-1760	rs9610629	T	C	0.48
<i>OTTHUMG00000030172</i>	35730171	-1801	NT_011520.10_16796186	C	T	0.11
<i>OTTHUMG00000030172</i>	35730365	-1995	rs9610630	T	C	0.42
<i>MPst</i>	35743720	-965	rs4821585	G	T	0.4
<i>MPst</i>	35743775	-910	rs10427747	C	T	0.06
<i>MPst</i>	35743842	-843	rs10427778	T	C	0.06
<i>MPst</i>	35743977	-708	NT_011520.10_16809992	G	A	0.01
<i>MPst</i>	35744037	-648	NT_011520.10_16810052	T	C	0.05
<i>MPst</i>	35744082	-603	rs10427757	A	G	0.04
<i>MPst</i>	35744623	-62	rs11704682	C	G	0.16
<i>KCTD17</i>	35771546	-569	rs11913810	G	C	0.08
<i>TMPRSS6</i>	35830910	-699	rs228917	T	C	0.46
<i>TMPRSS6</i>	35831347	-1136	rs228920	T	C	0.45
<i>TMPRSS6</i>	35831362	-1151	rs2092169	C	T	0.14
<i>TMPRSS6</i>	35831376	-1165	rs228921	G	A	0.39
<i>TMPRSS6</i>	35831492	-1281	rs228922	C	T	0.41
<i>TMPRSS6</i>	35831519	-1308	rs1861947	G	A	0.16
<i>CIQTNF6</i>	35909186	-362	NT_011520.10_16975201	G	C	0.03

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>CIQTNF6</i>	35909596	-772	rs6000600	T	C	0.07
<i>CIQTNF6</i>	35909738	-914	NT_011520.10_16975753	G	A	0.01
<i>CIQTNF6</i>	35910236	-1412	rs10427849	C	T	0.43
<i>RAC2</i>	35965910	-1104	rs5995406	T	C	0.32
<i>RAC2</i>	35965940	-1134	rs5995407	T	C	0.02
<i>RAC2</i>	35966124	-1318	rs7292284	A	G	0.32
<i>PSCD4</i>	36001167	-1756	rs5756586	C	G	0.27
<i>PSCD4</i>	36001892	-1031	rs2267363	T	G	0.34
<i>PSCD4</i>	36001904	-1019	rs2267364	C	T	0.34
<i>PSCD4</i>	36001990	-933	rs6000649	T	C	0.47
<i>PSCD4</i>	36002219	-704	rs727047	G	A	0.25
<i>PSCD4</i>	36002392	-531	rs727048	C	T	0.17
<i>PSCD4</i>	36002596	-327	rs11705401	G	A	0.29
<i>PSCD4</i>	36002704	-219	rs5756587	T	C	0.48
<i>PSCD4</i>	36002825	-98	rs3213554	T	C	0.41
<i>PSCD4</i>	36002878	-45	rs3213555	A	G	0.45
<i>KIAA1904</i>	36096485	-408	rs4821653	G	A	0.39
<i>KIAA1904</i>	36097369	-1292	rs4821654	T	G	0.25
<i>MFNG</i>	36207059	-112	rs2071839	T	C	0.09
<i>MFNG</i>	36207231	-284	rs11089844	C	T	0.09
<i>MFNG</i>	36208358	-1411	rs3761441	T	C	0.09
<i>CARD10</i>	36240605	-722	NT_011520.10_17306620	T	C	0.02
<i>CARD10</i>	36240613	-730	NT_011520.10_17306628	T	C	0.01
<i>CARD10</i>	36240617	-734	NT_011520.10_17306632	A	G	0.01

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>CDC42EP1</i>	36279697	-1293	rs7284657	A	G	0.26
<i>SH3BP1</i>	36358351	-1822	NT_011520.10_17424366	C	G	0.03
<i>SH3BP1</i>	36358410	-1763	rs7289275	C	T	0.06
<i>SH3BP1</i>	36358650	-1523	rs13058685	A	G	0.05
<i>PDXP</i>	36378409	-824	NT_011520.10_17444424	C	T	0.4
<i>PDXP</i>	36378417	-816	NT_011520.10_17444432	G	A	0.01
<i>PDXP</i>	36378538	-695	NT_011520.10_17444553	A	G	0.32
<i>PDXP</i>	36378762	-471	rs9622677	A	C	0.38
<i>PDXP</i>	36378825	-408	rs7287340	C	T	0.37
<i>MGC3731</i>	36405089	-1754	rs7286269	C	T	0.26
<i>MGC3731</i>	36405119	-1724	rs9610831	G	A	0.39
<i>MGC3731</i>	36406071	-772	rs5756764	G	C	0.25
<i>MGC3731</i>	36406247	-596	rs5750472	A	C	0.27
<i>HIF0</i>	36523554	-2059	rs12160750	A	G	0.36
<i>HIF0</i>	36523864	-1749	rs6000897	G	A	0.11
<i>HIF0</i>	36524450	-1163	rs5756825	T	C	0.5
<i>HIF0</i>	36524624	-989	rs11703407	C	T	0.29
<i>GCAT</i>	36526899	-1538	rs6000898	T	C	0.34
<i>GCAT</i>	36527052	-1385	rs1894644	C	T	0.18
<i>GCAT</i>	36527142	-1295	rs1894645	T	G	0.11
<i>GCAT</i>	36527234	-1203	rs1894646	C	G	0.15
<i>GALR3</i>	36542435	-1453	rs5995502	T	C	0.44
<i>GALR3</i>	36543137	-751	rs7290156	T	C	0.42
<i>GALR3</i>	36543752	-136	NT_011520.10_17609767	T	C	0.02

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>OTTHUMG00000030664</i>	36565932	-996	rs6000905	G	A	0.45
<i>EIF3S6IP</i>	36568490	-884	rs5756836	G	A	0.07
<i>EIF3S6IP</i>	36568716	-658	rs4821721	T	C	0.07
<i>MICAL-L1</i>	36624974	-1907	rs4346487	T	C	0.43
<i>MICAL-L1</i>	36625467	-1414	rs4821723	A	T	0.38
<i>C22orf23</i>	36675400	-1248	NT_011520.10_17741415	G	T	0.02
<i>SOX10</i>	36706804	-1725	rs12170378	G	A	0.06
<i>PRKCABP</i>	36776754	-945	rs742396	G	C	0.38
<i>PRKCABP</i>	36776796	-903	NT_011520.10_17842811	G	A	0.01
<i>PRKCABP</i>	36776865	-834	rs737662	C	G	0.28
<i>PRKCABP</i>	36776982	-717	rs17555334	G	A	0.29
<i>PRKCABP</i>	36777635	-64	rs11089858	G	A	0.01
<i>SLC16A8</i>	36804507	-860	NT_011520.10_17870522	C	T	0.13
<i>BAIAP2L2</i>	36831547	-402	rs5756916	G	A	0.38
<i>PLA2G6</i>	36903894	-1633	rs4821752	A	G	0.4
<i>PLA2G6</i>	36904069	-1808	rs4820321	T	A	0.33
<i>MAFF</i>	36920600	-1897	rs9607517	A	G	0.48
<i>C22orf5</i>	36994388	-894	rs11705672	T	A	0.28
<i>CSNK1E</i>	37039722	-1937	rs1997644	A	G	0.3
<i>PGEA1</i>	37377067	-77	rs9622836	T	C	0.01
<i>GTPBP1</i>	37425045	-1423	rs7291524	C	T	0.03
<i>GTPBP1</i>	37425146	-1322	NT_011520.10_18491161	A	G	0.02
<i>GTPBP1</i>	37425167	-1301	NT_011520.10_18491182	A	G	0.01
<i>GTPBP1</i>	37426119	-349	rs2267393	G	C	0.34

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>GTPBP1</i>	37426133	-335	rs2267394	T	C	0.31
<i>UNC84B</i>	37476912	-512	rs7284966	A	G	0.38
<i>DNAL4</i>	37515324	-653	rs4821825	T	C	0.06
<i>APOBEC3B</i>	37817263	-455	rs113023	C	T	0.44
<i>APOBEC3B</i>	37817751	33	NT_011520.10_18883766	T	A	0.05
<i>CBX7</i>	37873673	-520	NT_011520.10_18939688	C	T	0.11
<i>CBX7</i>	37873833	-680	NT_011520.10_18939848	C	T	0.1
<i>CBX7</i>	37873926	-773	rs12158877	T	G	0.39
<i>CBX7</i>	37874026	-873	rs139405	C	A	0.38
<i>MAP3K7IP1</i>	38119728	-443	rs5750813	C	G	0.4
<i>MAP3K7IP1</i>	38120183	12	rs4821892	C	G	0.34
<i>MGAT3</i>	38176084	-1764	rs5757684	A	G	0.26
<i>MGAT3</i>	38176470	-1378	rs1557541	A	C	0.27
<i>MGAT3</i>	38176850	-998	rs1557542	C	G	0.17
<i>FLJ20232</i>	38221663	-1112	rs7287617	A	G	0.41
<i>FLJ20232</i>	38221913	-862	NT_011520.10_19287928	G	A	0.01
<i>FLJ20232</i>	38222292	-483	rs2294360	G	A	0.29
<i>FLJ20232</i>	38222349	-426	NT_011520.10_19288364	G	T	0.18
<i>RPS19BP1</i>	38254446	-1160	rs1109793	T	C	0.25
<i>RPS19BP1</i>	38254697	-1411	rs2413595	T	C	0.5
<i>CACNA1I</i>	38277133	-1177	rs5757726	G	C	0.14
<i>FAM83F</i>	38713843	-1703	rs9611241	A	G	0.28
<i>FAM83F</i>	38714352	-1194	NT_011520.10_19780367	C	T	0.06
<i>FAM83F</i>	38714359	-1187	NT_011520.10_19780374	C	T	0.09

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>FAM83F</i>	38714738	-808	rs28607928	G	A	0.3
<i>ADSL</i>	39065844	-1150	rs12484610	T	C	0.22
<i>MKL1</i>	39357363	-151	rs4140512	A	G	0.15
<i>MKL1</i>	39358209	-997	rs6001989	G	A	0.38
<i>MKL1</i>	39358215	-1003	rs5758029	A	G	0.25
<i>MKL1</i>	39358221	-1009	rs10582736	G	A	0.15
<i>GPR24</i>	39399345	-291	NT_011520.10_20465360	T	A	0.01
<i>GPR24</i>	39399458	-178	NT_011520.10_20465473	T	C	0.01
<i>EP300</i>	39811718	-471	rs5995992	T	C	0.38
<i>EP300</i>	39811844	-345	rs4822002	A	G	0.37
<i>RANGAP1</i>	40006803	-76	NT_011520.10_21072818	T	A	0.04
<i>RANGAP1</i>	40007644	-917	rs11704524	G	C	0.13
<i>RANGAP1</i>	40008306	-1579	rs1969666	A	C	0.4
<i>RANGAP1</i>	40008503	-1776	rs6002312	A	T	0.34
<i>RANGAP1</i>	40008593	-1866	rs1535048	C	T	0.4
<i>ZC3H7B</i>	40020472	-1613	NT_011520.10_21086487	G	T	0.01
<i>TEF</i>	40100953	-1511	NT_011520.10_21166968	C	T	0.03
<i>TEF</i>	40101115	-1349	NT_011520.10_21167130	A	C	0.01
<i>TEF</i>	40101146	-1318	rs4822025	G	C	0.22
<i>PHF5A</i>	40189834	-619	NT_011520.10_21255849	G	A	0.04
<i>PHF5A</i>	40189892	-677	NT_011520.10_21255907	C	G	0.01
<i>PHF5A</i>	40190309	-1094	rs19573	A	C	0.19
<i>POLR3H</i>	40265372	-235	rs5758387	G	A	0.08
<i>POLR3H</i>	40265979	-842	rs9607813	G	A	0.04

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>CSDC2</i>	40281444	-59	NT_011520.10_21347459	G	A	0.11
<i>XRCC6</i>	40340265	-1493	rs5751129	T	C	0.22
<i>XRCC6</i>	40341026	-732	rs28384701	C	T	0.02
<i>OTTHUMG00000030205</i>	40409136	-1535	NT_011520.10_21475151	G	C	0.01
<i>MEI1</i>	40419640	-362	rs2003816	G	T	0.23
<i>MEI1</i>	40419964	-38	rs743832	C	T	0.04
<i>FLJ22349</i>	40519910	-1201	rs139561	T	C	0.21
<i>FLJ22349</i>	40520967	-144	rs738248	G	A	0.32
<i>FLJ22349</i>	40521184	73	rs139562	G	C	0.18
<i>SREBF2</i>	40551650	-1952	NT_011520.10_21617665	A	G	0.08
<i>SREBF2</i>	40552656	-946	NT_011520.10_21618671	T	C	0.08
<i>SREBF2</i>	40552891	-711	NT_011520.10_21618906	A	C	0.01
<i>SREBF2</i>	40553592	-10	NT_011520.10_21619607	G	C	0.12
<i>TNFRSF13C</i>	40648413	-1133	rs5996088	C	T	0.07
<i>TNFRSF13C</i>	40648625	-1345	NT_011520.10_21714640	G	T	0.01
<i>TNFRSF13C</i>	40648963	-1683	NT_011520.10_21714978	G	A	0.09
<i>TNFRSF13C</i>	40649021	-1741	NT_011520.10_21715036	G	C	0.09
<i>TNFRSF13C</i>	40649122	-1842	rs12158335	T	G	0.25
<i>TNFRSF13C</i>	40649200	-1920	NT_011520.10_21715215	T	C	0.09
<i>TNFRSF13C</i>	40649225	-1945	NT_011520.10_21715240	G	A	0.03
<i>OTTHUMG00000030501</i>	40666434	-1853	NT_011520.10_21732449	A	G	0.07
<i>OTTHUMG00000030501</i>	40666577	-1710	NT_011520.10_21732592	C	T	0.01
<i>OTTHUMG00000030501</i>	40667265	-1022	rs3752592	G	T	0.12
<i>OTTHUMG00000030501</i>	40667370	-917	NT_011520.10_21733385	C	G	0.1

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>OTTHUMG00000030501</i>	40667591	-696	rs6002555	G	A	0.26
<i>C22orf18</i>	40668667	-896	NT_011520.10_21734682	T	C	0.01
<i>C22orf18</i>	40668797	-1026	rs8140869	G	A	0.26
<i>C22orf18</i>	40668908	-1137	rs5996092	G	A	0.47
<i>SEPT3</i>	40695491	-1946	rs5751191	T	C	0.39
<i>SEPT3</i>	40695833	-1604	rs4820451	C	T	0.25
<i>MGC26816</i>	40717311	-1959	rs1062753	G	A	0.32
<i>NAGA</i>	40791405	-61	rs133376	C	T	0.37
<i>NAGA</i>	40792195	-851	rs6519305	C	G	0.35
<i>NAGA</i>	40793035	-1691	rs133379	A	G	0.46
<i>FAM109B</i>	40794563	-198	NT_011520.10_21860578	C	T	0.04
<i>FAM109B</i>	40794817	56	rs13057094	C	T	0.37
<i>OTTHUMG00000030175</i>	40798638	-1556	rs1807494	C	G	0.33
<i>OTTHUMG00000030175</i>	40800068	-126	rs8135801	A	G	0.28
<i>OTTHUMG00000030175</i>	40800203	9	rs2269524	T	G	0.29
<i>AK123630</i>	40809792	-1725	rs4147640	T	C	0.35
<i>AK123630</i>	40809855	-1662	NT_011520.10_21875870	C	T	0.01
<i>AK123630</i>	40810171	-1346	rs2284087	C	T	0.37
<i>AK123630</i>	40811223	-294	rs1801311	G	A	0.36
<i>AK123630</i>	40811261	-256	NT_011520.10_21877276	T	G	0.01
<i>NDUFA6</i>	40812400	-939	rs4147638	G	A	0.35
<i>TCF20</i>	40936906	-962	rs5758652	T	C	0.18
<i>CGI-96</i>	41240713	-116	rs5758781	C	G	0.46
<i>CGI-96</i>	41241652	-1055	rs7287384	C	T	0.26

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>SERHL</i>	41273947	-450	NT_011520.10_22339962	G	A	0.2
<i>POLDIP3</i>	41335744	-281	rs137114	C	T	0.09
<i>POLDIP3</i>	41335901	-438	rs137115	C	T	0.16
<i>CYB5R3</i>	41371015	-1116	rs11705269	G	A	0.35
<i>CYB5R3</i>	41371205	-1306	rs6002862	C	T	0.46
<i>A4GALT</i>	41417284	-1149	rs3761462	C	T	0.42
<i>A4GALT</i>	41417349	-1214	rs130396	A	C	0.22
<i>A4GALT</i>	41417641	-1506	rs130397	T	C	0.17
<i>A4GALT</i>	41417687	-1552	NT_011520.10_22483702	T	A	0.06
<i>A4GALT</i>	41417794	-1659	rs3761465	G	T	0.06
<i>A4GALT</i>	41417955	-1820	rs916231	G	A	0.11
<i>A4GALT</i>	41418094	-1959	rs135108	G	A	0.08
<i>PACSIN2</i>	41736385	-709	rs5759095	A	C	0.35
<i>BIK</i>	41829086	-2019	rs2013863	T	C	0.34
<i>BIK</i>	41829569	-1536	rs4988360	C	T	0.25
<i>BIK</i>	41829641	-1464	NT_011520.10_22895656	A	G	0.04
<i>BIK</i>	41829655	-1450	rs4988362	A	G	0.37
<i>BIK</i>	41829942	-1163	rs11574525	C	A	0.07
<i>MT</i>	41864149	-249	rs5759182	A	G	0.11
<i>MT</i>	41865671	-1771	rs926329	C	T	0.48
<i>TTLL12</i>	41908653	-1050	NT_011520.10_22974668	A	C	0.01
<i>TTLL12</i>	41908727	-1124	rs138957	T	G	0.31
<i>TTLL12</i>	41908745	-1142	NT_011520.10_22974760	A	G	0.01
<i>TTLL12</i>	41908779	-1176	rs138958	T	G	0.32

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>TLLI2</i>	41908910	-1307	NT_011520.10_22974925	A	G	0.04
<i>TLLI2</i>	41909129	-1526	rs138959	A	G	0.28
<i>TLLI2</i>	41909209	-1606	rs7286832	C	T	0.06
<i>TLLI2</i>	41909473	-1870	NT_011520.10_22975488	C	T	0.03
<i>SCUBE1</i>	42064564	-741	rs2859446	C	T	0.13
<i>SCUBE1</i>	42064589	-766	NT_011520.10_23130604	G	C	0.03
<i>SCUBE1</i>	42064742	-919	rs2744880	T	C	0.47
<i>SCUBE1</i>	42065635	-1812	NT_011520.10_23131650	C	T	0.04
<i>SCUBE1</i>	42065684	-1861	NT_011520.10_23131699	C	T	0.01
<i>MPPED1</i>	42130698	-1294	NT_011520.10_23196713	C	G	0.06
<i>MPPED1</i>	42131452	-540	rs5759322	G	T	0.2
<i>FLJ2358</i>	42534189	-1073	rs5764317	T	G	0.16
<i>SULT4A1</i>	42585073	-1839	rs138111	G	A	0.05
<i>PNPLA5</i>	42613207	-418	rs11913819	G	C	0.05
<i>PNPLA5</i>	42614724	-1935	NT_011521.3_393437	G	A	0.1
<i>ADPN</i>	42643599	-920	NT_011521.3_422312	A	G	0.01
<i>SAMM50</i>	42675318	-862	rs1474746	G	C	0.37
<i>SAMM50</i>	42676159	-21	NT_011521.3_454872	A	C	0.01
<i>PARVG</i>	42900039	-1718	rs139122	G	C	0.47
<i>PARVG</i>	42900479	-1278	rs878405	G	C	0.32
<i>PARVG</i>	42900769	-988	rs3747208	A	G	0.14
<i>PARVG</i>	42900986	-771	rs3747209	G	A	0.41
<i>PARVG</i>	42901033	-724	rs139124	G	A	0.35
<i>PARVG</i>	42901114	-643	rs139125	G	C	0.48

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>PARVG</i>	42901521	-236	NT_011521.3_680234	T	A	0.01
<i>PARVG</i>	42901556	-201	rs7287117	G	A	0.02
<i>BC104183</i>	43019513	-1950	rs8140742	A	T	0.48
<i>LDOCIL</i>	43215940	-1729	NT_011522.5_161984	G	A	0.03
<i>LDOCIL</i>	43216104	-1893	rs131167	G	A	0.43
<i>ARHGAP8</i>	43416759	-1911	rs5765914	A	G	0.33
<i>ARHGAP8</i>	43417386	-1284	rs5765915	G	C	0.25
<i>PHF21B</i>	43726928	-812	rs1997890	G	A	0.43
<i>PHF21B</i>	43726976	-860	rs12169401	A	G	0.05
<i>PHF21B</i>	43727037	-921	NT_011522.5_673081	G	C	0.01
<i>PHF21B</i>	43727064	-948	rs4823435	C	T	0.3
<i>PHF21B</i>	43727070	-954	rs140552	C	T	0.13
<i>PHF21B</i>	43727655	-1539	rs131989	C	T	0.11
<i>NUP50</i>	43879730	-591	rs132846	G	A	0.32
<i>NUP50</i>	43880168	-153	rs132847	G	C	0.31
<i>NUP50</i>	43880278	-43	rs3788634	G	T	0.15
<i>NUP50</i>	43880308	-13	rs132848	A	C	0.3
<i>C22orf9</i>	43958169	-960	rs6007507	C	G	0.44
<i>C22orf9</i>	43958702	-1493	rs6007508	C	T	0.46
<i>C22orf9</i>	43958798	-1589	NT_011522.5_904842	G	A	0.48
<i>C22orf9</i>	43958803	-1594	NT_011522.5_904847	A	G	0.48
<i>C22orf9</i>	43958883	-1674	rs4823286	G	A	0.47
<i>C22orf9</i>	43959072	-1863	rs5766584	T	G	0.43
<i>UPK3A</i>	44001198	-201	rs2742631	C	G	0.42

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>C22orf8</i>	44025165	-1186	rs6007582	G	A	0.07
<i>C22orf8</i>	44025778	-573	rs226503	T	G	0.13
<i>C22orf8</i>	44025920	-431	rs226504	A	T	0.33
<i>RIBC2</i>	44128989	-1131	NT_011522.5_1075033	T	A	0.48
<i>RIBC2</i>	44129732	-388	NT_011522.5_1075776	G	A	0.06
<i>RIBC2</i>	44129999	-121	NT_011522.5_1076043	A	G	0.01
<i>SMC1L2</i>	44130161	-126	rs2272804	C	A	0.37
<i>SMC1L2</i>	44130235	-200	rs2272805	G	A	0.15
<i>ATXN10</i>	44386503	-1712	rs134858	A	G	0.22
<i>ATXN10</i>	44386580	-1635	rs134859	G	C	0.14
<i>FLJ27365</i>	44812355	-1969	NT_011523.10_104548	C	T	0.18
<i>FLJ27365</i>	44812565	-1759	rs3747242	G	C	0.39
<i>FLJ27365</i>	44812956	-1368	rs17576497	G	A	0.17
<i>FLJ27365</i>	44813080	-1244	NT_011523.10_105273	C	A	0.01
<i>FLJ27365</i>	44813105	-1219	rs8136389	A	G	0.34
<i>FLJ27365</i>	44813249	-1075	rs8136639	A	G	0.28
<i>FLJ27365</i>	44813989	-335	rs9615411	T	C	0.27
<i>OTTHUMG00000030672</i>	44967128	-421	rs6008320	T	C	0.22
<i>OTTHUMG00000030672</i>	44967507	-800	rs9627287	A	G	0.02
<i>OTTHUMG00000030672</i>	44967948	-1241	rs8142080	G	T	0.13
<i>OTTHUMG00000030672</i>	44968039	-1332	NT_011523.10_260232	T	C	0.01
<i>OTTHUMG00000030672</i>	44968363	-1656	NT_011523.10_260556	G	A	0.09
<i>OTTHUMG00000030672</i>	44968428	-1721	rs3087501	A	G	0.11
<i>PKDREJ</i>	44980461	-725	rs12167567	G	C	0.14

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>PKDREJ</i>	44980533	-797	NT_011523.10_272726	T	C	0.14
<i>PKDREJ</i>	44980689	-953	NT_011523.10_272882	G	A	0.11
<i>FLJ20699</i>	44982505	-1874	rs7410393	G	A	0.2
<i>FLJ20699</i>	44983536	-843	NT_011523.10_275729	A	G	0.14
<i>OTTHUMG00000030329</i>	45014273	-1151	NT_011523.10_306466	C	T	0.04
<i>TRMU</i>	45050538	-1591	rs9615952	A	T	0.15
<i>TRMU</i>	45050672	-1457	rs7287689	A	G	0.24
<i>TRMU</i>	45051005	-1124	rs6008749	T	A	0.18
<i>TRMU</i>	45051543	-586	rs9615953	C	G	0.16
<i>CELSRI</i>	45255120	-1536	rs1009156	A	G	0.1
<i>CELSRI</i>	45255223	-1639	rs3788728	G	C	0.32
<i>CELSRI</i>	45255332	-1748	rs1883189	G	A	0.33
<i>OTTHUMG00000030404</i>	45328827	-1594	rs138507	C	T	0.06
<i>OTTHUMG00000030404</i>	45328951	-1470	rs138506	C	T	0.2
<i>OTTHUMG00000030404</i>	45329257	-1164	rs138503	T	C	0.15
<i>OTTHUMG00000030404</i>	45329274	-1147	rs138502	T	C	0.17
<i>OTTHUMG00000030404</i>	45330390	-31	rs9917583	C	T	0.2
<i>CERK</i>	45455246	-713	rs7349028	C	T	0.18
<i>CERK</i>	45455373	-840	NT_011523.10_747566	G	C	0.01
<i>CERK</i>	45455724	-1191	rs5769126	A	C	0.46
<i>CERK</i>	45455791	-1258	rs5769127	G	A	0.46
<i>CERK</i>	45456482	-1949	rs801581	C	T	0.32
<i>CERK</i>	45456518	-1985	rs4823874	A	G	0.42
<i>CERK</i>	45456626	-2093	NT_011523.10_748819	C	T	0.29

