

#### Figure S1. Mononuclear phagocytic cells of the mammary gland, tumor and their draining lymph nodes, related to Figure 1.

(A) Flow cytometric gating strategy for mononuclear phagocytes in mammary gland and PyMT tumor: DC1s (green, CD45<sup>+</sup>Lin<sup>-</sup>F4/80<sup>-</sup>Ly6C<sup>-</sup>CD11c<sup>+</sup>MHC-II<sup>+</sup>Xcr1<sup>+</sup>), DC2s (orange, CD45<sup>+</sup>Lin<sup>-</sup>F4/80<sup>-</sup>Ly6C<sup>-</sup>CD11c<sup>+</sup>MHC-II<sup>+</sup>CD11b<sup>+</sup>), monocytes (pink, CD45<sup>+</sup>Lin<sup>-</sup>F4/80<sup>+</sup>Ly6C<sup>+</sup>CD11b<sup>+</sup>), MTMs (blue, CD45<sup>+</sup>Lin<sup>-</sup>F4/80<sup>+</sup>Ly6C<sup>-</sup>Mrc1<sup>+</sup>) and TAMs (red, CD45<sup>+</sup>Lin<sup>-</sup>F4/80<sup>+</sup>Ly6C<sup>-</sup>Mrc1<sup>-</sup>) (Lin = Ly6G, B220, SiglecF, dead cells). Expression of Vcam1 and MHC-II on TAMs is also displayed.

(B) CD103 expression on Xcr1<sup>+</sup> DC1s from mammary gland (dashed line) and tumor (solid line).

(C) Representative flow cytometric plots for resident (black, CD11c<sup>high</sup>MHCII<sup>int</sup>) and migratory (gray, CD11c<sup>+</sup>MHC-II<sup>high</sup>) DC1s (XCR1<sup>+</sup>) and DC2s (CD11b<sup>+</sup>) in mammary gland- or tumordraining lymph node. Expression of CD103 in lymph node DC populations is shown for non-tumor bearing and tumor bearing mice. Data is representative of at least 3 independent experiments.



### Figure S2. Leukocyte populations in tumor and tumor-draining lymph nodes of CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup>PyMT mice, related to Figure 2.

(A) IRF8 protein expression as determined by flow cytometric analysis in DC1s, DC2s, monocytes, MTMs and TAMs from tumors in *Irf8*<sup>fl/fl</sup>PyMT (black line) and CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup>PyMT (gray line) mice. No CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup> DC1 cells were detected; fluorescence minus one (FMO) sample unstained for IRF8 in shaded gray.

(B) Representative flow cytometric gating and quantification of tumor-draining lymph nodes in  $Irf 8^{fl/fl}$ PyMT (black circles) and CD11c<sup>Cre</sup>  $Irf 8^{fl/fl}$ PyMT (gray circles) mice (n=6 per group), resident DC (black box), migratory DC (gray box), DC1 (green bar) and DC2 (orange bar).

(C) Representative flow plots and quantification of tumor-infiltrating T lymphocyte populations in *Irf8*<sup>fl/fl</sup>PyMT and CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup>PyMT mice. Each circle represents one mouse, data displayed as mean +/- SEM, fold change value of DCs from *Irf8*<sup>fl/fl</sup>PyMT versus CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup>PyMT mice are displayed above significant comparisons (unpaired student's t test, two-tailed, \* = p<0.05, \*\*\*\* = p<0.0001).

(D) Tumor growth curves from CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup>PyMT (n=11) and littermate and cagemate *Irf8*<sup>fl/fl</sup>PyMT controls (n=8) (2-way ANOVA, not significant).



#### Figure S3. IRF8-dependent gene expression in TAMs, related to Figure 3.

(A) Average z-score of genes significantly upregulated in TAMs sorted from tumors of *Irf8*<sup>fl/fl</sup>PyMT and CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup>PyMT mice. RNA was extracted and sequenced. Genes were grouped based on cell localization and function, excluding genes with unknown functions, pseudogenes and noncoding RNAs (*Art2a-ps, Nhsl2, Tmem181c-ps,* and *4933400F21Rik*) (base mean > 50, FDR < 0.05, log<sub>2</sub> fold change > 2).

(B) CDF plot displaying enrichment of IRF8-repressed gene signatures in PyMT tumor DC1 (green), DC2 (orange), monocyte (pink), MTM (blue), and TAM (red) RNAseq datasets from Figure 1.

(C) Principal component analysis performed in Figure 1B, now displaying two *Irf8*<sup>fl/fl</sup> and CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup> TAM pairs along with 5 groups of mononuclear phagocytes from PyMT tumors.



#### Figure S4. Exploring the role of IRF8 in mixed bone marrow chimeras and upon deletion via macrophage-specific MafB<sup>iCre</sup> mice, related to Figures 4 to 5

(A) Reporter for Cre activity (YFP expression) in PyMT cancer cells (CD45<sup>-</sup>CD31<sup>-</sup>TER119<sup>-</sup> CD24<sup>+</sup>CD29<sup>+</sup>) of S100a8<sup>Cre</sup>*Rosa26*<sup>LSL-YFP</sup>PyMT mice.

(B) Reporter for Cre activity (YFP expression) in tumor-infiltrating immune cells, including TAMs (red), MTMs (dark blue), monocytes (pink) and neutrophils (light blue, CD45<sup>+</sup>Ly6G<sup>+</sup>Ly6C<sup>+</sup>) of S100a8<sup>Cre</sup>*Rosa26*<sup>LSL-YFP</sup>PyMT mice.

(C) Representative flow cytometric gating of tumor immune infiltrate in chimeric mice, related to Figure 3. Representative of nine independent experiments.

(D) Representative flow cytometric gating of tumor-draining lymph node migratory DC1s from chimeric mice, related to Figure 4.

(E) IRF8 protein expression as determined by flow cytometric analysis in DC1s, DC2s, monocytes, MTMs and TAMs from tumors in *Irf8*<sup>fl/fl</sup>PyMT (black) and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT (gray) mice, and a fluorescence minus one (FMO) sample unstained for IRF8 in shaded gray.

(F) Representative histograms and quantification of expression of CD80, CD86 and PD-L1 in DC1s, DC2s, monocytes, MTMs and TAMs in tumors of *Irf8*<sup>fl/fl</sup>PyMT (n=5) and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT (n=4) mice.

(G) Expression of PD-1 and CTV of OT-I T cells after 72 h coculture with TAMs sorted from tumors of *Irf8*<sup>fl/fl</sup>PyMT and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT mice. TAMs were pulsed with the SIINFEKL peptide for 1 h and then peptide was washed away before coculture.

(H) Expression of PD-1 and CTV of OT-I T cells after 72 h coculture with TAMs or cancer cells sorted from PyMT tumors. TAMs and cancer cells were pulsed with the SIINFEKL peptide for 1 h and then peptide was washed away before coculture.

Each circle represents one mouse, data displayed as mean +/- SEM, unpaired student's t-test, ns = not significant.



Figure S5. MafB<sup>iCre</sup>*Irf8<sup>tl/fl</sup>*PyMT mice display TAM defects while maintaining normal DC and T cell abundances with enhanced effector CTL responses supporting cancer surveillance, related to Figure 5.

(A) Representative flow cytometric gating of DC1s, DC2s, F4/80+SiglecF<sup>-</sup>cells, monocytes, MTMs and TAMs from *Irf8*<sup>fl/fl</sup>PyMT and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT mice corresponding to quantification displayed in Figure 5A-B.

(B) Representative flow cytometric gating and quantification of resident (black) and migratory (gray) DC1s and DC2s in tumor-draining lymph nodes of *Irf8*<sup>fl/fl</sup>PyMT (black circles, n=9) and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT (white circles, n=8) mice.

(C) Representative flow cytometric plot of MHC-II and Vcam1 expression in *Irf8*<sup>fl/fl</sup>PyMT and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT TAMs corresponding to quantification displayed in Figure 5C, MFI indicated on representative plot.

(D) Representative flow quantification of tumor-infiltrating lymphocytes in *Irf8*<sup>fl/fl</sup>PyMT and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT mice, corresponding to quantification displayed in Figure 5D.

(E) Quantification of total TCR $\beta^+$  cells in tumors of *Irf8*<sup>fl/fl</sup>PyMT (black circle, n=16) and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT (white circle, n=11) mice.

(F) Representative flow cytometric analysis (top) and quantification (bottom) of PD-1 and granzyme B (GzmB) expression among TCR $\beta^+$ CD8 $\alpha^+$ NK1.1<sup>-</sup> cells of *Irf8*<sup>fl/fl</sup>PyMT (n=14) and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT (n=9) mouse tumors.

(G) Schematic depicting experimental design for assessment of TAM function in a tumor antigenspecific model. CD45.1 S100a8<sup>Cre</sup>*LSL-USA*PyMT mice were irradiated and received either CD45.2 *Irf8*<sup>fl/fl</sup> or MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup> bone marrow. Chimeric mice were aged, allowing tumors to grow, and upon moderate tumor burden, 1x10<sup>6</sup> naïve CD45.1.2 OT-I T cells were transferred and analyzed by flow cytometry two weeks later, related to Figure 5K.

(H) Representative flow cytometric analysis of PD-1 and GzmB expression in CD45.1.2 OT-I T cells two weeks after transfer in chimeric mice, related to Figure 5K.

(I) Expression of CD4 and CD8 among TCR $\beta^+$  cells in blood from *Irf8*<sup>fl/fl</sup>PyMT and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT mice receiving a CD8 depletion antibody.

(J) Weekly tumor measurements from *Irf8*<sup>fl/fl</sup>PyMT (n=6) and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT (n=7) mice treated with a CD8 depletion antibody every 3-4 days, beginning around 14 weeks of age for 5 weeks.

Data are displayed as mean +/- SEM, fold change value of  $Irf 8^{fl/fl}$ PyMT versus MafB<sup>iCre</sup> $Irf 8^{fl/fl}$ PyMT means are displayed above significant comparisons (E, F: unpaired student's t test, two-tailed, \* = p < 0.05, \*\*\* = p < 0.001, H: two-way ANOVA, ns = not significant).

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## Figure S6. Differentially expressed transcripts among scRNAseq clusters, related to Figure 5.

Expression of genes in all cells in all 9 clusters. Top twenty differentially expressed genes (DEGs) among each cluster relative to all the others are shown. For clusters with "a" and "b", DEGs were determined by shared DEGs among "a" cluster versus all other clusters minus "b", and "b" cluster versus all other clusters minus "a".



# **Figure S7. IRF8 governs TAM control of T cell exhaustion, related to Figures 1 to 7.** Model summarizing findings, showing DC1, TAM and CD8<sup>+</sup> T cell fates in tumor-draining lymph nodes (dLN) and tumor of PyMT, CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup>PyMT and MafB<sup>iCre</sup>*Irf8*<sup>fl/fl</sup>PyMT mice.

Supplemental Tables

Table S1. Differentially expressed transcription factor genes among monocytes, MTMs, and TAMs, related to Figure 1.

Table S2. Differentially expressed genes between *Irf8*<sup>fl/fl</sup> and CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup> TAMs, related to Figures 3 and S3.

