**Supplementary Figure 1. No** **periventricular heterotopia in offspring of diabetic dams.** Representative micrograph adjacent to the primary motor cortex (M1) in P21 rats from control (Ctrl) and diabetic (Db) dams.Left panels (10×): immunofluorescence for CUX1 (top, green) or SATB2 (bottom, green) with DAPI (blue). Right panels (20×): higher magnification of the periventricular zone (PVZ) indicated by white dashed boxes. Scale bars = 50 and 25 µm, for images taken at 10× and 20×, respectively. Across matched rostrocaudal levels, no nodular neuronal aggregates consistent with periventricular heterotopia were detected in Ctrl or Db groups. Acquisition and processing settings were identical within each marker set.