Supplementary table for Fig. 3 - Gene list

Cluster1 genes

Gene	p-value(TE4 vs. TEKO)	Fold-Change(TE4 vs. TEKO)	p-value(TE3 vs. TEKO)	Fold-Change(TE3 vs. TEKO)	p-value(TE4 vs. TE3)	Fold-Change(TE4 vs. TE3)
C3	0.000286734	8.87861	0.00592385	4.43441	0.156134	2.00221
Itgax	3.79E-05	7.08751	0.000134588	5.63713	0.511113	1.25729
Clec7a	6.66E-05	5.8658	0.000364576	4.41143	0.393615	1.32968
Spp1	0.000272894	5.84727	0.00124633	4.40528	0.460726	1.32733
Ttr	0.104693	5.36415	0.0206483	12.3745	0.40363	-2.30689
Tgm1	0.00367816	5.10348	0.0108688	3.96883	0.603849	1.28589
Lilrb4	0.000832977	5.01903	0.00106445	4.78918	0.905322	1.04799
Ccl2	0.00257726	4.61509	0.00399253	4.2162	0.83394	1.09461
Cybb	0.000275197	4.46835	0.000316738	4.3685	0.94417	1.02286
MS4A7	2.59E-05	4.44211	0.0041743	2.32408	0.0204299	1.91134
Apoc1	0.000811979	4.21111	0.0174726	2.50774	0.152978	1.67925
Igf2	7.97E-05	3.98836	0.000926295	2.8897	0.231093	1.3802
CXCL10	0.00555341	3.97524	0.00606797	3.90253	0.966056	1.01863
Olfr110	0.000351799	3.80224	0.00160548	3.05474	0.463241	1.2447
LY9	0.00037548	3.54465	0.0129203	2.18717	0.102334	1.62066
Tlr2	0.000955715	3.48322	0.00171532	3.19132	0.777889	1.09147
CLEC4D	0.0101842	3.37793	0.0579011	2.34158	0.390463	1.44258
HPSE	0.000891077	3.36609	0.698905	1.12287	0.00198973	2.99775
LGALS3BP	0.000530733	3.33803	0.00058075	3.29711	0.964781	1.01241
Cd200r4	0.00750111	3.30819	0.278491	1.54601	0.0684163	2.13982
OAS2	0.0124411	3.14602	0.0130469	3.11628	0.98154	1.00954
Pon3	0.00247677	3.10836	0.00421061	2.86696	0.799419	1.0842
C4a	3.12E-05	3.0196	0.000531233	2.28602	0.160502	1.3209
Trem2	0.00267654	2.99493	0.0681331	1.82302	0.124984	1.64284
Gpnmb	0.0128005	2.99001	0.0856283	2.04101	0.340343	1.46497
5430435G22Rik	5.15E-05	2.98959	0.000522691	2.36507	0.250165	1.26406
Abca1	2.22E-05	2.97509	0.00454832	1.82298	0.0158727	1.63199
CD68	0.000170768	2.87562	0.00518484	2.00542	0.11115	1.43392
Ccl3	0.000103567	2.8627	0.000220048	2.64661	0.702309	1.08165
Enpp2	0.0842125	2.85126	0.0236686	4.16356	0.514121	-1.46025
BMP4	1.86E-05	2.78526	0.000312586	2.17103	0.155572	1.28292
Icam1	0.000908181	2.76822	0.0300311	1.808	0.105288	1.5311
CAPG	0.000454088	2.7649	0.000637332	2.66041	0.867953	1.03928
BMP7	7.71E-05	2.74408	0.00220416	1.9977	0.11157	1.37362
Lag3	0.00221503	2.72376	0.0165077	2.08377	0.340509	1.30713
BMP6	5.93E-05	2.71812	0.000694758	2.16186	0.225842	1.25731
Fam46c	0.000313953	2.6995	0.00163827	2.26582	0.424984	1.1914
Atf3	0.000105774	2.67215	0.00215025	2.00888	0.151254	1.33017
CTSH	0.000118221	2.63957	0.00378778	1.90527	0.104106	1.3854
C1qa	0.00114775	2.63877	0.00762914	2.10879	0.369423	1.25132
Cxcl16	0.000217873	2.62149	0.000426808	2.44959	0.738314	1.07018
C1qb	0.000721717	2.62148	0.00752679	2.01876	0.269039	1.29856
Msr1	0.00363131	2.6206	0.0202598	2.06808	0.410868	1.26717
C3ar1	0.000205102	2.61474	0.0014568	2.15499	0.343003	1.21334
FGR	0.000265245	2.5666	0.000846107	2.28645	0.570047	1.12252
Chi3l1	0.004955	2.51955	0.0406567	1.8759	0.310167	1.34311
Ccl6	0.000303617	2.5047	9.44E-05	2.81942	0.556369	-1.12565
CD63	1.75E-05	2.46864	0.000311009	1.97484	0.147616	1.25005
Tlr1	0.000706699	2.43644	0.00496483	1.99409	0.354769	1.22183
C1qc	0.00107925	2.41231	0.0095482	1.91174	0.303392	1.26184
Ccl4	0.00228675	2.40411	0.00982673	2.02761	0.48733	1.18569
Ptgds	0.00214004	2.40119	0.0282601	1.77668	0.222655	1.3515
