

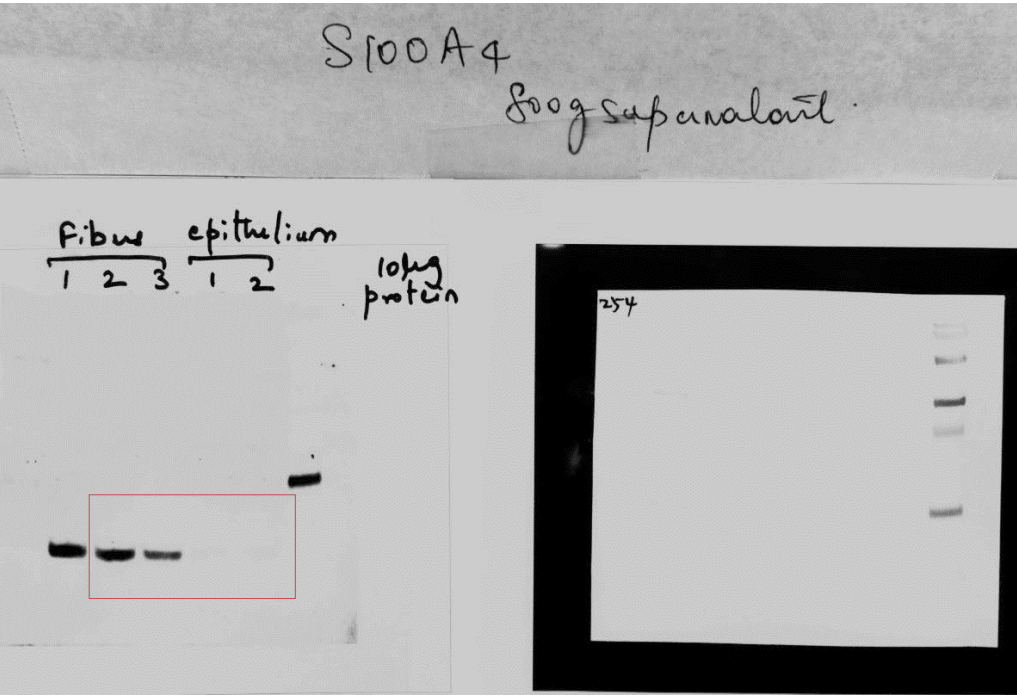
**Absence of S100A4 in the mouse lens induces an aberrant retina-specific differentiation program
and cataract**

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Original immunoblot images used in the manuscript

