

Supplementary Table 2: scAAV6 vector-mediated transduction and transgene expression in primary human CD34⁺ cells from bone marrow or umbilical cord blood under various culture conditions.

Experiment #	1	2	3	4	5	6	7	8	9	10	11
Source of cells	C	NC	C	C	C	NC	NC	C	C	C	C
vgs/cell	5x10 ³	5x10 ³	2x10 ⁴	2x10 ⁴	2x10 ⁴	2x10 ⁴	2x10 ⁴	2x10 ⁴	2x10 ⁴	2x10 ⁴	2x10 ⁴
Duration of infection	2 hrs	2 hrs	2 hrs	2 hrs	16 hrs	2 hrs	16 hrs	2 hrs	16 hrs	2 hrs	2 hrs
Culture conditions	+SCF +Flt3 +TPO	+SCF +IL3 +IL6	+SCF +Flt3 +TPO	+SCF +Flt3 +TPO	+SCF +Flt3 +TPO	+SCF +Flt3 +TPO	+SCF +IL3 +IL6	+SCF +IL3 +IL6	+SCF +IL3 +IL6	+SCF +IL3 +IL6	+SCF +IL3 +IL6
EGFP-positive cells*	9%	4%	12%	29%	23%	45%	20%	16%	19%	7%	11%

C = Commercial

NC= Non-commercial

*Each value represents an individual experiment, and each experiment was performed in triplicates.