Slc4a2	0.0150478	2.39834	0.0143909	2.41536	0.982595	-1.0071
Dab2	0.000363547	2.38127	0.0156353	1.67653	0.0839727	1.42036
Fcrls	0.000110228	2.37674	0.0229525	1.52607	0.0180102	1.55743
A430107D22Rik	4.60E-05	2.37189	0.000224063	2.08938	0.419621	1.13521
Spint1	0.00214942	2.36756	0.00332571	2.25296	0.834305	1.05086
Ctsd	0.000383067	2.36305	0.00364866	1.91567	0.284252	1.23354
GPR65	0.00162424	2.35631	0.00466854	2.10005	0.613988	1.12202
Dap12	0.000740309	2.30587	0.00334235	1.99213	0.471325	1.15749
Socs3	0.0389851	2.29325	0.0732809	2.02727	0.741547	1.1312
IRF8	0.000244689	2.27791	0.00140576	1.9602	0.397147	1.16208
CD206	0.00072299	2.24849	0.133948	1.35429	0.0182408	1.66027
Mmp2	5.87E-05	2.24404	0.000284317	1.99	0.424653	1.12766
Fer1l3	0.000186548	2.23522	0.00671865	1.67209	0.0963672	1.33678
B2M	0.00335582	2.23514	0.00563783	2.10823	0.803741	1.0602
CTSZ	0.000391842	2.21959	0.00293068	1.8645	0.336761	1.19044
Ctss	0.00166101	2.21932	0.00958824	1.85648	0.405335	1.19545
Fcgr1	0.0066961	2.21054	0.0158542	1.98586	0.677048	1.11314
Il21r	0.000873532	2.17075	0.0426993	1.51382	0.0734055	1.43396
CYBA	0.00026293	2.13956	0.00437734	1.71198	0.184954	1.24976
Gpx3	0.001159	2.13576	0.0262362	1.59629	0.145664	1.33796
Cd86	0.00174124	2.12767	0.0192936	1.68304	0.256365	1.26418
Apod	0.000556001	2.11736	0.00563578	1.74172	0.273783	1.21567
Tgfbr2	6.33E-05	2.11617	0.00129526	1.71543	0.145626	1.23361
Ltc4s	0.00958434	2.09123	0.0311035	1.80634	0.564563	1.15772
Igf1	0.0017452	2.08545	0.0452845	1.52565	0.126973	1.36693
CD69	0.0325795	2.08285	0.00179638	3.25284	0.173041	-1.56172
Hmox1	0.000158387	2.07054	0.000827397	1.83393	0.417555	1.12902
Tspo	0.000332244	2.06361	0.000122374	2.23596	0.61629	-1.08352
Tmem86a	0.000499745	2.06351	0.0146472	1.572	0.11791	1.31267
Siglec1	0.00415166	2.06173	0.0538755	1.56554	0.218332	1.31694
CDKN1A	0.00243239	2.04158	0.00259913	2.02866	0.974628	1.00637
SLAMF1	0.0171849	2.02499	0.264456	1.35715	0.149519	1.49209

Tlr7	0.00184507	2.02436	0.00391615	1.89009	0.718684	1.07104
RSAD2	0.0551406	2.02434	0.0307538	2.24481	0.764693	-1.10891
Pycard	0.000679551	2.02404	0.528389	1.11264	0.00252862	1.81913
CD9	0.000365846	2.01809	0.00135326	1.82661	0.525971	1.10482
Csf3r	0.00737637	2.01609	0.0521987	1.61211	0.339101	1.25059
Kl	0.195574	1.96842	0.0391893	3.09386	0.380021	-1.57174
NFKB2	0.00200614	1.95959	0.0110475	1.68611	0.417529	1.16219
Ebf3	0.0128057	1.95857	0.0120304	1.97302	0.975766	-1.00738
Ccl5	0.118813	1.95163	0.0318324	2.60262	0.487268	-1.33356
LAPTM5	0.00206176	1.9396	0.0200673	1.5895	0.28149	1.22026
Cd14	3.09E-05	1.93908	0.000261986	1.70769	0.277848	1.13549
Adap2	0.000133224	1.93527	0.00241059	1.60388	0.168251	1.20662
LGALS1	1.06E-05	1.93147	0.000297241	1.60956	0.0933221	1.2
Gusb	0.000337011	1.92832	0.00870158	1.53576	0.130524	1.25561
P2ry6	0.000647989	1.90704	0.0019214	1.75945	0.600488	1.08389
CD300LB	0.00734678	1.90111	0.0206673	1.70959	0.616077	1.11202
Axl	0.000114575	1.90043	0.00047961	1.73554	0.47633	1.09501
Cfb	0.0407151	1.89385	0.00184095	2.93318	0.145844	-1.54879
Cmklr1	0.000199631	1.88399	0.000401843	1.79921	0.727656	1.04712
Il1rl2	0.00139448	1.85051	0.0550399	1.38754	0.0873708	1.33366
F11r	0.00141794	1.84164	0.00353139	1.71757	0.662259	1.07224
Hvcn1	0.00503529	1.83163	0.0926663	1.39253	0.157826	1.31533
SREBP1	6.83E-05	1.82063	0.0109575	1.37658	0.0227169	1.32258
