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| Table S1. Genes analyzed in this study |
| Gene | **RefSeq ID** | **Description/function [ref.]** |
| Primitive |
| ABCG2  | NM\_004827 | Side population [1] |
| ALDH1A1  | NM\_153329 | Detoxifying/primitive [2] |
| KIT  | NM\_153329 | Differentiation (CD117) [3] |
| PROM1  | NM\_153329 | Differentiation (CD133) [4] |
| CD34  | NM\_001773 | Hematopoietic/Progenitor [5]  |
| NT5E  | NM\_002526 | MSC (ecto 5’-nucleotidase; CD73) [6] |
| THY1  | NM\_006288 | MSC (CD90) [7] |
| CXCR4  | NM\_003467 | Differentiation (SDF-1R) [8] |
| GATA4  | NM\_002052 | Early (cardio-) myocyte [9]  |
| MKI67  | NM\_002417 | Proliferation [3] |
| NANOG  | NM\_024865 | Differentiation [10] |
| NES  | NM\_006617 | Neuronal primitive, Angio [11] |
| NOTCH4 | NM\_004557 | Differentiation [12] |
| POU5F1  | NM\_002701 | Differentiation (Oct4) [10] |
| ST3GAL2  | NM\_006927 | SSEA4 synthesis (VSELC) [13,14]  |
| Cardiovascular |
| ACTA2  | NM\_001613 | SMC, FB [15] |
| CAV3  | NM\_001234 | (Cardio) myocyte [16] |
| CDH5  | NM\_001795 | EC (VE-Cadherin) [17] |
| CNN1  | NM\_001299 | SMC, EPC (calponin) [18]  |
| COL1A1  | NM\_000088 | FB, SMC (collagen 1) [19] |
| CX3CR1 | NM\_001337 | SMC/Progenitors [20] |
| FSHR | NM\_181446 | Reproduction, Angio [21] |
| KDR  | NM\_002253 | EC, EPC, HSC (VEGR2) [22] |
| MYH6  | NM\_002471 | Cardiomyocyte [23] |
| NKX2-5  | NM\_004387 | Early (cardio) myocyte [23] |
| NOS3  | NM\_000603 | EC (eNOS) [24] |
| OLR1 | NM\_002543 | EC (Lox-1) [25] |
| PECAM1 | NM\_000442 | EC (CD31) [26] |
| TEK  | NM\_000459 | EC, MC (Tie2) [27] |
| VWF  | NM\_000552 | EC (von Willebrand factor) [28] |
| Other differentiation markers |
| ADIPOQ  | NM\_004797 | Adipocyte (adiponectin) [29]  |
| ALB  | NM\_000477 | Hepatocyte [30] |
| ALPL  | NM\_000478 | Osteoblast [31] |
| BGLAP  | NM\_199173 | Osteoblast (osteocalcin) [32] |
| CD14  | NM\_000591 | MC, EC [33] |
| CD3E  | NM\_000733 | Early T cell [34]  |
| PTPRC  | NM\_002838 |  Leukocytes (CD45) [35] |
| CD68  | NM\_001251 | Mph (MC) [36] |
| CD79A  | NM\_001783 | Early B cell [37] |
| ENO2  | NM\_001975 | Neuronal [38] |
| ITGAM  | NM\_000632 | MC, Neutrophil [39] |
| KRT14  | NM\_000526 | Epithelial (keratin 14) [40] |
| MAP2  | NM\_002374 | Neuronal [41] |
| MPO  | NM\_000250 | Neutrophil/Progenitors [42] |
| SFTBP  | NM\_000542 | Lung epithelial (lung surfactant) [43]  |
| Endogenous controls |
| B2M | NM\_004048 | Endogenous control |
| GAPDH | NM\_002046 | Endogenous control |
| RPL13A | NM\_012423 | Endogenous control |

Supplementary References

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