

		DNA Transcription (N=39)											Epigenetic/Histone Modification (N=38)						FLT3 (N=27)		Splicing Factors (N=16)				RAS,RAF, PI3K/ AKT Pathways (N=11)				Others (N=10)				JAK/STAT Pathway (N=4)				DNA Repair (N=2)	
		KMT2A-PTD	RUNX1	WT1	BCOR	CEBPA	CUX1	ETV6	PHF6	GATA2	IKZF1	IRF1	ASXL1	DNMT3A	TET2	IDH1	IDH2	EZH2	FLT3-ITD	FLT3-TKD	U2AF1	SRSF2	SF3B1	PTPN11	NRAS	KRAS	BRAF	STAG2	CBL	SH2B3	NPM1	JAK2	CALR	CSF3R	JAK1	TP53	PPM1D	
Variant per Gene	41	12	5	5	4	3	3	3	2	1	1	9	8	8	6	5	2	22	5	7	5	4	2	5	3	1	5	3	1	1	1	1	1	1	1	1	1	
1	1																											1										
2	1																			1																		
3	1			1																1				1	1				1									
4	1					1		1														1					1							1				
5	1	1											1			1	1	1																				
6	1																	1	1	1																		
7	1																																					
8	1	1		1														1		1					1				1									
9	1	2	2											1				1					2															
10	1																																					
11	1					1							1		1										1												1	
12	1						1								1																							
13	1		1											1			1	2																				
14	1															1		1				1				1												
15	1																			1			1															
16	1																			1			1															
17	1												1		1																							
18	1				1													1																				
19	1	1			1													2	1																			
20	1				1								1														1											
21	1						2							2	1			1																				
22	1			1																1																		
23	1							1					1	1				2																				
24	1	1				1							1						1						1								1					
25	1															1									1													
26	1	1	1	1		1								1				2																				
27	1												1		2																							
28	1			1													1																			1		
29	1	1		1												1			2		1						1											
30	1	1											1	1				1																				
31	1												1																									
32	1																				1												1					
33	1												1					3														1						
34	1	1									1							2		1																		
35	1					1				1																		1	1									
36	1		1					2																														
37	1	1	1										1			1		1			1							1										
38	1	1											1		1						1					1												
39	1												1				1									1												
40	1												1										1															
41	1																																				1	

Figure S1. Co-occurring variants identified in KMT2A-PTD positive cases by NGS. Note that cases 2, 3 and 35 were determined not to have a KMT2A-PTD by MLPA and/or OGM. Variants were classified using the AMP/CAP/ASCO somatic variant classification guidelines (Li et al., 2017, PMID: 27993330). Red: Tier-1 and Tier 2. Grey: Tier-3.