46,XX.arr 17q21.31.seq[GRCh37/hg19]del(17)pter→q21.31(43691189)::q21.31(44354365) →qter)

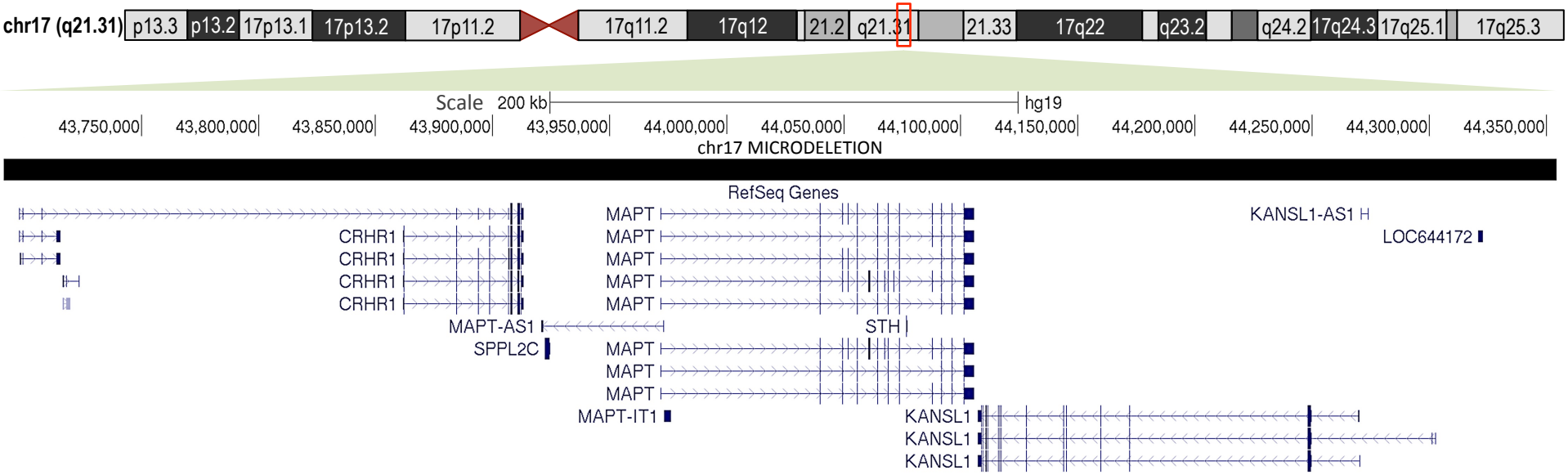

Figure S1: Chromosome 17 microdeletion. The deleted region spans ~663kb and includes the gene *KANSL1*, which has been described as the causative gene in the 17q21.31 microdeletion syndrome (Koolen de Vries Syndrome).

Table S1: Breakpoints from Crest, Breakdancer, SV-STAT, CGAP-CNV and IGV for translocations and microdeletion.

PROGRAM	CHR1	POS1	RDIR	CHR2	POS2	DIR	SCORE	TYPE
t(6;12)(p11;q24) ; FCP637 ; Hepatic Adenomas and MODY3								
SV-STAT	6	44758573	+	12	121420332	-	4.80322	CTX
SV-STAT	6	44758577	-	12	121420346	+	3.53441	CTX
BREAKDANCER	6	44759120	10+19-, 29	12	121419939	10+19-, 29	.	CTX
CREST	6	44758573	+, 6	12	121420332	-,9	.	CTX
chr17 microdeletion ; FCP637 ; Hepatic Adenomas and MODY3								
CGAP-CNV, 1000	17	43669273	.	17	44350904	.	.	DEL
CGAP-CNV, 3000	17	43667707	.	17	44353491	.	.	DEL
Manual-IGV	17	43691189	.	17	44354365	.	.	DEL
t(5;18)(q34;q21) ; FCP672 ; Hodgkin's Lymphoma								
SV-STAT	18	50099306	+	5	168236812	+	4.68758	CTX
SV-STAT	18	50099293	+	5	168236813	+	4.72637	CTX
CREST	18	50099306	+,4	5	168236812	+,7	.	CTX
CREST	5	168236813	+,6	18	50099293	+,6	.	CTX
BREAKDANCER	5	168237353	21+15-,36	18	50098891	16+21-,36	.	CTX

Table S2: References of t(5;18) Malignant Translocations in Leukemic and Hematologic Cancers

AUTHORS	YEAR	TITLE	JOURNAL
Wong KF, Chu Y, Chung J	1995	*Chronic myelomonocytic leukemia with a novel t(5;18) translocation*	Cancer Genet Cytogenet 85: 89
Sashida G, Tauchi T, Ando K, Kimura Y, Kodama A, et al	2000	*Translocation (5;18) in a patient with myelodysplastic syndrome: Refractory anemia with excess blasts in transformation*	Cancer Genet Cytogenet 121: 230-231
Salamanchuk Z, Jakobczyk M, Mensah P, Skotnicki AB	2001	*Novel translocation (5;18)(q31;q23) in biphenotypic acute leukemia*	Cancer Genet Cytogenet 131: 92-93
Wang ES, Maslak P, Cathcart K, Jurcic JG	2001	*Acute myeloid leukemia with t(5;18)(q35;q21)*	Cancer Genet Cytogenet 127: 71-73
Daraki A, Bourantas LK, Manola KN	2013	*Translocation t(5;18)(q35;q21) as a rare nonrandom abnormality in acute myeloid leukemia*	Cytogenet Genome Res 139: 289-294
Wawrzyniak E, Wierzbowska A, Kotkowska A, Siemieniuk-Rys M, Robak T, et al	2013	*Different prognosis of acute myeloid leukemia harboring monosomal karyotype with total or partial monosomies determined by FISH*	Leuk Res 37: 293-299