Table S3. Ingenuity Pathway Analysis for *Irf8*<sup>fl/fl</sup> versus CD11c<sup>Cre</sup>*Irf8*<sup>fl/fl</sup> TAMs, related to Figure 3.

Table S4. Ingenuity Pathway Analysis for TAMs versus DC1s, related to Figure 4.

Table S5. Differentially expressed genes between "a" and "b" clusters in scRNAseq, related to Figures 5 and S6.

Table S1 Differentially expressed transcription factor genes among monocytes (Mono), MTMs and TAMs, related to Figure 1										
		Mean Exp	ression		Adj P Value	(FDR)		Log2 Fold	Change	
		Mono vs	TAM vs	TAM vs	Mono vs	TAM vs	TAM vs	Mono vs	TAM vs	TAM vs
EntrezID	Gene	мтм	мтм	Mono	мтм	МТМ	Mono	МТМ	мтм	Mono
11622	Ahr	3718	1199	2935	0.0000	0.5871	0.0000	2.12	-0.36	-2 47
11632	Ain	5310	4433	5527	0.0220	0 4034	0 1413	0.82	0.34	-0.48
100182	Akna	12934	7846	10744	0.0017	0.3322	0.0000	0.90	-0.33	-1.23
11702		21/8	2807	2/38	0.0017	0.7435	0.0000	-0.84	0.00	0.08
12406	Arid2o	1/21	2037	2430	0.0044	0.7433	0.0001	-0.04	0.15	1.50
13490	Aridah	704	1101	1217	0.0001	0.7420	0.0000	1.34	-0.10	-1.50
014055	AridEe	704	1121	7402	0.9694	0.0792	0.0466	0.01	0.78	0.77
214855	Aridoa	9332	4378	7483	0.0478	0.6512	0.0011	1.39	-0.39	-1.78
11003	Ami Deala	2431	1000	2177	0.1130	0.5566	0.0026	0.47	-0.19	-0.00
12013	Bachi	2945	1525	2227	0.0328	0.1309	0.0000	0.96	-0.68	-1.64
53314	Batt	1912	1100	1666	0.0424	0.9167	0.0060	1.22	-0.10	-1.31
381319	Batt3	884	1530	1439	0.4935	0.0268	0.0001	-0.40	0.90	1.30
14025	Bcl11a	503	72	376	0.0000	0.4044	0.0000	3.22	-0.75	-3.97
12053	Bcl6	1978	1389	1801	0.0374	0.9464	0.0065	0.83	-0.04	-0.87
17341	Bhlha15	185	226	333	0.0059	0.0023	0.9779	2.97	3.03	0.06
20893	Bhlhe40	19133	9958	10440	0.9181	0.0006	0.0001	0.12	-1.91	-2.03
79362	Bhlhe41	633	994	751	0.0984	0.9452	0.0247	-1.61	0.10	1.72
237911	Brip1	291	269	116	0.0000	0.0000	0.1029	-2.50	-1.86	0.64
74007	Btbd11	97	307	284	0.5506	0.1525	0.0054	-0.95	1.71	2.66
228662	Btbd3	175	252	226	0.2486	0.3637	0.0036	-0.58	0.42	1.00
12227	Btg2	52254	32927	45386	0.0592	0.8150	0.0048	0.96	-0.16	-1.12
12606	Cebpa	3900	7465	6061	0.0002	0.2035	0.0000	-1.50	0.58	2.08
12608	Cebpb	76206	25581	50393	0.0039	0.0004	0.0000	1.35	-1.49	-2.85
12609	Cebpd	6519	4456	7290	0.0000	0.0168	0.0244	1.92	1.03	-0.88
110794	Cebpe	162	63	70	0.9239	0.0000	0.0000	0.18	-3.97	-4 15
106143		5306	4171	4783	0.1382	0.6681	0.0079	0.46	-0.15	-0.61
232791	Cnot3	1796	1294	1555	0.1002	0.6220	0.0078	0.58	-0.24	-0.82
12013	Creh3	3238	3623	1000	0.0607	0.0220	0.6490	0.57	0.24	0.02
231001	Creb5	8/3	1100	614	0.0074	0.5888	0.0430	-2 70	-0.69	2.01
12014	Crebbo	1447	1020	1252	0.0074	0.0000	0.0219	-2.70	-0.09	2.01
12914		7060	1039	1202	0.1762	0.0022	0.0065	0.09	-0.24	-0.03
13047	Cux1	7069	4373	4412	0.9464	0.0000	0.0000	0.03	-1.31	-1.34
13134	Dachi	142	234	149	0.0722	0.9452	0.0365	-3.14	-0.19	2.95
13170	Dop	57	148	135	0.0867	0.0011	0.0000	-0.93	1.38	2.31
13198	Dait3	674	1096	960	0.1644	0.3041	0.0008	-0.79	0.56	1.35
102442	Dennd4a	2998	1506	1953	0.5365	0.0650	0.0010	0.60	-1.29	-1.89
13555	E2f1	1928	2440	1743	0.0033	0.5859	0.0104	-1.51	-0.36	1.15
242705	E2f2	3918	1575	3169	0.0000	0.5500	0.0000	1.76	-0.29	-2.05
13559	E2f5	373	458	342	0.0122	0.6076	0.0319	-1.27	-0.32	0.95
52679	E2f7	172	158	38	0.0000	0.0082	0.0208	-4.82	-2.61	2.21
108961	E2f8	545	521	245	0.0000	0.0001	0.1162	-2.35	-1.65	0.70
13560	E4f1	1538	1090	1282	0.2835	0.3827	0.0056	0.49	-0.37	-0.86
13654	Egr2	5577	4551	2352	0.0063	0.0003	0.7218	-1.67	-1.94	-0.27
13655	Egr3	202	278	176	0.0269	0.7426	0.0360	-2.33	-0.45	1.88
13661	Ehf	647	1027	1228	0.1967	0.0155	0.4717	1.29	1.93	0.65
69257	Elf2	1137	1460	1611	0.3602	0.0298	0.3638	0.53	0.94	0.42
56501	Elf4	5831	3641	4804	0.0540	0.4078	0.0002	0.80	-0.37	-1.17
13711	Elf5	74	204	221	0.4735	0.0029	0.0496	0.92	2.56	1.64
13713	Elk3	2616	1785	1973	0.6179	0.0887	0.0033	0.29	-0.70	-0.98
13714	Elk4	864	542	655	0.1171	0.0177	0.0000	0.52	-0.67	-1.19
13982	Esr1	379	212	295	0.2994	0.5094	0.0144	0.89	-0.55	-1.44
26379	Esrra	1316	1758	1734	0.8986	0.0206	0.0034	-0.06	0.60	0.66
104156	Etv5	2687	4336	3170	0.0050	0.9505	0.0004	-1.89	0.07	1.96
14011	Etv6	6339	4050	5412	0.0013	0.4729	0,0000	0.86	-0.24	-1 10
14030	Ewsr1	18438	13004	13262	0.8715	0.0000	0.0000	0.07	-0.84	-0.90
14281	Fos	143211	96088	108581	0.5853	0 1464	0.0064	0.34	-0.68	-1.02
1/283	Fosl1	181	28	124	0.0000	0.2806	0.0007	2.58	-1.96	-4.54
1428/	Fosl2	5720	2234	3520	0.3205	0.2000	0.0007	0.01	-1 75	-2.66
17425	T USIZ	705	2234	5520	0.0235	0.0110	0.0000	1.22	-1.75	-2.00
1/420	FUXK1 Foxm1	695	659	202	0.0074	0.4100	0.0000	2 00	-0.44	1 72
14230		2000	000	200	0.0000	0.0003	0.0020	-3.09	-2.17	1./3
14230		2099	903	1001	0.0057	0.0692	0.0000	1.12	-0.75	-1.8/
/13/5		3/90	2195	3333	0.0000	0.9042	0.0000	1.24	-0.06	-1.30
56458	FOX01	2266	12/5	1781	0.0163	0.1809	0.0000	0.90	-0.53	-1.43
108655	Foxp1	30/1	1188	2001	0.0139	0.0001	0.0000	1.08	-1.46	-2.54
51886	Fubp1	2736	3276	2663	0.0033	0.6691	0.0062	-0.88	-0.17	0.71

