

Table S1. RNA expression levels in P0-7DIV explants of wild-type and *Sall3*^{-/-} retina

Probe ID	Mean (KO)	Mean (WT)	KO vs. WT (ratio)	KO vs. WT (P-value)	Gene symbol	Gene Entrez ID	Cellular expression pattern	Reference
6952362	5.7	8.39	0.15	0.002989	<i>Opn1sw</i>	12057	Cones	(Akimoto et al., 2006)
6765271	5.17	6.65	0.36	0.015621	<i>Rd3</i>	74023	Rods+cones	(Corbo et al., 2007)
6869545	6.67	8	0.4	0.000397	<i>Pde6c</i>	110855	Cones	(Akimoto et al., 2006)
6790340	4.43	5.5	0.48	0.000182	<i>Lhx1</i>	16869	HC	(Liu et al., 2000)
7012840	4.54	5.33	0.58	0.000794	<i>Arr3</i>	170735	Cones	(Corbo et al., 2007)
6855754	3.85	4.6	0.59	0.000719	<i>Guca1a</i>	14913	Rods+cones	(Corbo et al., 2007)
6765270	7.68	8.41	0.6	0.468527	<i>Rd3</i>	74023	Rods+cones	(Corbo et al., 2007)
6913195	4.53	5.18	0.64	0.000015	<i>Tmod1</i>	21916	HC	(Yao and Sung, 2009)
6762660	7.72	8.31	0.66	0.152166	<i>Crb1</i>	170788	Rods+cones	(Corbo et al., 2007)
6900191	3.96	4.55	0.66	0.000259	<i>Ppm1j</i>	71887	Cones	(Corbo et al., 2007)
6907864	4.45	5.05	0.66	0.005208	<i>Fam19a3</i>	329731	Cones	(Corbo et al., 2007)
6796728	4.26	4.84	0.67	0.000685	<i>Esrrb</i>	26380	HC	(Blackshaw et al., 2004)
6825573	8.28	8.86	0.67	0.007058	<i>Nefm</i>	18040	HC	(Chien and Liem, 1995)
6946119	8.19	8.76	0.67	0.05002	<i>Npy</i>	109648	HC	(Blackshaw et al., 2004)
6819974	7.58	8.16	0.67	0.077627	<i>Nefl</i>	18039	HC	(Chien and Liem, 1995)
6843216	4.98	5.54	0.68	0.04755	<i>Kcne2</i>	246133	Cones	(Corbo et al., 2007)
6929517	4.64	5.14	0.7	0.004863	<i>En2</i>	13799	Cones	(Akimoto et al., 2006)
6771063	5.19	5.65	0.73	0.394033	<i>Dyrk2</i>	69181	Rods+cones	(Blackshaw et al., 2004)
6870622	5.09	5.54	0.73	0.072529	<i>Adrb1</i>	11554	Cones	(Akimoto et al., 2006)
6777421	7.05	7.46	0.75	0.072522	<i>Dyrk2</i>	69181	Rods+cones	(Blackshaw et al., 2004)
6832300	3.83	4.23	0.76	0.025045	<i>Parvb</i>	170736	Cones	(Corbo et al., 2007)
7011987	4.53	4.91	0.77	0.111638	<i>Opn1mw</i>	14539	Cones	(Akimoto et al., 2006)
6929702	4.1	4.45	0.79	0.029664	<i>Gckr</i>	231103	Rods+cones	(Corbo et al., 2007)
6748695	3.8	4.13	0.8	0.008674	<i>Cnga3</i>	12790	Cones	(Corbo et al., 2007)
6783785	5.66	5.96	0.81	0.018159	<i>Gngt2</i>	14710	Cones	(Corbo et al., 2007)
6866962	3.91	4.19	0.82	0.003443	<i>Sall3</i>	20689	HC+cones	This study
6945004	5.83	6.11	0.82	0.073907	<i>Ccdc136</i>	232664	Cones	(Corbo et al., 2007)
6867859	6.62	6.9	0.82	0.312532	<i>Pygm</i>	19309	Cones	(Akimoto et al., 2006)
6950515	4.03	4.28	0.84	0.001836	<i>Pde6h</i>	78600	Cones	(Akimoto et al., 2006)
6790852	3.61	3.85	0.84	0.365461	<i>Car10</i>	72605	BC	(Kim et al., 2008)
6792614	3.78	4.01	0.85	0.106863	<i>Socs3</i>	12702	Cones	(Akimoto et al., 2006)
6907089	4.38	4.62	0.85	0.414147	<i>2310007A19Rik</i>	66353	Cones	(Corbo et al., 2007)
