## **Description of Additional Supplementary Files**

**File name:** Supplementary Data 1 **Description:** Differentially expressed genes in CMV-infected cerebral organoids relative to mock.

**File name:** Supplementary Data 2 **Description:** Significantly over-represented GO terms in DEGs in CMV-infected cerebral organoids relative to mock.

**File name:** Supplementary Data 3 **Description:** KEGG pathways over-represented in CMV-infected organoids relative to mock.

**File name:** Supplementary Data 4 **Description:** Differentially expressed genes in CMV-infected cerebral organoids relative to mock in DYRK and SHH pathways.

**File name:** Supplementary Data 5 **Description:** Overlapping differentially expressed genes with SFARI database.

File name: Supplementary Data 6

**Description:** Disease enrichment differentially expressed gene dataset using the DisGeNET database.