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>TBC1D22A</i>	45477222	-1832	rs5769136	T	C	0.39
<i>TBC1D22A</i>	45477658	-1396	rs801643	C	T	0.45
<i>TBC1D22A</i>	45477740	-1314	rs5769138	G	C	0.39
<i>TBC1D22A</i>	45478131	-923	rs5769139	C	A	0.41
<i>TBC1D22A</i>	45478698	-356	rs12389	G	A	0.4
<i>TBC1D22A</i>	45478854	-200	rs11703936	C	A	0.06
<i>TBC1D22A</i>	45478963	-91	rs2295441	T	C	0.41
<i>TBC1D22A</i>	45478995	-59	rs801641	C	G	0.04
<i>AK057318</i>	45632453	-20	rs9616151	C	T	0.1
<i>AK057318</i>	45632617	-184	rs9616152	C	T	0.1
<i>AK057318</i>	45632637	-204	NT_011523.10_924830	C	G	0.01
<i>AK057318</i>	45632836	-403	rs9616153	C	T	0.1
<i>AK057318</i>	45633075	-642	NT_011523.10_925268	G	A	0.03
<i>AK057318</i>	45633601	-1168	rs5769244	A	G	0.32
<i>AK057318</i>	45633834	-1401	NT_011523.10_926027	G	A	0.01
<i>AK057318</i>	45633869	-1436	rs5767412	C	T	0.24
<i>AK057318</i>	45634176	-1743	NT_011523.10_926369	C	T	0.01
<i>AK057318</i>	45634407	-1974	NT_011523.10_926600	A	G	0.01
<i>OTTHUMG00000030676</i>	46856280	-1039	rs9637353	C	G	0.4
<i>OTTHUMG00000030676</i>	46856287	-1032	rs2285091	A	G	0.47
<i>OTTHUMG00000030676</i>	46856513	-806	NT_011523.10_2148706	C	T	0.02
<i>OTTHUMG00000030676</i>	46856772	-547	rs135610	C	T	0.05
<i>OTTHUMG00000030676</i>	46856993	-326	rs131132	G	A	0.06
<i>OTTHUMG00000030676</i>	46857192	-127	rs1018793	C	T	0.42

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>OTTHUMG00000030528</i>	47263876	-160	rs6008753	T	C	0.01
<i>OTTHUMG00000030528</i>	47265529	-1813	rs736786	T	C	0.05
<i>OTTHUMG00000030528</i>	47265580	-1864	rs133470	C	A	0.42
<i>FAM19A5</i>	47361959	-1742	rs874087	A	G	0.04
<i>FAM19A5</i>	47362137	-1564	rs9617404	C	T	0.35
<i>FAM19A5</i>	47362321	-1380	rs9617471	C	A	0.34
<i>FAM19A5</i>	47362447	-1254	NT_011525.6_52727	C	A	0.02
<i>FAM19A5</i>	47362666	-1035	rs4925418	G	A	0.18
<i>FAM19A5</i>	47363051	-650	rs9617405	G	A	0.29
<i>FAM19A5</i>	47363409	-292	NT_011525.6_53689	C	T	0.04
<i>FAM19A5</i>	47363493	-208	rs9617406	G	T	0.28
<i>FAM19A5</i>	47363587	-114	rs9617472	C	T	0.3
<i>FAM19A5</i>	47363609	-92	rs9617407	T	C	0.35
<i>BRD1</i>	48540813	-406	NT_011525.6_1231093	C	T	0.13
<i>BRD1</i>	48540887	-480	NT_011525.6_1231167	G	A	0.03
<i>BRD1</i>	48541343	-936	rs138881	G	A	0.09
<i>ZBED4</i>	48567556	-833	rs8139718	G	A	0.02
<i>MOV10L1</i>	48830197	-753	NT_019197.4_102731	A	G	0.37
<i>MOV10L1</i>	48830275	-675	rs4838820	G	A	0.04
<i>PP2447</i>	48924861	-1946	NT_019197.4_197395	G	C	0.14
<i>PP2447</i>	48926539	-268	NT_019197.4_199073	C	G	0.23
<i>SELO</i>	48940379	-1815	rs6712	G	C	0.14
<i>SELO</i>	48940543	-1651	rs2272845	C	G	0.2
<i>SELO</i>	48940567	-1627	NT_019197.4_213101	G	A	0.02

Gene Name	SNP Position (build35)	SNP Position (relative to TSS)	SNP Name	Major Allele	Minor Allele	Minor Allele Frequency
<i>SELO</i>	48941516	-678	rs28668373	G	T	0.33
<i>TUBGCP6</i>	48986753	-877	rs13058062	C	T	0.31
<i>TUBGCP6</i>	48986769	-893	rs5771271	G	A	0.15
<i>TUBGCP6</i>	48986872	-996	rs11553697	T	C	0.01
<i>TUBGCP6</i>	48987165	-1289	rs2294404	G	A	0.12
<i>TUBGCP6</i>	48987204	-1328	NT_019197.4_259738	C	T	0.01
<i>HDAC10</i>	48992779	-490	rs2341111	C	G	0.4
<i>HDAC10</i>	48992915	-626	NT_019197.4_265449	C	A	0.02
<i>HDAC10</i>	48993922	-1633	NT_019197.4_266456	G	A	0.01
<i>SBF1</i>	49205305	-1706	NT_011526.6_135224	C	T	0.01
<i>SBF1</i>	49205429	-1830	rs5770843	C	T	0.16
<i>SBF1</i>	49205466	-1867	NT_011526.6_135385	A	G	0.07
<i>ADM2</i>	49208550	-1578	rs9616854	A	G	0.44
<i>hCAP-H2</i>	49235400	-1376	rs131824	A	G	0.32
<i>hCAP-H2</i>	49235943	-833	NT_011526.6_165862	C	G	0.04
<i>hCAP-H2</i>	49236077	-699	NT_011526.6_165996	G	T	0.01
<i>TMEM153</i>	49237340	-1067	NT_011526.6_167259	T	C	0.01
<i>KLHDC7B</i>	49274852	-1754	NT_011526.6_204771	C	G	0.05
<i>OTTHUMG00000030815</i>	49309855	-1726	NT_011526.6_239774	G	C	0.01
<i>OTTHUMG00000030815</i>	49311402	-179	NT_011526.6_241321	C	A	0.01

Appendix C - SNPs and indels in cloned promoter fragments

The genes are listed in order of occurrence on chromosome 22, from the centromeric to the telomeric end of the q arm.

Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	dbSNP id	Alleles
<i>XKR3</i>	15677594	-458	rs5992556	G/A
<i>XKR3</i>	15677526	-390	rs5994030	G/T
<i>XKR3</i>	15677440	-304	rs5994029	G/A
<i>XKR3</i>	15677390	-254	rs5992555	G/A
<i>XKR3</i>	15677377	-241	rs12484826	G/A
<i>XKR3</i>	15677357	-221	rs5016128	C/T
<i>XKR3</i>	15677328	-192	rs5016127	G/C
<i>XKR3</i>	15677317	-181	rs12484164	G/C
<i>XKR3</i>	15677239	-103	rs2891848	A/T
<i>XKR3</i>	15677067	69		AA/--
<i>SLC25A18</i>	16417644	-64	rs17555265	C/G
<i>BCL2L13</i>	16485756	-479		G/A
<i>BCL2L13</i>	16485985	-250	rs17526598	C/T
<i>BCL2L13</i>	16486110	-125	rs5746448	C/A
<i>PEX26</i>	16934759	-483		G/T
<i>PEX26</i>	16935124	-118	rs462055	C/T
<i>PEX26</i>	16935151	-91		C/T
<i>PEX26</i>	16935165	-77	rs12157958	G/T
<i>DGCR2</i>	17484963	-467	rs17526612	C/T
<i>DGCR2</i>	17484509	-13	rs17526619	C/T
<i>TSSK2</i>	17492088	-305		C/T
<i>TSSK2</i>	17492200	-193		G/A
<i>TSSK2</i>	17492446	53	rs12233351	C/T
<i>DGCR14</i>	17507135	-408		[A] _n
<i>DGCR14</i>	17506949	-222		C/T
<i>DGCR14</i>	17506939	-212	rs1936951	C/T
<i>DGCR14</i>	17506934	-207	rs1936950	T/A
<i>DGCR14</i>	17506933	-206		C/A
<i>DGCR14</i>	17506879	-152	rs737923	C/T
<i>UFD1L</i>	17841440	-70	rs5992403	G/A
<i>CDC45L</i>	17841783	-192	rs13447180	G/T
<i>CDC45L</i>	17841851	-124	rs4141528	C/G
<i>CDC45L</i>	17842057	82		C/A
<i>CLDN5</i>	17887472	-32	rs5748258	G/A
<i>TBX1</i>	18118583	-196		C/T
<i>GNB1L</i>	18217302	-288	rs28451568	C/T
<i>COMT</i>	18303362	-487		T/-
<i>COMT</i>	18303438	-411	rs2020917	C/T
<i>COMT</i>	18303581	-268	rs13306278	C/T
<i>RANBP1</i>	18478960	-513		C/T
<i>RANBP1</i>	18479333	-140		C/T
<i>RANBP1</i>	18479373	-100	rs713982	C/A
<i>RANBP1</i>	18479407	-66	rs2286929	G/T
<i>AK057137</i>	18568149	-324		G/A
<i>AK057137</i>	18568415	-58	rs654389	G/C

<i>ZNF74</i> Gene Name	19072607 SNP Position (build35)	-406 SNP Position (Relative to TSS)	rs17551339 dbSNP id	G/A Alleles
<i>ZNF74</i>	19072807	-206	rs17551346	C/T
<i>PCQAP</i>	19186060	-362		G/A
<i>PIK4CA</i>	19537970	-459	rs17858053	C/T
<i>PIK4CA</i>	19537934	-423	rs1061063	G/A
<i>PIK4CA</i>	19537740	-229		C/G
<i>PIK4CA</i>	19537615	-104		C/T
<i>PIK4CA</i>	19537526	-15		AGGCCGG/-----
<i>UBE2L3</i>	20245975	-524		G/T
<i>UBE2L3</i>	20245981	-518		C/T
<i>UBE2L3</i>	20246020	-479	rs9623962	T/-
<i>PPM1F</i>	20632073	-312	rs412050	G/C
<i>PPM1F</i>	20631935	-174	rs875344	G/A
<i>VPREB1</i>	20923278	-475	rs5757639	G/T
<i>VPREB1</i>	20923297	-456	rs5757640	C/T
<i>VPREB1</i>	20923355	-398	rs6001558	G/A
<i>VPREB1</i>	20923436	-317	rs5757641	G/A
<i>VPREB1</i>	20923611	-142	rs5757643	G/A
<i>VPREB1</i>	20923632	-121		G/A
<i>VPREB1</i>	20923683	-70	rs11574461	G/A
<i>VPREB1</i>	20923848	95		C/A
<i>SUHW1</i>	21199660	-516		C/T
<i>SUHW1</i>	21199606	-462	rs361755	C/G
<i>SUHW1</i>	21199588	-444	rs9607987	G/A
<i>SUHW1</i>	21199565	-421		TTGAGA/-----
<i>SUHW1</i>	21199519	-375	rs362208	C/T
<i>SUHW1</i>	21199397	-253	rs9607986	C/G
<i>SUHW1</i>	21199361	-217	rs9607985	C/G
<i>SUHW1</i>	21199347	-203	rs362241	G/A
<i>SUHW1</i>	21199209	-65	rs4822092	A/T
<i>SUHW1</i>	21199194	-50		G/A
<i>SUHW1</i>	21199092	52	rs361986	C/G
<i>SMARCB1</i>	22453559	-139	rs2073387	G/T
<i>SMARCB1</i>	22453683	-15	rs11704810	G/T
<i>SMARCB1</i>	22453768	70		C/A
<i>CABIN1</i>	22731888	-426	rs9624386	G/C
<i>CABIN1</i>	22732037	-277	rs11090305	C/T
<i>CABIN1</i>	22732077	-237		[CA] _n
<i>CABIN1</i>	22732120	-194		Complex*
<i>CRYBB3</i>	23920110	-268		G/T
<i>HPS4</i>	25204466	62		T/A
<i>SRRIL</i>	25204500	-146	rs13340064	TCTCCCCCGGGGCGCCGCCTC /-----
<i>SRRIL</i>	25204377	-23	rs968425	G/T
<i>MN1b</i>	26712933	-77	rs138644	G/A
<i>MN1b</i>	26712976	-34	rs13057353	C/A
<i>FLJ33814</i>	27493141	-119		G/C
<i>RRP22</i>	28036603	-136		C/T
<i>AP1B1</i>	28109340	-280	rs5752906	C/G
<i>NEFH</i>	28191054	-406		G/A
<i>NEFH</i>	28191316	-144		C/T

<i>NIPSNAP1</i> Gene Name	28302156 SNP Position (build35)	-278 SNP Position (Relative to TSS)	dbSNP id	T/G Alleles
<i>NIPSNAP1</i>	28302132	-254		A/G
<i>ZMAT5</i>	28487886	-297	rs17526577	C/T
<i>ZMAT5</i>	28487684	-95		C/A
<i>HORMAD2</i>	28800825	123	rs6519802	G/T
<i>LIMK2</i>	29932388	-416	rs2073858	G/C
<i>DEPDC5</i>	30474409	-199		G/C
<i>HSPC117</i>	31133091	-297		T/-
<i>HSPC117</i>	31132909	-115	rs17555307	C/T
<i>OTTHUMG00000058273</i>	31185346	-361	rs9609562	G/A
<i>OTTHUMG00000058273</i>	31185189	-204		[GT]n
<i>FBXO7</i>	31194867	-350		C/-
<i>FBXO7</i>	31194868	-349		[G]n
<i>FBXO7</i>	31195128	-89	rs3761435	G/A
<i>HMG2L1</i>	33978027	-5	rs5755674	C/T
<i>TOM1</i>	34020096	-302		C/T
<i>TOM1</i>	34020231	-167	rs17526626	C/-
<i>TOM1</i>	34020356	-42	rs17526640	G/A
<i>MYH9</i>	35108649	-115		C/T
<i>NCF4</i>	35580762	-322	rs11089806	G/A
<i>NCF4</i>	35580851	-233	rs9607388	G/T
<i>NCF4</i>	35580976	-108	rs10854694	G/A
<i>CSF2RB</i>	35642348	-227	rs5756408	C/T
<i>CSF2RB</i>	35642414	-161		C/T
<i>CSF2RB</i>	35642470	-105	rs10222232	G/A
<i>CSF2RB</i>	35642514	-61	rs10222238	G/T
<i>CSF2RB</i>	35642533	-42		C/T
<i>CSF2RB</i>	35642534	-41		G/A
<i>CSF2RB</i>	35642573	-2		C/T
<i>CSF2RB</i>	35642621	46		G/T
<i>OTTHUMG00000030172</i>	35728749	-379	rs5756471	C/T
<i>OTTHUMG00000030172</i>	35728667	-297	rs16997638	G/T
<i>MPst</i>	35744623	-62	rs11704682	G/C
<i>PSCD4</i>	36002449	-474	rs8141057	C/A
<i>PSCD4</i>	36002596	-327	rs11705401	G/A
<i>PSCD4</i>	36002704	-219	rs5756587	C/T
<i>PSCD4</i>	36002824	-99		CGTTTGTT/-----
<i>PSCD4</i>	36002825	-98		[GTTT]n
<i>PSCD4</i>	36002878	-45	rs3213555	G/A
<i>KIAA1904</i>	36096485	-408	rs4821653	C/T
<i>MFNG</i>	36207231	-284	rs11089844	G/A
<i>MFNG</i>	36207059	-112	rs2071839	G/A
<i>PDXP</i>	36378883	-350		C/T
<i>GALR3</i>	36543572	-316		C/-
<i>GALR3</i>	36543752	-136		C/T
<i>PRKCABP</i>	36777635	-64	rs11089858	G/A
<i>C22orf5</i>	36993495	-1		G/A
<i>PGEA1</i>	37376620	-524		C/T
<i>GTPBP1</i>	37426119	-349	rs2267393	C/G
<i>GTPBP1</i>	37426133	-335	rs2267394	C/T
<i>APOEC3B</i>	37817263	-455	rs113023	C/T

<i>APOBEC3B</i> Gene Name	SNP Position (build35)	-366 SNP Position (Relative to TSS)	dbSNP id	C/T Alleles
<i>APOBEC3B</i>	37817352	-366		C/T
<i>APOBEC3B</i>	37817399	-319		C/T
<i>APOBEC3B</i>	37817434	-284		G/A
<i>APOBEC3B</i>	37817748	30		T/C
<i>APOBEC3B</i>	37817751	33		A/T
<i>APOBEC3B</i>	37817794	76		C/T
<i>FLJ20232</i>	38222292	-483	rs2294360	A/G
<i>FLJ20232</i>	38222349	-426		G/T
<i>FLJ20232</i>	38222546	-229		G/A
<i>PHF5A</i>	40189740	-525		C/T
<i>PHF5A</i>	40189357	-142		G/A
<i>OTTHUMG00000030205</i>	40410353	-318		C/A
<i>OTTHUMG00000030205</i>	40410483	-188		[A]n
<i>MEI1</i>	40419563	-439		G/T
<i>MEI1</i>	40419640	-362	rs2003816	G/T
<i>MEI1</i>	40419916	-86		G/A
<i>MEI1</i>	40419964	-38	rs743832	C/T
<i>MEI1</i>	40420043	41	rs6003024	GA/--
<i>FLJ22349</i>	40520811	-300		C/T
<i>FLJ22349</i>	40520859	-252		G/A
<i>FLJ22349</i>	40520967	-144	rs738248	G/A
<i>FLJ22349</i>	40521184	73	rs139562	C/G
<i>SREBF2</i>	40553592	-10		G/C
<i>MGC26816</i>	40719112	-158	rs4822079	C/G
<i>NAGA</i>	40791879	-535		G/A
<i>NAGA</i>	40791480	-136	rs2859438	A/T
<i>NAGA</i>	40791450	-106	rs133377	G/A
<i>NAGA</i>	40791405	-61	rs133376	G/A
<i>OTTHUMG00000030175</i>	40799699	-495		C/T
<i>OTTHUMG00000030175</i>	40799715	-479		C/T
<i>OTTHUMG00000030175</i>	40800068	-126	rs8135801	G/A
<i>OTTHUMG00000030175</i>	40800203	9	rs2269524	G/T
<i>CGI-96</i>	41240889	-292	rs5751295	C/T
<i>CGI-96</i>	41240713	-116	rs5758781	G/C
<i>SERHL</i>	41273912	-485		C/T
<i>SERHL</i>	41273947	-450		G/A
<i>SERHL</i>	41274041	-356		G/C
<i>POLDIP3</i>	41335901	-438	rs137115	G/A
<i>POLDIP3</i>	41335744	-281	rs137114	G/A
<i>MT</i>	41864247	-347		C/A
<i>MT</i>	41864149	-249	rs5759182	C/T
<i>MT</i>	41863929	-29	rs13056026	T/A
<i>MPPED1</i>	42131622	-370		T/C
<i>PNPLA5</i>	42613207	-418	rs11913819	C/G
<i>SAMM50</i>	42675665	-515		C/A
<i>SAMM50</i>	42676159	-21		C/A
<i>PARVG</i>	42901521	-236		T/A
<i>PARVG</i>	42901556	-201	rs7287117	G/A
<i>NUP50</i>	43879802	-519		G/A
<i>NUP50</i>	43879807	-514		C/A
<i>NUP50</i>	43880168	-153	rs132847	G/C

Appendix D - Haplotypes cloned into Gateway-modified pGL3 Basic

The names of the genes are listed in order of occurrence on chromosome 22, from the centromeric to the telomeric end of the q arm. Bold haplotypes are those which are only differentiated from another haplotype by the presence of unconfirmed SNPs. Minor alleles of unconfirmed SNPs are marked with an *. Minor alleles of unconfirmed SNPs that match a dbSNP entry with the same alleles are marked with a §.

Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	Alleles	Haplotype																
				1	2	3	4	5	6	7	8	9	10							
<i>XKR3</i>	15677067	69	AA/--	AA	AA	--	AA													
<i>XKR3</i>	15677239	-103	A/T	A	T	A	A													
<i>XKR3</i>	15677317	-181	G/C	G	C	C	C													
<i>XKR3</i>	15677328	-192	G/C	C	G	C	G													
<i>XKR3</i>	15677357	-221	C/T	C	T	C	T													
<i>XKR3</i>	15677377	-241	G/A	G	A	A	A													
<i>XKR3</i>	15677390	-254	G/A	G	A	G	A													
<i>XKR3</i>	15677440	-304	G/A	G	A	G	A													
<i>XKR3</i>	15677526	-390	G/T	G	T	G	T													
<i>XKR3</i>	15677594	-458	G/A	A	G	A	G													
<i>SLC25A18</i>	16417644	-64	C/G	G	C															
<i>BCL2L13</i>	16485756	-479	G/A	G		A*	G													
<i>BCL2L13</i>	16485985	-250	C/T	C		T	C													
<i>BCL2L13</i>	16486110	-125	C/A	A		A	C													
<i>PEX26</i>	16934759	-483	G/T	G	G	G	G	T*												
<i>PEX26</i>	16935124	-118	C/T	C	T	C	T	T												
<i>PEX26</i>	16935151	-91	C/T	C	T	T	T	T												
<i>PEX26</i>	16935165	-77	G/T	T	G	T	T	G												
<i>DGCR2</i>	17484509	-13	C/T	C§	T	T														
<i>DGCR2</i>	17484963	-467	C/T	T	T	C														
<i>TSSK2</i>	17492088	-305	C/T	T*	C	C	C													
<i>TSSK2</i>	17492200	-193	G/A	A	A	G	A													
<i>TSSK2</i>	17492446	53	C/T	C	T	T	C													

Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	Alleles	Haplotype																
				1	2	3	4	5	6	7	8	9	10							
<i>DGCR14</i>	17506879	-152	C/T	T	C	C	C	C	T	C	T									
<i>DGCR14</i>	17506933	-206	C/A	C	A	C	C	A	C	C	C									
<i>DGCR14</i>	17506934	-207	T/A	T	T	T	T	T	A	A	T									
<i>DGCR14</i>	17506939	-212	C/T	C	C	C	C	C	T	T	C									
<i>DGCR14</i>	17506949	-222	C/T	C	C	C	C	T*	C	C	C									
<i>DGCR14</i>	17507135	-408	[A]n	8	10	9	11	10	10	10	12									
<i>UFDIL</i>	17841440	-70	G/A	A	G															
<i>CDC45L</i>	17841783	-192	G/T	T	T	G	T													
<i>CDC45L</i>	17841851	-124	C/G	G	G	C	C													
<i>CDC45L</i>	17842057	82	C/A	C	C	C	A*													
<i>CLDN5</i>	17887472	-32	G/A	G	A															
<i>TBX1</i>	18118583	-196	C/T	C	T															
<i>GNB1L</i>	18217302	-288	C/T	T	C															
<i>COMT</i>	18303362	-487	T/-		T	T		T	-											
<i>COMT</i>	18303438	-411	C/T		C	T		T	T											
<i>COMT</i>	18303581	-268	C/T		T	C		T	C											
<i>RANBP1</i>	18478960	-513	C/T	C	C	T*	C	C												
<i>RANBP1</i>	18479333	-140	C/T	C	T	T	C	C												
<i>RANBP1</i>	18479373	-100	C/A	A	A	A	C	C												
<i>RANBP1</i>	18479407	-66	G/T	T	T	T	T	G												
<i>OTTHUMG00000030620</i>	18568149	-324	G/A	G	G	A*														
<i>OTTHUMG00000030620</i>	18568415	-58	G/C	C	G	G														
<i>ZNF74</i>	19072607	-406	G/A	A		G		G												
<i>ZNF74</i>	19072807	-206	C/T	C		C		T												
<i>PCQAP</i>	19186060	-362	G/A	G	A															

Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	Alleles	Haplotype											
				1	2	3	4	5	6	7	8	9	10		
<i>PIK4CA</i>	19537526	-15	AGGCGG/-----	in	del	in	in	in							
<i>PIK4CA</i>	19537615	-104	C/T	T	C	C	C	T							
<i>PIK4CA</i>	19537740	-229	C/G	G	C	C	C	C							
<i>PIK4CA</i>	19537934	-423	G/A	G	A [§]	G	A[§]	G							
<i>PIK4CA</i>	19537970	-459	C/T	T	C [§]	T	C[§]	T							
<i>UBE2L3</i>	20245975	-524	G/T	G	G	T[*]									
<i>UBE2L3</i>	20245981	-518	C/T	C	C	T[*]									
<i>UBE2L3</i>	20246020	-479	T/-	T	-	-									
<i>PPM1F</i>	20631935	-174	G/A	A	G										
<i>PPM1F</i>	20632073	-312	G/C	C	G										
<i>VPREB1</i>	20923278	-475	G/T	T	T	G [§]	G[§]	T	G [§]				T		
<i>VPREB1</i>	20923297	-456	C/T	T	T	T	T	C [§]	T				C[§]		
<i>VPREB1</i>	20923355	-398	G/A	G	A	G	G	G	G				G		
<i>VPREB1</i>	20923436	-317	G/A	G	A	G	G	A	A				A		
<i>VPREB1</i>	20923611	-142	G/A	G	G	G	G	G	A				G		
<i>VPREB1</i>	20923632	-121	G/A	G	G	G	A[*]	G	G				G		
<i>VPREB1</i>	20923683	-70	G/A	G	G	A	A	G	G				G		
<i>VPREB1</i>	20923848	95	C/A	A	A	A	A	A	A				C[*]		
<i>SUHW1</i>	21199092	52	C/G	G	G	G	C	G	C	G	G	G			
<i>SUHW1</i>	21199194	-50	G/A	A	A	A	A	A	A	A	G[*]	A			
<i>SUHW1</i>	21199209	-65	A/T	T	A	A	A	T	T	T	T	A			
<i>SUHW1</i>	21199347	-203	G/A	G	G	G	A	G	A	G	G	G			
<i>SUHW1</i>	21199361	-217	C/G	G	G	C	G	C	G	G	C	C			
<i>SUHW1</i>	21199397	-253	C/G	C	C	C	G	C	C	C	C	C			
<i>SUHW1</i>	21199519	-375	C/T	T	T	C	T	C	T	T	C	C			
<i>SUHW1</i>	21199565	-421	TTGAGA/-----	del	del	del	del	in	del	del	in	in			
<i>SUHW1</i>	21199588	-444	G/A	A	A	G	G	G	G	G	G	G			
<i>SUHW1</i>	21199606	-462	C/G	C	C	G	C	C	C	C	C	C			
<i>SUHW1</i>	21199660	-516	C/T	C	C	C	C	C	T [*]	C	C	C			

Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	Alleles	Haplotype											
				1	2	3	4	5	6	7	8	9	10		
<i>SMARCB1</i>	22453559	-139	G/T	T	G		G								
<i>SMARCB1</i>	22453683	-15	G/T	G	G		T								
<i>SMARCB1</i>	22453768	70	C/A	C*	A		A								
<i>OTTHUMG00000030257</i>	22731888	-426	G/C	C	C	C	C	C				G ^s	C		
<i>OTTHUMG00000030257</i>	22732037	-277	C/T	C	C	T	T	T				C	T		
<i>OTTHUMG00000030257</i>	22732077	-237	[CA] _n	34	7	19	18	19				19	14		
<i>OTTHUMG00000030257</i>	22732120	-194	complex	c1	c2	c3	c4	c5				c6	c7		
<i>CRYBB3</i>	23920110	-268	G/T	G	T										
<i>HPS4</i>	25204377	-23	G/T	G	T										
<i>HPS4</i>	25204500	-146	TCTCCCCCGGGGCGCCGCCTC /-----	in	del										
<i>SRRIL</i>	25204466	62	T/A	A*	T*										
<i>MN1</i>	26712933	-77	G/A	A	G	A									
<i>MN1</i>	26712976	-34	C/A	C	A	A									
<i>OTTHUMG00000030143</i>	27493141	-119	G/C	C	G										
<i>RR22_HUMAN</i>	28036603	-136	C/T	T	C										
<i>APIB1</i>	28109340	-280	C/G	G	C										
<i>NEFH</i>	28191054	-406	G/A	A*	G*										
<i>NEFH</i>	28191316	-144	C/T	T	C										
<i>NIPSNAP1</i>	28302132	-254	A/G	A	G										
<i>NIPSNAP1</i>	28302156	-278	T/G	T	G										
<i>ZMAT5</i>	28487684	-95	C/A	A	C	C									
<i>ZMAT5</i>	28487886	-297	C/T	T	C	T									
<i>HORMAD2</i>	28800825	123	G/T	T	G										
<i>LIMK2</i>	29932388	-416	G/C	C	G										
<i>DEPDC5</i>	30474409	-199	G/C	G	C										
<i>HSPC117</i>	31132909	-115	C/T	T	C										
<i>HSPC117</i>	31133091	-297	T/-	T	-										

Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	Alleles	Haplotype											
				1	2	3	4	5	6	7	8	9	10		
<i>OTTHUMG00000058273</i>	31185189	-204	[GT]n	17	17	19	18	16							
<i>OTTHUMG00000058273</i>	31185346	-361	G/A	G	A	G	G	A							
<i>FBXO7</i>	31194867	-350	C/-	C	C	-	-	-							
<i>FBXO7</i>	31194868	-349	[G]n	3	3	3	2	4							
<i>FBXO7</i>	31195128	-89	G/A	A	G	A	A	G							
<i>HMG2L1</i>	33978027	-5	C/T	T	C										
<i>TOM1</i>	34020096	-302	C/T	T	C	T	T								
<i>TOM1</i>	34020231	-167	C/-	-	C	-	C								
<i>TOM1</i>	34020356	-42	G/A	A	G	G	G								
<i>MYH9</i>	35108649	-115	C/T	T	C										
<i>NCF4</i>	35580762	-322	G/A	G	G	A	A								
<i>NCF4</i>	35580851	-233	G/T	G	T	G	G								
<i>NCF4</i>	35580976	-108	G/A	G	G	G	A								
<i>CSF2RB</i>	35642348	-227	C/T	T	C	C	T	T	T	C	T				C
<i>CSF2RB</i>	35642414	-161	C/T	C	C	C	T	C	C	C	T				C
<i>CSF2RB</i>	35642470	-105	G/A	A	G	G	A	A	A	G	A				G
<i>CSF2RB</i>	35642514	-61	G/T	G	T	T	G	G	T	G	G				T
<i>CSF2RB</i>	35642533	-42	C/T	C	C	T	C	C	C	C	C				T
<i>CSF2RB</i>	35642534	-41	G/A	G	G	G	G	G	G	G	G				A*
<i>CSF2RB</i>	35642573	-2	C/T	T	T	T	C*	T	T	T	T				T
<i>CSF2RB</i>	35642621	46	G/T	G	T	T	T	T	T	G	T				T
<i>OTTHUMG00000030172</i>	35728667	-297	G/T	T	G	T									
<i>OTTHUMG00000030172</i>	35728749	-379	C/T	T	C	C									
<i>MPST</i>	35744623	-62	G/C	C	G										

Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	Alleles	Haplotype									
				1	2	3	4	5	6	7	8	9	10
<i>PSCD4</i>	36002449	-474	C/A	C	A	A	C	A	C	C	C	A	C
<i>PSCD4</i>	36002596	-327	G/A	G	G	G	A	G	G	G	G	A	G
<i>PSCD4</i>	36002704	-219	C/T	T	C	C	T	C	C	C	C	T	C
<i>PSCD4</i>	36002824	-99	CGTTTGT/-----	in	del	del	in	in	in	del	in	in	del
<i>PSCD4</i>	36002825	-98	[GTTT]n	8	6	5	7	8	7	6	8	7	6
<i>PSCD4</i>	36002878	-45	G/A	G	A	A	G	G	A	A	G	G	A
<i>OTTHUMG00000030683</i>	36096485	-408	C/T	C		T							
<i>MFNG</i>	36207059	-112	G/A	G	A								
<i>MFNG</i>	36207231	-284	G/A	A	G								
<i>PDXP</i>	36378883	-350	C/T	T*	C*								
<i>GALR3</i>	36543572	-316	C/-	-	-	C							
<i>GALR3</i>	36543752	-136	C/T	C	T	T							
<i>PRKCABP</i>	36777635	-64	G/A	A	G								
<i>C22orf5</i>	36993495	-1	G/A	A*	G*								
<i>PGEA1</i>	37376620	-524	C/T	C*	T*								
<i>GTPBP1</i>	37426119	-349	C/G	G	C								
<i>GTPBP1</i>	37426133	-335	C/T	T	C								
<i>APOBEC3B</i>	37817263	-455	C/T	T		T	T	C	T				
<i>APOBEC3B</i>	37817352	-366	C/T	C		C	T*	C	C				
<i>APOBEC3B</i>	37817399	-319	C/T	T		T	T	T	C				
<i>APOBEC3B</i>	37817434	-284	G/A	A		A	A	A	G				
<i>APOBEC3B</i>	37817748	30	T/C	C		T*	C	C	C				
<i>APOBEC3B</i>	37817751	33	A/T	T		T	A	T	A				
<i>APOBEC3B</i>	37817794	76	C/T	T		T	C*	T	C*				
<i>OTTHUMG00000030194</i>	38222292	-483	A/G	G		A	A	A					
<i>OTTHUMG00000030194</i>	38222349	-426	G/T	G		G	T	T					
<i>OTTHUMG00000030194</i>	38222546	-229	G/A	G		G	G	A*					

Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	Alleles	Haplotype												
				1	2	3	4	5	6	7	8	9	10			
<i>PHF5A</i>	40189357	-142	G/A	A	G*	A										
<i>PHF5A</i>	40189740	-525	C/T	C	C	T*										
<i>OTTHUMG00000030205</i>	40410353	-318	C/A	C	C		A									
<i>OTTHUMG00000030205</i>	40410483	-188	[A]n	18	14		17									
<i>MEI1</i>	40419563	-439	G/T	G	G	G	G		G	T*						
<i>MEI1</i>	40419640	-362	G/T	T	T	T	G		G	T						
<i>MEI1</i>	40419916	-86	G/A	G	G	G	G		A*	G						
<i>MEI1</i>	40419964	-38	C/T	C	T	C	C		C	C						
<i>MEI1</i>	40420043	41	GA/--	--	--	GA	--		--	GA						
<i>OTTHUMG00000030087</i>	40520811	-300	C/T	T*	C	C	C	C								
<i>OTTHUMG00000030087</i>	40520859	-252	G/A	G	A*	G	G	G								
<i>OTTHUMG00000030087</i>	40520967	-144	G/A	G	G	G	A	G								
<i>OTTHUMG00000030087</i>	40521184	73	C/G	G	G	G	G	C								
<i>SREBF2</i>	40553592	-10	G/C	G	C											
<i>OTTHUMG00000030498</i>	40719112	-158	C/G	G	C											
<i>NAGA</i>	40791405	-61	G/A	G	G	A	A									
<i>NAGA</i>	40791450	-106	G/A	G	A	A	A									
<i>NAGA</i>	40791480	-136	A/T	T	A	A	A									
<i>NAGA</i>	40791879	-535	G/A	G	G	G	A*									
<i>OTTHUMG00000030175</i>	40799699	-495	C/T	T	T	T	C*	T								
<i>OTTHUMG00000030175</i>	40799715	-479	C/T	T	T	T	T	C*								
<i>OTTHUMG00000030175</i>	40800068	-126	G/A	A	G	G	G	G								
<i>OTTHUMG00000030175</i>	40800203	9	G/T	T	T	G	G	G								
<i>OTTHUMG00000030384</i>	41240713	-116	G/C	C	G			C								
<i>OTTHUMG00000030384</i>	41240889	-292	C/T	T	T			C								
<i>SERHL</i>	41273912	-485	C/T	C	C	T*										
<i>SERHL</i>	41273947	-450	G/A	G	A	G										
<i>SERHL</i>	41274041	-356	G/C	C	G*	C										

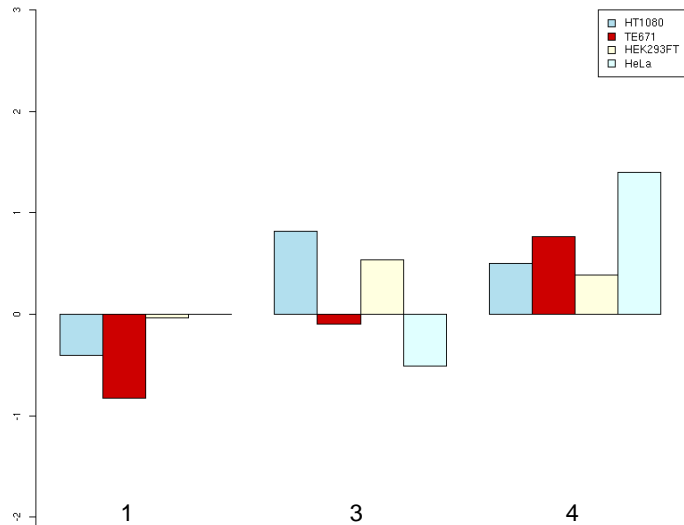
Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	Alleles	Haplotype																
				1	2	3	4	5	6	7	8	9	10							
<i>POLDIP3</i>	41335744	-281	G/A	G	G	A	A													
<i>POLDIP3</i>	41335901	-438	G/A	A	G	G	A													
<i>OTTHUMG00000030962</i>	41863929	-29	T/A	T	T	A	T													
<i>OTTHUMG00000030962</i>	41864149	-249	C/T	T	C	T	T													
<i>OTTHUMG00000030962</i>	41864247	-347	C/A	C	C	C	A*													
<i>MPPED1</i>	42131622	-370	T/C	C*	T*															
<i>PNPLA5</i>	42613207	-418	C/G	G	C															
<i>SAMM50</i>	42675665	-515	C/A	C	A*	C														
<i>SAMM50</i>	42676159	-21	C/A	A	C	C														
<i>PARVG</i>	42901521	-236	T/A	T		A	T													
<i>PARVG</i>	42901556	-201	G/A	G		A	A													
<i>NUP50</i>	43879802	-519	G/A	A	A	A	A	A	G*											
<i>NUP50</i>	43879807	-514	C/A	A	A	A	A	C*	A											
<i>NUP50</i>	43880168	-153	G/C	G	G	C	C	C	G											
<i>NUP50</i>	43880278	-43	G/T	G	T	G	G	G	G											
<i>NUP50</i>	43880308	-13	C/A	A	A	A	C	C	C											
<i>UPK3A</i>	44001021	-378	G/T	G		T*	G													
<i>UPK3A</i>	44001198	-201	G/A	G		G	A													
<i>C22orf8</i>	44025920	-431	A/T	A	T															
<i>C22orf8</i>	44026241	-110	GGGCG/-----	in	del															
<i>RIBC2</i>	44129732	-388	G/A	A	G	G	A	G												
<i>RIBC2</i>	44129999	-121	G/A	A	A	G	A	A												
<i>RIBC2</i>	44130161	41	C/A	C	C	A	A	A												
<i>SMC1L2</i>	44129995	40	G/A	G	G	A*	G	G	G	G										
<i>SMC1L2</i>	44130161	-126	G/T	T	G	T	G	T	T	G										
<i>SMC1L2</i>	44130235	-200	C/T	T	T	T	C	T	C	C										
<i>SMC1L2</i>	44130284	-249	G/A	A	A	A	G*	A	A	A										
<i>SMC1L2</i>	44130303	-268	G/A	A*	G	G	G	G	G	G										
<i>SMC1L2</i>	44130393	-358	C/T	C	C	T*	C	C	C	C										

Gene Name	SNP Position (build35)	SNP Position (Relative to TSS)	Alleles	Haplotype																
				1	2	3	4	5	6	7	8	9	10							
<i>OTTHUMG00000030109</i>	44813989	-335	C/T	T	T	C	T													
<i>OTTHUMG00000030109</i>	44814307	-17	C/T	C*	T	T	T													
<i>OTTHUMG00000030109</i>	44814371	47	C/T	T	T	C	C													
<i>OTTHUMG00000030672</i>	44966694	13	G/A	G	A*	G														
<i>OTTHUMG00000030672</i>	44967128	-421	G/A	A	A	G														
<i>PKDREJ</i>	44979705	31	G/T	G*	T	T														
<i>PKDREJ</i>	44979778	-42	G/A	G	A*	G														
<i>PKDREJ</i>	44980195	-459	CAAA/----	in	in	del														
<i>TBC1D22A</i>	45478698	-356	G/A	G	G	G	G	A												
<i>TBC1D22A</i>	45478854	-200	C/A	C	C	C	A	C												
<i>TBC1D22A</i>	45478963	-91	C/T	T	T	C	T	C												
<i>TBC1D22A</i>	45478995	-59	G/C	G	C	C	C	C												
<i>AK057318</i>	45632453	-20	G/A		A	G	A	G	A											
<i>AK057318</i>	45632617	-184	G/A		A	G	G	G	G											
<i>AK057318</i>	45632637	-204	G/C		G	C	G	G	C											
<i>AK057318</i>	45632836	-403	G/A		A	G	G	G	G											

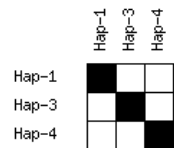
Appendix E - Luciferase reporter assay results and sequence-confirmed haplotypes

This appendix contains the results of the luciferase reporter assays on the library of 293 cloned promoter haplotypes. Only promoters that were active in at least one of the four cell lines are shown. Each promoter is presented in a separate panel with a bar chart showing the Z score for each cell line, calculated as described in section 4.1.12. The results of the Tukey's HSD tests for the haplotypes in each cell line are shown as four separate matrices, with the coloured cells in each matrix representing a comparison of a pair of haplotypes. Green shaded cells indicate that the activity of the haplotype in the row is significantly higher than that of the haplotype in the corresponding column. Red shading indicates significantly lower activity using the same orientation. Pale green and red shading have the same meaning, but are for comparisons where one of the two haplotypes fell below the 7x activity threshold. The diagonal of each matrix shows the activity level of the haplotype, with black cells indicating active haplotypes and grey cells indicating inactive haplotypes. White cells signify no reproducibly significant activity level differences between the two haplotypes. Significance was inferred as described in section 4.1.12.

