

## **Description of Additional Supplementary Files**

**File Name:** Supplementary Data 1

**Description:** Selected Probes by Exploratory Factor Analysis (Excel file)

**File Name:** Supplementary Data 2

**Description:** Major Brain Regions, structures and substructures abbreviations (Excel file)

**File Name:** Supplementary Data 3

**Description:** Pearson's correlation values for microarray datasets (Excel file)

**File Name:** Supplementary Data 4

**Description:** Pearson's correlation values for RNA sequencing datasets (Excel file)

**File Name:** Supplementary Data 5

**Description:** Pearson's correlation values for GABAergic vs Glutamatergic cells (Excel file)

**File Name:** Supplementary Data 6

**Description:** Pearson's correlation values by cell type cluster (Excel file)

**File Name:** Supplementary Data 7

**Description:** Correlations that cross hierarchies and cell types (Excel file)

**File Name:** Supplementary Data 8

**Description:** Statistical Analysis correlation of Euclidian distances Allen Microarray (Excel file)

**File Name:** Supplementary Data 9

**Description:** Statistical Analysis correlation of Euclidian distances ADTBI RNAseq study (Excel file)

**File Name:** Supplementary Data 10

**Description:** Dataset source for figures (Excel file)

