

Inventory of Supplementary Information

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Figure S1. *Otx1* expression in *Otx2 RxCre* cKOs.

Figure S2. *Otx2* and cortical patterning. (

Figure S3. Abnormal MGE and POA development in *Nkx2.1Cre* cKOs at E13.5 and P15.

Figure S4. Postnatal deficits in MGE derivatives in *Otx2* cKOs.

Figure S5. Anti-OTX2 ChIP-seq peaks occupy basal ganglia enhancers.

Figure S6. Genomic sequence motifs and gene ontology derived from anti-OTX2 ChIP-seq.

Figure S7. Diagram summarizing *Otx2* effects on POA and MGE patterning.

Table S1: Summary of RNA expression changes comparing WT and RX-Cre *Otx2* CKO E12.5 ganglionic eminences.