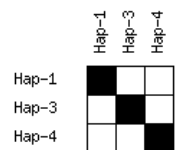
P5 – BCL2L13



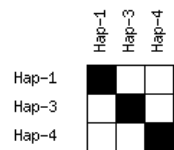
HT1080 – P5



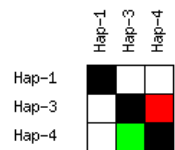
TE671 – P5



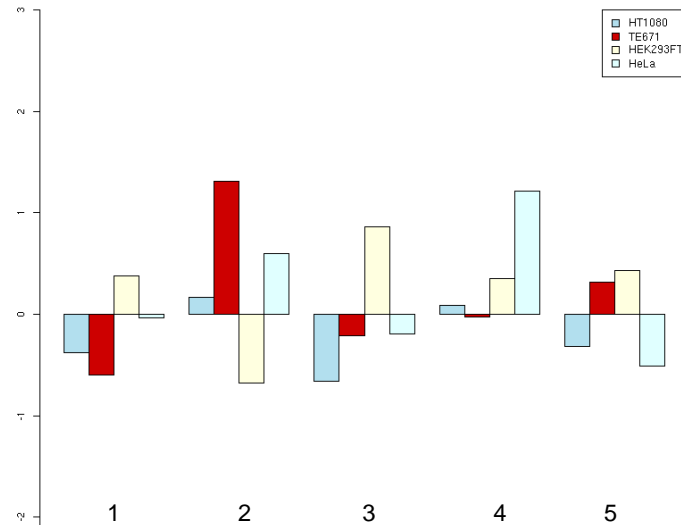
HEK293 – P5



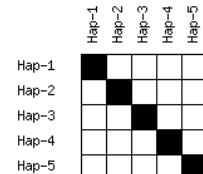
HeLa – P5



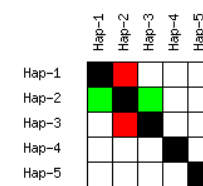
P7 – PEX26



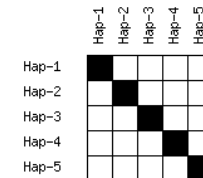
HT1080 – P7



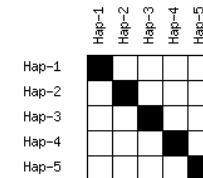
TE671 – P7



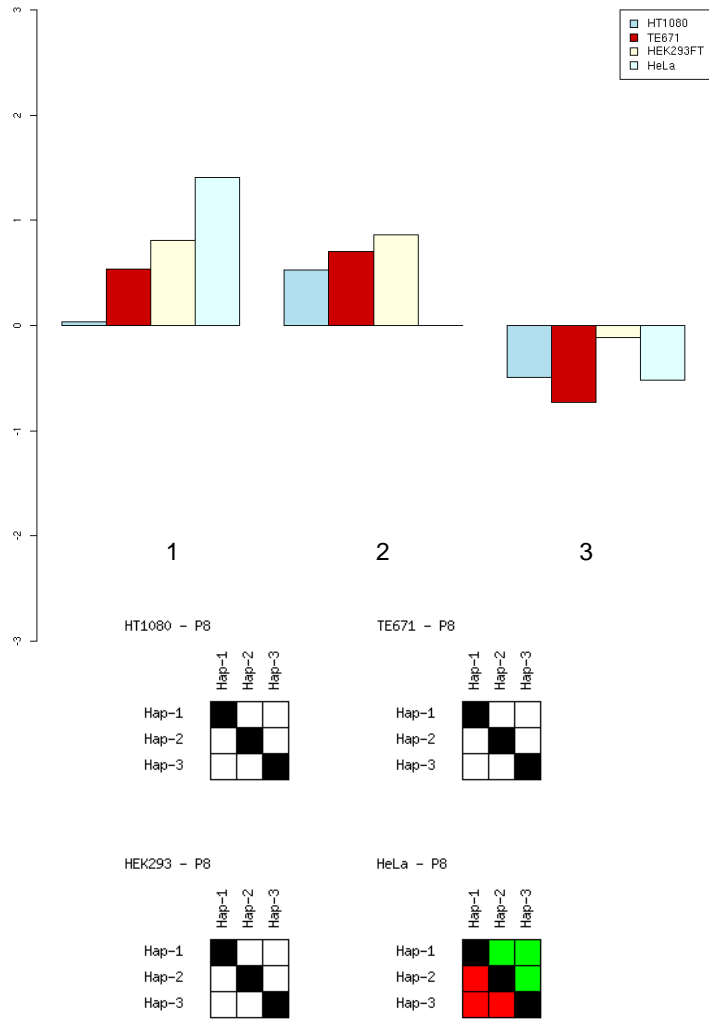
HEK293 – P7



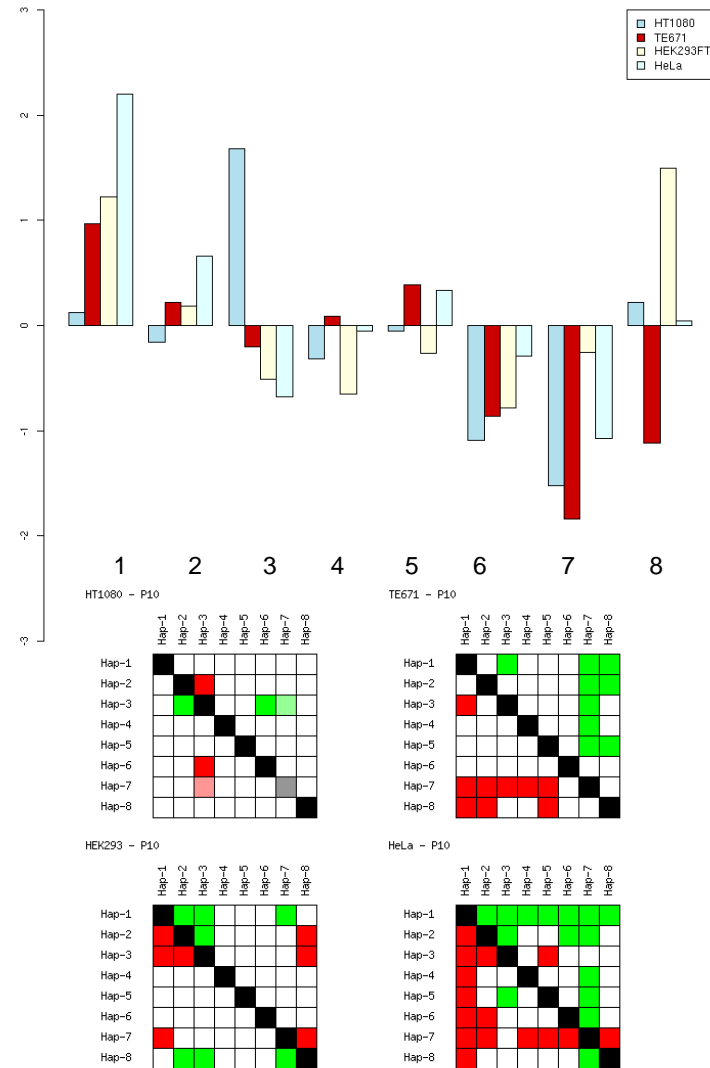
HeLa – P7



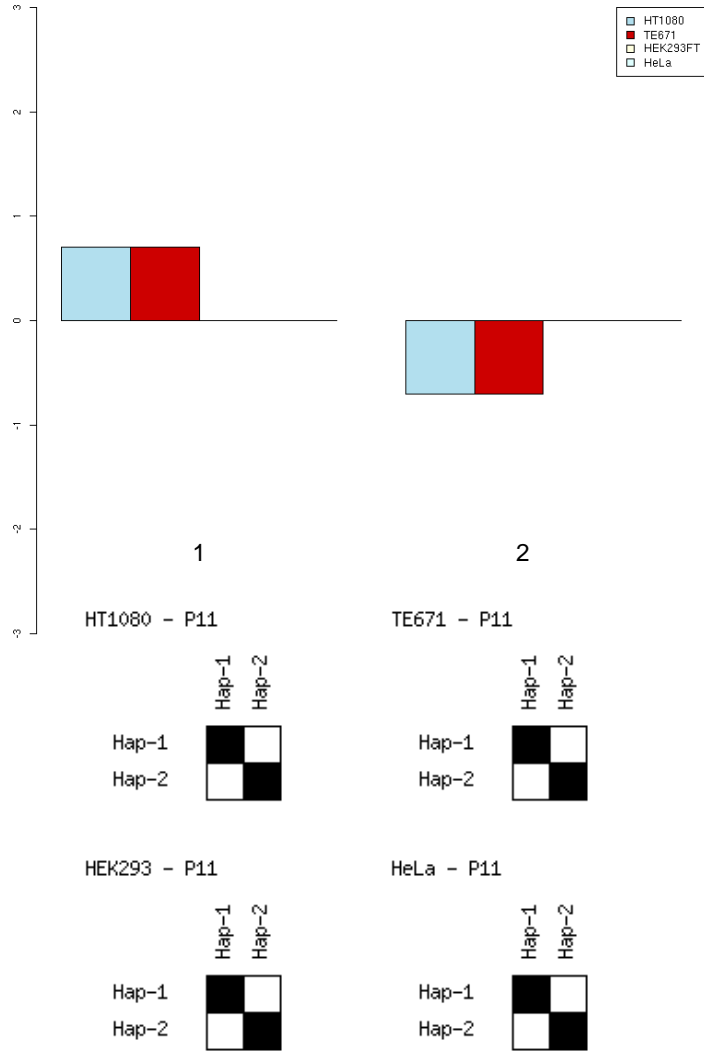
P8 – DGCR2



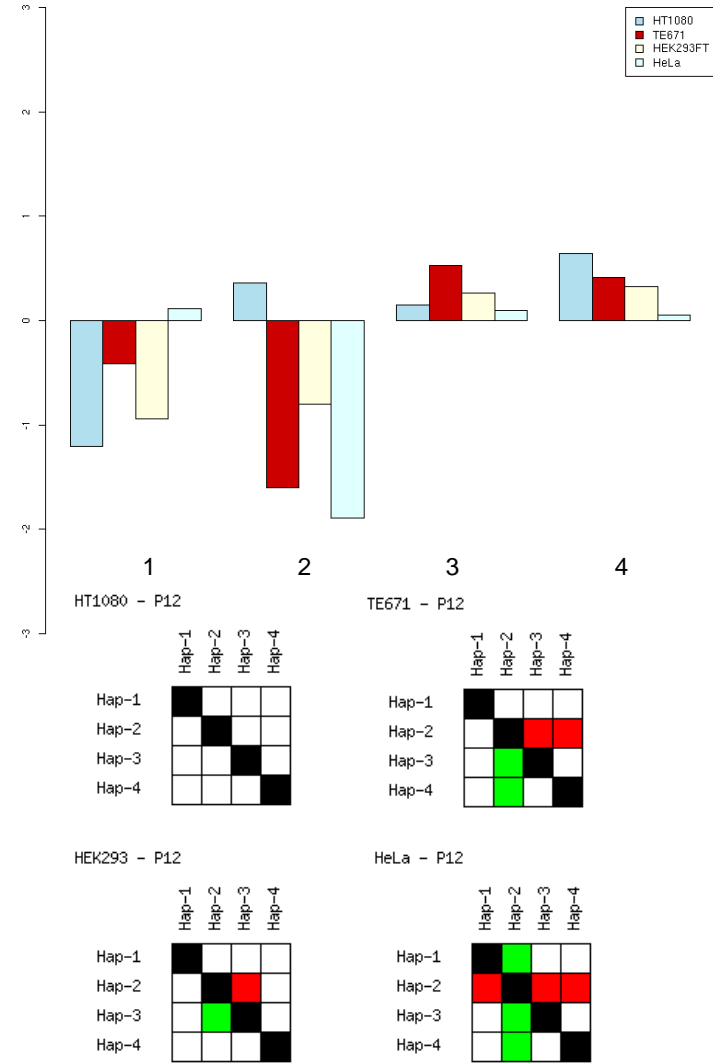
P10 – DGCR14



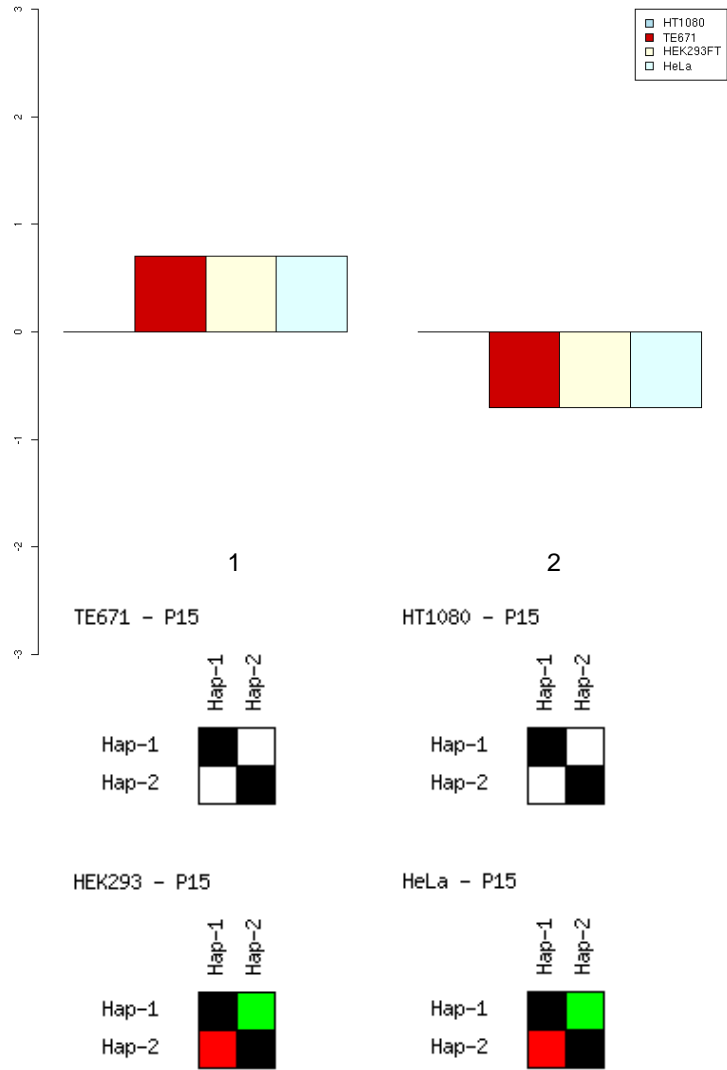
P11 – UFD1L



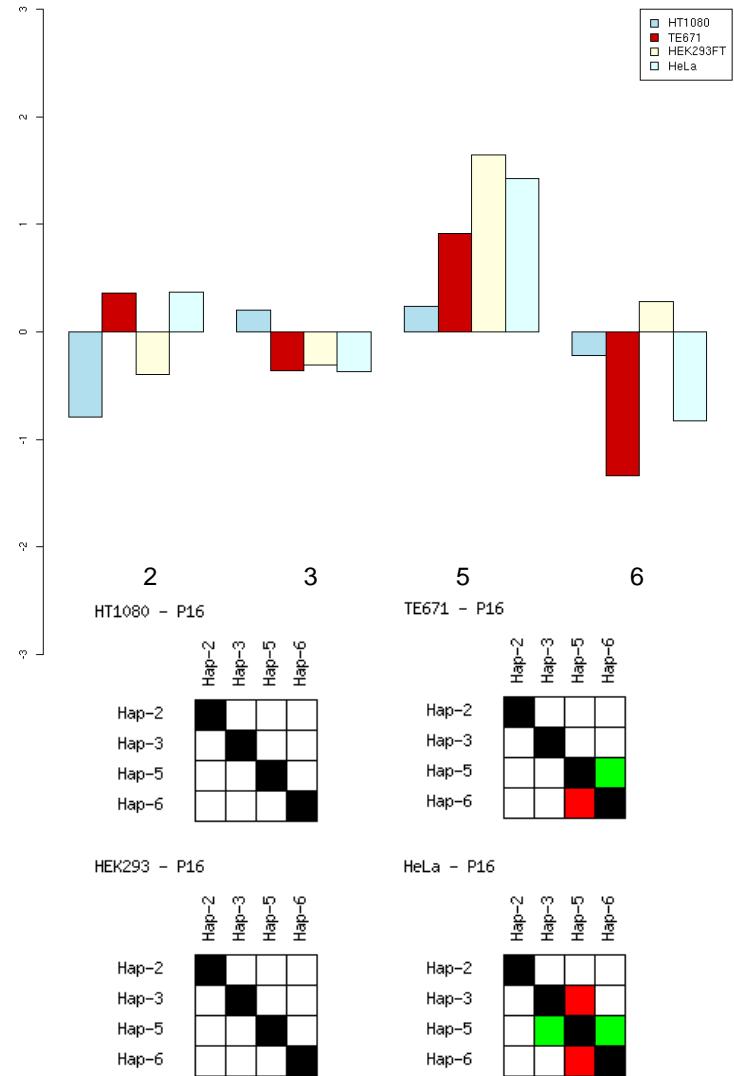
P12 – CDC45L



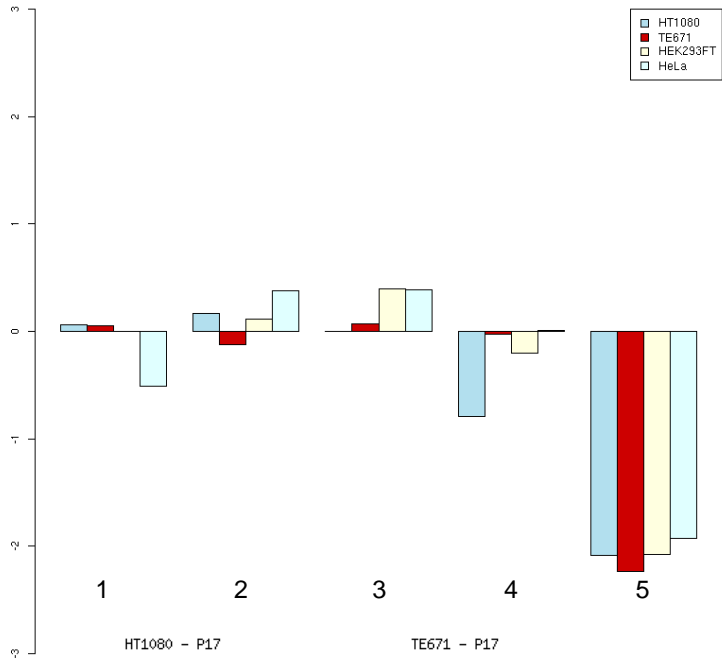
P15 – GNB1L



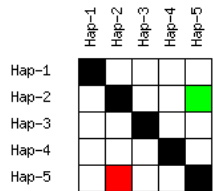
P16 – COMT



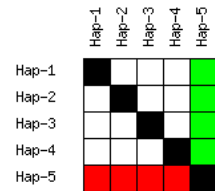
P17 – RANBP1



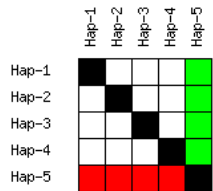
HT1080 - P17



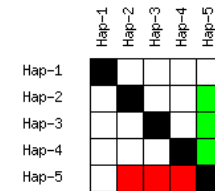
TE671 - P17



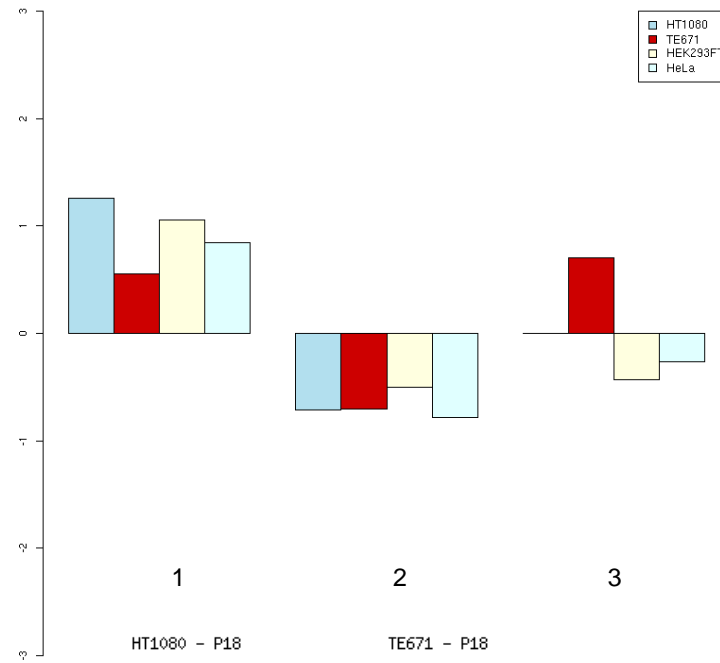
HEK293 - P17



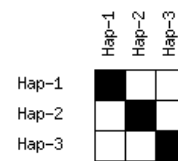
HeLa - P17



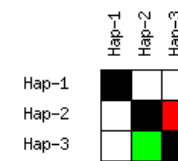
P18 – OTTHUMG00000030620



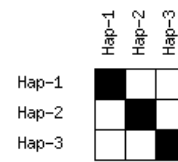
HT1080 - P18



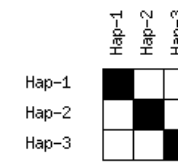
TE671 - P18



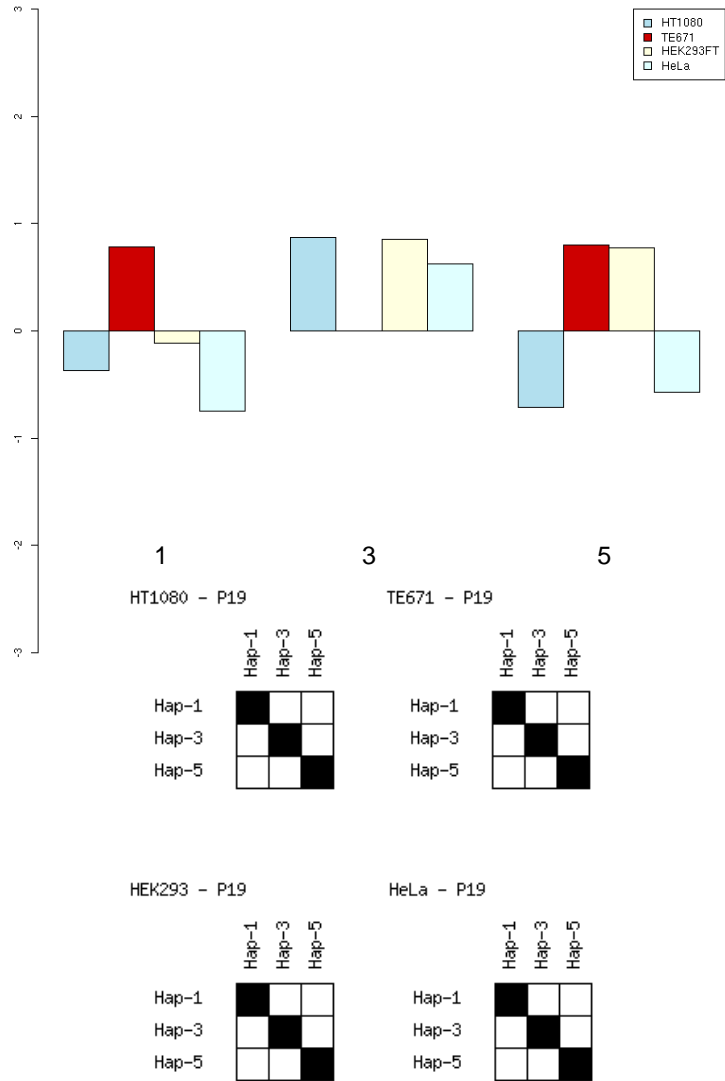
HEK293 - P18



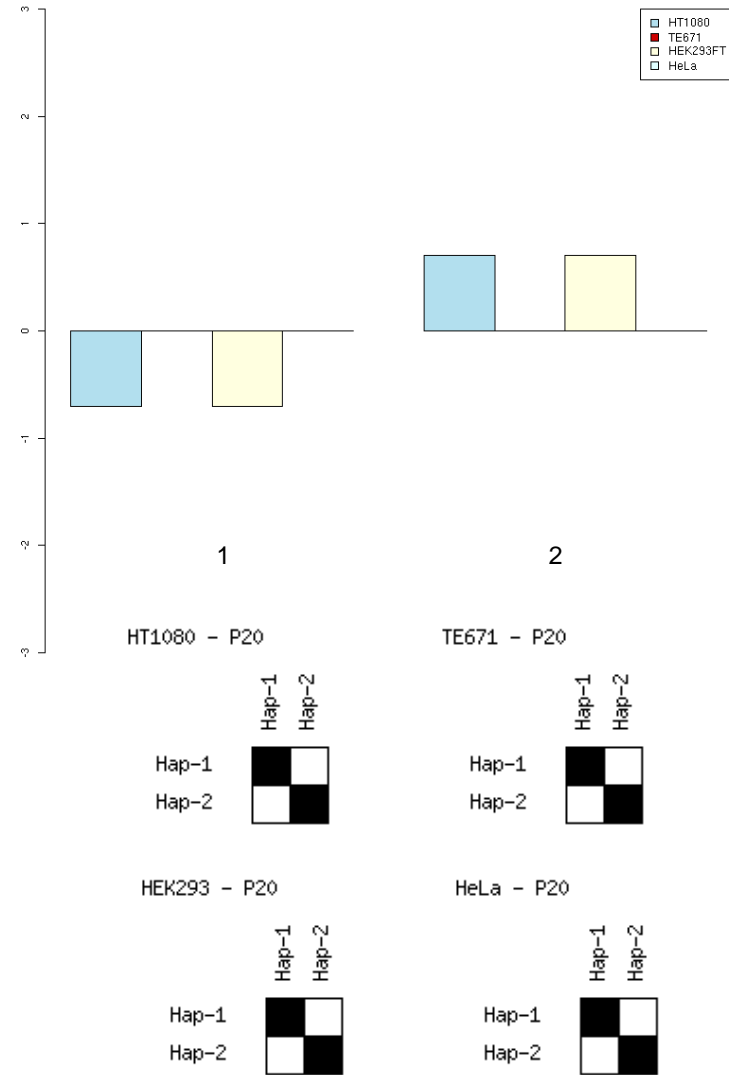
HeLa - P18



