

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Transcripts identified in the nucleus and synapse lncRNA capture-seq

File Name: Supplementary Data 2

Description: Synapse-enriched transcripts identified in the lncRNA capture-seq

File Name: Supplementary Data 3

Description: Sheet 1, Transcripts identified in the synapse RC and synapse EXT RNA-seq;
Sheet 2, Top10 capture-seq candidates identified in the synapse RC and EXT RNAseq

File Name: Supplementary Data 4

Description: Genomic coordinates for all captured regions in the lncRNA capture-seq

File Name: Supplementary Data 5

Description: Genomic coordinates for the captured Gas5 region in the lncRNA captureseq

File Name: Supplementary Data 6

Description: Sheet 1, Gas5 RIP targets identified in the RC and EXT group; Sheet 2, Gas5 RIP targets identified exclusively in the RC and EXT group, and overlap in both