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## **Supplemental Information**

### **Cerebral Organoids: A Human Model for AAV Capsid Selection and Therapeutic Transgene Efficacy in the Brain**

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## **Supplemental figures**

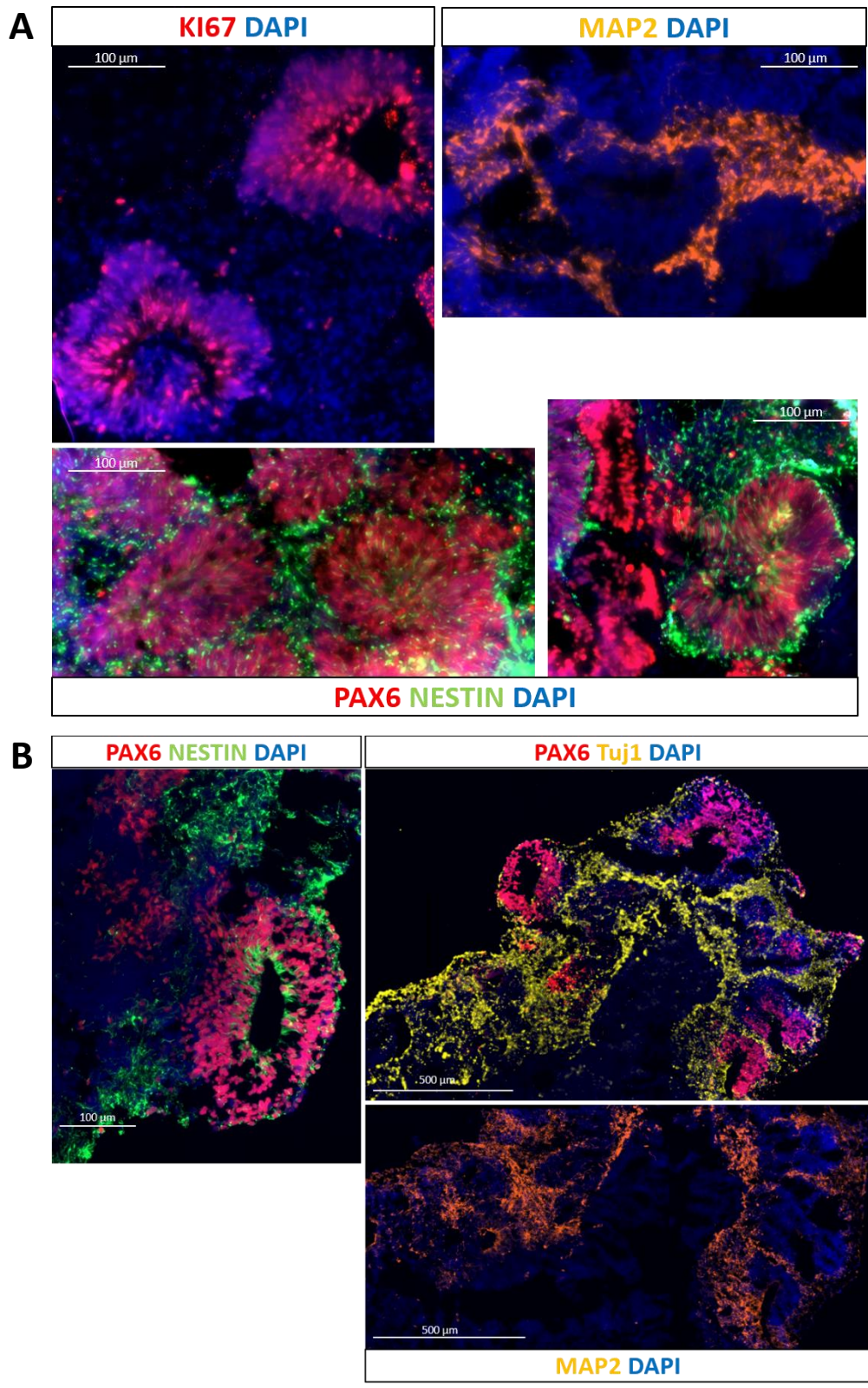
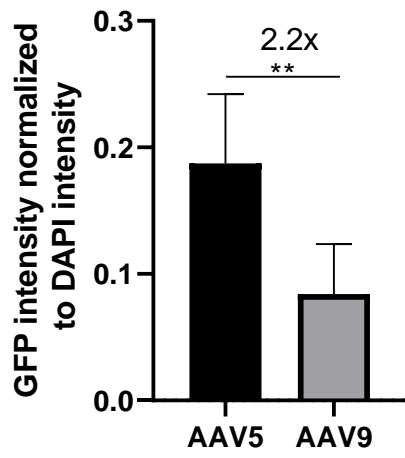


Figure S1: Generation of cerebral organoids. Images of immunostained sections of two 30 day old organoids from two different batches (A & B), show the presence of neural progenitors (PAX6), neurons (Tuj1 and MAP2) and proliferating cells (Ki67). Nuclei were dyed with DAPI.



*Figure S2: Comparing rAAV5 and rAAV9 transduction efficiency in cerebral organoids. rAAV5 transduced organoids express GFP at a 2.2 times higher intensity compared to rAAV9 transduced organoids (\*\* $p < 0.005$ ). Total GFP intensity was measured in z-stacks of 12 regions per organoid. The intensity was normalized to the DAPI signal.*