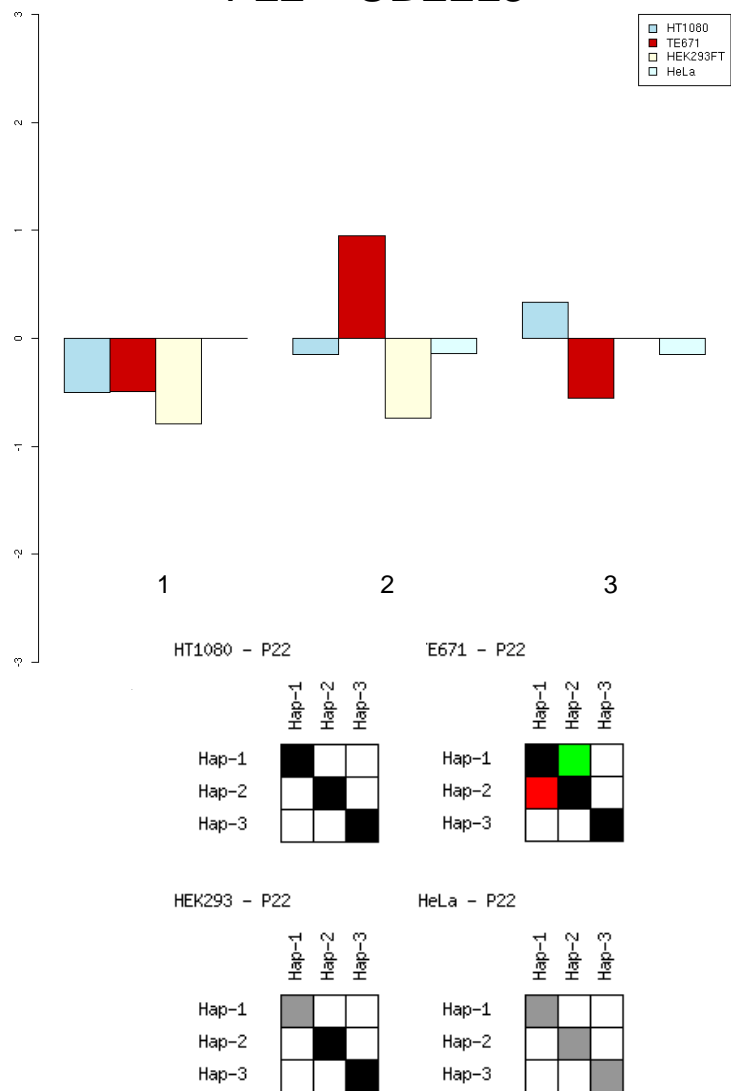
P19 – ZNF74



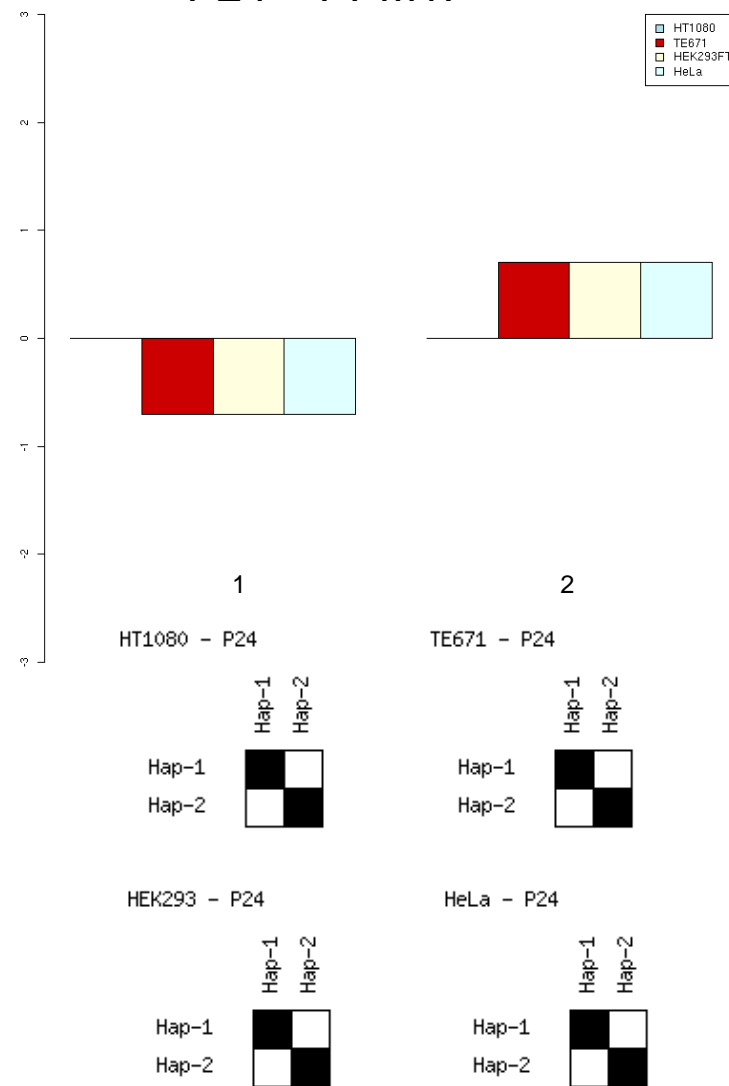
P20 – PCQAP



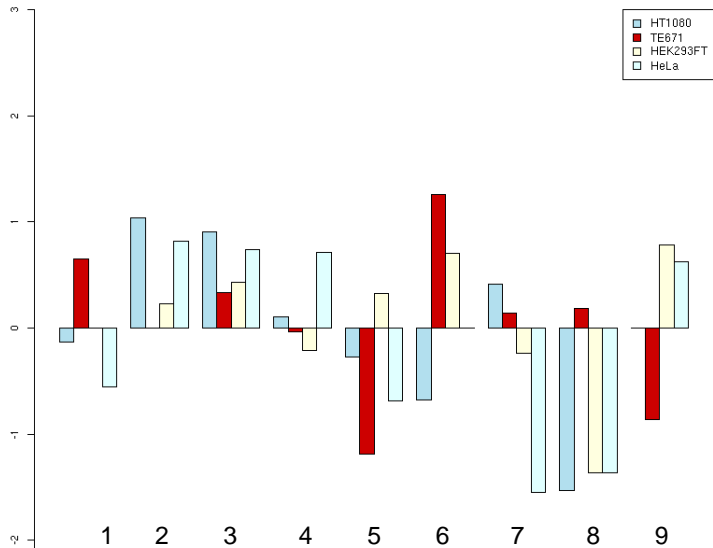
P22 – UBE2L3



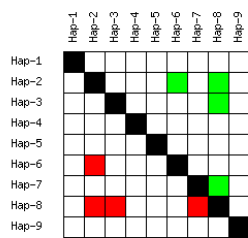
P24 – PPM1F



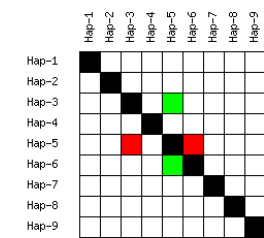
P26 – SUHW1



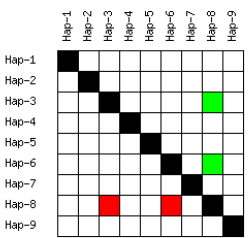
HT1080 - P26



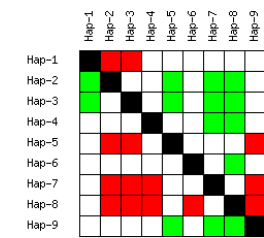
TE671 - P26



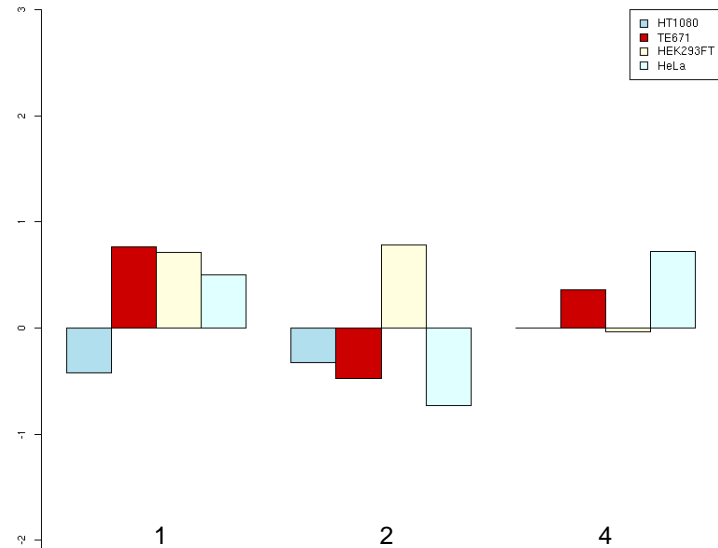
HEK293 - P26



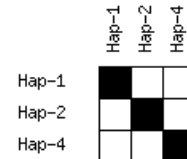
HeLa - P26



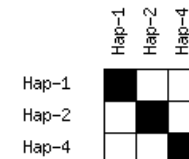
P28 – SMARCB1



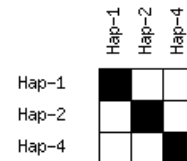
HT1080 - P28



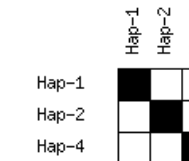
TE671 - P28



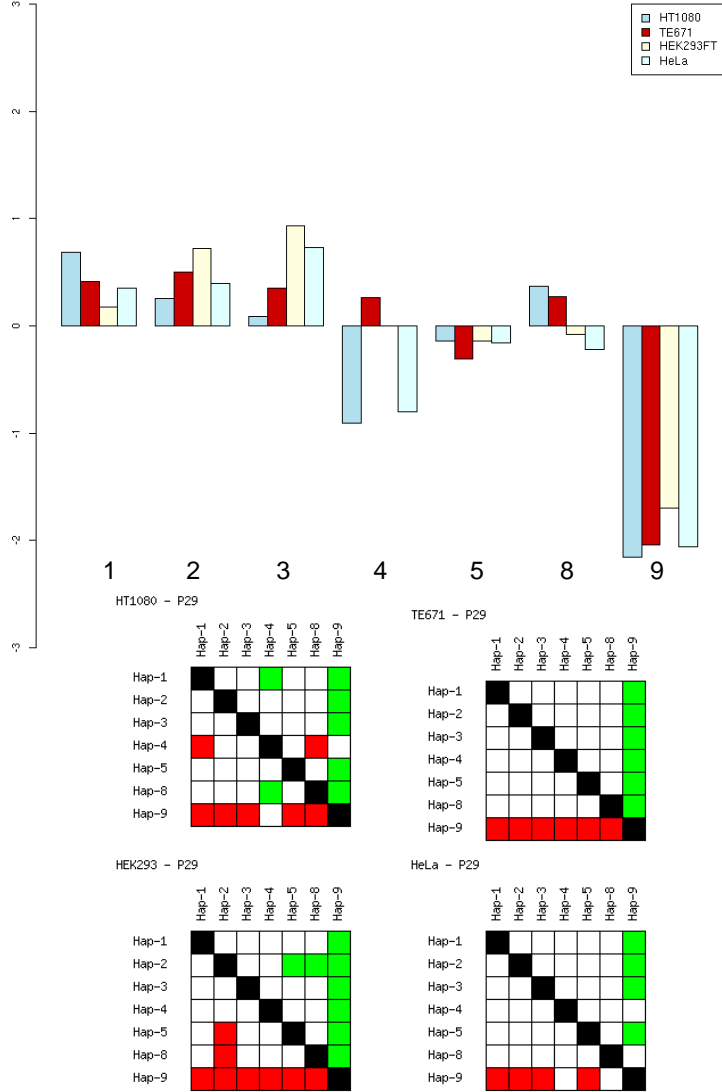
HEK293 - P28



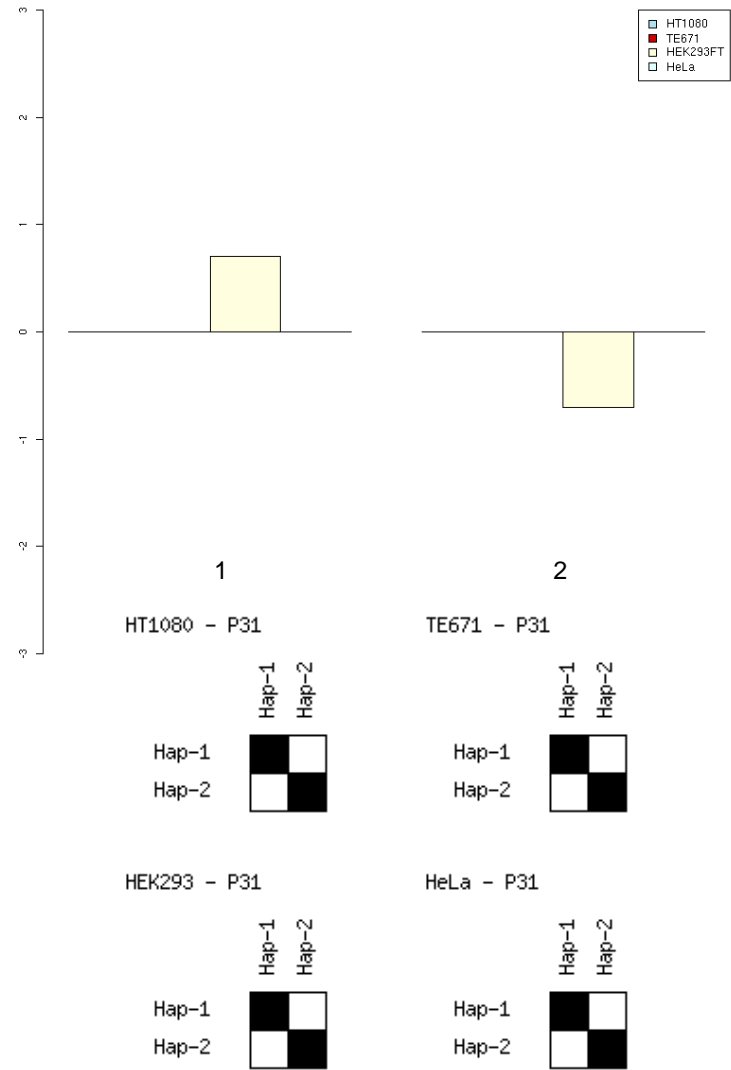
HeLa - P28



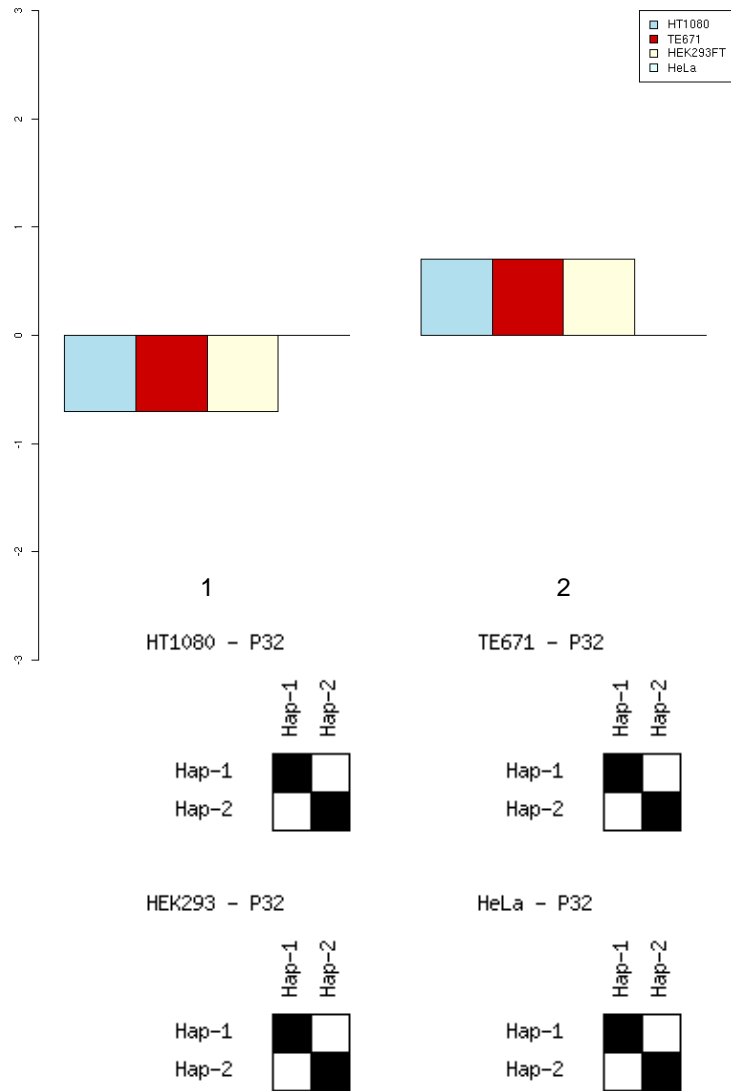
P29 – OTTHUM00000030257



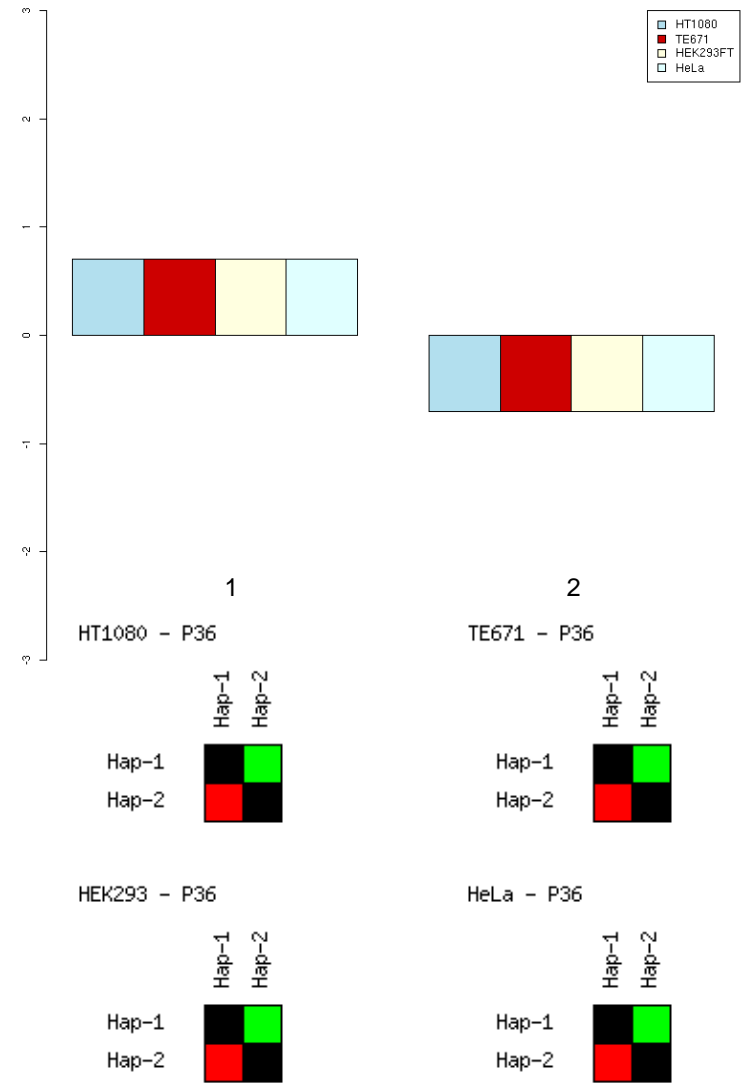
P31 – SRR1L



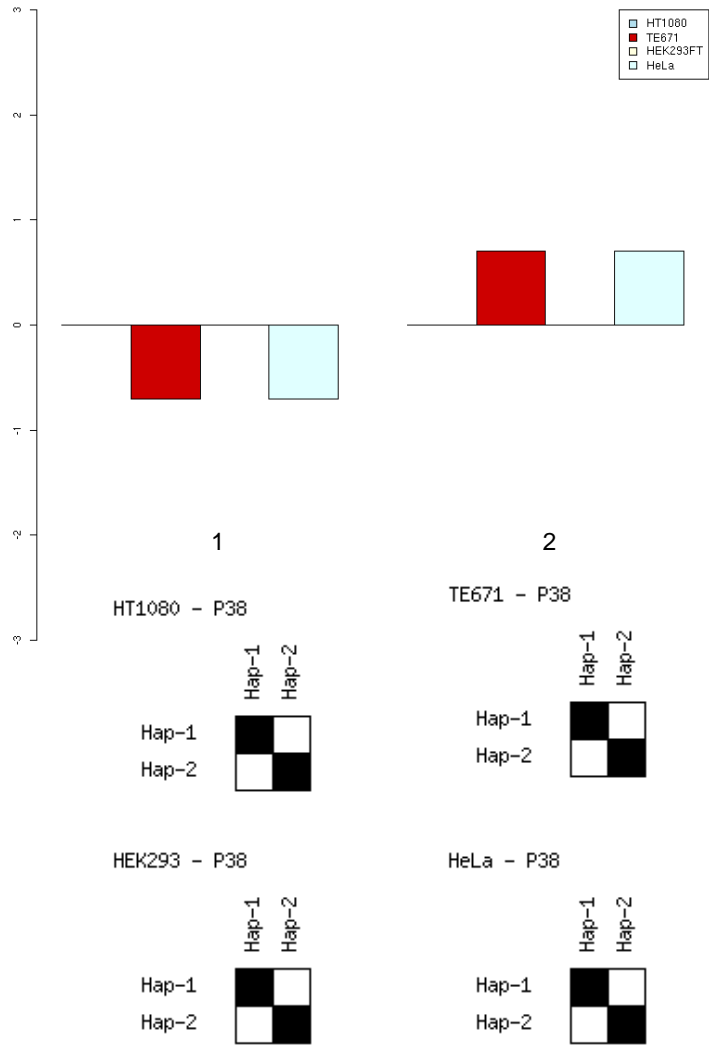
P32 – HPS4



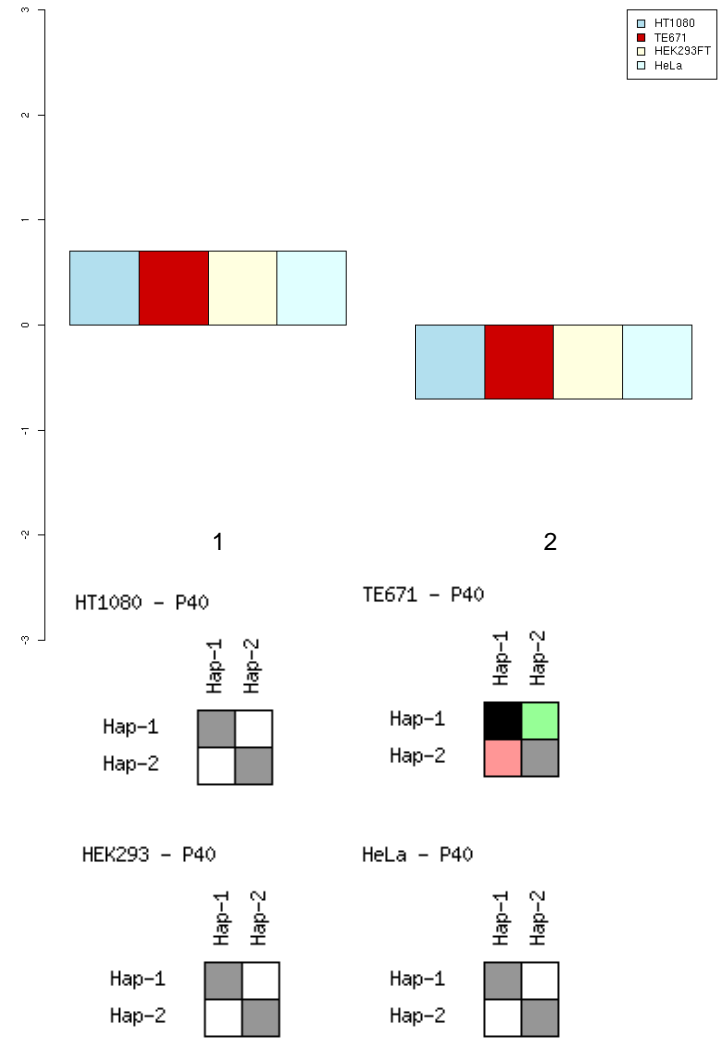
P36 – OTTHUM00000030143



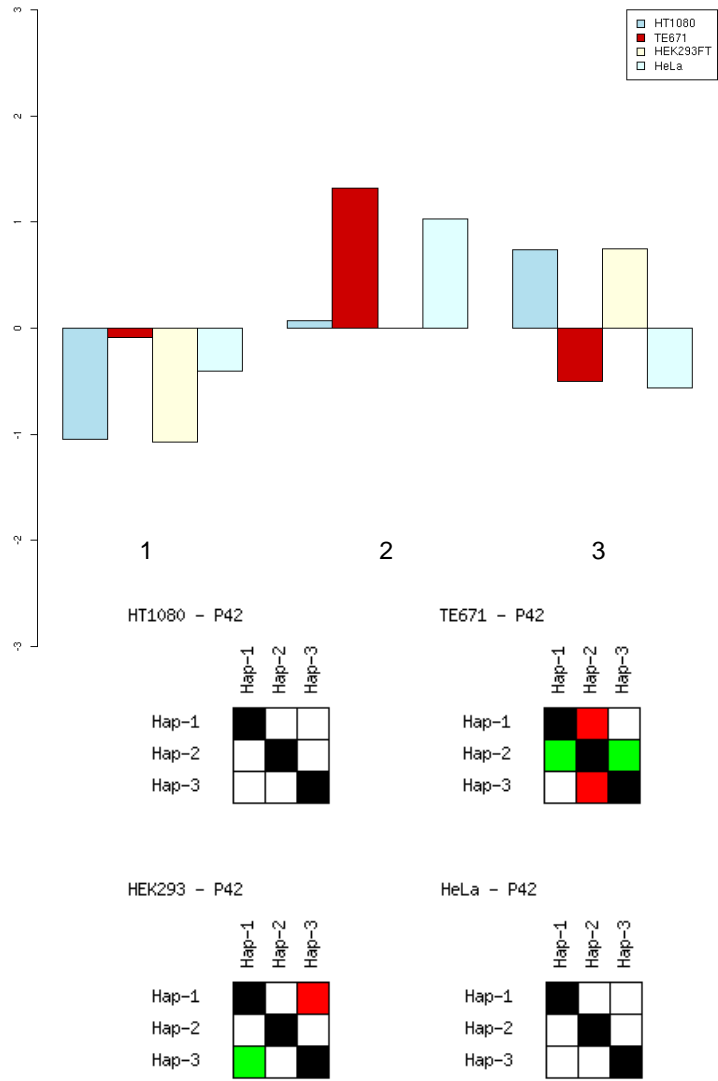
P38 – AP1B1



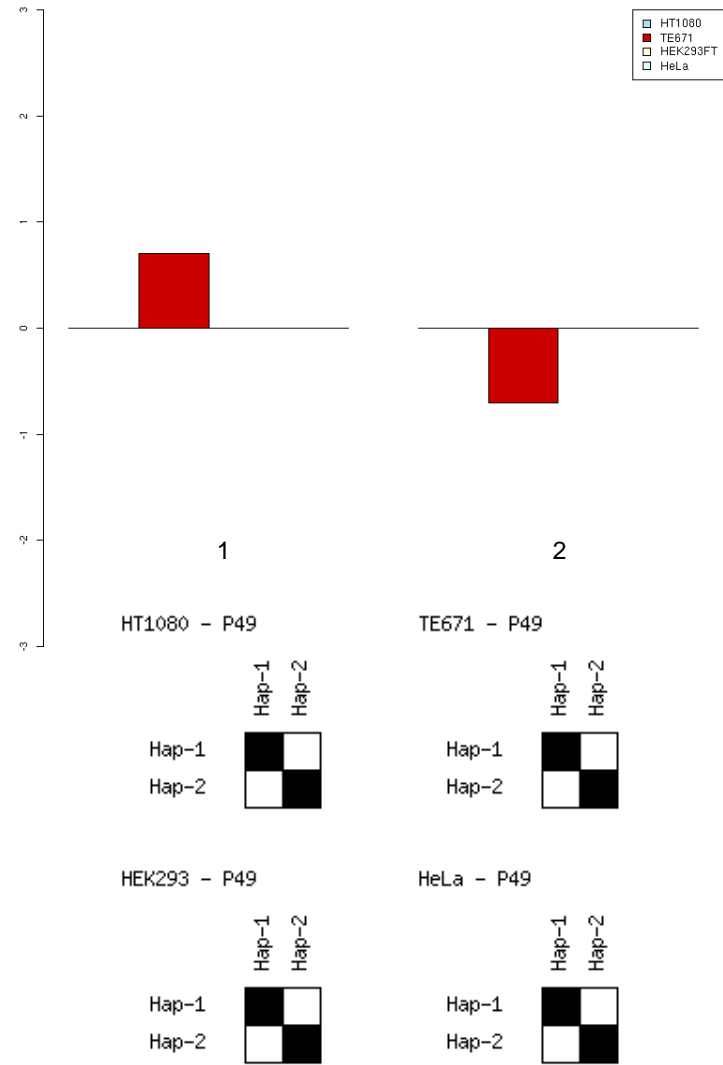
P40 – NIPSNAP1



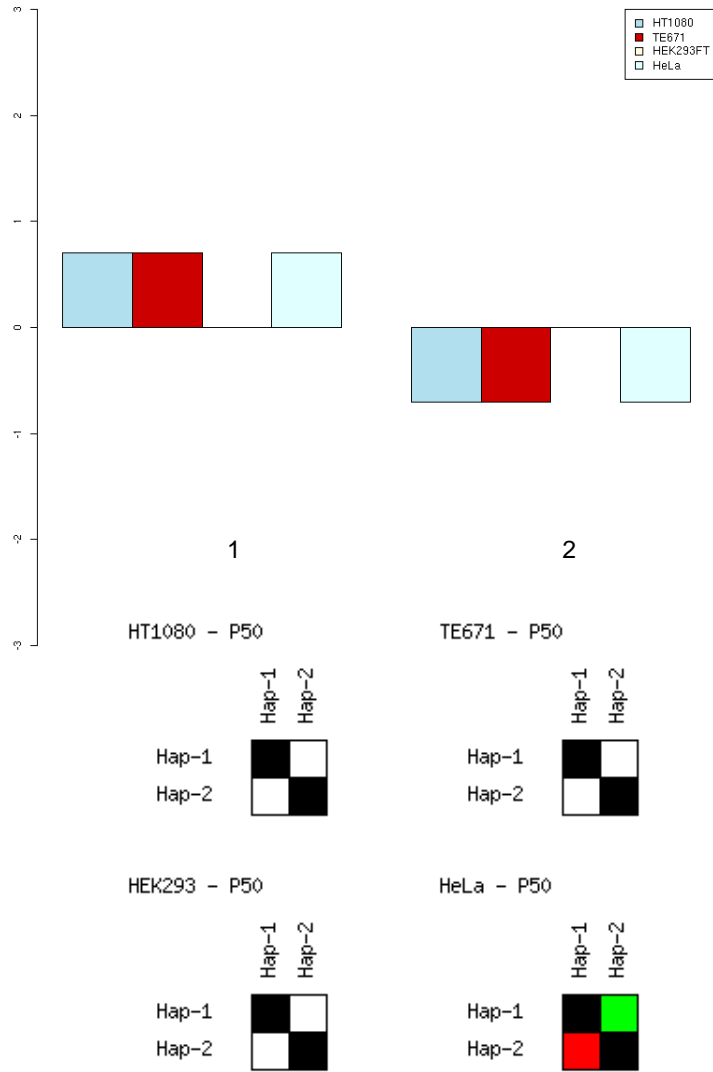
P42 – ZMAT5



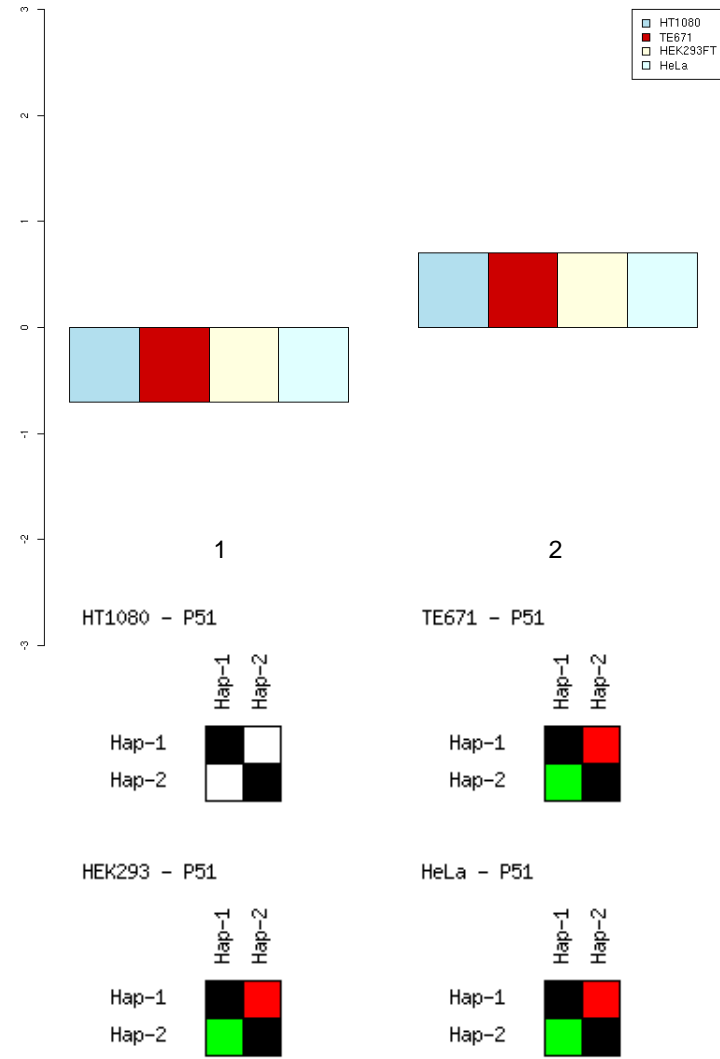
P49 – LIMK2



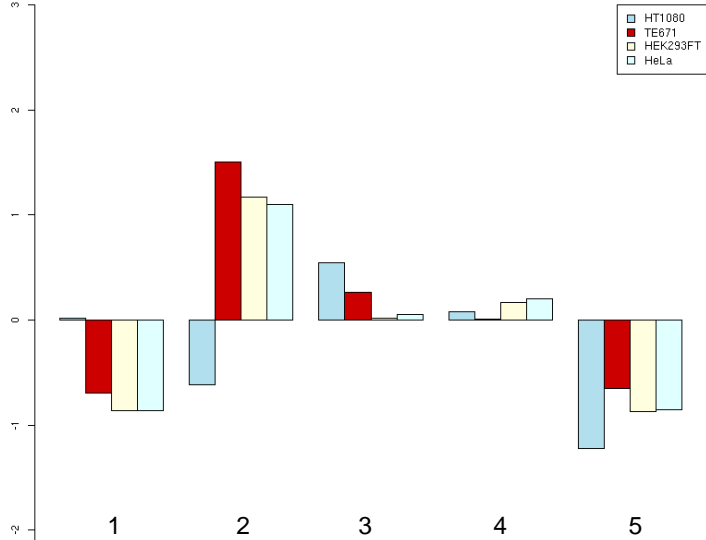
P50 – DEPDC5



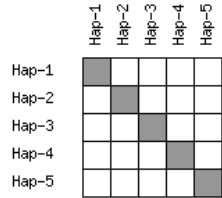
P51 – HSPC117



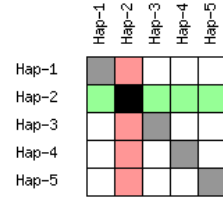
P52 – OTTHUM00000058273



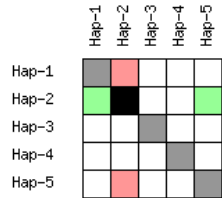
HT1080 - P52



