

Table 1. Top 25 Differentially Expressed Genes by Cluster

Cluster 0 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Tmsb4x	0	0.802998	1	0.957	0
Fabp4	0	0.802301	1	0.811	0
Timp4	1.07E-306	0.673811	0.965	0.587	1.92E-302
Gpihbp1	1.57E-289	0.588267	0.989	0.646	2.81E-285
Ybx1	4.78E-285	0.511519	0.99	0.859	8.54E-281
Gng11	1.93E-264	0.545281	0.978	0.755	3.45E-260
Sptbn1	2.02E-261	0.483296	0.991	0.822	3.61E-257
C1qtnf9	2.56E-260	0.493523	0.909	0.49	4.57E-256
Tspan13	1.68E-244	0.482722	0.979	0.627	3.00E-240
Cavin2	3.27E-225	0.468367	0.977	0.69	5.84E-221
Smco4	1.13E-224	0.455126	0.749	0.361	2.01E-220
Egfl7	9.30E-220	0.461143	0.992	0.684	1.66E-215
Rflnb	7.90E-214	0.467164	0.773	0.38	1.41E-209
Aqp1	7.47E-202	0.501286	0.997	0.705	1.33E-197
Rgcc	2.59E-200	0.444997	0.951	0.598	4.63E-196
Ctnnbip1	9.24E-199	0.395303	0.756	0.38	1.65E-194
Cav1	5.17E-189	0.403003	0.994	0.773	9.25E-185
Fabp5	8.38E-189	0.513732	0.853	0.502	1.50E-184
Ppp1r2	8.01E-188	0.400319	0.908	0.586	1.43E-183
2810025M	4.40E-185	0.359433	0.661	0.305	7.86E-181
AW112010	1.10E-179	0.437576	0.875	0.517	1.96E-175
Cav2	4.89E-178	0.37775	0.878	0.521	8.74E-174
Ccdc85b	3.90E-176	0.362023	0.796	0.444	6.98E-172
Ctla2a	1.00E-175	0.412702	0.789	0.402	1.79E-171
Cavin1	2.07E-171	0.383458	0.971	0.739	3.70E-167

Cluster 1 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Aqp1	0	0.774871	0.996	0.713	0
Tpt1	0	-0.75154	0.993	0.994	0
Fth1	0	-0.86494	0.939	0.986	0
Cd36	3.05E-300	0.668966	0.995	0.756	5.44E-296
mt-Co2	1.87E-273	0.459149	0.999	0.989	3.35E-269
Rps24	4.41E-269	-0.6361	0.95	0.978	7.89E-265
Kdr	5.64E-247	0.621187	0.924	0.603	1.01E-242
Rplp1	8.61E-243	-0.53844	0.94	0.983	1.54E-238
Rps3a1	1.91E-242	-0.59588	0.829	0.955	3.42E-238
Cdh5	3.68E-239	0.557867	0.975	0.679	6.59E-235
Rps8	7.55E-227	-0.57561	0.9	0.97	1.35E-222
Rpl13	3.31E-223	-0.53955	0.945	0.973	5.92E-219
Gm28438	5.21E-219	0.273871	1	1	9.31E-215
Rpl23	1.91E-218	-0.60004	0.906	0.966	3.42E-214
Rps2	1.15E-216	-0.62286	0.728	0.923	2.06E-212
Rps4x	3.06E-215	-0.62502	0.829	0.945	5.48E-211
Jund	5.06E-212	-0.99481	0.479	0.776	9.05E-208
Rpl9	2.10E-203	-0.50452	0.931	0.974	3.76E-199
Eef1a1	3.02E-201	-0.56909	0.956	0.958	5.39E-197
Rpl32	3.42E-196	-0.53008	0.844	0.946	6.11E-192
mt-Atp8	4.28E-193	0.410064	0.991	0.942	7.65E-189
Rplp0	4.34E-193	-0.58752	0.706	0.904	7.76E-189
Junb	1.48E-191	-1.24151	0.226	0.599	2.65E-187
Rpl30	7.17E-191	-0.52822	0.803	0.935	1.28E-186
Afdn	3.92E-190	0.509225	0.889	0.596	7.01E-186

