

Figure S5. Upregulation of Glutamine Synthetase in the retinas of pdx1-/mutants. A. Cryosections of middle-aged (11 months old) controls (top) and pdx1-/- mutants (bottom), immunostained with anti-glutamine synthetase (magenta), nuclei are labeled by DAPI (gray). Hypertrophic processes are observed at the OLM (arrowheads) in pdx1-/- mutants. (INL: inner nuclear layer, ONL: outer nuclear layer, OLM: outer limiting membrane). Size bars indicate 20 μ m. B. Graph depicting GS staining intensity in pdx1+/+ compared to pdx1-/mutants, analyzed from samples as in (A) and Fig. 5J. pdx1+/+, n=11 regions from 4 samples; pdx1-/-, n=20 regions from 6 samples. Error bars represent SEM. ***, p<0001.