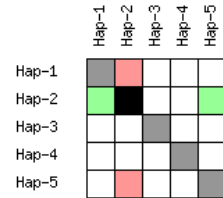
TE671 - P52



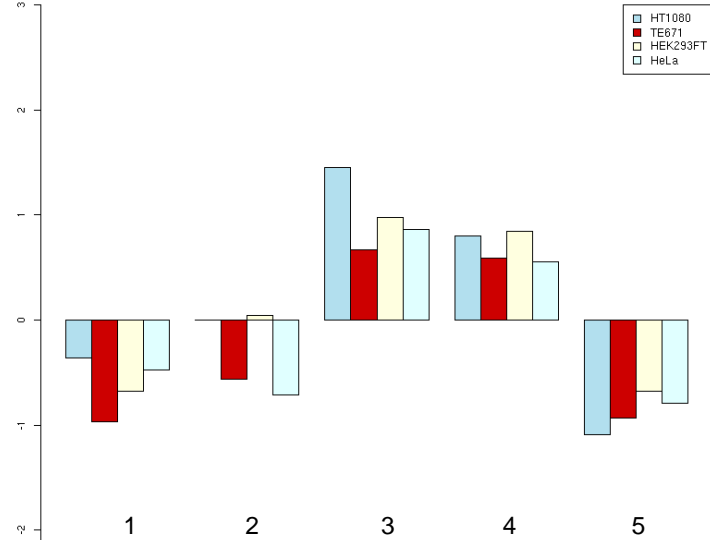
HEK293 - P52



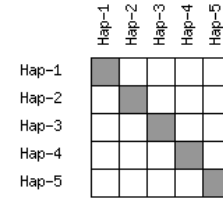
HeLa - P52



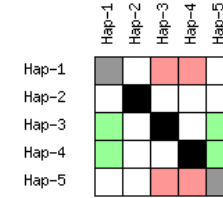
P53 – FBX07



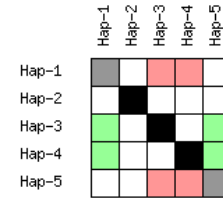
HT1080 - P53



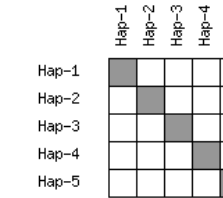
TE671 - P53



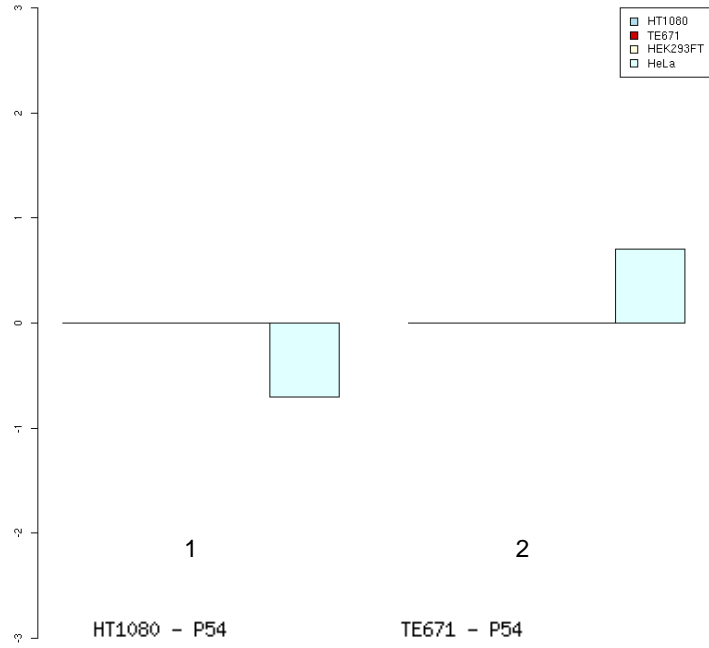
HEK293 - P53



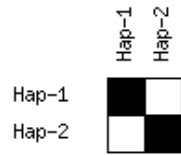
HeLa - P53



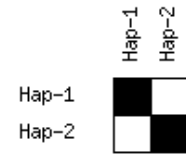
P54 – HMG2L1



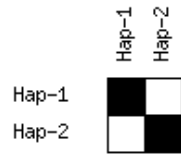
HT1080 - P54



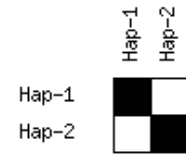
TE671 - P54



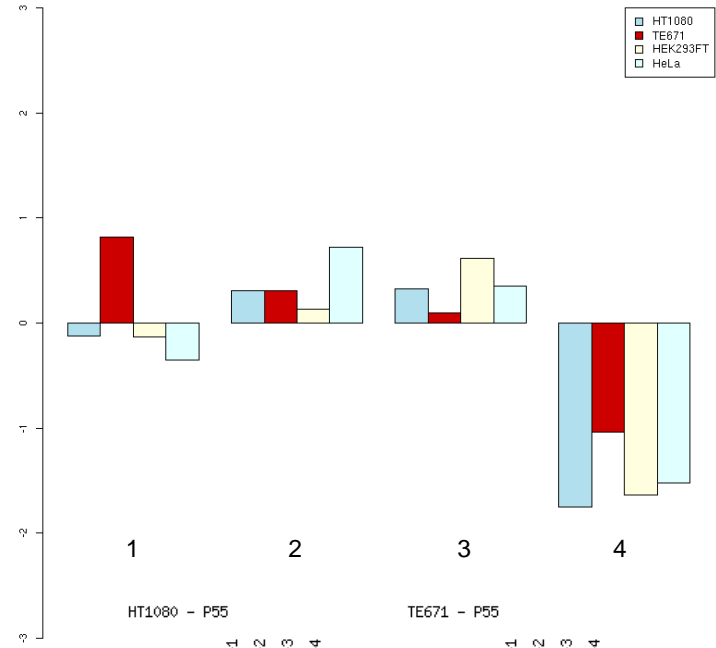
HEK293 - P54



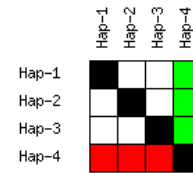
HeLa - P54



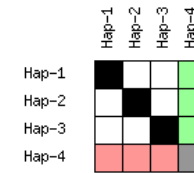
P55 – TOM1



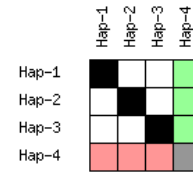
HT1080 - P55



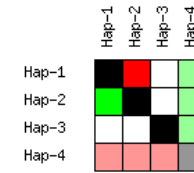
TE671 - P55

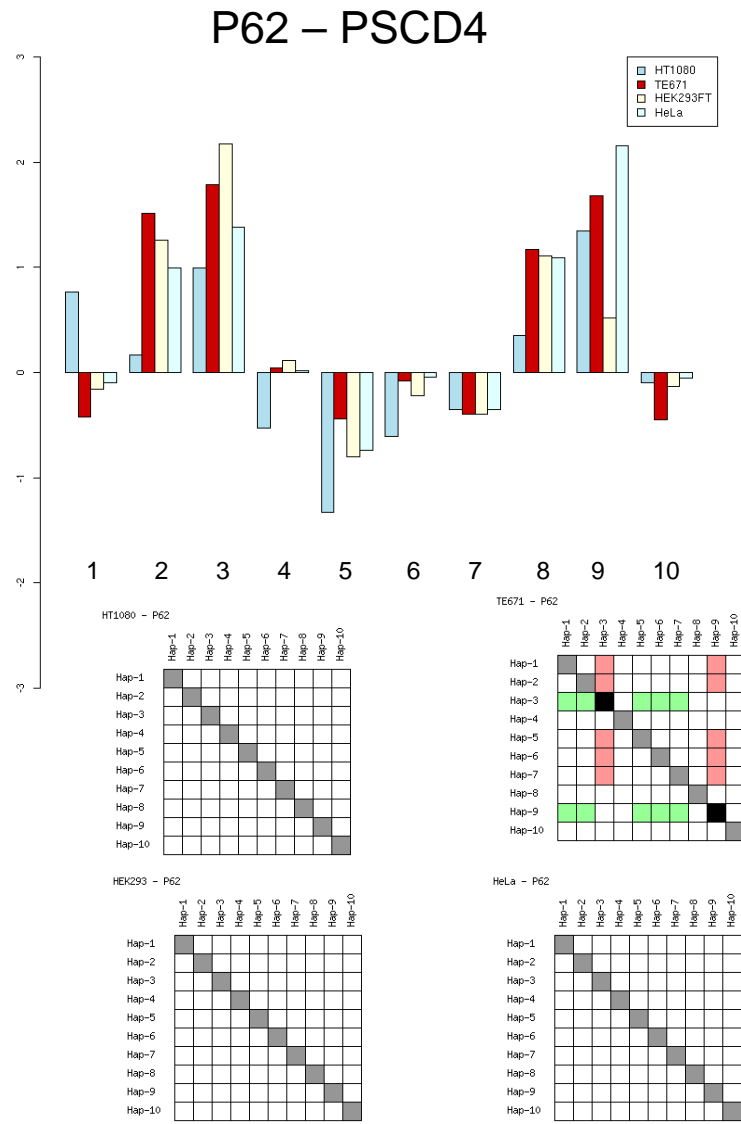
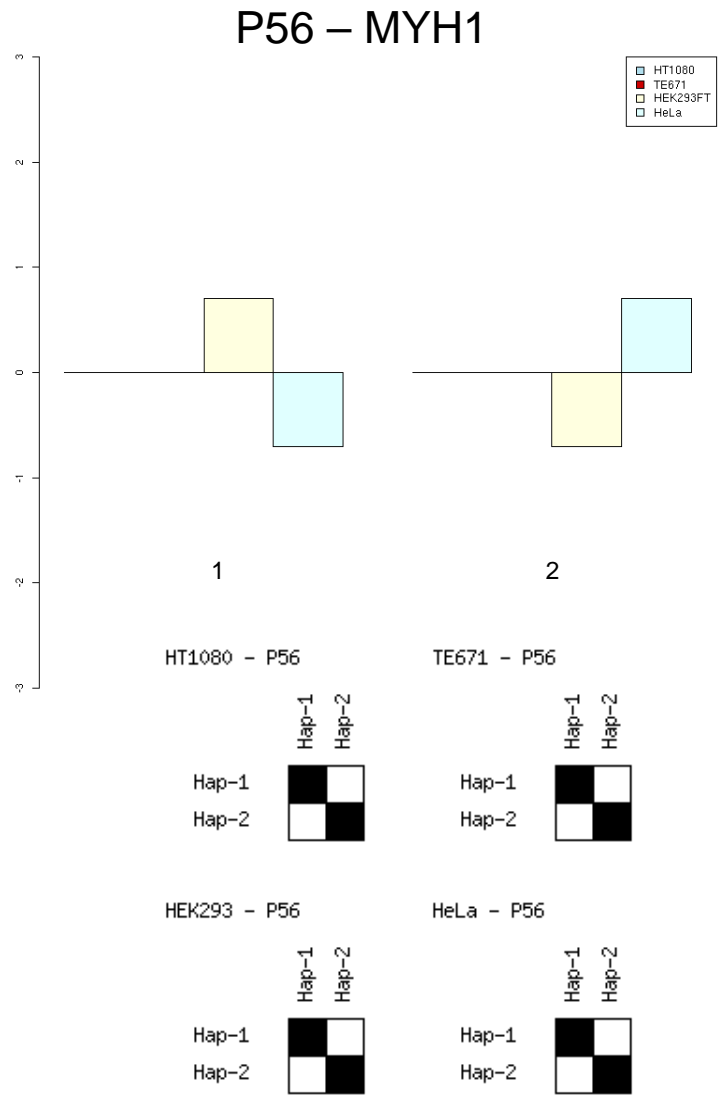


HEK293 - P55

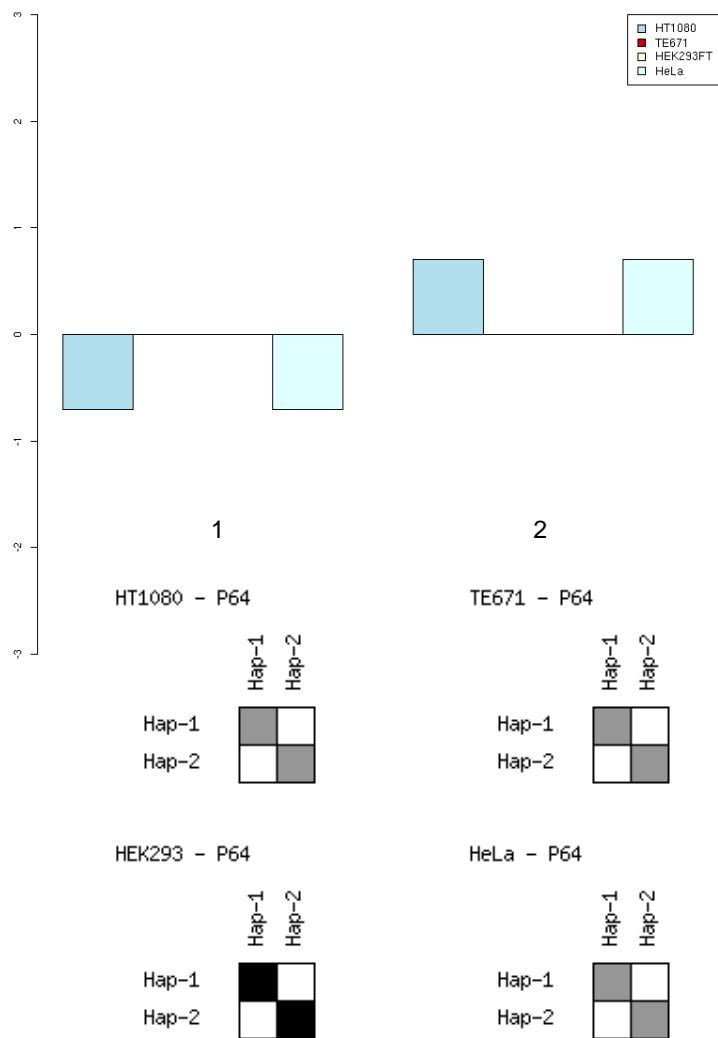


HeLa - P55

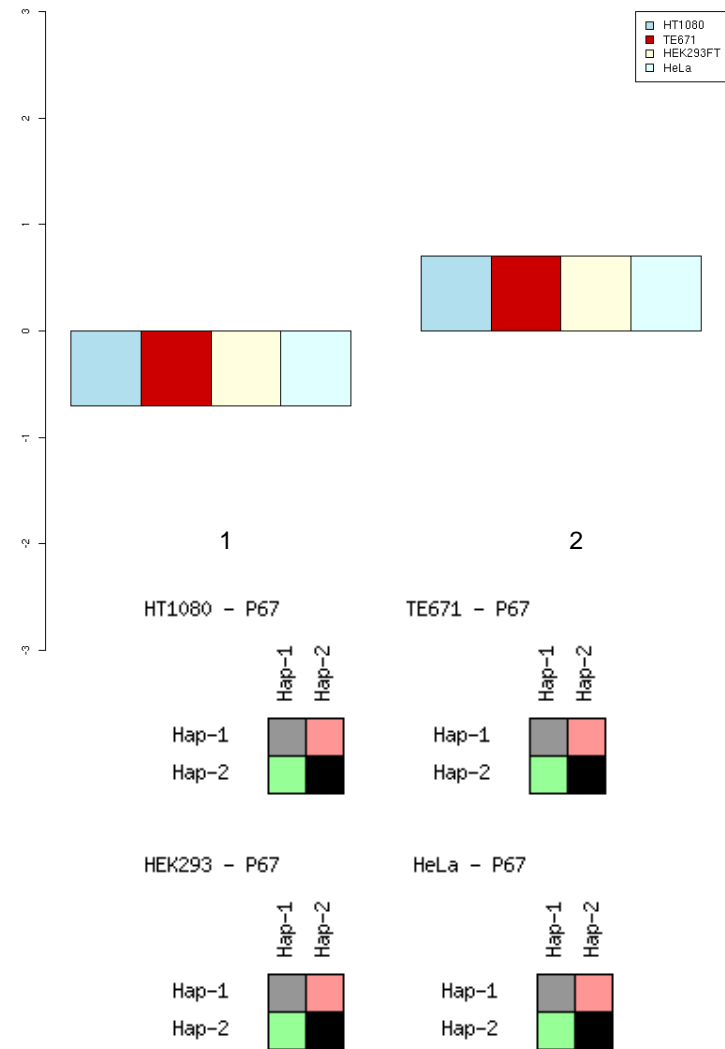




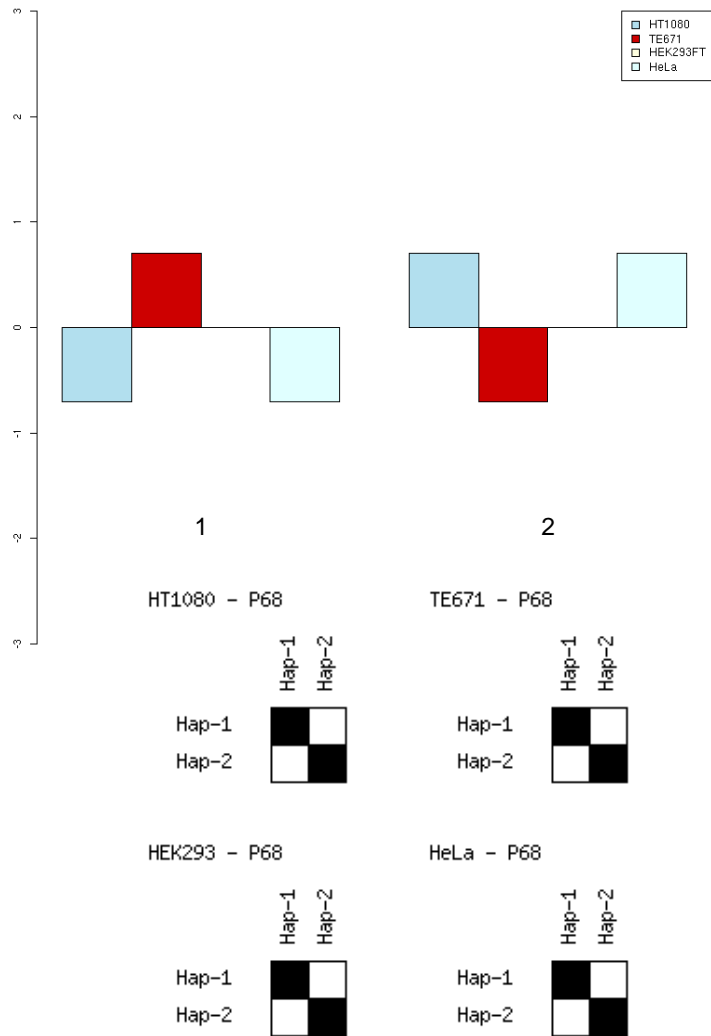
P64 – MFNG



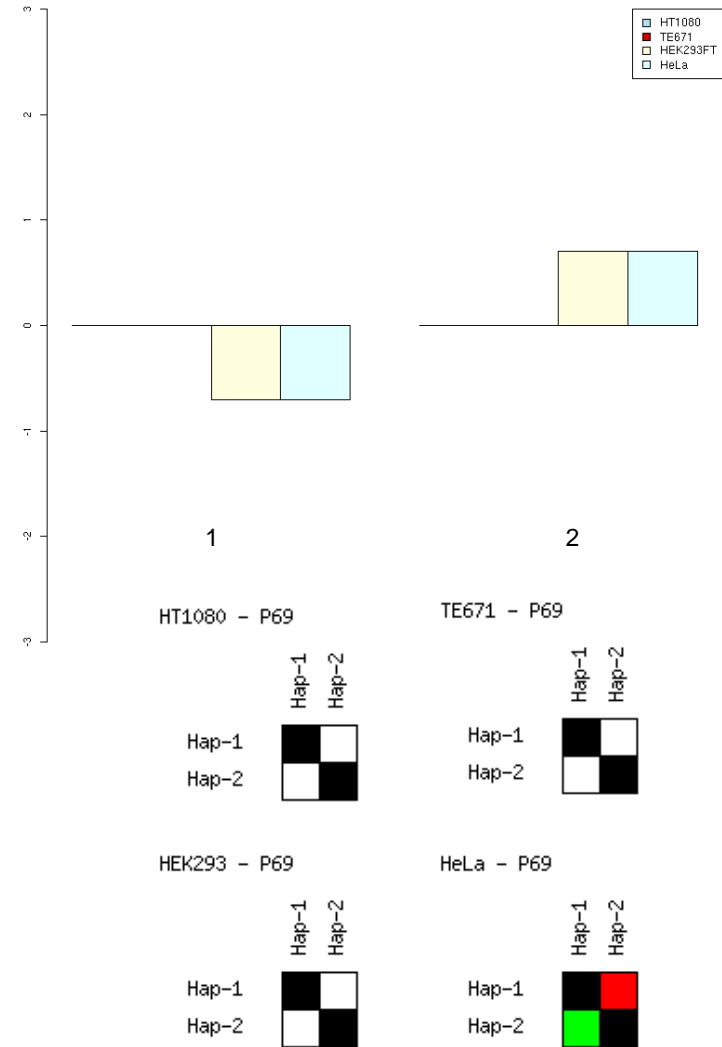
P67 – PRKCABP



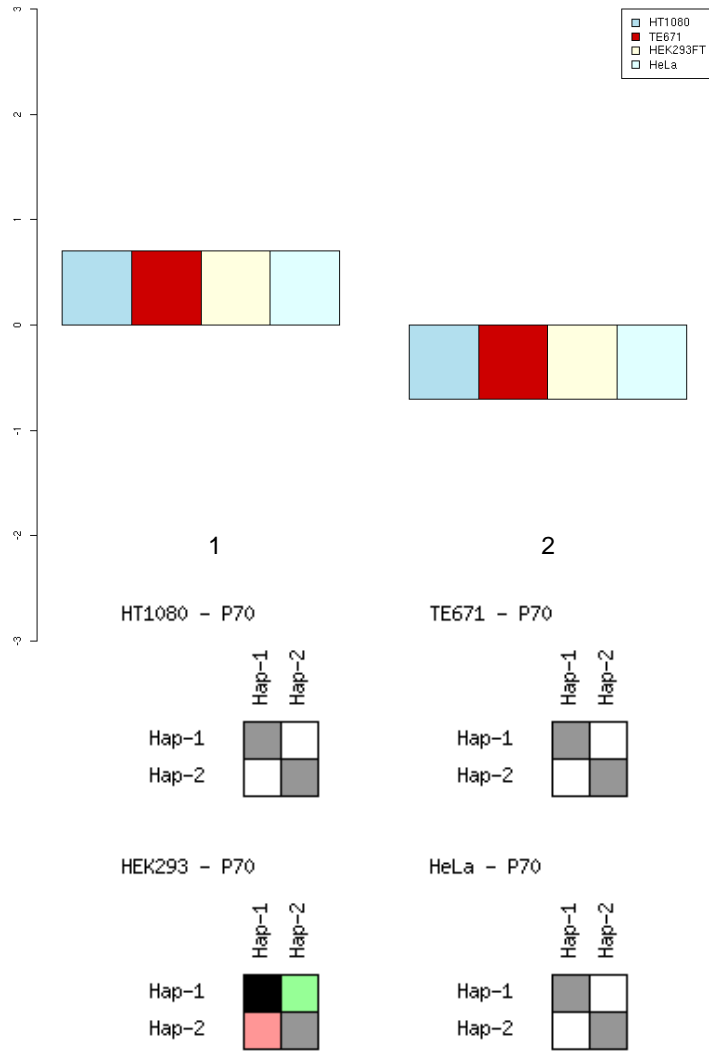
P68 – C22orf5



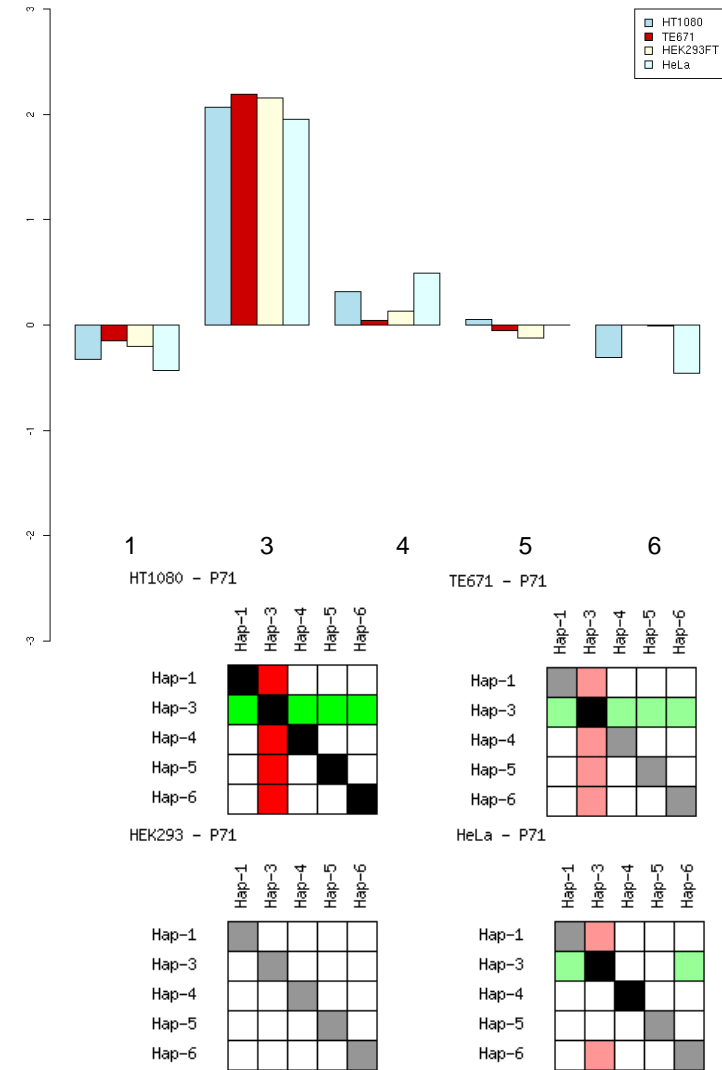
P69 – PGEA1



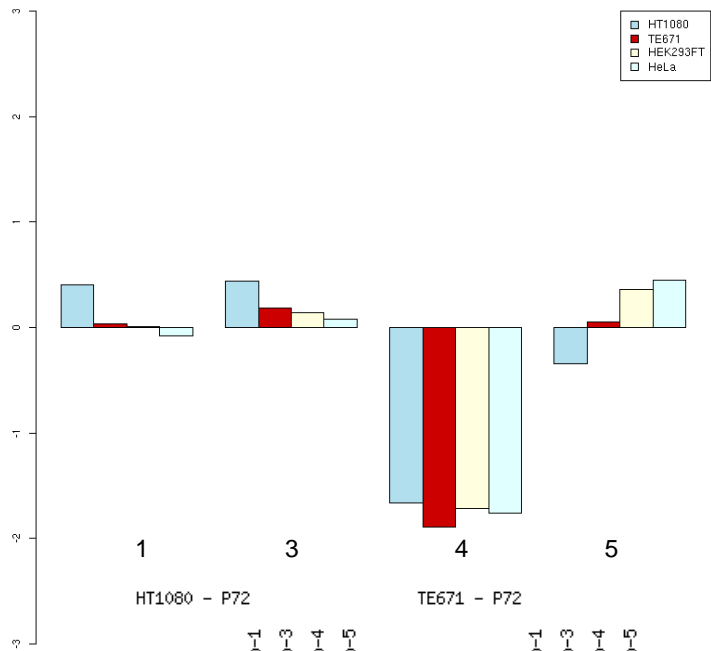
P70 – GTPBP1



P71 – APOBEC3B

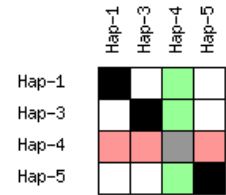
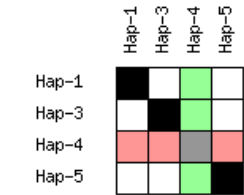


