

Table 2. Top 25 Differentially Expressed Genes Control vs. Immobilization

Cluster 0 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	2.67E-180	-0.33824	1	1	4.77E-176
mt-Atp6	4.53E-116	-0.35158	1	1	8.10E-112
Rps29	4.28E-60	0.288046	0.999	0.999	7.65E-56
Rpl41	2.28E-56	0.308871	0.998	0.985	4.08E-52
Rps21	2.29E-51	0.288051	0.998	0.991	4.10E-47
Rpl37a	9.91E-46	0.274789	0.993	0.992	1.77E-41
Rpl35a	6.14E-44	0.283791	0.996	0.977	1.10E-39
Rpl38	1.21E-43	0.293589	0.969	0.938	2.17E-39
Rps27	4.59E-41	0.273076	0.994	0.98	8.21E-37
Rpl37	6.03E-34	0.253834	0.979	0.961	1.08E-29
Uba52	4.31E-26	0.267591	0.758	0.593	7.70E-22
Rps28	8.69E-24	0.279384	0.774	0.662	1.55E-19
Ctla2a	6.74E-23	-0.31366	0.71	0.862	1.20E-18
Hspa1b	4.05E-10	0.334648	0.54	0.446	7.24E-06

Cluster 1 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	4.58E-198	-0.41599	1	1	8.19E-194
mt-Atp6	1.02E-137	-0.33412	1	1	1.81E-133
Rpl41	1.36E-26	0.314234	0.968	0.89	2.44E-22
Rpl35a	2.25E-22	0.274909	0.941	0.78	4.02E-18
Rps29	5.39E-22	0.277177	0.988	0.93	9.63E-18
Rps21	1.54E-19	0.263742	0.974	0.907	2.75E-15
Rpl37a	4.52E-18	0.253526	0.968	0.859	8.08E-14
Rpl30	2.93E-17	0.255666	0.884	0.714	5.23E-13
Hspa1b	9.49E-13	0.26556	0.29	0.141	1.70E-08
Gm42418	2.88E-07	0.299853	0.977	0.957	0.005141

## Cluster 2 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	1.27E-147	-0.37342	1	1	2.27E-143
mt-Nd2	5.11E-102	-0.25118	1	1	9.12E-98
mt-Atp6	2.94E-79	-0.35914	1	1	5.26E-75
Rpl41	1.60E-40	0.326579	0.993	0.981	2.85E-36
Rpl38	1.80E-22	0.272304	0.95	0.899	3.22E-18
Hspa1b	2.88E-22	0.392887	0.949	0.92	5.14E-18
Zfp36	8.24E-15	0.315286	0.875	0.827	1.47E-10
Ctla2a	1.30E-13	-0.30463	0.632	0.784	2.32E-09
Egr1	2.18E-13	0.436359	0.79	0.674	3.90E-09
Klf4	6.63E-12	0.314913	0.841	0.784	1.19E-07
Tmsb10	2.83E-11	0.253281	0.729	0.62	5.05E-07
Hbb-bs	4.27E-06	0.314477	0.372	0.261	0.076282
Rgs5	1.36E-05	0.337627	0.448	0.357	0.243907

## Cluster 3 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	6.25E-62	-0.3377	1	1	1.12E-57
mt-Atp6	3.16E-46	-0.3751	1	1	5.65E-42
Rpl41	5.15E-29	0.356059	0.991	0.989	9.20E-25
Rps29	5.34E-24	0.297198	0.998	0.994	9.55E-20
Rpl37a	4.95E-20	0.327482	0.991	0.966	8.84E-16
Rpl38	1.77E-19	0.328873	0.986	0.923	3.17E-15
Rpl35a	1.47E-18	0.306672	0.993	0.98	2.63E-14
Rpl39	1.00E-17	0.325025	0.942	0.898	1.79E-13
Rps27	8.68E-17	0.308965	1	0.983	1.55E-12
Rpl37	8.54E-16	0.294588	0.988	0.96	1.53E-11
Rps21	4.00E-15	0.299998	0.991	0.991	7.14E-11
Rps28	2.19E-14	0.335862	0.818	0.682	3.92E-10
Uba52	4.71E-14	0.310966	0.765	0.599	8.41E-10
Rpl30	1.69E-13	0.281454	0.974	0.943	3.02E-09
Rgs5	4.68E-09	0.453147	0.564	0.364	8.36E-05
Hspa1b	4.52E-06	0.367903	0.674	0.56	0.080825
Hbb-bs	7.41E-05	0.518591	0.333	0.213	1
Ctla2a	7.85E-05	-0.27955	0.387	0.5	1
Vim	0.001083	-0.27744	0.72	0.784	1

