Supplemental Table 6. Gene Expression Fold Change in Melanocytes of control vs m28 treated tumors

gene_name	p_val	avg_log2FC	pct.1	pct.2	p_val_adj	cluster	gene	pct.diff
Selenbp1	5.9056E-107	1.24329306	0.522	0.263	1.8339E-102	CTRL	Selenbp1	0.259
Pafah1b3	2.94571E-89	0.76495942	0.609	0.374	9.14731E-85	CTRL	Pafah1b3	0.235
Nxn	2.68325E-74	0.71132115	0.487	0.27	8.3323E-70	CTRL	Nxn	0.217
Enah	1.73607E-68	1.30057112	0.245	0.085	5.39101E-64	CTRL	Enah	0.16
Rab17	7.23176E-68	0.70573986	0.451	0.245	2.24568E-63	CTRL	Rab17	0.206
Mgarp	9.63843E-66	0.81713572	0.523	0.32	2.99302E-61	CTRL	Mgarp	0.203
Cited1	1.40314E-63	0.78879164	0.759	0.597	4.35716E-59	CTRL	Cited1	0.162
Txnip	1.93342E-63	0.85264658	0.278	0.111	6.00385E-59	CTRL	Txnip	0.167
Zfp292	1.64854E-61	0.70345179	0.578	0.369	5.11922E-57	CTRL	Zfp292	0.209
AC160336.1	9.44174E-60	0.90674936	0.849	0.694	2.93194E-55	CTRL	AC160336.1	0.155
Arrdc3	2.56984E-55	0.93643143	0.287	0.128	7.98011E-51	CTRL	Arrdc3	0.159
Slc16a6	1.98042E-53	0.90564627	0.343	0.175	6.14981E-49	CTRL	Slc16a6	0.168
Per1	6.30849E-47	0.76350075	0.422	0.249	1.95898E-42	CTRL	Per1	0.173
Hist1h1e	6.81656E-42	0.97638164	0.327	0.185	2.11675E-37	CTRL	Hist1h1e	0.142
Loxl2	4.22275E-40	0.79874401	0.231	0.107	1.31129E-35	CTRL	Loxl2	0.124
Fam212a	5.17098E-39	0.69930579	0.377	0.226	1.60574E-34	CTRL	Fam212a	0.151
Espn	2.20697E-35	0.72419089	0.522	0.381	6.85329E-31	CTRL	Espn	0.141
Vldlr	3.61547E-32	1.16531965	0.118	0.04	1.12271E-27	CTRL	Vldlr	0.078
Ndrg2	5.11956E-32	1.02369244	0.159	0.068	1.58978E-27	CTRL	Ndrg2	0.091
Proser2	4.68927E-30	1.00937705	0.202	0.103	1.45616E-25	CTRL	Proser2	0.099
H1fx	1.79588E-29	0.93696318	0.144	0.061	5.57675E-25	CTRL	H1fx	0.083
Hist1h1d	6.21357E-29	1.18715874	0.147	0.064	1.9295E-24	CTRL	Hist1h1d	0.083
Hist1h2ac	1.30817E-26	1.26441974	0.098	0.033	4.06226E-22	CTRL	Hist1h2ac	0.065
Rsad2	5.17118E-26	0.7797012	0.337	0.218	1.60581E-21	CTRL	Rsad2	0.119
Scrg1	7.60483E-24	0.85957741	0.108	0.043	2.36153E-19	CTRL	Scrg1	0.065
Gm49359	1.30772E-22	0.87784073	0.157	0.08	4.06087E-18	CTRL	Gm49359	0.077
2610035D17R	1.24761E-21	0.84863185	0.112	0.048	3.87421E-17	CTRL	2610035D17R	0.064
Ralgps2	7.98523E-19	0.84648256	0.051	0.013	2.47965E-14	CTRL	Ralgps2	0.038
Trp53cor1	2.21514E-18	0.85244564	0.124	0.061	6.87869E-14	CTRL	Trp53cor1	0.063
Scarf1	2.9064E-18	0.96070018	0.085	0.034	9.02524E-14	CTRL	Scarf1	0.051
B930036N10R	4.14986E-18	0.75243502	0.139	0.073	1.28866E-13	CTRL	B930036N10R	0.066
Casp1	2.2652E-17	1.07404552	0.073	0.028	7.03412E-13	CTRL	Casp1	0.045
Gm32591	1.13776E-16	0.90812258	0.115	0.058	3.53308E-12	CTRL	Gm32591	0.057
Ifit3	5.03848E-16	0.79764289	0.132	0.072	1.5646E-11	CTRL	Ifit3	0.06
Olfm2	5.67615E-16	0.74973802	0.083	0.036	1.76261E-11	CTRL	Olfm2	0.047
Traf3ip2	6.97896E-16	0.73029774	0.134	0.074	2.16718E-11	CTRL	Traf3ip2	0.06
Cox7a1	1.76104E-15	0.73438949	0.076	0.032	5.46855E-11	CTRL	Cox7a1	0.044
Kifc1	6.41468E-15	0.75527646	0.119	0.064	1.99195E-10	CTRL	Kifc1	0.055
Hist2h2aa1	1.80412E-14	0.75570289	0.112	0.059	5.60233E-10	CTRL	Hist2h2aa1	0.053
Kit	2.31862E-14	0.96025324	0.036	0.008	7.20002E-10	CTRL	Kit	0.028
Hist2h2be	2.98264E-14	1.16734667	0.079	0.036	9.262E-10	CTRL	Hist2h2be	0.043
Hist1h3e	4.68348E-14	0.73602437	0.081	0.038	1.45436E-09	CTRL	Hist1h3e	0.043
Itm2a	9.50603E-14	0.86131951	0.041	0.012	2.95191E-09	CTRL	Itm2a	0.029
Cdhr4	9.95728E-14	0.75679261	0.075	0.034	3.09204E-09	CTRL	Cdhr4	0.041
4732440D04R	1.49717E-13	0.71563743	0.136	0.079	4.64915E-09	CTRL	4732440D04R	0.057
Arhgef39	4.23763E-13	0.96419153	0.085	0.042	1.31591E-08	CTRL	Arhgef39	0.043
Rgma	5.34436E-13	0.73706623	0.076	0.036	1.65958E-08	CTRL	Rgma	0.04
Nmrk1	5.42701E-13	0.79127121	0.093	0.048	1.68525E-08	CTRL	Nmrk1	0.045
Cep72	5.65733E-13	0.75631754	0.069	0.03	1.75677E-08	CTRL	Cep72	0.039
Amhr2	5.71306E-13	0.77713139	0.067	0.029	1.77408E-08	CTRL	Amhr2	0.038
Kcnj13	6.24646E-13	1.21855828	0.062	0.026	1.93971E-08	CTRL	Kcnj13	0.036
E130102H24R	6.25322E-13	1.14392596	0.076	0.036	1.94181E-08	CTRL	E130102H24R	0.04
C730034F03R	9.98982E-13	0.75816093	0.133	0.078	3.10214E-08	CTRL	C730034F03R	0.055
Olfr1369-ps1	1.1308E-12	0.7400568	0.079	0.038	3.51147E-08	CTRL	Olfr1369-ps1	0.041
AU041133	1.51836E-12	1.07377611	0.069	0.031	4.71496E-08	CTRL	AU041133	0.038
Car2	3.77014E-12	1.82299932	0.066	0.03	1.17074E-07	CTRL	Car2	0.036
Zfp951	4.22543E-12	0.70715689	0.083	0.041	1.31212E-07	CTRL	Zfp951	0.042

Hist1h2bj	6.22974E-12	0.82611938	0.065	0.029	1.93452E-07	CTRL	Hist1h2bj	0.036
Ctla2a	9.34728E-12	0.71879908	0.023	0.053	2.90261E-07	CTRL	Ctla2a	-0.03
Zscan2	1.18599E-11	0.84522354	0.061	0.027	3.68286E-07	CTRL	Zscan2	0.034
Olfr889	1.24545E-11	0.81191769	0.11	0.063	3.86751E-07	CTRL	Olfr889	0.047