P72 – OTTHUM00000030194



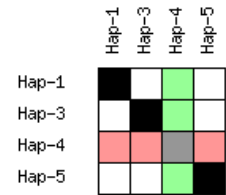
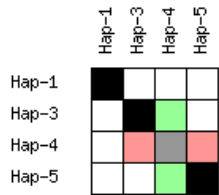
HT1080 - P72

TE671 - P72

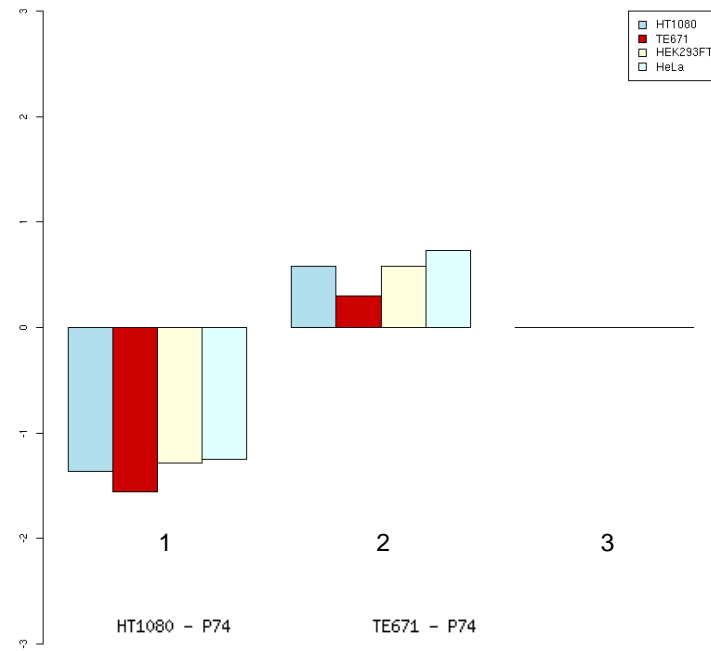


HEK293 - P72

HeLa - P72

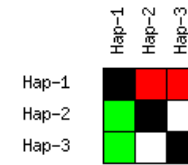
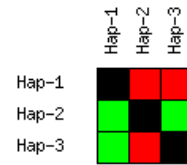


P74 – PHF5A



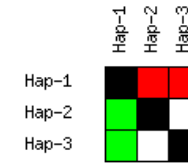
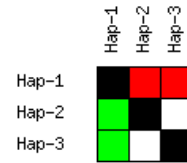
HT1080 - P74