14582	Gfi1b	148	96	19	0.1385	0.0000	0.0026	-2.48	-6.36	-3.88
74533	Gzf1	934	648	860	0.0008	0.9831	0.0001	0.91	0.01	-0.90
73389	Hbp1	4657	3746	4691	0.0000	0.2954	0.0009	0.81	0.24	-0.57
15161	Hcfc1	3698	2473	2962	0 2275	0.2050	0.0006	0.53	-0.49	-1.02
15184	Hdac5	6237	3754	5380	0.0064	0.2600	0.0000	1.06	-0.16	-1.02
15205		2422	2106	2060	0.0004	0.1012	0.0001	1.00	-0.10	0.26
15205		2423	2190	3009	0.0412	0.1120	0.0000	1.52	1.10	-0.30
55927	Heso	1701	1927	2156	0.1147	0.0111	0.5875	0.53	0.71	0.18
15248	HIC1	480	786	638	0.1689	0.7426	0.0173	-1.25	0.35	1.60
15251	Hif1a	10515	5659	7520	0.1164	0.0184	0.0000	0.71	-0.90	-1.61
110521	Hivep1	599	368	418	0.6181	0.0383	0.0008	0.34	-0.96	-1.30
15273	Hivep2	945	1080	775	0.0141	0.3736	0.1136	-1.31	-0.54	0.77
15361	Hmga1	1669	1090	1117	0.9464	0.0820	0.0311	0.08	-1.07	-1.15
15384	Hnrnpab	14412	13681	10960	0.0215	0.0226	0.9121	-0.73	-0.68	0.05
15460	Hr	427	368	115	0.0032	0.0125	0.6579	-3.07	-2.51	0.56
15903	ld3	4454	1365	3343	0.0000	0.1494	0.0000	1.98	-0.70	-2.68
22778	lkzf1	4372	2687	3864	0.0001	0.8681	0.0000	1.09	-0.08	-1 17
67143	lkzf5	596	401	483	0.2703	0.3169	0.0029	0.55	-0.46	-1.00
16362	Irf1	10070	7515	10030	0.2700	0.5020	0.0020	1.01	0.40	-0.73
16262	lif2	10070	2405	2660	0.0173	0.3929	0.0404	1.01	0.20	-0.73
10303	1112	4300	2490	3009	0.0000	0.3237	0.0000	1.09	-0.24	-1.34
54131	1113	2107	2696	2000	0.9053	0.1242	0.0412	-0.07	0.51	0.58
16364	Irf4	464	211	157	0.8520	0.0000	0.0000	-0.44	-5.08	-4.64
15900	Irf8	22282	32911	32229	0.8428	0.0209	0.0022	-0.11	0.77	0.88
16391	Irf9	6664	6352	7671	0.0015	0.0179	0.4607	0.79	0.58	-0.20
16468	Jarid2	6613	1891	4446	0.0000	0.0000	0.0000	1.65	-1.52	-3.18
16549	Khsrp	4188	3564	3257	0.4792	0.0232	0.2079	-0.27	-0.62	-0.35
21847	Klf10	8095	3812	5821	0.0295	0.0393	0.0000	1.01	-0.90	-1.90
194655	Klf11	958	573	713	0.4264	0.2192	0.0044	0.58	-0.74	-1.32
50794	Klf13	12302	5227	9324	0.0000	0.0268	0.0000	1.39	-0.66	-2.05
16598	Klf2	29156	12052	22012	0.1089	0.4736	0.0013	1.42	-0.68	-2.10
16599	Klf3	7696	3463	6561	0.0000	0.9545	0.0000	1 74	-0.05	-1 79
16600	Klf4	3542	1649	2049	0.6618	0.0046	0.0001	0.45	-1.82	-2.27
16601	KlfQ	53/	23/	400	0.0010	0.0040	0.0001	1 20	-0.72	-2.01
16078	L rrfin1	12/83	7/1/	0172	0.0000	0.0200	0.0001	0.56	-0.70	_1.35
16659	Mofb	24069	24502	20272	0.2000	0.0494	0.0000	0.50	-0.73	-1.55
17125	Mofle	54900	34505	4724	0.3090	0.3605	0.0470	-0.07	-0.55	0.14
17135	Mark	0400	3030	4731	0.3696	0.2108	0.0030	0.07	-0.80	-1.47
17187	Max	1435	2472	2584	0.6924	0.0067	0.0265	0.31	1.33	1.02
1/188	Maz	2607	2813	2142	0.0184	0.2690	0.2227	-1.03	-0.52	0.50
19014	Med1	2235	1640	1792	0.5602	0.1468	0.0054	0.27	-0.51	-0.78
17268	Meis1	150	70	128	0.0085	0.9805	0.0012	1.66	-0.03	-1.69
17537	Meis3	522	2347	2041	0.0000	0.0000	0.0000	-3.01	1.81	4.81
17342	Mitf	353	492	393	0.0328	0.9542	0.0058	-1.13	0.05	1.18
21428	MIx	2597	2200	2640	0.0044	0.4194	0.0355	0.67	0.23	-0.44
208104	Mlxip	2665	2053	2439	0.1107	0.8659	0.0175	0.58	-0.08	-0.66
17764	Mtf1	1114	889	974	0.3291	0.3584	0.0069	0.31	-0.26	-0.57
17119	Mxd1	16563	5041	9617	0.0291	0.0000	0.0000	1.13	-2.52	-3.66
17121	Mxd3	142	172	83	0.0008	0.3596	0.0112	-3.47	-1.11	2.35
17122	Mxd4	466	763	770	0.9190	0.0019	0.0015	0.07	1.08	1.01
17859	Mxi1	5157	3009	3493	0.6365	0.0439	0.0012	0.37	-1.08	-1.45
17865	Mybl2	381	391	150	0.0000	0.0222	0.0095	-3.54	-1.76	1.79
17869	Myc	2575	3117	2104	0.0000	0.0222	0.0001	-1.67	-0.55	1.10
16018	Mycl	158	540	178	0.0473	0.1712	0.0001	-1.63	1.62	3.25
67001	Nace2	801	1167	955	0.0475	0.0001	0.0000	-1.05	0.10	1.20
19010	Naucz Nifoto2	1261	1602	300 101E	0.0110	0.1301	0.0002	-1.05	0.19	0.71
10019	NialC2	1301	1023	1313	0.0000	0.0004	0.0120	-0.09	-0.10	0.71
18022	INIEZ	32/8	0074	2390	0.0000	0.0001	0.0000	4.75	-2.85	-7.60
18030	INTII3	12428	39/1	8091	0.1822	0.0625	0.0000	1.38	-1.64	-3.03
18033	Nfkb1	5306	2003	4126	0.0000	0.1762	0.0000	1.72	-0.51	-2.23
18034	Nfkb2	11086	5225	8140	0.0785	0.1739	0.0000	1.07	-0.81	-1.88
100978	Nfxl1	1242	2107	1917	0.2863	0.1056	0.0002	-0.59	0.75	1.34
18046	Nfyc	1481	1167	1329	0.1171	0.5806	0.0033	0.43	-0.17	-0.60
22259	Nr1h3	1616	905	1084	0.6795	0.1338	0.0108	0.44	-1.13	-1.56
22026	Nr2c2	883	546	769	0.0126	0.8108	0.0004	1.03	-0.14	-1.17
15370	Nr4a1	68431	27561	52415	0.0278	0.4582	0.0001	1.54	-0.59	-2.13
18227	Nr4a2	2259	1093	1327	0.7947	0.1049	0.0153	0.42	-1.72	-2.14
211323	Nra1	611	30	447	0.0000	0.0781	0.0000	4.42	-1.88	-6.31
11545	Parp1	6795	6616	4924	0.0000	0.0002	0 4446	-0.99	-0.79	0.20
18514	Phy1	494	74	392	0.0000	0.8843	0.0000	3.74	0.17	-3.56
71041	Deafe	21/	303	262	0.0000	0.00-0	0.0000	_0.74	0.17	1.02
11041	FUGIO	L 14	303	202	0.1731	0.0214	0.0093	-0.74	0.29	1.05

18673	Phb	1346	1765	1623	0.3418	0.3749	0.0087	-0.40	0.34	0.74
72057	Phf10	1717	1200	1387	0.2828	0.1659	0.0006	0.43	-0.48	-0.91
54711	Plagl2	1673	1064	1318	0.3270	0.3140	0.0048	0.60	-0.55	-1.15
22038	Plscr1	2267	1568	1252	0.3298	0.0000	0.0041	-0.53	-1.56	-1.03
18987	Pou2f2	1579	1174	1694	0.0253	0.3548	0 1904	1.37	0.63	-0.75
110593	Prdm2	1343	930	1165	0 1917	0.7206	0.0189	0.70	-0.22	-0.92
50907	Preb	5541	4550	5409	0.0045	0.7332	0.0057	0.62	0.10	-0.51
10401	Para	6451	1227	1230	0.0040	0.0000	0.0007	2.11	-2.25	-4.36
10/11	Para	1636	534	1170	0.0000	0.0000	0.0000	1.70	-2.20	-7.66
10664	Raig	2661	2270	1077	0.0010	0.0317	0.0000	0.72	-0.90	-2.00
19004	Rol	2001	2370	2491	0.0030	0.0100	0.7001	-0.72	-0.80	-0.14
19090	Relo	12092	9707	12152	0.0066	0.1037	0.0072	0.59	-1.09	-1.07
19097	Reid	13963	0797	12102	0.0900	0.0390	0.0121	0.97	-0.10	-1.13
19712	Resi	3506	2201	2/13	0.2720	0.1697	0.0008	0.56	-0.61	-1.19
19725	RIXZ	497	71	319	0.0010	0.0000	0.0000	2.32	-3.51	-5.63
19720	RIX3	143	07	114	0.0162	0.5397	0.0001	1.37	-0.43	-1.60
67150	Rhf141	390	306	200	0.3469	0.0052	0.1425	-0.49	-1.06	-0.57
19885	Rorc	79	147	175	0.3069	0.0347	0.4618	1.45	2.33	0.89
12394	Runx1	6076	3864	4642	0.2703	0.0927	0.0001	0.51	-0.65	-1.16
12393	Runx2	175	374	495	0.3856	0.0066	0.0000	0.62	-1.40	-2.02
66118	Sarnp	1783	1246	1473	0.2427	0.3076	0.0020	0.50	-0.40	-0.90
20230	Satb1	110	36	88	0.0124	0.8422	0.0006	2.16	-0.26	-2.41
1/12/	Smad3	1467	1085	1439	0.0123	0.6555	0.0248	0.98	0.22	-0.75
17128	Smad4	4589	3182	3862	0.0365	0.2682	0.0000	0.59	-0.33	-0.92
20665	Sox10	433	908	1080	0.1615	0.0048	0.3372	1.71	2.74	1.03
109032	Sp110	2682	1658	2251	0.0000	0.2612	0.0000	0.88	-0.29	-1.17
78912	Sp2	2401	1543	1839	0.1993	0.0418	0.0000	0.49	-0.64	-1.13
20687	Sp3	3293	2383	2852	0.3351	0.6798	0.0468	0.56	-0.25	-0.81
30051	Spdef	56	123	133	0.6395	0.0474	0.1785	0.71	2.04	1.33
20375	Spi1	34580	29061	34728	0.0359	0.6081	0.0889	0.65	0.19	-0.46
20728	Spic	219	304	397	0.0113	0.0007	0.7002	1.86	2.20	0.34
20788	Srebf2	7242	4204	5269	0.2875	0.0671	0.0001	0.59	-0.82	-1.41
20843	Stag2	1993	1469	1960	0.0113	0.6417	0.0247	0.99	0.23	-0.76
20847	Stat2	6565	4132	5575	0.0291	0.6037	0.0003	0.88	-0.25	-1.13
20848	Stat3	27528	13577	21046	0.0003	0.0526	0.0000	1.11	-0.63	-1.73
20849	Stat4	430	202	248	0.6937	0.0102	0.0002	0.44	-1.82	-2.25
20850	Stat5a	2513	1500	2086	0.0896	0.6209	0.0026	0.94	-0.32	-1.25
20851	Stat5b	6105	3093	5117	0.0000	0.5122	0.0000	1.38	-0.20	-1.59
20852	Stat6	19498	14097	18237	0.0114	0.9386	0.0039	0.85	0.04	-0.81
20872	Stk16	1394	1089	1407	0.0005	0.3653	0.0074	0.92	0.29	-0.63
20024	Sub1	10525	6461	9320	0.0076	0.9219	0.0006	1.10	-0.07	-1.16
237336	Tbpl1	2107	1945	2262	0.0032	0.1074	0.2079	0.59	0.34	-0.25
21781	Tfdp1	3032	3064	2337	0.0000	0.0007	0.1578	-0.95	-0.65	0.29
21426	Tfec	443	282	424	0.0370	0.7664	0.0452	1.32	0.25	-1.07
59016	Thap11	2012	1640	2135	0.0055	0.2606	0.1037	0.98	0.45	-0.54
21833	Thra	154	124	163	0.0306	0.4030	0.1823	1.03	0.45	-0.58
21807	Tsc22d1	2034	1011	1829	0.0579	0.8870	0.0399	1.75	0.19	-1.56
68842	Tulp4	473	680	582	0.1453	0.6395	0.0074	-0.81	0.29	1.10
22278	Usf1	3170	2810	3711	0.0002	0.0130	0.2502	1.15	0.78	-0.37
22344	Vezf1	1299	1021	1292	0.0011	0.5034	0.0060	0.83	0.22	-0.62
22433	Xbp1	24367	21017	28799	0.0000	0.0008	0.1045	1.32	0.88	-0.44
56449	Ybx3	8247	5682	5151	0.6737	0.0003	0.0018	-0.24	-1.25	-1.00
58206	Zhth32	607	169	347	0 4531	0.0101	0,0000	1.21	-2.90	-4 11
75580	Zbtb4	159	313	259	0.0176	0.2758	0.0000	-1.37	0.67	2.04
382639	Zhth42	498	309	359	0.5696	0 1097	0.0034	0.40	-0.84	-1 24
16969	Zhth7a	5638	4535	5402	0.0037	0.8790	0.0016	0.61	0.05	-0.56
24136	Zeh2	7645	5113	6252	0.2078	0.3455	0.0019	0.59	-0.42	-1 01
21769	Zfand3	648	716	772	0.2206	0.0258	0.5358	0.35	0.51	0.16
11006	Zianus Zfhv3	851	1500	1169	0.0006	0.0200	0.0000	-1 70	0.35	2.05
22640	2111A3	227	202	268	0.0000	0.0300	0.0000	-0.41	0.00	2.03
63972	Zfp206	18/	232 75	151	0.0299	0.4477	0.0129	1 77	0.∠⊎ _0.21	_1 09
22605	Zip290 Zfn36	138207	73	88657	0.0092	0.0079	0.0144	0.31	-1.27	-1.50
22090	Z1200	130207	1100Z	790	0.0709	0.0070	0.0001	0.01	-1.27	1 01
626949	Z1090	407	034	102	0.0000	0.0001	0.0000	-0.90	0.04	1.01
020040	ZIP9/1	255	400	402	0.0000	0.0229	0.0000	2.09	-1.10	-4.07
22/01		300	490	302	0.0105	0.9862	0.0023	-1.22	-0.02	1.20
22697	Zscan21	/18	907	867	0.6720	0.2937	0.0433	-0.20	0.38	0.58

