

**Supplementary information, Table S2**

<b>A). Percentage of retinal cells after 4 days in bFGF-containing differentiation medium</b>				
Cell type	Antibody	Percent positive	Hoechst, n	Replicates
Ganglion cell	$\beta$ -tubulin III/NeuN	33.97 $\pm$ 3.29	2966	5
Müller cell	GS/Vimentin	30.05 $\pm$ 0.76	2198	4
Photoreceptors	Recoverin	1.89 $\pm$ 0.19	1011	3
Bipolar cell	PKC	4.23 $\pm$ 0.93	880	3
Amacrine cell	Pax6	0	5000	3
Horizontal cell	Calbindin	0	3400	3

<b>B). Amacrine and Horizontal cells appear after 4 days in bFGF+NGF+IGF-1 differentiation medium</b>				
Cell type	Antibody	Percent positive	Hoechst, n	Replicates
Amacrine cell	Pax6	2.23 $\pm$ 0.32	2321	3
Horizontal cell	Calbindin	5.43 $\pm$ 0.61	4055	3