## Cluster 4 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	1.26E-52	-0.39107	1	1	2.24E-48
mt-Atp6	2.12E-32	-0.34872	1	1	3.79E-28
Rpl41	9.98E-18	0.42581	0.993	0.925	1.78E-13
Rpl38	2.86E-16	0.394327	0.97	0.853	5.11E-12
Rpl37a	3.13E-15	0.376972	0.993	0.939	5.59E-11
Rpl35	5.06E-14	0.367524	0.911	0.706	9.05E-10
Rps21	8.23E-13	0.350391	0.98	0.896	1.47E-08
Rps29	3.84E-12	0.319109	0.997	0.971	6.87E-08
Rpl39	1.06E-11	0.357006	0.931	0.817	1.90E-07
Rps8	3.27E-11	0.320534	0.98	0.928	5.85E-07
Ttn	1.73E-10	0.449	0.715	0.538	3.09E-06
Rplp2	9.01E-10	0.293566	0.934	0.846	1.61E-05
Rps26	2.97E-09	0.32233	0.849	0.742	5.30E-05
Rpl37	3.16E-09	0.268188	0.974	0.871	5.64E-05
Rps10	2.00E-07	0.264502	0.741	0.541	0.003576
Phlda3	2.20E-07	-0.28521	0.354	0.552	0.003929
Atp5e	1.28E-06	0.292085	0.944	0.921	0.02285
Myh4	2.94E-06	0.435759	0.8	0.717	0.052539
Cox7c	3.08E-06	0.265974	0.915	0.885	0.055098
Ndufb1-ps	3.48E-06	0.277716	0.81	0.767	0.06212
Fhl1	4.01E-06	-0.41187	0.148	0.301	0.07159
Ldha	2.15E-05	-0.25526	0.777	0.878	0.383705
Tpm2	4.16E-05	-0.25319	0.921	0.968	0.744201
Usmg5	5.59E-05	0.252448	0.77	0.695	0.999709
Eno3	5.60E-05	-0.26928	0.931	0.946	1

## Cluster 5 - Muscle Stem Cell

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	5.74E-56	-0.40406	1	1	1.03E-51
mt-Nd2	7.81E-45	-0.25695	1	1	1.40E-40
mt-Nd4	2.15E-42	-0.25266	1	1	3.84E-38
mt-Atp6	2.46E-38	-0.36468	1	1	4.40E-34
Rpl41	1.16E-22	0.349899	1	0.991	2.07E-18
Rps28	8.09E-13	0.294412	0.984	0.982	1.45E-08
Nfkbia	7.99E-09	0.355531	0.681	0.443	0.000143
Stat3	7.36E-07	0.304996	0.634	0.439	0.013149
Fabp4	1.68E-06	0.729726	0.393	0.195	0.030081
Hbb-bs	1.70E-06	1.761678	0.444	0.24	0.030414
Kdm6b	1.93E-06	0.365162	0.541	0.376	0.034541
Nppc	2.50E-06	-0.5886	0.339	0.516	0.044771
Ahnak	4.65E-06	0.266027	0.786	0.661	0.083145
Mt2	5.21E-06	0.460912	0.813	0.738	0.093107
Igfbp5	1.29E-05	0.51685	0.732	0.593	0.230176
Fosb	3.29E-05	0.431115	0.79	0.774	0.588517
H2-K1	5.40E-05	0.261292	0.537	0.371	0.964941
Hspa1a	8.95E-05	-0.35192	0.782	0.819	1
Nfkbiz	9.43E-05	0.424172	0.572	0.48	1
Fos	0.00018	-0.31187	0.852	0.846	1
Ifitm3	0.000233	0.279409	0.743	0.629	1
Erfe	0.000806	-0.26445	0.198	0.326	1
Ier2	0.002137	-0.45894	0.603	0.661	1
Ubc	0.002625	-0.25762	0.86	0.869	1
Nop58	0.002704	0.283435	0.475	0.371	1

