

| Top upregulated genes in radial glia | | | |
|--------------------------------------|--|-------------|--------------------------|
| Gene symbol | Gene name | Fold change | padj* |
| <i>Shisa9</i> | Shisa Family Member 9 | 6.488 | 4.82 X 10 ⁻⁷² |
| <i>Gabra2</i> | Gamma-Aminobutyric Acid Type A Receptor Alpha2 Subunit | 4.726 | 1.30 X 10 ⁻²⁴ |
| <i>Diras2</i> | DIRAS Family GTPase 2 | 4.662 | 1.39 X 10 ⁻⁴⁸ |
| <i>Pdzrn3</i> | PDZ Domain Containing Ring Finger 3 | 4.391 | 1.40 X 10 ⁻⁵⁹ |
| <i>Sema6d</i> | Semaphorin 6D | 4.088 | 1.19 X 10 ⁻³³ |
| <i>Ptx3</i> | Pentraxin 3 | 3.812 | 1.41 X 10 ⁻³⁸ |
| <i>Tmem35</i> | Transmembrane Protein 35A | 3.283 | 1.61 X 10 ⁻²⁰ |
| <i>Gm26911</i> | Predicted gene 26911 | 3.250 | 1.14 X 10 ⁻¹⁹ |
| <i>Kremen1</i> | Kringle Containing Transmembrane Protein 1 | 3.216 | 3.51 X 10 ⁻³⁵ |
| <i>Itga6</i> | Integrin Subunit Alpha 6 | 3.148 | 1.95 X 10 ⁻⁵³ |
| <i>Tmeff2</i> | Transmembrane Protein With EGF-Like And Follistatin-Like Domains 2 | 3.135 | 3.24 X 10 ⁻²⁷ |
| <i>Adamts20</i> | ADAM Metallopeptidase With Thrombospondin Type 1 Motif 20 | 2.939 | 1.96 X 10 ⁻²⁹ |
| <i>Lifr</i> | LIF Receptor Alpha | 2.821 | 8.01 X 10 ⁻³² |
| <i>Fosl2</i> | FOS Like 2, AP-1 Transcription Factor Subunit | 2.708 | 1.73 X 10 ⁻¹⁷ |
| <i>Fam78b</i> | Family With Sequence Similarity 78 Member B | 2.625 | 3.70 X 10 ⁻¹⁵ |
| <i>Dab2</i> | DAB2, Clathrin Adaptor Protein | 2.611 | 2.69 X 10 ⁻²⁵ |
| <i>Epha3</i> | EPH Receptor A3 | 2.601 | 1.65 X 10 ⁻¹⁵ |
| <i>Cdh20</i> | Cadherin 20 | 2.581 | 4.98 X 10 ⁻²⁷ |
| <i>Filip1</i> | Filamin A Interacting Protein 1 | 2.579 | 1.08 X 10 ⁻¹⁴ |
| <i>Tox2</i> | TOX High Mobility Group Box Family Member 2 | 2.521 | 6.56 X 10 ⁻¹² |

Table S1. RNA-seq data from 4 biological replicates. All genes included in this list have WT values > 1.5 RPKM. The full list of up-regulated genes is provided in the supplementary material. *Adjusted p-value.