Cluster 2 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Hspa1a	0	1.2632	0.948	0.463	0
Hspa1b	0	1.150488	0.939	0.444	0
Klf2	0	1.042731	0.984	0.702	0
Hspb1	0	1.00957	0.987	0.762	0
Jun	0	0.863289	0.964	0.556	0
Zfp36	0	0.833423	0.858	0.343	0
Junb	0	0.81733	0.957	0.461	0
Jund	0	0.712781	0.973	0.682	0
Sertad1	0	0.559802	0.612	0.175	0
Socs3	1.34E-296	0.613959	0.683	0.223	2.39E-292
Ier3	2.63E-294	0.795825	0.691	0.241	4.70E-290
Ier5l	5.06E-270	0.55644	0.608	0.196	9.05E-266
Ier2	2.96E-254	0.666732	0.737	0.319	5.30E-250
Gm48565	3.97E-245	0.398673	0.383	0.075	7.10E-241
Cdkn1a	1.63E-238	0.646687	0.736	0.332	2.91E-234
Klf4	2.25E-230	0.72523	0.821	0.45	4.03E-226
Fos	6.54E-225	0.326432	0.818	0.36	1.17E-220
Egr1	6.23E-222	0.570555	0.749	0.312	1.11E-217
Btg2	1.04E-220	0.590506	0.87	0.519	1.87E-216
Hsp90aa1	2.74E-218	0.552334	0.801	0.421	4.89E-214
Tcim	2.63E-212	0.632205	0.849	0.494	4.70E-208
Dusp1	6.61E-201	0.605065	0.808	0.446	1.18E-196
Atf3	4.78E-193	0.517272	0.48	0.143	8.54E-189
Gadd45g	1.97E-190	0.637473	0.55	0.202	3.52E-186
Dnaja1	1.34E-189	0.543031	0.839	0.543	2.39E-185

Cluster 3 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Tm4sf1	0	1.198075	0.98	0.615	0
Rbp7	0	1.093662	0.668	0.072	0
Igfbp3	0	0.944933	0.64	0.125	0
Stmn2	0	0.784036	0.59	0.065	0
Sema3g	0	0.643189	0.548	0.066	0
Hey1	0	0.483462	0.453	0.053	0
St8sia6	0	0.339753	0.337	0.023	0
Gja5	0	0.25476	0.198	0.002	0
Alpl	5.44E-294	0.529432	0.552	0.097	9.72E-290
Col8a1	8.60E-292	0.338936	0.279	0.017	1.54E-287
Edn1	5.77E-288	0.544049	0.333	0.03	1.03E-283
Btnl9	1.37E-272	0.559098	0.529	0.095	2.45E-268
Fbln5	1.38E-218	0.540358	0.359	0.052	2.47E-214
Efnb2	3.50E-176	0.48902	0.675	0.228	6.26E-172
Vegfc	4.14E-174	0.288282	0.256	0.031	7.39E-170
Tsc22d1	4.54E-170	0.626138	0.776	0.334	8.12E-166
Tm6sf1	3.27E-158	0.341968	0.431	0.101	5.85E-154
Mecom	2.75E-155	0.510528	0.624	0.225	4.91E-151
Sox17	8.47E-141	0.483537	0.684	0.267	1.51E-136
St6galnac2	1.73E-137	0.281783	0.338	0.071	3.09E-133
Gja4	1.25E-136	0.27522	0.261	0.042	2.24E-132
Unc5b	1.68E-134	0.328769	0.389	0.096	3.00E-130
Fabp4	3.54E-119	0.590773	0.996	0.834	6.32E-115
Id1	4.54E-114	0.570609	0.873	0.528	8.11E-110
Epas1	1.04E-113	0.470352	0.976	0.724	1.87E-109

Cluster 4 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Acta1	0	3.901262	0.998	0.313	0
Tnnc2	0	3.866413	1	0.294	0
Mylpf	0	3.843921	0.995	0.326	0
Myl1	0	3.594138	0.986	0.205	0
Tnni2	0	3.548533	0.995	0.226	0
Tnnt3	0	3.525328	0.986	0.213	0
Ckm	0	3.476401	0.99	0.218	0
Tpm1	0	3.368174	0.991	0.428	0
Aldoa	0	2.781373	0.986	0.486	0
Pvalb	0	2.491138	0.899	0.085	0
Eno3	0	2.280304	0.938	0.067	0
Slc25a4	0	2.226636	0.962	0.447	0
Myh4	0	2.19766	0.76	0.067	0
Tcap	0	2.192759	0.906	0.074	0
Tpm2	0	2.04633	0.943	0.174	0
Pgam2	0	2.04112	0.884	0.045	0
Myoz1	0	1.972269	0.878	0.04	0
Actn3	0	1.945674	0.82	0.039	0
Atp2a1	0	1.899809	0.88	0.111	0
Cox6a2	0	1.888358	0.872	0.063	0
Chchd10	0	1.708514	0.854	0.085	0
Atp5g1	0	1.6377	0.882	0.329	0
Car3	0	1.491739	0.699	0.028	0
Cox8b	0	1.488999	0.825	0.034	0
Tpi1	0	1.463857	0.81	0.223	0