Table	S2 Differentially exp	ressed genes be	tween Irf8 <sup>fl/fl</sup> and CD110	<sup>Cre</sup> lrf8 <sup>fi/fi</sup> TAMs, I	related to Figures 3	and S3
Entrez ID	Gene	Base Mean	Log2 Fold Change	Padj (FDR)	Passed FPKM?	Group
12945	Dmbt1	170.28	10.84	2.17E-09	NO	IRF8 WT Up
100504594	A630012P03Rik	56 74	7 78	1 18E-04	NO	IRF8 WT Up
102634431	Gm32014	54.50	6.85	6 25E-05	NO	IRF8 WT Up
102034431	Dofb1	04.50	0.00	0.202-00	NO VEC	
13214	DelbT	81.51	5.22	2.80E-03	TES NO	IRF8_WI_Up
320840	Negri	183.13	5.13	9.60E-10	NO	IRF8_WI_Up
11607	Agtr1a	237.17	4.98	2.62E-11	YES	IRF8_WT_Up
14397	Gabra4	83.28	4.95	9.41E-05	NO	IRF8_WT_Up
20309	Cxcl15	114.52	4.89	4.39E-08	NO	IRF8_WT_Up
76507	Aoc1	88.59	4.72	3.94F-04	NO	IRF8 WT Up
11670	Aldh3a1	68.27	4 61	9 45E-03	NO	IRF8 WT Up
11//70	SIc5a5	213 72	1.59	1.46E-13	NO	IRF8 WT Up
10470	Den	750.02	4.55	1.402-13	NO VEC	
13179	DCh	750.03	4.50	4.04E-29	TES NO	IRF8_WT_Up
69627	Fam89a	54.20	4.49	1.16E-02	NO	IRF8_WI_Up
94180	Acsbg1	106.05	4.43	7.20E-03	NO	IRF8_WT_Up
18667	Pgr	141.20	4.35	4.39E-08	NO	IRF8_WT_Up
278304	Zfp385c	130.13	4.26	8.30E-07	NO	IRF8_WT_Up
16682	Krt4	149.23	4.23	7.90E-08	NO	IRF8 WT Up
13086	Cvp2a4	55 57	4 22	372E-04	NO	IRF8 WT Un
228852	Ppp1r16h	122.28	1.22	2 31E-06	NO	IRF8 WT Up
220002		506.22	4.20	2.01E-00	VES	
70710	Dicuad Dhm20	07.02	4.10			
13/13		01.20	4.19	4.400-00		
12292	Cachais	85.54	3.91	2.18E-04	NU	IKF8_WI_Up
23832	Xcr1	346.66	3.85	1.15E-12	NO	IRF8_WT_Up
240047	Mmp25	67.50	3.78	7.23E-04	NO	IRF8_WT_Up
72386	2610035D17Rik	152.95	3.74	7.23E-03	NO	IRF8_WT_Up
16425	ltih2	57.81	3.69	2.98E-03	NO	IRF8 WT Up
27007	Klrk1	175.99	3,66	1.30E-08	NO	IRF8 WT Up
16182	ll18r1	197 47	3.60	2.51E-09	NO	IRF8 WT Up
170722	Kiro17	2407.20	3.50	1 9/E 10	VES	
77000	Nila 17	3407.29	3.59	1.04E-19	IES NO	
77996		186.18	3.55	1.17E-06	NU	
140795	P2ry14	336.44	3.47	9.09E-07	YES	IRF8_WI_Up
20856	Stc2	453.51	3.44	5.89E-06	YES	IRF8_WT_Up
170725	Capn8	178.43	3.36	1.48E-05	NO	IRF8_WT_Up
22329	Vcam1	33053.12	3.35	8.44E-22	YES	IRF8_WT_Up
208659	Fam20a	447.60	3.33	1.34E-15	YES	IRF8 WT Up
20307	Ccl8	184.28	3.31	1.03E-05	YES	IRF8 WT Up
320463	E6301111 10Rik	695.66	3.26	7 11E-21	NO	IRF8 WT Up
17063	Muc13	61 30	3.24	4.26E-02	NO	IRF8 WT_Up
17003	Maan1	01.30 400 FF	3.24	4.202-02	NO	
1/1/4	Nasp I	100.55	3.24	4.01E-05	NO	IRF8_WT_Up
20512	SIC183	130.85	3.15	4.20E-03	NO	
67859	Cysrt1	94.28	3.14	3.28E-02	YES	IRF8_WI_Up
17329	Cxcl9	873.59	3.11	1.45E-08	YES	IRF8_WT_Up
228677	Sptlc3	96.86	3.08	1.47E-03	NO	IRF8_WT_Up
622127	Cyp3a57	131.32	3.07	1.72E-03	NO	IRF8_WT_Up
13421	Dnase1I3	2373.02	3.07	4.70E-25	YES	IRF8 WT Up
50722	Dkkl1	421.54	3.05	6.63E-08	YES	IRF8 WT Up
224794	Ennn4	3834.86	3.04	1 70E-28	YES	IRF8 WT Un
12583	Cdo1	635.18	3.04	2 10E-07	VES	IRF8 WT Up
12000	Exud2	035.10	2.06	2.100-07	VES	
040070	Cd207	275.70	2.90	2.43E-03	IES VEC	
240278	00207 Del0147	2040.84	2.93	2.10E-U/	160	
229672	BCIZI15	128.90	2.92	1.31E-03	NU	
19417	Rasgrf1	120.28	2.91	7.74E-04	NO	IRF8_WT_Up
16197	ll7r	1616.13	2.91	1.31E-11	YES	IRF8_WT_Up
232406	BC035044	326.52	2.88	1.88E-07	YES	IRF8_WT_Up
13034	Ctse	1989.68	2.85	5.51E-09	YES	IRF8 WT Up
54120	Gipc2	438.02	2.81	3.90E-05	YES	IRF8 WT Un
12903	Crabn1	83.95	2 79	1 12E-02	YES	IRF8 WT Up
00702	Kirb1b	4020 70	2.79	2 20E 06	VES	
15275	Foxo1	4300.10	2.13	0.50E-00	VEQ	
153/5	Foxal	381.47	2.19	2.5/E-U/	IES	
13482	Upp4	1222.46	2.76	9.61E-16	YES	IKF8_WI_Up
232983	Cxcl17	373.70	2.74	2.58E-04	YES	IRF8_WT_Up
58187	Cldn10	133.45	2.73	1.67E-03	NO	IRF8_WT_Up
18566	Pdcd1	1134.11	2.72	4.71E-14	YES	IRF8_WT_Up
17390	Mmp2	3902.35	2.71	1.19E-29	YES	IRF8 WT Up
76453	Prss23	219,69	2.71	3.76F-05	NO	IRF8 WT Un
227485	Cdh19	155.65	2.71	3.34F-04	NO	IRF8 W/T Un
220004	Tir11	112.00	2.11	2.57E-04	NO	
203001	11111 Tmom00	113.30	2.07	2.02E-03		
321100		239.70	2.07	0.09E-04		
436440	Gpr31b	672.72	2.66	6.58E-15	YES	IKF8_WT_Up
13805	Eng	238.84	2.66	1.46E-05	NO	IRF8 WT Up