| Top downregulated genes in radial glia | | | |
|--|---|-------------|--------------------------|
| Gene symbol | Gene name | Fold change | padj* |
| <i>Col12a1</i> | Collagen Type XII Alpha 1 Chain | 0.217 | 1.24 X 10 ⁻³⁹ |
| <i>Slc14a2</i> | Solute Carrier Family 14 Member 2 | 0.239 | 5.37 X 10 ⁻³⁵ |
| <i>Smoc1</i> | SPARC Related Modular Calcium Binding 1 | 0.270 | 9.76 X 10 ⁻²⁰ |
| <i>Palmd</i> | Palmdelphin | 0.296 | 6.13 X 10 ⁻²¹ |
| <i>Eva1c</i> | Eva-1 Homolog C | 0.301 | 1.07 X 10 ⁻²² |
| <i>Dscaml1</i> | Down Syndrome Cell Adhesion Molecule Like 1 | 0.327 | 1.35 X 10 ⁻¹⁵ |
| <i>Tox</i> | Thymocyte Selection Associated High Mobility Group Box | 0.330 | 1.64 X 10 ⁻¹⁹ |
| <i>Thsd4</i> | Thrombospondin Type 1 Domain Containing 4 | 0.332 | 2.14 X 10 ⁻²⁸ |
| <i>Mme</i> | Membrane Metalloendopeptidase | 0.334 | 8.13 X 10 ⁻²⁰ |
| <i>Vit</i> | Vitrin | 0.354 | 2.96 X 10 ⁻¹⁶ |
| <i>Ankfn1</i> | Ankyrin Repeat And Fibronectin Type III Domain Containing 1 | 0.359 | 2.00 X 10 ⁻¹⁰ |
| <i>Adamts18</i> | ADAM Metallopeptidase With Thrombospondin Type 1 Motif 18 | 0.368 | 9.76 X 10 ⁻²⁰ |
| <i>Meis1</i> | Meis Homeobox 1 | 0.383 | 3.18 X 10 ⁻¹¹ |
| <i>AF529169</i> | AF529169 predicted gene | 0.399 | 2.65 X 10 ⁻⁰⁸ |
| <i>Htra1</i> | HtrA Serine Peptidase 1 | 0.426 | 3.06 X 10 ⁻¹³ |
| <i>Dapp1</i> | Dual Adaptor Of Phosphotyrosine And 3-Phosphoinositides 1 | 0.430 | 2.00 X 10 ⁻¹³ |
| <i>1500015O10Rik</i> | RIKEN 1500015O10 predicted gene | 0.434 | 2.92 X 10 ⁻⁰⁷ |
| <i>Jag1</i> | Jagged 1 | 0.438 | 5.38 X 10 ⁻⁰⁹ |
| <i>Alk</i> | ALK Receptor Tyrosine Kinase | 0.453 | 6.74 X 10 ⁻⁰⁸ |
| <i>Tmem108</i> | Transmembrane Protein 108 | 0.453 | 3.70 X 10 ⁻⁰⁶ |

Table S2. RNA-seq data from 4 biological replicates. All genes included in this list have WT values > 1.5 RPKM. The full list of down-regulated genes is provided in the supplementary material. *Adjusted p-value.

| Top upregulated genes in intermediate progenitors | | | |
|---|--|-------------|--------------------------|
| Gene symbol | Gene name | Fold change | padj* |
| <i>Ptx3</i> | Pentraxin 3 | 7.174 | 4.56 X 10 ⁻⁷⁶ |
| <i>Fosl2</i> | FOS Like 2, AP-1 Transcription Factor Subunit | 3.935 | 4.61 X 10 ⁻³¹ |
| <i>Pdzrn3</i> | PDZ Domain Containing Ring Finger 3 | 3.862 | 2.82 X 10 ⁻⁸⁰ |
| <i>Rcan2</i> | Regulator Of Calcineurin 2 | 3.202 | 5.55 X 10 ⁻¹⁹ |
| <i>Thrb</i> | Thyroid Hormone Receptor Beta | 3.039 | 2.91 X 10 ⁻³² |
| <i>Gabra2</i> | Gamma-Aminobutyric Acid Type A Receptor Alpha2 Subunit | 2.751 | 1.99 X 10 ⁻¹⁸ |
| <i>Gm26911</i> | Predicted gene 26911 | 2.713 | 1.60 X 10 ⁻¹⁶ |
| <i>Acpl2</i> | Acid Phosphatase-Like Protein 2 | 2.625 | 4.44 X 10 ⁻²⁴ |
| <i>Slc35f1</i> | Solute Carrier Family 35 Member F1 | 2.392 | 1.22 X 10 ⁻³⁴ |
| <i>3110035E14Rik</i> | RIKEN 3110035E14Rik predicted gene | 2.265 | 2.68 X 10 ⁻¹³ |
| <i>Abcc8</i> | ATP Binding Cassette Subfamily C Member 8 | 2.112 | 2.63 X 10 ⁻⁰⁸ |
| <i>Jam2</i> | Junctional Adhesion Molecule 2 | 1.934 | 1.77 X 10 ⁻⁰⁷ |
| <i>Igsf11</i> | Immunoglobulin Superfamily Member 11 | 1.903 | 6.81 X 10 ⁻⁰⁶ |
| <i>Lmo3</i> | LIM Domain Only 3 | 1.902 | 4.30 X 10 ⁻⁰⁴ |
| <i>Gm16701</i> | Predicted gene 16701 | 1.893 | 1.26 X 10 ⁻⁰⁴ |
| <i>Sez6l</i> | Seizure Related 6 Homolog Like | 1.891 | 1.72 X 10 ⁻⁰⁹ |
| <i>Fam196a</i> | Family With Sequence Similarity 196 Member A | 1.872 | 2.23 X 10 ⁻⁰⁴ |
| <i>Itga6</i> | Integrin Subunit Alpha 6 | 1.867 | 2.52 X 10 ⁻¹² |
| <i>Chrna3</i> | Cholinergic Receptor Nicotinic Alpha 3 Subunit | 1.851 | 4.64 X 10 ⁻⁰⁵ |
| <i>Sypl2</i> | Synaptophysin Like 2 | 1.847 | 5.14 X 10 ⁻⁰⁸ |

