

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Summary for samples and RNAseq experiment.

File Name: Supplementary Data 2

Description: Summary for RNase R treated RNAseq experiments.

File Name: Supplementary Data 3

Description: Cell-specific circRNAs and their host genes.

File Name: Supplementary Data 4

Description: qPCR validation of select circRNAs.

File Name: Supplementary Data 5

Description: Functional enrichment of host genes of all circRNAs and cell-specific circRNAs (BH-adjusted $P < 0.05$, two-sided Fisher's exact test).

File Name: Supplementary Data 6

Description: Diseases enriched for host genes of all circRNAs and cell-specific circRNAs (BH-adjusted $P < 0.05$, two-sided Fisher's exact test).

File Name: Supplementary Data 7

Description: circRNAs differentially expressed in dopamine neurons between ILB and control ($P < 0.05$, two-sided Wald test)