ANXA5	9.85E-05	1.80876	0.00522158	1.44596	0.066106	1.25091
Rgs1	0.143023	1.8067	0.103293	1.94224	0.852607	-1.07502
Ctsl	0.00125585	1.80021	0.00508893	1.62658	0.504859	1.10674
Ch25h	0.0645603	1.79863	0.53869	1.2034	0.192183	1.49462
Trim47	0.000544303	1.79478	0.0305616	1.37608	0.0655351	1.30427
Ccrl2	0.00443922	1.79222	0.14111	1.31137	0.0935903	1.36668
Pros1	0.000241266	1.78049	0.000963522	1.63773	0.498848	1.08717
Liph	0.0563535	1.7804	0.193833	1.46149	0.490053	1.21821
CD163	0.017119	1.7706	0.316527	1.24715	0.12093	1.41971
PLD4	0.00370087	1.76806	0.0147905	1.57945	0.507172	1.11942
Ang	0.00477251	1.73744	0.0241039	1.52011	0.435988	1.14297
Mafb	0.00154446	1.73381	0.0275708	1.41617	0.176307	1.2243
Itgb5	0.000574421	1.72311	0.00666668	1.48247	0.248062	1.16233
Tgfb1	0.0021284	1.72207	0.0752716	1.32389	0.0934589	1.30076
Hpgds	0.00424833	1.72044	0.0505567	1.40873	0.234066	1.22127
Tlr4	0.000537548	1.71729	0.00391061	1.52263	0.345208	1.12785
Gbgt1	0.00179431	1.71115	0.212024	1.20318	0.0253775	1.4222
Grn	0.00475521	1.70734	0.0108415	1.59954	0.692198	1.06739
Il1a	0.0105807	1.70645	0.213578	1.26848	0.126065	1.34527
Il10ra	0.0083719	1.699	0.12043	1.3333	0.185576	1.27428
Abi3	0.00305255	1.6926	0.0905764	1.30986	0.106398	1.2922
1810011O10Rik	0.00189518	1.69168	0.00880924	1.52321	0.464794	1.1106
CD200R	0.00154576	1.68706	0.0537894	1.32793	0.0977092	1.27044
Csf1	0.00045447	1.6848	0.00558169	1.45891	0.236898	1.15484
IFIT2	0.057961	1.68443	0.0123667	2.05826	0.442348	-1.22193
Il10rb	0.00015099	1.67843	0.0104613	1.35177	0.053042	1.24166
Il1b	0.0825819	1.67016	0.148784	1.5215	0.73999	1.0977
Inpp5d	0.00645653	1.66329	0.0810557	1.35129	0.216342	1.2309
Mr1	0.0032538	1.64723	0.0169234	1.46746	0.430974	1.1225
ERBB2	0.000597599	1.64317	0.00588972	1.44473	0.279676	1.13736
Cst7	0.00677717	1.63612	0.0193075	1.50854	0.612457	1.08457
Stab1	0.00019195 1	1.63442	0.865162	-1.01747	0.000137313	1.66297
Tspan4	0.00649135	1.62326	0.0361208	1.4233	0.404872	1.14049
Lair1	0.00971622	1.6049	0.033374	1.45387	0.545473	1.10388
Hexb	0.00683149	1.60434	0.103761	1.29861	0.181414	1.23543
Cfh	0.0524615	1.60189	0.058918	1.57985	0.95144	1.01395
Tagap	0.0156787	1.59391	0.0118943	1.63172	0.892864	-1.02372
FXYD5	0.000183754	1.5915	0.300161	1.10659	0.00157297	1.4382
Cx3cr1	0.00725037	1.58923	0.178324	1.23456	0.111237	1.28728
CCL7	0.0930704	1.58743	0.465354	1.21291	0.312851	1.30878
Havcr2	0.0138078	1.58602	0.0946271	1.34344	0.331705	1.18056
Abcc3	0.0130379	1.58197	0.379937	1.15878	0.0752937	1.3652
ANPEP	0.0118915	1.57704	0.334999	1.17186	0.0818368	1.34576
Fcgrt	7.95E-05	1.57472	0.00262962	1.35653	0.0987003	1.16084
Olfml3	0.0193331	1.55738	0.249704	1.22448	0.175478	1.27187
Tlr3	0.00259409	1.53543	0.00105328	1.61815	0.665293	-1.05388
Sparc	0.00244266	1.51311	0.0318146	1.30952	0.22401	1.15546
Slc12a2	0.0171272	1.51231	0.0442859	1.40329	0.63484	1.07769
Fgd2	0.0388163	1.50153	0.502551	1.13127	0.135616	1.3273
St3gal6	8.79E-05	1.49458	0.0124309	1.23988	0.0261365	1.20543
Csf1r	0.00429939	1.48802	0.0412684	1.30223	0.277294	1.14267
LAMP2a	0.000725014	1.4772	0.001095	1.44973	0.841391	1.01895
ADAM17	0.000435741	1.47669	0.00158127	1.39708	0.533253	1.05699
Nlrp3	0.0041462	1.4723	0.153858	1.18772	0.0803472	1.23961
Manba	3.15E-05	1.46569	0.155248	1.10261	0.00055913	1.32928
Ptgfrn	0.015974	1.45589	0.0256066	1.40889	0.815721	1.03336
