

1 Low immunogenicity of mouse induced pluripotent stem
2 cell-derived neural stem/progenitor cells

3 Go Itakura^{1,2}, Masahiro Ozaki^{1,2}, Narihito Nagoshi², Soya Kawabata^{1,2}, Yuichiro
4 Nishiyama^{1,2}, Keiko Sugai^{1,2}, Tsuyoshi Iida^{1,2}, Rei Kashiwagi^{1,2}, Toshiki Ookubo^{1,2},
5 Kaori Yastake^{1,2}, Kohei Matsubayashi^{1,2}, Jun Kohyama¹, Akio Iwanami², Morio
6 Matsumoto², Masaya Nakamura^{2*} and Hideyuki Okano^{1*}

7

8 ¹Department of Physiology, Keio University School of Medicine, 35 Shinanomachi,
9 Shinjuku, Tokyo 160-8582, Japan

10 ²Department of Orthopaedic Surgery, Keio University School of Medicine, 35
11 Shinanomachi, Shinjuku, Tokyo 160-8582, Japan

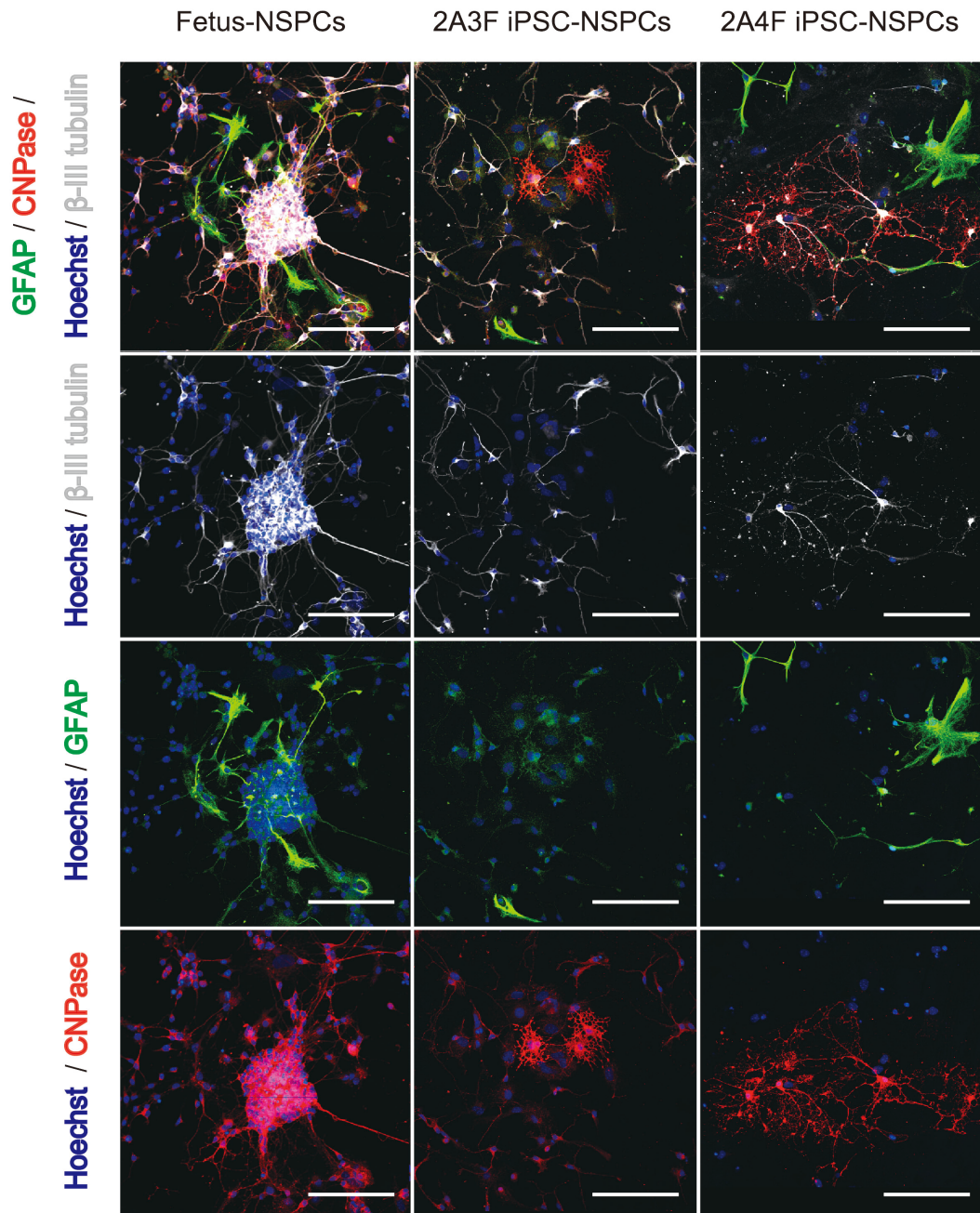
12 *Corresponding authors

13 **Contact information:** hidokano@a2.keio.jp (H.O.) and masa@a8.keio.jp (M.N.)