Fig. 1B

S100A4 in lens Fiber mass and Epithelium



GAPDH in lens Fiber mass and Epithelium

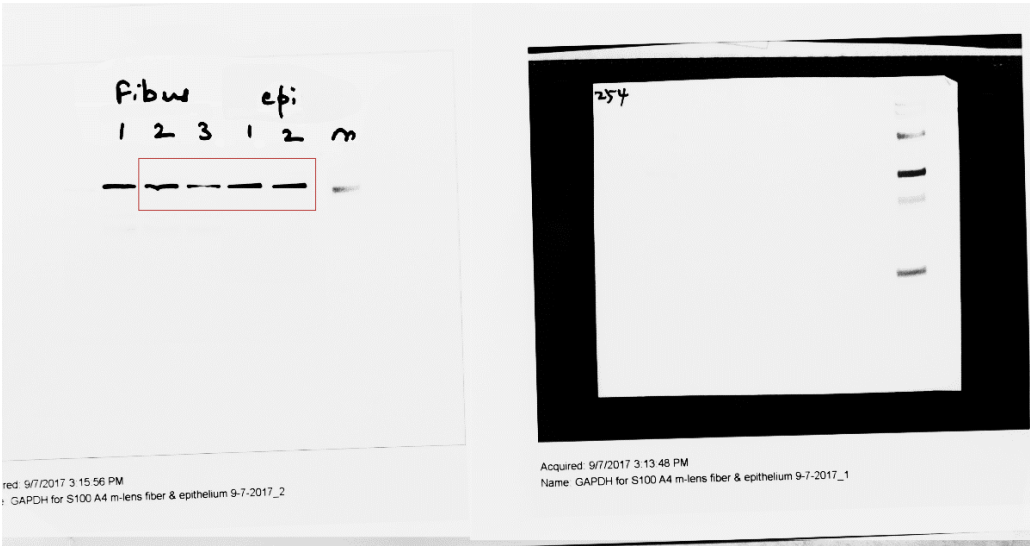
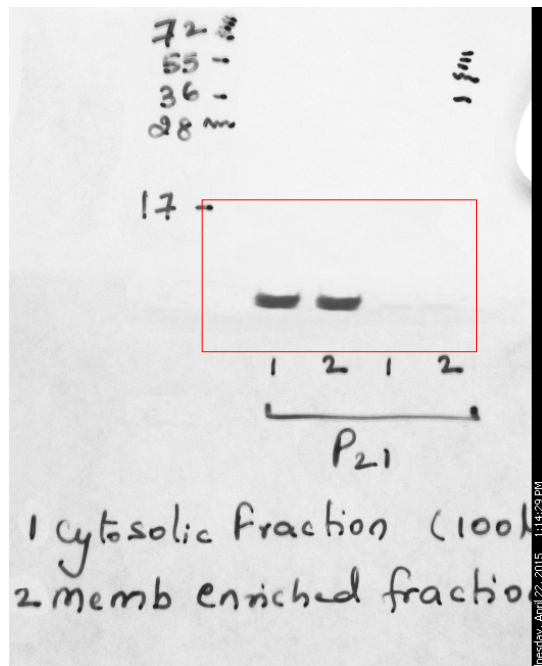


