Figure S6. Expression of cdh2 transcripts in differentiating photoreceptors

(A-A'') In situ hybridization for cdh2 transcripts (A, white or A'', A''', magenta) in a retinal cross-section from the Müller glial reporter line, Tg(gfap:EGFP) (A'-A''', green). In situ hybridization was performed as previously described [1]. In brief, after rehydration and proteinase K treatment, retinal cross-sections were incubated with digoxigenin-labeled RNA probes for cdh2 in Hauptmann's hybridization solution at 65°C overnight. Sections were then washed, treated with alkaline phosphatase conjugated anti-digoxigenin antibody (Roche, Basel, Switzerland), and blocked with Maleate Blocking solution. The signal was detected with Fast Red (Roche, Basel, Switzerland). Proliferating progenitors in the germinal zone (on the right), immature cone photoreceptors (arrow), and mature Müller glia (arrowheads) in the inner nuclear layer all express cdh2 transcripts. Mature photoreceptors in the outer nuclear layer of the mature, differentiated retina (to the left) do not express cdh2. ONL, outer nuclear layer; INL, inner nuclear layer. Scale bar: 10 µm.


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