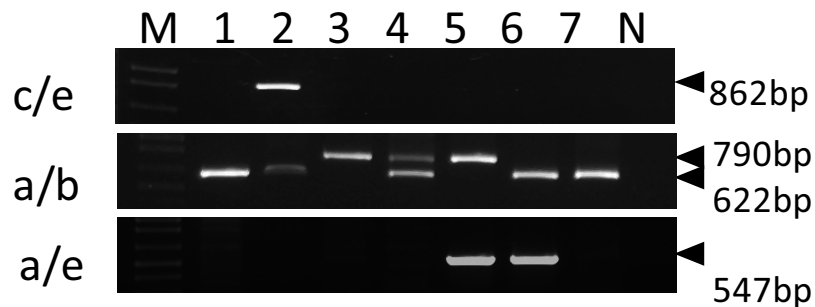


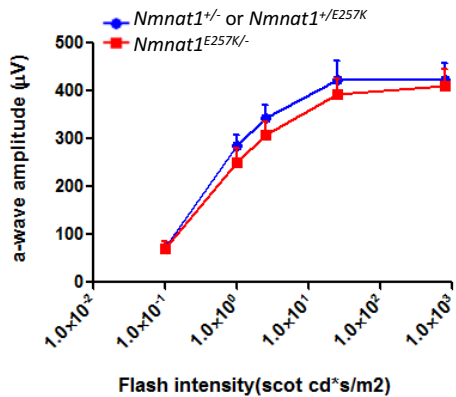
C



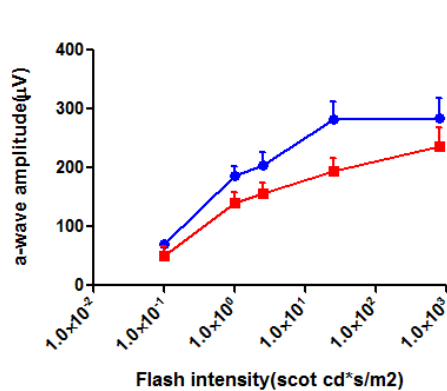
M: 1kb plus DNA ladder
 1: *Nmnat1*^{tm1a(EUCOMM)Wtsi/+}
 2: *Nmnat1*^{reporter-/+}
 3: *Nmnat1*^{flox/flox}
 4: *Nmnat1*^{flox/+}
 5: *Nmnat1*^{flox/-}
 6: *Nmnat1*^{+/-}
 7: *Nmnat1*^{+/+}
 N: non-template control

A

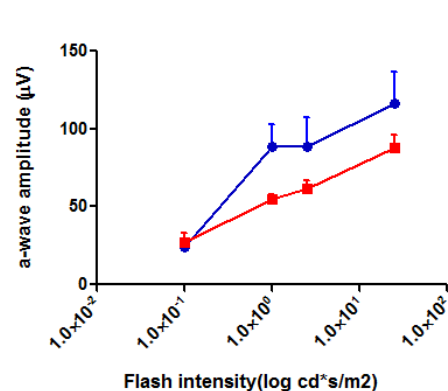
1 mo.



5 mo.

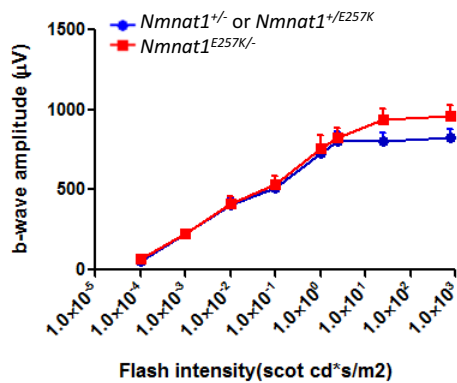


12 mo.

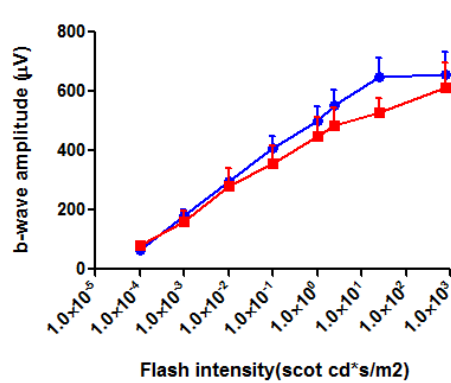


B

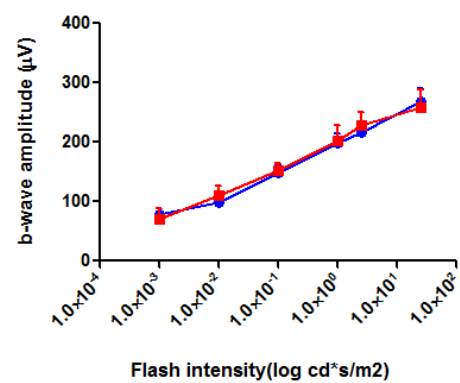
1 mo.



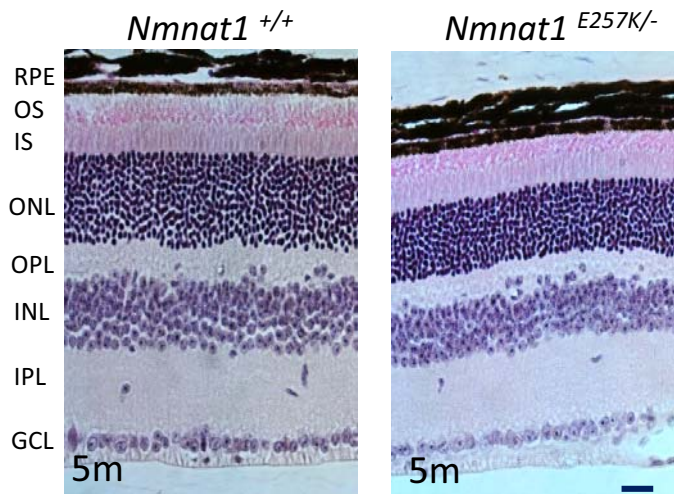
5 mo.



