

Supporting Information

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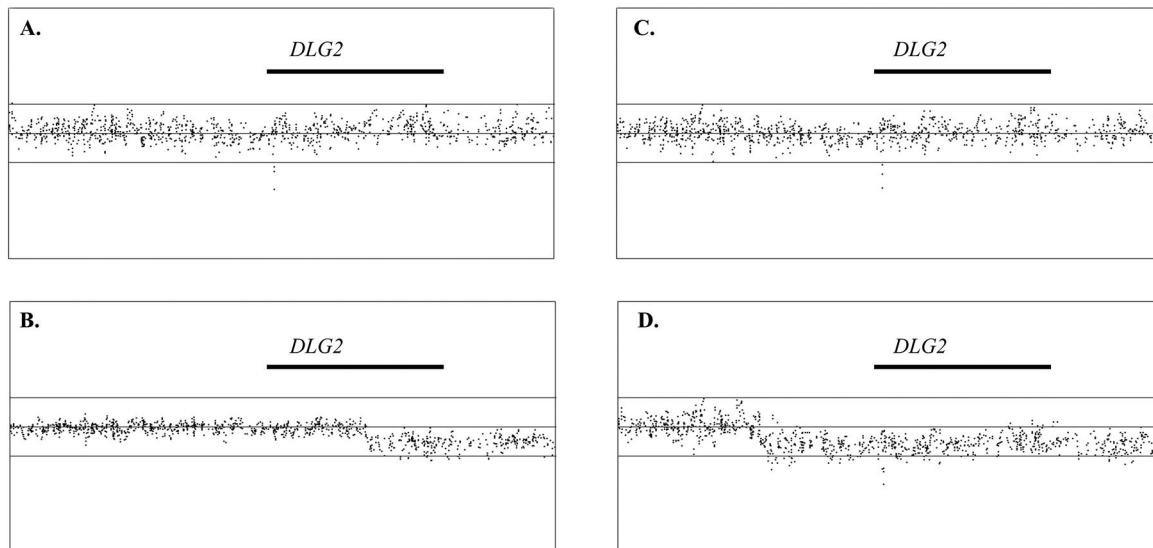


Fig. S1. SNP array analysis results from the 250K Nsp and the 250K Sty arrays showing deletions in the region 80,095,773–85,771,543 bp at 11q14.1, including the *DLG2* gene, in cases 36 (A), 20 (B), 22 (C), and 18 (D). Each dot represents the \log_2 ratio of one SNP with a moving average of three SNPs. The top line represents a \log_2 ratio of 1, the middle line a \log_2 ratio of 0, and the lower line a \log_2 ratio of -1 . Homozygous deletions involving three SNPs are seen in A and C, whereas B and D display larger hemizygous deletions with different breakpoints. All three deleted SNPs in A and B showed low \log_2 ratios without moving average being used; however, the \log_2 ratio of the middle SNP was lowest, resulting in the deletion involving three SNPs also when a moving average of three was used.

Table S2. *CDKN2A (P16)* deletions detected in 45 adult ALL cases

Start position* (Mb)	End position* (Mb)	Size Mb (max Mb) [†]	Type	Including <i>CDKN2B</i> (P15)	Associated change	Case	Comment
19.776217 (19.750153)	22.420804 (22.474016)	2.644587 (2.723863)	HoD	Yes	HeD	37	
21.836327 (21.823659)	21.978896 (21.981752)	0.142569 (0.158093)	HoD	No	pUPD	36	
21.880326 (21.859079)	22.088619 (22.093813)	0.208293 (0.234734)	HoD	Yes	pUPD	39	
21.047062 (21.045413)	22.742380 (22.747714)	1.695318 (1.702301)	HoD	Yes	HeD	16	
21.968443 (21.948524)	22.021005 (22.031998)	0.052562 (0.083474)	HoD	Yes	HeD	2	
21.968443 (21.948524)	21.999960 (22.007836)	0.031517 (0.059312)	HoD	Yes	HeD	3	
21.669152 (21.663608)	22.571260 (22.582589)	0.902108 (0.918981)	HoD	Yes	HeD	15	
21.899000 (21.880326)	21.978896 (21.988733)	0.079896 (0.108407)	HoD	No	HeD	4	<i>CDKN2B (P15)</i> hemizyously deleted
21.935605 (21.944953)	22.008781 (22.018801)	0.073176 (0.073848)	HoD	Yes	HeD	27	
21.823659 (21.818110)	22.152238 (22.158128)	0.328579 (0.340018)	HoD	Yes	HeD	5	
21.248474 (21.225216)	22.197037 (22.209365)	0.948563 (0.984149)	HoD	Yes	HeD	23	
21818110 (21797994)	25.577832 (25.581948)	3.759722 (3.783954)	HoD	Yes	HeD	42	
19.463612 (19.458614)	22.420804 (22.474016)	2.957192 (3.015402)	HoD	Yes	pUPD	19	
21.899000 (21.880326)	21.995330 (21.999960)	0.09633 (0.119634)	HoD	Yes	HeD	8	
21.823659 (21.818110)	21.981752 (21.988733)	0.158093 (0.170623)	HoD	No	pUPD	32	
21.763167 (21.757404)	21.999960 (22.007836)	0.236793 (0.250432)	HoD	Yes	pUPD	10	
20.833841 (20.824837)	23.413785 (23.430715)	2.579944 (2.605878)	HoD	Yes	HeD	38	
0.030910 (0)	45.028875 (66.266293)	44.997965 (66.266293)	HeD	Yes	N/A	17	
20.629801 (20.615875)	45.028875 (66.266293)	24.399074 (45.650418)	HeD	Yes	N/A	41	
21.225442 (21.218285)	22.402948 (22.420804)	1.177506 (1.202519)	HeD	Yes	N/A	24	
21.248474 (21.228127)	22.209365 (22.227321)	0.960891 (0.981238)	HeD	Yes	N/A	26	

