Sample & Cell type	Haplotype <sup>a</sup>	No. of Cell
LAA	Aggregate sequence	56
CD34+	+16068T>Y	1
	+16099C>Y	1
	+16354C>Y	
	+16391G>R	
	+16459C>Y	1
	+16473G>R	1
	+369C>Y	1
	+441C>Y	1
	+557C>Y	1
	+568C>Y	1
	+8CT6C/9CT6C, 571C>Y	1
	7CT6C/8CT6C	
		1
	8CT6C/9CT6C	24
	8CT6C/9CT6C/10CT6C	2
	9CT6C	1
AGM	Aggregate sequence b	42
CD34+	+16339C>Y, 9CT6C/10CT6C/11CT6C	1
CDST	+16378C>Y, 9CT6C/10CT6C, 378C>Y	1
	+129T>Y, 9CT6C/10CT6C	1
	+140C>Y, 9CT6C/10CT6C	2
	+183A>A/T, 9CT6C/10CT6C	1
	+268C>Y, 9CT6C/10CT6C	1
	+9CT6C/10CT6C, 378C>Y	1
	9CT6C, 523-524insAC/non-ins	
	9C 10C, 323-324IIISAC/II0II-IIIS 9CT6C	1 6
	9CT6C/10CT6C	39
MFSS	Aggregate sequence <sup>c</sup>	87
CD33+CD34+	+16131T>Y	1
	+16190C>Y	1
	+52T>Y	1
	+71G>R	1
	+135T>Y	1
	+139T>C	1
	+422T>Y	1
	+556A>R	1
	523-524delAC/non-del	1
	525 52 Idon Conton doi	1
JCS	Aggregate sequence	40
CD33+CD34+	+16025T>Y	1
	+16148C>Y	1
	+16331A>R, 8CT6C/9CT6C	1
	+16353C>Y	1

	+16365C>Y, 8CT6C/9CT6C	1
	+16449C>Y	1
	+16465C>Y, 588T>Y	1
	+56A>R	1
	+112C>Y, 8CT6C/9CT6C	1
	+185G>R, 8CT6C/9CT6C	1
	+8CT6C/9CT6C, 384A>R	1
	+532A>R	1
	523-524delAC/non-del	1
	8CT6C/9CT6C	43
DC	Aggregate sequence	40
CD33+CD34+	+16087A>R, 16150C>Y	1
	+16110G>R	1
	+16123T>Y, 16150C>Y, 8CT6C/9CT6C	1
	+16150C>Y	27
	+16150C>Y, 523-524insAC/non-ins	1
	+16150C>Y, 268C>Y	1
	+16150C>Y, 8CT6C/9CT6C	2
	+16213G>R, 16539A>R	1
	+16228C>Y, 8CT6C/9CT6C	1
	+16257C>Y	1
	+16343A>R	1
	+16359T>Y	1
	+59T>Y	1
	+541C>Y	1
	523-524insAC/non-ins	2
	7CT6C/8CT6C	3
	8CT6C/9CT6C	10
OAM	Aggregate sequence	78
CD33+CD34+	+16098A>R	1
	+16237A>R	1
	+16321C>Y	1
	+16488C>C/A	5
	+16494C>Y	1
	+16498C>Y	1
	+16533T>Y	1
	+64C>Y	1
	+460T>Y	1
	523-524insAC/non-ins	1
relapsed OAM	Aggregate sequence <sup>d</sup>	67
CD33+CD34+	+16103A>R, 16530A>R	1
CD33   CD34	+16164A>A/C	1
	+16164A/A/C +16188insC/non-ins	_
		1
	+16295C>Y, 16488C 16488C	1 25
	10400C	۷3
EMB	Aggregate sequence	62

CD33+CD34+	+16064T>Y, 523-524delAC/non-del	1
	+16204G>R	1
	+16249T>Y, 403T>Y	1
	+16277A>R, 75G>R, 142T>Y	1
	+16290C>Y	1
	+16292C>Y	1
	+16292delC/non-del	1
	+16297T>Y	1
	+16298T>Y	1
	+16324T>Y	1
	+16325T>Y 1	_
	+16366delC/non-del	1
	+16380delC/non-del	1
	+16381T>Y	1
	+16443T>Y	1
	+16510A>R	1
	+16550T>Y	1
	+10T>Y	1
	+42T>Y	1
	+89T>Y	1
	+99T>Y	1
	+152T>Y, 460T>Y	1
	+267T>Y	1
	+321T>Y	1
	+383T>Y	1
	+390A>A/C	1
	+399T>Y	1
		1
	+399T>Y, 495C>Y	1
	+411C>Y	1
	+431C>Y	1
	+538A>R	1
	+556A>R	1
	+583G>R	1
ERR	Aggregate sequence	88
CD33+CD34+	+16262C>Y	2
	+16353C>Y	1
	+16424T>Y	1
	+16429C>Y	1
	+16508C>Y	1
UPN21	Aggregate sequence	75
CD34+	+16380insC/non-ins	1
-	+16560C>Y	1
	+146T>Y	1
	+415A>R, 470A>R	1
	523-524insAC/non-ins	1
	8CT6C/9CT6C	2
UPN21	Aggregate sequence	16
U. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1-20.00mg poduomos	1.0

