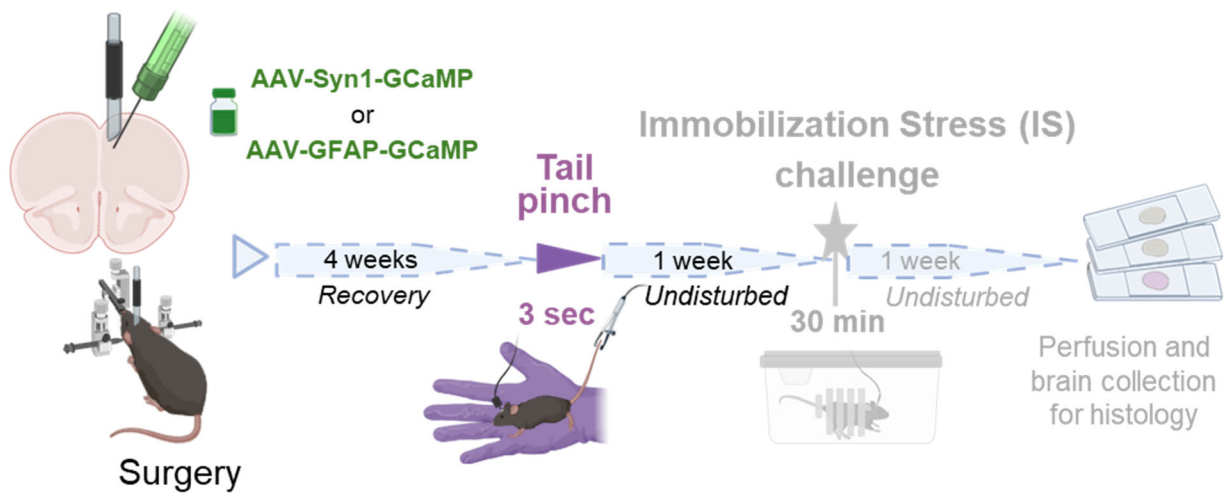
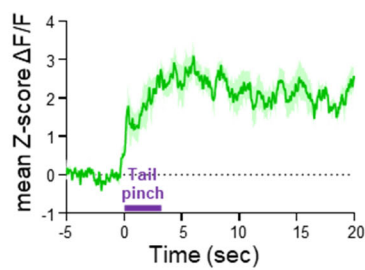
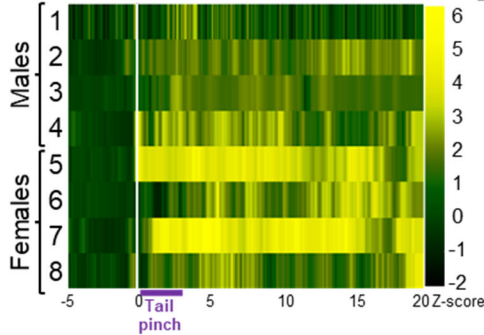
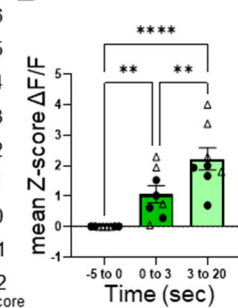
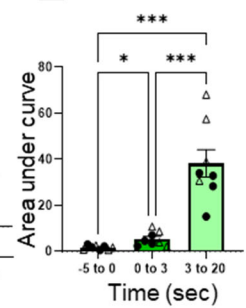
