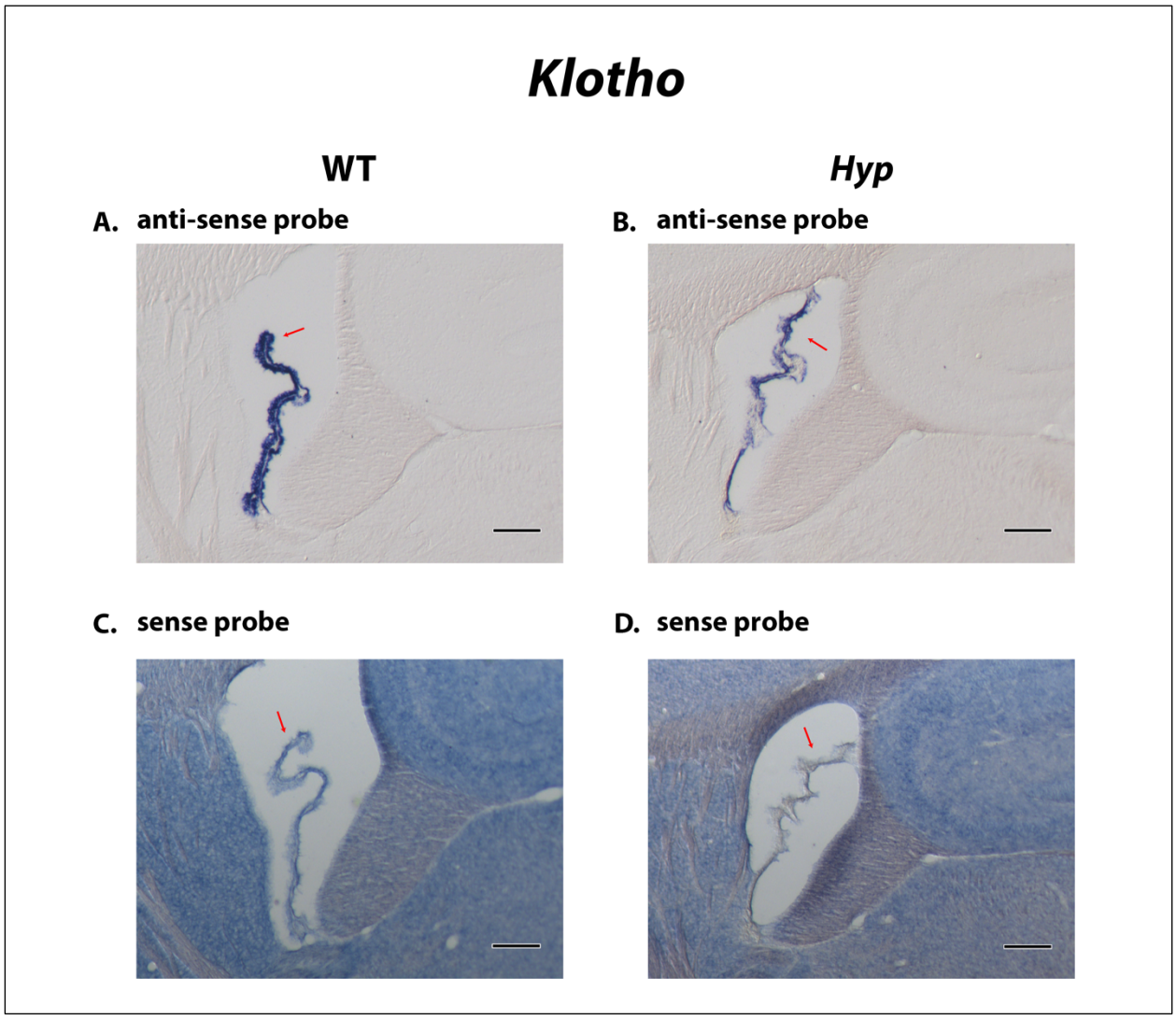
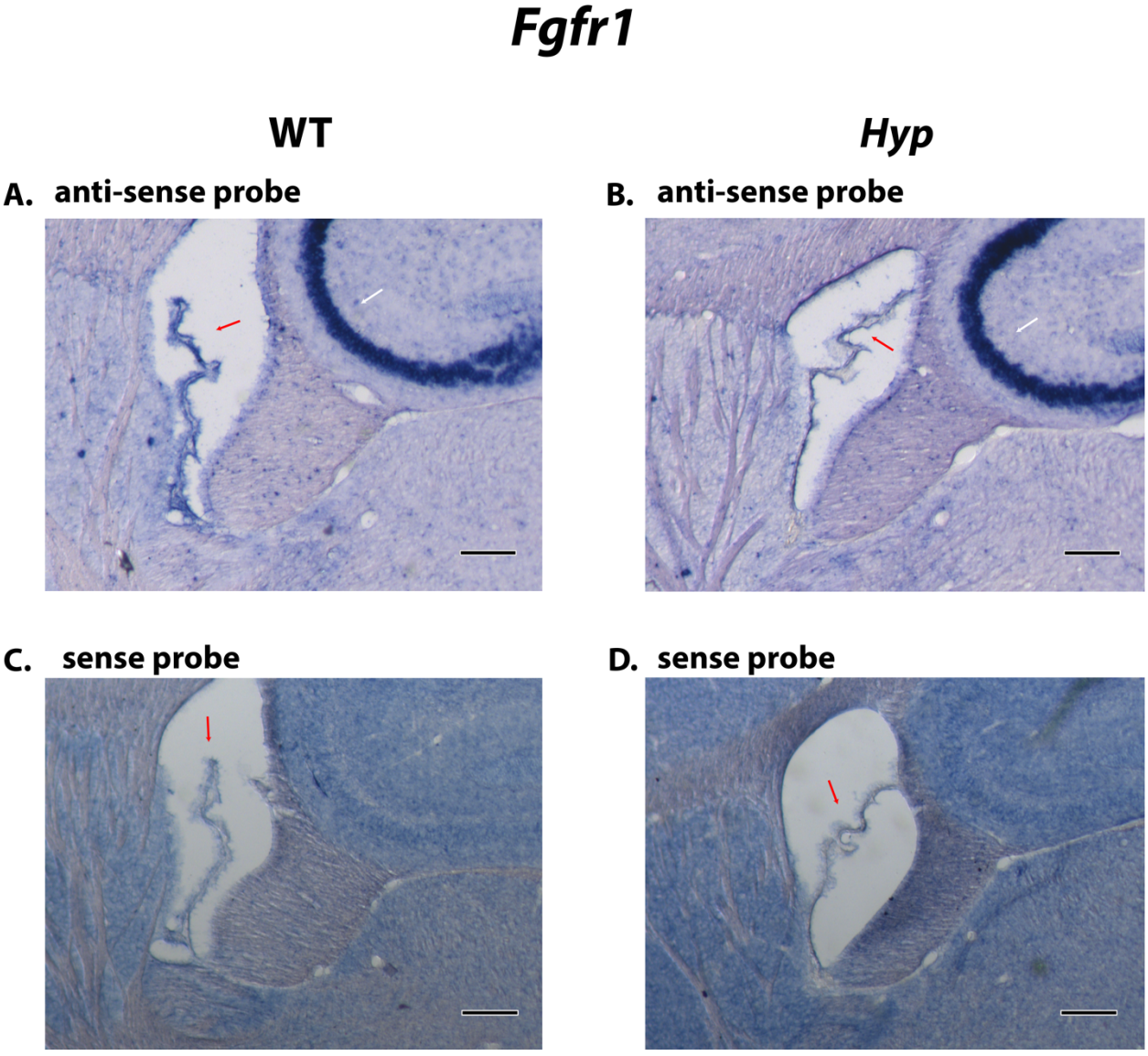
Altered expression of several molecular mediators of cerebral spinal fluid production in Hyp mice