Phyhipl	3.3345E-11	0.7327827	0.071	0.035	1.03546E-06	CTRL	Phyhipl	0.036
Hist1h4c	8.28897E-11	0.75156669	0.034	0.011	2.57397E-06	CTRL	Hist1h4c	0.023
Abca8b	9.86263E-11	0.96816899	0.057	0.025	3.06264E-06	CTRL	Abca8b	0.032
Pabpc4l	9.91306E-11	0.78809096	0.047	0.019	3.0783E-06	CTRL	Pabpc4l	0.028
Hist1h2be	1.40354E-10	0.85382009	0.051	0.021	4.35841E-06	CTRL	Hist1h2be	0.03
Spink8	6.58456E-10	0.75723866	0.035	0.012	2.0447E-05	CTRL	Spink8	0.023
Itgb4	6.94735E-10	0.74927797	0.05	0.022	2.15736E-05	CTRL	Itgb4	0.028
Mrap	9.4143E-10	0.75910692	0.03	0.009	2.92342E-05	CTRL	Mrap	0.021
Cry2	1.14815E-09	0.70443584	0.137	0.088	3.56535E-05	CTRL	Cry2	0.049
B230312C02R	3.58965E-09	0.85522951	0.039	0.015	0.000111469	CTRL	B230312C02R	0.024
Dqx1	4.12593E-09	0.72614065	0.082	0.047	0.000128123	CTRL	Dqx1	0.035
Unc13a	4.49678E-09	0.69451342	0.084	0.048	0.000139638	CTRL	Unc13a	0.036
Cck	7.38878E-09	2.64761585	0.029	0.009	0.000229444	CTRL	Cck	0.02
Apol11b	8.32252E-09	1.69110617	0.023	0.006	0.000258439	CTRL	Apol11b	0.017
Mpped2	1.01239E-08	0.92246368	0.056	0.028	0.000314378	CTRL	Mpped2	0.028
Slc38a9	1.5176E-08	0.75824207	0.176	0.123	0.000471262	CTRL	Slc38a9	0.053
Cda	1.62379E-08	0.72852958	0.074	0.042	0.000504234	CTRL	Cda	0.032
Gypa	2.46835E-08	2.0589583	0.028	0.009	0.000766497	CTRL	Gypa	0.019
Lepr	7.51373E-08	0.98082885	0.047	0.023	0.002333237	CTRL	Lepr	0.024
Gm45895	7.80158E-08	1.01091922	0.033	0.013	0.002422626	CTRL	Gm45895	0.02
Ifit3b	7.93E-08	0.83027846	0.039	0.018	0.002462502	CTRL	Ifit3b	0.021
Gm41335	1.02914E-07	0.74021117	0.045	0.021	0.003195796	CTRL	Gm41335	0.024
Ptcra	1.0521E-07	0.78691299	0.105	0.069	0.003267077	CTRL	Ptcra	0.036
Ndufa4l2	1.38113E-07	1.07335887	0.059	0.032	0.004288817	CTRL	Ndufa4l2	0.027
Tspan33	1.41748E-07	1.6130328	0.048	0.024	0.004401709	CTRL	Tspan33	0.024
Map3k13	2.51269E-07	0.74739162	0.041	0.019	0.007802663	CTRL	Map3k13	0.022
Slc4a1	2.95539E-07	2.20804757	0.021	0.006	0.009177369	CTRL	Slc4a1	0.015
Lin28b	3.36279E-07	0.75657064	0.066	0.038	0.010442466	CTRL	Lin28b	0.028
Gm45184	3.78334E-07	0.87793159	0.033	0.014	0.011748391	CTRL	Gm45184	0.019
Trim10	5.4684E-07	0.86331569	0.055	0.03	0.016981011	CTRL	Trim10	0.025
Gm32051	9.01698E-07	0.70276901	0.053	0.029	0.028000436	CTRL	Gm32051	0.024
Tspo2	1.13219E-06	1.57512969	0.02	0.007	0.035158045	CTRL	Tspo2	0.013
Apol7d	2.71794E-06	0.80484937	0.035	0.017	0.08440025	CTRL	Apol7d	0.018
Gm39459	3.4175E-06	1.02886412	0.026	0.011	0.106123606	CTRL	Gm39459	0.015
Zfp438	4.05948E-06	0.88105401	0.041	0.021	0.12605909	CTRL	Zfp438	0.02
Olfr56	4.92536E-06	0.71487838	0.036	0.018	0.152947334	CTRL	Olfr56	0.018
Cox6b2	5.37589E-06	1.15953486	0.017	0.005	0.166937504	CTRL	Cox6b2	0.012
Gm26699	7.81092E-06	0.89222706	0.083	0.055	0.242552501	CTRL	Gm26699	0.028
Lrp2	1.10818E-05	0.81829857	0.017	0.006	0.344123641	CTRL	Lrp2	0.011
Efna1	2.06846E-05	0.70477083	0.019	0.007	0.642318179	CTRL	Efna1	0.012
Pde7b	2.09631E-05	0.89959902	0.017	0.006	0.650967949	CTRL	Pde7b	0.011
Notch4	2.17323E-05	0.9067621	0.026	0.012	0.674853991	CTRL	Notch4	0.014
A230005M16	2.42201E-05	0.7905902	0.011	0.003	0.7521054	CTRL	A230005M16	0.008
Syn1	2.53411E-05	0.73263615	0.072	0.047	0.786917205	CTRL	Syn1	0.025
Mterf1a	7.44885E-05	0.77991314	0.045	0.027	1	CTRL	Mterf1a	0.018
Ldhd	7.58012E-05	0.96957219	0.014	0.005	1	CTRL	Ldhd	0.009
Gm15880	0.000117005	0.72124016	0.024	0.011	1	CTRL	Gm15880	0.013
Zfp773	0.000157996	0.76975787	0.035	0.02	1	CTRL	Zfp773	0.015
3110045C21R	0.000301552	0.74359736	0.037	0.022	1	CTRL	3110045C21R	0.015
Gm3550	0.004503994	0.93135617	0.013	0.006	1	CTRL	Gm3550	0.007
Lyz2	1.1084E-255	2.4961453	0.497	0.145	3.4418E-251	M28	Lyz2	0.352
Cxcl2	5.4773E-153	1.8883983	0.412	0.154	1.7009E-148	M28	Cxcl2	0.258
Il1b	6.20107E-96	2.49234312	0.239	0.07	1.92562E-91	M28	Il1b	0.169
Cd14	3.78563E-91	2.4290969	0.192	0.044	1.17555E-86	M28	Cd14	0.148
S100a6	1.49659E-81	1.28139227	0.577	0.408	4.64735E-77	M28	S100a6	0.169

Col3a1	1.07359E-76	2.8755818	0.121	0.015	3.33381E-72	M28	Col3a1	0.106
Saa3	1.80277E-72	3.44851583	0.158	0.037	5.59815E-68	M28	Saa3	0.121
Ctss	4.85239E-71	1.69459177	0.25	0.097	1.50681E-66	M28	Ctss	0.153
Cd52	1.06255E-68	2.09158468	0.197	0.063	3.29953E-64	M28	Cd52	0.134
Wfdc17	2.10287E-67	2.29330569	0.182	0.055	6.53006E-63	M28	Wfdc17	0.127
Nrp2	2.63192E-67	0.78527792	0.534	0.355	8.17292E-63	M28	Nrp2	0.179
Tyrobp	9.85517E-64	2.00284268	0.206	0.074	3.06033E-59	M28	Tyrobp	0.132
Tmsb4x	6.97491E-61	0.80877815	0.893	0.882	2.16592E-56	M28	Tmsb4x	0.011
Col1a1	7.48091E-60	2.26766322	0.103	0.016	2.32305E-55	M28	Col1a1	0.087
Fcer1g	2.4923E-59	1.79750664	0.328	0.181	7.73934E-55	M28	Fcer1g	0.147