Fig. 1C

S100A4 in soluble and membrane fractions



Loading controls for soluble and membrane fractions

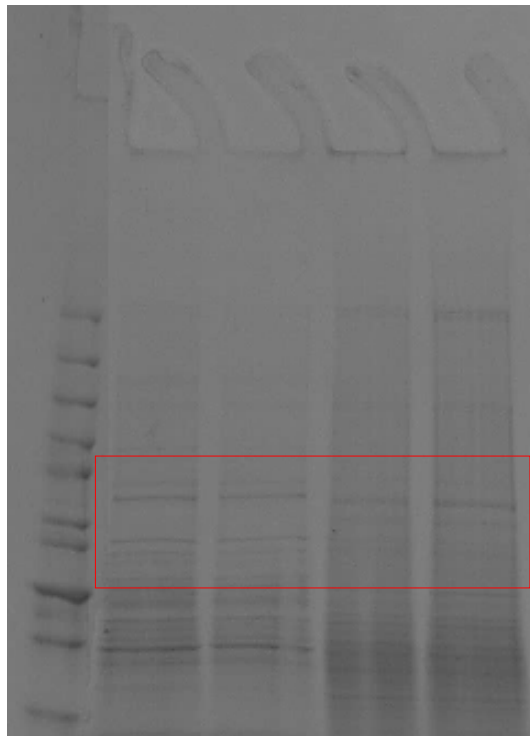


Fig. 4B

S100A5 and GAPDH in P30 *S100A4*^{-/-} and WT lenses

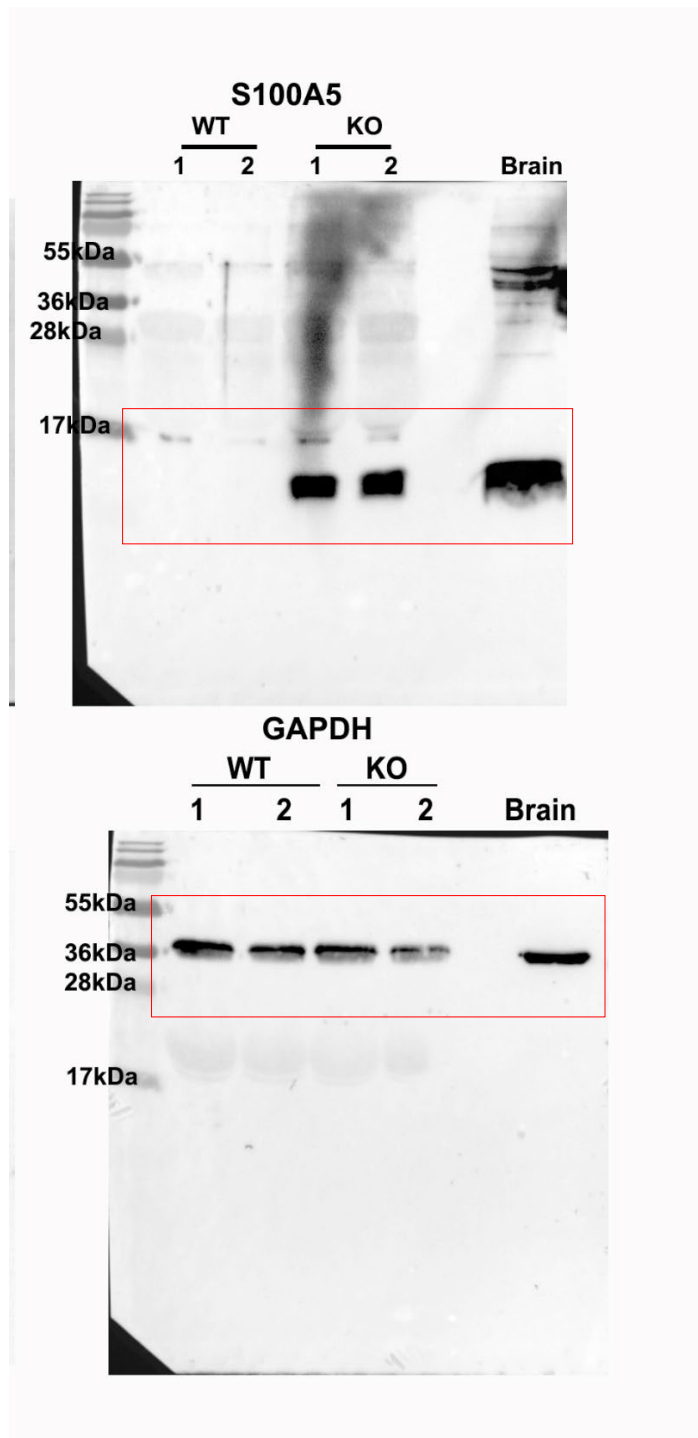


Fig. 5D