## Cluster 6 - Pericyte

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	9.00E-51	-0.46689	1	1	1.61E-46
mt-Atp6	3.37E-38	-0.39131	1	1	6.02E-34
Zfp36l1	6.05E-08	0.470419	0.706	0.535	0.001082
Malat1	3.18E-07	0.310437	1	1	0.005675
Rps29	4.46E-07	0.312093	0.946	0.809	0.007969
Tpm2	8.84E-07	-0.34005	0.62	0.803	0.015795
Acta2	2.27E-06	-0.43361	0.529	0.777	0.040644
Ndufa4l2	2.58E-06	-0.30913	0.896	0.968	0.046078
Rpl41	2.58E-06	0.290606	0.95	0.732	0.046128
Lgals1	4.74E-06	-0.37299	0.606	0.828	0.084806
Igfbp5	6.13E-06	0.587619	0.615	0.433	0.109508
Aldh2	9.34E-06	-0.30691	0.502	0.713	0.166884
Vtn	1.49E-05	-0.35111	0.941	0.975	0.265928
Junb	2.46E-05	0.278324	0.271	0.096	0.439614
Myl9	5.13E-05	-0.25366	0.837	0.949	0.917012
Hspa1b	0.000128	0.525666	0.389	0.217	1
Son	0.000136	0.251531	0.792	0.758	1
Klf9	0.001285	0.25776	0.724	0.669	1
Egr1	0.002179	0.315555	0.285	0.159	1
Hbb-bs	0.003919	-0.81363	0.398	0.261	1
Tagln	0.006297	-0.36187	0.294	0.414	1
Fos	0.011737	0.277444	0.226	0.127	1
Jund	0.012308	0.288905	0.615	0.586	1
Hspa1a	0.026114	0.288118	0.421	0.325	1
Gm8696	0.027657	0.252248	0.163	0.089	1

## Cluster 7 - FAP

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	1.19E-16	-0.31209	1	1	2.13E-12
mt-Atp6	5.00E-11	-0.27736	1	1	8.94E-07
Myoc	2.93E-08	-0.7068	0.695	0.818	0.000524
Igfbp6	1.16E-07	-0.44709	0.924	0.95	0.002079
Tpt1	1.32E-06	-0.26455	0.99	0.989	0.023574
Cd34	1.81E-06	-0.30204	0.853	0.901	0.032292
Anxa2	2.43E-06	-0.29727	0.619	0.79	0.043386
Ecm1	3.47E-06	-0.42291	0.685	0.823	0.062034
Fbn1	6.57E-06	-0.43881	0.756	0.862	0.11735
Islr	1.56E-05	-0.26193	0.67	0.807	0.27903
Svep1	4.76E-05	0.284927	0.66	0.53	0.850868
Mfap5	6.41E-05	-0.42461	0.802	0.878	1
Ugdh	6.54E-05	-0.28626	0.294	0.47	1
Cxcl12	7.02E-05	0.31112	0.518	0.343	1
Tnxb	8.49E-05	-0.31606	0.878	0.917	1
mt-Atp8	8.55E-05	0.281953	0.888	0.779	1
Uba52	0.000105	0.257891	0.558	0.403	1
Bgn	0.000107	-0.43936	0.594	0.702	1
Pcolce2	0.000125	-0.34547	0.467	0.624	1
Rpl41	0.000149	0.253145	0.97	0.967	1
Cdkn1c	0.000153	0.301564	0.396	0.227	1
Nbl1	0.000161	-0.32002	0.452	0.619	1
Fst	0.000236	0.285102	0.482	0.32	1
Lpl	0.000329	0.397546	0.792	0.713	1
Col14a1	0.000401	-0.35173	0.401	0.519	1

## Cluster 8 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	1.32E-39	-0.3833	1	1	2.37E-35
mt-Atp6	1.63E-24	-0.33556	1	1	2.92E-20
Rpl38	4.85E-09	0.405122	0.891	0.724	8.67E-05
Rpl37a	5.13E-09	0.3643	0.984	0.901	9.17E-05
Rpl41	6.69E-08	0.305752	0.989	0.934	0.001195
Rpl37	9.65E-06	0.268879	0.935	0.822	0.172556
Igfbp3	1.00E-05	-0.2765	0.103	0.289	0.179298
Elk3	4.89E-05	0.272518	0.582	0.395	0.874185
Tagln2	5.02E-05	-0.25286	0.353	0.579	0.896988
Rpl39	9.86E-05	0.253692	0.837	0.691	1
Tcf4	0.000185	0.255576	0.957	0.947	1
Rps24	0.000188	0.258776	0.984	0.941	1
Zbtb20	0.000245	0.281329	0.864	0.776	1
Taok1	0.000281	0.266881	0.418	0.257	1
Macf1	0.000511	0.287768	0.576	0.454	1
Hbb-bs	0.000588	0.358408	0.397	0.237	1
Rsad2	0.001097	0.288035	0.761	0.658	1
Gm42418	0.003325	0.393057	0.989	0.954	1
Hspa1b	0.00801	0.469353	0.408	0.296	1
Egr1	0.012766	0.415081	0.261	0.158	1
Junb	0.027079	0.251492	0.429	0.329	1