Col1a2	6.81672E-59	2.4964028	0.1	0.015	2.1168E-54	M28	Col1a2	0.085
Srgn	1.00687E-58	1.74733227	0.221	0.089	3.12663E-54	M28	Srgn	0.132
Carmil2	5.01088E-56	1.66579721	0.147	0.042	1.55603E-51	M28	Carmil2	0.105
C1qb	1.18701E-49	1.51435597	0.251	0.125	3.68603E-45	M28	C1qb	0.126
Slpi	2.447E-46	2.15281213	0.139	0.046	7.59866E-42	M28	Slpi	0.093
Ccl8	2.82931E-46	2.13545513	0.152	0.053	8.78586E-42	M28	Ccl8	0.099
Ly6e	4.80007E-46	2.04365559	0.117	0.032	1.49057E-41	M28	Ly6e	0.085
Mitf	5.8321E-46	0.8312548	0.727	0.767	1.81104E-41	M28	Mitf	-0.04
Nr4a2	1.05879E-45	0.96833646	0.388	0.255	3.28787E-41	M28	Nr4a2	0.133
Laptm5	4.4755E-44	2.06453635	0.139	0.047	1.38978E-39	M28	Laptm5	0.092
Nr4a3	7.99593E-43	0.99087783	0.557	0.488	2.48298E-38	M28	Nr4a3	0.069
C1qa	3.22974E-41	1.45704696	0.209	0.1	1.00293E-36	M28	C1qa	0.109
Ahnak	4.92916E-41	1.08527195	0.355	0.226	1.53065E-36	M28	Ahnak	0.129
Ptgs2	2.1859E-40	2.30071403	0.085	0.018	6.78788E-36	M28	Ptgs2	0.067
Cd74	6.86375E-39	0.84046677	0.466	0.324	2.1314E-34	M28	Cd74	0.142
Ptprc	1.59316E-38	2.16518563	0.087	0.02	4.94724E-34	M28	Ptprc	0.067
Pf4	3.61147E-38	0.71806875	0.125	0.043	1.12147E-33	M28	Pf4	0.082
Lsmem1	3.79411E-37	1.30004278	0.189	0.09	1.17819E-32	M28	Lsmem1	0.099
Thbs1	1.40518E-35	1.55693671	0.141	0.056	4.36351E-31	M28	Thbs1	0.085
Lcn2	9.01676E-34	2.81778788	0.043	0.002	2.79997E-29	M28	Lcn2	0.041
Mpeg1	1.207E-33	1.38684046	0.089	0.025	3.7481E-29	M28	Mpeg1	0.064
Plek	3.19519E-33	1.79218164	0.091	0.026	9.92201E-29	M28	Plek	0.065
Coro1a	3.94431E-33	1.70876351	0.137	0.057	1.22483E-28	M28	Coro1a	0.08
Slfn2	1.6291E-32	1.67543103	0.112	0.04	5.05884E-28	M28	Slfn2	0.072
Cybb	9.81622E-32	2.22112015	0.08	0.021	3.04823E-27	M28	Cybb	0.059
Acod1	5.43362E-31	2.25262979	0.048	0.006	1.6873E-26	M28	Acod1	0.042
AW112010	2.16744E-30	1.92613324	0.13	0.055	6.73056E-26	M28	AW112010	0.075
Aif1	9.30857E-30	1.81235929	0.093	0.031	2.89059E-25	M28	Aif1	0.062
Rac2	1.17566E-29	1.87553519	0.096	0.032	3.65077E-25	M28	Rac2	0.064
Ccl5	9.51274E-29	1.38070334	0.177	0.09	2.95399E-24	M28	Ccl5	0.087
Il1rn	1.90574E-28	1.7488516	0.082	0.025	5.91791E-24	M28	Il1rn	0.057
Plac8	2.77134E-28	1.82104691	0.083	0.026	8.60585E-24	M28	Plac8	0.057
Ccrl2	4.94441E-28	1.51718933	0.117	0.048	1.53539E-23	M28	Ccrl2	0.069
Clec4e	5.37981E-28	1.66637258	0.075	0.022	1.67059E-23	M28	Clec4e	0.053
Bcl2a1b	1.05493E-27	1.52544619	0.101	0.037	3.27586E-23	M28	Bcl2a1b	0.064
Tgfbi	2.63802E-26	1.75131148	0.081	0.026	8.19183E-22	M28	Tgfbi	0.055
Ms4a6b	3.99112E-26	1.95477997	0.063	0.016	1.23936E-21	M28	Ms4a6b	0.047
Nlrp3	4.14893E-26	1.9942197	0.06	0.015	1.28837E-21	M28	Nlrp3	0.045
Cytip	2.01008E-25	1.86640692	0.07	0.021	6.24191E-21	M28	Cytip	0.049
Cd53	2.02355E-25	1.69826636	0.076	0.024	6.28374E-21	M28	Cd53	0.052
Ms4a7	3.85373E-25	1.81758951	0.081	0.027	1.1967E-20	M28	Ms4a7	0.054
Pltp	4.75913E-25	1.57061572	0.093	0.035	1.47785E-20	M28	Pltp	0.058
Ly6a	1.03531E-24	1.86040193	0.07	0.021	3.21494E-20	M28	Ly6a	0.049
C1qc	1.09858E-24	1.1865962	0.148	0.075	3.41141E-20	M28	C1qc	0.073
Alox5ap	1.62026E-24	1.50666338	0.086	0.031	5.0314E-20	M28	Alox5ap	0.055
Gpr132	5.30025E-24	1.34057177	0.046	0.008	1.64589E-19	M28	Gpr132	0.038
S100a8	5.33529E-24	1.69634675	0.079	0.027	1.65677E-19	M28	S100a8	0.052
Ccl3	8.28862E-24	1.65041746	0.118	0.054	2.57386E-19	M28	Ccl3	0.064
Nr4a1	8.92003E-24	0.75754636	0.593	0.57	2.76994E-19	M28	Nr4a1	0.023

Gmfg	1.35477E-23	1.88979588	0.076	0.026	4.20697E-19	M28	Gmfg	0.05
Xist	3.93287E-23	1.22699709	0.098	0.04	1.22127E-18	M28	Xist	0.058
S100a9	4.49999E-23	2.25701969	0.074	0.025	1.39738E-18	M28	S100a9	0.049
Ccl2	1.00548E-22	1.83322743	0.124	0.059	3.12232E-18	M28	Ccl2	0.065
Tagln2	1.15733E-22	0.97018915	0.29	0.202	3.59385E-18	M28	Tagln2	0.088
Ccl4	1.4559E-22	1.18051792	0.169	0.096	4.52099E-18	M28	Ccl4	0.073
Ccl6	1.6203E-22	1.62581784	0.083	0.031	5.03153E-18	M28	Ccl6	0.052
H2-Q7	2.89361E-22	1.70516034	0.081	0.03	8.98552E-18	M28	H2-Q7	0.051
Gngt2	3.02876E-22	1.42267816	0.067	0.021	9.40521E-18	M28	Gngt2	0.046
Clec4a1	4.97161E-22	1.64533324	0.055	0.015	1.54383E-17	M28	Clec4a1	0.04
Ms4a6c	1.28654E-21	1.34405354	0.069	0.023	3.9951E-17	M28	Ms4a6c	0.046
Neurl3	1.64743E-21	1.82936213	0.045	0.01	5.11577E-17	M28	Neurl3	0.035
Pla2g7	2.74923E-21	1.41190765	0.056	0.016	8.53719E-17	M28	Pla2g7	0.04
Nppb	3.71917E-21	1.03625355	0.311	0.227	1.15491E-16	M28	Nppb	0.084
Clec4d	3.90307E-21	1.95772366	0.062	0.019	1.21202E-16	M28	Clec4d	0.043
Trem2	4.29358E-21	1.60121328	0.08	0.031	1.33328E-16	M28	Trem2	0.049
Ifitm1	6.42864E-21	2.44296088	0.041	0.008	1.99628E-16	M28	Ifitm1	0.033
Bgn	4.802E-20	1.01440612	0.052	0.014	1.49117E-15	M28	Bgn	0.038