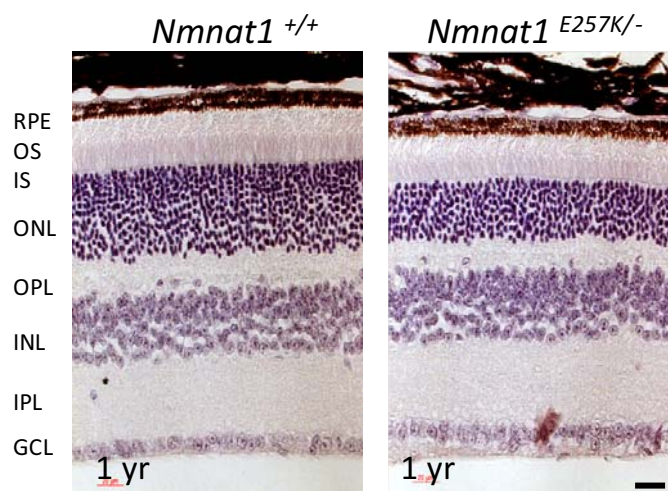
12 mo.



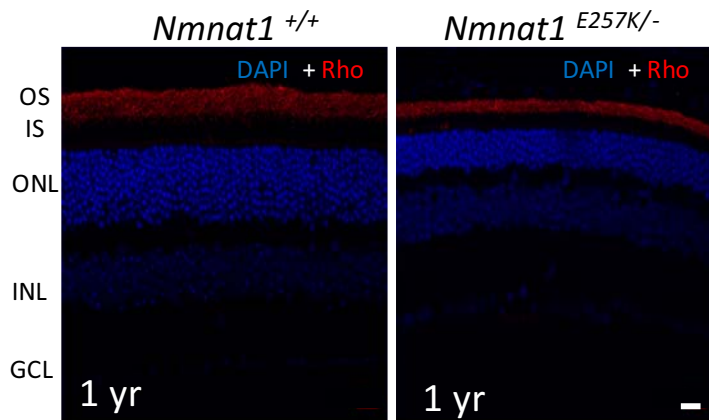
A



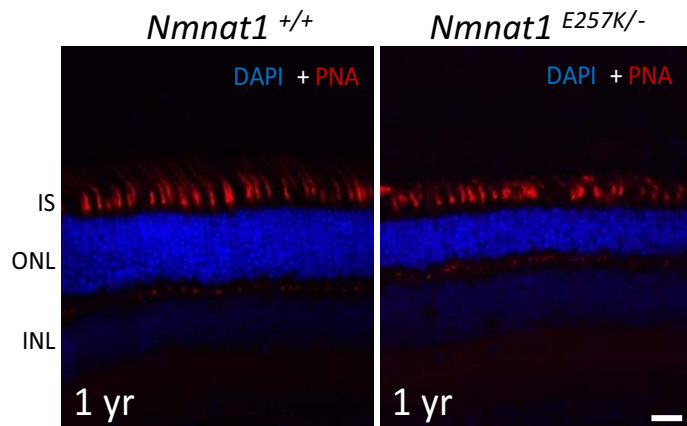
B



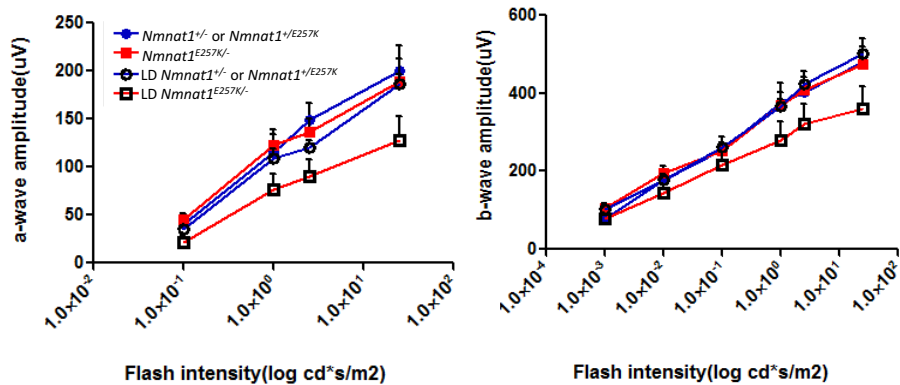
C



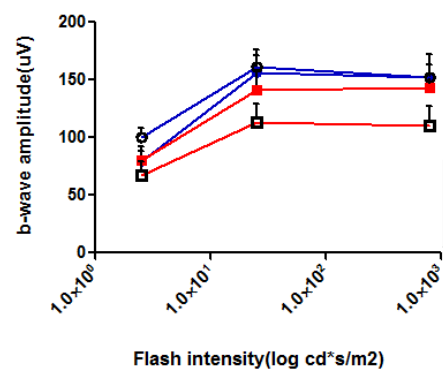
D



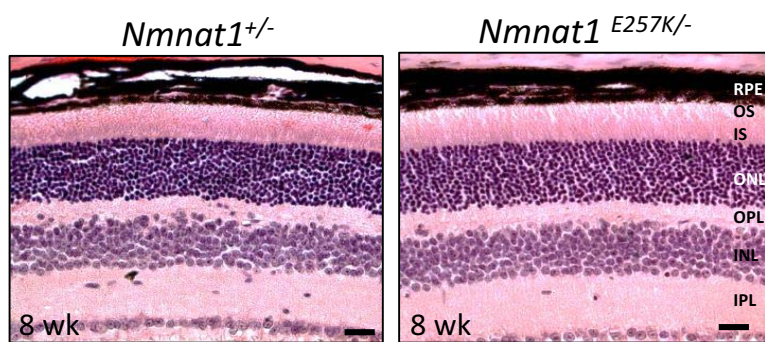
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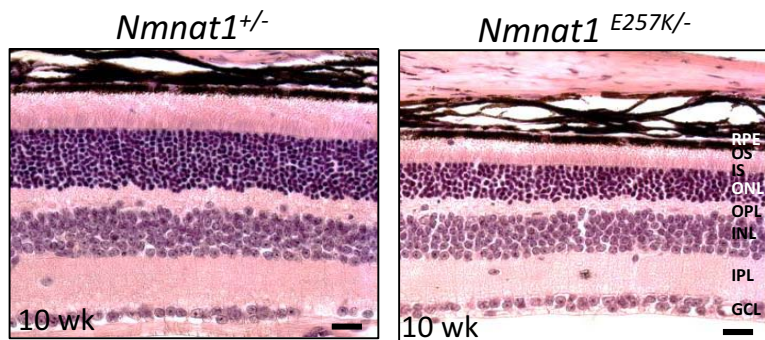
B



