

Table S1. ISL1 and BRN3B regulate the expression of *Gap43* and *L1cam* in the retina

Gene	<i>Isl1</i> null			<i>Brn3b</i> null		
	Relative expression	Standard deviation	t-test	Relative expression	Standard deviation	t-test
<i>Gap43</i>	0.578	0.029	<i>P</i> <0.001	0.482	0.010	<i>P</i> <0.001
<i>L1cam</i>	0.690	0.017	<i>P</i> <0.01	0.727	0.082	<i>P</i> <0.05

Real time PCR is performed with E14.5 retinas from *Isl1* nulls, *Brn3b* nulls and the controls. Relative expression of genes is calculated using the formula: $2^{\Delta MT - \Delta WT}$. ΔMT is the difference of cutoff cycles between the gene of interest and the control gene (β -actin) for mutants and ΔWT is that for controls. The numbers listed in the table are the average from three independent experiments.