granulocyte	+16132A>R	1
	+16222C>Y	1
	+16253A>R	1
	+16293A>R	1
	+13A>R	1
	+343C>Y	1
	8CT6C/9CT6C	2
UPN1	Aggregate sequence	123
CD13+CD33+	+16123T>Y	1
	+16286C>Y	1
	+16291C>Y	1
	+143G>R	1
	+390A>R, 493A>R	1
	8CT6C	1
	8CT6C/9CT6C	4
	9CT6C/10CT6C	10
	8CT6C/10CT6C 8CT6C/9CT6C/10CT6C	3
	8C16C/9C16C/10C16C	3
UPN16	Aggregate sequence	83
CD34+	+16356T>Y, 16542C>Y	1
	+405T>Y	1
	+577G>R	1
	7CT6C/8CT6C	6
UPN22	Aggregate sequence	23
CD34+	+16037A>R, 16320C>T	1
CD34+	+16320C>T	2
		1
	+16320C>T, 146T>Y, 195T>C	1 1
	+16320C>T, 195T>C	1
	+16320C>T, 195T>C, 8CT6C/9CT6C	1
	+16320C>T, 9CT6C	1
	+16320C>Y	4
	+16320C>Y, 16380delC/non-del	l
	+16320C>Y, 195T>Y, 8CT6C/9CT6C	1
	+16320C>Y, 8CT6C/9CT6C	1
	+16320C>Y, 8CT6C/9CT6C, 515A>R	1
	+16222C>Y, 16239C>Y, 319T>Y	1
	+(16222), 16239C>T, (319)	1
	+(16222), 16239C>T, 9CT6C, (319), 415A>R	1
	+15C>Y, 9CT6C/10CT6C	1
	9CT6C	6
	8CT6C/9CT6C	12
	8CT6C/9CT6C/10CT6C	4
	9CT6C/10CT6C 1	
UPN22	Aggregate sequence	12
granulocyte	+16029T>Y, 378C>C/A	1
=1 all all OC V tC	+ 1004/14 1. 2100/CU/D	1
8	+16030C>Y	1

	+16122A>R, 9CT6C	1
	+16167C>Y, 8CT6C/9CT6C	1
	+16189T>C	
	+16285A>R, 9CT6C/10CT6C	1
	+16320C>T	1
	+16320C>T, 146T>C, 195T>C	1
	+16320C>T, 195T>C	1
	+16320C>T, 195T>C, 204T>C	1
	+16320C>T, 386C>Y, 550A>R	1
	+16320C>T, 7CT6C	1
	+16320C>T, 8CT6C/9CT6C	1
	+16320C>Y	3
	+16320C>Y, 16329G>G/C, 60T>Y, 7CT6C/8CT6C	1
	+16320C>Y, 16452T>Y, 8CT6C/9CT6C	1
	+16320C>Y, 515A>A/C	1
		2
	+16320C>Y, 8CT6C/9CT6C	2
	+16357T>C, 461C>Y	1
	+16394C>Y, 8CT6C/9CT6C, 456C>Y	1
	+16397T>Y	1
	+16409T>Y	1
	+16450G>G/T, 8CT6C/9CT6C	l
	+16456G>R, 16466A>R, 8CT6C/9CT6C	l
	+16568T>Y	1
	+(16222), 16239C>T, 16368T>Y, (319)	1
	+(16222), 16239C>T, 8CT6C/9CT6C, (319)	2
	+(16222), 16239C>T, 9CT6C, (319)	1
	+(16222), 16239C>T, 9CT6C, (319), 645A>R	1
	+16222C>Y, 16239C>Y, 319T>Y	2
	+16222C>Y, 16239C>Y, 319T>Y, 8CT6C/9CT6C	1
	+186C>T	1
	+195T>C	1
	+266T>Y, 9CT6C	1
	7CT6C/8CT6C	1
	8CT6C/9CT6C	9
	8CT6C/9CT6C, 523-524insAC/non-ins	1
	8CT6C/9CT6C/10CT6C	3
	8CT6C/9CT6C/10CT6C, 523-524insAC/non-ins	1
	9CT6C	3
	70100	5
UPN18	Aggregate sequence	77
CD34+	+16094T>Y, 16158A>R	1
CDJ+	+16179C>Y, 16186C>Y	1
	+161/9C>Y, 16186C>Y +16188C>Y	1 1
		1
	+16484T>C	1
	+573insC/non-ins	1
	7CT6C/8CT6C	2
	8CT6C/9CT6C	8
I ID3 10 0		
UPN20	Aggregate sequence	73
CD34+	+16462T>Y	l