Cluster 5 - Muscle Stem Cell

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Mt1	0	2.317966	0.755	0.115	0
Mt2	0	1.983996	0.778	0.051	0
Meg3	0	1.841958	0.81	0.068	0
Gpx3	0	1.799921	0.979	0.057	0
Chodl	0	1.557465	0.95	0.011	0
Cxcl1	0	1.484914	0.506	0.049	0
Cebpb	0	1.451755	0.787	0.156	0
Nppc	0	1.36954	0.421	0.003	0
Peg3	0	1.347562	0.897	0.037	0
Sdc4	0	1.321009	0.82	0.065	0
Gas1	0	1.094044	0.766	0.083	0
Crlf1	0	1.087036	0.847	0.015	0
Pax7	0	1.018882	0.791	0.001	0
Cd63	0	0.942585	0.91	0.191	0
Ppp1r14b	0	0.939104	0.793	0.134	0
Maff	0	0.926058	0.544	0.042	0
Vcam1	0	0.897048	0.674	0.027	0
Dhcr24	0	0.809872	0.663	0.028	0
Rhoh	0	0.771015	0.358	0.006	0
Pdlim4	0	0.77074	0.759	0.122	0
Myf5	0	0.744147	0.571	0.002	0
Fgfr1	0	0.693327	0.676	0.08	0
Fgfr4	0	0.6592	0.638	0.001	0
Clmn	0	0.622509	0.598	0.055	0
Runx1	0	0.587122	0.506	0.029	0

Cluster 6 - Pericyte

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Rgs5	0	2.593204	1	0.314	0
Steap4	0	1.900901	0.963	0.068	0
Abcc9	0	1.860878	0.966	0.037	0
Pdgfrb	0	1.815564	0.989	0.073	0
Vtn	0	1.808228	0.955	0.062	0
Kcnj8	0	1.646975	0.907	0.025	0
Ndufa4l2	0	1.447572	0.926	0.072	0
Aspn	0	1.32386	0.862	0.07	0
Notch3	0	1.201938	0.878	0.08	0
Myl9	0	1.026448	0.884	0.092	0
Gucy1a1	0	1.014499	0.794	0.048	0
C1s1	0	0.994673	0.77	0.081	0
Pacsin3	0	0.927676	0.69	0.049	0
Dtx3	0	0.885108	0.717	0.075	0
Gucy1b1	0	0.878994	0.717	0.041	0
Cox4i2	0	0.836691	0.646	0.046	0
Cpe	0	0.803657	0.725	0.089	0
Rgs4	0	0.788664	0.593	0.045	0
Col6a3	0	0.782376	0.759	0.077	0
Itga7	0	0.763769	0.661	0.048	0
Npy1r	0	0.751435	0.632	0.034	0
Enpep	0	0.746712	0.59	0.021	0
Ano1	0	0.72793	0.595	0.029	0
Arhgdib	0	0.693789	0.606	0.058	0
Casq2	0	0.689033	0.556	0.034	0

Cluster 7 - FAP

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Gsn	0	4.085294	1	0.153	0
Dcn	0	3.697783	0.997	0.042	0
Col3a1	0	3.12197	0.997	0.09	0
Cxcl14	0	2.559261	0.55	0.014	0
Col1a2	0	2.403106	0.995	0.082	0
Smoc2	0	2.256673	0.746	0.01	0
Clec3b	0	2.141872	0.923	0.007	0
Igfbp6	0	2.121333	0.937	0.022	0
C3	0	2.025654	0.672	0.01	0
Myoc	0	2.00977	0.754	0.015	0
Apod	0	1.971087	0.706	0.044	0
Col1a1	0	1.966086	0.955	0.048	0
Serping1	0	1.948852	0.968	0.108	0
Serpinf1	0	1.90152	0.95	0.023	0
Lum	0	1.809908	0.802	0.007	0
Tnxb	0	1.800068	0.897	0.039	0
Timp2	0	1.75998	0.947	0.113	0
Pi16	0	1.744158	0.447	0.006	0
Mfap5	0	1.723061	0.839	0.017	0
Col6a1	0	1.598987	0.899	0.047	0
Ogn	0	1.596344	0.876	0.053	0
Ccl11	0	1.561517	0.746	0.01	0
Abca8a	0	1.557516	0.865	0.06	0
Rnase4	0	1.55262	0.939	0.031	0
Fstl1	0	1.518977	0.899	0.158	0

