Supplementary information, Figure S1

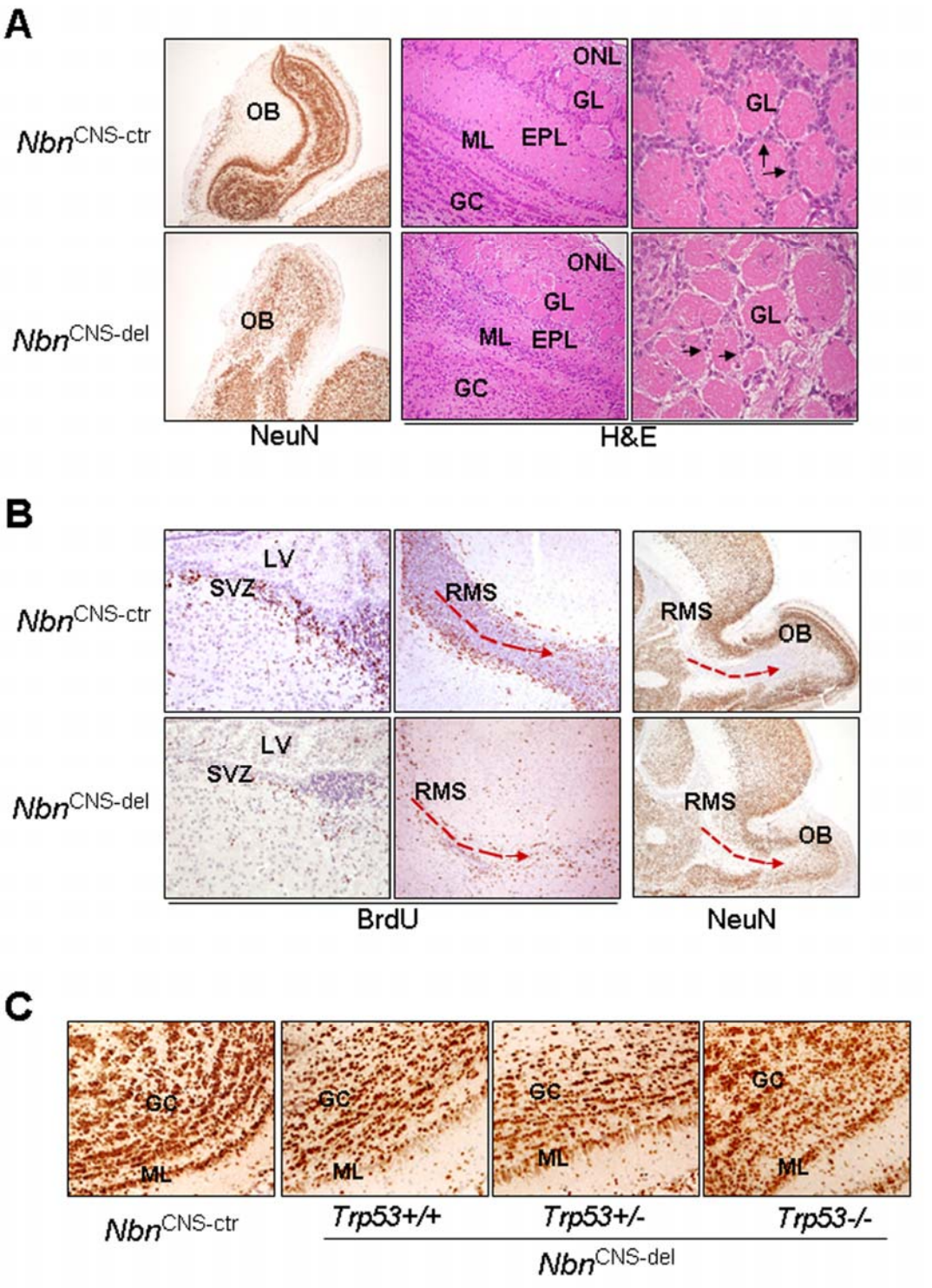

Figure S1 Nbs1 deficiency disrupted laminar structure and reduced cellularity of olfactory bulb. **(A)** NeuN and H&E immunostaining of olfactory bulb. OB, olfactory bulb; ONL, olfactory nerve layer; GL, glomerular layer; EPL, external plexiform

layer; ML, mitral cell layer; GC, granule cell layer; Periglomerular neurons (arrows). Original magnification, left panel ×4, middle panel ×20, right panel ×40. **(B)** *In vivo* analysis of olfactory genesis. BrdU pulse-labeling of progenitor of olfactory neurons at P7 subventricular zone (SVZ, left panel, original magnification ×40) and rostral migratory stream (RMS, middle panel, original magnification ×4). LV, lateral ventricle. Immature neurons in the rostral migratory stream showing negative staining for NeuN in the right panel. Original magnification ×4. **(C)** NeuN staining of olfactory bulb showing that *Trp53* mutations partly rescue the laminar structure and increase cellularity of olfactory bulb. Original magnification ×10.