Adcy7	5.11516E-20	0.80012749	0.406	0.339	1.58841E-15	M28	Adcy7	0.067
Emp1	6.3447E-20	1.15283263	0.262	0.186	1.97022E-15	M28	Emp1	0.076
Adgre1	8.69263E-20	1.7414441	0.051	0.014	2.69932E-15	M28	Adgre1	0.037
Ccl7	2.18953E-19	1.71578298	0.09	0.039	6.79915E-15	M28	Ccl7	0.051
Ptafr	3.30945E-19	1.44227226	0.04	0.009	1.02768E-14	M28	Ptafr	0.031
Tnfrsf1b	3.81892E-19	1.56483559	0.048	0.013	1.18589E-14	M28	Tnfrsf1b	0.035
Cxcl9	4.55126E-19	1.0982228	0.072	0.027	1.4133E-14	M28	Cxcl9	0.045
Klf4	5.44228E-19	1.00464069	0.496	0.449	1.68999E-14	M28	Klf4	0.047
Tgm2	1.41818E-18	1.53968134	0.067	0.025	4.40388E-14	M28	Tgm2	0.042
Cxcl1	1.67701E-18	1.42271291	0.054	0.017	5.20763E-14	M28	Cxcl1	0.037
Cd109	1.97593E-18	0.69566861	0.536	0.508	6.13585E-14	M28	Cd109	0.028
Ahnak2	4.18371E-18	0.71887354	0.437	0.375	1.29917E-13	M28	Ahnak2	0.062
Icam1	5.25731E-18	1.82704998	0.063	0.023	1.63255E-13	M28	Icam1	0.04
Samsn1	7.74651E-18	1.51442526	0.046	0.013	2.40552E-13	M28	Samsn1	0.033
Fcgr3	8.78711E-18	1.17619946	0.073	0.029	2.72866E-13	M28	Fcgr3	0.044
Traf1	9.95868E-18	1.55335959	0.048	0.014	3.09247E-13	M28	Traf1	0.034
H2-Ab1	9.95958E-18	1.15932468	0.257	0.181	3.09275E-13	M28	H2-Ab1	0.076
Lsp1	1.1886E-17	1.34196353	0.064	0.024	3.69095E-13	M28	Lsp1	0.04
Cd300c2	1.37615E-17	1.79961217	0.059	0.021	4.27337E-13	M28	Cd300c2	0.038
Pmepa1	1.86376E-17	1.34620073	0.207	0.14	5.78754E-13	M28	Pmepa1	0.067
Wisp1	3.804E-17	1.48321933	0.047	0.014	1.18125E-12	M28	Wisp1	0.033
Spp1	3.83811E-17	1.3778664	0.171	0.105	1.19185E-12	M28	Spp1	0.066
Csf1r	7.14799E-17	1.55032098	0.054	0.018	2.21966E-12	M28	Csf1r	0.036
S100a4	1.61311E-16	1.21442261	0.208	0.143	5.00919E-12	M28	S100a4	0.065
Spi1	2.10878E-16	1.18244446	0.064	0.025	6.54838E-12	M28	Spi1	0.039
Snx20	2.89798E-16	1.48436853	0.047	0.014	8.99909E-12	M28	Snx20	0.033
Lhfpl2	3.41435E-16	0.86845738	0.158	0.098	1.06026E-11	M28	Lhfpl2	0.06
Pld4	3.57162E-16	1.56581843	0.06	0.023	1.10909E-11	M28	Pld4	0.037
Plaur	3.58781E-16	1.37120224	0.141	0.084	1.11412E-11	M28	Plaur	0.057
Itgam	3.62378E-16	1.33569654	0.046	0.014	1.12529E-11	M28	Itgam	0.032
Il1a	4.27419E-16	1.34612069	0.036	0.009	1.32727E-11	M28	Il1a	0.027
C3	4.87205E-16	1.70388313	0.037	0.009	1.51292E-11	M28	C3	0.028
Nfkbid	5.65628E-16	1.01775394	0.038	0.01	1.75644E-11	M28	Nfkbid	0.028
Lilr4b	6.61117E-16	1.37295359	0.069	0.029	2.05297E-11	M28	Lilr4b	0.04
Itgb7	1.09883E-15	1.67477269	0.029	0.005	3.41219E-11	M28	Itgb7	0.024
Cyth4	1.12548E-15	1.23092114	0.044	0.013	3.49495E-11	M28	Cyth4	0.031
Plbd1	1.38448E-15	1.3690329	0.05	0.017	4.29922E-11	M28	Plbd1	0.033
Gzma	1.60557E-15	2.21014999	0.023	0.003	4.98578E-11	M28	Gzma	0.02
Igkc	1.65763E-15	1.35259996	0.026	0.004	5.14745E-11	M28	Igkc	0.022
Csf2rb	2.09953E-15	1.33291106	0.041	0.012	6.51968E-11	M28	Csf2rb	0.029
Cd83	2.15161E-15	1.52346985	0.075	0.034	6.6814E-11	M28	Cd83	0.041

Lcp2	2.6518E-15	1.5695776	0.035	0.009	8.23464E-11	M28	Lcp2	0.026
Arl4c	2.8064E-15	1.62717018	0.031	0.007	8.71472E-11	M28	Arl4c	0.024
Dcn	3.34165E-15	1.67807389	0.027	0.005	1.03768E-10	M28	Dcn	0.022
Wfdc21	5.58979E-15	2.11463361	0.019	0.002	1.7358E-10	M28	Wfdc21	0.017
Ckm	1.00617E-14	1.71092012	0.042	0.089	3.12447E-10	M28	Ckm	-0.047
Hcst	1.27886E-14	1.17189582	0.039	0.011	3.97124E-10	M28	Hcst	0.028
Osm	1.49272E-14	1.51238012	0.042	0.013	4.63533E-10	M28	Osm	0.029
Cxcr4	1.6186E-14	1.43667283	0.041	0.012	5.02623E-10	M28	Cxcr4	0.029
Clec4a3	1.66046E-14	1.34531147	0.037	0.01	5.15623E-10	M28	Clec4a3	0.027
Ifi27l2a	2.54854E-14	1.71062234	0.089	0.046	7.91397E-10	M28	Ifi27l2a	0.043
Cxcl16	2.81501E-14	1.26787847	0.058	0.023	8.74146E-10	M28	Cxcl16	0.035
Ltbp4	3.10935E-14	1.46298002	0.046	0.016	9.65547E-10	M28	Ltbp4	0.03
Myo1f	3.3088E-14	1.3021125	0.029	0.006	1.02748E-09	M28	Myo1f	0.023
Egfl8	3.49865E-14	1.07943221	0.07	0.032	1.08644E-09	M28	Egfl8	0.038
Selplg	4.01626E-14	1.4157026	0.087	0.045	1.24717E-09	M28	Selplg	0.042
Dock2	4.78329E-14	1.34415751	0.039	0.012	1.48536E-09	M28	Dock2	0.027
Entpd2	5.04438E-14	1.55010204	0.052	0.02	1.56643E-09	M28	Entpd2	0.032
Fcgr1	7.10537E-14	1.17346275	0.043	0.014	2.20643E-09	M28	Fcgr1	0.029
Cd68	7.17614E-14	0.81621526	0.214	0.153	2.22841E-09	M28	Cd68	0.061
Ets2	8.36308E-14	1.34350531	0.161	0.107	2.59699E-09	M28	Ets2	0.054
Cyp4f18	1.04182E-13	1.35465401	0.043	0.014	3.23516E-09	M28	Cyp4f18	0.029
Ly86	1.12524E-13	1.04880069	0.042	0.014	3.49421E-09	M28	Ly86	0.028
Ly6c2	1.40345E-13	1.61116903	0.024	0.004	4.35813E-09	M28	Ly6c2	0.02
Tlr2	2.00734E-13	1.56284285	0.061	0.027	6.23338E-09	M28	Tlr2	0.034
Fn1	3.211E-13	0.71540649	0.496	0.451	9.97112E-09	M28	Fn1	0.045
Pid1	5.21475E-13	0.93432436	0.035	0.01	1.61934E-08	M28	Pid1	0.025
Ccr2	6.20381E-13	1.51128314	0.028	0.007	1.92647E-08	M28	Ccr2	0.021
