

## Supplemental File II E2\_up and down regulated DEG in CD68+ cells

## Genes Downregulated upon E2-treatment

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Gm42418	4.01E-99	-0.30987	1	1	1.92E-94
Pabpc1	3.29E-61	-0.30645	0.986	0.977	1.57E-56
Ifi202b	9.77E-56	-0.45888	0.255	0.511	4.66E-51
Rpl23a	2.64E-52	-0.33947	0.912	0.936	1.26E-47
Clec7a	4.90E-48	-0.68226	0.765	0.877	2.34E-43
Prkcd	8.90E-46	-0.4952	0.865	0.921	4.25E-41
Qsox1	7.86E-43	-0.29814	0.152	0.348	3.75E-38
Ywhaz	2.14E-40	-0.34652	0.881	0.923	1.02E-35
Mir6236	8.77E-38	-0.47949	0.909	0.932	4.18E-33
Arg1	6.62E-30	-1.49079	0.121	0.268	3.16E-25
Gm13339	2.23E-28	-0.32348	0.692	0.769	1.07E-23
Hnrnpa2b1	6.74E-27	-0.25075	0.936	0.934	3.22E-22
Ddx3x	1.10E-26	-0.26479	0.832	0.882	5.27E-22
Lcp1	1.56E-26	-0.27897	0.961	0.965	7.43E-22
Cd44	2.53E-25	-0.36365	0.825	0.883	1.21E-20
Dazap2	6.58E-25	-0.25305	0.897	0.933	3.14E-20
Rnf19b	1.65E-24	-0.40714	0.455	0.593	7.88E-20
Arl4c	2.26E-24	-0.32545	0.817	0.853	1.08E-19
Rbms1	4.29E-24	-0.30603	0.862	0.881	2.05E-19
Bhlhe40	1.05E-23	-0.42137	0.388	0.543	5.00E-19
Cbl	1.81E-23	-0.25872	0.753	0.819	8.63E-19
Actg1	3.24E-23	-0.27253	0.997	0.991	1.55E-18
Lars2	3.72E-23	-0.27375	0.816	0.854	1.77E-18
Hk2	2.20E-22	-0.31606	0.59	0.7	1.05E-17
Cdh1	2.81E-22	-0.46823	0.065	0.17	1.34E-17
Ass1	2.88E-21	-0.29806	0.125	0.251	1.38E-16
Cd53	9.47E-21	-0.28312	0.925	0.93	4.52E-16
Hnrnpu	9.81E-21	-0.2502	0.656	0.745	4.68E-16
Zeb2	4.16E-19	-0.27039	0.953	0.949	1.98E-14
Malt1	4.79E-19	-0.44968	0.255	0.383	2.28E-14
Rbbp6	8.16E-19	-0.26927	0.585	0.68	3.90E-14
Tes	2.93E-18	-0.26628	0.253	0.379	1.40E-13
AA467197	9.88E-18	-1.1474	0.121	0.23	4.72E-13
Hexim1	1.18E-16	-0.25983	0.511	0.621	5.63E-12
Adam8	1.26E-16	-0.53147	0.345	0.462	6.02E-12
Plek	2.00E-16	-0.31211	0.837	0.87	9.57E-12
Jak2	8.82E-16	-0.32942	0.364	0.474	4.21E-11
Zfp36l2	1.44E-14	-0.27323	0.941	0.9	6.87E-10
Ccl24	3.00E-14	-1.19584	0.13	0.227	1.43E-09
Slc7a11	3.97E-14	-0.38456	0.161	0.265	1.90E-09
Tapbp	2.06E-13	-0.25423	0.786	0.829	9.83E-09
Epb41l2	2.70E-13	-0.26678	0.426	0.525	1.29E-08
Rbpj	3.18E-13	-0.2858	0.733	0.782	1.52E-08
Havcr2	3.54E-13	-0.27376	0.287	0.388	1.69E-08

B4galt1	6.35E-13	-0.25928	0.474	0.566	3.03E-08
Nfkb1	9.03E-13	-0.31868	0.72	0.769	4.31E-08
Cish	1.09E-12	-0.28776	0.157	0.255	5.21E-08
Hif1a	1.10E-12	-0.30163	0.688	0.725	5.24E-08
N4bp1	1.71E-12	-0.27229	0.514	0.6	8.15E-08
Cox17	7.12E-12	-0.25158	0.802	0.814	3.40E-07
Ero1l	8.97E-12	-0.36815	0.267	0.36	4.28E-07
Tgfb1	9.25E-12	-0.28736	0.959	0.941	4.42E-07
Etv3	1.07E-11	-0.25332	0.439	0.54	5.11E-07
Mmp14	3.05E-11	-0.42337	0.292	0.385	1.46E-06
Rgcc	4.49E-11	-0.33561	0.197	0.295	2.14E-06
Slc7a2	1.60E-10	-0.45817	0.073	0.141	7.64E-06
Hbegf	1.88E-10	-0.28825	0.052	0.111	8.96E-06
Rhob	9.86E-10	-0.34427	0.416	0.499	4.71E-05
Dusp5	1.08E-09	-0.26439	0.391	0.478	5.17E-05
Nampt	1.54E-09	-0.25391	0.404	0.478	7.35E-05
Csrnp1	1.87E-09	-0.27956	0.541	0.609	8.91E-05
Slc2a1	3.02E-09	-0.27258	0.302	0.377	0.000144
Mafb	4.04E-09	-0.27317	0.811	0.842	0.000193
Il1rn	1.92E-08	-0.70865	0.284	0.356	0.000918
Itgax	6.41E-08	-0.27182	0.229	0.308	0.003058
Scd2	1.30E-07	-0.32672	0.309	0.377	0.006206
Smox	7.56E-07	-0.27427	0.307	0.373	0.036086
Fam129b	1.02E-06	-0.27316	0.488	0.537	0.048555
Clic4	1.16E-06	-0.28359	0.512	0.563	0.055551
Hilpda	3.80E-06	-0.38177	0.159	0.218	0.181233
Bnip3	4.87E-06	-0.32411	0.224	0.28	0.232537
Gatm	9.90E-06	-0.47277	0.389	0.436	0.472454
Retnla	0.000216	-1.01252	0.114	0.157	1
Sdc4	0.000116	-0.57293	0.422	0.442	1
Spp1	0.012489	-0.53669	0.241	0.2	1
Timp1	0.109847	-0.39221	0.102	0.118	1
Srgn	0.003933	-0.37507	0.956	0.938	1
Slpi	0.760551	-0.36953	0.251	0.248	1
Tgm2	0.003778	-0.34501	0.525	0.539	1
Id2	0.000906	-0.32347	0.497	0.526	1
Lyz1	0.802287	-0.31085	0.11	0.109	1
Cxcl2	0.080087	-0.31077	0.436	0.396	1
Emp1	0.007151	-0.30161	0.245	0.278	1
Ighm	0.005633	-0.26937	0.449	0.478	1
Errfi1	0.007164	-0.26125	0.333	0.362	1
Ptgs2	0.418583	-0.2589	0.281	0.294	1
Grina	0.040204	-0.25269	0.609	0.597	1