Table S3. RNA-seq data from 4 biological replicates. All genes included in this list have WT values > 1.5 RPKM. The full list of up-regulated genes is provided in the supplementary material. *Adjusted p-value.

| Top downregulated genes in intermediate progenitors | | | |
|---|---|-------------|--------------------------|
| Gene symbol | Gene name | Fold change | padj* |
| <i>Smoc1</i> | SPARC Related Modular Calcium Binding 1 | 0.283 | 4.69 X 10 ⁻¹⁶ |
| <i>Dscaml1</i> | Down Syndrome Cell Adhesion Molecule Like 1 | 0.305 | 4.46 X 10 ⁻³⁵ |
| <i>Pbx3</i> | PBX Homeobox 3 | 0.307 | 4.97 X 10 ⁻¹⁹ |
| <i>Tgfa</i> | Transforming Growth Factor Alpha | 0.390 | 9.66 X 10 ⁻¹⁰ |
| <i>Arfgef 3</i> | Arfgef Family Member 3 | 0.408 | 9.94 X 10 ⁻²² |
| <i>Akap12</i> | A-Kinase Anchoring Protein 12 | 0.433 | 1.19 X 10 ⁻²¹ |
| <i>Pou3f1</i> | POU Class 3 Homeobox 1 | 0.434 | 4.21 X 10 ⁻¹⁰ |
| <i>Gm13404</i> | Predicted gene 13404 | 0.477 | 2.50 X 10 ⁻⁰⁷ |
| <i>Dusp26</i> | Dual Specificity Phosphatase 26 | 0.480 | 1.27 X 10 ⁻⁰⁵ |
| <i>Ube2ql1</i> | Ubiquitin Conjugating Enzyme E2 Q Family Like 1 | 0.490 | 2.07 X 10 ⁻¹⁰ |
| <i>Nrarp</i> | NOTCH Regulated Ankyrin Repeat Protein | 0.504 | 3.55 X 10 ⁻⁰⁹ |
| <i>Plch2</i> | Phospholipase C Eta 2 | 0.504 | 1.06 X 10 ⁻¹² |
| <i>Lama5</i> | Laminin Subunit Alpha 5 | 0.507 | 1.90 X 10 ⁻⁰⁸ |
| <i>Trim9</i> | Tripartite Motif Containing 9 | 0.519 | 3.20 X 10 ⁻⁰⁷ |
| <i>Gm12968</i> | Predicted gene 12968 | 0.524 | 3.73 X 10 ⁻⁰⁴ |
| <i>Kif26b</i> | Kinesin Family Member 26B | 0.534 | 3.00 X 10 ⁻¹¹ |
| <i>Loxl1</i> | Lysyl Oxidase Like 1 | 0.535 | 2.30 X 10 ⁻⁰⁵ |
| <i>Sorl1</i> | Sortilin Related Receptor 1 | 0.536 | 5.69 X 10 ⁻⁰⁸ |
| <i>C79798</i> | Expressed sequence C79798 | 0.537 | 1.47 X 10 ⁻⁰³ |
| <i>Rasa3</i> | RAS P21 Protein Activator 3 | 0.542 | 6.58 X 10 ⁻⁰⁷ |

Table S4. RNA-seq data from 4 biological replicates. All genes included in this list have WT values > 1.5 RPKM. The full list of down-regulated genes is provided in the supplementary material. *Adjusted p-value.