Supplemental Figure 1



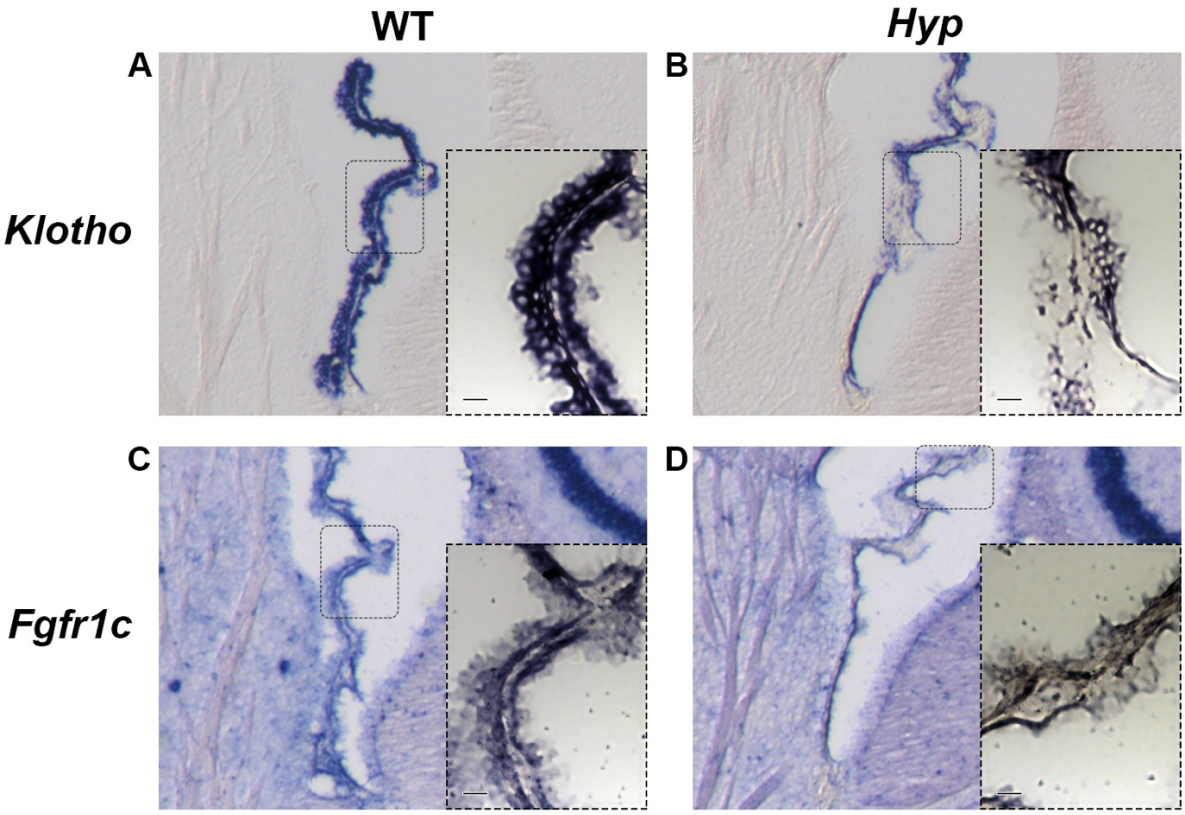
Supplemental Fig 1. Antisense (upper two panels) and sense probe control (lower two panels) for Klotho transcripts in Hyp mice (right side) and littermate controls (left side).