## Cluster 9 - Smooth Muscle

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Atp6	3.02E-21	-0.35597	1	1	5.40E-17
mt-Rnr2	1.46E-19	-0.34046	1	1	2.61E-15
mt-Nd2	1.86E-18	-0.25827	1	1	3.32E-14
Rpl41	2.44E-14	0.369852	1	0.963	4.36E-10
Uba52	5.94E-12	0.407288	0.774	0.415	1.06E-07
Rpl37a	1.36E-11	0.368286	0.978	0.963	2.43E-07
Rpl38	5.81E-11	0.377856	0.964	0.919	1.04E-06
Rpl37	4.60E-10	0.347734	0.978	0.941	8.23E-06
Rps21	1.78E-08	0.342492	0.993	0.978	0.000319
Rps29	2.12E-08	0.333915	1	0.941	0.000378
Rpl27a	1.29E-07	0.296471	0.934	0.8	0.002301
Rpl30	2.97E-07	0.322796	0.949	0.904	0.005305
Igfbp5	8.14E-07	0.411546	0.971	0.97	0.014553
Rpl36	9.53E-07	0.271274	0.949	0.948	0.017027
Rps26	1.70E-06	0.259598	0.883	0.696	0.030413
Rpl35a	1.86E-06	0.304725	0.971	0.904	0.033168
Rpl39	3.39E-06	0.280008	0.985	0.956	0.060651
mt-Co2	8.81E-06	-0.27915	0.985	1	0.157396
Jund	2.00E-05	0.428786	0.876	0.726	0.357532
Rplp2	2.82E-05	0.25123	0.942	0.956	0.504784
Zfp36	0.000106	0.508096	0.504	0.311	1
Csrp1	0.000115	-0.28731	0.861	0.948	1
Egr1	0.000428	0.574194	0.591	0.452	1
Jun	0.000757	0.483085	0.628	0.452	1
Txndc11	0.000964	0.314773	0.299	0.141	1

## Cluster 10 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	5.20E-20	-0.48748	1	1	9.30E-16
mt-Cytb	2.68E-18	-0.26639	1	1	4.79E-14
mt-Atp6	1.86E-16	-0.38242	1	1	3.33E-12
mt-Nd2	2.32E-16	-0.31847	1	1	4.15E-12
mt-Nd4	6.74E-16	-0.29807	1	1	1.20E-11
Jun	2.32E-10	0.490206	0.825	0.322	4.14E-06
Rps29	2.81E-06	0.505615	1	1	0.050137
Jund	4.13E-06	0.417621	0.881	0.456	0.073819
Rpl41	1.52E-05	0.43945	1	0.989	0.27147
Rpl35a	1.96E-05	0.436839	1	0.956	0.350574
Tpt1	2.36E-05	-0.27895	1	1	0.420991
Rpl38	4.17E-05	0.567058	1	0.956	0.745554
Fabp4	4.82E-05	-0.31073	0.968	0.956	0.862362
Rps26	5.45E-05	0.448694	0.96	0.744	0.973437
Rpl37a	7.05E-05	0.524532	1	0.978	1
Rpl35	0.000213	0.363198	0.976	0.822	1
Pkp4	0.000225	-0.33061	0.19	0.433	1
Rplp2	0.000233	0.44156	1	0.867	1
Rps28	0.000296	0.478633	0.746	0.567	1
Cox7a2l	0.000341	-0.30538	0.278	0.522	1
Rpl37	0.000531	0.522956	1	0.967	1
Rpl39	0.000693	0.492775	0.992	0.933	1
Cd300lg	0.000844	-0.31004	0.397	0.6	1
Mrpl33	0.000925	0.281072	0.278	0.1	1
Rps21	0.00116	0.547199	1	1	1