TMEM51	0.00199614	1.45371	0.226738	1.13463	0.0258323	1.28123
Tfeb	0.00284175	1.44963	0.0265805	1.2922	0.287538	1.12183
Cysltr1	0.0731667	1.44859	0.0475526	1.51445	0.820317	-1.04546
Itga6	0.000423056	1.44784	0.0542818	1.18731	0.0291077	1.21943
Serpinf1	0.0033105	1.447	0.0766086	1.22323	0.13372	1.18293
Pmp22	0.0111501	1.44122	0.333878	1.13444	0.0775909	1.27042

Tlr6	0.0135153	1.43931	0.0631653	1.29845	0.441082	1.10849
Cxcr4	0.0324996	1.43558	0.26609	1.19397	0.248455	1.20236
Bco2	0.0043644	1.42889	0.0298622	1.29103	0.355709	1.10678
Gpr84	0.145503	1.42842	0.368811	1.24009	0.551746	1.15187
Lgmn	0.00914399	1.42641	0.0782458	1.25162	0.288356	1.13965
Adora3	0.084571	1.42499	0.252148	1.25657	0.521791	1.13403
Blnk	0.00752909	1.41892	0.048937	1.27501	0.360516	1.11287
Siglec3 (CD33)	0.0465529	1.41877	0.691468	1.06742	0.097992	1.32915
Gas6	0.0198621	1.41218	0.054203	1.31867	0.612463	1.07092
Npl	0.0150374	1.40901	0.0877076	1.25632	0.373014	1.12154
Gpr34	0.00982046	1.40114	0.333714	1.12073	0.0692519	1.2502
P2ry13	0.0316398	1.39463	0.944257	1.01003	0.0363205	1.38078
Rasgrp3	0.0587854	1.391	0.781616	1.0466	0.0982521	1.32907
Adamts1	0.0704261	1.39022	0.0961146	1.35031	0.865578	1.02956
Slco2b1	0.00873572	1.38997	0.0568831	1.25287	0.357034	1.10943
STAT3	0.00236719	1.38403	0.00484941	1.34162	0.731504	1.03161
Eya4	0.0141997	1.3789	0.0500869	1.27993	0.52998	1.07732
Gpr37l1	0.000269897	1.37177	0.054454	1.1497	0.0185222	1.19316
Rab3il1	0.00525522	1.36457	0.253158	1.11991	0.0557758	1.21846
Cd83	0.00322685	1.36384	0.0065555	1.32267	0.734354	1.03113
Mertk	0.000452109	1.36269	0.000682225	1.34346	0.840231	1.01431
Tgfbr1	0.00372604	1.36257	0.00124674	1.42993	0.600578	-1.04944
Myd88	0.028363	1.35365	0.0675326	1.27887	0.655462	1.05847
Plxdc2	0.00167208	1.3514	0.0268621	1.21335	0.191764	1.11377
P2rx7	0.0161104	1.35127	0.1879	1.16559	0.203078	1.1593
CTSB	0.000615649	1.34038	0.0239396	1.18604	0.0918311	1.13013
Leprel1	0.0124715	1.33257	0.0452025	1.24735	0.523548	1.06831
Itga9	0.0449618	1.32927	0.409932	1.11662	0.200281	1.19044
Slc46a1	0.0198222	1.32605	0.0672446	1.23807	0.535506	1.07106
Gpr56	0.000702532	1.32443	0.48092	1.04898	0.00306546	1.26259
Cst3	0.00112004	1.31443	0.0518518	1.15461	0.0761673	1.13842
IL6ST	0.000405796	1.31133	0.099318	1.11107	0.0144646	1.18024
Serpine2	0.00171798	1.30772	0.0988004	1.13203	0.0585665	1.15519
Lrrc3	0.0569794	1.30697	0.330273	1.13956	0.307787	1.14691
Olfr920	0.15494	1.30427	0.0727751	1.40812	0.671916	-1.07962
Entpd1	0.0109413	1.30312	0.208632	1.12733	0.133016	1.15593
X99384	0.0441306	1.30245	0.303451	1.13673	0.275575	1.14579
Flt1	0.0050014	1.30086	0.683771	-1.03381	0.00213364	1.34484
Igfbp5	0.00150321	1.29904	0.143954	1.10978	0.0341321	1.17054
Epb4.1l2	0.00493596	1.28602	0.0445914	1.1823	0.288432	1.08773
Lmo2	0.0185529	1.28595	0.106644	1.17764	0.370288	1.09197
Eng	0.0141072	1.28512	0.847737	1.01781	0.020859	1.26264
Ttc28	0.00573946	1.28117	0.0949876	1.14704	0.171344	1.11694
Sall1	0.0207205	1.27141	0.431618	1.07797	0.0959298	1.17944
Siglech	0.11154	1.26682	0.66396	1.06395	0.231293	1.19068
MAP3K8	0.0592244	1.25518	0.0617134	1.2521	0.982643	1.00247
Bach1	0.0127456	1.25289	0.530457	1.05255	0.0451835	1.19034
Ccr5	0.134763	1.25009	0.91652	1.01517	0.161089	1.23142
Nfkb1	0.00260448	1.24389	0.0108889	1.19232	0.495137	1.04325
Myc	0.113398	1.23441	0.156069	1.20569	0.853455	1.02382
