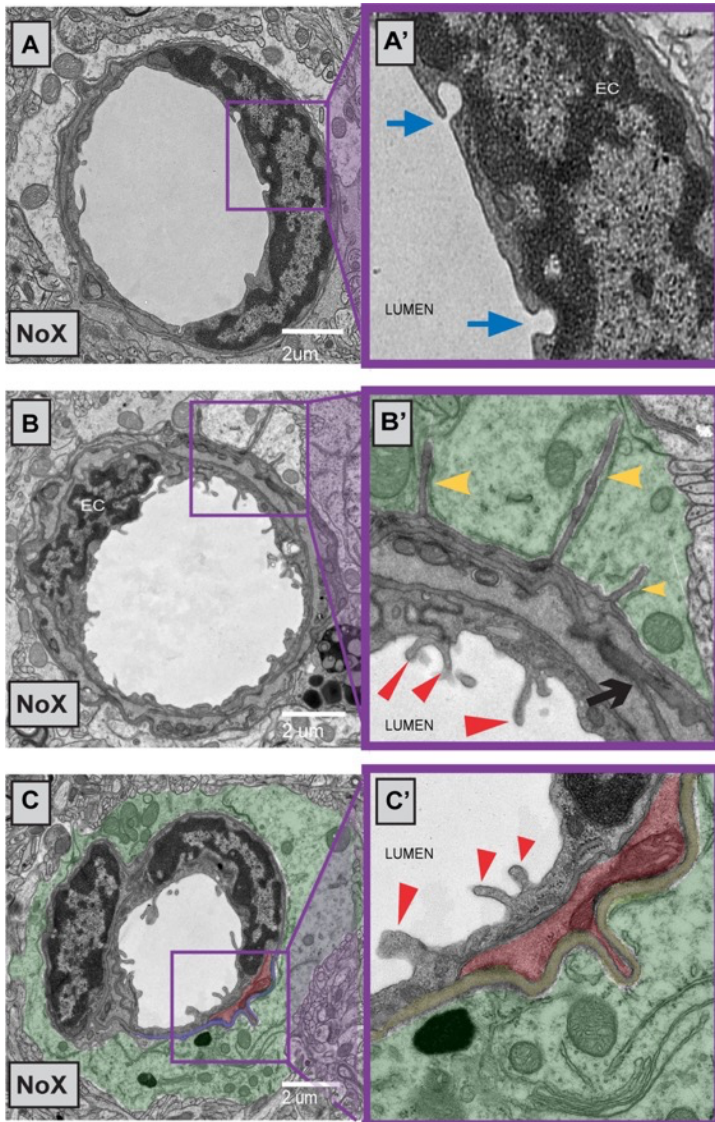


SUPPLEMENTARY MATERIAL

Evaluation of gliovascular functions of Aqp4 readthrough isoforms

Shayna M. Mueller^{*1,2}, Kelli McFarland White^{*1,2}, Stuart B. Fass^{1,2}, Siyu Chen^{1,2,3}, Zhan Shi⁴, Xia Ge^{3,6}, John A. Engelbach^{3,6}, Seana H Gaines³, Annie R Bice³, Michael J. Vasek^{1,2}, Joel R. Garbow^{3,6}, Joseph P. Culver^{3,7,8,9,10}, Zila Martinez-Lozada¹¹, Martine Cohen-Salmon¹², Joseph D. Dougherty^{++1,2,6}, Darshan Sapkota^{++4,5}



Supplemental Figure 5. Cortical vasculature ultrastructural morphology largely unchanged in AQP4 readthrough mutants. **A-C)** Representative EM images of NoX blood vessels depicting quantified ultrastructures. **A' inset) Budding** endothelial cell vesicles (blue arrows). **B' inset) endfoot** (light green), basal lamina "projections without contents" (yellow arrowheads), microvilli (red triangles), lamina branching (black arrow). **C' inset) microvilli** (red triangles), endfoot (light green), basal lamina "projection with contents" (red, presumed pericytes).