

**Supplemental Data Table S5.** Distribution of mtDNA minisatellite instability in the HV1 and HV2 regions of pediatric AML patients and controls

Location of Poly C tract	Reference sequence	Patterns in pediatric AML	N	%	Patterns in control	N	%	Comment
303 poly C (nt303-315 in HV2)	CCCCCCTCCCCC (7CT6C)	7CT6C, 8CT6C	15	27.3	6CT6C, 7CT6C	1	1.8	Association of T310C
		7CT6C, 8CT6C, 9CT6C	1	1.8	7CT6C, 8CT6C	15	27.3	
		7CT6C, 8CT6C, 9CT6C, 10CT6C	3	5.5	7CT6C, 8CT6C, 9CT6C, 10CT6C	7	12.7	
		7CT6C, 8CT6C, 9CT6C, 10CT6C, 11CT6C	1	1.8	8CT6C, 9CT6C	6	10.9	
		7CT6C, 8CT6C, 9CT6C, 10CT6C, 11CT6C, 12CT6C	1	1.8	8CT6C, 9CT6C, 10CT6C	10	18.2	
		8CT6C, 9CT6C	5	9.1	8CT6C, 9CT6C, 10CT6C, 11CT6C	10	18.2	
		8CT6C, 9CT6C, 10CT6C	10	18.2	8CT6C, 9CT6C, 10CT6C, 11CT6C, 12CT6C	1	1.8	
		8CT6C, 9CT6C, 10CT6C, 11CT6C	7	12.7	10C, 11C, 12C, 13C, 14C, 15C	1	1.8	
		8CT6C, 9CT6C, 10CT6C, 11CT6C, 12CT6C	4	7.3	14C, 15C, 16C, 17C, 18C	1	1.8	
		9CT6C, 10CT6C, 11CT6C 12CT6C	1	1.8	15C, 16C, 17C, 18C, 19C	1	1.8	
		12C, 13C, 15C, 16C, 17C, 18C	1	1.8	15C, 16C, 17C, 18C, 19C, 20C	2	3.6	
		14C, 15C, 16C, 17C	1	1.8				
		14C, 15C, 16C, 17C, 18C, 19C	1	1.8				
		15C, 16C, 17C, 18C	3	5.5				
		15C, 16C, 17C, 18C, 19C	1	1.8				
<b>Total</b>			<b>55</b>	<b>100</b>		<b>55</b>	<b>100</b>	
16,189 poly C (nt16,184-16, 193 in HV1)	CCCCCTCCCC (5CT4C)	4CT4C, 5CT4C	5	9.1	4CT4C, 5CT4C	15	27.3	Association of T16189C
		4CT4C, 5CT4C, 6CT4C, 7CT4C, 8CT4C, 9CT4C	2	3.6	5CT4C	12	21.8	
		4CT4C, 5CT4C, 6CT4C, 7CT4C	1	1.8	5CT4C, 6CT4C, 7CT4C, 8CT4C	2	3.6	
		5CT4C	25	45.5	5CT4C, 6CT4C, 7CT4C, 8CT4C, 9CT4C	2	3.6	
		5CT4C, 6CT4C, 7CT4C, 8CT4C	1	1.8	8CT4C	2	3.6	
		6CT4C	2	3.6	8C, 9C, 10C, 11C, 12C, 13C	1	1.8	
		4C, 5C, 6C, 7C, 8C	1	1.8	9C, 10C, 11C	1	1.8	
		8C, 9C, 10C, 11C	1	1.8	9C, 10C, 11C, 12C	4	7.3	
		8C, 9C, 10C, 11C, 12C, 13C, 14C	1	1.8	9C, 10C, 11C, 12C, 13C	11	20	
		8C, 9C, 10C, 11C	1	1.8	9C, 10C, 11C, 12C, 13C, 14C	1	1.8	
		8C, 9C, 10C, 11C, 12C	1	1.8	10C, 11C	1	1.8	
		9C, 10C, 11C, 12C, 13C	2	3.6	10C, 11C, 12C	3	5.5	
		9C, 10C, 11C, 12C	3	5.5				
		9C, 10C, 11C, 12C, 13C	5	9.1				
		10C, 11C, 12C, 13C	3	5.5				
10C, 11C, 12C, 13C, 14C	1	1.8						
<b>Total</b>			<b>55</b>	<b>100</b>		<b>55</b>	<b>100</b>	
514 CA (nt514-523 in HV2)	CACACACACA (CA) 5repeats	(CA)4	19	34.5	(CA)4	19	34.5	
		(CA)5	36	65.5	(CA)5	36	65.5	
<b>Total</b>			<b>55</b>	<b>100</b>		<b>55</b>	<b>100</b>	