Cluster 8 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Ifit1	8.19E-262	0.961615	0.601	0.071	1.46E-257
Ifit3	6.28E-197	0.615613	0.5	0.063	1.12E-192
Ifi44	2.97E-151	0.459985	0.387	0.048	5.32E-147
Ilgp1	2.95E-144	1.053422	0.902	0.319	5.27E-140
Ifit2	1.65E-134	0.543682	0.405	0.06	2.95E-130
Igtp	1.25E-120	0.555528	0.548	0.121	2.24E-116
Gbp4	2.59E-108	0.871401	0.702	0.231	4.63E-104
Gbp7	1.08E-105	0.711672	0.768	0.287	1.92E-101
Rsad2	4.91E-105	0.961465	0.714	0.251	8.78E-101
Isg15	2.15E-100	0.949988	0.592	0.175	3.84E-96
Bst2	1.01E-99	0.870743	0.929	0.537	1.80E-95
Stat1	1.03E-95	0.530056	0.589	0.169	1.84E-91
Cmpk2	3.91E-95	0.503661	0.405	0.082	6.99E-91
Parp14	9.02E-88	0.614756	0.637	0.22	1.61E-83
Cd274	2.46E-86	0.49718	0.518	0.14	4.40E-82
Ifi203	5.61E-84	0.716627	0.717	0.298	1.00E-79
Gbp5	5.47E-82	0.411266	0.455	0.114	9.78E-78
Gbp3	3.92E-73	0.455816	0.494	0.145	7.01E-69
Ly6a	3.82E-72	0.690611	0.973	0.736	6.82E-68
Irgm2	2.05E-70	0.329328	0.408	0.102	3.67E-66
Tap1	2.11E-68	0.423183	0.527	0.168	3.77E-64
Ifi47	6.30E-63	0.29427	0.333	0.077	1.13E-58
Oasl2	6.44E-62	0.282781	0.327	0.075	1.15E-57
Gbp2	9.29E-62	0.536706	0.554	0.205	1.66E-57
Mndal	3.86E-61	0.570991	0.667	0.303	6.90E-57

Cluster 9 - Smooth Muscle

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Acta2	0	3.999349	1	0.073	0
Tagln	0	3.550223	0.996	0.069	0
Myh11	0	2.881368	0.989	0.049	0
Myl9	0	2.844824	1	0.097	0
Mustn1	0	2.241377	0.982	0.173	0
Mylk	0	2.145237	0.989	0.109	0
Flna	0	2.085161	0.993	0.192	0
Igfbp5	0	2.009717	0.971	0.14	0
Pald	0	1.70685	0.93	0.05	0
Ppp1r14a	0	1.442326	0.893	0.05	0
Aspn	0	1.434839	0.963	0.076	0
Sorbs2	0	1.420331	0.879	0.086	0
Pln	0	1.392018	0.849	0.001	0
Sncg	0	1.372181	0.926	0.144	0
Lbh	0	1.367791	0.934	0.059	0
Pcp4l1	0	1.358559	0.938	0.152	0
Rasl11a	0	1.358516	0.761	0.077	0
Gucy1a1	0	1.339689	0.949	0.052	0
Olfr558	0	1.258552	0.912	0.027	0
Gm13889	0	1.247802	0.82	0.041	0
Fbxl22	0	1.237611	0.835	0.007	0
Csrp2	0	1.232602	0.868	0.121	0
Notch3	0	1.21908	0.949	0.087	0
Pde3a	0	1.177276	0.893	0.053	0
Atp1a2	0	1.169333	0.912	0.12	0

Cluster 10 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Malat1	9.88E-65	-1.23924	0.986	0.982	1.77E-60
mt-Co2	8.90E-39	0.455508	1	0.991	1.59E-34
mt-Atp8	1.02E-34	0.487834	1	0.949	1.82E-30
Rps20	2.86E-33	0.669075	1	0.954	5.11E-29
Rps24	2.88E-33	0.558947	1	0.973	5.15E-29
Rps29	6.97E-30	0.610739	1	0.979	1.25E-25
Rps14	3.05E-29	0.402013	0.995	0.949	5.46E-25
Rps21	1.80E-28	0.747586	1	0.969	3.22E-24
Rps27a	7.22E-26	0.625206	1	0.946	1.29E-21
Rps16	1.01E-24	0.464692	0.991	0.943	1.81E-20
Rpl35a	8.78E-24	0.532192	0.981	0.94	1.57E-19
Rpl30	1.34E-23	0.620576	0.968	0.911	2.40E-19
Rpl38	1.82E-22	0.568476	0.981	0.905	3.25E-18
Fau	2.54E-22	0.383876	1	0.973	4.53E-18
Rps27	3.82E-22	0.510108	1	0.948	6.82E-18
Rps12	7.03E-22	0.566325	1	0.948	1.26E-17
Rpl34	7.30E-22	0.403724	0.977	0.919	1.30E-17
Rpl23	1.93E-21	0.452355	0.991	0.955	3.45E-17
Rps11	2.05E-21	0.602838	0.981	0.933	3.67E-17
Rpl37a	3.21E-21	0.631106	0.991	0.963	5.74E-17
Rpl27a	1.96E-20	0.45157	0.921	0.839	3.51E-16
Rpl41	2.10E-20	0.526044	0.995	0.968	3.75E-16
Tra2a	2.33E-20	-0.37611	0.102	0.43	4.17E-16
Srsf5	8.38E-20	-0.35003	0.218	0.574	1.50E-15
Gm37033	1.14E-19	-0.41365	0.097	0.417	2.04E-15

