

Supplementary information, Table S1

Gene title	Gene symbol	Fold Change	p-value	Pea3 (M00655) binding sites	Ets (M00971) binding sites	Gene functions
Cell cycle regulators						
cyclin D2	Ccnd2	-8.3*	0.03			Cell cycle progression, G1/S transition
cyclin D1	Ccnd1	-4.2	0.0003	575 (-)**		Cell cycle progression, G1/S transition
myeloblastosis oncogene	Myb	-4.0	0.0002			Regulation of G1-S progression
inner centromere protein	Incnp	-3.0	0.01	2451 (+) 4788 (+)	4788 (+)	Chromosome segregation, cytokinesis
abnormal spindle-like microcephaly associated	Aspm	-2.9	0.02			Mitosis, forebrain neuroblast division
cell division cycle 25 homolog A	Cdc25a	-2.0	0.05	333 (-) 388 (-) 1794 (+) 3492 (+)	387 (-)	CDK phosphatase, cell cycle progression.
cell division cycle associated 2	Cdca2	-2.0	0.05	4202 (-)		Mitosis
SRY-box containing gene 2	Sox2	-2.0	0.03	4049 (-) 4732 (+)	4048 (-)	Proliferation of neural retinal cells
Cytoskeleton regulators						
coactosin-like 1	Cotl1	-6.3	0.001			Actin binding, defense response to fungus
enabled homologue	Enah	-4.3	0.03	591 (-) 1829 (-)	590 (-)	Actin filament organization, neural tube closure
Wiskott-Aldrich syndrome-like	Wasl	-2.8	0.04	2160 (-) 3520 (-) 3818 (+) 4055 (-)		Regulator of cortical actin filament
coronin, actin binding protein 1C	Coro1c	-2.6	0.04			Remodeling of cortical actin cytoskeleton
actin-binding LIM protein 1	Ablim1	-2.2	0.03	2796 (+)		Cytoskeleton organization and axon guidance
Ras homolog gene family, member A	Rhoa	-2.0	0.04	1882 (-) 2253 (+)	1881 (-) 2253 (+)	Actin cytoskeleton organization and biogenesis, cell morphogenesis, and cell adhesion.

palladin	Palld	-2.1	0.04	5 (-) 366 (+) 2702 (-) 3885 (+)		Actin cytoskeleton organization, neural tube closure
Retinal cell fate determinants						
paired box gene 6	Pax6	+1.4	0.0000 6	760 (+) 858 (-) 1561 (+) 3315 (-) 4084 (-)	760 (+) 1561 (+) 3314 (-)	Control of NR and RPE cell fates
visual system homeobox 2	Vsx2	-4.0	0.0000 3	1654 (-)		Control of the NR cell fate
microphthalmia-associated transcription factor	Mitf	+1.9	0.0000 3	117 (-)		Control of the RPE cell fate
ventral anterior homeobox-containing gene 1	Vax1	-2.4	0.0003	390 (+) 528 (+) 2485 (+)	390 (+)	Control of the OF cell fate

Table S1 FGF signaling controls expression of the genes important for cell cycle progression, actin cytoskeleton dynamics and cell fate determination.

*Negative numbers indicate fold changes for downregulation, whereas positive numbers denotes fold changes for upregulation.

** (+) denotes the location of downstream to the transcription start site, whereas (-) denotes the location of upstream to the transcription start site.