14 **Running title:** Low immunogenicity of mouse iPSC-NSPCs

15 **Key words:** induced pluripotent stem cells (iPSCs), neural stem/progenitor cells
16 (NSPCs), immune-rejection, syngenic, allogenic.

1 **Supplementary figures**

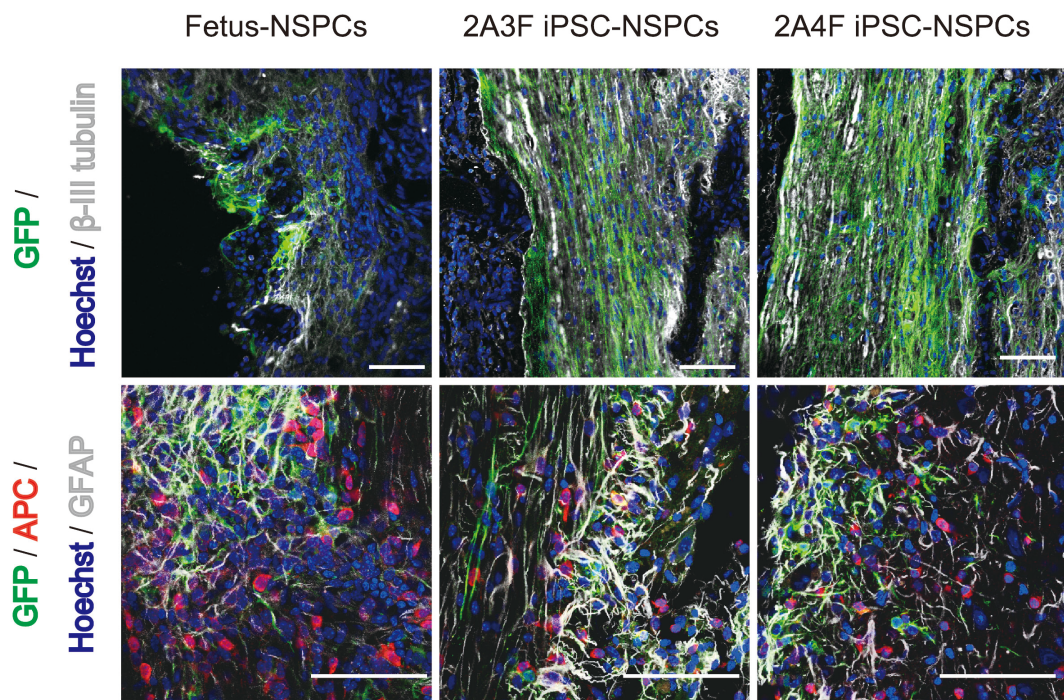


2

3 **Figure S1. High magnification images of terminally differentiated NSPCs in vitro.**

4 Terminally differentiated neurons, astrocytes, oligodendrocytes from fetus-iPSC-NSPCs

- 1 and iPSC-NSPCs were stained.
- 2 iPSC-NSPCs differentiated into neurons, astrocytes and oligodendrocytes similar to the
- 3 fetus-NSPCs. Scale bars = 100 μ m.



5 **Figure S2. High magnification images of terminally differentiated NSPCs in vivo.**

- 6 Fetus-NSPCs and iPSC-NSPCs differentiated into neurons, astrocytes and
- 7 oligodendrocytes, and integrated with host cells. Scale bars = 100 μ m.