## Cluster 11 - Glial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	5.70E-21	-0.32675	1	1	1.02E-16
mt-Nd2	8.33E-21	-0.26736	1	1	1.49E-16
mt-Atp6	3.08E-19	-0.40067	1	1	5.50E-15
Rpl41	1.09E-08	0.443985	0.993	0.932	0.000195
mt-Co2	5.17E-06	-0.25967	1	1	0.092315
Kcna1	0.000238	0.276433	0.97	0.959	1
Rpsa	0.000239	-0.25961	0.896	0.973	1
Ldhd	0.000462	-0.26478	0.778	0.849	1
Nr4a2	0.000565	0.455903	0.785	0.63	1
Egr1	0.000607	0.676271	0.563	0.356	1
Stat3	0.000886	0.308194	0.4	0.192	1
Jund	0.001097	0.316992	0.867	0.726	1
Secisbp2l	0.001104	0.267158	0.97	0.973	1
Igfbp5	0.001773	0.529835	0.837	0.753	1
Zfp36	0.002124	0.671284	0.444	0.26	1
Hba-a1	0.004541	1.823354	0.104	0	1
Nr4a1	0.006153	0.400619	0.541	0.411	1
Klf9	0.006454	0.322678	0.519	0.342	1
Lgals1	0.011841	-0.26817	0.837	0.89	1
Fabp4	0.015126	0.343323	0.541	0.37	1
Kcnq1ot1	0.019587	0.334265	0.474	0.329	1
Irf1	0.030737	0.370468	0.237	0.123	1
Hbb-bs	0.033784	2.836494	0.407	0.288	1
Fosb	0.036131	0.304596	0.348	0.205	1
Phlda1	0.038391	0.312286	0.444	0.301	1

## Cluster 12 - Endothelial

p_val	avg_logFC	pct.1	pct.2	p_val_adj
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## Cluster 13 - Endothelial

p_val	avg_logFC	pct.1	pct.2	p_val_adj
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Rplp2	2.78E-08	0.346425	0.989	0.986	0.000498
mt-Rnr2	9.00E-08	-0.29674	1	1	0.001608
Rpl41	5.54E-07	0.336732	1	1	0.009909
Rpl38	8.52E-07	0.308279	0.989	0.986	0.015231
mt-Atp6	2.53E-06	-0.26895	1	1	0.045233
Snrpg	1.21E-05	0.311814	0.759	0.406	0.216164
Rps26	1.55E-05	0.324821	0.977	0.913	0.276752
Rps28	2.70E-05	0.312085	0.943	0.884	0.482337
Cyba	3.81E-05	-0.27221	0.115	0.391	0.681788
Rpl39	4.44E-05	0.256376	1	1	0.793484
Malat1	6.66E-05	0.364676	0.989	1	1
Rpl36al	0.000219	0.269268	0.69	0.391	1
Eng	0.00025	-0.29389	0.885	0.942	1
Cd9	0.000695	-0.30616	0.839	0.957	1
Ncl	0.000714	0.273124	0.655	0.406	1
Ctla2a	0.001191	-0.39452	0.759	0.855	1
Lmo1	0.001429	-0.28587	0.391	0.594	1
Klf7	0.002099	0.330079	0.701	0.507	1
Tmsb10	0.002253	0.312999	0.908	0.884	1
Slc38a2	0.002662	0.375085	0.678	0.493	1
Sec61b	0.002836	0.254425	0.655	0.449	1
Ctsh	0.002918	-0.33905	0.195	0.391	1
Col15a1	0.002952	0.308669	0.644	0.406	1
Lrg1	0.003993	0.251808	0.92	0.942	1
Zbtb20	0.00403	0.254679	0.828	0.71	1

## Cluster 14 - Macrophage

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Atp6	9.85E-10	-0.30715	1	1	1.76E-05
Ccl24	5.03E-08	-0.83146	0.116	0.567	0.000899
Gm28438	5.21E-08	-0.28466	1	1	0.000931
Uba52	8.93E-08	0.534055	0.812	0.433	0.001595
Cd52	1.04E-07	0.776118	0.884	0.463	0.001867
Gas6	1.33E-07	-0.84138	0.246	0.642	0.002368
Ednrb	1.95E-07	-0.84905	0.072	0.478	0.00349
Pmp22	2.84E-07	-0.60538	0.232	0.612	0.005081
Serinc3	3.19E-07	-0.62506	0.551	0.881	0.005702
Igfbp4	3.86E-07	-0.65011	0.217	0.627	0.0069
Folr2	4.66E-07	-0.87098	0.145	0.537	0.008329
Selenop	5.39E-07	-1.07166	0.464	0.791	0.009638
Fxyd2	6.15E-07	-0.78008	0.101	0.463	0.010986
Ctsb	8.12E-07	-0.60008	0.957	0.955	0.014509
Pltp	1.04E-06	-0.751	0.362	0.731	0.018634
F13a1	1.93E-06	-0.94153	0.565	0.791	0.034566
Ccl6	2.33E-06	-0.54786	0.681	0.881	0.041613
Fcna	2.58E-06	-0.52531	0.058	0.403	0.046187
C4b	2.86E-06	-0.77942	0.13	0.493	0.05114
Tmsb10	4.50E-06	1.03348	0.725	0.433	0.080401
Retnla	4.66E-06	-1.38791	0.159	0.507	0.083274
Lyve1	6.25E-06	-0.70612	0.116	0.463	0.11165
Glul	6.36E-06	-0.57174	0.29	0.642	0.11368
Snx2	7.14E-06	-0.43164	0.377	0.731	0.127622
Fgfr1	9.82E-06	-0.44339	0.101	0.433	0.175445

