

Additional File 2: The analysis of genes deviating from the diagonal lines of the Q-Q plots for chromosomes-1, -3, -6, -13, -21, and -X

<i>Symbol</i>	Position	Size	Intron Alu density	Exon Alu density
<i>C1orf189</i>	1q21.3	6962	5.703	0.000
<i>TRNAU1AP</i>	1p35.3	25529	5.601	0.516
<i>RBP7</i>	1p36.22	18823	5.486	1.529
<i>GABPB2</i>	1q21.2	47928	5.343	0.512
<i>GJA9</i>	1p34	7551	4.895	0.000
<i>LZIC</i>	1p36.22	13051	4.732	0.000
<i>GMEB1</i>	1p35	46143	4.511	0.000
<i>TAF12</i>	1p35	39994	4.367	0.000
<i>NMNAT1</i>	1p36.22	42071	4.224	0.000
<i>TMEM82</i>	1p36.13	5561	4.023	0.000
<i>SNAPIN</i>	1q22	3181	3.980	0.000
<i>LCE5A</i>	1q21.3	1334	3.846	0.000
<i>C3orf45</i>	3p21.31	9028	6.078	0.000
<i>SLC25A20</i>	3p21.31	42047	4.774	0.000
<i>QRICH1</i>	3p21.31	64363	4.319	0.000
<i>ISY1</i>	3q21.3	31795	3.323	0.000
<i>RHOA</i>	3p21.3	52948	3.175	0.521
<i>USP4</i>	3p21.3	62960	3.088	0.000
<i>PRKAR2A</i>	3p21.3-p21.2	97178	3.086	0.000
<i>C3orf10</i>	3p25.3	11542	3.032	0.850
<i>TCTEX1D2</i>	3q29	27068	3.005	1.490
<i>MON1A</i>	3p21.31	21143	2.971	0.000
<i>VHL</i>	3p25.3	10428	2.965	0.692
<i>LSM2</i>	6p21.3	9570	5.876	0.000
<i>HSPA1L</i>	6p21.3	5440	5.372	0.000
<i>LY6G6F</i>	6p21	3689	4.926	0.000
<i>C6orf153</i>	6p21.1	7953	4.815	0.000
<i>NCR3</i>	6p21.3	3972	4.754	0.000
<i>GTF3C6</i>	6q21	9327	4.165	0.000

<i>NUP43</i>	6q25.1	22232	4.071	1.040
<i>TUBA3C</i>	13q12.11	8019	2.665	0.000
<i>SKA3</i>	13q11	23007	1.815	0.000
<i>TRIM13</i>	13q14	21461	1.749	0.288
<i>FLT3</i>	13q12	97319	1.704	0.000
<i>C13orf1</i>	13q14.3	23784	1.691	0.653
<i>NDUFV3</i>	21q22.3	16396	3.465	0.718
<i>CBR3</i>	21q22.2	11598	3.043	0.000
<i>C21orf57</i>	21q22.3	8622	2.720	0.000
<i>CHAF1B</i>	21q22.2	31437	2.413	0.000
<i>DOPEY2</i>	21q22.2	129734	2.213	0.130
<i>TMEM50B</i>	21q22.1	30834	2.095	0.429
<i>MORC3</i>	21q22.13	56457	2.082	0.000
<i>C21orf58</i>	21q22.3	22739	2.054	0.674
<i>DSCR6</i>	21q22.2	13094	1.848	0.896
<i>IFNGR2</i>	21q22.1	34627	1.681	1.351
<i>TMEM187</i>	Xq28	10656	4.127	0.000
<i>AKAP14</i>	Xq24	19057	3.647	0.000