C

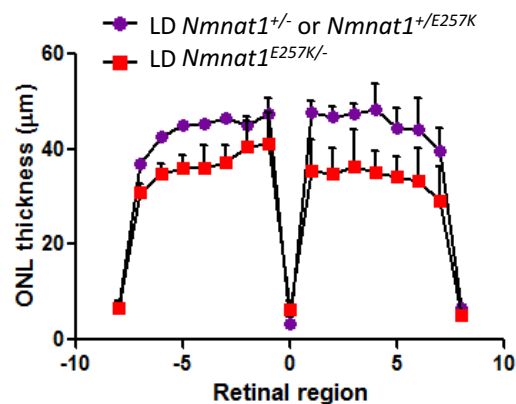


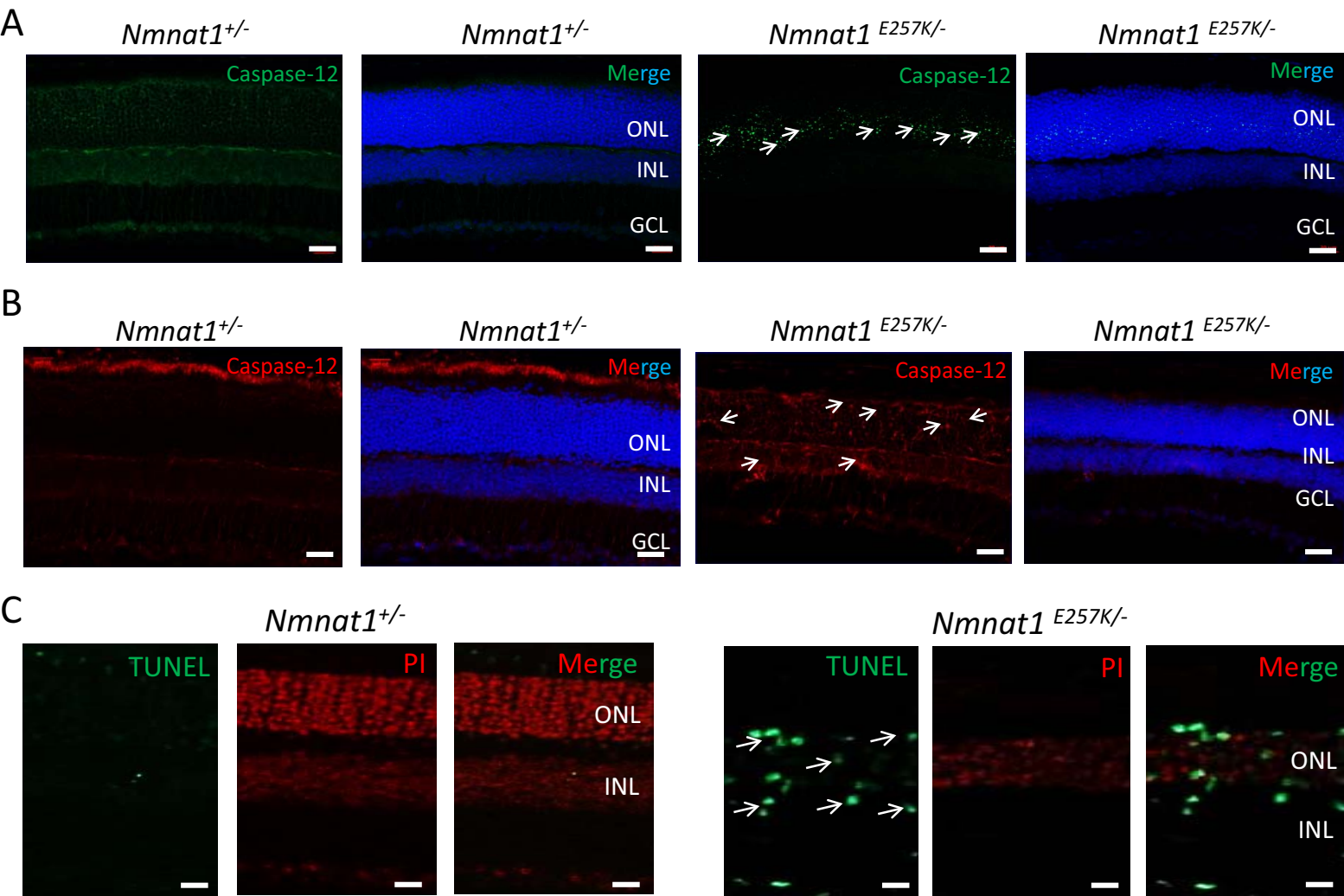
before Light damage



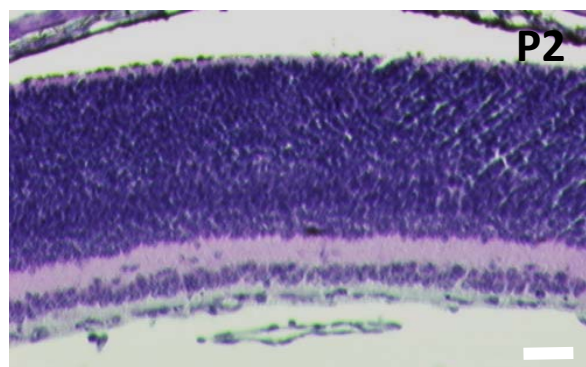
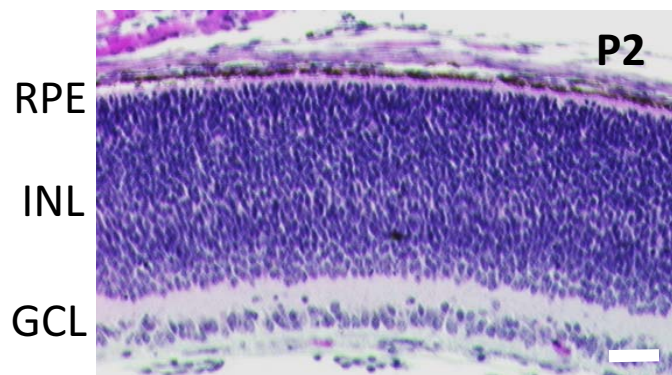
after Light damage