## Cluster 15 - Pericyte

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	8.07E-13	-0.35478	1	1	1.44E-08
mt-Nd4	9.70E-12	-0.2687	1	1	1.73E-07
mt-Atp6	7.61E-11	-0.44075	1	1	1.36E-06
mt-Nd2	1.77E-10	-0.25653	1	1	3.17E-06
Rpl37a	4.92E-06	0.342441	0.989	1	0.087918
Rpl35a	9.59E-06	0.399968	0.989	0.946	0.171485
Gm28438	1.55E-05	-0.28048	1	1	0.27762
Rpl41	2.64E-05	0.347401	1	0.973	0.472272
Sh3glb1	0.000106	0.369989	0.835	0.595	1
Clic1	0.000153	-0.31078	0.484	0.838	1
Ccdc28b	0.000246	-0.29695	0.165	0.459	1
Rps28	0.000276	0.352821	0.813	0.622	1
Rpl38	0.000364	0.274326	1	0.919	1
Rpl39	0.000692	0.310621	0.978	0.919	1
Aldh2	0.000737	-0.26714	0.78	0.973	1
Atp5l	0.000848	0.300453	0.725	0.459	1
Rps26	0.000871	0.308189	0.835	0.622	1
Ywhab	0.000982	0.338433	0.758	0.541	1
Rpl31	0.001276	0.274794	0.758	0.541	1
S100a6	0.001399	0.372559	1	0.919	1
Chmp2a	0.001438	0.277261	0.67	0.378	1
Cox6c	0.00166	0.273706	0.857	0.757	1
Igfbp5	0.001681	0.476691	0.549	0.27	1
Prrc2c	0.001814	0.25476	0.659	0.351	1
Icam2	0.002257	0.264629	0.473	0.189	1



## Cluster 16 - Glial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	5.66E-13	-0.40592	1	1	1.01E-08
mt-Atp6	3.74E-11	-0.4623	1	1	6.69E-07
mt-Nd4	2.77E-10	-0.25597	1	1	4.96E-06
Rps29	1.50E-05	0.365049	1	1	0.268589
Elob	1.79E-05	0.446478	0.855	0.59	0.320299
Gm28438	2.02E-05	-0.2573	1	1	0.361778
Tmsb10	0.000128	0.45638	0.789	0.513	1
Rpl22	0.000232	0.294239	0.934	0.769	1
Rpl41	0.000337	0.324071	1	0.974	1
Ddx6	0.000454	0.390619	0.579	0.282	1
Hspg2	0.000512	0.38265	0.526	0.179	1
Rps12	0.000579	0.314439	1	0.949	1
Rpl37	0.001003	0.28656	1	0.974	1
Efs	0.001025	0.310813	0.421	0.128	1
Rpl35a	0.001192	0.295308	0.987	0.974	1
Acta1	0.00122	-0.43455	0.237	0.538	1
Hdlbp	0.001663	0.294865	0.474	0.179	1
Lyz2	0.001791	-1.18339	0.645	0.718	1
Ripk1	0.001794	0.310813	0.382	0.103	1
Plp1	0.002093	0.363387	0.947	0.897	1
Rps21	0.002104	0.265558	1	0.974	1
Timp3	0.002297	0.502499	0.803	0.641	1
Clic4	0.002811	0.297909	0.671	0.385	1
Fbln5	0.002821	-0.27895	0.329	0.641	1
Rpl37a	0.003139	0.263934	1	0.923	1