Clec12a	6.47379E-13	1.32857091	0.043	0.015	2.0103E-08	M28	Clec12a	0.028
Csf3r	8.31765E-13	1.46373963	0.016	0.001	2.58288E-08	M28	Csf3r	0.015
Fam107b	9.60236E-13	1.22252508	0.039	0.013	2.98182E-08	M28	Fam107b	0.026
Hbb-bs	1.40368E-12	0.91195271	0.952	0.977	4.35884E-08	M28	Hbb-bs	-0.025
Slc15a3	1.43581E-12	1.48013802	0.045	0.017	4.45863E-08	M28	Slc15a3	0.028
Cxcl12	1.45917E-12	1.44470867	0.023	0.004	4.53117E-08	M28	Cxcl12	0.019
Gimap3	1.62718E-12	1.55810606	0.021	0.003	5.05289E-08	M28	Gimap3	0.018
Ncf4	1.72782E-12	1.21340529	0.038	0.013	5.3654E-08	M28	Ncf4	0.025
Ms4a4b	2.04831E-12	1.42905265	0.031	0.009	6.36061E-08	M28	Ms4a4b	0.022
Ccr5	2.16014E-12	1.09804986	0.037	0.012	6.70787E-08	M28	Ccr5	0.025
Ccl9	2.65984E-12	1.29034108	0.056	0.025	8.2596E-08	M28	Ccl9	0.031
Il10ra	3.04696E-12	1.43614402	0.03	0.008	9.46171E-08	M28	Il10ra	0.022
C5ar1	3.14711E-12	1.28222154	0.038	0.013	9.77273E-08	M28	C5ar1	0.025
Klrd1	3.77201E-12	1.34476826	0.027	0.007	1.17132E-07	M28	Klrd1	0.02
Ms4a6d	3.81145E-12	1.39987582	0.053	0.023	1.18357E-07	M28	Ms4a6d	0.03
Ccr1	4.87722E-12	1.76490147	0.032	0.009	1.51452E-07	M28	Ccr1	0.023
Clec4n	5.16901E-12	1.4273404	0.032	0.009	1.60513E-07	M28	Clec4n	0.023
Gzmb	6.88147E-12	2.12649117	0.027	0.007	2.1369E-07	M28	Gzmb	0.02
Rftn1	9.92067E-12	1.20256614	0.02	0.003	3.08066E-07	M28	Rftn1	0.017
Cfp	1.03026E-11	1.47423859	0.063	0.03	3.19926E-07	M28	Cfp	0.033
Adamts14	1.21649E-11	1.36942263	0.091	0.051	3.77757E-07	M28	Adamts14	0.04
Emilin2	1.43258E-11	1.18693833	0.039	0.014	4.4486E-07	M28	Emilin2	0.025
Lst1	1.6576E-11	1.42005329	0.099	0.058	5.14734E-07	M28	Lst1	0.041
Chil3	1.66118E-11	1.63948345	0.029	0.008	5.15846E-07	M28	Chil3	0.021
Hck	1.73354E-11	1.21126845	0.031	0.01	5.38317E-07	M28	Hck	0.021
Arg1	2.12545E-11	1.28661906	0.03	0.009	6.60015E-07	M28	Arg1	0.021
Tnfaip3	2.12563E-11	1.37389085	0.116	0.073	6.60073E-07	M28	Tnfaip3	0.043
Gxylt2	2.14547E-11	0.8504493	0.184	0.133	6.66234E-07	M28	Gxylt2	0.051
Il2rg	2.16556E-11	1.48233678	0.036	0.012	6.7247E-07	M28	Il2rg	0.024
Trac	2.45496E-11	1.30368021	0.027	0.007	7.62339E-07	M28	Trac	0.02
Fxyd5	2.79027E-11	0.84025221	0.405	0.363	8.66464E-07	M28	Fxyd5	0.042
Mafb	2.99386E-11	1.36112725	0.048	0.02	9.29684E-07	M28	Mafb	0.028

Bcl2a1d	3.02105E-11	1.26215223	0.041	0.016	9.38127E-07	M28	Bcl2a1d	0.025
Rassf4	3.10291E-11	1.1435569	0.027	0.007	9.63548E-07	M28	Rassf4	0.02
P2ry10	3.58149E-11	1.47180968	0.022	0.005	1.11216E-06	M28	P2ry10	0.017
Tm6sf1	5.31947E-11	1.32384431	0.032	0.011	1.65185E-06	M28	Tm6sf1	0.021
Fmnl1	5.59672E-11	1.44018382	0.03	0.009	1.73795E-06	M28	Fmnl1	0.021
Hp	5.64412E-11	1.35412239	0.019	0.003	1.75267E-06	M28	Hp	0.016
H2-Eb1	7.3578E-11	1.02645389	0.242	0.185	2.28482E-06	M28	H2-Eb1	0.057
Cd84	7.80179E-11	0.90345236	0.03	0.009	2.42269E-06	M28	Cd84	0.021
Il2rb	7.80526E-11	1.61271477	0.031	0.01	2.42377E-06	M28	Il2rb	0.021
Marco	8.03247E-11	0.81298492	0.011	0	2.49432E-06	M28	Marco	0.011
Trib1	8.51908E-11	0.8287904	0.18	0.131	2.64543E-06	M28	Trib1	0.049
Gm4907	1.16405E-10	1.16661847	0.013	0.001	3.61471E-06	M28	Gm4907	0.012
Ltb	1.24589E-10	1.27370535	0.023	0.006	3.86888E-06	M28	Ltb	0.017
Pilra	1.32376E-10	1.15894491	0.023	0.006	4.11067E-06	M28	Pilra	0.017
Klrk1	1.41357E-10	1.61438177	0.017	0.003	4.38955E-06	M28	Klrk1	0.014
Col6a3	1.68681E-10	0.91078044	0.023	0.006	5.23804E-06	M28	Col6a3	0.017
Tnc	1.92688E-10	0.83309705	0.02	0.004	5.98353E-06	M28	Tnc	0.016
C3ar1	2.05362E-10	1.13443906	0.043	0.018	6.37712E-06	M28	C3ar1	0.025
Lcp1	2.19355E-10	1.03402555	0.171	0.122	6.81164E-06	M28	Lcp1	0.049
Folr2	2.95922E-10	1.22529457	0.023	0.006	9.18925E-06	M28	Folr2	0.017
AB124611	3.31409E-10	1.14144684	0.037	0.014	1.02912E-05	M28	AB124611	0.023
Areg	3.52924E-10	1.19274375	0.018	0.003	1.09593E-05	M28	Areg	0.015
Nkg7	3.65864E-10	1.34451948	0.044	0.019	1.13612E-05	M28	Nkg7	0.025
Inpp5d	3.877E-10	1.02705347	0.03	0.01	1.20393E-05	M28	Inpp5d	0.02
Ighg2b	4.09712E-10	0.82781674	0.01	0	1.27228E-05	M28	Ighg2b	0.01
Nfkbiz	4.38195E-10	0.93636114	0.212	0.164	1.36073E-05	M28	Nfkbiz	0.048
Cd3d	5.30568E-10	1.6432947	0.033	0.012	1.64757E-05	M28	Cd3d	0.021
Il1r2	6.65106E-10	1.06309216	0.021	0.005	2.06535E-05	M28	Il1r2	0.016
Cd93	6.91053E-10	1.46159767	0.039	0.016	2.14593E-05	M28	Cd93	0.023
Mras	6.97955E-10	0.86985397	0.254	0.207	2.16736E-05	M28	Mras	0.047
Nckap1l	8.09573E-10	1.37614556	0.036	0.014	2.51397E-05	M28	Nckap1l	0.022
Cxcl3	8.8702E-10	1.33037913	0.029	0.01	2.75446E-05	M28	Cxcl3	0.019
Abca1	9.92788E-10	0.81751997	0.086	0.051	3.0829E-05	M28	Abca1	0.035
F10	1.09854E-09	1.1129225	0.028	0.009	3.4113E-05	M28	F10	0.019
Acta2	1.21177E-09	1.08397912	0.026	0.008	3.7629E-05	M28	Acta2	0.018
