**Figure 8 – source data 1** - List of genes downregulated in supporting cells in response to transcription factor reprogramming at P15

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene** | **Structural/Functional role** | **Expression** | **Reference** |
| *Ceacam16* | Enables polymerization of tectorins to form the tectorial membrane | SC (Deiters’ cells), Interdental cells | [(Kammerer et al., 2012)](https://paperpile.com/c/06Otv1/0f9pn) |
| *Ttll3* | Microtubule based process, cytoskeleton | SC (Deiters’ cells) | [(Huang et al., 2011; Ranum et al., 2019)](https://paperpile.com/c/06Otv1/RVlb+mjSe) |
| *Rorb* | Transcription factor required for terminal SC differentiation | SC (Deiters’ and pillar cells) | [(Li et al., 2020b)](https://paperpile.com/c/06Otv1/JBBB) |
| *Scd1* | Lipogenic enzyme essential for phospholipid synthesis | SC (Deiters’ cells) | [(Ranum et al., 2019)](https://paperpile.com/c/06Otv1/RVlb) |
| *Rassf6* | Involved in cell death and apoptosis | SC (Pillar cells) | [(Maass et al., 2016)](https://paperpile.com/c/06Otv1/Zo7Y) |
| *Ces1d* | Carboxylesterase 1D. Enables triglyceride lipase activity | SC (Deiters’ cells) | [(Ranum et al., 2019)](https://paperpile.com/c/06Otv1/RVlb) |
| *Fibin* | Secreted protein for mesoderm signaling during development | GER, SC (inner phalangeal cell marker) | [(Kolla et al., 2020; Wakahara et al., 2007)](https://paperpile.com/c/06Otv1/VRNY+WCox) |
| *Scnn1b* | Ion channel, membrane transporter | SC(Claudius cells), Reissner’s membrane | [(Li et al., 2013)](https://paperpile.com/c/06Otv1/tNAc) |
| *Kcnj16* | K+ channel involved in endocochlear potential maintenance | SC (Deiters cells) | [(Liu et al., 2018)](https://paperpile.com/c/06Otv1/xw2Y) |
| *Otol1* | Provides a scaffold for otoconia, anchoring protein | SC (Pillar cells) | [(Liu et al., 2018; Waldhaus et al., 2015)](https://paperpile.com/c/06Otv1/8COO+xw2Y) |
| *Plcd4* | Non-receptor based G-protein activator enzyme | SC (Pillar & Deiters cells) | [(Liu et al., 2018)](https://paperpile.com/c/06Otv1/xw2Y) |
| *Hhatl* | Codes for Hedgehog acyl transferase | SC (Pillar & Deiters cells) | [(Liu et al., 2018)](https://paperpile.com/c/06Otv1/xw2Y) |
| *Washc2* | Part of WASH complex, nucleation promoting factor on endosomes | SC (minimal expression in Pillar & Deiters cells) | [(Liu et al., 2018)](https://paperpile.com/c/06Otv1/xw2Y) |
| *Hbb-bs* | Hemoglobin beta chain, blood cell marker | Cochlear vasculature | [(Li et al., 2020a)](https://paperpile.com/c/06Otv1/TaXQ) |

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