Photoreceptor specific proteins in *S100A4*^{-/-} lens lysates

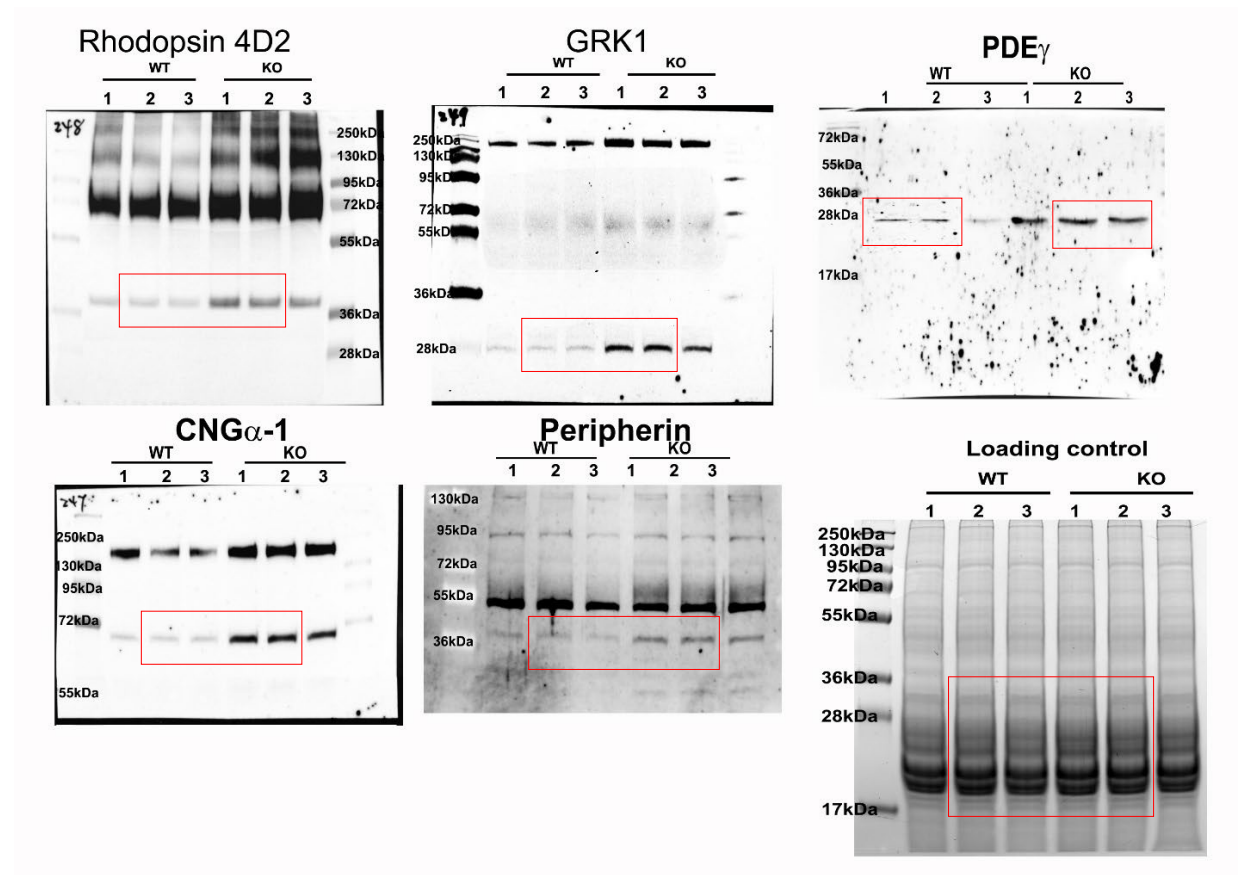


Fig. S1A

S100A4 was not detected in the nuclear fraction of the mouse lens fibers

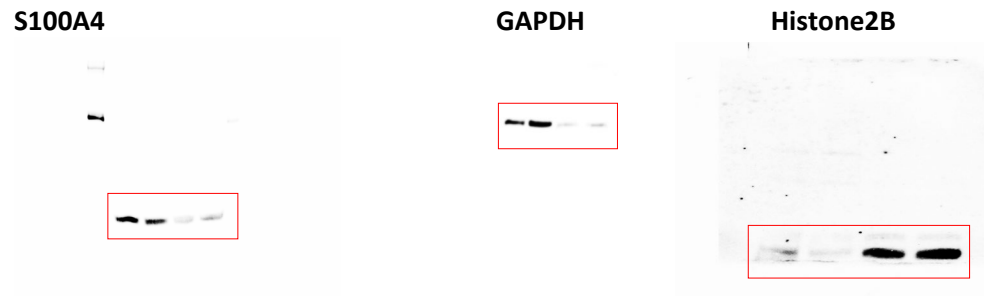


Fig. S1B

S100A4 was not detected in the conditioned medium of mouse lens.