6873149	6.21	6.43	0.86	0.012953	<i>Slit1</i>	20562	HC	(Blackshaw et al., 2004)
6910137	4.29	4.5	0.87	0.038774	<i>Ctca3</i>	23844	Cones	(Corbo et al., 2007)
6757035	4.44	4.65	0.87	0.215846	<i>Eya1</i>	14048	Cones	(Corbo et al., 2007)
7013389	5.77	5.98	0.87	0.400305	<i>Klhl4</i>	237010	Cones	(Corbo et al., 2007)
6783321	7.17	7.35	0.88	0.107106	<i>Sep4</i>	18952	HC	(Blackshaw et al., 2004)
6911914	7.4	7.58	0.88	0.164081	<i>Calb1</i>	12307	HC	(Pochet et al., 1991)
6946138	5.83	6	0.88	0.00188	<i>Mpp6</i>	56524	Cones	(Corbo et al., 2007)
6993849	2.93	3.11	0.88	0.041465	<i>Rgl3</i>	71746	Cones	(Corbo et al., 2007)
6900360	5.39	5.58	0.88	0.232979	<i>Gnat2</i>	14686	Cones	(Akimoto et al., 2006)
6818944	5.62	5.8	0.88	0.245375	<i>Pnp1</i>	18950	Cones	(Corbo et al., 2007)
6836805	4.42	4.59	0.89	0.091229	<i>Plec1</i>	18810	Cones	(Corbo et al., 2007)
6769137	5.63	5.79	0.89	0.214264	<i>Gzmm</i>	16904	Cones	(Corbo et al., 2007)
6765166	6.9	7.04	0.91	0.183673	<i>Prox1</i>	19130	HC	(Dyer et al., 2003)
6770888	4.04	4.17	0.92	0.179258	<i>A930009A15Rik</i>	77798	Cones	(Corbo et al., 2007)
6900014	4.63	4.74	0.92	0.215805	<i>Igfb3</i>	78908	Cones	(Corbo et al., 2007)
6911727	4.61	4.73	0.92	0.289074	<i>Gem</i>	14579	Cones	(Corbo et al., 2007)
6972292	4.03	4.14	0.93	0.052191	<i>6330512M04Rik</i>	320802	Cones	(Corbo et al., 2007)
6945308	3.61	3.72	0.93	0.055025	<i>Akr1b8</i>	14187	Cones	(Corbo et al., 2007)
6785684	6.16	6.24	0.94	0.824328	<i>Nefh</i>	380684	HC	(Chien and Liem, 1995)
6866653	4.06	4.15	0.94	0.120924	<i>Mapk4</i>	225724	Cones	(Corbo et al., 2007)
6875933	7.93	8.02	0.94	0.153998	<i>Olfm1</i>	56177	Cones	(Akimoto et al., 2006)
6908092	6.73	6.83	0.94	0.2243	<i>Ampd2</i>	109674	Cones	(Corbo et al., 2007)
6872980	4.09	4.18	0.94	0.364374	<i>Rbp4</i>	19662	Cones	(Corbo et al., 2007)
6957137	9.95	10.04	0.94	0.478346	<i>Gnb3</i>	14695	Cones	(Akimoto et al., 2006)
6963197	5.3	5.39	0.94	0.817855	<i>Cckbr</i>	12426	Cones	(Corbo et al., 2007)
6762236	7.11	7.2	0.94	0.579985	<i>Nfasc</i>	269116	BC	(Kim et al., 2008)
6787285	4.02	4.09	0.95	0.053874	<i>Wwc1</i>	211652	Cones	(Corbo et al., 2007)
6824556	3.47	3.54	0.95	0.31346	<i>A930018M24Rik</i>	328399	Cones	(Corbo et al., 2007)
6884101	5.69	5.74	0.96	0.447526	<i>Cdh4</i>	12561	HC	(Blackshaw et al., 2004)
6994157	5.5	5.56	0.96	0.331283	<i>Jam3</i>	83964	Cones	(Corbo et al., 2007)
6917970	7.04	7.09	0.96	0.365639	<i>Ece1</i>	230857	Cones	(Akimoto et al., 2006)
6771587	3.71	3.78	0.96	0.486735	<i>Rdh9</i>	103142	Cones	(Corbo et al., 2007)
6869543	3.64	3.69	0.96	0.509155	<i>Gpr120</i>	107221	Cones	(Corbo et al., 2007)
6776049	4.39	4.44	0.96	0.553455	<i>Elk3</i>	13713	Cones	(Corbo et al., 2007)
6764182	4.14	4.2	0.96	0.764277	<i>Dusp23</i>	68440	Cones	(Corbo et al., 2007)