9030625A04Rik	0.102726	1.23414	0.218494	1.16822	0.65673	1.05643
Spata13	0.249399	1.23284	0.190838	1.27038	0.865934	-1.03046
Ly96	0.013876	1.22791	0.175135	1.11063	0.193406	1.1056
Ptgs1	0.125735	1.2214	0.401103	1.11248	0.46058	1.09791
cathepsin	0.0562379	1.19136	0.0975127	1.16133	0.76704	1.02586
Sult1a1	0.328743	1.1892	0.108475	1.34039	0.496298	-1.12714
Scarb2	0.0178329	1.18804	0.354761	1.06381	0.108803	1.11678
Cux1	0.0413345	1.1793	0.408681	1.06484	0.187382	1.10749
Tmem119	0.211704	1.17383	0.770403	-1.03719	0.130057	1.21748
Cttnbp2nl	0.0153418	1.17061	0.233433	1.07413	0.156077	1.08982
Ppfia4	0.0839769	1.1683	0.327309	1.08883	0.415023	1.07299
Sema4d	0.0428125	1.16746	0.319694	1.07466	0.254885	1.08635
H2-Oa	0.617205	1.16598	0.0944273	1.71116	0.221704	-1.46757
Ppp1r15a	0.101171	1.16508	0.370484	1.08412	0.423293	1.07467
Jam2	0.0300432	1.16441	0.40056	1.0565	0.146565	1.10215
Pla2g15	0.020544	1.15957	0.14467	1.09199	0.310272	1.06189
Sall3	0.118385	1.13574	0.0231138	1.21455	0.396373	-1.06939
SLC2A1	0.0960429	1.11775	0.0048151	1.23016	0.147183	-1.10056
Fgfr1	0.136692	1.11581	0.163686	1.10745	0.915489	1.00755
Gal3st4	0.687216	1.09531	0.745125	-1.07619	0.469741	1.17877
Lrrc8a	0.224626	1.07963	0.0376645	1.14787	0.327013	-1.06321
RHOA	0.329269	1.07073	0.903039	1.00843	0.390402	1.06178
Arhgap22	0.417861	1.0635	0.868842	1.01249	0.516077	1.05038
C5aR	0.737144	1.06094	0.600151	1.09707	0.849108	-1.03405
Slco1a4	0.732857	1.05758	0.838556	1.03394	0.890178	1.02287
Slc1a3	0.444107	1.04961	0.329762	1.06401	0.827841	-1.01373
Ecscr	0.889425	1.0167	0.492379	-1.08591	0.411307	1.10404
Pde3b	0.927551	1.0067	0.854662	1.01354	0.926439	-1.0068
MAPT	0.000724615	-1.3489	0.00384783	-1.27306	0.426034	-1.05957

Cluster2 genes

Column ID	p-value(TE4 vs. TEKO)	Fold-Change(TE4 vs. TEKO)	p-value(TE3 vs. TEKO)	Fold-Change(TE3 vs. TEKO)	p-value(TE4 vs. TE3)	Fold-Change(TE4 vs. TE3)
LDLR	0.000309098	-2.20786	0.0419929	-1.45934	0.0278378	-1.51291
Map2k1	1.17E-05	-1.79942	0.00514887	-1.34943	0.00671779	-1.33347
D3Bwg0562e	0.000377384	-1.7616	0.0390087	-1.32441	0.0364987	-1.3301
Dagla	0.0160244	-1.75968	0.320559	-1.23858	0.112473	-1.42072
Grm1	0.00361961	-1.73829	0.119596	-1.30346	0.0931706	-1.33359
Unc13a	0.000320395	-1.72431	0.0165937	-1.37237	0.0708561	-1.25645
Slc24a3	0.000669001	-1.70408	0.0575621	-1.29256	0.0426511	-1.31838
Large	3.74E-05	-1.66955	0.00483476	-1.34133	0.0264338	-1.2447
Rapgef5	0.000249838	-1.66364	0.0312408	-1.28886	0.0304043	-1.29078
SREBP2	1.00E-05	-1.66002	0.00154109	-1.35126	0.0185944	-1.2285
Npnt	0.034942	-1.6563	0.368276	-1.2237	0.184523	-1.35352
Rilpl1	0.00184089	-1.60806	0.113198	-1.23589	0.0539593	-1.30114
Ppp1r9a	0.000364812	-1.56777	0.0108982	-1.33039	0.115568	-1.17843
Csmd3	5.66E-06	-1.56545	0.000188623	-1.37989	0.0735489	-1.13448
Plxna4	0.0147924	-1.564	0.162053	-1.26986	0.219132	-1.23163
Fabp3	1.66E-06	-1.52556	0.0138874	-1.1678	0.000235166	-1.30636
Sez6l	0.000776023	-1.52445	0.0214607	-1.29411	0.123707	-1.17799
Khdrbs3	5.95E-05	-1.51621	0.00680801	-1.267	0.0310788	-1.19669
Synj1	0.000137696	-1.51136	0.00265141	-1.34009	0.160332	-1.1278
Gas7	3.08E-05	-1.50796	0.00101526	-1.32905	0.091214	-1.13461
Abi1	0.000759877	-1.4943	0.0737562	-1.20139	0.037216	-1.24381
Basp1	0.000872711	-1.48858	0.0108038	-1.32247	0.237165	-1.1256
RAP2B	0.00182829	-1.48087	0.0443958	-1.25621	0.134356	-1.17884