D

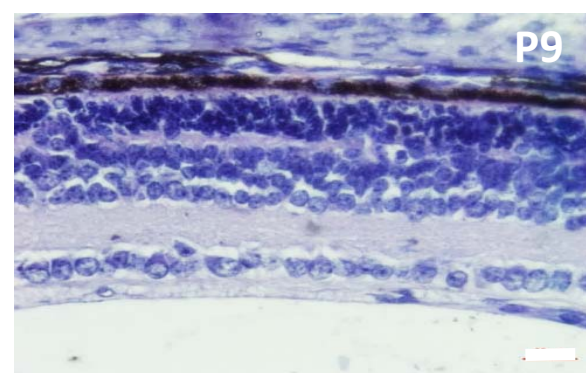
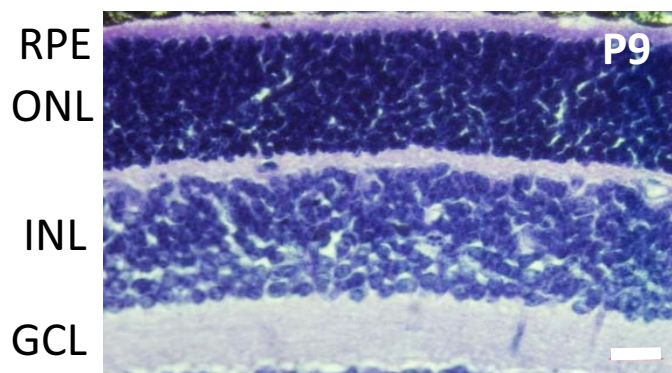




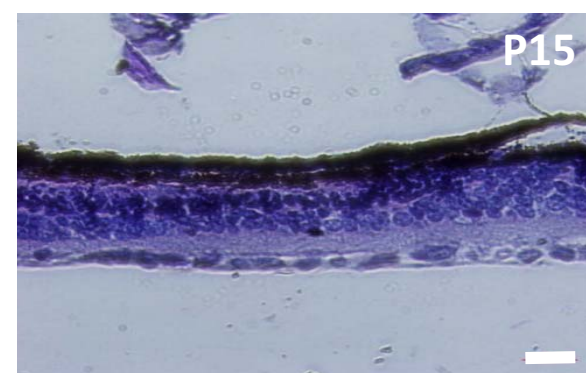
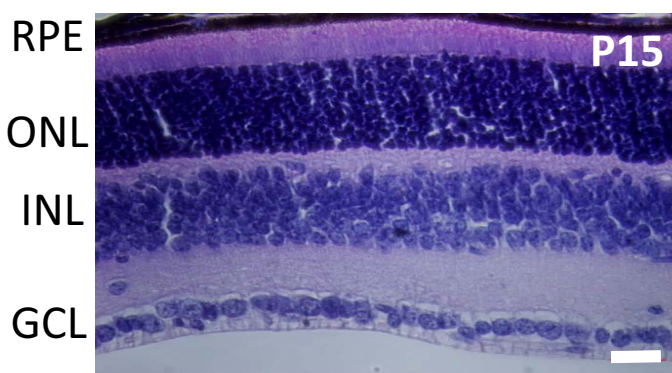
A