6755253	3.92	3.97	0.97	0.037297	<i>Crp</i>	12944	Cones	(Corbo et al., 2007)
6932883	3.68	3.72	0.97	0.482066	<i>Agpat9</i>	231510	Cones	(Corbo et al., 2007)
6873133	4.28	4.33	0.97	0.563301	<i>Pik3ap1</i>	83490	Cones	(Corbo et al., 2007)
6751349	7.67	7.72	0.97	0.669914	<i>Dgkd</i>	227333	Cones	(Corbo et al., 2007)
6801677	5.24	5.28	0.97	0.718686	<i>Six6os1</i>	75801	Cones	(Akimoto et al., 2006)
6990418	6.79	6.83	0.97	0.730128	<i>Prtg</i>	235472	Cones	(Corbo et al., 2007)
6776128	4.58	4.62	0.97	0.81374	<i>Gm4792</i>	215472	Cones	(Corbo et al., 2007)
6763231	6.56	6.61	0.97	0.812168	<i>Lhx4</i>	16872	BC	(Blackshaw et al., 2004)
6792310	6.22	6.24	0.98	0.881445	<i>Cdc42ep4</i>	56699	HC	(Blackshaw et al., 2004)
6792031	5.63	5.66	0.98	0.710605	<i>Prkca</i>	18750	BC	(Kim et al., 2008)
6794766	7.01	7.02	0.99	0.81357	<i>Nrcam</i>	319504	Cones	(Akimoto et al., 2006)
6874212	7.26	7.27	0.99	0.859014	<i>Eif3a</i>	13669	Cones	(Corbo et al., 2007)
7011286	9.51	9.52	0.99	0.947053	<i>Cx1c</i>	72865	Cones	(Corbo et al., 2007)
6885462	3.92	3.94	0.99	0.720566	<i>Lhx3</i>	16871	BC	(Blackshaw et al., 2004)
6796612	11.12	11.13	0.99	0.92661	<i>Vsx2</i>	12677	BC	(Kim et al., 2008)
6928742	4.56	4.57	1	0.911093	<i>Abcb4</i>	18670	Cones	(Akimoto et al., 2006)
6754227	5.7	5.69	1	0.947651	<i>Acbd6</i>	72482	Cones	(Corbo et al., 2007)
6967844	3.51	3.51	1	0.96856	<i>4930554H23Rik</i>	77631	Cones	(Corbo et al., 2007)
6967054	3.53	3.54	1	0.969283	<i>Tph1</i>	21990	Cones	(Akimoto et al., 2006)
6825441	6.12	6.12	1	0.979772	<i>Gulo</i>	268756	Cones	(Akimoto et al., 2006)
6775160	4.46	4.45	1	0.980542	<i>Mmp11</i>	17385	Cones	(Corbo et al., 2007)
6870614	4.33	4.33	1	0.982495	<i>Casp7</i>	12369	Cones	(Akimoto et al., 2006)
6962873	5.63	5.63	1	0.987747	<i>Mtap6</i>	17760	Cones	(Corbo et al., 2007)
6769213	8.97	8.96	1	0.970371	<i>Plk5</i>	216166	BC	(Kim et al., 2008)
6849386	5.33	5.32	1.01	0.953737	<i>Gng13</i>	64337	BC	(Kim et al., 2008)
6909648	4.98	4.96	1.01	0.744142	<i>Nfkb1</i>	18033	Cones	(Akimoto et al., 2006)
6912931	3.88	3.86	1.01	0.776764	<i>Dnaic1</i>	68922	Cones	(Corbo et al., 2007)
6760251	7.95	7.94	1.01	0.866505	<i>Sphkap</i>	77629	Cones	(Corbo et al., 2007)
6916322	5.19	5.17	1.01	0.902808	<i>Bend5</i>	67621	Cones	(Corbo et al., 2007)
6850863	5.74	5.73	1.01	0.924323	<i>Lfn2</i>	70530	Cones	(Corbo et al., 2007)
6963011	5.58	5.55	1.02	0.180998	<i>Clpb</i>	20480	Cones	(Corbo et al., 2007)
6957304	5.86	5.83	1.02	0.636381	<i>Prmt8</i>	381813	Cones	(Corbo et al., 2007)
6769845	5.68	5.66	1.02	0.730027	<i>Pctk2</i>	237459	Cones	(Corbo et al., 2007)
6961099	6.02	6	1.02	0.878354	<i>Trpm1</i>	17364	BC	(Kim et al., 2008)
6813327	6.67	6.62	1.03	0.799976	<i>Cltb</i>	74325	Cones	(Corbo et al., 2007)