UPN20		523-524insAC/non-ins	11
+16033C>Y, 16500T>Y, 480T>Y +16150C>T +16150C>T 1 +16245C>Y 1 +16245C>Y 1 +16432A>R, 30T>Y 1 +158T>Y 1 +98C>T 1 +139T>Y 1 +438delC/non-del +4466T>Y 1 +522C>Y 1 +571C>Y 1 +598A>R 1 +602C>Y 1 523-524non-del 1  UPN17 Aggregate sequence ° 28 CD34+ +16081A>R, 189G, 559C>Y 1 +16183A>Y, 8CT6C/9CT6C/10CT6C 1 +16348C>Y 1 +16359T>Y, 189A, 424T>Y 1 +16452T>Y, 189A, 454T>Y, 591C>Y, 8CT6C/9CT6C/10CT6C 1 +189G, 514C>Y 1 +189G, 514C>Y 1 1 189A 7 189A, 8CT6C/9CT6C/10CT6C 1 442T>Y, 189A 1 1 189A 7 189A, 8CT6C/9CT6C/10CT6C 1 189A, 9CT6C/10CT6C 1 8CT6C/9CT6C/10CT6C 1 1 189A 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	UPN20		65
Holsocy   1	granulocyte	+16259C>C/A, 523-524insAC/non-ins	1
+16245C>Y		+16053C>Y, 16500T>Y, 480T>Y	1
+16432A>R, 30T>Y		+16150C>T	1
+58T>Y +98C>T +139T>Y +139T>Y 1 +438delC/non-del +466T>Y +522C>Y 1 +551C>Y 1 +598A>R 1 +602C>Y 523-524insAC/non-ins 12 523-524insAc/non-ins 12 523-524insAc/non-del 1  UPN17 Aggregate sequence  28 CD34+ +16081A>R, 189G, 559C>Y 1 +16183A>Y, 8CT6C/9CT6C/10CT6C 1 +16348C>Y 1 +16359T>Y, 189A, 424T>Y 1 +16452T>Y, 189A, 424T>Y 1 +16452T>Y, 189A, 454T>Y, 591C>Y, 8CT6C/9CT6C/10CT6C +189G, 7CT6C/8CT6C/9CT6C +189G, 7CT6C/8CT6C/9CT6C 1 +189G, 8CT6C/9CT6C/10CT6C 3 +192T>Y, 8CT6C/9CT6C/10CT6C 1 +442T>Y, 189A 1 189A 7 189A, 8CT6C/9CT6C/10CT6C 1 +442T>Y, 189A 1 189A, 9CT6C/10CT6C 1 442T>Y, 189A 1 189A, 9CT6C/10CT6C 1 442T>Y, 189A 1 189A, 9CT6C/10CT6C 1 442T>Y, 189A 1 189A, 9CT6C/10CT6C 1 4418SG, 8CT6C/9CT6C/10CT6C 1 442T>Y, 189A 1 1 189A, 8CT6C/9CT6C/10CT6C 1 1 4418SG, 8CT6C/9CT6C/10CT6C 1 4418SG,		+16245C>Y	1
+98C>T		+16432A>R, 30T>Y	1
H39T>Y		+58T>Y	1
H39T>Y		+98C>T	1
+438delC/non-del +466T>Y 1 +466T>Y 1 +522C>Y 1 +571C>Y 1 +598A>R 1 +602C>Y 1 523-524insAC/non-ins 12 523-524non-del  UPN17 Aggregate sequence c CD34+ +16081A>R, 189G, 559C>Y 1 +16183A>Y, 8CT6C/9CT6C/10CT6C 1 +16348C>Y 1 +16452T>Y, 189A, 424T>Y 1 +16452T>Y, 189A, 454T>Y, 591C>Y, 8CT6C/9CT6C/10CT6C 1 +189G, 7CT6C/8CT6C/9CT6C 1 +189G, 514C>Y 1 +189G, 8CT6C/9CT6C/10CT6C 1 +189G, 514C>Y 1 1 189A 189A 7 189A 19442T>Y, 189A 1 1 189A 1 189A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1
+466T>Y			1
+522C>Y +571C>Y +571C>Y +598A>R 1 +602C>Y 523-524insAC/non-ins 12 523-524non-del  UPN17 Aggregate sequence ° 28 CD34+ +16081A>R, 189G, 559C>Y 1 +16183A>Y, 8CT6C/9CT6C/10CT6C +16348C>Y +16359T>Y, 189A, 424T>Y +16452T>Y, 189A, 454T>Y, 591C>Y, 8CT6C/9CT6C/10CT6C +189G, 7CT6C/8CT6C/9CT6C +189G, 514C>Y 1 +189G, 514C>Y 1 +189G, 8CT6C/9CT6C/10CT6C -192T>Y, 8CT6C/9CT6C/10CT6C -11 -189A -189A -7 -189A -7 -189A -7 -189A -7 -189A -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7			1
+571C>Y +598A>R +602C>Y 1 +602C>Y 11 523-524insAC/non-ins 12 523-524non-del  UPN17 Aggregate sequence ° 28 CD34+ +16081A>R, 189G, 559C>Y 1 +16183A>Y, 8CT6C/9CT6C/10CT6C +16348C>Y 1 +16452T>Y, 189A, 424T>Y 1 +16452T>Y, 189A, 454T>Y, 591C>Y, 8CT6C/9CT6C/10CT6C +189G, 514C>Y 1 +189G, 514C>Y 1 +189G, 8CT6C/9CT6C/10CT6C 3 +189A 189A 17 189A 189A 189A 17 189A 189A 189A 17 189A 189A 17 189A 189A 17 189A 189A 189A 11 189A 189A 11 189A 189A			
+598A>R			
+602C>Y			
S23-524insAC/non-ins   12			
UPN17 Aggregate sequence ° 28 CD34+			
UPN17 CD34+			
CD34+		323-324H0H-del	I
+16183A>Y, 8CT6C/9CT6C/10CT6C +16348C>Y +16359T>Y, 189A, 424T>Y +16452T>Y, 189A, 454T>Y, 591C>Y, 8CT6C/9CT6C/10CT6C +189G, 7CT6C/8CT6C/9CT6C -189G, 514C>Y -189G, 8CT6C/9CT6C/10CT6C -192T>Y, 8CT6C/9CT6C/10CT6C -192T>Y, 8CT6C/9CT6C/10CT6C -189A, 8CT6C/9CT6C/10CT6C -189A, 9CT6C/10CT6C -199CT6C/10CT6C -108CT6C/10CT6C	UPN17	Aggregate sequence e	28
+16348C>Y	CD34+	+16081A>R, 189G, 559C>Y	1
+16359T>Y, 189A, 424T>Y		+16183A>Y, 8CT6C/9CT6C/10CT6C	1
+16452T>Y, 189A, 454T>Y, 591C>Y, 8CT6C/9CT6C/10CT6C +189G, 7CT6C/8CT6C/9CT6C +189G, 514C>Y 11 +189G, 514C>Y 12 +189G, 8CT6C/9CT6C/10CT6C 33 +192T>Y, 8CT6C/9CT6C/10CT6C 11 +442T>Y, 189A 11 189A 7 189A, 8CT6C/9CT6C/10CT6C 189A, 9CT6C/10CT6C 189A, 9CT6C/10CT6C 189A, 9CT6C/10CT6C 11 8CT6C/9CT6C/10CT6C 3  UPN2 4ggregate sequence 66 CD33+CD34+ 16132A>R, 260G>R 1 +16188C>Y 1 +16264C>Y, 260G>R 1 +16264C>Y, 260G>R 1 +16353C>Y 1 +16467C>Y 1 +166565C>Y 1 +16565C>Y 1 +16565C>Y 1 +185G>R		· · · · · · · · · · · · · · · · · · ·	1
+16452T>Y, 189A, 454T>Y, 591C>Y, 8CT6C/9CT6C/10CT6C +189G, 7CT6C/8CT6C/9CT6C +189G, 514C>Y 11 +189G, 514C>Y 12 +189G, 8CT6C/9CT6C/10CT6C 33 +192T>Y, 8CT6C/9CT6C/10CT6C 11 +442T>Y, 189A 11 189A 7 189A, 8CT6C/9CT6C/10CT6C 189A, 9CT6C/10CT6C 189A, 9CT6C/10CT6C 189A, 9CT6C/10CT6C 11 8CT6C/9CT6C/10CT6C 3  UPN2 4ggregate sequence 66 CD33+CD34+ 16132A>R, 260G>R 1 +16188C>Y 1 +16264C>Y, 260G>R 1 +16264C>Y, 260G>R 1 +16353C>Y 1 +16467C>Y 1 +166565C>Y 1 +16565C>Y 1 +16565C>Y 1 +185G>R		+16359T>Y, 189A, 424T>Y	1
8CT6C/9CT6C/10CT6C +189G, 7CT6C/8CT6C/9CT6C +189G -11 +189G, 514C>Y -189G, 8CT6C/9CT6C/10CT6C -189G, 8CT6C/9CT6C/10CT6C -192T>Y, 8CT6C/9CT6C/10CT6C -192T>Y, 8CT6C/9CT6C/10CT6C -189A, 8CT6C/9CT6C/10CT6C -189A, 9CT6C/10CT6C -189A, 9CT6C/10CT6C -189A, 9CT6C/10CT6C -12 -12 -14 -16052C>Y -16132A>R, 260G>R -16188C>Y -1623A>R, 281A>R -16264C>Y, 260G>R -16353C>Y -16467C>Y -16467C>Y -16467C>Y -16565C>Y -1656C			1
+189G, 7CT6C/8CT6C/9CT6C			
#189G #189G, 514C>Y #189G, 8CT6C/9CT6C/10CT6C #192T>Y, 8CT6C/9CT6C/10CT6C #192T>Y, 8CT6C/9CT6C/10CT6C #192T>Y, 189A #189A #189			1
H189G, 514C>Y H189G, 8CT6C/9CT6C/10CT6C  H192T>Y, 8CT6C/9CT6C/10CT6C  H442T>Y, 189A  189A  7 189A, 8CT6C/9CT6C/10CT6C  189A, 9CT6C/10CT6C  8CT6C/9CT6C/10CT6C  8CT6C/9CT6C/10CT6C  9CT6C/10CT6C  3  UPN2  Aggregate sequence  CD33+CD34+  H16052C>Y  H16132A>R, 260G>R  H16188C>Y  H16203A>R, 281A>R  H16264C>Y, 260G>R  H16353C>Y  H16467C>Y  H16467C>Y  H16565C>Y  H1656C>Y  H1656C			
+189G, 8CT6C/9CT6C/10CT6C +192T>Y, 8CT6C/9CT6C/10CT6C +442T>Y, 189A 189A 189A 189A, 8CT6C/9CT6C/10CT6C 6 189A, 9CT6C/10CT6C 189A, 9CT6C/10CT6C 3  UPN2 9CT6C/10CT6C 3  UPN2 Aggregate sequence 66 CD33+CD34+ +16052C>Y +16132A>R, 260G>R +16188C>Y +16203A>R, 281A>R +16264C>Y, 260G>R +16353C>Y +16467C>Y +16467C>Y +16565C>Y +16565C>Y +16565C>Y +185G>R  1  1  1  1  1  1  1  1  1  1  1  1  1			
#192T>Y, 8CT6C/9CT6C/10CT6C			
+442T>Y, 189A 1 189A 7 189A, 8CT6C/9CT6C/10CT6C 6 189A, 9CT6C/10CT6C 1 8CT6C/9CT6C/10CT6C 12 9CT6C/10CT6C 3  UPN2 Aggregate sequence 66 CD33+CD34+ +16052C>Y 1 +16132A>R, 260G>R 1 +16203A>R, 281A>R 1 +16264C>Y, 260G>R 1 +16353C>Y 1 +16467C>Y 1 +16467C>Y 1 +16565C>Y 1 +185G>R 1			
189A, 8CT6C/9CT6C/10CT6C 189A, 9CT6C/10CT6C 189A, 9CT6C/10CT6C 11 8CT6C/9CT6C/10CT6C 9CT6C/10CT6C 3  UPN2 Aggregate sequence CD33+CD34+ +16052C>Y 1 +16132A>R, 260G>R 1 +16203A>R, 281A>R 1 +16264C>Y, 260G>R 1 +16353C>Y 1 +16467C>Y 1 +16565C>Y 1 +185G>R 1			
189A, 8CT6C/9CT6C/10CT6C  189A, 9CT6C/10CT6C  11  8CT6C/9CT6C/10CT6C  12  9CT6C/10CT6C  3  UPN2  Aggregate sequence  CD33+CD34+  +16052C>Y  +16132A>R, 260G>R  +16188C>Y  +16203A>R, 281A>R  +16264C>Y, 260G>R  1  +16353C>Y  1  +16467C>Y  1  +16565C>Y  1  +185G>R		· · · · · · · · · · · · · · · · · · ·	
189A, 9CT6C/10CT6C 8CT6C/9CT6C/10CT6C 9CT6C/10CT6C 9CT6C/10CT6C 3  UPN2 Aggregate sequence 66 CD33+CD34+ +16052C>Y 1 +16132A>R, 260G>R 1 +16188C>Y 1 +16203A>R, 281A>R 1 +16264C>Y, 260G>R 1 +16353C>Y 1 +16353C>Y 1 +16467C>Y 1 +16565C>Y 1 +185G>R 1			
8CT6C/9CT6C/10CT6C 9CT6C/10CT6C 3  UPN2 Aggregate sequence CD33+CD34+ +16052C>Y 1 +16132A>R, 260G>R 1 +16188C>Y 1 +16203A>R, 281A>R 1 +16264C>Y, 260G>R 1 +16353C>Y 1 +16467C>Y 1 +16565C>Y 1 +185G>R 1			
9CT6C/10CT6C 3  UPN2 Aggregate sequence 66 CD33+CD34+ +16052C>Y 1 +16132A>R, 260G>R 1 +16188C>Y 1 +16203A>R, 281A>R 1 +16264C>Y, 260G>R 1 +16353C>Y 1 +16467C>Y 1 +16565C>Y 1 +185G>R 1			
UPN2 Aggregate sequence 66 CD33+CD34+ +16052C>Y 1 +16132A>R, 260G>R 1 +16188C>Y 1 +16203A>R, 281A>R 1 +16264C>Y, 260G>R 1 +16353C>Y 1 +16467C>Y 1 +16565C>Y 1 +185G>R 1			
CD33+CD34+ +16052C>Y		90100/100100	3
+16132A>R, 260G>R  +16188C>Y  1  +16203A>R, 281A>R  1  +16264C>Y, 260G>R  1  +16353C>Y  1  +16467C>Y  1  +16565C>Y  1  +185G>R	UPN2	Aggregate sequence	66
+16188C>Y	CD33+CD34+	+16052C>Y	1
+16203A>R, 281A>R  +16264C>Y, 260G>R  1  +16353C>Y  1  +16467C>Y  1  +16565C>Y  1  +185G>R		+16132A>R, 260G>R	1
+16264C>Y, 260G>R 1 +16353C>Y 1 +16467C>Y 1 +16565C>Y 1 +185G>R 1		+16188C>Y	1
+16264C>Y, 260G>R 1 +16353C>Y 1 +16467C>Y 1 +16565C>Y 1 +185G>R 1			1
+16353C>Y 1 +16467C>Y 1 +16565C>Y 1 +185G>R 1			1
+16467C>Y		· · · · · · · · · · · · · · · · · · ·	1
+16565C>Y 1 +185G>R 1			
+185G>R			
TIANIZA /!!!!!!		+185G>R, 260G>R	1