*Nmnat1^{flox/+}**Nmnat1^{flox/-};Chx10-Cre^{+/-}*

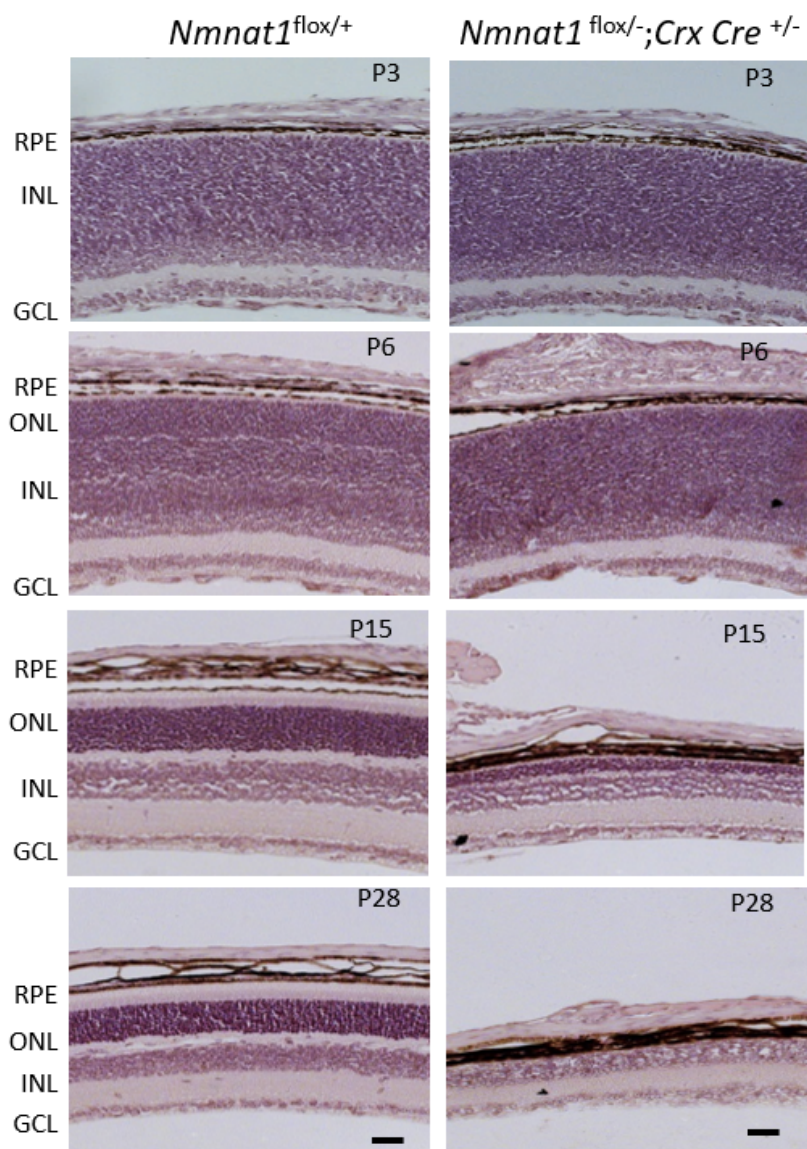
B



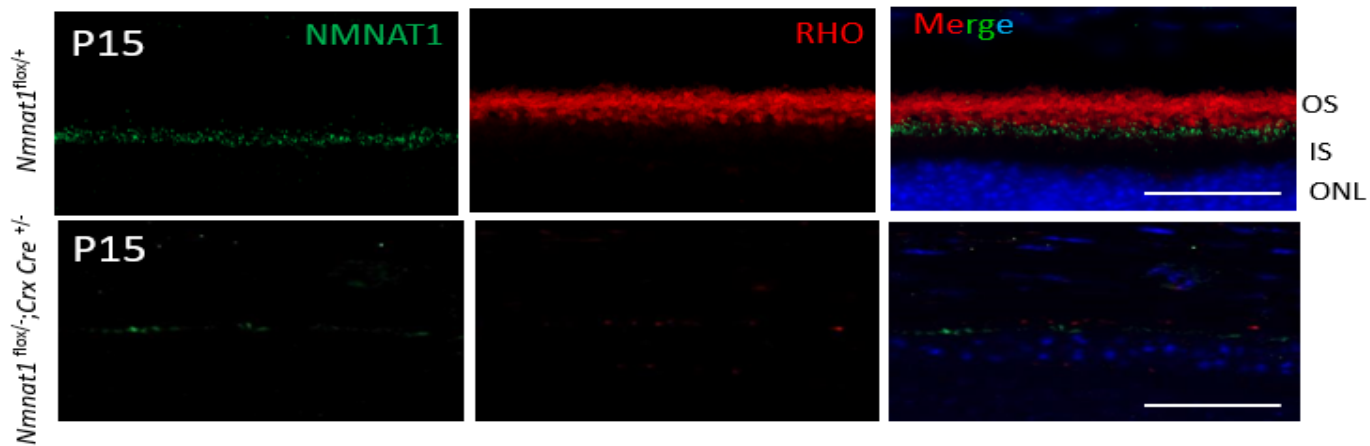
C



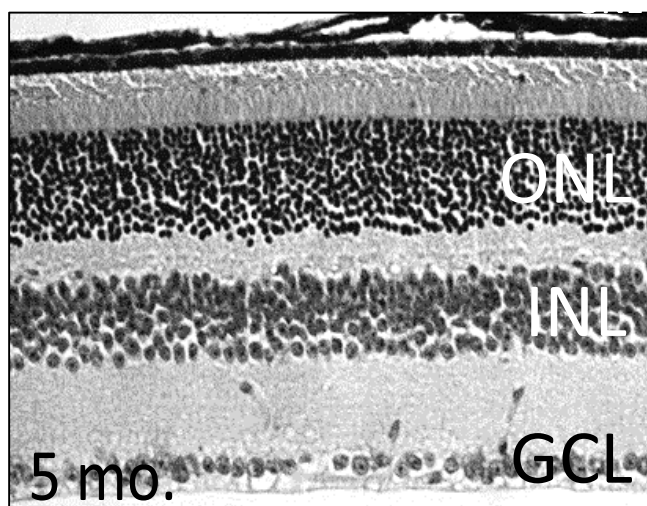
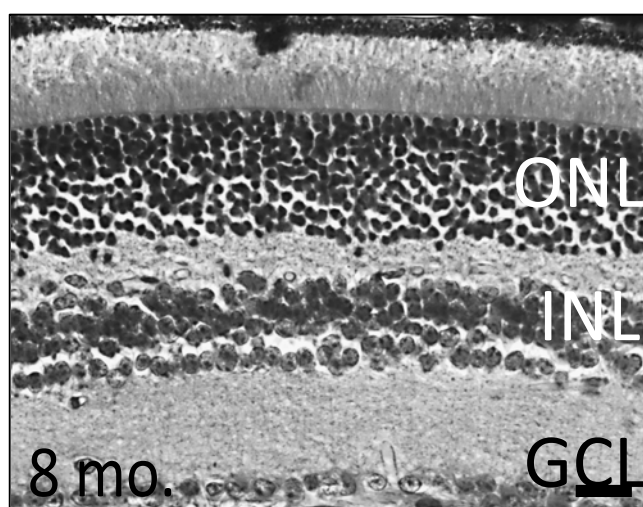
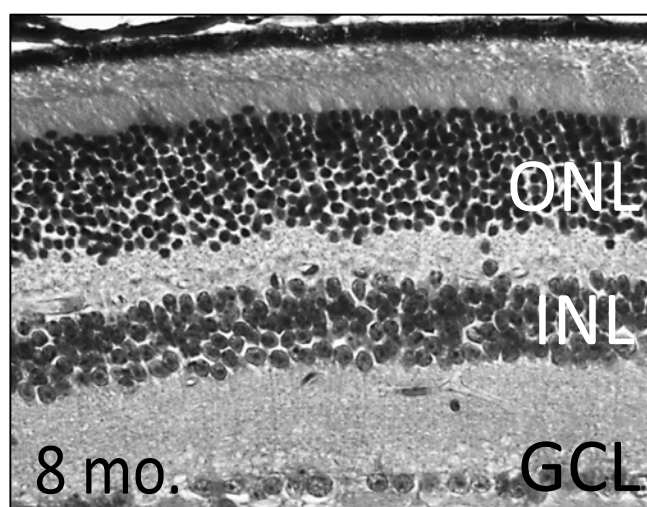
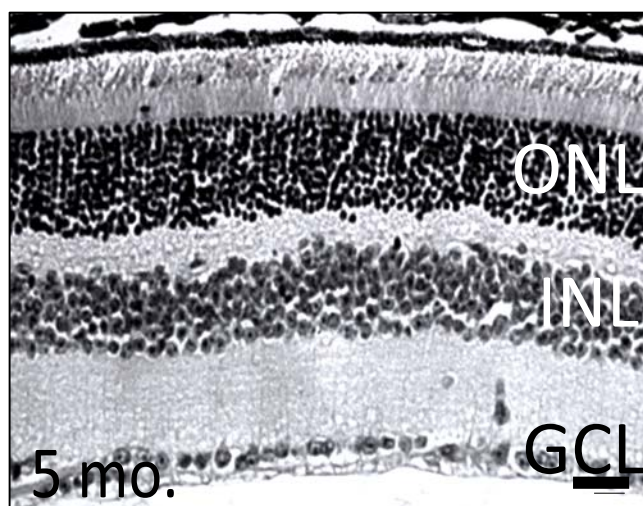
A



