

Description of Additional Supplementary Files

File Name: **Supplementary Movie 1**

Description: **3D reconstruction of an E15 control brain hemisphere injected with EGFP-expressing retrovirus at E14.** The pial surface and the lateral ventricle are represented by colored lines; Green filled circles represent RGPs, yellow filled circles represent IPs, and red filled circles represent INs.

File Name: **Supplementary Movie 2**

Description: **3D reconstruction of an E15 *Pard3* cKO brain hemisphere injected with EGFP-expressing retrovirus at E14.** The pial surface and the lateral ventricle are represented by colored lines; Green filled circles represent RGPs, yellow filled circles represent IPs, and red filled circles represent INs.