

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: PSI table of neuronal cell type-specific alternative exons Examples of neuronal cell type-specific exons identified in mouse RNA-Seq datasets (MESA)

File Name: Supplementary Data 2

Description: PSI table of tissue-specific alternative exons Examples of tissue -specific exons identified in human RNA-Seq datasets (GTEx)

File Name: Supplementary Data 3

Description: PSI table of exons activated by overexpression of *MSI1* Table of alternative exons (enriched in rods and neurons) and cryptic exons that are upregulated due to overexpression of *MSI1*.