D16Ertd472e	1.22771E-09	1.26810462	0.023	0.006	3.81242E-05	M28	D16Ertd472e	0.017
Sorl1	1.31521E-09	1.10897313	0.017	0.003	4.08413E-05	M28	Sorl1	0.014
P2ry6	1.36888E-09	1.13768601	0.022	0.006	4.25078E-05	M28	P2ry6	0.016
Fgr	1.75675E-09	0.98107433	0.019	0.004	5.45525E-05	M28	Fgr	0.015
Pou2f2	1.99413E-09	1.30387832	0.049	0.024	6.19237E-05	M28	Pou2f2	0.025
Fgl2	2.00334E-09	1.1234318	0.037	0.015	6.22098E-05	M28	Fgl2	0.022
Smad7	2.1209E-09	0.73324545	0.237	0.193	6.58604E-05	M28	Smad7	0.044
Satb1	2.31132E-09	1.45022133	0.014	0.002	7.17735E-05	M28	Satb1	0.012
Cd48	2.40617E-09	1.18712347	0.034	0.013	7.47189E-05	M28	Cd48	0.021
Pirb	2.46462E-09	1.06833248	0.036	0.015	7.65338E-05	M28	Pirb	0.021
Napsa	2.55713E-09	1.52047261	0.03	0.011	7.94066E-05	M28	Napsa	0.019
Igsf6	2.74312E-09	1.16939178	0.03	0.011	8.5182E-05	M28	Igsf6	0.019
Abcg1	2.93722E-09	1.13466934	0.018	0.004	9.12094E-05	M28	Abcg1	0.014
Hcls1	3.69121E-09	1.12782974	0.051	0.025	0.000114623	M28	Hcls1	0.026
Map1a	4.14178E-09	0.95753167	0.048	0.023	0.000128615	M28	Map1a	0.025
Runx3	6.80856E-09	0.91988181	0.03	0.011	0.000211426	M28	Runx3	0.019
Ighm	7.18522E-09	0.91588926	0.017	0.004	0.000223123	M28	Ighm	0.013
Stab1	7.59911E-09	1.56134771	0.062	0.034	0.000235975	M28	Stab1	0.028
Fpr2	7.84107E-09	0.91377915	0.014	0.002	0.000243489	M28	Fpr2	0.012
H2-Aa	8.08411E-09	0.81658708	0.261	0.21	0.000251036	M28	H2-Aa	0.051
Itgal	8.40809E-09	1.18455883	0.027	0.01	0.000261096	M28	Itgal	0.017
Ms4a4c	8.93626E-09	1.31879574	0.028	0.01	0.000277498	M28	Ms4a4c	0.018
Gpr65	1.08291E-08	1.42412897	0.032	0.013	0.000336276	M28	Gpr65	0.019
Anxa3	1.23097E-08	1.28131427	0.027	0.009	0.000382254	M28	Anxa3	0.018

Hcar2	1.24656E-08	1.12261183	0.028	0.01	0.000387094	M28	Hcar2	0.018
Crip1	1.56293E-08	0.80621599	0.423	0.402	0.000485335	M28	Crip1	0.021
Col6a2	1.61166E-08	0.7033966	0.016	0.004	0.000500467	M28	Col6a2	0.012
Timp3	1.70996E-08	0.73294246	0.18	0.137	0.000530995	M28	Timp3	0.043
Rbm44	1.77562E-08	0.78118037	0.04	0.018	0.000551385	M28	Rbm44	0.022
Irak3	1.92819E-08	0.9142463	0.011	0.001	0.000598762	M28	Irak3	0.01
Cd69	1.96831E-08	1.05741515	0.011	0.001	0.00061122	M28	Cd69	0.01
Cd86	2.20193E-08	0.94225146	0.029	0.011	0.000683766	M28	Cd86	0.018
Tgif1	2.45558E-08	0.73625766	0.216	0.175	0.000762531	M28	Tgif1	0.041
Itgb2	2.47639E-08	0.94834968	0.061	0.034	0.000768994	M28	Itgb2	0.027
Myo1g	2.88705E-08	1.09838972	0.034	0.015	0.000896515	M28	Myo1g	0.019
Arl5c	3.86721E-08	1.27538932	0.036	0.016	0.001200884	M28	Arl5c	0.02
Pmaip1	4.48877E-08	0.93252551	0.018	0.005	0.001393898	M28	Pmaip1	0.013
Nfam1	4.67937E-08	0.95718822	0.017	0.004	0.001453086	M28	Nfam1	0.013
Mmp9	4.82909E-08	1.15259925	0.013	0.002	0.001499578	M28	Mmp9	0.011
Sdc3	4.922E-08	1.23461611	0.067	0.039	0.001528428	M28	Sdc3	0.028
Mrc1	5.28991E-08	1.42966468	0.032	0.014	0.001642674	M28	Mrc1	0.018
Postn	6.56408E-08	1.33964568	0.02	0.006	0.002038344	M28	Postn	0.014
Arhgap45	7.25132E-08	1.49039987	0.056	0.031	0.002251753	M28	Arhgap45	0.025
Ikzf1	7.27084E-08	1.35850551	0.02	0.006	0.002257813	M28	Ikzf1	0.014
Cd3g	8.57784E-08	1.12394085	0.03	0.013	0.002663677	M28	Cd3g	0.017
Hk3	8.78882E-08	1.03657652	0.026	0.01	0.002729192	M28	Hk3	0.016
Itgb3	1.00121E-07	0.8106123	0.099	0.066	0.003109045	M28	Itgb3	0.033
Prkcb	1.1226E-07	1.04458969	0.011	0.002	0.003485995	M28	Prkcb	0.009
Cd300a	1.19982E-07	1.08430098	0.034	0.015	0.003725795	M28	Cd300a	0.019
Ebi3	1.2251E-07	0.94535845	0.01	0.001	0.003804308	M28	Ebi3	0.009
Icos	1.59596E-07	0.89021512	0.014	0.003	0.004955942	M28	Icos	0.011
Gimap1	1.81954E-07	0.72789518	0.016	0.004	0.005650222	M28	Gimap1	0.012
Sgk1	1.92901E-07	0.74202944	0.203	0.164	0.005990143	M28	Sgk1	0.039
Acp5	1.94015E-07	1.12643634	0.04	0.02	0.006024749	M28	Acp5	0.02
Vsir	2.0076E-07	0.90889613	0.027	0.011	0.006234203	M28	Vsir	0.016
Cd300lf	2.40531E-07	0.74151645	0.029	0.012	0.007469215	M28	Cd300lf	0.017
Il7r	2.43192E-07	1.1176978	0.023	0.008	0.007551849	M28	Il7r	0.015
Trbc2	2.8491E-07	1.0348445	0.031	0.014	0.00884732	M28	Trbc2	0.017
Fes	3.00919E-07	1.08719545	0.026	0.011	0.009344436	M28	Fes	0.015
Igf1	3.07704E-07	0.97540316	0.014	0.003	0.009555143	M28	Igf1	0.011
Cd40	3.89825E-07	0.9609334	0.014	0.004	0.012105248	M28	Cd40	0.01
Il21r	4.08631E-07	1.05466269	0.016	0.005	0.012689217	M28	Il21r	0.011
Sell	4.23514E-07	1.19583968	0.01	0.001	0.013151365	M28	Sell	0.009
Bcl2a1a	4.51201E-07	1.07320602	0.023	0.008	0.014011153	M28	Bcl2a1a	0.015
Msr1	4.62943E-07	1.36289806	0.032	0.015	0.014375757	M28	Msr1	0.017
Fam105a	4.83801E-07	0.74276949	0.028	0.012	0.015023483	M28	Fam105a	0.016
Ccl12	5.20837E-07	1.44169294	0.037	0.018	0.016173554	M28	Ccl12	0.019
