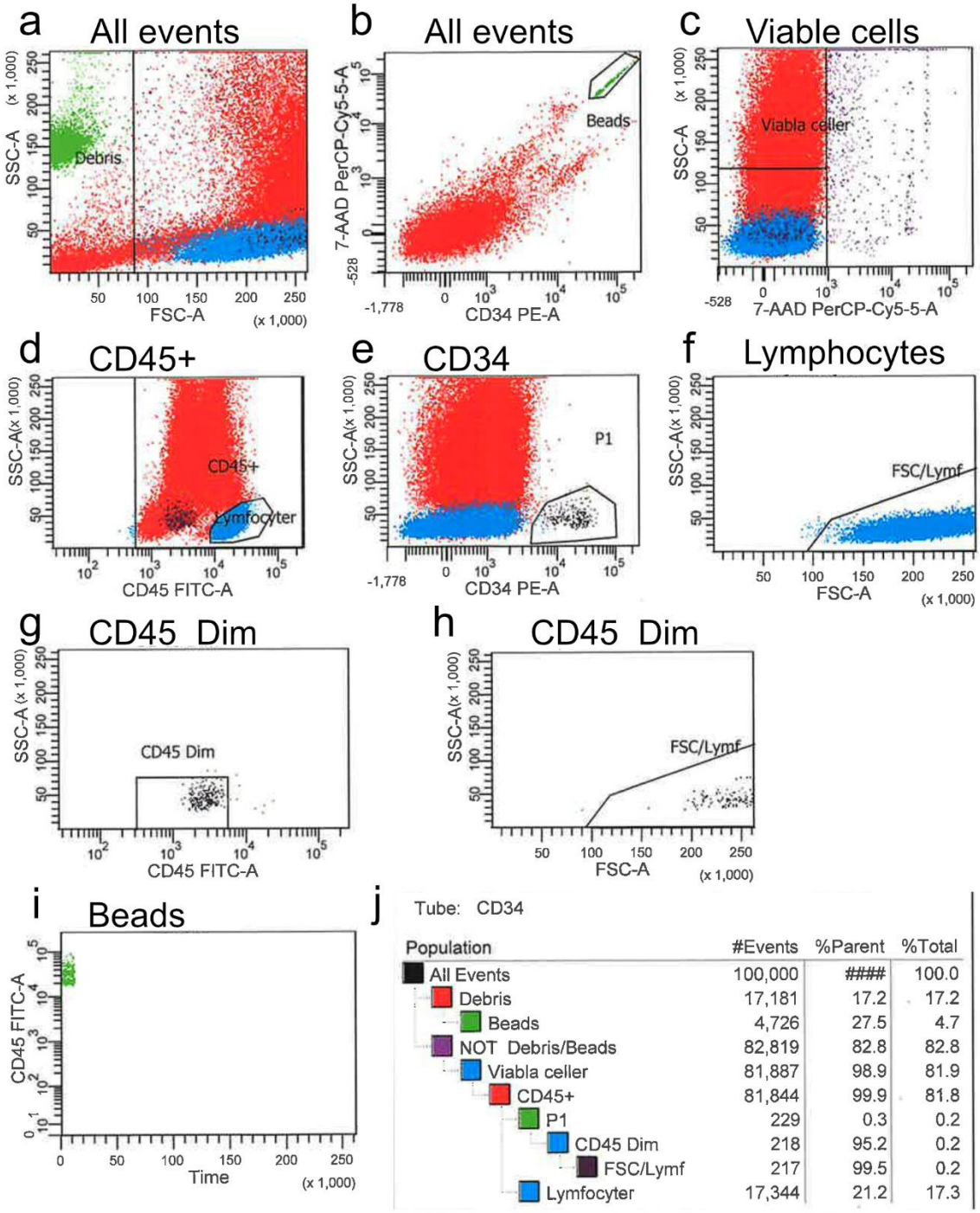
Supplement Appendix



Population	#Events	%Parent	%Total
All Events	100,000	####	100.0
Debris	17,181	17.2	17.2
Beads	4,726	27.5	4.7
NOT Debris/Beads	82,819	82.8	82.8
Viabla celler	81,887	98.9	81.9
CD45+	81,844	99.9	81.8
P1	229	0.3	0.2
CD45 Dim	218	95.2	0.2
FSC/Lymf	217	99.5	0.2
Lymfocyter	17,344	21.2	17.3

Figure S1 illustrates a representative strategy for Flow cytometric gating performed according to the International Society of Hematotherapy and Graft Engineering (ISHAGE) guidelines * using the following antibodies: CD45 FITC Klon: 2D1, (Beckton-Dickinson [BD] Bioscience, art. nr: 345802), CD34 PE klon: 8G12 (BD art. nr: 345808) and viability marker: Cell Viability Solution (BD Viaprobe art. no. 55816), 7-AAD (in the plot named as 7-AAD PerCP-Cy5-5).

a) Side scatter plot (SSC-A), forward scatter plot (FSC-A), exclusion of debris

b) Trucount® beads (gated)

c) Nuclear staining 7-AAD, viable cells (gated)

d) All viable leucocytes CD45 (Dim to bright)

e) CD34 positive from leucocytes (P1)

f) Lymph-blast region (gated) lymphocytes (lymf)

g) Clustered CD45 Dim SSC^{low} hematopoetic progenitor cells (HPC) from CD45/CD34 positive events

h) Exclusion of events outside lymph-blast region (apoptotic cells, platelets clumps)

i) Trucount beads ® number

j) Presents the counted number of cells as events, % of parents (as depicted in the dendrogram) and % of the total 100 000 counted cells. #### =Not applicable

Abbreviation: A: signal amplitude,

Translation: lymfocyter: lymphocytes, viabla celler: viable cells

* Keeney M, Chin-Yee I, Weir K, Popma J, Nayar R, Sutherland DR. Single platform flow cytometric absolute CD34+ cell counts based on the ISHAGE guidelines. International Society of Hematotherapy and Graft Engineering. *Cytometry*. 1998;34(2):61-70