	+260G>R	18
	+260G>R, 313C>Y	1
	+260G>R, 455T>Y	1
	12000 K, 4331 1	1
UPN3	Aggregate sequence f	74
CD5+CD33-	+16278C>Y	1
	+16328C>Y, 9CT6C/10CT6C	1
	+16565C>Y	1
	+42T>Y	1
	8CT6C	3
	9CT6C	3
	9CT6C/10CT6C 1	
	8CT6C/9CT6C/10CT6C	4
UPN19	Aggregate sequence	52
CD34+	+16025T>Y	1
	+16439C>T	1
	+16546C>Y	1
	+185G>R	1
	8CT6C	2
	8CT6C/9CT6C	8
	9CT6C/10CT6C	28
	8CT6C/9CT6C/10CT6C	1
	523-524insAC/non-ins	1
UPN19	Aggregate sequence	41
CD33+CD34-	+16068T>Y	1
	+16088T>Y, 9CT6C/10CT6C	1
	+16101T>Y	1
	+16152T>Y	1
	+16173C>Y, 9CT6C/10CT6C	1
	+16191C>Y	1
	+16271T>Y, 9CT6C/10CT6C	1
	+16471G>R	1
	+27C>Y	1
	+30T>Y	1
	+40T>Y, 62G>R, 8CT6C/9CT6C	1
	+95A>R, 9CT6C/10CT6C	1
	+133T>Y, 9CT6C/10CT6C	1
	+135T>Y, 9CT6C/10CT6C	1
	+269C>Y, 9CT6C/10CT6C	1
	523-524insAC/non-ins	2
	8CT6C/9CT6C	10
	8CT6C/9CT6C, 523-524insAC/non-ins	2
	9CT6C/10CT6C	18
	8CT6C/9CT6C/10CT6C	4
	9CT6C/10CT6C/11CT6C	2
UPN19	Aggregate sequence	34
granulocyte	+16146A>R	1
51 all alocy to	· IVI IVI P IX	1