Cluster 11 - Glial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Mpz	0	4.276489	1	0.012	0
Mbp	0	3.039343	1	0.022	0
Pmp22	0	3.038101	1	0.136	0
Gatm	0	2.74454	1	0.014	0
Mal	0	2.076495	0.99	0.006	0
Fxyd3	0	1.882492	0.952	0.006	0
Cnp	0	1.815555	0.966	0.049	0
Plp1	0	1.794159	0.962	0.022	0
Prx	0	1.793645	0.966	0.012	0
Kcna1	0	1.771862	0.966	0.013	0
Scd2	0	1.752289	0.971	0.103	0
Ncmamp	0	1.620757	0.75	0.004	0
Fxyd6	0	1.534207	0.947	0.091	0
Egfl8	0	1.530045	0.894	0.015	0
Gpm6b	0	1.423654	0.928	0.037	0
Pou3f1	0	1.345465	0.827	0.043	0
Stmn1	0	1.342949	0.885	0.081	0
Cldn19	0	1.341252	0.899	0.004	0
Plekha4	0	1.337912	0.913	0.013	0
Aatk	0	1.317477	0.938	0.033	0
Drp2	0	1.310912	0.87	0.02	0
S100b	0	1.303766	0.803	0.012	0
Plekhb1	0	1.217798	0.889	0.038	0
Gjc3	0	1.179273	0.817	0.012	0
Mt3	0	1.17483	0.74	0.011	0

Cluster 12 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Tmem252	0	1.080195	0.701	0.028	0
AA467197	2.18E-277	0.489727	0.328	0.008	3.89E-273
Inhbb	8.46E-189	0.392819	0.328	0.014	1.51E-184
Sema3f	2.17E-154	0.550957	0.511	0.049	3.88E-150
Csf2rb	1.71E-148	0.683987	0.402	0.031	3.06E-144
Il4ra	4.07E-111	0.665151	0.684	0.125	7.27E-107
Nus1	7.52E-102	0.854898	0.81	0.215	1.34E-97
Medag	2.83E-96	0.599273	0.477	0.067	5.05E-92
Grrp1	1.38E-92	0.679001	0.718	0.164	2.47E-88
Ctla2a	1.58E-90	1.418819	0.966	0.468	2.82E-86
Adamts4	6.55E-88	0.322561	0.31	0.03	1.17E-83
Adamts9	4.04E-83	0.846284	0.724	0.192	7.22E-79
Igfbp7	5.21E-83	1.029964	1	0.838	9.32E-79
Rell1	1.53E-74	0.577411	0.546	0.113	2.74E-70
Fxyd5	4.43E-74	0.585502	0.73	0.194	7.92E-70
Ugcg	1.95E-70	0.582506	0.632	0.157	3.49E-66
Ecsr	2.01E-67	0.901816	0.879	0.422	3.59E-63
Adamts1	3.12E-60	0.790049	0.816	0.306	5.57E-56
Cldn5	1.13E-59	1.110831	0.902	0.515	2.02E-55
Litaf	7.55E-58	0.618975	0.701	0.229	1.35E-53
Ifitm3	7.58E-58	0.808386	1	0.884	1.35E-53
Actn1	8.63E-56	0.491628	0.575	0.15	1.54E-51
Adam15	2.22E-53	0.610325	0.73	0.274	3.96E-49
Pkig	4.78E-53	0.523795	0.511	0.133	8.54E-49
Plaur	7.77E-53	0.260875	0.27	0.037	1.39E-48

Cluster 13 - Endothelial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Plvap	0	1.955997	0.987	0.018	0
Lrg1	0	1.777256	0.929	0.02	0
Selp	0	1.37122	0.66	0.002	0
Ackr1	0	0.805275	0.481	0.01	0
Slco2a1	0	0.750816	0.622	0.013	0
Spint2	0	0.682761	0.744	0.045	0
Csf2rb2	0	0.499071	0.442	0.011	0
Chp2	0	0.498835	0.494	0.018	0
Pdia5	0	0.494698	0.513	0.015	0
Cysltr1	0	0.482524	0.519	0.011	0
Rasa4	1.31E-278	1.149412	0.827	0.07	2.35E-274
Sele	3.09E-270	0.267947	0.147	0	5.52E-266
Ehd4	3.00E-263	1.544335	0.949	0.111	5.36E-259
Vwf	3.32E-259	1.493203	0.897	0.095	5.93E-255
Tmem252	3.61E-242	0.653874	0.558	0.032	6.46E-238
Hs3st1	2.95E-241	0.452739	0.455	0.02	5.27E-237
Clu	4.07E-218	0.739629	0.532	0.033	7.28E-214
Ret	2.01E-214	0.351052	0.353	0.013	3.59E-210
Eln	4.86E-208	1.002334	0.756	0.077	8.68E-204
Arrb1	1.77E-206	0.569286	0.615	0.048	3.17E-202
Lhx6	4.65E-206	0.460393	0.526	0.033	8.31E-202
Lepr	8.72E-203	0.316827	0.327	0.012	1.56E-198
2200002DC	3.38E-199	0.536055	0.603	0.047	6.04E-195
Ctnna1	7.87E-197	0.47028	0.494	0.031	1.41E-192
Syt15	7.47E-196	0.258493	0.276	0.008	1.33E-191