73712	Dmkn	142.10	2.65	6.42E-03	NO	IRF8_WT_Up
329693	Fcrl5	394.39	2.63	3.30E-05	YES	IRF8_WT_Up
107221	Ffar4	322.65	2.60	5.88E-03	YES	IRF8_WT_Up
75345	Slamf7	10812.11	2.60	6.01E-23	YES	IRF8 WT Up
22417	Wnt4	146.15	2.59	0.04982696	NO	IRF8 WT Up
277203	Tm4sf19	215 78	2 53	5 56E-05	YES	IRF8 WT Un
20204		2044.03	2.00	0.54E-08	VES	IRES WT_Up
20304	Egg	1252.00	2.49	9.04L-00	VES	
99571	Fgg	1253.00	2.43	4.00E-07	1ES	
16160	II12b	1433.41	2.42	4.02E-04	YES	
269346	Slc28a2	110.72	2.39	5.19E-03	NO	IRF8_WT_Up
231293	Cwh43	189.81	2.39	1.43E-02	NO	IRF8_WT_Up
100043899	R3hdml	565.66	2.37	5.65E-04	YES	IRF8_WT_Up
17068	Ly6d	2508.65	2.37	8.73E-06	YES	IRF8_WT_Up
81879	Tfcp2l1	250.15	2.37	7.46E-03	NO	IRF8 WT Up
17702	Msx2	123.97	2.37	3.60E-03	NO	IRF8 WT Up
110135	Fab	1693.86	2.36	3 79F-04	YES	IRF8 WT Up
72778	Dnaic22	76.49	2 33	0.04896159	NO	IRF8 WT Up
101220	Durka	222.01	2.00	1 50 5 02	VEQ	
101320	Dyik4	0007.44	2.32	1.09E-02	TES VEO	
14066	F3	3697.14	2.30	1.25E-08	YES	
83560	Tex14	134.88	2.29	1.79E-02	NO	IRF8_WI_Up
67596	Tespa1	570.00	2.29	0.04773816	YES	IRF8_WT_Up
12389	Cav1	309.18	2.28	9.30E-06	NO	IRF8_WT_Up
22068	Trpc6	108.17	2.27	2.83E-02	NO	IRF8_WT_Up
17067	Ly6c1	260.35	2.27	0.04801061	YES	IRF8_WT_Up
53311	Mybph	140.97	2.27	3.48E-03	NO	IRF8_WT_Up
30925	Slamf6	2255.38	2.25	1.35E-05	YES	IRF8 WT Un
246747	Adia	124 97	2 23	1 48F-02	YES	IRF8 WT Un
240147	Vtcn1	542.00	2.20	3.51E-08	VES	IRES WT_Up
242122	V CITT	1025.00	2.22	0.40E 00	VEC	
233529	KCI014	1035.89	2.21	8.18E-08	1ES	
19418	Rasgrf2	189.26	2.21	1.06E-02	NO	IRF8_WI_Up
110454	Ly6a	5863.84	2.20	5.78E-04	YES	IRF8_WT_Up
227618	Lrrc26	249.06	2.20	2.09E-04	YES	IRF8_WT_Up
102502	Pls1	207.39	2.18	7.27E-04	NO	IRF8_WT_Up
17470	Cd200	913.77	2.17	5.61E-07	YES	IRF8_WT_Up
69638	Enho	606.03	2.14	3.19E-06	YES	IRF8 WT Up
333605	Frmpd4	128.11	2.14	8.54F-03	NO	IRF8 WT Up
50528	Tmprss2	1156.85	2.13	1.32E-10	YES	IRF8 WT Up
408064	BC064078	330 10	2.10	7.74E-03	VES	IRE8 WT Up
17962	Mub	172 70	2.13	1.00E.02	NO	
17003	IVIYD Dihald	173.70	2.12	1.09E-02	NU	
66857	PIDOT	26441.43	2.10	1.36E-06	YES	
14183	Fgfr2	207.53	2.08	4.33E-04	NO	IRF8_WI_Up
109676	Ank2	164.31	2.08	1.51E-02	NO	IRF8_WT_Up
99887	Tmem56	974.38	2.07	1.19E-07	YES	IRF8_WT_Up
242894	Actr3b	190.77	2.05	9.30E-03	NO	IRF8_WT_Up
320051	Exph5	128.34	2.05	2.63E-02	NO	IRF8_WT_Up
101202	Hepacam2	1748.85	2.05	3.21E-04	YES	IRF8 WT Up
16918	Mycl	445.71	2.04	6.50F-05	NO	IRF8 WT Up
20496	Slc12a2	5282 71	2.02	1.09E-08	YES	IRF8 WT Up
12175	Dolk1	222.05	2.02	0.04604220	NO	
67100	Nrorp	202.00	-2.00	0.04094339	NO	
01122	INICIP Litrop	192.00	-2.02	4.110-03		
10000		301.93	-2.02	1.21E-02	TEO	
320664	Cass4	194.32	-2.02	3.82E-03	NU	IKF8_KO_Up
233046	Rasgrp4	776.03	-2.03	2.80E-07	NO	IRF8_KO_Up
67971	ТрррЗ	670.77	-2.05	1.90E-05	YES	IRF8_KO_Up
54670	Atp8b1	262.50	-2.09	9.30E-03	NO	IRF8_KO_Up
99010	Lpcat4	4026.73	-2.10	4.49E-06	YES	IRF8_KO_Up
11497	Adam3	130.98	-2.13	2.47E-02	NO	IRF8 KO Up
18436	P2rx1	135.94	-2.15	5.75E-03	NO	IRF8 KO Un
220505	Adamtel4	1601.84	-2.15	4.00E-05	VES	IRES KO Up
220365	Fry	1031.04	-2.15	5 /1E 07	NO	
16095	Lop1	47945 50	-2.20	5.41E-07	VEC	
10985	LSPT	1/815.50	-2.20	0.50E-09	TEO	
142/6	Folr2	316.66	-2.27	2.40E-02	YES	IKF8_KO_Up
380839	Serpinb1c	114.80	-2.28	0.04447185	NO	IKF8_KO_Up
14089	Fap	513.77	-2.28	2.59E-05	NO	IRF8_KO_Up
19401	Rara	1076.66	-2.29	3.11E-12	YES	IRF8_KO_Up
18726	Lilra6	137.42	-2.29	1.14E-02	NO	IRF8_KO_Up
18074	Nid2	456.23	-2.37	1.18E-04	NO	IRF8 KO Up
56620	Clec4n	37382.99	-2.38	2.50F-12	YES	IRF8 KO Un
108115	Slco4a1	729 21	-2 42	1 34F-12	YES	IRF8 KO Un
15//6	Hnad	1/020 70	-2 /3	1.072-12	VES	
67100	Spoto2	14020.70	-2.40			
0/190		40.//	-2.44	1.290-04		
381484	GM5150	443.50	-2.48	1.04E-05	YES	ікға ко Up

15248	Hic1	990.90	-2.51	6.06E-16	YES	IRF8_KO_Up
233186	Siglecf	1046.83	-2.53	5.23E-15	YES	IRF8_KO_Up
100042480	Nhsl2	107.39	-2.54	1.73E-02	NO	IRF8_KO_Up
18830	Pltp	3762.93	-2.55	4.74E-16	YES	IRF8 KO Up
16971	l rp1	12992.98	-2.59	7.93F-08	YES	IRF8 KO Up
246049	Slc36a2	201 04	-2.60	6.51E-05	NO	IRES KO Up
232075	Atp123	2882.45	-2.61	3.51E-08	VES	IRES KO Up
232975	Alpias Emilias	2002.40	-2.01	3.512-00	TES VEC	
246707	Emilinz	3437.51	-2.61	2.52E-13	YES	
18670	Abcb4	308.73	-2.63	1.18E-06	NO	IRF8_KO_Up
19201	Pstpip2	715.77	-2.67	5.55E-11	YES	IRF8_KO_Up
18795	Plcb1	742.41	-2.68	1.13E-10	NO	IRF8_KO_Up
11871	Art2a-ps	1084.44	-2.68	3.76E-15	YES	IRF8_KO_Up
58860	Adamdec1	10281.63	-2.71	2.42E-12	YES	IRF8 KO Up
110095	Pyal	2017.06	-2 72	4 18F-11	YES	IRF8 KO Up
18132	Notch/	159.52	-2.74	1.10E 11	NO	IRES KO Up
00001	Forla	400.02 06050 40	2.14	1. <del>4</del> 3E-00	VES	
17001		30333.13	-2.74	3.23E-10	TES VEC	
17001	Ltc4s	3147.58	-2.74	2.13E-09	YES	
235135	I mem45b	135.03	-2.76	1.60E-02	NO	IRF8_KO_Up
319446	Dpep2	5496.37	-2.80	1.25E-30	YES	IRF8_KO_Up
14544	Gda	755.83	-2.84	1.56E-14	YES	IRF8_KO_Up
12268	C4b	1794.00	-2.86	5.09E-05	YES	IRF8_KO_Up
93721	Cpn1	75.02	-2.87	3.45E-02	NO	IRF8_KO_Up
193385	Fam65b	383.33	-2.95	6.69E-09	NO	IRF8 KO Un
13449	Dok2	646.69	-2.96	7 19F-05	YES	IRF8 KO Un
378460	Pram1	1352.05	-2.00	2 34 = 11	VES	
16264	I I CIIIII	1552.05	-2.31	2.046-11	VES	
10304	III4 Damado	400.00	-2.97	3.052-00		
105841	Dennd3	190.00	-3.00	2.39E-06	NO	
58223	Mmp19	199.59	-3.00	6.17E-07	NO	IRF8_KO_Up
70882	Armc3	73.20	-3.10	1.55E-03	NO	IRF8_KO_Up
58217	Trem1	3055.13	-3.10	1.17E-23	YES	IRF8_KO_Up
14058	F10	125.49	-3.14	1.12E-02	NO	IRF8_KO_Up
320472	Ppm1e	57.99	-3.14	9.92E-03	NO	IRF8 KO Up
57349	Ppbp	104.15	-3.21	4.00F-02	YES	IRF8 KO Up
72014	Rthd17	51 76	-3.25	1.63E-02	NO	IRES KO Up
14745		270.70	2.20	9.60E.05	VES	
14745	Lpari Trans101a na	370.79	-3.20	0.09L-03	ILS NO	
100040525	Tmem181c-ps	162.40	-3.33	1.56E-07	NO	
12156	Bmp2	191.02	-3.40	7.93E-07	NO	
58218	Trem3	259.86	-3.45	1.19E-07	YES	IRF8_KO_Up
13601	Ecm1	3756.70	-3.55	1.32E-09	YES	IRF8_KO_Up
74403	4933400F21Rik	55.26	-3.57	1.04E-02	NO	IRF8_KO_Up
320802	lfitm10	491.03	-3.62	4.87E-14	YES	IRF8_KO_Up
13730	Emp1	9987.15	-3.66	6.17E-24	YES	IRF8 KO Up
16012	lafbp6	54.58	-3.72	4.69E-03	NO	IRF8 KO Up
52614	Adare4	2015 90	-3.75	3.33E-20	YES	IRF8 KO Up
12077	Cef1	3822.52	-3.95	6.00E 20	VES	IRES KO Up
17204	Mmp9	240.42	3.00		VEC	
11394	Iviinpo	240.43	-3.99			IDEO KA Un
11//0	Fabb4	* * * * * * * * *	4.00	0.755.00	IES VEC	IRF8_KO_Up
110197	Dale	200.02	-4.06	8.75E-03	YES	IRF8_KO_Up IRF8_KO_Up
10005	Dgkg	200.02 88.73	-4.06 -4.06	8.75E-03 6.03E-06	YES NO	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395	Dgkg Rasgrp2	200.02 88.73 76.63	-4.06 -4.06 -4.26	8.75E-03 6.03E-06 3.42E-04	YES YES NO NO	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395 14608	Dgkg Rasgrp2 Gpr83	200.02 88.73 76.63 54.41	-4.06 -4.06 -4.26 -4.30	8.75E-03 6.03E-06 3.42E-04 2.53E-02	YES YES NO NO NO	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395 14608 16174	Dgkg Rasgrp2 Gpr83 II18rap	200.02     88.73     76.63     54.41     206.76	-4.06 -4.06 -4.26 -4.30 -4.31	8.75E-03 6.03E-06 3.42E-04 2.53E-02 1.02E-13	YES YES NO NO NO NO	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395 14608 16174 212073	Dgkg Rasgrp2 Gpr83 II18rap Syne3	200.02 88.73 76.63 54.41 206.76 107.26	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06	YES YES NO NO NO NO NO	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5	200.02 88.73 76.63 54.41 206.76 107.26 475.90	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.34 -4.36	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26	YES YES NO NO NO NO YES	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395 14608 16174 212073 11689 14468	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.34 -4.36 -4.57	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21	YES YES NO NO NO NO YES YES	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395     14608     16174     212073     11689     14468     78558	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73	1:30E-08   8:75E-03   6:03E-06   3:42E-04   2:53E-02   1:02E-13   4:89E-06   3:27E-26   2:73E-21   4:87E-44	YES YES NO NO NO NO YES YES YES	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.34 -4.36 -4.57 -4.73 -4.73 -4.86	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-02	YES NO NO NO NO YES YES YES NO	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   281680	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nype5	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1037.28	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.73 -4.86 5.00	1:30E-08   8:75E-03   6:03E-06   3:42E-04   2:53E-02   1:02E-13   4:89E-06   3:27E-26   2:73E-21   4:87E-44   7:78E-03   1:42E-25	YES YES NO NO NO NO YES YES YES NO YES	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   44422	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Ecco	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 242.05	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.86 -5.00 5.24	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   4.20E-40	YES YES NO NO NO NO YES YES YES NO YES	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 410	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.86 -5.00 -5.31	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16	YES YES NO NO NO NO YES YES YES YES YES YES YES	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.73 -4.86 -5.00 -5.31 -5.47	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16	YES YES NO NO NO NO YES YES YES YES YES YES YES YES	IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6 Cspg4	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.73 -4.86 -5.00 -5.31 -5.47 -5.71	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16	YES     NO     NO     NO     NO     NO     YES     NO     YES     NO     YES     NO     YES     YES     NO	IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6 Cspg4 Angptl7	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.86 -5.00 -5.31 -5.47 -5.71 -5.86	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02	YES     YES     NO     NO     NO     NO     YES     NO     YES     NO     YES	IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812   242248	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6 Cspg4 Angptl7 Bank1	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27 1180.18	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.86 -5.00 -5.31 -5.47 -5.71 -5.86 -5.94	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02   2.15E-24	YES     YES     NO     NO     NO     NO     YES	IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812   242248   14268	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6 Cspg4 Angptl7 Bank1 Fn1	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27 1180.18 7502.83	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.86 -5.00 -5.31 -5.47 -5.71 -5.86 -5.94 -6.42	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02   2.15E-24   3.54E-61	YES     YES     NO     NO     NO     NO     YES	IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812   242248   14268   26388	DgkgRasgrp2Gpr83II18rapSyne3Alox5Gbp2bHtra3A2mNxpe5FcnaC6Cspg4Angptl7Bank1Fn1Ifi202b	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27 1180.18 7502.83 600.97	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.86 -5.00 -5.31 -5.47 -5.71 -5.86 -5.94 -6.42 -6.43	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02   2.15E-24   3.54E-61   2.51E-02	YES     YES     NO     NO     NO     NO     YES     YES	IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812   242248   14268   26388   381924	DgkgRasgrp2Gpr83II18rapSyne3Alox5Gbp2bHtra3A2mNxpe5FcnaC6Cspg4Angptl7Bank1Fn1Ifi202bItoad	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27 1180.18 7502.83 600.97 750.84	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.86 -5.00 -5.31 -5.47 -5.71 -5.86 -5.94 -6.42 -6.43 -6.51	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02   2.15E-24   3.54E-61   2.51E-02   3.16E-44	YES   YES   NO   NO   NO   YES   YES<	IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812   242248   14268   26388   381924   278180	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6 Cspg4 Angptl7 Bank1 Fn1 Ifi202b Itgad	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27 1180.18 7502.83 600.97 750.84 56.69	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.86 -5.00 -5.31 -5.47 -5.71 -5.86 -5.94 -6.42 -6.43 -6.51 -7.84	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02   2.15E-24   3.54E-61   2.51E-02   3.16E-44	YES   YES   NO   NO   NO   NO   YES    YES	IRF8_KO_Up     IRF8_KO_UP
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812   242248   14268   26388   381924   278180   669707	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6 Cspg4 AngptI7 Bank1 Fn1 Ifi202b Itgad Vsig4	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27 1180.18 7502.83 600.97 750.84 56.69 246.24	-4.06   -4.06   -4.26   -4.30   -4.31   -4.34   -4.357   -4.36   -4.57   -4.57   -4.57   -4.57   -4.57   -5.57   -5.00   -5.31   -5.47   -5.71   -5.86   -5.94   -6.42   -6.43   -6.51   -7.84	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02   2.15E-24   3.54E-61   2.51E-02   3.16E-44   1.78E-03	YES YES NO NO NO NO YES YES YES YES YES YES YES YES YES YES	IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812   242248   14268   26388   381924   278180   668727   40462	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6 Cspg4 Angptl7 Bank1 Fn1 Ifi202b Itgad Vsig4 Mrgpra2a	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27 1180.18 7502.83 600.97 750.84 56.69 216.31 240.22	-4.06 -4.06 -4.26 -4.30 -4.31 -4.34 -4.36 -4.57 -4.73 -4.86 -5.00 -5.31 -5.47 -5.71 -5.86 -5.94 -6.42 -6.43 -6.51 -7.84 -8.23 -9.400	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02   2.15E-24   3.54E-61   2.51E-02   3.16E-44   1.78E-03   1.62E-14	YES     YES     NO     NO     NO     NO     YES	IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812   242248   14268   26388   381924   278180   668727   16429	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6 Cspg4 Angptl7 Bank1 Fn1 Ifi202b Itgad Vsig4 Mrgpra2a Itln1	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27 1180.18 7502.83 600.97 750.84 56.69 216.31 219.86	-4.06   -4.06   -4.26   -4.30   -4.31   -4.34   -4.36   -4.73   -4.86   -5.00   -5.31   -5.47   -5.71   -5.86   -5.94   -6.42   -6.43   -6.51   -7.84   -8.23   -24.62	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02   2.15E-24   3.54E-61   2.51E-02   3.16E-44   1.78E-03   1.62E-14   2.31E-05	YES   YES   NO   NO   NO   NO   YES    YES	IRF8_KO_Up IRF8_KO_Up
19395   14608   16174   212073   11689   14468   78558   232345   381680   14133   12274   121021   654812   242248   14268   26388   381924   278180   668727   16429	Dgkg Rasgrp2 Gpr83 II18rap Syne3 Alox5 Gbp2b Htra3 A2m Nxpe5 Fcna C6 Cspg4 Angptl7 Bank1 Fn1 Ifi202b Itgad Vsig4 Mrgpra2a Itln1	200.02 88.73 76.63 54.41 206.76 107.26 475.90 856.91 5130.67 86.69 1027.38 342.85 418.48 251.91 1530.27 1180.18 7502.83 600.97 750.84 56.69 216.31 219.86	-4.06   -4.06   -4.26   -4.30   -4.31   -4.34   -4.36   -4.57   -4.73   -4.86   -5.00   -5.31   -5.47   -5.71   -5.86   -5.94   -6.42   -6.43   -6.51   -7.84   -8.23   -24.62	1.30E-08   8.75E-03   6.03E-06   3.42E-04   2.53E-02   1.02E-13   4.89E-06   3.27E-26   2.73E-21   4.87E-44   7.78E-03   1.42E-25   1.32E-16   3.90E-16   1.08E-16   2.29E-02   2.15E-24   3.54E-61   2.51E-02   3.16E-44   1.78E-03   1.62E-14   2.31E-05	YES YES NO NO NO NO YES YES YES YES YES YES YES YES YES YES	IRF8_KO_Up IRF8_KO_Up