	+16189T>Y	1
	+16223C>Y	1
	+16233A>R, 472A>R	1
	+16237A>R	1
	+16239C>Y, 146T>Y, 8CT6C/9CT6C/10CT6C	1
	+16257C>Y	1
	+16258A>R	1
	+16278C>Y	1
	+147C>Y	1
	+230A>R, 9CT6C/10CT6C	1
	+374A>G	1
	+498delC	1
		1
	+508A>R	1
	+511C>Y	1
	+645A>R	1
	523-524insAC/non-ins	3
	8CT6C	1
	8CT6C/9CT6C	2
	9CT6C/10CT6C	21
	10CT6C/11CT6C	1
	9CT6C/10CT6C/11CT6C	1
Donor 6 g	Aggregate sequence	55
CD34+	+16039G>R	1
	+16128C>T	1
	+16131T>Y	1
	+16172T>Y	1
	+16214C>Y	1
	+16240A>R	1
	+16267C>C/A	1
	+(16324)	1
	+412G>R	1
	+480T>Y	
	8CT6C/9CT6C	1 7
	9CT6C/10CT6C	18
	8CT6C/9CT6C/10CT6C	4
	9CT6C/10CT6C/11CT6C	1
Donor 7	Aggregate sequence	40
CD34+	+16022T>Y, 8CT6C/9CT6C	1
CDST	+16025T>Y	1
	+16076C>Y, 16409T>Y, 16502T>Y	1
	+16086T>Y	
	+160861>1 +16087A>R, 8CT6C/9CT6C	l 1
		1
	+16096G>R	l 1
	+16100A>R	1
	+16131T>Y	1
	+16191C>Y	1
	+16211C>Y	1
	+16224T>T/G, 8CT6C/9CT6C	1