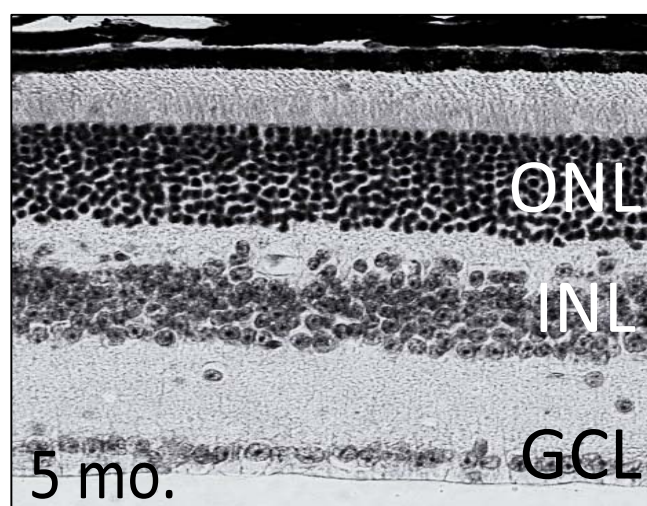
B



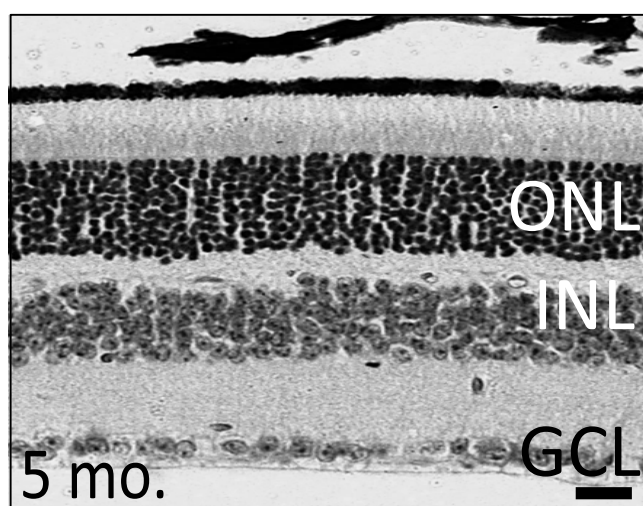
A

Nmnat1^{+/+}*Nmnat1*^{E257K/E257K}

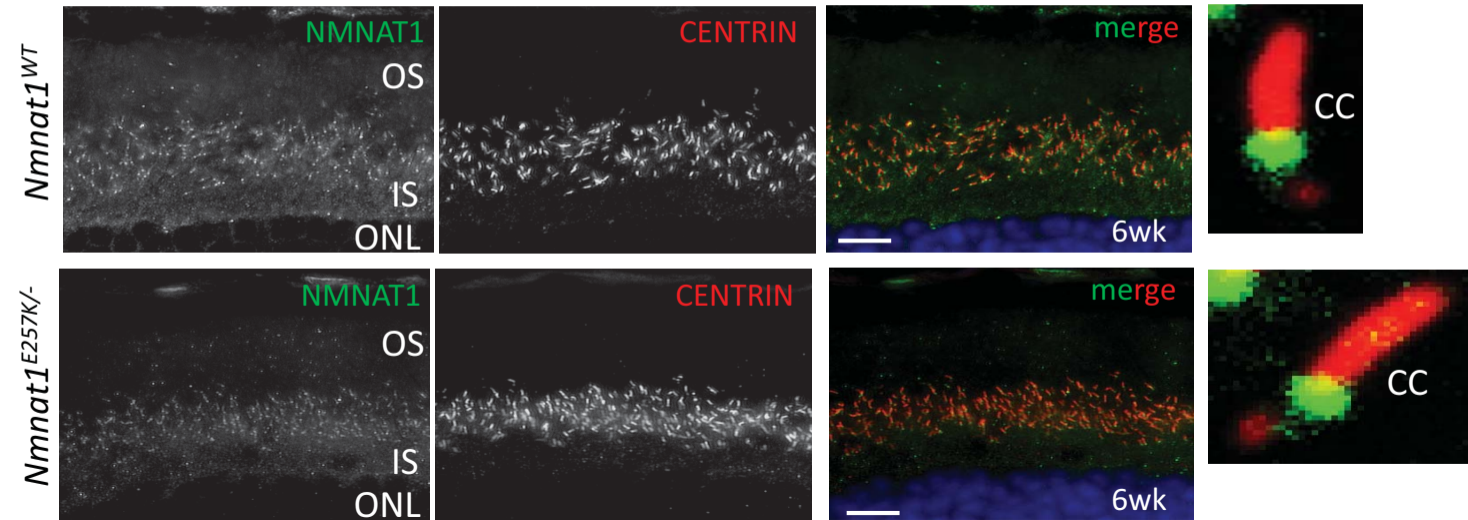
B

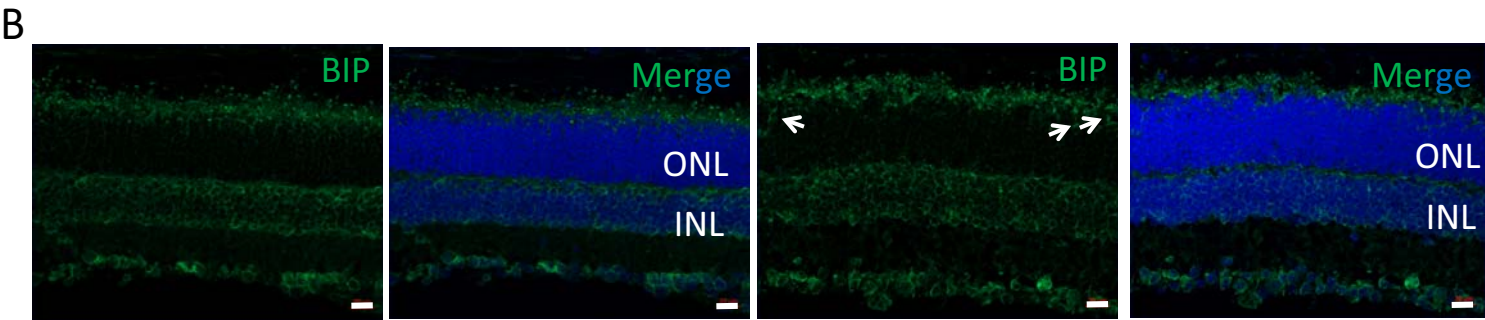
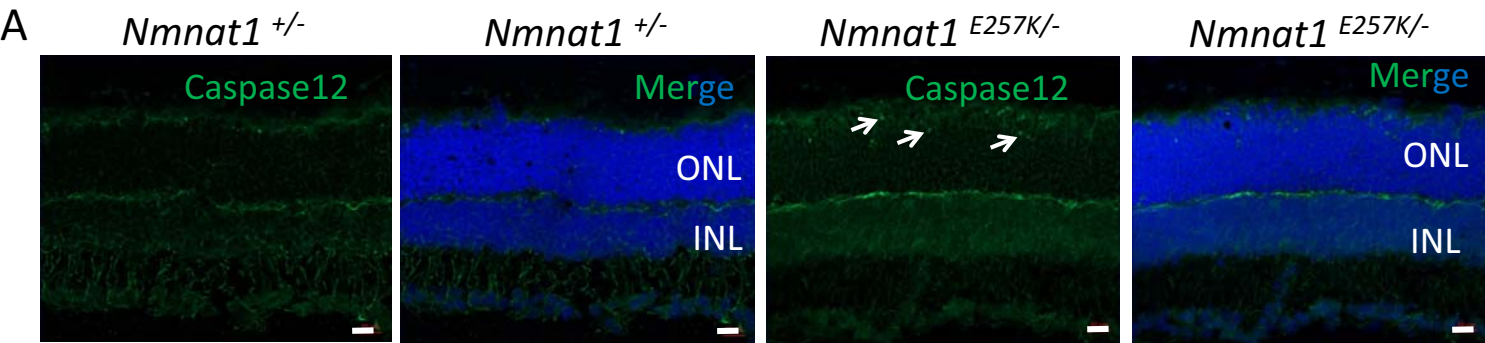
Nmnat1^{E257K/E257K}