Epn2	0.00560626	-1.47269	0.13998	-1.20533	0.115293	-1.22181
Gpm6a	4.15E-05	-1.46094	0.000845295	-1.31788	0.141591	-1.10856
Gnaq	0.00100751	-1.45335	0.0935013	-1.17887	0.0377851	-1.23284
Chst7	0.0187761	-1.45333	0.591725	-1.08089	0.0544581	-1.34457
Snn	0.000433403	-1.44825	0.277766	-1.09739	0.00427924	-1.31972
Rtn1	0.000555095	-1.43555	0.00667577	-1.2976	0.241466	-1.10631
Nrip1	0.00121648	-1.42417	0.0897655	-1.17502	0.0471374	-1.21204
Napg	3.67E-05	-1.42091	0.00335484	-1.23585	0.0366758	-1.14975
Erf	0.035313	-1.41375	0.0897666	-1.31192	0.624739	-1.07762
Arhgap12	0.0902892	-1.41214	0.548807	-1.12403	0.249833	-1.25632
Chl1	0.000259822	-1.41021	0.0214969	-1.20423	0.0455764	-1.17105
Rtn4rl1	0.014493	-1.40067	0.0887013	-1.24854	0.360689	-1.12184
Mras	0.000114326	-1.39683	0.00612844	-1.2288	0.0660625	-1.13675
BCL6	0.0387266	-1.39105	0.806574	1.03698	0.02381	-1.44249
Mef2d	0.00709755	-1.38995	0.109318	-1.19716	0.178192	-1.16104
Rap1gds1	1.53E-05	-1.38545	0.000709039	-1.24726	0.0618972	-1.11079
Tppp	9.02E-05	-1.38445	0.0047738	-1.2255	0.065819	-1.12971
IL34	0.00586911	-1.38183	0.0212315	-1.29608	0.534749	-1.06615
Camk2n1	0.0115914	-1.37813	0.077941	-1.23511	0.341765	-1.1158
Ptprz1	3.31E-06	-1.37454	0.00103682	-1.19757	0.00731958	-1.14778
Scamp5	3.08E-05	-1.36993	0.00238817	-1.21591	0.0418833	-1.12667
Smad3	0.00445527	-1.36731	0.0499482	-1.22086	0.244895	-1.11995
BMP1	0.147769	-1.35689	0.538243	-1.13424	0.384251	-1.1963
D18Ertd653e	0.00597876	-1.35649	0.119027	-1.17069	0.14308	-1.15871
Rock2	0.00242534	-1.35451	0.0451077	-1.19994	0.166824	-1.12882
Slc2a3	0.0237989	-1.3482	0.0841058	-1.24582	0.516283	-1.08218
Lrp12	0.021046	-1.34804	0.231607	-1.15546	0.203356	-1.16667
Rab6b	0.000582272	-1.34562	0.0113065	-1.21821	0.166435	-1.10458
Beclin	6.06E-05	-1.33923	0.0112761	-1.16561	0.0194568	-1.14895
Tanc2	0.000240713	-1.33145	0.00181253	-1.25381	0.331113	-1.06193
Abhd6	0.0203293	-1.33078	0.263197	-1.13661	0.172714	-1.17083
Sesn1	0.0119296	-1.33013	0.162884	-1.15766	0.184165	-1.14899
Ptms	0.00405366	-1.32395	0.0646758	-1.17955	0.183485	-1.12242
Jarid2	0.00329558	-1.32391	0.0630673	-1.17519	0.159103	-1.12655
TPP2	1.83E-05	-1.31958	0.0110245	-1.13939	0.00526059	-1.15815
Spire1	0.00015093	-1.31943	0.00296569	-1.21571	0.15846	-1.08532
Acvr1	0.0139155	-1.31895	0.498335	-1.07145	0.0541069	-1.23099
SRB1	0.0355211	-1.31641	0.349395	-1.12181	0.19886	-1.17347
Rgmb	0.000915205	-1.31527	0.0105104	-1.21475	0.250921	-1.08275
Tmem144	0.040583	-1.31451	0.365015	-1.12074	0.210949	-1.17289
Usp2	0.017113	-1.31186	0.197447	-1.14634	0.202793	-1.14439
Zmynd8	0.00547592	-1.29447	0.0895581	-1.15548	0.174176	-1.12029
Ahcyl1	0.000188001	-1.29274	0.0035149	-1.19813	0.166579	-1.07897
Gmfb	0.000461084	-1.28941	0.00578603	-1.20122	0.233176	-1.07342
Gtf2h2	0.00225717	-1.27351	0.0842068	-1.12942	0.0880739	-1.12757
Sv2a	0.000550415	-1.27056	0.00551338	-1.19423	0.276095	-1.06392
Gapdh	1.65E-05	-1.2692	0.00346613	-1.14206	0.0147904	-1.11133
Omg	0.000319997	-1.26408	0.00178414	-1.21083	0.407494	-1.04397
Tspan7	0.000772125	-1.26113	0.00331735	-1.21233	0.485902	-1.04025
Mapk14	0.00468377	-1.26093	0.120989	-1.12173	0.114847	-1.1241
Psd	0.0688879	-1.25991	0.761995	-1.03703	0.119469	-1.21492
Ap3d1	0.00166954	-1.24506	0.0189102	-1.16287	0.252336	-1.07068
Flot1	0.00222343	-1.23453	0.00502224	-1.20677	0.69678	-1.023

