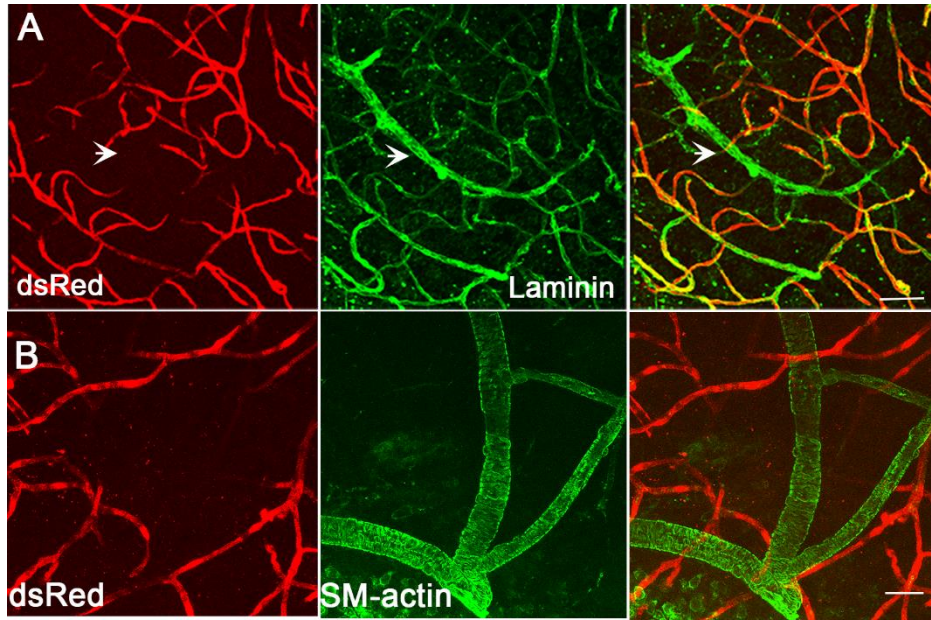


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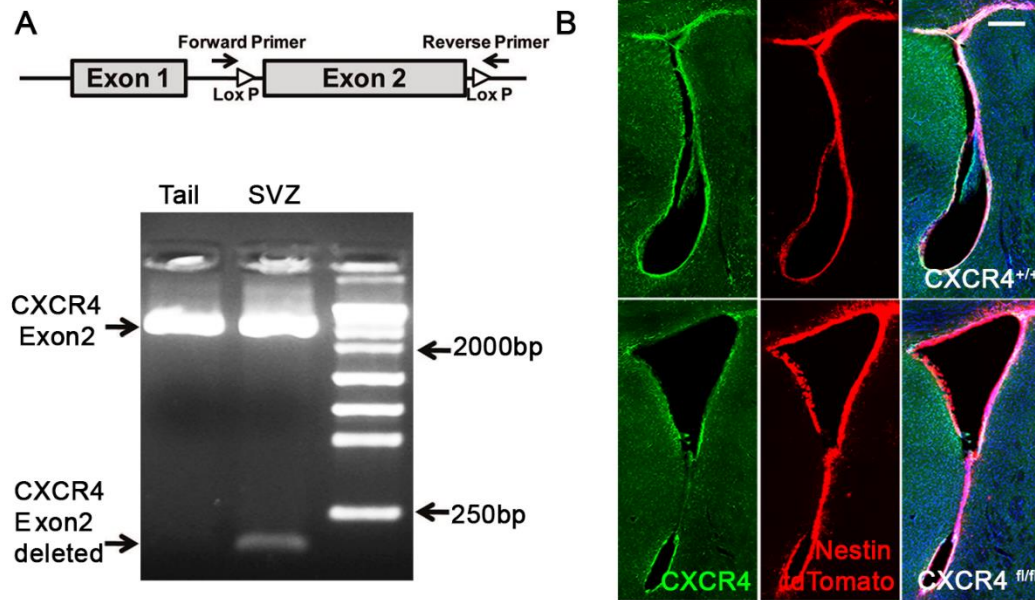
Supplemental Information

**Heterogeneous Expression of SDF1 Retains Actively Proliferating
Neural Progenitors in the Capillary Compartment of the Niche**

Chang Zhu, Swetha Mahesula, Sally Temple, and Erzsebet Kovacs



Supplemental Figure 1. Related to Figure 1. DsRed is expressed on a subset of the vasculature. (A) DsRed is absent from some blood vessels (arrow) immunostained for laminin. (B) DsRed is absent from smooth muscle actin positive arterioles. Scale bar = 50 μ m



Supplemental Figure 2. Related to Figure 3. Tamoxifen injection results in excision of CXCR4 and reduced expression in NSCs. (A) Top panel: LoxP sites in the CXCR4 gene in the CXCR4^{fl/fl} mice. Bottom panel: CXCR-deleted exon 2 is detectable after tamoxifen-induced recombination. (B) Immunohistochemistry for CXCR4 in the CXCR4^{fl/fl} and CXCR4^{+/+} V-SVZ. Scale bar = 1000 μ m.

Supplemental Methods

Primary Antibodies for Immunohistochemistry

GFAP rabbit polyclonal (Dako, catalog #Z0334, RRID: AB_0013382, 1:500), goat anti-doublecortin (DCX, Santa Cruz Biotechnology, catalog #sc-8066, RRID:AB_2088494, 1:200), mouse anti-MASH1 (BD Pharmingen, catalog #556604, RRID:AB_396479, 1:100), rabbit anti-Laminin (Sigma, catalog #L9393, RRID: AB_477163, 1:500), rat anti-CD31 (BD Pharmingen, catalog # 550274, RRID: AB_393571, 1:100), rabbit anti-active Caspase-3 (Promega, catalog # G7481, RRID: AB_430875, 1:250) rat anti-PDGF Receptor beta (Abcam, catalog #ab91066, RRID: AB_10563302, 1:200) and rat anti-CXCR4 (1:25 R&D catalog # MAB21651).