TE671 - P74

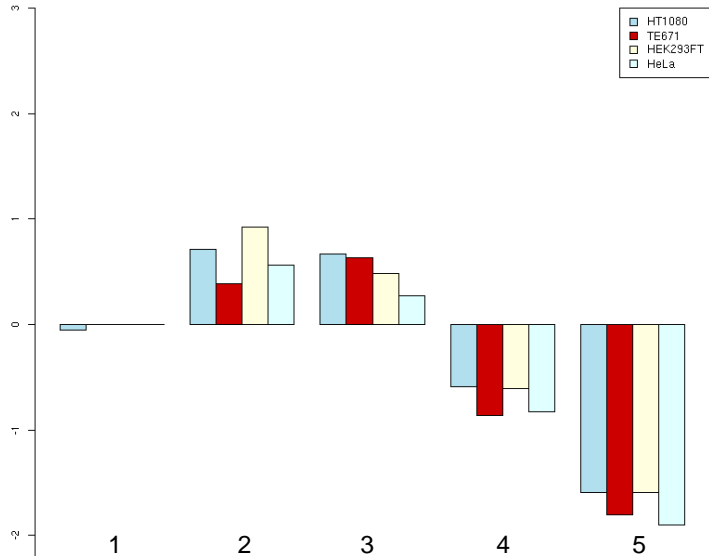


HEK293 - P74

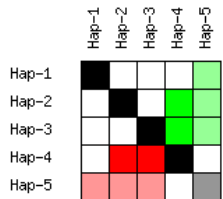
HeLa - P74



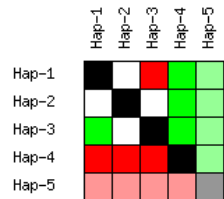
P77 – OTTHUM00000030087



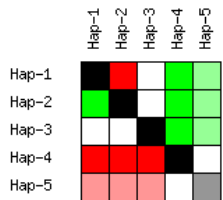
HT1080 - P77



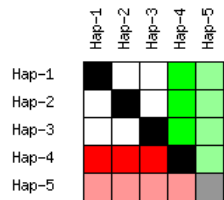
TE671 - P77



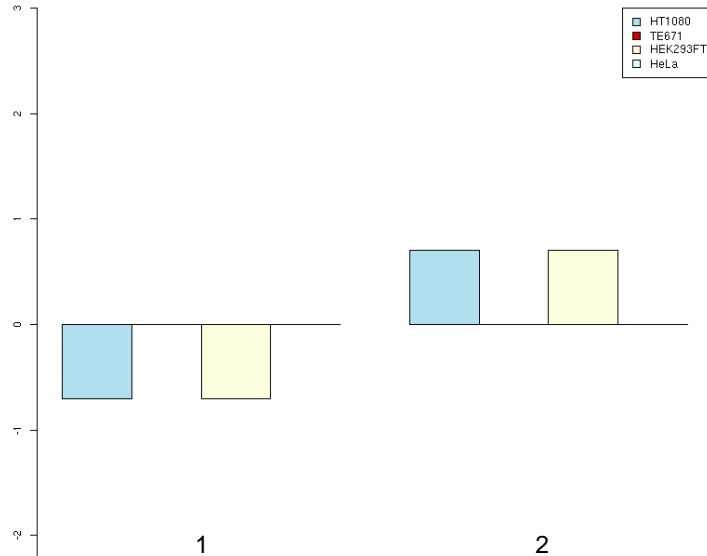
HEK293 - P77



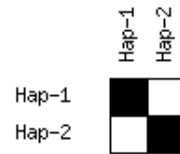
HeLa - P77



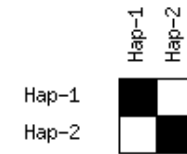
P78 – SREBF2



HT1080 - P78



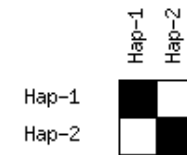
TE671 - P78



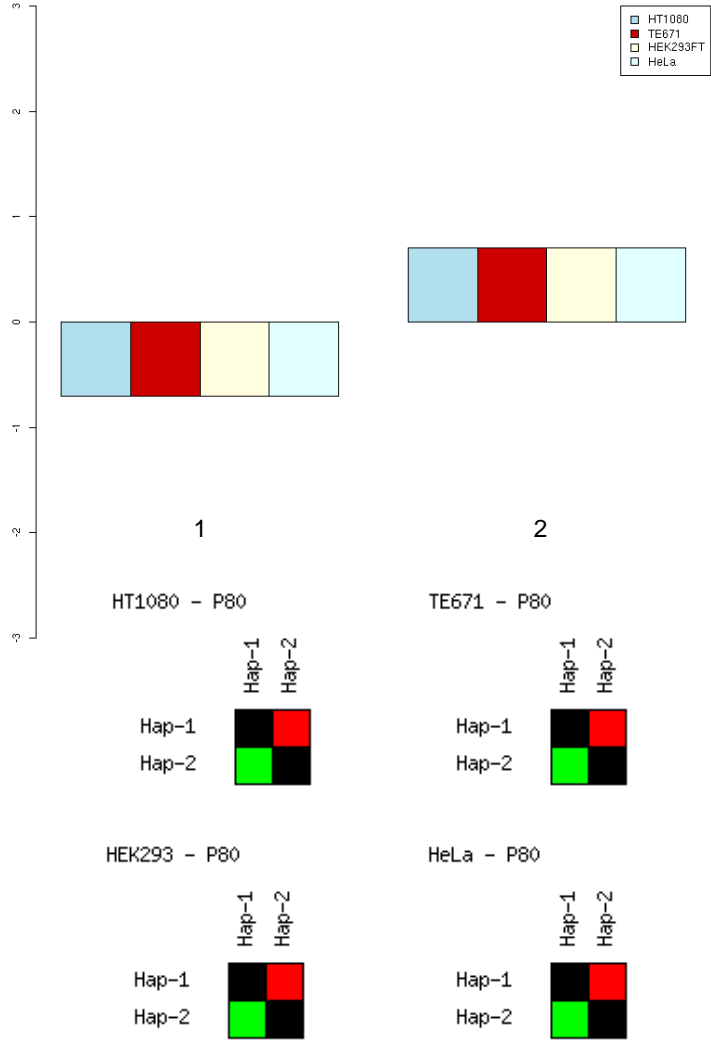
HEK293 - P78



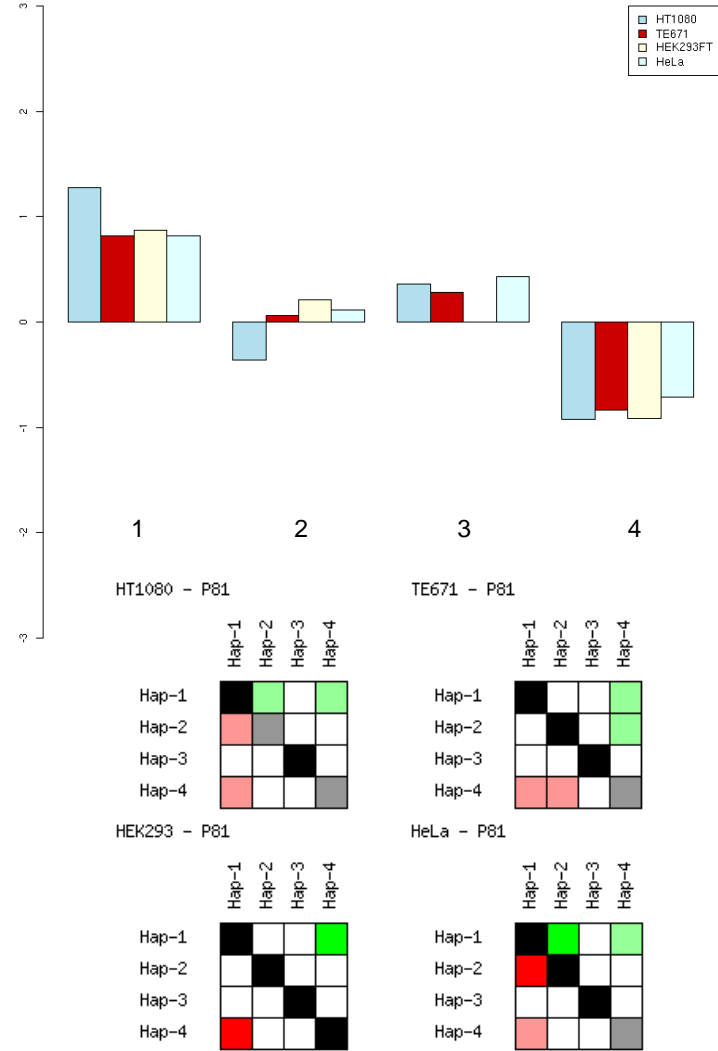
HeLa - P78



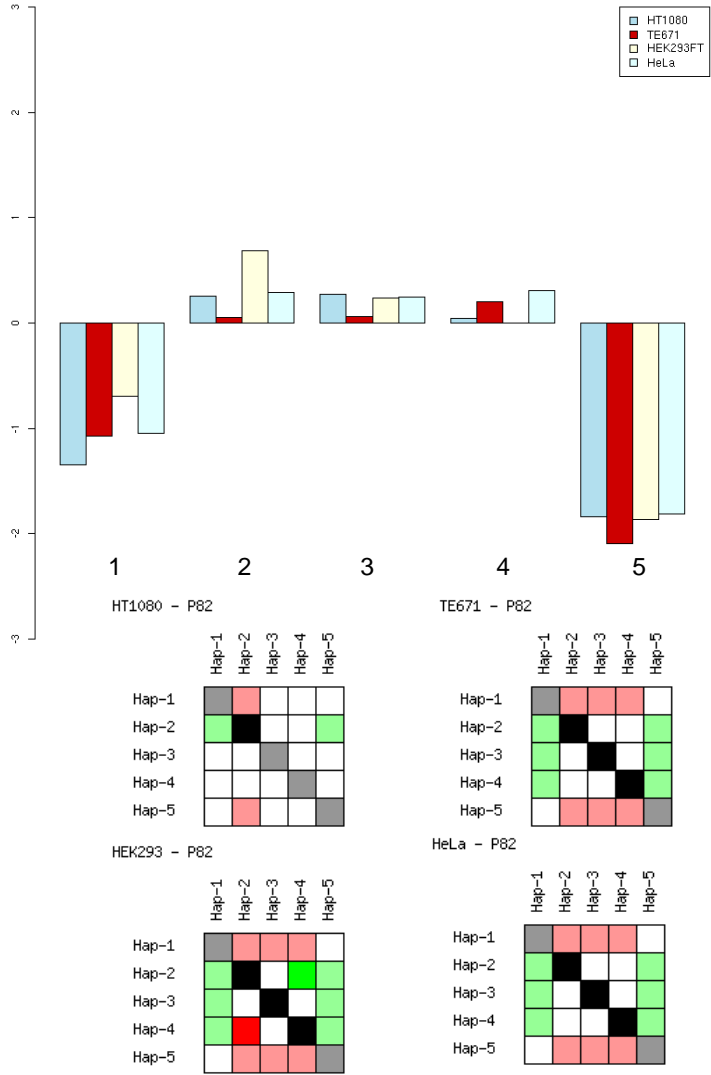
P80 – OTTHUM00000030498



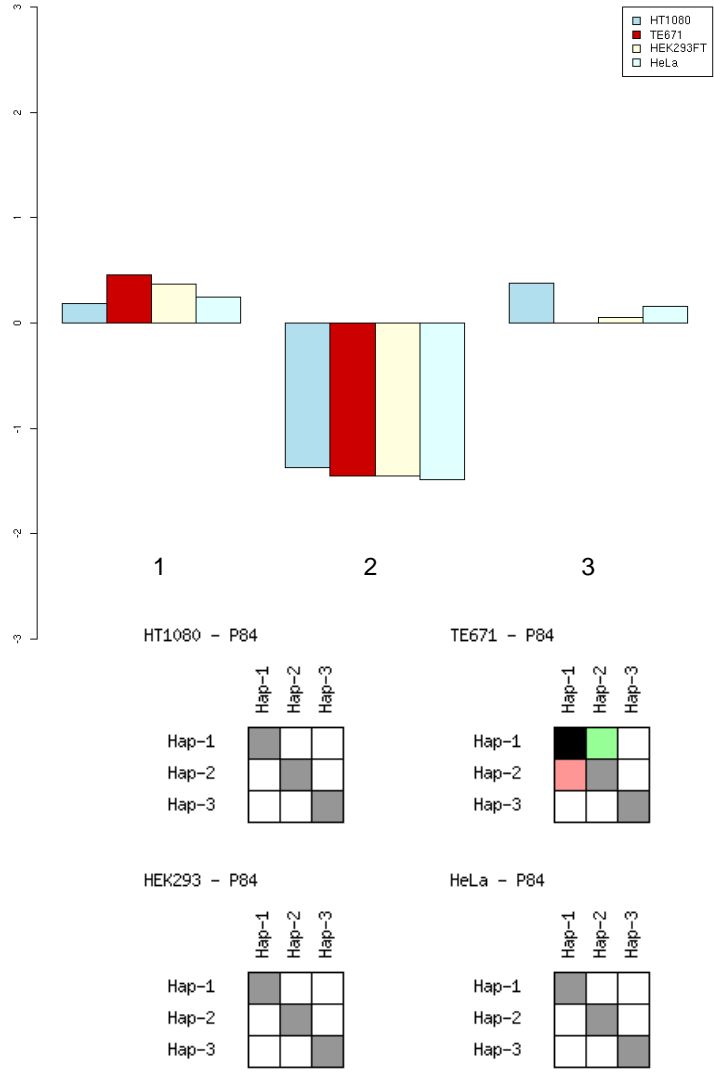
P81 – NAGA



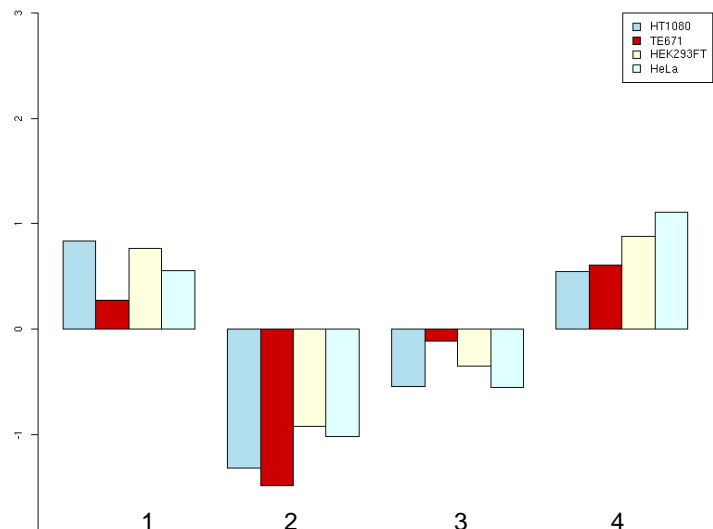
P82 – OTTHUM00000030175



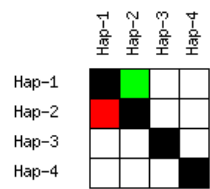
P84 – SERHL



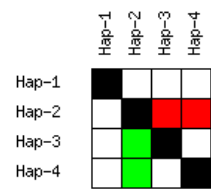
P85 – POLDIP3



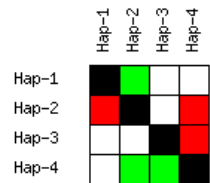
HT1080 - P85



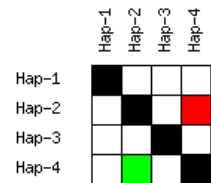
TE671 - P85



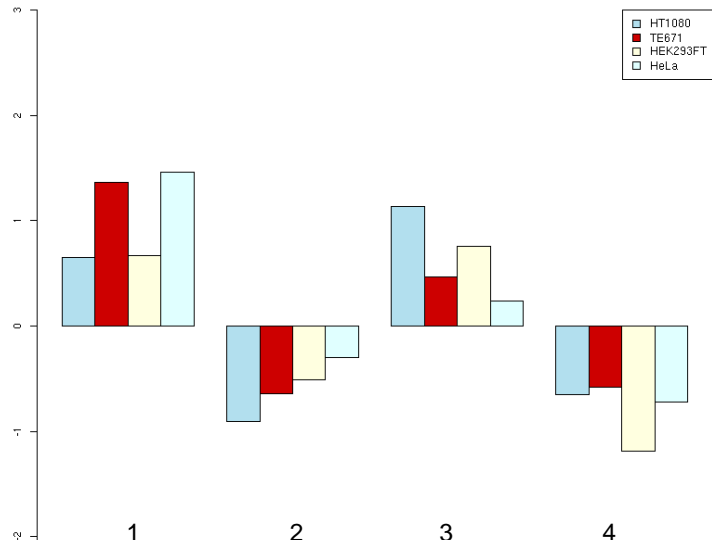
HEK293 - P85



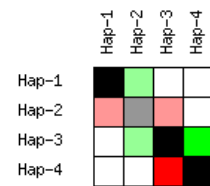
HeLa - P85



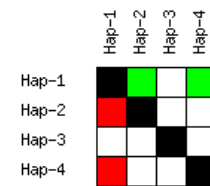
P86 – OTTHUM00000030962



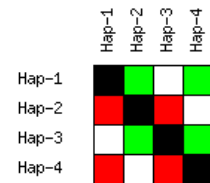
HT1080 - P86



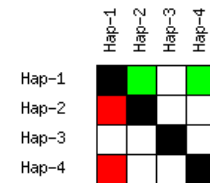
TE671 - P86



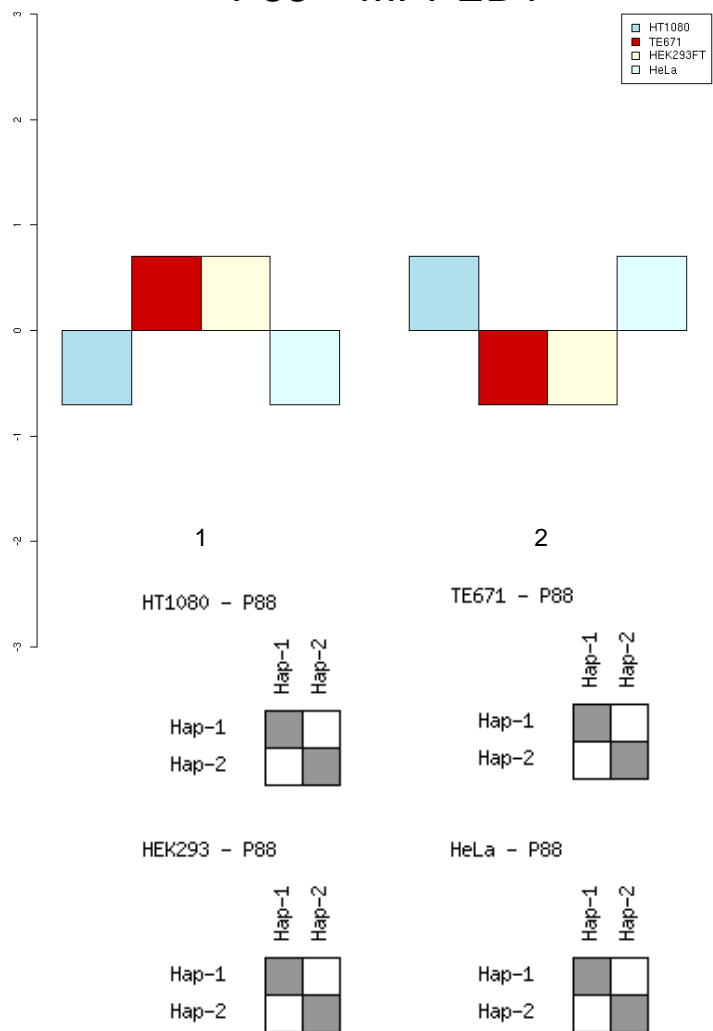
HEK293 - P86



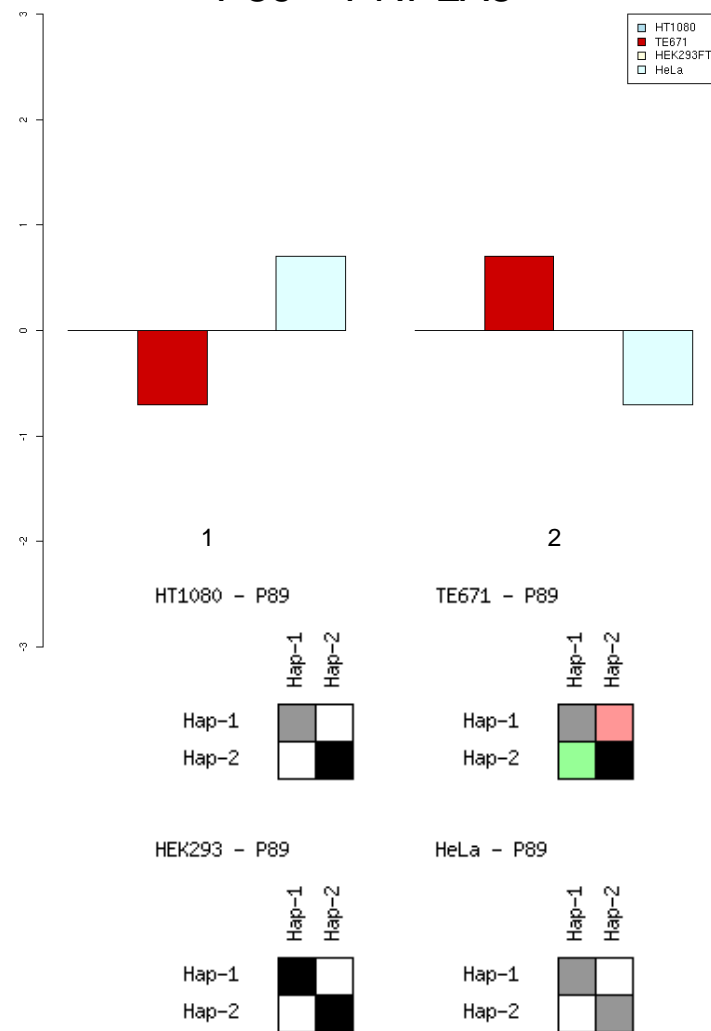
HeLa - P86



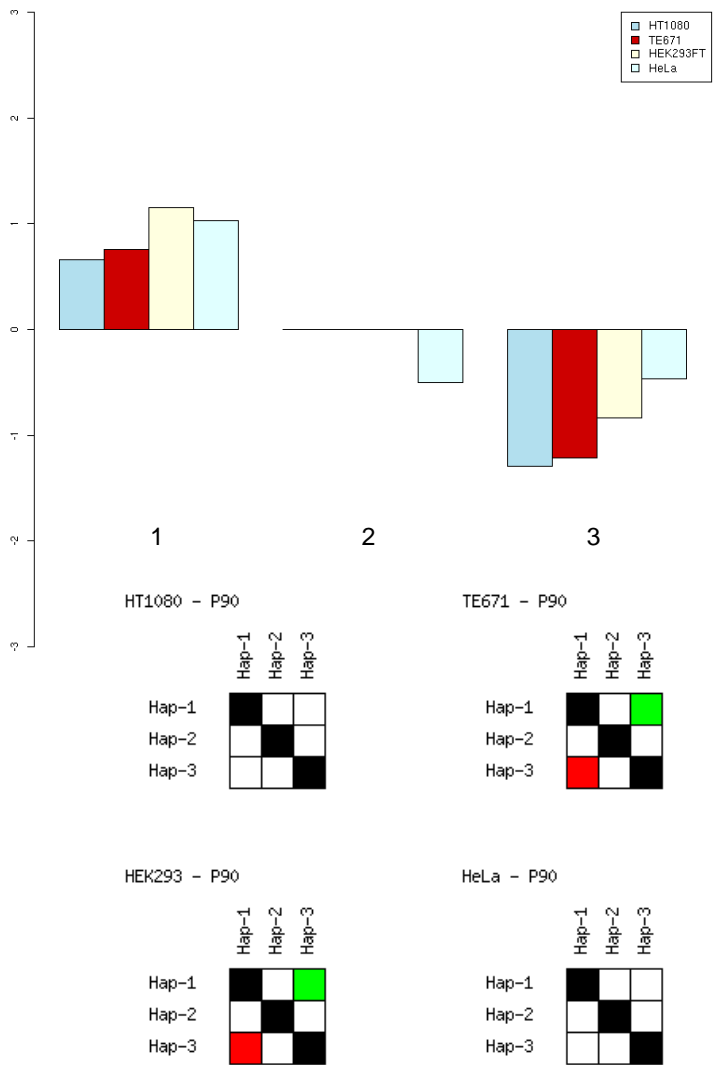
P88 – MPPED1



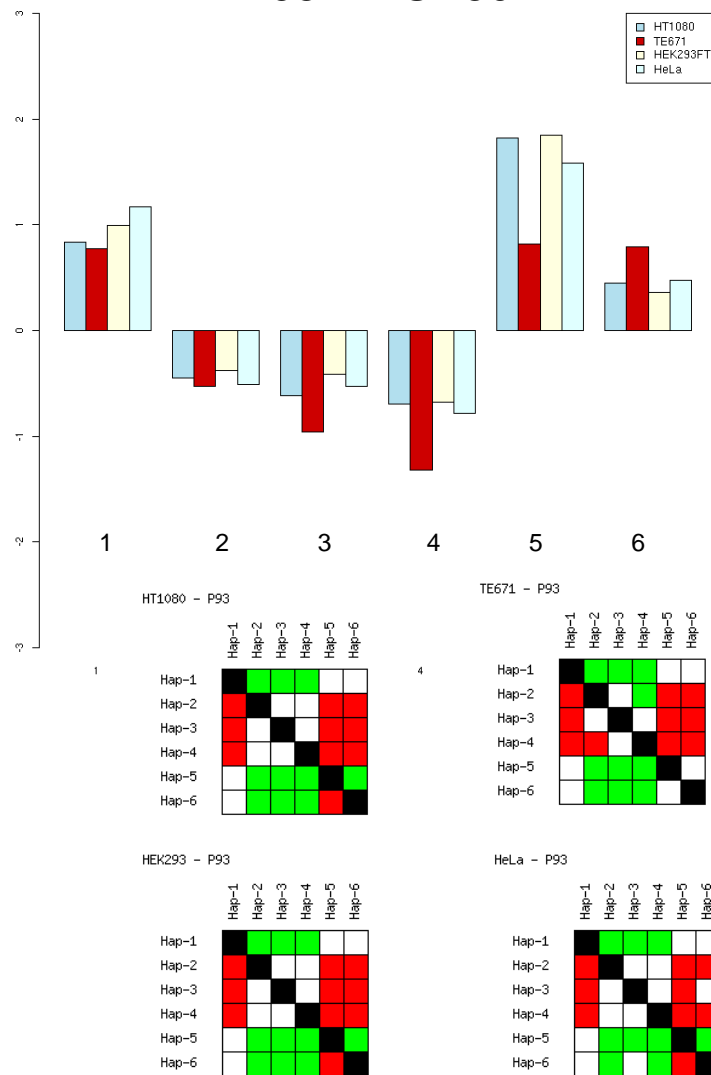
P89 – PNPLA5



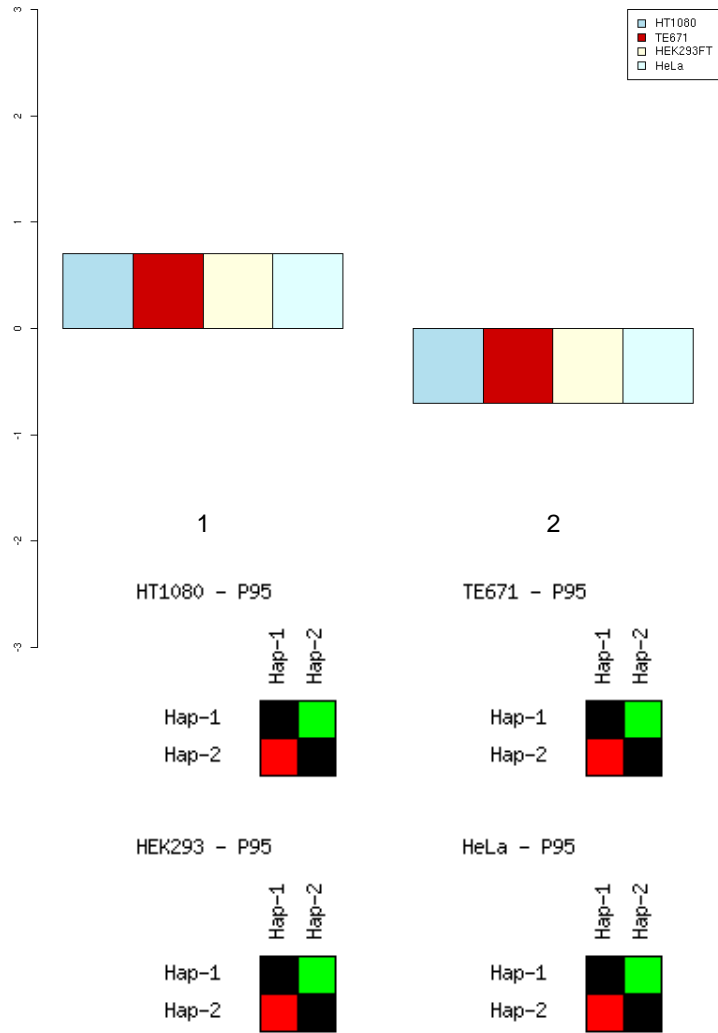
P90 – SAMM50



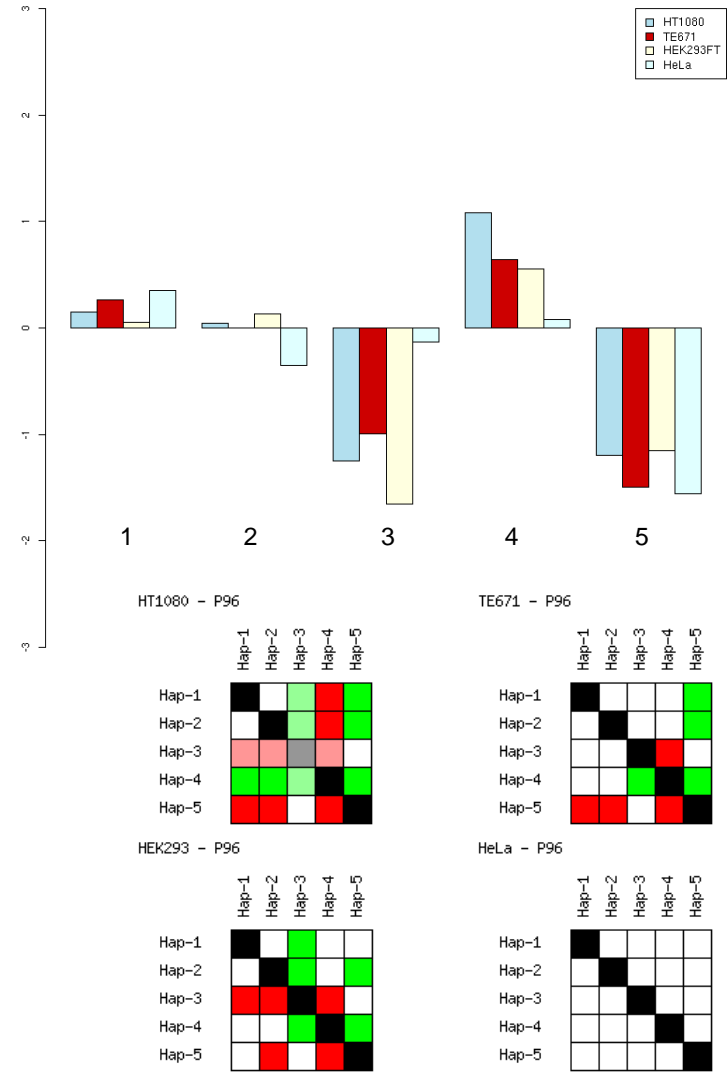
P93 – NUP50



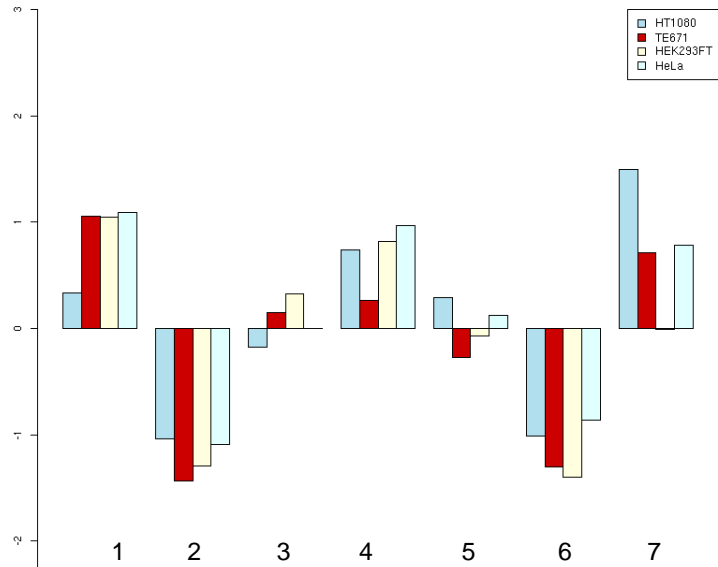
P95 – C22orf8



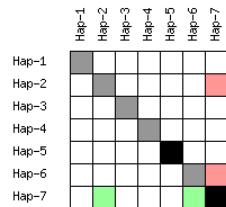
P96 – RIBC2



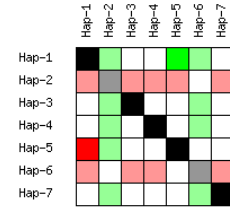
P97 – SMC1L2



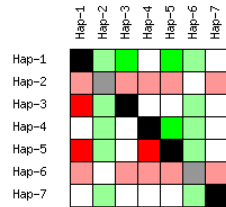
HT1080 - P97



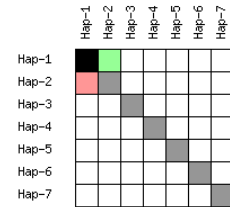
TE671 - P97



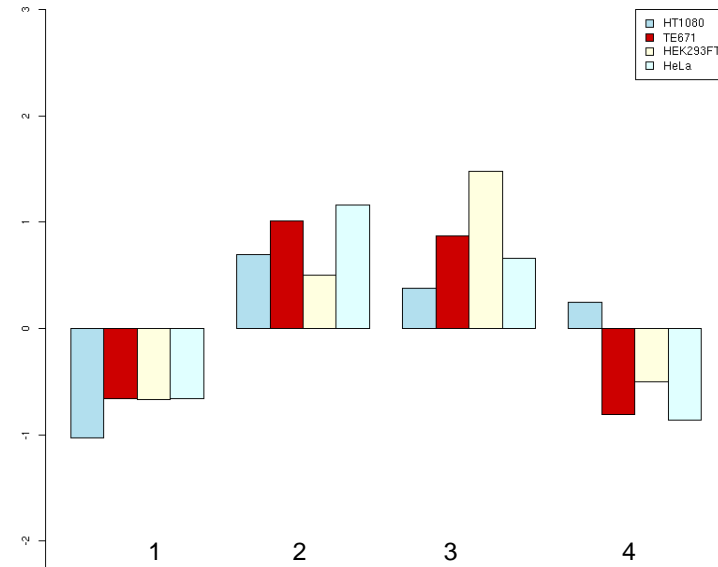
HEK293 - P97



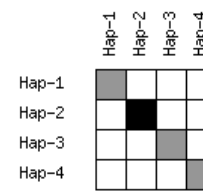
HeLa - P97



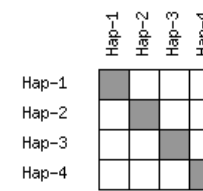
P98 – OTTHUM00000030109



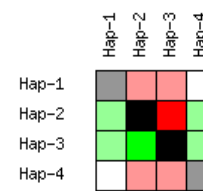
HT1080 - P98



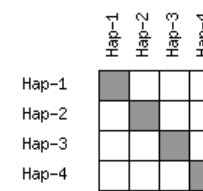
TE671 - P98



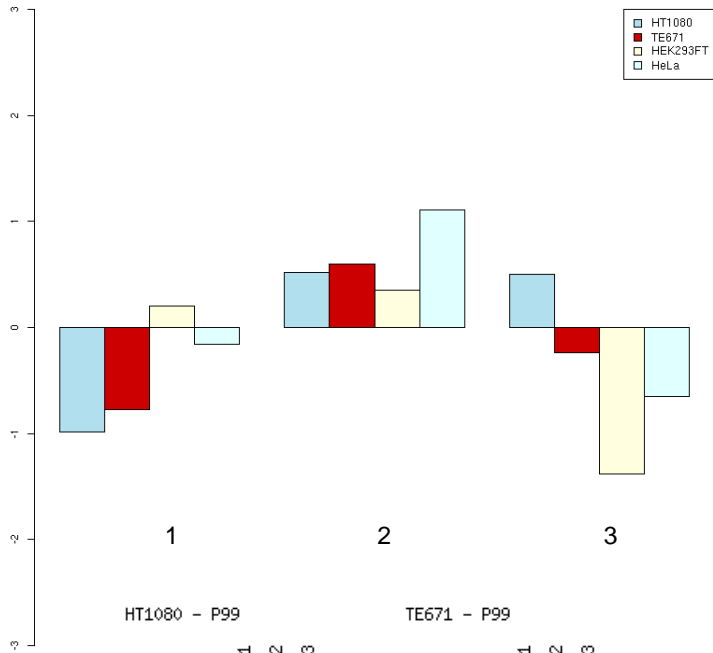
HEK293 - P98



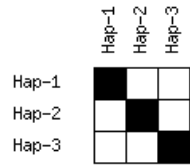
HeLa - P98



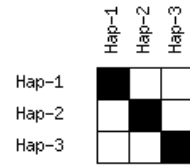
P99 – OTTHUM00000030672



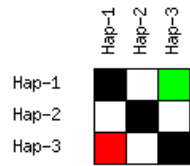
HT1080 - P99



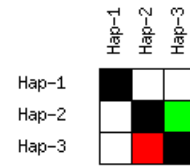
TE671 - P99



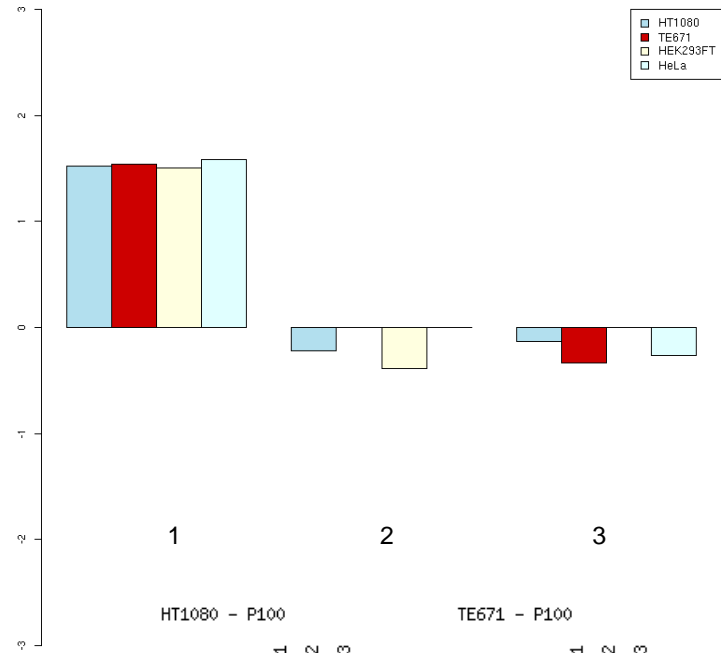
HEK293 - P99



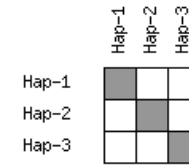
HeLa - P99



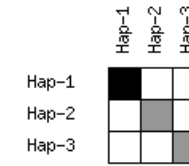
P100 – PKDREJ



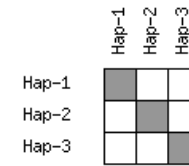
HT1080 - P100



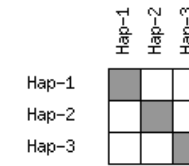
TE671 - P100



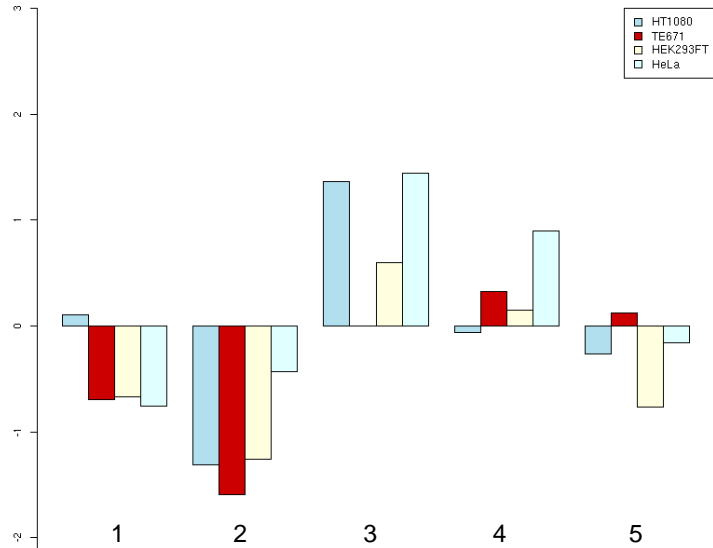
HEK293 - P100



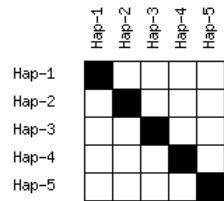
HeLa - P100



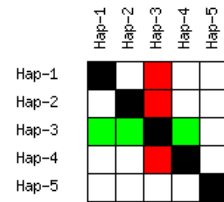
P102 – TBC1D22A



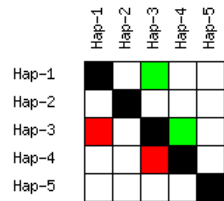
HT1080 - P102



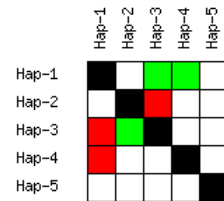
TE671 - P102



HEK293 - P102



HeLa - P102



Appendix F – *De novo* generated motifs matching JASPAR

	Promoter Motif	Score	JASPAR Motif	
UPK3A-motif0		0.769		CREB1
SMARCB1-motif3		0.900		CREB1
SREBF2-motif1		0.933		Arnt-Ahr
OTTHUMG00000030620-motif2		1.02		c-ETS
OTTHUMG00000030620-motif1		1.08		YY1
HSPC117-motif0		1.08		FOXL1
ZMAT5-motif3		1.11		Pax2
SUHW1-motif1		1.24		FOXL1
GTPBP1-motif0		1.27		CREB1
SMC1L2-motif3		1.28		SPIB
NAGA-motif2		1.31		c-ETS
HSPC117-motif1		1.32		Ubx
ZMAT5-motif1		1.32		SP1
NUP50-motif3		1.33		SPIB
GNB1L-motif3		1.34		SP1
SUHW1-motif0		1.36		FOXI1
C22orf5-motif4		1.36		SPIB
LIMK2-motif1		1.37		Pax2
PIK4CA-motif3		1.37		SPI1
UFD1L-motif0		1.39		Arnt

	Promoter Motif	Score	JASPAR Motif	
	PPM1F-motif3	1.39		ABI4
	OTTHUMG00000030620-motif0	1.41		En1
	ZNF74-motif3	1.41		SPI1
	NCF4-motif2	1.43		Klf4
	TBX1-motif2	1.44		SPI1
	FBXO7-motif4	1.44		SPIB
	OTTHUMG00000030620-motif3	1.45		RUSH1-alfa
	MFNG-motif4	1.47		SPI1
	HSPC117-motif4	1.49		FOXL1
	NEFH-motif0	1.50		Arnt-Ahr
	NAGA-motif4	1.50		Pax2
	OTTHUMG00000030620-motif4	1.51		c-ETS
	PGEA1-motif3	1.51		SPI1
	RR22_HUMAN-motif3	1.51		MNB1A
	RR22_HUMAN-motif2	1.53		c-ETS
	OTTHUMG00000030175-motif4	1.53		c-ETS
	VPREB1-motif2	1.54		SP1
	PSCD4-motif1	1.55		Klf4
	COMT-motif0	1.56		SP1
	CSF2RB-motif0	1.56		HMG-1
	MN1-motif1	1.56		Myf

	Promoter Motif	Score	JASPAR Motif	
OTTHUMG00000030194-motif3		1.56		Myf
PSCD4-motif0		1.58		c-ETS
SAMM50-motif1		1.58		MafB
COMT-motif1		1.59		SP1
OTTHUMG00000030194-motif1		1.61		c-ETS
SUHW1-motif4		1.61		RUSH1-alfa
PSCD4-motif2		1.62		NHLH1
OTTHUMG00000030175-motif0		1.62		NHLH1
SUHW1-motif2		1.63		FOXL1
AP1B1-motif1		1.63		ZNF42_1-4
NUP50-motif4		1.65		FOXL1
PNPLA5-motif3		1.66		ABI4
SAMM50-motif3		1.66		ID1
CRYBB3-motif4		1.67		Pax2
CLDN5-motif0		1.67		RUSH1-alfa
ZMAT5-motif2		1.68		c-ETS
UBE2L3-motif1		1.69		ABI4
OTTHUMG00000030194-motif4		1.71		SP1
OTTHUMG00000030384-motif3		1.71		Arnt-Ahr
CSF2RB-motif4		1.72		ZNF42_1-4
HORMAD2-motif0		1.73		c-ETS

	Promoter Motif	Score	JASPAR Motif	
CSF2RB-motif2		1.73		ZNF42_5-13
GNB1L-motif4		1.73		SP11
NCF4-motif4		1.74		RUSH1-alfa
SRR1L-motif4		1.74		RUSH1-alfa
MN1-motif4		1.74		c-ETS
OTTHUMG00000030205-motif0		1.75		ABI4
PCQAP-motif4		1.75		c-ETS
COMT-motif2		1.78		ABI4
LIMK2-motif2		1.78		SP1
C22orf8-motif2		1.78		SPIB
OTTHUMG00000030257-motif1		1.79		HAND1-TCF3
PPM1F-motif4		1.80		ZNF42_1-4
APOBEC3B-motif2		1.81		ABI4
AP1B1-motif0		1.82		Macho-1
PARVG-motif3		1.82		SP1
UFD1L-motif1		1.82		ABI4
LIMK2-motif4		1.83		c-ETS
GTPBP1-motif3		1.83		ABI4
OTTHUMG00000030172-motif1		1.83		MafB
NUP50-motif2		1.83		SP1

	Promoter Motif	Score	JASPAR Motif	
OTTHUMG00000030087-motif2		1.84		IRF1
NCF4-motif3		1.85		Pax2
GTPBP1-motif2		1.85		RUSH1-alfa
TBC1D22A-motif0		1.86		SP1
GNB1L-motif0		1.87		MatB
GALR3-motif3		1.88		Arnt-Ahr
RR22_HUMAN-motif0		1.89		HMG-1
OTTHUMG00000030194-motif0		1.89		ABI4
CSF2RB-motif3		1.90		Pax2
NIPSNAP1-motif1		1.91		Myf
HMG2L1-motif4		1.91		TFAP2A
PCQAP-motif2		1.91		ABI4
GNB1L-motif1		1.92		c-ETS
AP1B1-motif4		1.92		RUSH1-alfa
GALR3-motif2		1.92		TFAP2A
OTTHUMG00000030087-motif1		1.92		TFAP2A
OTTHUMG00000030205-motif3		1.92		Klf4
C22orf5-motif2		1.93		TFAP2A
DGCR14-motif1		1.93		RUSH1-alfa
DEPDC5-motif2		1.94		c-ETS
C22orf8-motif3		1.94		Pax2

	Promoter Motif	Score	JASPAR Motif	
PARVG-motif4		1.95		ABI4
SUHW1-motif3		1.95		c-ETS
OTTHUMG00000030143-motif1		1.95		ABI4
RR22_HUMAN-motif1		1.95		Myf
SMARCB1-motif4		1.96		NHLH1
PNPLA5-motif1		1.97		Klf4
PIK4CA-motif4		1.98		RUSH1-alfa
PHF5A-motif3		1.98		SP1
RIBC2-motif1		2.00		SP1