Mecp2	0.00866455	-1.23064	0.0428657	-1.16437	0.433546	-1.05691
ATG12	0.00556503	-1.22866	0.0580137	-1.13961	0.255815	-1.07814
Gpm6b	0.00441703	-1.22781	0.0433902	-1.14487	0.271992	-1.07244
Scoc	2.81E-05	-1.2274	0.0122629	-1.10351	0.00770951	-1.11226
Cltc	2.89E-05	-1.22654	0.00203164	-1.13747	0.0455743	-1.07831
Polr2b	0.000471957	-1.21591	0.0393743	-1.10433	0.044849	-1.10103
Cbr1	3.85E-05	-1.21114	0.0028922	-1.12568	0.0442517	-1.07591
B4galt4	0.0134554	-1.21006	0.318843	-1.07273	0.0972031	-1.12802
Ophn1	0.0119576	-1.20467	0.127318	-1.11087	0.232462	-1.08443
Eps15l1	0.00132337	-1.20399	0.0101143	-1.14884	0.336048	-1.048
Nr3c1	0.00820336	-1.20236	0.0164712	-1.17755	0.735349	-1.02107
Apbb2	0.030459	-1.19613	0.0898952	-1.14556	0.572984	-1.04414
Dnajb4	0.0203775	-1.19518	0.168421	-1.10463	0.269789	-1.08198
Kcnd1	0.148208	-1.18866	0.709567	-1.04397	0.270221	-1.13859
Asph	0.00231449	-1.18759	0.0305738	-1.11862	0.221971	-1.06166
Extl3	0.000526888	-1.18673	0.00705351	-1.12928	0.222572	-1.05087
TARDBP	0.00279937	-1.18582	0.0406609	-1.11291	0.203787	-1.06551
Map3k7	0.000538797	-1.18502	0.0147371	-1.1127	0.125135	-1.06499
Exoc1	0.0112484	-1.18386	0.0954048	-1.10958	0.284834	-1.06695
Mcoln1	0.00681781	-1.18241	0.0102804	-1.16974	0.843021	-1.01083
Pitpnm1	0.0336495	-1.18222	0.371961	-1.06811	0.176709	-1.10683
Vta1	0.00150016	-1.18122	0.0141493	-1.12674	0.289394	-1.04836
Hprt1	0.011421	-1.17936	0.0948105	-1.10749	0.28947	-1.06489
Sec22b	0.00136725	-1.1752	0.140521	-1.0662	0.0320661	-1.10223
EFNB1	0.0981734	-1.17118	0.233214	-1.11774	0.609824	-1.04781
Pik3r4	0.00622924	-1.17082	0.223534	-1.06502	0.0755792	-1.09934
Golga3	0.0029854	-1.16262	0.0546442	-1.09284	0.166794	-1.06385
Agpat3	0.00670962	-1.15257	0.0573559	-1.09748	0.295493	-1.0502
Bin1	0.0735039	-1.15177	0.238045	-1.09443	0.497444	-1.05239
Ncam1	0.000156102	-1.14987	0.000377163	-1.13554	0.659526	-1.01261
Sbf2	0.0399233	-1.14474	0.263172	-1.07236	0.294203	-1.0675
Snx24	0.0728218	-1.14205	0.747774	-1.02281	0.130041	-1.11659
Rbbp9	0.0160783	-1.13682	0.0688279	-1.09713	0.463962	-1.03618
Gnas	0.00960942	-1.12375	0.0652838	-1.08136	0.343819	-1.0392
Il18	0.111431	-1.11969	0.0831798	-1.1321	0.871293	1.01108
Abhd12	0.0379614	-1.1192	0.254892	-1.06033	0.292116	-1.05552
ADAM10	0.0157234	-1.11919	0.117208	-1.07117	0.305692	-1.04484
Rhob	0.251952	-1.11406	0.99404	1.00069	0.249074	-1.11483
Rptor	0.213204	-1.08844	0.140056	-1.1069	0.799885	1.01696
Jmy	0.41188	-1.07099	0.53211	-1.05334	0.840685	-1.01676
Nav2	0.347778	-1.05155	0.772545	1.01538	0.22566	-1.06772
Acp2	0.39164	-1.03381	0.362765	-1.03601	0.955626	1.00213

GeneGo pathway analysis for cluster1 and cluster2 microglial genes - Top 15 pathways

Cluster1 gene pathways	Genes in data
Immune response_Alternative complement pathway	C3b, C5aR, Factor Bb, C3aR, C3 convertase (C3bBb), iC3b, Factor H, C3a, Factor B, C3, C5 convertase (C3b2Bb), Factor Ba
Immune response_IL-10 signaling pathway	STAT3, IL-1 alpha, IL10RA, ICAM1, IL-1 beta, CD86, Heme oxygenase 1, IL10RB, Fc gamma RI, SOCS3, NF-kB, CD14, SHIP, IL-10 receptor, NF-kB1 (p50)
Immune response_HSP60 and HSP70/ TLR signaling pathway	CD69, CD83, TLR4, ICAM1, MyD88, IL-1 beta, CD86, NF-kB, TLR2, TPL2(MAP3K8), CD14, NF-kB1 (p105), MD-2
Th17 cells in CF	STAT3, TLR4, ICAM1, MyD88, IL-1 beta, CD86, NF-kB, TGF-beta 1, TGF-beta receptor type I, CD14, TGF-beta receptor type II, MD-2