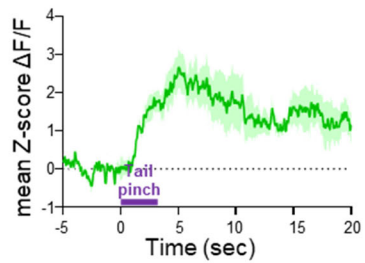
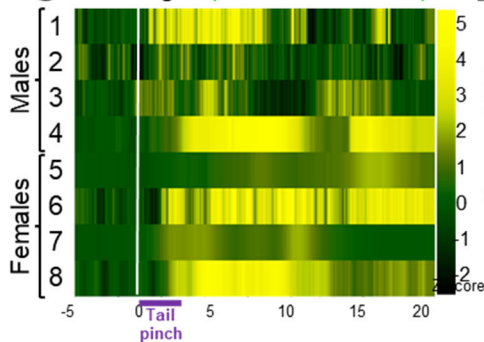
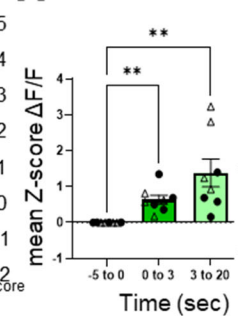
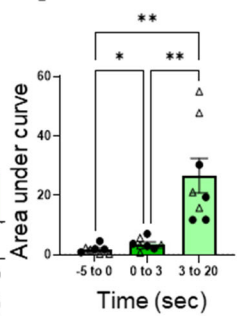
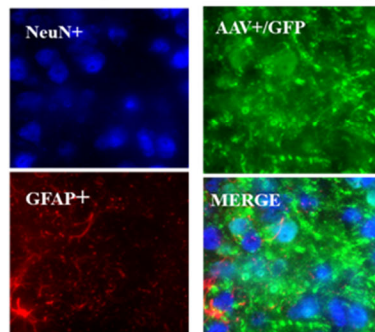
