

Appendix 1.

Table 3. Summary of mtDNA sequence variation in bone marrow cells from pediatric leukemia patients without prior chemotherapy.

Patient	Nucleotide position	Gene/Region	Change	Hetero/homoplasmic	Result	
P1	152	D loop	T>C	Homoplasmic	Polymorphism	
	263	D loop	A>G	Homoplasmic	Polymorphism	
	16519	D loop	T>C	Homoplasmic	Polymorphism	
	8860	ATPase 6	A>G	Homoplasmic	Thr>Ala Polymorphism	
	9071	ATPase 6	C>T	Homoplasmic	Ser>Leu Polymorphism	
	15326	cytB	A>G	Homoplasmic	Thr>Ala Polymorphism	
P2	73	D loop	A>G	Homoplasmic	Polymorphism	
	150	D loop	C>T	Homoplasmic	Polymorphism	
	195	D loop	T>C	Homoplasmic	Polymorphism	
	215	D loop	A>G	Homoplasmic	Polymorphism	
	263	D loop	A>G	Homoplasmic	Polymorphism	
	295	D loop	C>T	Homoplasmic	Polymorphism	
	319	D loop	T>C	Homoplasmic	Polymorphism	
	489	D loop	T>C	Homoplasmic	Polymorphism	
	514	D loop	CA insertion	Homoplasmic	Polymorphism	
	16069	D loop	C>T	Homoplasmic	Polymorphism	
	16126	D loop	T>C	Homoplasmic	Polymorphism	
	16145	D loop	G>A	Homoplasmic	Polymorphism	
	16231	D loop	T>C	Homoplasmic	Polymorphism	
	16261	D loop	C>T	Homoplasmic	Polymorphism	
		3688	ND1	G>A	Heteroplasmic	Ala>Thr Unknown
		4216	ND1	T>C	Homoplasmic	Tyr>His Polymorphism
		7789	COXII	G>A	Homoplasmic	Polymorphism
		8860	ATPase6	A>G	Homoplasmic	Thr>Ala Polymorphism
	15257	cytB	G>A	Homoplasmic	Asp>Asn Polymorphism	
	15326	cytB	A>G	Homoplasmic	Thr>Ala Polymorphism	
	15452	cytB	C>A	Homoplasmic	Leu-Ile Polymorphism	
P3	263	D loop	A>G	Homoplasmic	Polymorphism	
	3505	ND1	A>G	Homoplasmic	Thr>Ala Polymorphism	
	8860	ATPase6	A>G	Homoplasmic	Thr>Ala Polymorphism	
	15326	cytB	A>G	Homoplasmic	Thr>Ala Polymorphism	
	15758	cytB	A>G	Homoplasmic	Ile>Val Polymorphism	
P4	73	D loop	A>G	Homoplasmic	Polymorphism	
	263	D loop	A>G	Homoplasmic	Polymorphism	
	303	D loop	1C insertion	Homoplasmic	Polymorphism	
	4216	ND1	T>C	Homoplasmic	Tyr>His Polymorphism	
	8697	ATPase 8	G>A	Homoplasmic	Met>Met Polymorphism	
	8715	ATPase 6	T>C	Homoplasmic	Thr>Thr Polymorphism	

Table 3a. Summary of mtDNA sequence variation in bone marrow cells from pediatric leukemia patients without prior chemotherapy.

Patient	Nucleotide position	Gene/Region	Change	Hetero/homoplasmic	Result
P4	8860	ATPase 6	A>G	Homoplasmic	Thr >Ala Polymorphism
	14905	cytB	G>A	Homoplasmic	Met>Met Polymorphism
	15257	cytB	G>A	Heteroplasmic	Asp>Asn Polymorphism
	15326	cytB	A>G	Homoplasmic	Thr>Ala Polymorphism
	15452	cytB	C>A	Homoplasmic	Leu>Ile Polymorphism
	15607	cytB	A>G	Homoplasmic	Lys>Lys Polymorphism
	16126	D loop	T>C	Homoplasmic	Polymorphism
	16294	D loop	C>T	Homoplasmic	Polymorphism
	16296	D loop	C>T	Homoplasmic	Polymorphism
	16519	D loop	T>C	Homoplasmic	Polymorphism
P5	73	D loop	A>G	Homoplasmic	Polymorphism
	152	D loop	T>C	Homoplasmic	Polymorphism
	185	D loop	G>A	Homoplasmic	Polymorphism
	228	D loop	G>A	Homoplasmic	Polymorphism
	263	D loop	A>G	Homoplasmic	Polymorphism
	295	D loop	C>T	Homoplasmic	Polymorphism
	462	D loop	C>T	Homoplasmic	Polymorphism
	489	D loop	T>C	Homoplasmic	Polymorphism
	546	D loop	A>G	Homoplasmic	Polymorphism
	4216	ND1	T>C	Homoplasmic	Tyr>His Polymorphism
	8860	ATPase6	A>G	Homoplasmic	Thr >Ala Polymorphism
	14766	cytB	C>T	Heteroplasmic	Leu>Leu Polymorphism
	14798	cytB	T>C	Homoplasmic	Phe>Leu Polymorphism
	15326	cytB	A>G	Homoplasmic	Thr >Ala Polymorphism
	15452	cytB	C>A	Homoplasmic	Leu>Ile Polymorphism
15706	cytB	A>G	Homoplasmic	Leu>Leu Polymorphism	
16069	D loop	C>T	Homoplasmic	Polymorphism	
16126	D loop	T>C	Homoplasmic	Polymorphism	
16261	D loop	C>T	Homoplasmic	Polymorphism	
P6	73	D loop	A>G	Homoplasmic	Polymorphism
	152	D loop	T>C	Homoplasmic	Polymorphism
	189	D loop	A>G	Homoplasmic	Polymorphism
	194	D loop	C>T	Homoplasmic	Polymorphism
	195	D loop	T>C	Homoplasmic	Polymorphism
	204	D loop	T>C	Homoplasmic	Polymorphism
	207	D loop	G>A	Homoplasmic	Polymorphism
	263	D loop	A>G	Homoplasmic	Polymorphism
	303	D loop	1C insertion	Homoplasmic	Polymorphism
	3505	ND1	A>G	Homoplasmic	Thr>Ala Polymorphism
	8251	ATPase8	G>A	Homoplasmic	Gly>Gly Polymorphism

Table 3b. Summary of mtDNA sequence variation in bone marrow cells from pediatric leukemia patients without prior chemotherapy.

Patient	Nucleotide position	Gene/Region	Change	Hetero/homoplasmic	Result
P6	8860	ATPase6	A>G	Homoplasmic	Thr >Ala Polymorphism
	8994	ATPase6	G>A	Homoplasmic	Leu>Leu Polymorphism
	14766	cytB	C>T	Homoplasmic	Ile>Thr Polymorphism
	15106	cytB	G>A	Homoplasmic	Leu>Leu Polymorphism
	15326	cytB	A>G	Homoplasmic	Thr>Ala Polymorphism
	15784	cytB	T>C	Homoplasmic	Pro>Pro Polymorphism
	15884	cytB	G>C	Homoplasmic	Ala>Thr Polymorphism
	16223	D loop	C>T	Homoplasmic	Polymorphism
	16292	D loop	C>T	Homoplasmic	Polymorphism
	16519	D loop	T>C	Homoplasmic	Polymorphism