	+16288T>Y	1
	+16309A>R	1
	+16378C>Y, 16409T>Y	1
	+16381T>Y	1
	+16408C>Y, 8CT6C/9CT6C	1
	+16468T>Y, 379A>R	1
	+16490G>R	1
	+16507C>Y, 8CT6C/9CT6C	1
	+16539A>A/C	1
		1
	+16544T>Y	1
	+10T>Y, 146T>Y, 7CT6C/8CT6C	1
	+14T>Y	1
	+59T>Y, 145C>Y	1
	+146T>Y	1
	+161T>Y	1
	+204T>Y, 7CT6C/8CT6C	1
	+230A>R	1
	+234A>R	1
	+305C>Y, 8CT6C/9CT6C	1
	+372T>Y	1
	+390A>R	1
	+578T>Y	1
		1
	+8CT6C/9CT6C, 379A>R	1
	+8CT6C/9CT6C, 410G>R, 549C>Y	1
	523-524delAC/non-del	1
	7CT6C	2
	7CT6C/8CT6C	5
	8CT6C/9CT6C	10
<b>D</b> 0		27
Donor 8	Aggregate sequence	37
CD34+	+16038A>R, 8CT6C/9CT6C	1
	+16082C>Y, 7CT6C	1
	+16189T>Y	1
	+16238T>Y	1
	+16275A>R	1
	+16282C>Y	1
	+16282C>Y, 16391G>R	1
	+16296C>Y	1
	+16308T>Y, 525C>Y	1
	+16315T>Y, 8CT6C/9CT6C	1
	+16387A>R	1
		1
	+16391G>R	1 1
	+16392T>Y	1
	+16392T>Y, 16508C>C/A, 260G>R	1
	+16400C>Y, 8CT6C/9CT6C	1
	+16403C>Y, 8CT6C/9CT6C	1
	+16502T>Y, 8CT6C/9CT6C	1
	+16533T>Y, 8CT6C/9CT6C	1
	+16537C>Y	1
	+11C>Y, 8CT6C/9CT6C	

