









**Supplementary Figure 1.** Key neurodegenerative disease pathways are significantly over-repr esented in significantly upregulated DEGs of CMV-infected cerebral organoids relative to mock. Heatmaps of key KEGG pathways involved in a) Alzheimer disease (hsa05010), b) Parkinson disease (hsa05012), and c) Huntington disease (hsa05016). d) Immunofluorescence of cerebral organoids at 14dpi, co-staining for IE/E and Nestin, GFAP, and VGIuT1.

b

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