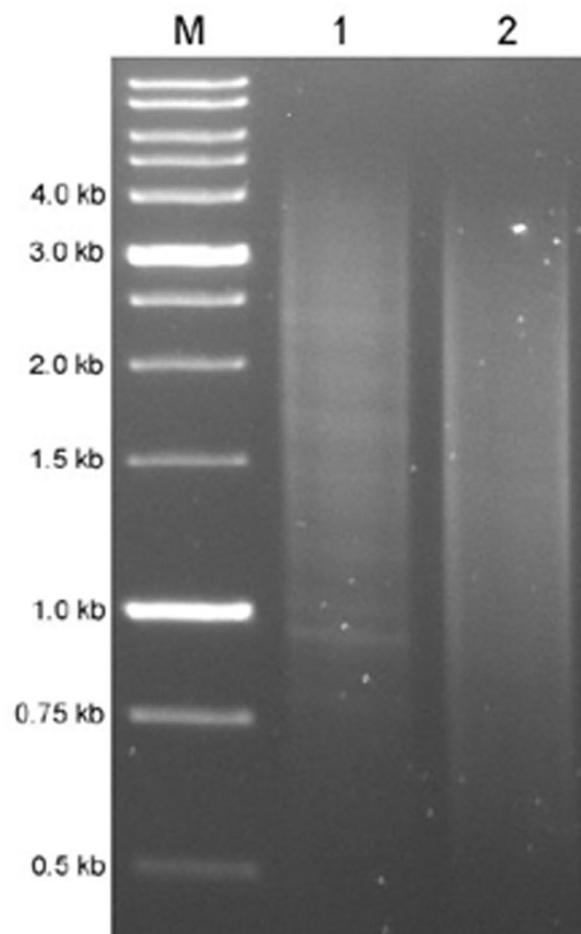


# Supporting Information

Zhao *et al.* 10.1073/pnas.0812945106



**Fig. S1.** Agarose gel picture of cDNA preparation used in 454 sequencing. Agarose gel electrophoresis of amplified cDNA before (1) and after (2) normalization. M stands for 1 kb DNA marker.







**Table S1. Chimeric cDNA identified in 454 reads and validated by RT-PCR**

	Proposed rearrangements	Chromosomes locations	Genes affected	Effect on coding	Uniqueness
Inter-chromosome					
1	intragenic to intergenic	t(5;8)(q35.3;q24.21)	NSD1	Truncation	HCC1954 only
2	intragenic to intragenic	t(5;8)(p15.33;q24.21)	CLPTM1L and PVT1*	Truncation	HCC1954 only
3	intragenic to intergenic	t(5;8)(q23.1;q23.1)	EIF3E*	Truncation	HCC1954 only
4	intragenic to intergenic	t(4;11)(q32;q21)	MRE11A	Truncation	HCC1954 only
5	intragenic to intragenic	t(9;18)(p24.1;q12.2)	PDCD1LG2 and C18orf10	Chimeric protein	HCC1954 only
6	intragenic to intragenic	t(8;12)(p11.21;q12)	SLC20A2 and DBX2*	Truncation	HCC1954 only
7	Intragenic to intergenic	t(8;2)(q24.12;q22.1)	SAMD12	Chimeric protein	HCC1954 only
Intrachromosome					
8	Tandem duplication	5q14.1	JMY	Extension	HCC1954 and HCC1954BL
9	Tandem duplication	6q24.2	UTRN	Truncation	HCC1954 and HCC1954BL
10	Inversion	8q24.12: 8q24.22	SAMD12 and PHF20L1	Truncation	HCC1954 only
11	Tandem duplication	17q12	LCRG1	Extension	HCC1954 and HCC1954BL
12	Inversion	21q21.3: 21q22.11	ZNF294 and TIAM1*	Truncation	HCC1954 and HCC1954BL
13	Translocation	6q26	MAP3K4	Truncation	HCC1954 and HCC1954BL
14	Tandem duplication	7p15	MPP6	Extension	HCC1954 and HCC1954BL
15	Translocation	21q22.11: 21q22.12	IFNGR2 and RUNX1	Truncation	HCC1954 and HCC1954BL
16	Translocation	7q21–22	AKAP9 (Yotiao)	Truncation	HCC1954 and HCC1954BL
17	Translocation	8q24.12: 8q24.21	SAMD12 and PVT1	Truncation	HCC1954 and HCC1954BL

\* Chimeric events identified by additional screening algorithm (see paper text).

**Table S2. Coverage of 454 reads at the break junctions of chimeric and wild-type transcripts**

Genes involved in the chimeras	No. 454 reads traverse the wild-type junction for the first gene involved	No. 454 reads traverse the wild-type junction for the second gene involved	No. 454 reads traverse the chimeric junction
NSD1	5	N/A	10
PVT1 and CLPTM1L	4	1	2
EIF3E	14	N/A	27
MRE11A	6	N/A	4
PDCD1LG2 and C18orf10	0	4	1
SLC20A2 and DBX2	1	0	3
SAMD12	21	N/A	6
PHF20L1 and SAMD12	11	N/A	10