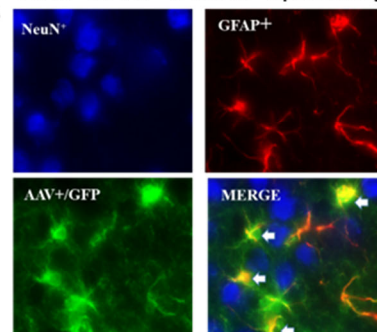


A

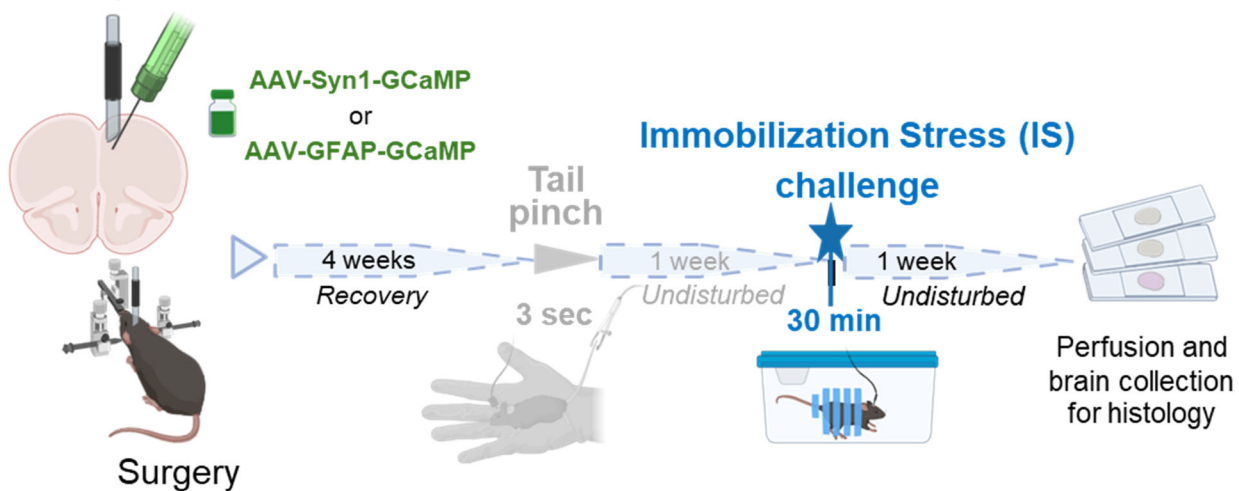
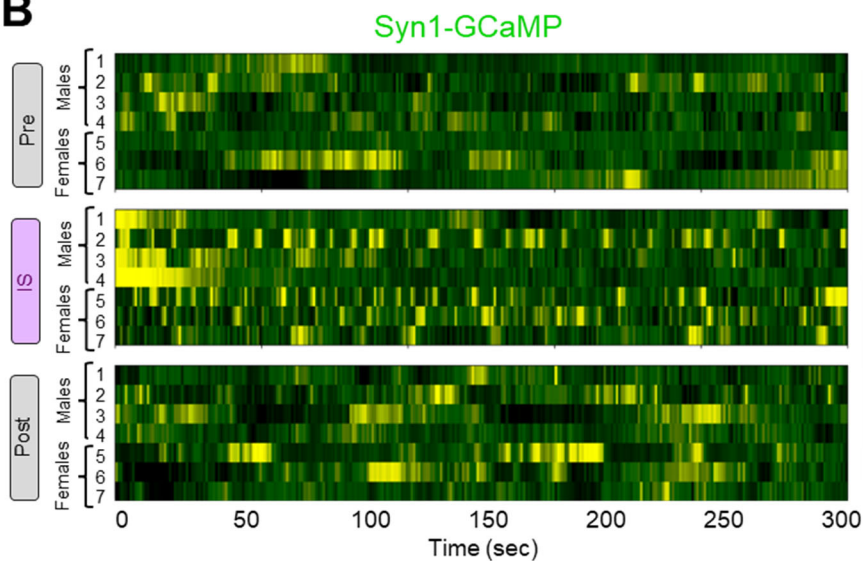
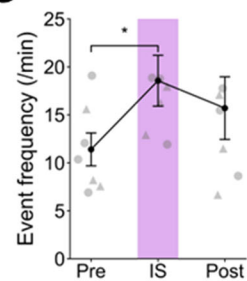