	+12T>V	1
	+12T>Y +16A>R, 8CT6C/9CT6C	1
	+10A>K, 8C10C/9C10C +39C>Y, 8CT6C/9CT6C	1 1
		1 1
	+42T>Y, 154T>Y, 491C>Y, 523-524delAC/non-del	1
	+77A>R, 8CT6C/9CT6C	1
	+131T>Y	1
	+142T>Y	1
	+146T>Y	l
	+273C>Y, 8CT6C/9CT6C	1
	+345C>Y	1
	+346T>Y	1
	+441C>Y	1
	+538A>R	1
	+570C>Y	1
	+8CT6C/9CT6C, 378C>Y	1
	8CT6C/9CT6C	20
	8CT6C/9CT6C/10CT6C	1
Donor 9 <sup>h</sup>	Aggregate sequence	55
CD34+	+16086T>Y, 588T>Y	1
CD34	+16095C>C/A, 16354C>T	1
	+16129G>A, 523-524insAC/non-ins	1
	+16131T>Y	1
	+16144T>Y	1
		1 1
	+16356T>Y	1
	+16368T>C	1
	+16390G>R, 523-524insAC/non-ins	1
	+16526G>R	1
	+56insT, 460T>Y	1
	+56A>T	3
	+56A>T, 545G>R	1
	+64C>T	1
	+(73)	1
	+150C>Y, 292T>Y	1
	+152T>C	1
	+185G>R, 195T>A	1
	+195T>A	1
	+195T>A, 7CT6C/8CT6C	1
	+195T>T/A	4
	+195T>T/A, 383T>Y	1
	+251G>R	1
	+291A>A/T	1
	+292T>Y	2
	+292T>Y, 588T>Y, 523-524insAC/non-ins	1
	+370C>Y	1
	+535C>Y	1
	+541C>Y	1
	+587C>Y	1
	523-524insAC/non-ins	3
	CES CE IMOLICATION IND	5

