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Key words: Ly6Chi monocytes, Ly6Clo monocytes, microglia, monocyte development, transcription factors; IRF8; PU.1; KLF4; NR4A1.

Abbreviations: cDC, conventional dendritic cells; CDP, common dendritic cell precursors; cMoP, common monocyte progenitor; CMP, common myeloid precursors; CNS, central nervous system; DC, dendritic cells; GMP, granulocyte-macrophage precursors; HSC, hematopoietic stem cells; IRF8, interferon regulatory factor-8; KLF, Kruppel-like factor; MDP, macrophage/dendritic cell precursors; pDC, plasmacytoid dendritic cells; WT, wild-type.

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