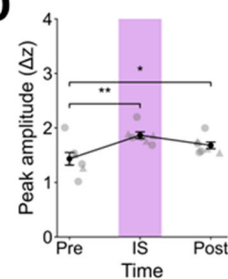
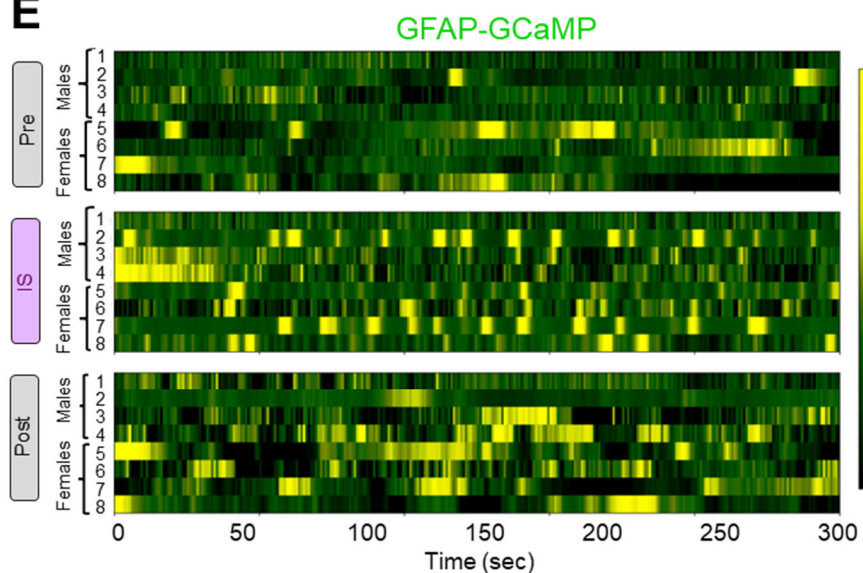
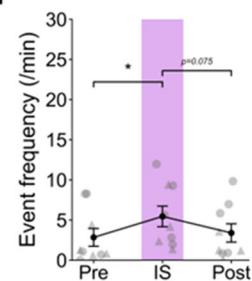
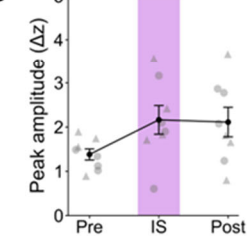
Virus infusion and cannula
implantation