Cluster 14 - Macrophage

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Lyz2	0	3.429941	0.985	0.021	0
Cd74	0	3.420838	0.831	0.015	0
Retnla	0	2.790905	0.331	0.003	0
H2-Aa	0	2.61491	0.676	0.01	0
H2-Eb1	0	2.49379	0.654	0.012	0
H2-Ab1	0	2.463403	0.676	0.01	0
C1qa	0	2.224738	0.559	0.001	0
Fcer1g	0	2.205855	0.993	0.012	0
C1qb	0	2.185252	0.574	0.003	0
Pf4	0	2.164768	0.551	0.014	0
Tyrobp	0	1.990108	0.993	0.012	0
Ccl6	0	1.861319	0.779	0.008	0
C1qc	0	1.830036	0.559	0.001	0
Ctss	0	1.780255	0.956	0.004	0
Ctsc	0	1.716502	0.912	0.016	0
Wfdc17	0	1.63883	0.772	0.007	0
Cd52	0	1.618518	0.676	0.017	0
F13a1	0	1.593254	0.676	0.001	0
Cd14	0	1.562207	0.699	0.013	0
Tgfb1	0	1.485122	0.838	0.044	0
Ccl9	0	1.479766	0.735	0.001	0
Mrc1	0	1.477788	0.559	0.001	0
Laptn5	0	1.469753	0.963	0.012	0
Lgals3	0	1.448288	0.75	0.041	0
Il1b	0	1.408222	0.412	0.009	0

Cluster 15 - Pericyte

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Abcc9	0	1.261829	0.953	0.061	0
Kcnj8	0	1.182937	0.898	0.048	0
Vtn	9.99E-261	1.297077	0.977	0.085	1.79E-256
Steap4	3.78E-244	1.224663	0.984	0.091	6.76E-240
Plxdc1	2.54E-238	0.48729	0.586	0.029	4.54E-234
Higd1b	9.62E-233	0.561475	0.625	0.035	1.72E-228
Cox4i2	1.42E-228	0.732453	0.789	0.059	2.54E-224
Ndufa4l2	2.51E-228	1.200227	0.961	0.094	4.48E-224
Pdgfrb	1.38E-215	1.130628	0.953	0.097	2.47E-211
Enpep	1.56E-197	0.487764	0.586	0.036	2.78E-193
Myl9	5.25E-175	0.82403	0.938	0.112	9.37E-171
Aspn	6.06E-173	0.796937	0.867	0.091	1.08E-168
Gucy1a1	2.29E-164	0.573678	0.742	0.069	4.10E-160
Arhgdib	2.05E-158	0.646642	0.719	0.071	3.67E-154
Gucy1b1	1.07E-156	0.595236	0.664	0.06	1.91E-152
Npy1r	6.68E-154	0.539028	0.602	0.05	1.19E-149
Trpc3	3.71E-149	0.464419	0.508	0.037	6.63E-145
Opcml	6.18E-149	0.428895	0.523	0.039	1.10E-144
Casq2	7.70E-140	0.467177	0.562	0.048	1.38E-135
Rgs4	2.62E-138	0.607868	0.617	0.059	4.68E-134
Il34	2.46E-133	0.38242	0.469	0.035	4.40E-129
Agtr1a	4.07E-133	0.327182	0.383	0.023	7.27E-129
Eps8	2.83E-131	0.492587	0.609	0.061	5.06E-127
Pacsin3	6.68E-126	0.514743	0.625	0.066	1.19E-121
Ano1	9.70E-126	0.49545	0.516	0.045	1.73E-121

Cluster 16 - Glial

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Col20a1	0	2.308385	0.87	0.002	0
Ptn	0	2.024566	0.939	0.011	0
Pou3f1	0	1.904595	0.913	0.05	0
Gpm6b	0	1.882273	0.991	0.045	0
Postn	0	1.698916	0.826	0.012	0
Lgi4	0	1.615391	0.913	0.01	0
Plp1	0	1.487662	0.93	0.032	0
Bche	0	1.4518	0.765	0.003	0
Matn2	0	1.402747	0.922	0.026	0
Kcna1	0	1.260401	0.817	0.025	0
Kank4	0	1.20352	0.748	0.014	0
Nrn1	0	1.152341	0.861	0.003	0
Kcna2	0	1.137587	0.87	0.027	0
Ajap1	0	1.133501	0.722	0.002	0
Ncam1	0	1.123457	0.87	0.034	0
Matn4	0	1.116616	0.817	0.006	0
Cdh19	0	1.096644	0.861	0.007	0
Aspa	0	1.096359	0.817	0.012	0
Chl1	0	1.065158	0.817	0.001	0
Gas7	0	1.050929	0.852	0.026	0
Cadm4	0	1.002443	0.748	0.014	0
Gpr37l1	0	0.993484	0.774	0.009	0
Foxd3	0	0.977549	0.696	0.009	0
Ptprz1	0	0.96534	0.73	0.014	0
Adam23	0	0.95785	0.757	0.007	0