Table S3. Ing	genuity Path	way Ana	lysis (II	PA) for <i>Irf8</i> <sup>fil/fl</sup> versus CD11c <sup>Cre</sup> / <i>rf8</i> <sup>fil/fl</sup> TAMs, related to Figure 3
Ingenuity Canonical Pathways	-log(p- value)	zScore	Ratio	Molecules
Th1 Pathway	1.05E+01	2.414	.252	IRF1,FGFR2,NFATC2,HLA-DQA1,PIK3R5,CD40, IFNAR1,CD274,IL10RA,CCR5,IFNGR1,STAT3, PIK3CD,STAT1,HLA-DRB5,HLA-DMB,CD4, IL12B,NFIL3,CD86,IL18R1,APH1B,NFKB1, HLA-DOA,NOTCH1,HLA- DQB1,ICOSLG/LOC102723996, HLA-DOB,NOTCH4,NFATC1,CXCR3,HLA- A,DLL1,PSEN2
Neuro- inflammation Signaling Pathway	8.53E+00	2.429	.167	CX3CR1,NFATC2,TNFRSF1A,HLA-DQA1,TLR1, PIK3R5,TLR4,IFNGR1,GABRA4,PIK3CD,TIr12, HLA-DRB5,IL12B,TLR2,CD86,APH1B,TLR7, CCL5,HLA-DQB1,HLA-DOB,CD200R1,TGFBR2, GABBR2,CREB3L4,CYBB,CD200,IKBKE,JUN, FGFR2,MYD88,CD40,TREM2,IRAK3,VCAM1,IRF7, STAT1,HLA-DMB,CREBBP,SLC1A3,MAPK3, TGFB3,NFKB1,HLA-DOA,PPP3CA,NFATC1, HMOX1,HLA-A,TLR3,PSEN2,CCL2,TIr11,GLS
Dendritic Cell Maturation	7.78E+00	0.507	.191	FGFR2,IL15,MYD88,TNFRSF1A,HLA- DQA1,PIK3R5,CD40,TREM2,NFKBIA,IFNAR1, NFKBID,TLR4,IL23A,CD83,IRF8,PIK3CD, STAT1,HLA-DRB5,HLA-DMB,CREBBP,IL12B,TLR2, CD86,LTB,MAPK3,PLCB1,NFKB1,HLA-DOA, HLA-DQB1,PLCB4,HLA-DOB,HLA-A, CREB3L4,TLR3,COL11A2,FCGR3A/FCGR3B,IKBKE
TREM1 Signaling	7.64E+00	1.091	.280	NFKB1,TLR7,MYD88,TLR1,NLRC3,NLRC5,CD40,TLR4 CD83,STAT3,TLR3,Tlr12,CCL2,TREM1,CXCL3,TLR2, CD86,ITGA5,Tlr11,CIITA,MAPK3
PPARα/RXRα Activation	6.59E+00	0.365	.183	JUN,ACADL,PRKAR2B,FASN,BCL3,IL1R2,MAP2K1, NFKBIA,NFKBID,NCOA3,ADCY3,PRKCB,RXRA, ADIPOR2,CREBBP,HSP90AA1,MAPK3,PLCB1, TGFB3,MAP4K4,NFKB1,PLCB4,INSR,ACAA1, HELZ2,TGFBR2,PRKCA,IL18RAP,LPL,PRKAG1, HSP90AB1,ADCY9,IKBKE
Activation of IRF by Cytosolic Pattern Recognition Receptors	5.36E+00	1.5	.254	JUN,TANK,NFKB1,DDX58,IFIT2,CD40,FADD, NFKBIA,IFNAR1,NFKBID,IRF7,STAT1,IFIH1, CREBBP,ZBP1,IKBKE