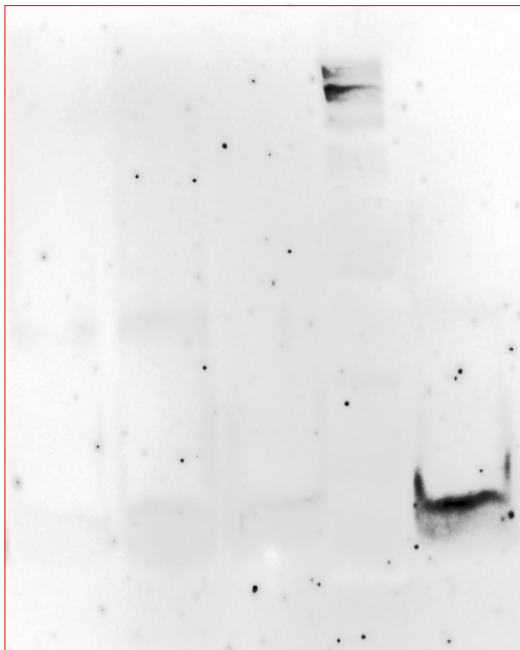


Fig. S3A

Wild type mouse retina does not express S100A4

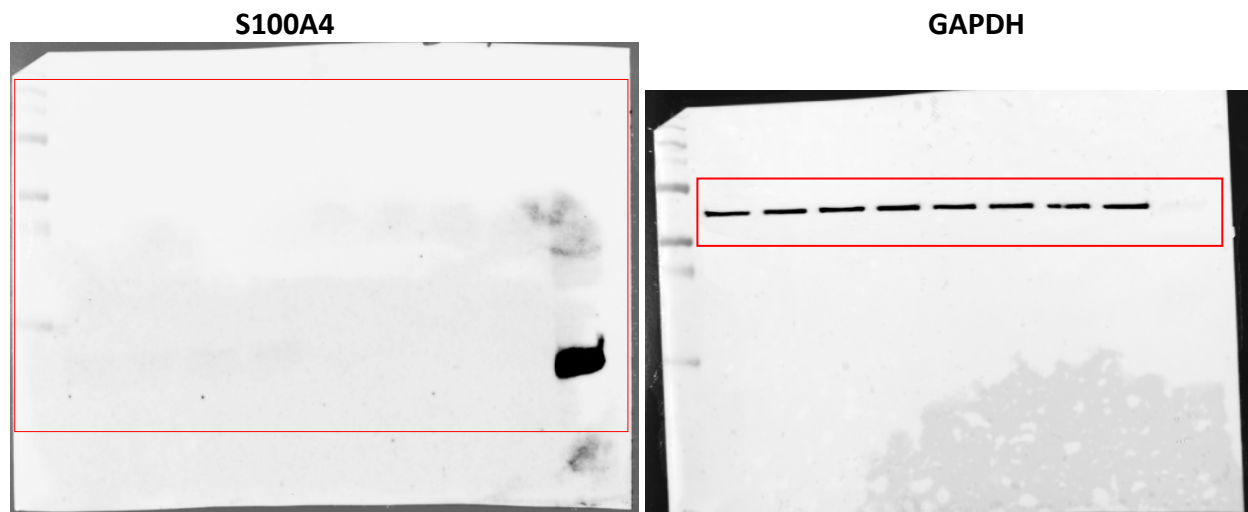


Fig. S3B

Wild type mouse retina does not express S100A5