Cluster 17 - Unknown

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Alas2	0	1.372399	0.656	0.002	0
Snca	9.50E-259	0.979589	0.489	0.013	1.70E-254
Hba-a2	5.44E-233	5.329018	0.989	0.081	9.72E-229
Hbb-bt	1.66E-231	5.046438	0.922	0.068	2.96E-227
Tent5c	6.79E-228	0.832539	0.578	0.023	1.21E-223
Hba-a1	2.51E-213	5.528609	1	0.093	4.48E-209
Bpgm	1.25E-96	0.938139	0.478	0.039	2.23E-92
Hbb-bs	1.57E-86	6.039027	1	0.318	2.81E-82
Slc25a37	3.75E-78	0.436294	0.4	0.033	6.70E-74
Ube2l6	2.84E-71	0.810966	0.589	0.083	5.08E-67
lsg20	3.03E-69	0.392722	0.378	0.033	5.42E-65
Mkrn1	4.50E-44	0.996186	0.533	0.108	8.05E-40
Rps27a	9.80E-24	-0.77831	0.589	0.951	1.75E-19
Rplp1	4.24E-22	-0.70793	0.7	0.978	7.57E-18
Rpl8	1.35E-21	-0.69477	0.533	0.926	2.41E-17
Rps3a1	1.68E-21	-0.73025	0.611	0.936	3.01E-17
Rps5	3.53E-21	-0.7454	0.578	0.923	6.31E-17
Rpl18a	5.01E-21	-0.69729	0.611	0.941	8.96E-17
Rpl19	7.93E-21	-0.67382	0.567	0.949	1.42E-16
Rpl13	8.59E-21	-0.70672	0.6	0.972	1.54E-16
Ppia	2.24E-20	-0.6429	0.533	0.927	4.01E-16
Rps8	3.18E-20	-0.711	0.622	0.961	5.69E-16
Rps9	5.68E-20	-0.73341	0.478	0.888	1.02E-15
Rps2	6.19E-20	-0.75067	0.522	0.894	1.11E-15
Eif1	7.70E-20	-0.59679	0.7	0.971	1.38E-15

Cluster 18 - Tendon

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Thbs4	0	3.823931	1	0.019	0
Fmod	0	3.788457	1	0.013	0
Serpinf1	0	2.580386	0.989	0.051	0
Tnmd	0	1.860368	0.955	0.005	0
Cilp	0	1.721798	0.966	0.007	0
Kera	0	1.674469	0.764	0	0
Aebp1	0	1.624195	0.978	0.051	0
Cilp2	0	1.5759	0.82	0.001	0
Angptl7	0	1.532482	0.348	0.003	0
Comp	0	1.32689	0.427	0.003	0
Cpxm2	0	1.287962	0.753	0.016	0
Ptn	0	1.27052	0.652	0.016	0
Fbln1	0	1.266645	0.764	0.015	0
Scx	0	1.2277	0.708	0.004	0
Tnc	0	1.207727	0.809	0.003	0
Thbs2	0	1.177192	0.865	0.03	0
Mfap4	0	1.167497	0.573	0.002	0
Spon2	0	1.163427	0.596	0.012	0
Chad	0	1.160233	0.348	0	0
15000150:	0	1.15273	0.382	0.002	0
Fbln7	0	1.096929	0.787	0.013	0
Col12a1	0	1.074829	0.854	0.016	0
Itgbl1	0	1.051718	0.742	0.01	0
Col11a1	0	1.051105	0.764	0.005	0
Timp1	0	0.817843	0.494	0.008	0

Cluster 19 - Neutrophil

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
S100a9	0	5.02246	0.986	0.006	0
S100a8	0	4.658061	0.971	0.006	0
Il1b	0	3.036158	0.986	0.008	0
Cxcl2	0	2.856194	0.71	0.015	0
Tyrobp	0	2.498905	1	0.019	0
Wfdc17	0	2.331529	0.739	0.012	0
Retnlg	0	2.236484	0.71	0	0
Slpi	0	2.219229	0.884	0.002	0
Ifitm1	0	2.114768	0.841	0.023	0
Slc7a11	0	1.993541	0.957	0.002	0
Hdc	0	1.917693	0.957	0.006	0
Acod1	0	1.892645	0.87	0.001	0
Csf3r	0	1.858063	0.899	0.003	0
Fcer1g	0	1.832451	0.957	0.019	0
Cd52	0	1.804218	0.942	0.019	0
Ccl6	0	1.711678	0.841	0.013	0
Clec4e	0	1.675209	0.797	0.004	0
Ptpcr	0	1.616946	0.913	0.019	0
Tnfaip2	0	1.595585	0.884	0.027	0
Lcp1	0	1.58385	0.971	0.032	0
Il1r2	0	1.572105	0.783	0.005	0
Clec4d	0	1.540068	0.913	0.004	0
Clec7a	0	1.50974	0.783	0.007	0
Hp	0	1.434314	0.783	0.004	0
Plek	0	1.397545	0.826	0.017	0