**B** Neurons (SYN1-GCaMP6f)**C** Neurons (SYN1-GCaMP6f)**D****E****F** Astroglia (GFAP-GCaMP6f)**G** Astroglia (GFAP-GCaMP6f)**H****I****J** AAV-Syn1-GCaMP specificity**K** AAV-GFAP-GCaMP specificity

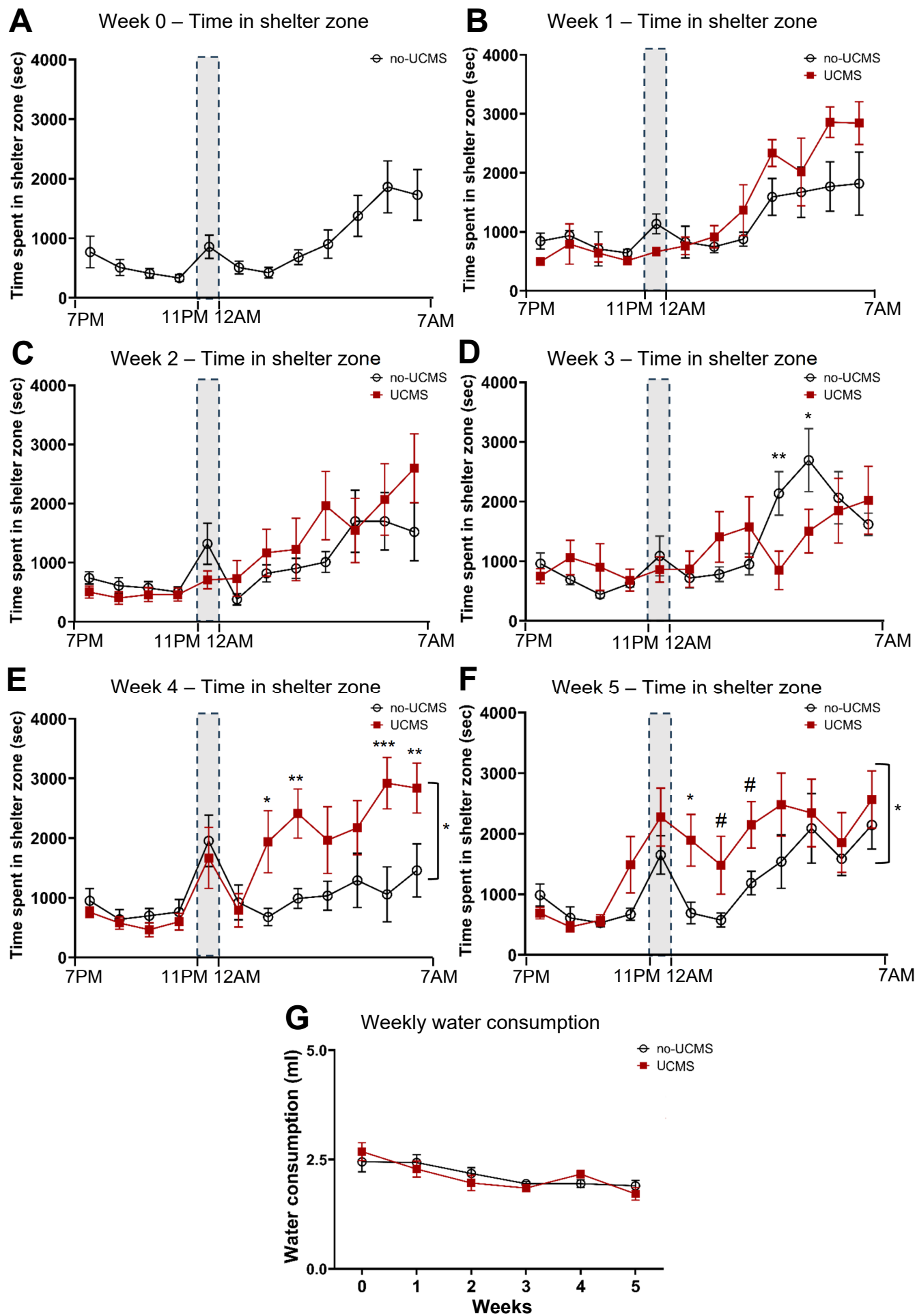
Supplementary Figure 1

A

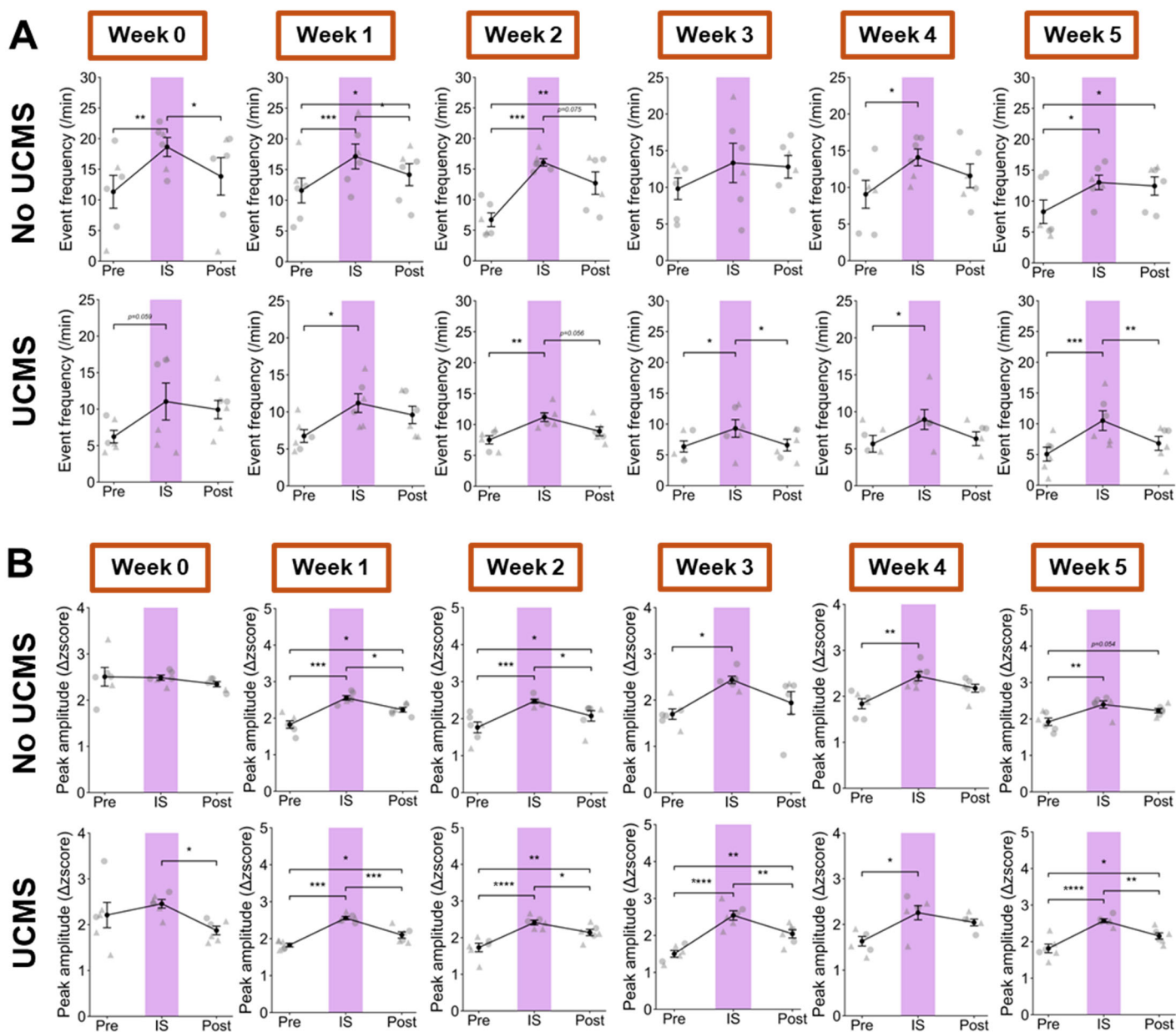
Virus infusion and cannula
implantation

**B****C****D****E****F****G**