## Cluster 17 - Unknown

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Rpl41	0.000613	0.568529	0.864	0.548	1
Ubc	0.000683	0.630415	0.559	0.226	1
Rps17	0.000698	0.417322	0.492	0.129	1
Ube2o	0.001122	-0.2978	0.102	0.387	1
Cd24a	0.001381	-0.33068	0.102	0.387	1
Lars2	0.001684	0.370802	0.339	0.032	1
Rps19	0.001793	0.599312	0.661	0.323	1
Tmsb10	0.002071	0.368051	0.525	0.161	1
Fus	0.002136	0.399492	0.458	0.129	1
Rps29	0.002209	0.610715	0.831	0.516	1
Tnfrsf1a	0.002338	0.266268	0.254	0	1
Rps27	0.002443	0.660914	0.712	0.387	1
Arhgef15	0.002515	0.396222	0.407	0.097	1
Alas2	0.002795	-0.50851	0.593	0.774	1
H2-D1	0.002915	0.609213	0.712	0.484	1
Rps20	0.003031	0.416348	0.763	0.355	1
Rps21	0.003089	0.443228	0.763	0.355	1
Atp5j	0.003811	0.393974	0.576	0.258	1
Rpl9	0.003846	0.391346	0.746	0.419	1
Rpl13	0.003881	0.50407	0.729	0.355	1
Sf3b1	0.004533	0.289738	0.39	0.097	1
Ablim3	0.004695	0.294719	0.39	0.097	1
Mgll	0.004755	0.469451	0.593	0.355	1
Aplp2	0.004813	0.569472	0.525	0.258	1
Rpl22l1	0.004824	0.278439	0.39	0.097	1

## Cluster 18 - Tendon

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Atp6	3.94E-09	-0.38854	1	1	7.05E-05
mt-Rnr2	5.19E-07	-0.30249	1	1	0.009278
Ccn2	0.000102	-0.7513	0.426	0.8	1
Rpl37a	0.000162	0.392039	1	0.971	1
Hdac1	0.000206	-0.26501	0.074	0.4	1
Gng5	0.000213	0.332271	0.796	0.4	1
Dleu2	0.000256	0.474286	0.667	0.257	1
Cast	0.00027	0.36871	0.481	0.114	1
Gm28438	0.000514	-0.26079	1	1	1
Arl5b	0.000754	-0.25131	0.093	0.4	1
Rps28	0.000804	0.425375	0.981	0.914	1
Rps8	0.001086	0.255336	1	0.971	1
Rpl39	0.001193	0.309743	1	0.971	1
Dok1	0.001205	-0.29305	0.13	0.429	1
Cct8	0.001287	-0.27199	0.204	0.543	1
Fau	0.001388	0.254645	1	1	1
Actb	0.001974	0.411918	0.963	0.943	1
Selenok	0.002164	-0.29437	0.63	0.8	1
Tmem204	0.002252	-0.31175	0.13	0.4	1
Rps29	0.003096	0.266766	1	1	1
Ifitm3	0.003293	0.646893	0.833	0.686	1
Rps21	0.003542	0.261683	1	0.971	1
Rpl38	0.00388	0.312899	0.981	0.943	1
Bgn	0.003896	-0.36121	0.907	0.943	1
Zfand5	0.004142	0.284204	0.426	0.143	1

## Cluster 19 - Neutrophil

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Nd2	1.08E-07	-0.27891	1	1	0.001933
mt-Rnr2	1.45E-06	-0.28701	1	1	0.025922
mt-Atp6	2.24E-05	-0.3548	1	1	0.399489
Tgm2	0.000978	0.70415	0.532	0.136	1
Ccr12	0.001559	0.978852	0.574	0.182	1
Snx20	0.002056	0.486489	0.83	0.636	1
Srgn	0.002148	0.439113	1	1	1
Lamp1	0.003019	-0.34513	0.17	0.545	1
Med31	0.003482	-0.35364	0.085	0.364	1
Ubc	0.003515	0.529264	0.936	0.818	1
H2-T23	0.003598	0.437146	0.511	0.136	1
Marcks	0.003603	0.573346	0.894	0.727	1
Fmnl1	0.003877	0.378728	0.489	0.136	1
1810013L2	0.003911	-0.29302	0.085	0.364	1
Ddx3x	0.004749	0.453917	0.66	0.318	1
Malat1	0.005279	0.279403	1	1	1
Sgms2	0.00544	0.404046	0.574	0.182	1
Atp6v1a	0.00566	0.324908	0.362	0.045	1
Samsn1	0.006412	0.488353	0.851	0.682	1
Trib1	0.006977	0.542848	0.681	0.409	1
Cpeb2	0.007063	0.453917	0.277	0	1
Tnf	0.007152	0.928976	0.277	0	1
Clec4d	0.007535	0.42359	0.957	0.818	1
Fth1	0.007831	0.68478	1	1	1
Slc25a33	0.007918	0.378728	0.426	0.091	1