Cluster 20 - T Cell

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Ccl5	0	3.35816	0.615	0.001	0
Gzma	0	2.532361	0.41	0	0
Nkg7	0	1.61424	0.641	0	0
Ptprc	0	1.574539	0.974	0.022	0
Ms4a4b	0	1.453077	0.949	0.001	0
Hcst	0	0.980437	0.744	0.008	0
Trbc2	0	0.95135	0.641	0	0
Txk	0	0.929683	0.641	0.001	0
Il2rb	0	0.836144	0.59	0	0
Klrd1	0	0.835206	0.538	0.001	0
Trbc1	0	0.82497	0.564	0	0
Cd3d	0	0.790473	0.513	0	0
Arhgap45	0	0.728252	0.744	0.012	0
Cd3g	0	0.667172	0.487	0	0
Lef1	0	0.666442	0.462	0.001	0
Ptpn22	0	0.665088	0.564	0.002	0
Gm4759	0	0.638212	0.615	0.002	0
Klrk1	0	0.612583	0.333	0.001	0
Tcf7	0	0.610501	0.462	0.003	0
Klra8	0	0.599118	0.231	0	0
Cd2	0	0.595787	0.538	0.003	0
Lck	0	0.568878	0.615	0.002	0
5830444F1	0	0.565655	0.513	0.003	0
Klra4	0	0.555946	0.231	0	0
Ifng	0	0.555946	0.282	0	0

Cluster 21 - B Cell

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Igkc	0	3.124537	1	0.001	0
Cd74	0	3.031994	1	0.022	0
Ighm	0	2.296448	1	0.013	0
Cd79a	0	2.100019	1	0.001	0
H2-Aa	0	1.994977	0.974	0.015	0
H2-Eb1	0	1.933533	0.947	0.018	0
H2-Ab1	0	1.866435	0.974	0.016	0
Ly6d	0	1.834476	0.842	0	0
Cd79b	0	1.634684	0.921	0.001	0
Iglc2	0	1.526262	0.842	0.001	0
Ms4a1	0	1.245216	0.921	0	0
Iglc1	0	1.088968	0.447	0	0
Ighd	0	1.071423	0.763	0.001	0
Ccr7	0	1.067782	0.684	0.002	0
Iglc3	0	1.006596	0.579	0	0
Fcmr	0	0.839646	0.632	0	0
Cd37	0	0.8301	0.684	0.008	0
Ralgps2	0	0.781104	0.789	0.009	0
Vpreb3	0	0.756759	0.474	0	0
Bank1	0	0.742357	0.526	0.002	0
Ltb	0	0.733654	0.605	0.007	0
Gm8369	0	0.730507	0.447	0.001	0
H2-Ob	0	0.716935	0.684	0.002	0
5830444F1	0	0.702265	0.526	0.003	0
Ptprcap	0	0.648607	0.553	0.003	0

Cluster 22 - Unknown

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Cldn1	0	1.3075	0.946	0.001	0
Klf5	0	1.190688	0.892	0.01	0
Lypd2	0	1.098508	0.73	0	0
Tenm2	0	0.920015	0.676	0.001	0
Wnt6	0	0.886497	0.676	0.002	0
Lgals7	0	0.854782	0.216	0	0
C2	0	0.790498	0.622	0.005	0
Krt19	0	0.745478	0.568	0	0
Cdh11	0	0.737381	0.622	0.007	0
Moxd1	0	0.622563	0.595	0.001	0
Slc6a13	0	0.576966	0.514	0.002	0
Hcn4	0	0.449004	0.297	0.001	0
Stra6	0	0.448691	0.27	0.001	0
Mpzl2	0	0.412975	0.324	0.001	0
Cldn22	0	0.377858	0.324	0	0
Dleu7	0	0.358749	0.351	0.001	0
Gjb5	0	0.358436	0.324	0.001	0
Egfl6	3.73E-306	0.411103	0.378	0.002	6.67E-302
Shisa3	4.91E-297	0.318201	0.351	0.002	8.77E-293
Itgb4	1.96E-288	1.195839	0.892	0.019	3.51E-284
Sfrp5	2.93E-278	2.059183	0.973	0.024	5.24E-274
Hmgcs2	6.52E-262	0.61127	0.568	0.008	1.16E-257
Il33	6.47E-255	0.811504	0.73	0.014	1.16E-250
Xpnpep2	2.10E-252	0.258512	0.297	0.002	3.75E-248
Ephb2	2.67E-252	0.258304	0.297	0.002	4.78E-248