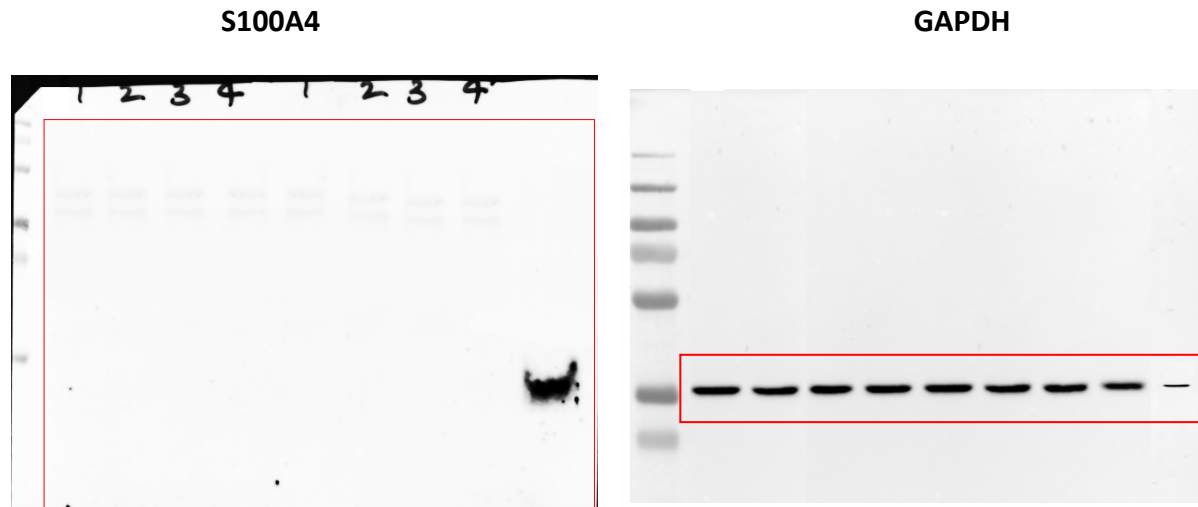
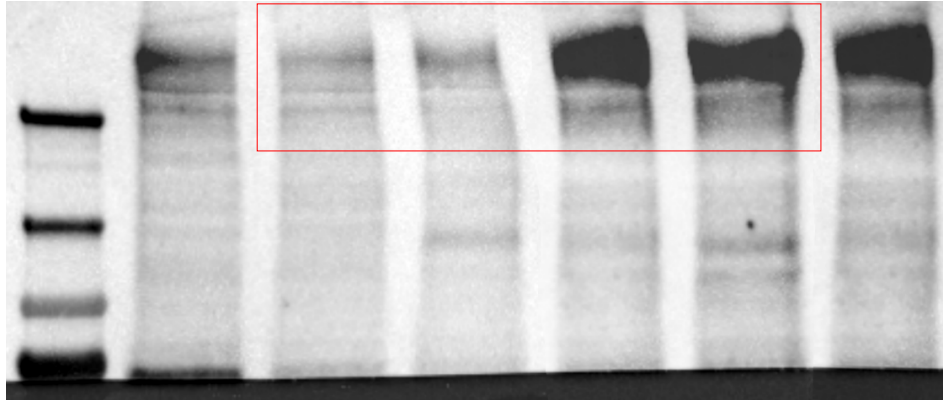


Fig. S5C

Upregulation of Collagen XVIII A1 in *S100A4*^{-/-} mouse lenses.