ALL, acute lymphoblastic leukemia; Mb, megabases; HoD, homozygous deletion; HeD, hemizygous deletion; N/A, not applicable.

*Positions are given for first abnormal SNP and in brackets for first normal neighboring SNP. All positions are according to NCBI Build 36.

[†]Distance between first and last abnormal SNPs, in parentheses between normal neighboring SNPs.

Table S4. Gains of 1q detected in 45 adult ALL cases

Start position, Mb (max Mb)*	End position Mb (max Mb)*	Size Mb (max Mb) [†]	Case	Expected cytogenetic aberration	Comment
0.742429 (0.775852)	247.110269 (247.110269)	246.367840 (246.334417)	11	+1	Trisomy 1
141.510591 (120.953314)	146.292286 (147.216118)	4.781695 (26.262804)	16	dup(1)(q12q21.1)	Possibly CNP [‡]
141.510591 (120.953314)	247.110269 (247.110269)	105.599678 (126.156955)	22	dup(1)(q12q44)	All of 1q
141.510591 (120.953314)	247.110269 (247.110269)	105.599678 (126.156955)	1	dup(1)(q12q44)	All of 1q
141.510591 (120.953314)	215.402418 (215.407074)	73.891827 (94.453760)	18	dup(1)(q12q41)	Three consecutive gains
215.516892 (215.509261)	216.223617 (216.241657)	0.706725 (0.732396)	18	dup(1)(q41q41)	Three consecutive gains
216.555832 (216.241657)	247.110269 (247.110269)	30.554437 (30.868612)	18	dup(1)(q41q44)	Three consecutive gains
141.510591 (120.953314)	195.393272 (195.482842)	53.882681 (74.529528)	13	dup(1)(q12q31.3)	
152.959805 (152.950730)	154.321968 (154.326774)	1.362163 (1.376044)	17	dup(1)(q22q22)	Minimally gained region

ALL, acute lymphoblastic leukemia; Mb, megabases; CNP, copy number polymorphism.

*Positions are given for first abnormal SNP and in brackets for first normal neighbouring SNP. All positions are according to NCBI Build 36.

[†]Distance between first and last abnormal SNPs, in brackets between normal neighbouring SNPs.

[‡]Overlapping with reported known CNP (Database of Genomic Variants; <http://projects.tcag.ca/variation/>).

Table S5. Minimally deleted 6q regions involved in more than two adult ALL cases

Start position* (Mb)	End position* (Mb)	Cases	Genes in region	Comment
77.496587	77.497656	5, 11, 17, 18, 29	<i>MYO6</i>	Possible CNP [†]
79.325534	89.324095	5, 17, 41	≈40 genes	
103.242724	103.537117	5, 17, 34, 45	No genes	
108.863061	109.313107	5, 17, 18, 34, 45	<i>LACE1, FOXO3, ARMC2</i>	
109.328539	109.429247	5, 17, 34, 45	<i>ARMC2, SESN1</i>	
109.441151	109.610493	5, 17, 18, 34, 45	<i>SESN1, KIF6</i>	
111.647065	112.403213	5, 17, 18, 34, 45	<i>KIAA1919, REV3L, TRAF3IP2, FYN</i>	

ALL, acute lymphoblastic leukemia; Mb, megabases; CNP, copy number polymorphism.

*Positions are given for first abnormal SNP. All positions are according to NCBI Build 36.

[†]Overlapping with reported known CNP (Database of Genomic Variants; <http://projects.tcag.ca/variation/>).

Other Supporting Information Files

[Dataset S1](#)