Genes up-regulated upon E2-treatment

	p_val	avg_logFC	pct.1	pct.2	p_val_adj
Fcer1g	1.70E-73	0.313666	0.991	0.959	8.12E-69
Rps20	3.20E-71	0.292162	0.988	0.963	1.53E-66

Rplp0	3.21E-70	0.333023	0.988	0.963	1.53E-65
Gm10076	3.18E-66	0.375729	0.776	0.536	1.52E-61
Cst3	2.22E-63	0.344584	0.993	0.974	1.06E-58
Rpl9	2.26E-55	0.258515	0.99	0.967	1.08E-50
Rps11	9.76E-55	0.270445	0.992	0.967	4.66E-50
Itm2b	2.29E-51	0.410393	0.988	0.955	1.09E-46
Rps2	2.13E-46	0.274231	0.982	0.947	1.02E-41
Rpl3	7.06E-45	0.277989	0.983	0.947	3.37E-40
Rpl29	1.93E-44	0.254772	0.981	0.939	9.21E-40
Rpl21	4.96E-43	0.256687	0.975	0.93	2.37E-38
Hint1	9.37E-43	0.254822	0.949	0.886	4.47E-38
H2-D1	1.74E-42	0.280774	0.993	0.978	8.30E-38
Ifitm2	7.32E-42	0.373988	0.963	0.892	3.50E-37
Dpep2	7.61E-41	0.372547	0.635	0.403	3.63E-36
Chil3	1.08E-36	1.252599	0.497	0.324	5.15E-32
Thbs1	1.21E-36	0.31892	0.754	0.55	5.79E-32
Trem2	2.05E-36	0.483108	0.736	0.547	9.79E-32
Cd48	8.60E-33	0.271492	0.77	0.586	4.11E-28
Gm10222	1.08E-31	0.257707	0.924	0.838	5.14E-27
Apoe	5.96E-29	0.56897	0.91	0.834	2.85E-24
Ifi27l2a	5.41E-28	0.524508	0.832	0.734	2.58E-23
Tspo	2.97E-26	0.26039	0.949	0.888	1.42E-21
Al607873	3.82E-26	0.278624	0.669	0.487	1.82E-21
Ckb	6.26E-26	0.284662	0.544	0.351	2.99E-21
Fcrls	1.22E-25	0.563825	0.363	0.181	5.82E-21
Tmem176f	1.42E-24	0.320935	0.827	0.711	6.76E-20
Bst2	4.38E-23	0.296136	0.727	0.565	2.09E-18
Itga6	6.45E-23	0.343685	0.427	0.257	3.08E-18
Lyz2	2.71E-22	0.288498	0.987	0.972	1.30E-17
Tmem176a	6.13E-22	0.339366	0.755	0.63	2.93E-17
AF251705	9.56E-22	0.263936	0.862	0.744	4.56E-17
Mt1	2.24E-21	0.400572	0.67	0.527	1.07E-16
Gdf3	2.69E-21	0.285113	0.193	0.064	1.28E-16
Lrg1	3.40E-21	0.366331	0.15	0.036	1.62E-16
Rgs10	3.29E-20	0.259922	0.766	0.656	1.57E-15
Mgl2	7.17E-20	0.57124	0.391	0.227	3.42E-15
Cfh	1.63E-16	0.262516	0.393	0.245	7.79E-12
Arl5c	1.13E-12	0.265557	0.482	0.368	5.38E-08
Cd14	3.49E-12	0.271502	0.86	0.788	1.66E-07
Pf4	3.97E-12	0.471453	0.32	0.204	1.89E-07
C1qb	4.94E-12	0.518768	0.516	0.428	2.36E-07
Ifitm3	2.23E-10	0.27548	0.91	0.856	1.07E-05
Ccrl2	5.20E-10	0.32632	0.383	0.284	2.48E-05
C1qa	4.09E-09	0.42138	0.468	0.372	0.000195
C1qc	8.10E-09	0.420775	0.484	0.397	0.000387
Id3	1.63E-08	0.269949	0.281	0.191	0.00078
Ly6c2	0.312581	0.265697	0.364	0.377	1

S100a8	9.16E-05	0.785754	0.138	0.088	1
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