6925904	7.38	7.34	1.03	0.823418	<i>Trnp1</i>	69539	BC	(Kim et al., 2008)
6996956	7.99	7.93	1.04	0.242948	<i>Scg3</i>	20255	Cones	(Akimoto et al., 2006)
6917057	5.27	5.21	1.04	0.285949	<i>Epha10</i>	230735	Cones	(Corbo et al., 2007)
6928457	5.3	5.24	1.04	0.322135	<i>Cdk6</i>	12571	Cones	(Corbo et al., 2007)
6812642	7.96	7.91	1.04	0.555195	<i>Elovl2</i>	54326	Cones	(Akimoto et al., 2006)
6948797	5.13	5.08	1.04	0.375687	<i>Cntn4</i>	269784	BC	(Kim et al., 2008)
6919497	6.22	6.16	1.04	0.778623	<i>Car8</i>	12319	BC	(Kim et al., 2008)
6789051	5.32	5.25	1.05	0.281977	<i>Myocd</i>	214384	Cones	(Corbo et al., 2007)
6953505	5.3	5.22	1.05	0.563917	<i>Dfna5</i>	54722	Cones	(Corbo et al., 2007)
6864454	6.58	6.51	1.05	0.683321	<i>Osgep</i>	66246	Cones	(Akimoto et al., 2006)
6999646	4.42	4.34	1.06	0.599236	<i>Tmem158</i>	72309	Cones	(Corbo et al., 2007)
6780816	7.75	7.67	1.06	0.68769	<i>Grm6</i>	108072	BC	(Kim et al., 2008)
6973546	9.13	9.02	1.07	0.683414	<i>Cabp5</i>	29865	Cones+BC	(Kim et al., 2008)
6926696	3.27	3.17	1.07	0.06724	<i>Tmem206</i>	66950	Cones	(Corbo et al., 2007)
6782703	5.05	4.93	1.08	0.657054	<i>Sebox</i>	18292	BC	(Kim et al., 2008)
6791064	2.96	2.83	1.09	0.059894	<i>Abi3</i>	66610	Cones	(Corbo et al., 2007)
6980075	6.72	6.59	1.09	0.226969	<i>Pcp2</i>	18545	BC	(Kim et al., 2008)
6894218	5.13	5	1.09	0.577314	<i>Bhlhe23</i>	140489	BC	(Kim et al., 2008)
6785123	5.42	5.28	1.1	0.296297	<i>Otop3</i>	69602	Cones	(Corbo et al., 2007)
6878954	6.18	6.05	1.1	0.496871	<i>Crxos1</i>	546024	Cones	(Corbo et al., 2007)
6754900	6.21	6.07	1.1	0.520298	<i>Rxrg</i>	20183	Cones	(Akimoto et al., 2006)
6781889	10.41	10.26	1.11	0.065391	<i>Rcvrn</i>	19674	Rods+cones+BC	(Kim et al., 2008)
6912018	6.24	6.09	1.11	0.256294	<i>Cngb3</i>	30952	Cones	(Akimoto et al., 2006)
6936104	7.44	7.23	1.16	0.192117	<i>Crot</i>	74114	Cones	(Corbo et al., 2007)
6768075	8.26	8.03	1.17	0.490327	<i>Fabp7</i>	12140	Cones	(Corbo et al., 2007)
6811716	8.01	7.75	1.2	0.132629	<i>Scgn</i>	214189	BC	(Kim et al., 2008)
6958812	5.71	5.37	1.26	0.002912	<i>Crxos1</i>	546024	Cones	(Corbo et al., 2007)
6768076	6.1	5.77	1.26	0.39894	<i>Smpd13a</i>	57319	Cones	(Corbo et al., 2007)
7006379	4.72	4.33	1.31	0.234274	<i>9330159M07Rik</i>	319673	Cones	(Corbo et al., 2007)
6901573	6.85	6.24	1.53	0.092015	<i>Tacr3</i>	21338	BC	(Kim et al., 2008)

Probe identities for the Affymetrix Mouse Exon Array 1.0 are listed. Mean log₂ signal intensity levels are shown for triplicate replicate experiments, with *P*-values shown for differential gene expression between the two samples (calculated by one-way ANOVA). Known cone photoreceptor, horizontal and bipolar cell-specific transcripts are displayed.

Additional references.

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