Lat2	5.31331E-07	1.2773525	0.048	0.026	0.016499425	M28	Lat2	0.022
Clec4a2	5.47681E-07	1.03220667	0.032	0.015	0.01700715	M28	Clec4a2	0.017
Vav1	5.84209E-07	0.69682543	0.02	0.007	0.018141457	M28	Vav1	0.013
Ppp1r9b	5.95276E-07	0.75811987	0.217	0.181	0.018485112	M28	Ppp1r9b	0.036
Sirpb1c	5.96332E-07	1.03435567	0.017	0.005	0.018517895	M28	Sirpb1c	0.012
Gpr141	7.06914E-07	0.7388273	0.01	0.002	0.021951811	M28	Gpr141	0.008
Mfap5	7.58728E-07	0.81295707	0.012	0.002	0.023560769	M28	Mfap5	0.01
Gas6	8.0991E-07	1.16260643	0.016	0.005	0.02515014	M28	Gas6	0.011
4930523C07R	8.189E-07	0.80263332	0.021	0.008	0.025429288	M28	4930523C07R	0.013
Thy1	8.21344E-07	0.75331343	0.02	0.007	0.02550521	M28	Thy1	0.013
Adam8	8.78978E-07	0.89031651	0.067	0.041	0.0272949	M28	Adam8	0.026
L1cam	9.05924E-07	0.79121488	0.064	0.039	0.028131663	M28	L1cam	0.025
Gm26740	9.20669E-07	0.93303018	0.011	0.002	0.028589522	M28	Gm26740	0.009
Efna2	9.9753E-07	0.96864565	0.031	0.014	0.030976286	M28	Efna2	0.017
Ptk2b	1.13306E-06	0.99642409	0.035	0.017	0.035185026	M28	Ptk2b	0.018
Atcayos	1.15856E-06	1.01612659	0.051	0.029	0.035976696	M28	Atcayos	0.022

Ptger4	1.18664E-06	0.85299564	0.014	0.004	0.036848818	M28	Ptger4	0.01
Ptpn22	1.21055E-06	0.85305134	0.026	0.011	0.037591235	M28	Ptpn22	0.015
Rab7b	1.30524E-06	0.73848623	0.025	0.011	0.04053158	M28	Rab7b	0.014
Nuak2	1.65447E-06	1.13207262	0.019	0.007	0.051376183	M28	Nuak2	0.012
Mmp3	1.6685E-06	1.48382086	0.011	0.002	0.051811977	M28	Mmp3	0.009
Sla	1.92115E-06	0.89736655	0.02	0.008	0.059657531	M28	Sla	0.012
Stap1	1.98833E-06	0.9933008	0.019	0.007	0.061743603	M28	Stap1	0.012
Arrdc4	2.00057E-06	0.79581329	0.014	0.004	0.062123679	M28	Arrdc4	0.01
Sox9	2.06249E-06	0.8647363	0.108	0.078	0.064046395	M28	Sox9	0.03
Txk	2.24647E-06	0.92583576	0.023	0.009	0.069759572	M28	Txk	0.014
Hdc	2.63318E-06	0.73099458	0.023	0.009	0.081767987	M28	Hdc	0.014
Rnase4	2.79207E-06	1.07005418	0.027	0.012	0.08670201	M28	Rnase4	0.015
Il4ra	2.80115E-06	1.09273888	0.036	0.019	0.086984202	M28	Il4ra	0.017
Trbc1	3.21274E-06	1.40969565	0.018	0.006	0.099765122	M28	Trbc1	0.012
Slit2	4.16622E-06	0.84552301	0.096	0.067	0.129373779	M28	Slit2	0.029
Cd300ld	4.42618E-06	0.77728225	0.017	0.006	0.137446093	M28	Cd300ld	0.011
Mylpf	4.50462E-06	1.90681391	0.077	0.111	0.139881835	M28	Mylpf	-0.034
Pglyrp1	4.55566E-06	0.93750027	0.027	0.013	0.141466788	M28	Pglyrp1	0.014
Trem1	4.59126E-06	0.87959114	0.012	0.003	0.14257227	M28	Trem1	0.009
Tnip3	4.61493E-06	1.55049609	0.019	0.007	0.143307462	M28	Tnip3	0.012
Lpl	4.71338E-06	1.07962512	0.03	0.014	0.146364566	M28	Lpl	0.016
Ifi207	4.93209E-06	0.88379111	0.044	0.025	0.153156179	M28	Ifi207	0.019
Runx2	6.30709E-06	0.76569774	0.032	0.016	0.195853927	M28	Runx2	0.016
Col5a1	6.58912E-06	0.8281906	0.045	0.026	0.204611793	M28	Col5a1	0.019
Ltb4r1	7.26501E-06	0.73243362	0.015	0.005	0.225600329	M28	Ltb4r1	0.01
Il18r1	7.32162E-06	1.33703022	0.01	0.002	0.227358351	M28	Il18r1	0.008
Il10	7.91722E-06	1.02262852	0.02	0.008	0.245853337	M28	Il10	0.012
Pik3r5	8.03287E-06	0.90943126	0.028	0.014	0.249444705	M28	Pik3r5	0.014
Slamf7	8.07741E-06	1.122873	0.022	0.009	0.250827815	M28	Slamf7	0.013
Cd2	9.73877E-06	0.78558939	0.017	0.006	0.302418112	M28	Cd2	0.011
Tnf	9.76184E-06	1.0817168	0.053	0.033	0.303134557	M28	Tnf	0.02
Gimap5	1.0415E-05	0.87670791	0.012	0.003	0.323417537	M28	Gimap5	0.009
Cbr2	1.08133E-05	1.00440694	0.025	0.012	0.335784587	M28	Cbr2	0.013
Csf2rb2	1.36145E-05	0.81527213	0.015	0.005	0.422770262	M28	Csf2rb2	0.01
Krt14	1.39007E-05	1.05022922	0.034	0.018	0.431657187	M28	Krt14	0.016
Fli1	1.52137E-05	0.96546785	0.017	0.006	0.472432553	M28	Fli1	0.011
Sh2d2a	1.78518E-05	0.81778915	0.025	0.012	0.554351093	M28	Sh2d2a	0.013
Rab32	1.80376E-05	0.73014864	0.256	0.229	0.560122862	M28	Rab32	0.027
Slc25a31	1.81659E-05	0.85125926	0.039	0.022	0.564105086	M28	Slc25a31	0.017
Glipr1	1.92262E-05	0.89801651	0.021	0.009	0.597031813	M28	Glipr1	0.012
Lpxn	1.99822E-05	0.87539755	0.024	0.011	0.6205066	M28	Lpxn	0.013
Arhgap15	2.02671E-05	0.76267975	0.016	0.006	0.629354202	M28	Arhgap15	0.01
Ctsw	2.02689E-05	1.25609051	0.019	0.008	0.629408751	M28	Ctsw	0.011
Camk1d	2.21185E-05	0.8650984	0.012	0.003	0.686845053	M28	Camk1d	0.009
Gna15	2.27749E-05	0.73174873	0.01	0.002	0.707230493	M28	Gna15	0.008
Ptprcap	2.44937E-05	1.01891199	0.025	0.012	0.760604278	M28	Ptprcap	0.013
Elmo1	2.54225E-05	0.96451508	0.017	0.007	0.789443553	M28	Elmo1	0.01
Cpxm1	2.80687E-05	1.11217378	0.012	0.004	0.871615826	M28	Cpxm1	0.008
Nfkbia	3.29988E-05	0.75883034	0.409	0.406	1	M28	Nfkbia	0.003
Ifitm6	3.46937E-05	0.90807849	0.014	0.005	1	M28	Ifitm6	0.009
Tmem88	3.50478E-05	0.8386469	0.05	0.032	1	M28	Tmem88	0.018
