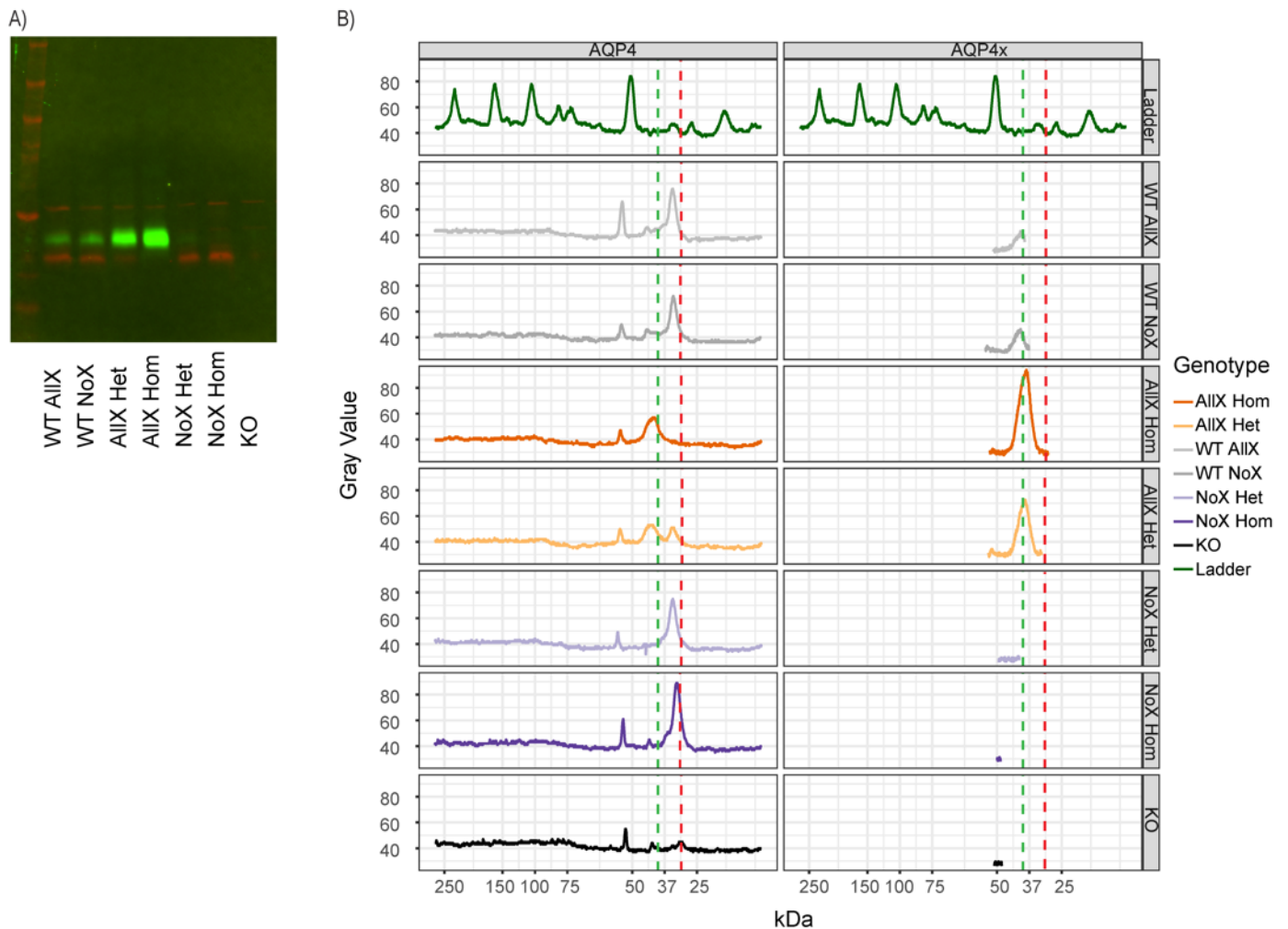


SUPPLEMENTARY MATERIAL

Evaluation of gliovascular functions of Aqp4 readthrough isoforms

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Supplemental Figure 1: AQP4x protein expression is altered based on genotype. A) AQP4 (red) and AQP4x (green) simultaneously probed in western blot. Increased AQP4x protein expression is observed in AIIIX variants, while a decrease is seen in NoX variants. **B)** A linear peak plot of the fluorescent western was derived by drawing a line down each lane and plotting signal intensity by position. Ladder shown at top for reference. Left panel is AQP4, right panel is AQP4x. Dotted lines show expected sizes of the two isoforms AQP4 (red) and AQP4x (green).