

Type of file: table

Label: Supplementary Table 1

Filename: visne_paper_table_1_12142012.xlsx

Target	Clone	Metal Isotope	Staining Concentration (ug/ml)
CD10	HI10a (BL)	156 Gd	1
CD114	LMM741 (BL)	156 Gd	2
CD117	104D2 (BL)	171 Yb	1
CD11b	ICRF44 (BL)	144 Nd	3
CD11c	3.9 (BL)	154 Sm	5
CD123	9F5 (BD)	151 Eu	3
CD13	L138 (BD)	168 Er	1
CD133	AC133 (MB)	141 Pr	3
CD14	M5E2 (BL)	160 Gd	2
CD15	W6D3 (BL)	164 Dy	2
CD16	3G8 (BL)	165 Ho	2
CD161	HP-3G10 (BL)	150 Nd	5
CD179a	HSL96 (BL)	149 Sm	2
CD19	HIB19 (BD)	142 Nd	1.5
CD2	TS1/8 (BL)	152 Sm	0.5
CD20	2H7 (BL)	147 Sm	3
CD20 cytosolic	H1 (BD)	147 Sm	3
CD22	HIB22 (BL)	168 Er	1
CD235a/b	HIR2 (BL)	141 Pr	2
CD3	S4.1 (QD)	110 Cd	1:200
CD3	UCHT1 (BL)	170 Er	0.5
CD33	P67.6 (BD)	158 Gd; 173 Yb	1.5
CD34	8G12 (BD)	148 Nd	3
CD38	HIT2 (BL)	159 Tb; 168 Er	1
CD4	RPA-T4 (BL)	145 Nd	3
CD41	HIP8 (BL)	152 Sm	1
CD44	G44-26 (BD)	166 Er	1
CD45	HI30 (BL)	115 In; 154 Sm	2
CD45RA	HI100 (BL)	139 La	3
CD47	B6H12 (BD)	145 Nd; 172 Yb	2
CD49d	9F10 (BL)	144 Nd	1
CD5	UCHT2 (BL)	154 Sm	1
CD56	B159 (BD)	170 Er	2
CD61	VI-PL2 (BD)	169 Tm	0.25
CD64	10.1 (BL)	153 Eu	1
CD7	M-T701 (BD)	167 Er	2
CD79b	CB3-1 (BL)	146 Nd	2
CD8	RPA-T8 (BL)	146 Nd	1.5
CD90	5E10 (BL)	176 Yb	5
CXCR4	12G5 (BL)	175 Lu	3

Flt3	BV10A4H2 (BL)	150 Nd	2
HLA-DR	L243 (BL)	174 Yb	2
IgD	IA6-2 (BL)	145 Nd	1
IgM	G20-127 (BD)	153 Eu	2
preBCR	HSL2 (BL)	165 Ho	3
TdT	E17-1519 (BD)	151 Eu	3
TIM-3	344823 (RD)	169 Tm	1

Vendors: Invitrogen Qdot655 (QD); Biolegend (BL); BD Biosciences (BD); Miltenyi Bio (RD); DVS Sciences (DVS); VWR International (VWR); eBioscience (EB); Cell Signali

**otec (MB); R&D Systems
ing Technologies (CST)**

Type of file: table

Label: Supplementary Table 2

Filename: visne_paper_table_2_12142012.xlsx

Figure	Section	Dataset	Cells subsampled
1	B/D	Marrow1	10,000 cells from Marrow1
2	A left	The exact same cells as Figure 1B/D	
	A middle		
	A right		
	B	Marrow 1	Combination of 3,000 B cells and 3,000 myeloid cells from Marrow1
3	A/B	Marrow2	Combination of 4,000 cells from each of these samples
		Marrow3	
		Marrow4	
	C	Marrow5	Combination of 2,500 cells from each of these samples
		Marrow6	
		ALL A	
	ALL B		
4	A	ALL A	10,000 cells from ALL A
		ALL B	10,000 cells from ALL B
		AML A	10,000 cells from AML A
		AML B	10,000 cells from AML B
	B	The exact same cells as Figure 4A, ALL a	
5		AML Diagnosis	Combination of 5,000 cells from each of these samples
		AML Relapse	
6		MRD	10,000 cells, biased subsampling from each of these samples (see text)
		Control	

Markers used
CD11b, CD123, CD19, CD20, CD3, CD33, CD34, CD38, CD4, CD45, CD45RA, CD8, CD90
CD11b, CD123, CD19, CD20, CD3, CD33, CD34, CD38, CD4, CD45, CD45RA, CD8, CD90
CD11b, CD123, CD19, CD20, CD3, CD34, CD38, CD4, CD45, CD45RA, CD8, CD90
CD11b, CD123, CD34, CD38, CD4, CD45, CD45RA, CD8, CD90
CD38, CD4, CD45
CD10, CD117, CD11a, CD123, CD127, CD179b, CD19, CD2, CD20, CD22, CD235, CD3, CD33, CD34, CD38, CD43, CD45, CD45RA, CD45RO, CD47, CD49d, CD5, CD61, CD7, CD79b, CXCR4, HLADR, IgD, IgM
CD10, CD117, CD11b, CD127, CD133, CD179a, CD179b, CD19, CD20, CD22, CD24, CD3, CD33, CD34, CD38, CD43, CD45, CD45RA, CD47, CD49d, CD61, CD7, CD72, CD79b, CXCR4, Flt3, HLA-DR, IgM, preBCR
CD10, CD117, CD11b, CD127, CD133, CD179a, CD179b, CD19, CD20, CD22, CD24, CD3, CD33, CD34, CD38, CD43, CD45, CD45RA, CD47, CD49d, CD61, CD7, CD72, CD79b, CXCR4, Flt3, HLA-DR, IgM, preBCR
CD114, CD117, CD123, CD133, CD14, CD15, CD16, CD19, CD2, CD20, CD22, CD3, CD33, CD34, CD38, CD44, CD45, CD45RA, CD47, CD49d, CD5, CD56, CD64, CD7, CD79b, CD90, CXCR4, Flt3, HLADR, IgD, TIM3
CD10, CD15, CD20, CD3, CD34, CD38, CD45, CD7