Ctsh	4.08923E-05	0.78986235	0.229	0.203	1	M28	Ctsh	0.026
Ly9	4.51987E-05	0.83408404	0.017	0.007	1	M28	Ly9	0.01
Mfsd12	4.53611E-05	0.69966833	0.114	0.088	1	M28	Mfsd12	0.026
Myo5c	4.54026E-05	0.78803435	0.021	0.009	1	M28	Myo5c	0.012
Slc27a1	4.55472E-05	0.78363656	0.216	0.188	1	M28	Slc27a1	0.028
Tgfb3	4.61742E-05	0.88426716	0.045	0.027	1	M28	Tgfb3	0.018
Tagln	4.70494E-05	1.03080843	0.026	0.013	1	M28	Tagln	0.013
Kat2b	5.39633E-05	0.74388287	0.271	0.249	1	M28	Kat2b	0.022

Inhba	5.72293E-05	1.40309029	0.012	0.004	1	M28	Inhba	0.008
Gimap6	6.34228E-05	0.9801203	0.018	0.008	1	M28	Gimap6	0.01
Ctla4	6.53921E-05	0.75795127	0.018	0.008	1	M28	Ctla4	0.01
Cd80	6.65205E-05	0.78935613	0.01	0.003	1	M28	Cd80	0.007
Rhbdf2	6.79465E-05	0.77998128	0.076	0.054	1	M28	Rhbdf2	0.022
Mmp13	6.92682E-05	0.99003265	0.01	0.003	1	M28	Mmp13	0.007
Fam26f	7.54804E-05	1.07163365	0.021	0.01	1	M28	Fam26f	0.011
Lrp1	8.00513E-05	0.76471998	0.152	0.124	1	M28	Lrp1	0.028
Fam129a	8.38686E-05	0.73938094	0.186	0.157	1	M28	Fam129a	0.029
Mamld1	8.60438E-05	1.03159068	0.035	0.02	1	M28	Mamld1	0.015
Hes1	8.69889E-05	0.90173845	0.18	0.154	1	M28	Hes1	0.026
Map6	8.97114E-05	0.77503946	0.121	0.096	1	M28	Map6	0.025
Gm10451	9.53516E-05	0.70771267	0.023	0.011	1	M28	Gm10451	0.012
Xdh	0.000101616	1.08927467	0.023	0.011	1	M28	Xdh	0.012
Col5a2	0.000110262	1.16951434	0.015	0.006	1	M28	Col5a2	0.009
Pira2	0.000140031	0.76890263	0.01	0.003	1	M28	Pira2	0.007
Sphk1	0.000154322	1.01515154	0.074	0.053	1	M28	Sphk1	0.021
Gm6377	0.00015545	0.8041029	0.016	0.007	1	M28	Gm6377	0.009
Bahd1	0.000164099	0.71519078	0.131	0.106	1	M28	Bahd1	0.025
Cd3e	0.000177881	0.79622939	0.016	0.007	1	M28	Cd3e	0.009
Fyb	0.000203388	0.95609857	0.138	0.114	1	M28	Fyb	0.024
Itk	0.000242442	0.92582215	0.011	0.004	1	M28	Itk	0.007
Dusp5	0.000271023	0.69855804	0.113	0.089	1	M28	Dusp5	0.024
Cish	0.000276304	1.08205565	0.027	0.015	1	M28	Cish	0.012
Gatm	0.000277023	0.74559132	0.021	0.01	1	M28	Gatm	0.011
Sqor	0.000290603	0.70221904	0.01	0.003	1	M28	Sqor	0.007
Ikzf4	0.000296422	0.84027571	0.046	0.03	1	M28	Ikzf4	0.016
Mcub	0.000312707	0.82752946	0.042	0.027	1	M28	Mcub	0.015
Sfxn3	0.000322726	0.88865056	0.18	0.158	1	M28	Sfxn3	0.022
Notch1	0.000325561	0.93315012	0.038	0.024	1	M28	Notch1	0.014
Asprv1	0.000327676	0.94723888	0.01	0.004	1	M28	Asprv1	0.006
Il18rap	0.000353954	0.95820212	0.012	0.005	1	M28	Il18rap	0.007
Pnck	0.000359524	0.83008775	0.041	0.027	1	M28	Pnck	0.014
G0s2	0.000377185	0.85066824	0.059	0.082	1	M28	G0s2	-0.023
Itgax	0.000468348	1.01281403	0.014	0.006	1	M28	Itgax	0.008
1700093K21R	0.000546963	0.76966352	0.01	0.004	1	M28	1700093K21R	0.006
Lrmp	0.000549429	0.92930963	0.013	0.006	1	M28	Lrmp	0.007
Ramp1	0.000586822	1.09045056	0.014	0.006	1	M28	Ramp1	0.008
Arg2	0.000649896	1.1182347	0.016	0.008	1	M28	Arg2	0.008
Kif3c	0.00069052	0.73608128	0.125	0.103	1	M28	Kif3c	0.022
Lfng	0.000706487	0.71966309	0.012	0.005	1	M28	Lfng	0.007
Rgs2	0.00082773	0.86974932	0.146	0.125	1	M28	Rgs2	0.021
Basp1	0.000889851	0.76626907	0.338	0.33	1	M28	Basp1	0.008
Cd33	0.000890641	0.75061542	0.011	0.005	1	M28	Cd33	0.006
Coro2a	0.000904942	0.91238126	0.011	0.005	1	M28	Coro2a	0.006
Gm12840	0.000995108	0.72614431	0.01	0.004	1	M28	Gm12840	0.006
Gm29083	0.001151479	0.76765568	0.068	0.05	1	M28	Gm29083	0.018
Ccr7	0.001372988	0.69676101	0.013	0.006	1	M28	Ccr7	0.007
Slamf8	0.001392247	0.76522643	0.013	0.006	1	M28	Slamf8	0.007
Fas	0.001773007	0.77013387	0.012	0.005	1	M28	Fas	0.007
Nfatc1	0.001854259	0.83947794	0.031	0.02	1	M28	Nfatc1	0.011
Clcf1	0.001894379	0.91062125	0.012	0.006	1	M28	Clcf1	0.006
Alas2	0.00246232	0.7147516	0.12	0.1	1	M28	Alas2	0.02
Cd36	0.002506383	0.86681571	0.022	0.013	1	M28	Cd36	0.009
Hopx	0.002805792	1.00278707	0.012	0.006	1	M28	Hopx	0.006
Macrod1	0.003176023	0.82883397	0.111	0.093	1	M28	Macrod1	0.018
Egr3	0.003457754	0.75359216	0.016	0.009	1	M28	Egr3	0.007
Des	0.00361281	1.21118239	0.038	0.053	1	M28	Des	-0.015
Gpr35	0.003658824	0.80402576	0.032	0.021	1	M28	Gpr35	0.011

Dgka	0.003679873	0.96699449	0.018	0.01	1	M28	Dgka	0.008
Rhoh	0.004453373	0.97841872	0.015	0.008	1	M28	Rhoh	0.007
2310001H17R	0.005433386	0.80087206	0.011	0.005	1	M28	2310001H17R	0.006
Clec2d	0.006163609	0.97545678	0.074	0.06	1	M28	Clec2d	0.014
Zfp365	0.006173721	0.76380456	0.095	0.079	1	M28	Zfp365	0.016
Pkp3	0.006758812	1.15515099	0.012	0.006	1	M28	Pkp3	0.006
Atp8b4	0.007109597	0.82111746	0.017	0.01	1	M28	Atp8b4	0.007
Traf3ip3	0.007118877	0.91816772	0.012	0.006	1	M28	Traf3ip3	0.006
Fcgr2b	0.009356586	0.74544865	0.093	0.078	1	M28	Fcgr2b	0.015
Mmp2	0.009483515	0.69343976	0.075	0.061	1	M28	Mmp2	0.014
Plekho2	0.009825584	0.74186423	0.163	0.146	1	M28	Plekho2	0.017