Supplemental Figure 2



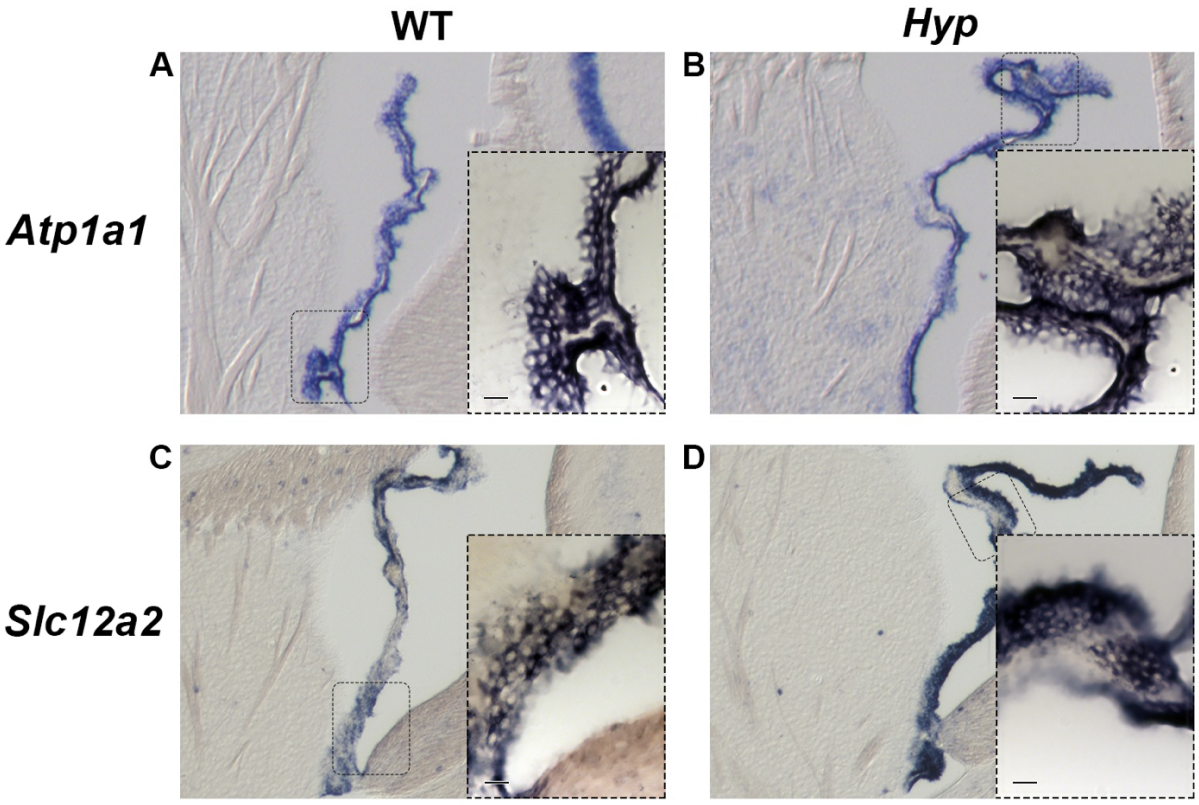
Supplemental Fig 2. Antisense (upper two panels) and sense probe control (lower two panels) for Fgfr1c transcripts in Hyp mice (right side) and littermate controls (left side).

Supplemental Figure 3



Supplemental Fig 3. Higher magnification views of the boxed areas shown in Fig 3. The “cobblestone” appearance of Klotho staining is more prominent in the control (A) compared to Hyp mice (B). The scale bar represents 20 μM.

Supplemental Figure 4



Supplemental Fig 4. Higher magnification views of the boxed areas shown in Fig 4. As expected, the staining for Atp1a1 and Slc12a2 mRNA transcripts is cytoplasmic. The scale bar represents 20 μM.

Supplemental Table 1: TaqMana assays used for qPCR reactions

Gene Symbol	Protein	NCBI Gene Reference	TaqMan Assay ID
Actb	Beta Actin	NM_007393.5	Mm00607939_s1
Fgfr1c	Fibroblast Growth Factor Receptor 1	NM_001079909.2	Mm00438930_m1
Kl	alpha-Klotho	NM_013823.2	Mm00502002_m1
Atp1a1	alph1 subunit of the ATPase Na+/K+	NM_144900.2	Mm00523255_m1
Slc12a2	Na-K-Cl Cotransporter, also called Solute Carrier 12a2	NM_009194.3	Mm01265951_m1

[a] TaqMan assays are from Applied Biosystems (Foster City, CA)