Before LD

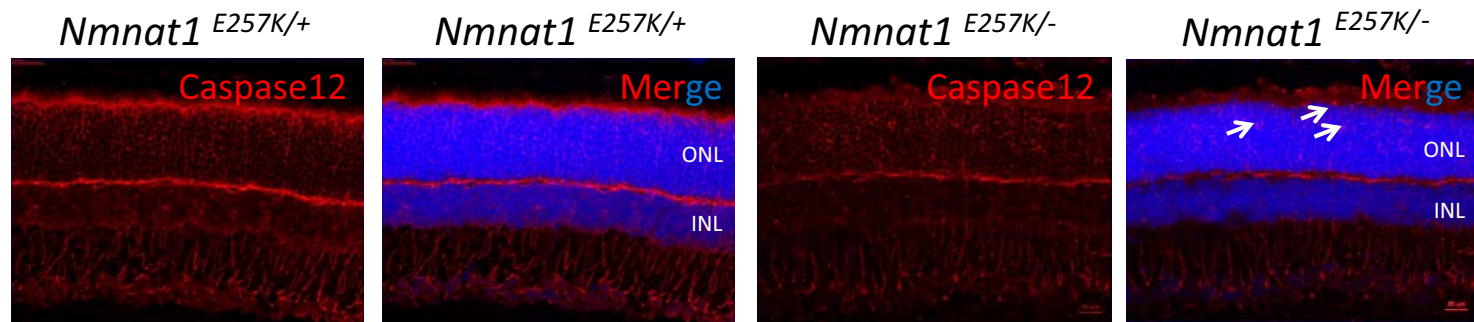
Nmnat1^{E257K/E257K}

After LD

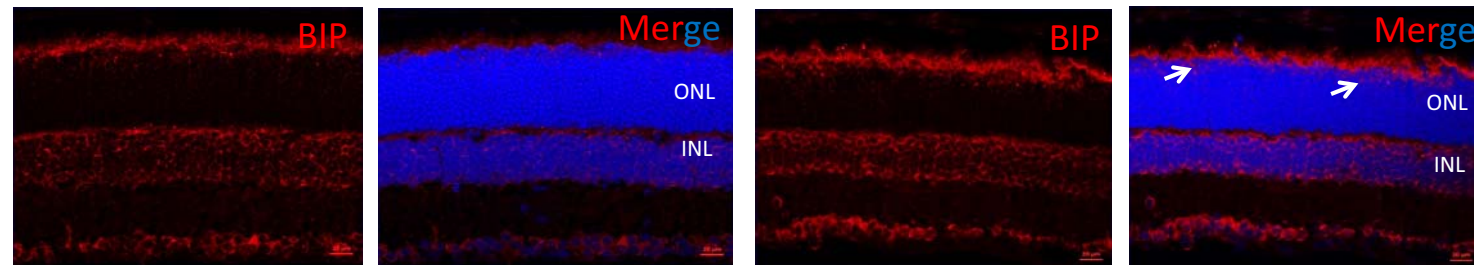




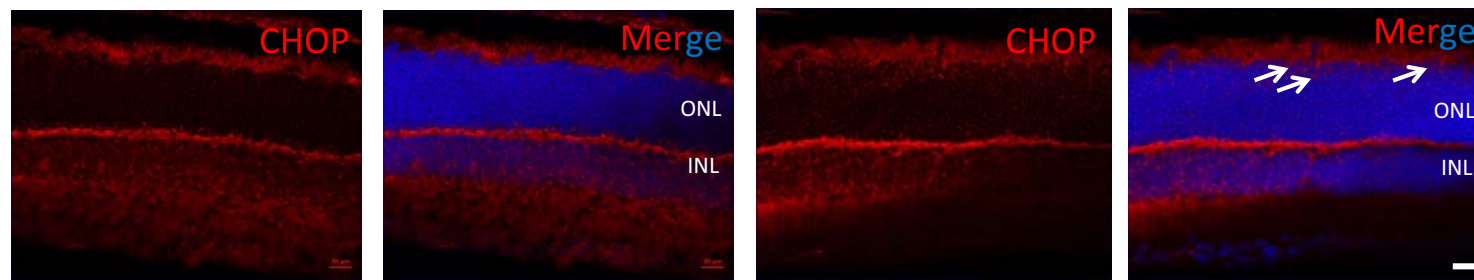