Table	S4. Ingenu	ity Pathw	ay Analys	sis (IPA) for TAMs versus DC1, related to Figure 4
Ingenuity	-log(p-	zScore	Ratio	Molecules
Canonical	value)			
Pathways				
STAT3	5.35E+00	1.5	.163	FGFR1,FGFR3,HGF,IGF1R,IGF2R,IL10RB,
Pathway				IL12RB1,IL12RB2,IL1A,IL1RL2,IL21R,
				IL27RA,IL2RA,IL4R,IL7R,JAK2,PDGFB,
				SOCS3,SRC,TGFBR1,TGFBR2,VEGFA
cAMP-	4.63E+00	1.3	.127	ADCY3,ADCY6,ADORA2A,ADRB1,ADRB2,
Mediated				CAMK1,CREB3L3,CREB5,CREM,DUSP4,
Signaling				DUSP6,DUSP9,GABBR1,GABBR2,GDPD1,
				HCAR2,HTR7,LTB4R,P2RY12,P2RY13,
				PDE1B,PDE7B,PRKAR1B,PRKAR2B,
				PTGER2,RGS18,S1PR1,SRC,VIPR1
T Cell	4.47E+00	0.65	.137	AKT3,BTLA,CTLA4,FCER1G,HLA-DMB,
Exhaustion				HLA-DOA,HLA-DOB,IL10,IL10RB,IL12B,
Signaling				IL12RB1,IL12RB2,IL6,IRF4,JAK2,LAG3,
Pathway				MGAT5,PDCD1LG2,PPM1J,PRDM1,
				STAT4,TGFBR1,TGFBR2,VEGFA
Th1	5.58E+00	-3.0	.174	CCR5,CD4,CD8A,CXCR3,H2-Eb2,HLA-DMB,
				HLA-DOA,HLA-DOB,IL10,IL10RB,
				IL12B,IL12RB1,IL12RB2,IL27RA,
				IL6,JAK2,KLRD1,NOTCH2,NOTCH4,
				SOCS3,STAT4
Th17	2.86E+00	-0.8	.143	AHR,FCER1G,IL10,IL12B,IL12RB1,
Activation				IL12RB2,IL21R,IL6,IRF4,JAK2,PTGER2,
Pathway				SOCS3,STAT4
IL-23	2.02E+00	-2.4	.159	AKT3,IL12B,IL12RB1,IL12RB2,JAK2,SOCS3,
Signaling				STAT4
Pathway				

Table S5. Differentially expressed genes between "a" and "b" clusters in scRNAseq, related to								
2a vs 2h.	P val	Ava diff	Pot 1	Pct 2	P val adi			
Gana	r_vai	Avg_uiii	FUL I	F GL. Z	r_vai_auj			
Vps37h	4 09F-75	-5.23	0.37	0.91	1 23E-71			
Nr4a1	8 79E-75	-5 36	0.14	0.86	2.64E-71			
Junb	1.01E-73	-15.86	0.77	1.00	3.03E-70			
Pnrc1	1 14E-67	-3.20	0.62	0.98	3.42E-64			
Dnaia1	2 75E-64	-6.33	0.85	0.98	8 25E-61			
Tnfain3	4 73E-59	-2 76	0.00	0.86	1 42E-55			
ler2	2.09E-57	-3.69	0.54	0.92	6 26E-54			
Hsnaß	1 24E-52	-17.01	1.00	1.00	3 73E-49			
Rta2	9.70E-/19	-17.01	0.70	0.95	2 01E-45			
Btg1	1 10E-47	-5.47	0.70	0.00	2.31E 43			
lfrd1	6 14E-47	-2.24	0.91	0.35	1.84E-43			
Libo	1 205 44	-2.24	0.24	0.75	1.04E-43			
	7 195 40	-0.19	0.04	0.99	4.17 E-41			
Hsp90aa1	7.10E-40	-0.7Z	0.02	0.97	2.10E-30			
INI4a5	1.14E-39	-1.43	0.02	0.00	2.14E-30			
	1.07E-35	-3.49	0.59	0.88	3.20E-32			
Duspi	1.35E-34	-2.95	0.29	0.75	4.04E-31			
	2.68E-33	-2.24	0.25	0.64	8.03E-30			
I gif1	9.83E-33	-1.16	0.07	0.54	2.95E-29			
Fosl2	7.28E-32	-1.38	0.09	0.56	2.19E-28			
Ifngr1	1.72E-31	-3.62	0.90	0.97	5.17E-28			
Rgs1	1.09E-30	-8.29	0.79	0.97	3.27E-27			
Srgn	1.87E-30	-5.02	0.99	0.99	5.60E-27			
Hsp90ab1	1.76E-29	-8.67	1.00	1.00	5.29E-26			
Slc3a2	3.04E-29	-1.30	0.42	0.78	9.12E-26			
Coq10b	5.86E-29	-0.97	0.19	0.62	1.76E-25			
Clk1	6.58E-29	-1.03	0.32	0.70	1.97E-25			
Cd28	9.69E-29	-1.64	0.38	0.74	2.91E-25			
Rgs2	1.03E-28	-1.35	0.24	0.64	3.08E-25			
Ubald2	1.06E-28	-1.31	0.31	0.70	3.18E-25			
Rgcc	4.48E-28	-2.74	0.28	0.66	1.35E-24			
Dennd4a	9.42E-28	-1.32	0.52	0.83	2.83E-24			
Csrnp1	1.23E-27	-0.95	0.09	0.54	3.68E-24			
Neurl3	1.46E-26	-1.46	0.31	0.65	4.37E-23			
Zfp36l2	2.49E-26	-1.56	0.34	0.69	7.47E-23			
Crem	4.78E-26	-1.11	0.14	0.53	1.43E-22			
Arf4	6.81E-25	-1.11	0.54	0.81	2.04E-21			
Dnajb1	3.80E-24	-4.34	0.59	0.86	1.14E-20			
Gramd3	1.02E-23	-1.30	0.41	0.71	3.07E-20			
Jund	1.89E-23	-0.91	0.24	0.62	5.67E-20			
H3f3b	1.35E-22	-4.73	0.99	1.00	4.05E-19			
3a vs 3b:	P val	Avg diff	Pct. 1	Pct. 2	P val adj			
Gene		<b>U</b> _			<i>.</i>			
Hspa8	1.11E-39	-29.83	1.00	1.00	3.32E-36			
Hsp90ab1	2.79E-34	-20.02	1.00	1.00	8.38E-31			
Hsp90aa1	5.11E-34	-16.09	0.89	1.00	1.53E-30			
Dnajb1	2.17E-32	-16.92	0.64	0.94	6.51E-29			
Vps37b	1.06E-29	-5.38	0.50	0.89	3.17E-26			
Hspe1	2.27E-28	-7.85	0.91	0.96	6.81E-25			
Dnaja1	2.94E-27	-7.77	0.87	0.98	8.82E-24			
Hsph1	5.96E-27	-7.48	0.64	0.89	1.79E-23			
Hspd1	2.79E-26	-4.27	0.55	0.92	8.36E-23			
Tnfain3	1.58E-25	-2.23	0.30	0.79	4.73E-22			
Ubc	2 64F-25	-9.91	0.91	0.98	7.92E-22			
Nr4a2	7.54E-25	-5.03	0.32	0.81	2 26F-21			
Junb	9.68E-25	-11 69	0.79	0.96	2 90F-21			
Hspa1b	4.26E-23	-10.09	0.63	0.89	1.28E-19			