Collagen XVIII A1



GAPDH

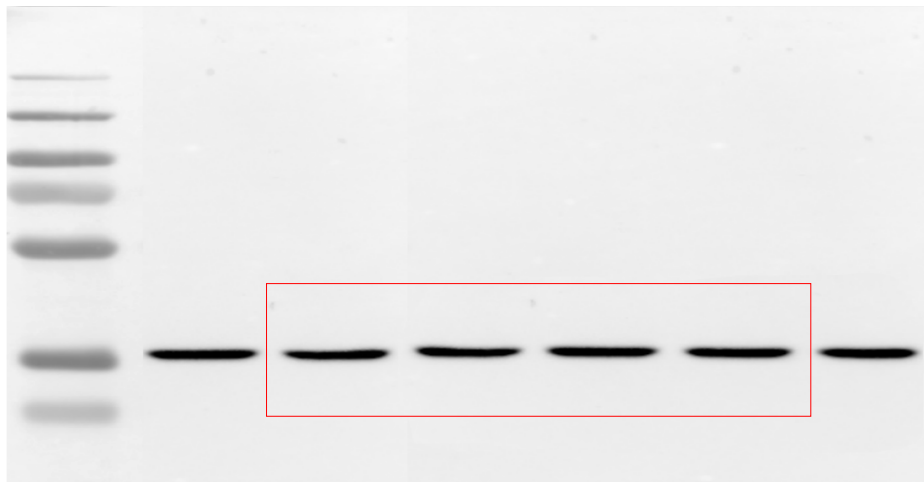
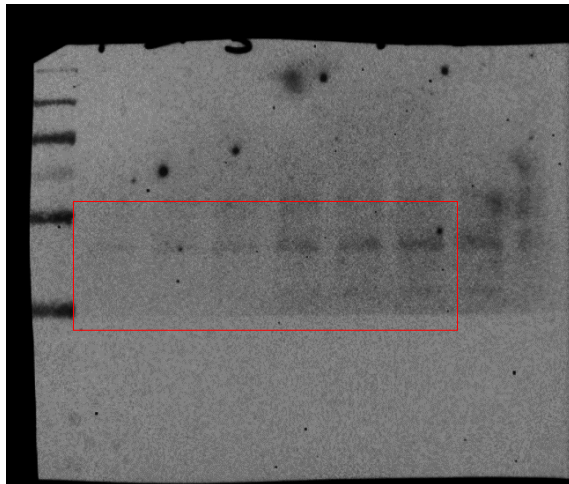


Fig. S6D

Induction of Glutamine Synthetase in *S100A4*^{-/-} mouse lens

Glutamine Synthetase



GAPDH

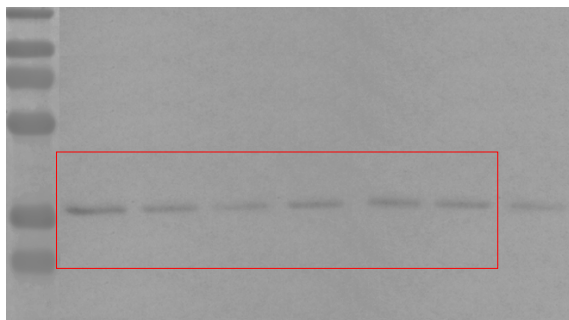
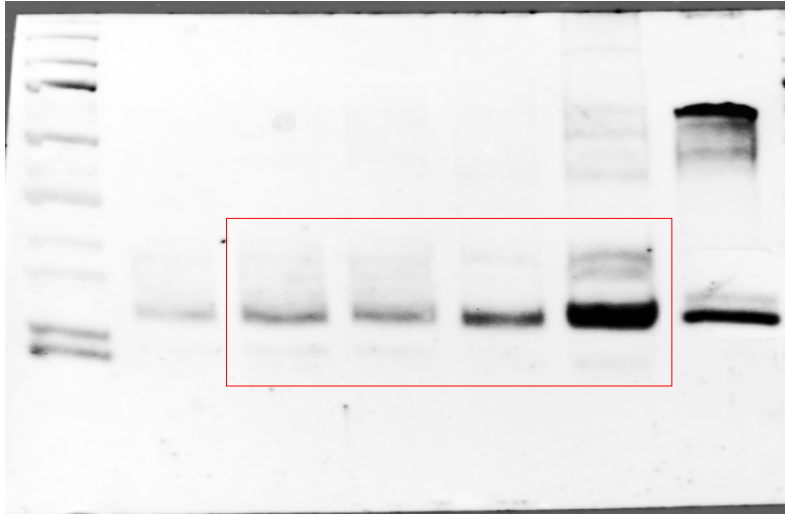


Fig. S7C

Upregulation of TauT protein in *S100A4*^{-/-} lenses

TauT



Loading Control

