

**Supplementary Table S3.** Primary patient samples information

<b>Sample ID</b>	<b>Sample Type</b>	<b>FLT3 Status</b>	<b>Additional Mutations</b>
U-11-1271	Bone Marrow	WT	
U-11-1363	Bone Marrow	WT	
U-12-1567	Bone Marrow	WT	
U-14-1077	Apheresis	WT	BRINP3, NPM1
U-15-0251	Apheresis	WT	
U-15-2962	Apheresis	WT	FLT3, BCOR
U-07-0614	Bone Marrow	ITD	
U-09-1270	Bone Marrow	ITD	
U-09-1409	Bone Marrow	ITD	
U-10-0874	Bone Marrow	ITD	
U-14-2181	Apheresis	ITD	FLT3, NPM1, RAD21, TET2
U-15-3590	Apheresis	ITD	BCORL1, TET2, NPM1, KMT2A, DNMT3A
AML1	Apheresis	WT	NRAS, WT1