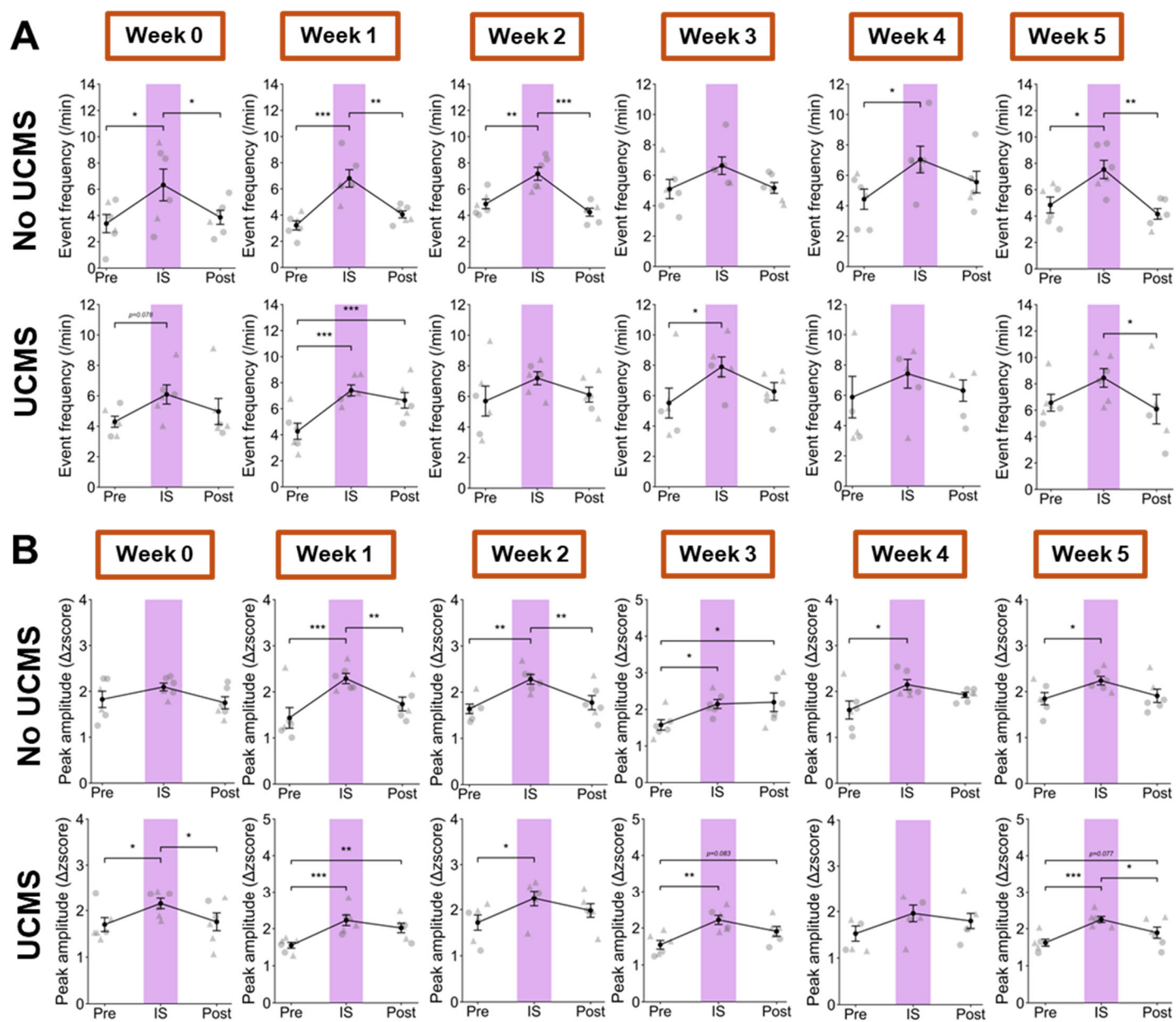
Supplementary Figure 2



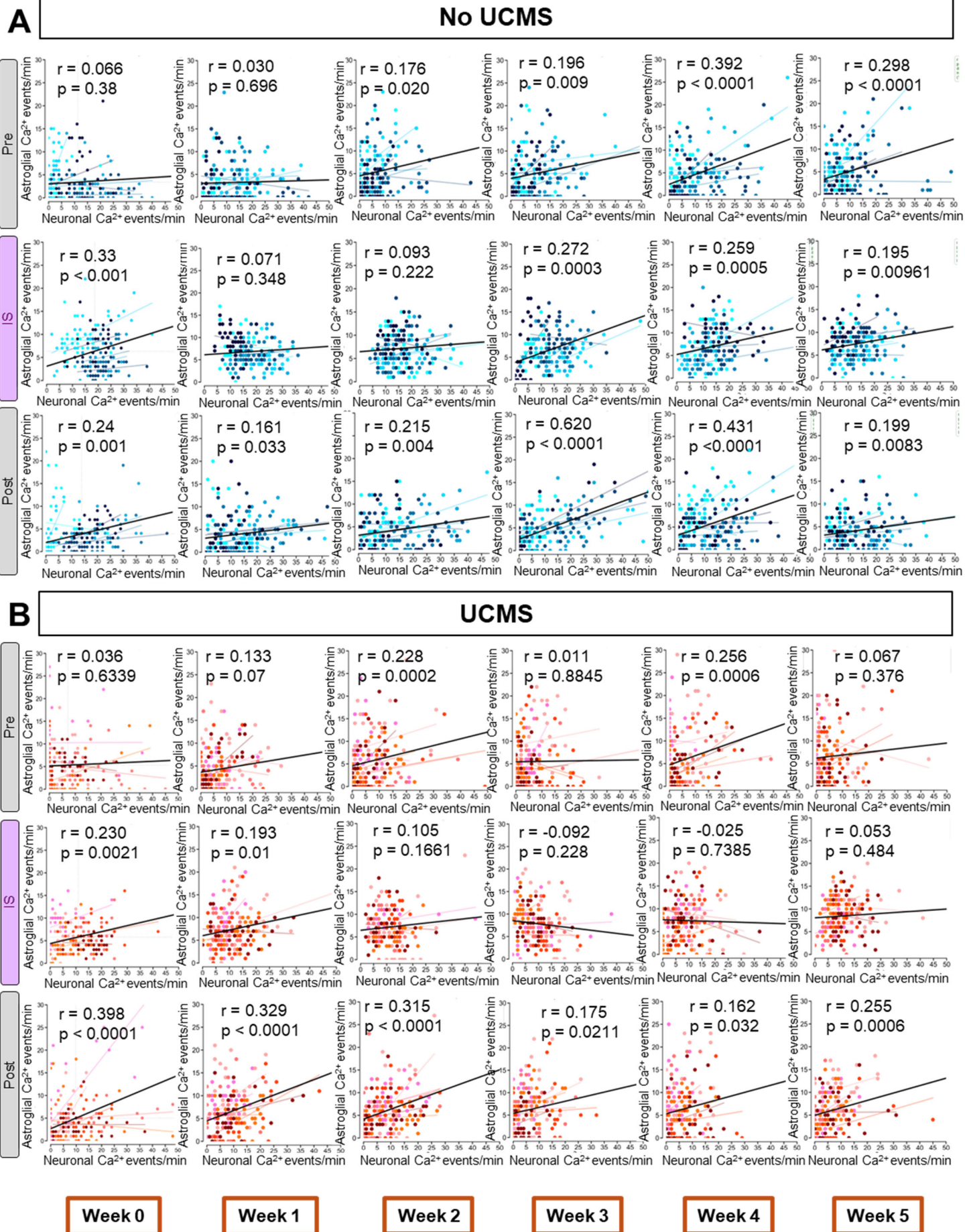
Supplementary Figure 3



Supplementary Figure 4



Supplementary Figure 5



Supplementary Figure 6