A



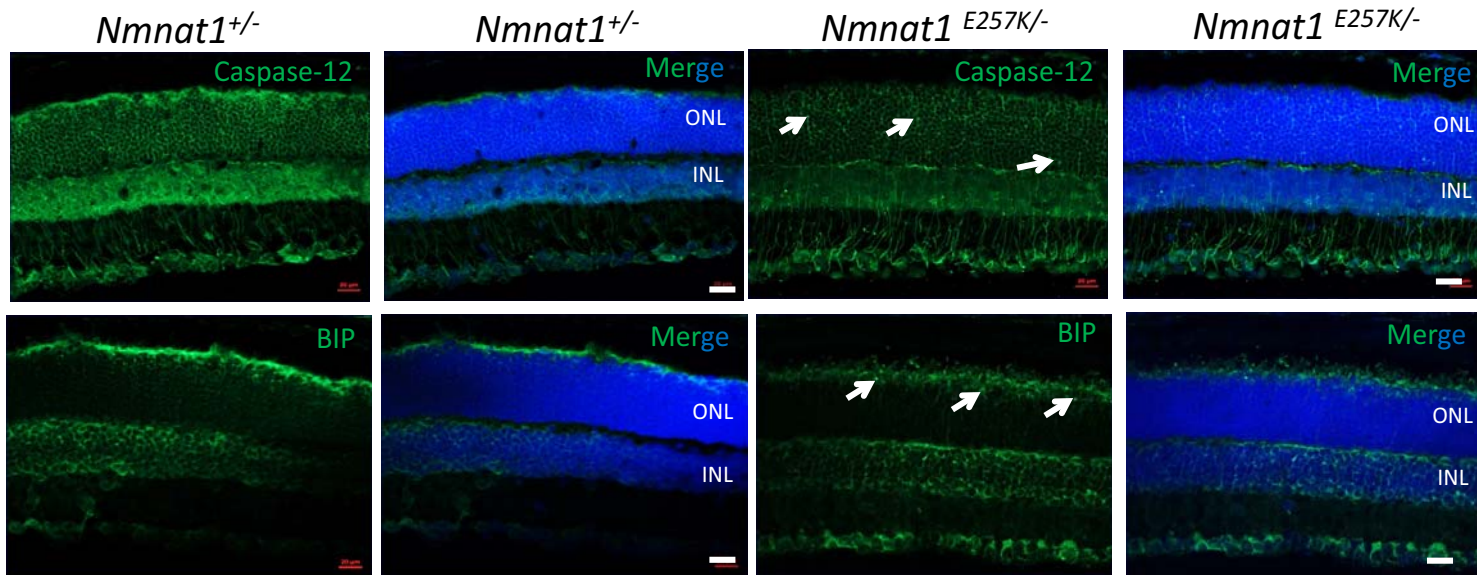
B



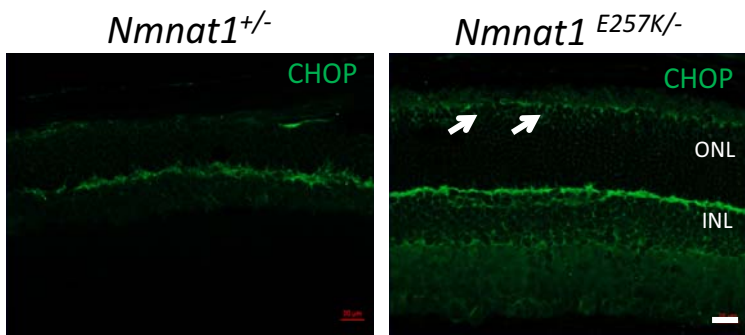
C



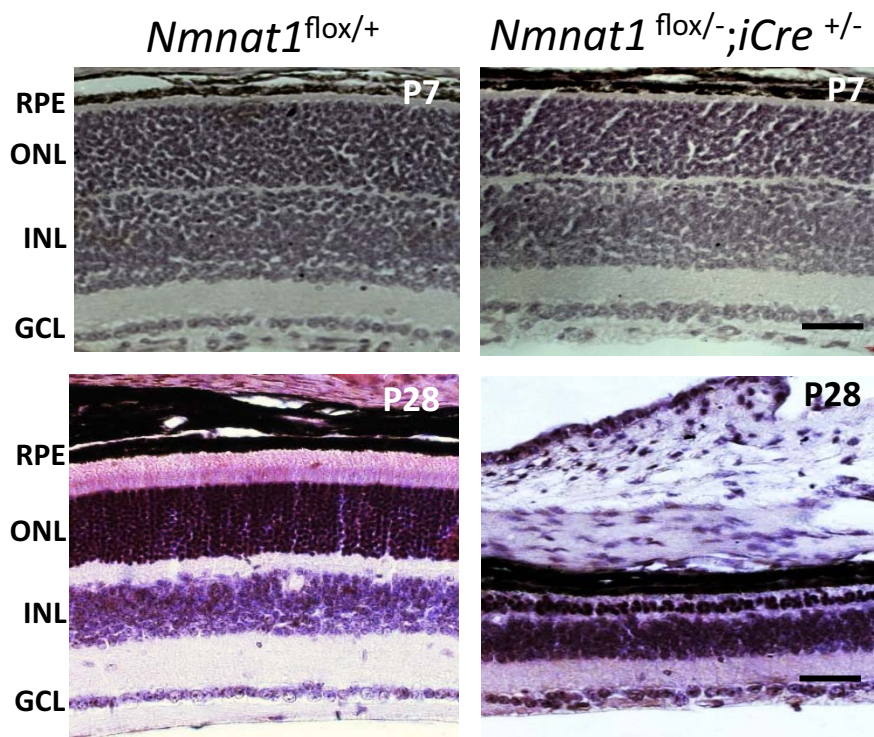
A



B



A



B

