

Lamin B1 decline underlies age-related loss of adult hippocampal neurogenesis

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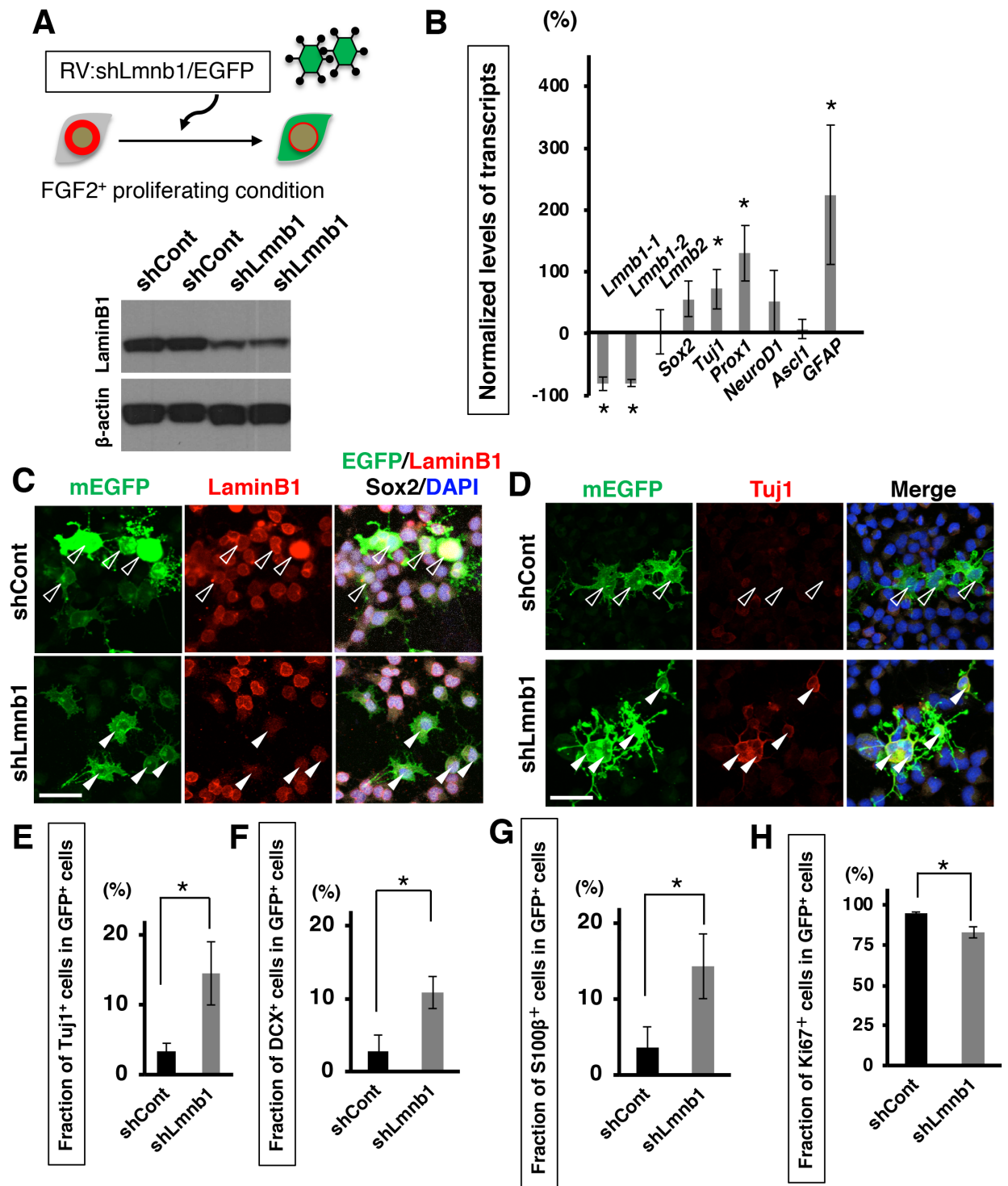
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Appendix Figure S1. Knockdown of lamin B1 in NPCs induces differentiation

- A.** Western blot analysis showing the knockdown of lamin B1 protein in NPCs three days after RV-mediated shRNA delivery.
- B.** qRT-PCR showing that knockdown of *Lmnbl* induced markers of neural differentiation. *p < 0.05, one sample t-test (n =4).
- C, D.** Knockdown of *Lmnbl* induced the expression of Tuj1 under proliferation conditions.
- E-H.** Quantitative analysis of Tuj1-, DCX-, S100 β - and Ki67-positive cells in shRNA-delivered cells (GFP-positive cells) 3 days after the transfection. *p < 0.05, Student's *t* test, n =3. Data are presented as mean \pm s.d. Scale bars, 25 μ m in (C, D).