Cd52	7.92E-22	10.39	1.00	1.00	2.38E-18
Coq10b	8.90E-22	-1.44	0.16	0.71	2.67E-18
Klf6	2.58E-20	-4.02	0.49	0.87	7.74E-17
Hspa1a	4.45E-19	-23.70	0.68	0.87	1.34E-15
Pnrc1	1.04E-17	-2.43	0.64	0.90	3.13E-14
Clk1	1.46E-15	-1.08	0.31	0.70	4.37E-12
Nr4a1	2.31E-15	-2.59	0.17	0.60	6.94E-12
Ubb	1.43E-14	-23.45	1.00	1.00	4.28E-11
Dusp1	6.70E-14	-4.14	0.39	0.72	2.01E-10
ler2	9.12E-14	-1.53	0.51	0.83	2.74E-10
lfrd1	1.03E-13	-1.63	0.24	0.59	3.09E-10
Btg2	3.29E-13	-3.37	0.73	0.90	9.86E-10
lfngr1	4.94E-13	-2.73	0.74	0.91	1.48E-09
Cacybp	1.48E-12	-1.42	0.51	0.76	4.44E-09
Rgs2	3.19E-12	-1.21	0.14	0.54	9.56E-09
Btg1	4.59E-12	-3.68	0.96	0.97	1.38E-08
Slc3a2	4.97E-12	-1.95	0.47	0.72	1.49E-08
Jund	7.44E-12	-1.39	0.23	0.61	2.23E-08
Nr4a3	9.51E-12	-1.20	0.03	0.45	2.85E-08
Ppp1r15a	1.06E-11	-1.00	0.25	0.63	3.19E-08
Gm26825	1.57E-11	-1.79	0.39	0.66	4.71E-08
Gpr132	1.60E-11	-0.79	0.20	0.57	4.81E-08
Ctla4	1.61E-11	-1.31	0.19	0.54	4.82E-08
Litaf	2.98E-11	-2.11	0.67	0.79	8.95E-08
Actb	5.04E-11	16.55	1.00	1.00	1.51E-07
Dennd4a	5.64E-11	-1.22	0.45	0.72	1.69E-07
5a vs 5b:	P val	Ava diff	Pct. 1	Pct. 2	P val adi
Gene		J			
Vps37b	2.41E-53	-8.05	0.67	0.99	7.22E-50
Fosl2	1.86E-47	-2.81	0.21	0.92	5.58E-44
lunh					
anuc	3.54E-42	-18.99	0.81	0.99	1.06E-38
lfrd1	3.54E-42 3.75E-34	-18.99 -2.91	0.81 0.46	0.99 0.88	1.06E-38 1.13E-30
lfrd1 P2ry10	3.54E-42 3.75E-34 6.48E-33	-18.99 -2.91 -2.37	0.81 0.46 0.26	0.99 0.88 0.86	1.06E-38 1.13E-30 1.95E-29
Ifrd1 P2ry10 Nr4a2	3.54E-42 3.75E-34 6.48E-33 9.05E-33	-18.99 -2.91 -2.37 -3.61	0.81 0.46 0.26 0.51	0.99 0.88 0.86 0.92	1.06E-38 1.13E-30 1.95E-29 2.71E-29
Ifrd1 P2ry10 Nr4a2 Neurl3	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32	-18.99 -2.91 -2.37 -3.61 -2.27	0.81 0.46 0.26 0.51 0.59	0.99 0.88 0.86 0.92 0.93	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93	0.81 0.46 0.26 0.51 0.59 0.81	0.99 0.88 0.86 0.92 0.93 0.98	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50	0.81 0.46 0.26 0.51 0.59 0.81 0.28	0.99 0.88 0.92 0.93 0.98 0.80	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04	0.81 0.46 0.26 0.51 0.59 0.81 0.28 0.93	0.99 0.88 0.86 0.92 0.93 0.98 0.80 0.99	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33	0.81 0.46 0.26 0.51 0.59 0.81 0.28 0.93 0.63	0.99 0.88 0.86 0.92 0.93 0.98 0.80 0.99 0.99	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36	0.81 0.46 0.26 0.51 0.59 0.81 0.28 0.93 0.63 0.12	0.99   0.88   0.92   0.93   0.98   0.99   0.99   0.99   0.99   0.93	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94	0.81 0.46 0.26 0.51 0.59 0.81 0.28 0.93 0.63 0.12 0.48	0.99 0.88 0.92 0.93 0.98 0.80 0.99 0.99 0.93 0.65 0.84	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70	0.99   0.88   0.92   0.93   0.98   0.99   0.99   0.99   0.93   0.80   0.93   0.94   0.95   0.93   0.93   0.93   0.65   0.84   0.88	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51	0.81 0.46 0.26 0.51 0.59 0.81 0.28 0.93 0.63 0.12 0.48 0.70 0.37	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.80   0.93   0.80   0.93   0.80   0.93   0.80   0.93   0.83   0.65   0.84   0.88   0.75	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.80   0.93   0.84   0.88   0.75   0.61	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.65   0.84   0.88   0.75   0.61   0.73	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.93   0.93   0.94   0.95   0.80   0.93   0.93   0.93   0.65   0.84   0.75   0.61   0.73   0.75	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Cog10b	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 6.56E-18	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.08 -1.00	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.93   0.93   0.93   0.93   0.93   0.93   0.93   0.65   0.84   0.75   0.61   0.73   0.75   0.75	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 6.56E-18 9.04E-18	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.65   0.84   0.88   0.75   0.61   0.75   0.75   0.77   0.67	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 9.04E-18 9.19E-18	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.65   0.84   0.88   0.75   0.61   0.75   0.75   0.77   0.67	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Etb1	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 6.56E-18 9.04E-18 9.19E-18 4.41E-17	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98 -7.05	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.65   0.84   0.88   0.75   0.61   0.73   0.75   0.77   0.67   0.92   1.00	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 6.56E-18 9.04E-18 9.19E-18 4.41E-17 4.48E-17	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98 -7.05 -0.80	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12	0.99   0.88   0.92   0.93   0.98   0.99   0.99   0.93   0.99   0.93   0.65   0.84   0.88   0.75   0.61   0.73   0.75   0.77   0.67   0.92   1.00   0.63	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b Tnfrsf1b	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 6.56E-18 9.04E-18 9.04E-18 9.19E-18 4.41E-17 4.48E-17 5.49E-17	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98 -7.05 -0.80 -1.24	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12   0.26	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.98   0.80   0.99   0.93   0.65   0.84   0.75   0.61   0.73   0.75   0.77   0.67   0.92   1.00   0.63   0.71	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13 1.65E-13
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b Tnfrsf1b Depnd42	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 6.56E-18 9.04E-18 9.19E-18 4.41E-17 4.48E-17 5.49E-17 7.62E-17	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98 -7.05 -0.80 -1.24 -1.24 -1.24 -1.24 -1.71	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12   0.26   0.74	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.93   0.93   0.93   0.93   0.93   0.93   0.65   0.84   0.75   0.61   0.75   0.77   0.67   0.92   1.00   0.63   0.71   0.91	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13 1.65E-13 2.28E-13
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b Tnfrsf1b Dennd4a Spin2c	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 9.04E-18 9.19E-18 4.41E-17 4.48E-17 5.49E-17 7.62E-17 9.15E-17	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98 -7.05 -0.80 -1.24 -1.71 0.28	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12   0.26   0.74   0.24	0.99   0.88   0.92   0.93   0.98   0.99   0.99   0.93   0.99   0.93   0.65   0.84   0.75   0.61   0.73   0.75   0.67   0.92   1.00   0.63   0.71   0.91	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13 1.65E-13 2.28E-13 2.74E-13
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b Tnfrsf1b Dennd4a Spin2c	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 9.04E-18 9.19E-18 4.41E-17 4.48E-17 5.49E-17 7.62E-17 9.15E-17 1.21E 16	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98 -7.05 -0.80 -1.24 -1.71 0.28 1.15	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12   0.26   0.74   0.24	0.99   0.88   0.92   0.93   0.98   0.99   0.93   0.99   0.93   0.65   0.84   0.75   0.61   0.73   0.75   0.67   0.92   1.00   0.63   0.71   0.91   0.06	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13 1.65E-13 2.28E-13 2.74E-13 5.14E 12
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b Tnfrsf1b Dennd4a Spin2c Vgll4	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 9.19E-18 9.19E-18 4.41E-17 4.48E-17 5.49E-17 7.62E-17 9.15E-17 1.71E-16 2.40E-16	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98 -7.05 -0.80 -1.24 -1.71 0.28 -1.15 -2.51	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12   0.26   0.74   0.24   0.45	0.99   0.88   0.92   0.93   0.98   0.98   0.99   0.99   0.93   0.65   0.84   0.75   0.61   0.75   0.67   0.92   1.00   0.63   0.71   0.91   0.06   0.78	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13 1.65E-13 2.28E-13 2.74E-13 5.14E-13 7.49E 42
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b Tnfrsf1b Dennd4a Spin2c Vgll4 Dnaja1 Pal2114	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 9.04E-18 9.04E-18 9.04E-18 9.04E-18 9.19E-18 4.41E-17 4.48E-17 5.49E-17 7.62E-17 9.15E-17 1.71E-16 2.49E-16 2.49E-16 2.62E-16	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98 -7.05 -0.80 -1.24 -1.71 0.28 -1.15 -3.51 -4.41	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12   0.26   0.74   0.24   0.45   0.84	0.99   0.88   0.92   0.93   0.98   0.99   0.99   0.93   0.98   0.80   0.99   0.93   0.65   0.84   0.88   0.75   0.61   0.73   0.75   0.77   0.67   0.92   1.00   0.63   0.71   0.91   0.06   0.78   0.98	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13 1.65E-13 2.28E-13 2.74E-13 5.14E-13 7.48E-13 1.00E 42
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b Tnfrsf1b Dennd4a Spin2c Vgll4 Dnaja1 Bcl2l11	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 9.04E-18 9.04E-18 9.19E-18 4.41E-17 4.48E-17 5.49E-17 7.62E-17 9.15E-17 1.71E-16 2.49E-16 3.62E-16 4.05E-16	-18.99 -2.91 -2.37 -3.61 -2.27 -3.93 -2.50 -3.04 -2.33 -1.36 -1.94 -1.64 -1.51 -2.15 -1.12 -1.64 -1.51 -2.15 -1.12 -1.08 -1.00 -2.05 -1.98 -7.05 -0.80 -1.24 -1.71 0.28 -1.15 -3.51 -1.41 -1.41 -1.64	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12   0.26   0.74   0.24   0.445   0.84   0.46	0.99   0.88   0.92   0.93   0.98   0.98   0.99   0.99   0.93   0.65   0.84   0.88   0.75   0.61   0.73   0.75   0.67   0.92   1.00   0.63   0.71   0.91   0.06   0.78   0.98   0.82	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13 1.65E-13 2.28E-13 2.28E-13 2.74E-13 5.14E-13 7.48E-13 1.09E-12 1.24E 12 12 12 12 12 12 12 12 12 12
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b Tnfrsf1b Dennd4a Spin2c Vgll4 Dnaja1 Bcl2l11 Dgat1	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 6.56E-18 9.04E-18 9.04E-18 9.04E-18 9.19E-18 4.41E-17 4.48E-17 5.49E-17 7.62E-17 9.15E-17 1.71E-16 2.49E-16 3.62E-16 4.05E-16 4.05E-16	$\begin{array}{r} -18.99 \\ -2.91 \\ -2.37 \\ -3.61 \\ -2.27 \\ -3.93 \\ -2.50 \\ -3.04 \\ -2.33 \\ -2.50 \\ -3.04 \\ -2.33 \\ -1.36 \\ -1.94 \\ -1.64 \\ -1.51 \\ -2.15 \\ -1.12 \\ -1.64 \\ -1.51 \\ -2.05 \\ -1.98 \\ -7.05 \\ -0.80 \\ -1.24 \\ -1.71 \\ 0.28 \\ -1.15 \\ -3.51 \\ -1.41 \\ -1.05 \\ -1.98 \\ -1.98 \\ -1.05 \\ -1.98 \\$	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12   0.26   0.74   0.24   0.45   0.84   0.46   0.09	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.98   0.80   0.99   0.93   0.65   0.84   0.88   0.75   0.61   0.73   0.75   0.77   0.67   0.92   1.00   0.63   0.71   0.91   0.06   0.78   0.98   0.82   0.57	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13 1.65E-13 2.28E-13 2.28E-13 2.74E-13 5.14E-13 7.48E-13 1.09E-12 1.21E-12 2.12E-12 2.12E-12 2.12E-12
Ifrd1 P2ry10 Nr4a2 Neurl3 Ifngr1 Crem Litaf Ier2 Nr4a3 Tnfaip3 Stat3 Nr4a1 Hilpda Ubald2 D16Ertd472e Coq10b Errfi1 Arf4 Fth1 Ppp1r3b Tnfrsf1b Dennd4a Spin2c Vgll4 Dnaja1 Bcl2l11 Dgat1 Ltb Daa2	3.54E-42 3.75E-34 6.48E-33 9.05E-33 6.12E-32 8.34E-31 2.33E-27 6.89E-27 1.07E-25 1.13E-24 6.09E-23 7.63E-21 9.07E-20 8.06E-19 1.07E-18 5.03E-18 6.56E-18 9.04E-18 9.19E-18 4.41E-17 4.48E-17 5.49E-17 7.62E-17 9.15E-17 1.71E-16 2.49E-16 3.62E-16 4.05E-16 1.04E-15 5.06E-45	$\begin{array}{r} -18.99 \\ -2.91 \\ -2.37 \\ -3.61 \\ -2.27 \\ -3.93 \\ -2.50 \\ -3.04 \\ -2.33 \\ -2.50 \\ -3.04 \\ -2.33 \\ -1.36 \\ -1.94 \\ -1.64 \\ -1.51 \\ -2.15 \\ -1.12 \\ -1.64 \\ -1.51 \\ -2.05 \\ -1.98 \\ -7.05 \\ -0.80 \\ -1.24 \\ -1.71 \\ 0.28 \\ -1.24 \\ -1.71 \\ 0.28 \\ -1.15 \\ -3.51 \\ -1.41 \\ -1.05 \\ 1.88 \\ 4.55 \end{array}$	0.81   0.46   0.26   0.51   0.59   0.81   0.28   0.93   0.63   0.12   0.48   0.70   0.37   0.10   0.44   0.32   0.29   0.22   0.77   1.00   0.12   0.26   0.74   0.24   0.45   0.84   0.46   0.09   0.89	0.99   0.88   0.92   0.93   0.98   0.80   0.99   0.93   0.98   0.80   0.99   0.93   0.65   0.84   0.75   0.61   0.73   0.75   0.77   0.67   0.92   1.00   0.63   0.71   0.91   0.06   0.78   0.98   0.82   0.57   0.60	1.06E-38 1.13E-30 1.95E-29 2.71E-29 1.84E-28 2.50E-27 6.99E-24 2.07E-23 3.21E-22 3.38E-21 1.83E-19 2.29E-17 2.72E-16 2.42E-15 3.22E-15 1.51E-14 1.97E-14 2.71E-14 2.76E-14 1.32E-13 1.34E-13 1.65E-13 2.28E-13 2.74E-13 5.14E-13 7.48E-13 1.09E-12 1.21E-12 3.12E-12 4.52E-14

Serpinb6b	7.94E-15	-2.80	0.39	0.71	2.38E-11
Gimap7	9.44E-15	1.04	0.80	0.44	2.83E-11
Ldlrad4	1.70E-14	-1.27	0.30	0.68	5.09E-11
Cytip	3.03E-14	-1.47	0.81	0.92	9.08E-11
lsy1	4.81E-14	-1.00	0.28	0.71	1.44E-10
Gimap6	6.39E-14	1.13	0.92	0.68	1.92E-10
Sqstm1	1.13E-13	-1.65	0.81	0.94	3.40E-10
Tpm4	1.49E-13	-0.98	0.45	0.70	4.46E-10