Immune response_Classical complement pathway	C3b, C5aR, C4, C3aR, iC3b, C1q, C3dg, C3a, C3, C4a, C3c, C4b
Protein folding and maturation_Angiotensin system maturation	Angiotensin II, Angiotensin IV, Angiotensin I, Angiotensin III, Cathepsin D, Angiotensin (2-10), CD13, Angiotensin (1-7), Angiotensinogen, Angiotensin (1-9)
Immune response_TLR2 and TLR4 signaling pathways	TLR4, MyD88, IL-1 beta, TLR1, NF-kB, TLR2, TPL2(MAP3K8), CD14, NF-kB1 (p105), TLR6, MD-2
NALP3 inflammasome activation in age-related macular degeneration (AMD)	CARD5, IL-1 alpha, IL-1 beta, C1q, P2X7, NF-kB, Cathepsin B, TLR2, NALP3
Signal transduction_NF-kB activation pathways	IL-1 alpha, NF-kB2 (p100), TLR4, MyD88, IL-1 beta, NF-kB2 (p52), NF-kB, TLR2, NF-kB1 (p105), NF-kB1 (p50)
Immune response_T regulatory cell-mediated modulation of antigen-presenting cell function	CCL5, NF-kB2 (p100), ICAM1, IRF8, LAG3, DAB2, CCR5, CD86, NF-kB2 (p52), NF-kB, ENP1
Immune response_Bacterial infections in normal airways	TLR4, MyD88, IL-1 beta, TLR1, NF-kB, TLR2, CD14, MD-2
PDE4 regulation of cyto/chemokine expression in arthritis	CCL5, NF-kB p50/p50, IL-1 alpha, IL-1 beta, CCL2, MIP-1-beta, IP10, CUX1, NF-kB1 (p50)
Development_Cytokine-mediated regulation of megakaryopoiesis	MafB, p21, STAT3, IL-1 alpha, IL-1 beta, CXCR4, NF-kB, c-Myc, gp130
Immune response_C3a signaling	CCL5, RhoA, IL-1 beta, CCL2, CD86, C3aR, TGF-beta 1, C3a
Rheumatoid arthritis (general schema)	TLR4, ICAM1, IL-1 beta, CD86, Fc gamma RI, TLR2, TGF-beta, CSF1

Cluster2 gene Pathways	Genes In Data
Immune response_Gastrin in inflammatory response	p38alpha (MAPK14), MEF2D, G-protein alpha-q/11, MEF2, G-protein alpha-q, TAK1(MAP3K7), MEK1(MAP2K1)
Development_G-protein-mediated regulation of MAPK-ERK signaling	MR-GEF, G-protein alpha-s, GMF, G-protein alpha-q/11, MEK1(MAP2K1), M-Ras
G-protein signaling_G-Protein alpha-12 signaling pathway	ROCK, p38 MAPK, MR-GEF, MEK1(MAP2K1), M-Ras
G-protein signaling_Rap2B regulation pathway	RAP-2B, MR-GEF, M-Ras
Development_Differentiation of white adipocytes	MEK1/2, p38alpha (MAPK14), RIP140, TAK1(MAP3K7), MEK1(MAP2K1)
Cytoskeleton remodeling_Cytoskeleton remodeling	ROCK, ROCK2, SMAD3, p38 MAPK, TAK1(MAP3K7), MEK1(MAP2K1)
Transcription_PPAR Pathway	p38alpha (MAPK14), p38 MAPK, G-protein alpha-s, TAK1(MAP3K7), MEK1(MAP2K1)
Development_Role of IL-8 in angiogenesis	LDLR, SREBP2 (nuclear), SREBP2 precursor, SREBP2 (Golgi membrane), MEK1(MAP2K1)
Reproduction_Gonadotropin-releasing hormone (GnRH) signaling	p38alpha (MAPK14), MEF2D, G-protein alpha-s, G-protein alpha-q/11, MEK1(MAP2K1)
Regulation of lipid metabolism_Stimulation of Arachidonic acid production by ACM receptors	DGL-alpha, ADAM10, p38 MAPK, G-protein alpha-q, MEK1(MAP2K1)
Regulation of lipid metabolism_Regulation of lipid metabolism via LXR, NF-Y and SREBP	LDLR, SREBP2 (nuclear), SREBP2 precursor, SREBP2 (Golgi membrane)
G-protein signaling_Rap1A regulation pathway	Rap1GDS1, MR-GEF, G-protein alpha-s, M-Ras
Apoptosis and survival_Anti-apoptotic action of Gastrin	ROCK, G-protein alpha-q/11, G-protein alpha-q, MEK1(MAP2K1)
G-protein signaling_Rap2A regulation pathway	MR-GEF, G-protein alpha-s, M-Ras
G-protein signaling_Regulation of Cyclic AMP levels by ACM	RAP-2B, G-protein alpha-s, G-protein alpha-q/11, G-protein alpha-q