



SUPPLEMENTARY FIG. S2. Effect of $\beta 7$ integrin expression on HSC engraftment. **(A)** Gating strategy used for sorting purified HSCs (LSK CD150⁺CD48⁺Flk-2⁺). **(B)** Frequency of donor-derived cells in the peripheral blood of recipient mice at 16 weeks after transplantation for the competitive reconstitution assay with CD150⁺ $\beta 7^{+}$ and CD150⁺ $\beta 7^{-}$ LSK BM cells ($n = 9$ per group, $*P < 0.05$). **(C)** Frequency of donor-derived cells in the peripheral blood of recipient mice 4–16 weeks after transplantation for the competitive reconstitution assay using WT and $\beta 7$ KO HSCs. Data are mean \pm SEM ($n = 11$ – 17 per group, from four independent experiments, $*P < 0.05$; $**P < 0.01$).