Donor 10	Aggregate sequence	51
CD34+	+16124T>Y	1
CDST	+16217T>Y	1
	+16239C>Y, 8CT6C/9CT6C	1
	+16293A>G	-
	+16378C>Y, 8CT6C/9CT6C	1
	+16506T>Y	1
	+16537C>Y, 16565C>Y, 8CT6C/9CT6C	1
	+182C>Y, 8CT6C/9CT6C	1
	+343C>Y, 8CT6C/9CT6C	1
	+410G>R	1
	+571C>Y	1
	+8CT6C/9CT6C, 593T>Y	1
	7CT6C	1
	7CT6C/8CT6C	1
	7CT6C/8CT6C/9CT6C	1
	8CT6C/9CT6C	28
Donor 2	Aggregate sequence	61
Granulocyte from BM	+16028T>Y, 16372T>Y	1
	+16054A>G	
	+16105T>Y	1
	+16114C>Y	1
	+16127A>R	1
	+16131T>Y	1
	+16208G>R	1
	+16232C>Y	1
	+16331A>R	1
	+16390G>R	1
	+16419C>Y, 16468T>Y	1
	+485T>Y	1
	8CT6C	2
	8CT6C/9CT6C	5
	9CT6C/10CT6C	16

CCCCCCCCCCCCCC in the cell, 523-524delAC means this cell contains 4 repeats of AC at region 515-524, while 523-524insAC/non-ins means co-existing of 6 and 5 repeats of AC at region 515-524 in the cell. +, extra mtDNA nucleotide changes compared with the aggregate sequence. Back mutations relative to the sequence variations in aggregate sequence are in brackets.

- <sup>b</sup> The aggregate sequence of AGM contains 9CT6C/10CT6C/11CT6C in region 303-315 in HVS-II. The length mutations of the C-tract in region 16184-16193 due to 16189T>C mutation were not scored.
- <sup>c</sup> The length mutations of the C-tract in region 16184-16193 due to 16189T>C mutation in MFSS were discarded.
- <sup>d</sup> The aggregate sequence of the relapsed patient OAM contains 16488C>C/A compared with the consensus sequence of this individual in supplementary online Table 2. The status of no mutation at site 16488 was demonstrated as 16488C.
- <sup>e</sup> The aggregate sequence of UPN17 contains 189A>R and 8CT6C/9CT6C. The status of a homoplasmic mutation or no mutation at site 189 was highlighted as 189G and 189A, respectively. The length mutations of the C-tract in region 16184-16193 due to 16189T>C mutation were not scored.

<sup>&</sup>lt;sup>f</sup> The aggregate sequence of UPN3 contains 8CT6C/9CT6C in region 303-315 in HVS-II.

<sup>&</sup>lt;sup>g</sup> The list of nucleotide substitutions in donor 6 is a consensus result of triplicates of independent amplifications using the original single cell lysate.

<sup>&</sup>lt;sup>h</sup> The length mutations of the C-tract in region 16184-16193 due to 16189T>C mutation in donor 9 were not counted.