## Cluster 20 - T Cell

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	8.51E-06	-0.4233	1	1	0.152119
mt-Nd4	2.46E-05	-0.2555	1	1	0.439652
mt-Nd2	6.37E-05	-0.25549	1	1	1
mt-Atp6	0.000458	-0.35215	1	1	1
Dynlrb1	0.000782	-0.41276	0.04	0.5	1
Tram1	0.000937	-0.37502	0.08	0.571	1
Gm28438	0.000973	-0.35351	1	1	1
Adh5	0.002818	-0.36624	0.04	0.429	1
Fosl2	0.002853	0.672944	0.76	0.286	1
Atp6v0e	0.003993	-0.39058	0.12	0.571	1
Tdrp	0.004243	0.392042	0.44	0	1
Trp53inp1	0.004363	-0.3285	0.04	0.429	1
Peak1	0.005404	-0.35667	0.2	0.643	1
Smarca5	0.005748	0.454255	0.6	0.143	1
Tmx4	0.005834	-0.25131	0	0.286	1
Mbd6	0.005834	-0.25131	0	0.286	1
Ten1	0.005834	-0.25131	0	0.286	1
Hist1h1c	0.005834	-0.25131	0	0.286	1
Polr2f	0.005834	-0.25131	0	0.286	1
Cd320	0.005834	-0.25131	0	0.286	1
Mrpl43	0.005834	-0.25131	0	0.286	1
Gm12216	0.005889	-0.30538	0	0.286	1
Ammecr1l	0.005889	-0.30538	0	0.286	1
Oaz1	0.006688	0.570087	0.96	0.786	1
Fbxo33	0.007387	0.364643	0.4	0	1

## Cluster 21 - B Cell

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
mt-Rnr2	4.99E-05	-0.38594	1	1	0.891713
Rpl17	0.001248	-0.37537	1	1	1
mt-Atp6	0.001317	-0.35187	1	1	1
Slc25a3	0.001993	-0.56885	0.292	0.786	1
Polr2c	0.00211	-0.30538	0	0.357	1
Snrpd1	0.00211	-0.30538	0	0.357	1
Nedd8	0.002635	-0.46204	0.125	0.571	1
Gm42031	0.003488	-0.36464	0.042	0.429	1
Dpy30	0.003488	-0.36464	0.042	0.429	1
Rb1cc1	0.003811	0.538562	0.625	0.143	1
Kdm7a	0.004434	0.441833	0.542	0.071	1
Nsmce4a	0.006052	0.377294	0.417	0	1
Lman2l	0.006867	-0.25131	0	0.286	1
Rsu1	0.006867	-0.25131	0	0.286	1
Rsrc1	0.006867	-0.25131	0	0.286	1
Rbmxl1	0.006867	-0.25131	0	0.286	1
C920009B1	0.006867	-0.25131	0	0.286	1
Gtf2h2	0.006867	-0.25131	0	0.286	1
Apex1	0.006867	-0.25131	0	0.286	1
Lpin2	0.006932	-0.30538	0	0.286	1
Ubb	0.00836	-0.42721	0.958	1	1
Kmt2e	0.010272	0.44682	0.875	0.571	1
Rp9	0.010519	0.377294	0.375	0	1
Dpm3	0.010519	0.348307	0.375	0	1
Fam133b	0.010519	0.348307	0.375	0	1

## Cluster 22 - Unknown

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Pcbp1	8.10E-05	0.575364	0.611	0	1
Mrps14	0.000124	0.459532	0.667	0.053	1
mt-Atp6	0.000142	-0.58868	1	1	1
mt-Cytb	0.000222	-0.27054	1	1	1
mt-Nd2	0.000663	-0.40789	1	1	1
Gsn	0.000689	-0.65076	1	1	1
Il11ra1	0.000809	-0.56497	0.333	0.895	1
mt-Rnr2	0.000923	-0.47909	1	1	1
Rpn1	0.000976	0.492322	0.556	0.053	1
Nop10	0.000984	0.489385	0.667	0.105	1
Fam53b	0.001	-0.38777	0	0.474	1
Ppp2r2d	0.001046	-0.42286	0	0.474	1
mt-Nd4	0.001341	-0.33688	1	1	1
Rpl41	0.001581	0.397319	1	1	1
Rpl38	0.002785	0.492322	1	0.895	1
Mrps15	0.003124	0.328504	0.389	0	1
Sel1l	0.003124	0.328504	0.389	0	1
Eif5a	0.003129	0.372521	0.889	0.632	1
Taf9b	0.003205	0.367725	0.389	0	1
Ppdpf	0.00326	0.405465	0.389	0	1
Gna11	0.003327	0.443532	0.556	0.105	1
Copb2	0.004158	0.341749	0.556	0.105	1
Matr3	0.004397	0.372521	0.722	0.263	1
Sec11c	0.004844	0.364222	0.611	0.158	1
Cwc15	0.005363	0.330321	0.611	0.158	1