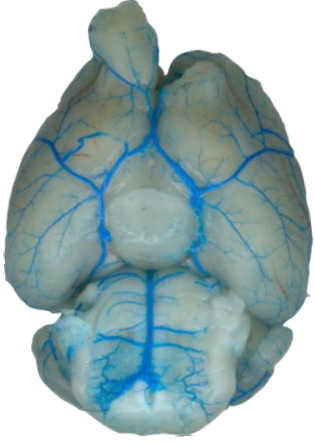


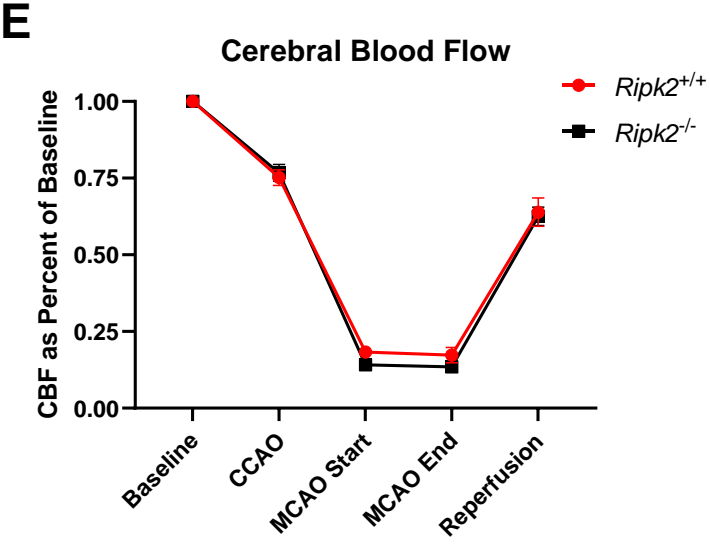
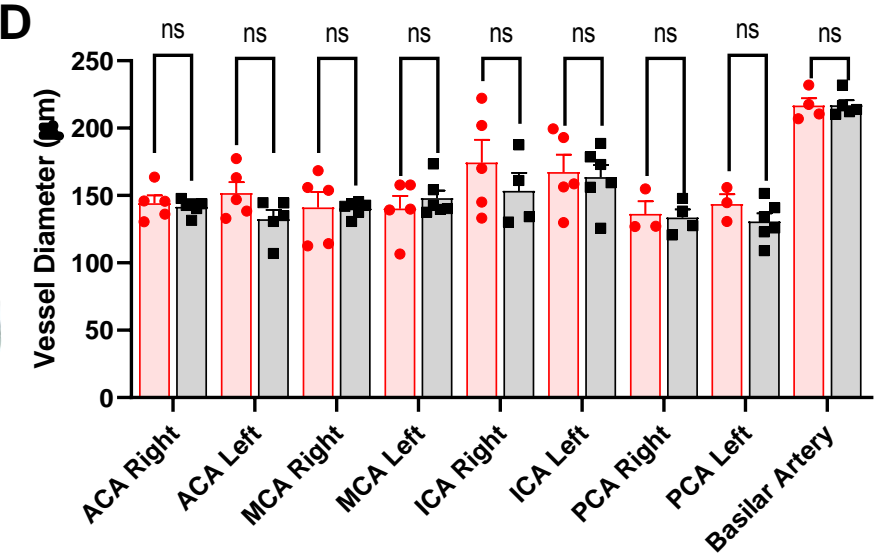
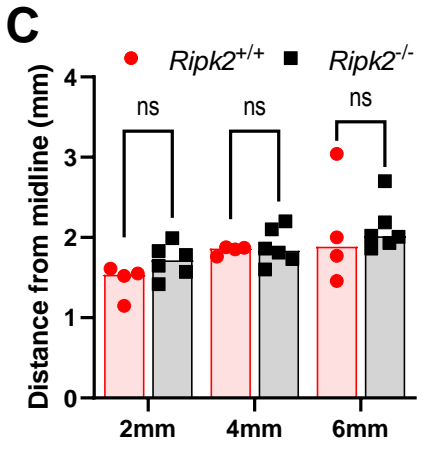
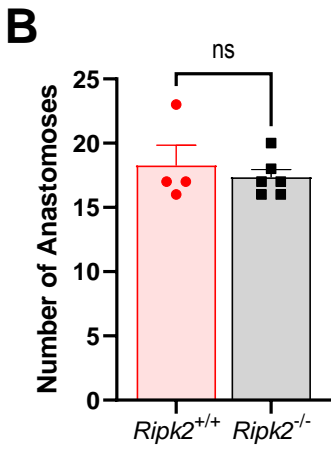
Ripk2^{+/+}

Ripk2^{-/-}



Ripk2^{+/+}

Ripk2^{-/-}



Additional File 1: *Ripk2*^{-/-} mice show no differences in cerebral vessel parameters at baseline or cerebral blood flow during stroke surgery. **A** Representative vessel casting images depicting the superior (top) and inferior (bottom) views of *Ripk2*^{-/-} and *Ripk2*^{+/+} following latex vessel casting. Square inserts depict method for measuring the distance from baseline and for counting the number of anastomoses. **B** The number of anastomotic connections between vessels originating from the brain midline to the branches of the middle cerebral artery. **C** The distance from anastomotic connections to the brain midline. **D** The diameter of various cerebral arteries. **E** Cerebral blood flow measured during tMCAO surgery for both genotypes. (A-D) n=4-5/group. Differences determined by Student's t test (B) or two-way ANOVA (C-D). Abbreviations: ACA: anterior cerebral artery, MCA: middle cerebral artery, ICA: internal carotid artery, PCA: posterior cerebral artery.