



Supplemental Material to:

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**Role of the tumor suppressor ARF in macrophage
polarization**

Enhancement of the M2 phenotype in ARF-deficient mice

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Supplementary Table 1. List of basal expression of inflammatory cytokines and chemokines in ARF-deficient macrophages vs. WT macrophages.

Position	Refseq	Symbol	Description	Fold Change	p-value
A01	NM_013854	Abcf1	ATP-binding cassette, sub-family F (GCN20), member 1	0,1858	0,464561
A02	NM_009744	Bcl6	B-cell leukemia/lymphoma 6	0,792	0,373669
A03	NM_007551	Cxcr5	Chemokine (C-X-C motif) receptor 5	0,5611	0,260341
A04	NM_009778	C3	Complement component 3	0,1761	0,001488
A05	NM_009807	Casp1	Caspase 1	0,7628	0,092125
A06	NM_011329	Ccl1	Chemokine (C-C motif) ligand 1	0,5962	0,465197
A07	NM_011330	Ccl11	Chemokine (C-C motif) ligand 11	0,4031	0,37101
A08	NM_011331	Ccl12	Chemokine (C-C motif) ligand 12	2,7045	0,298209
A09	NM_011332	Ccl17	Chemokine (C-C motif) ligand 17	6,2512	0,00196
A10	NM_011888	Ccl19	Chemokine (C-C motif) ligand 19	1,1174	0,984069
A11	NM_011333	Ccl2	Chemokine (C-C motif) ligand 2	0,331	0,005961
A12	NM_016960	Ccl20	Chemokine (C-C motif) ligand 20	1,155	0,928923
B01	NM_009137	Ccl22	Chemokine (C-C motif) ligand 22	1,1915	0,505608
B02	NM_019577	Ccl24	Chemokine (C-C motif) ligand 24	1,0301	0,978354
B03	NM_009138	Ccl25	Chemokine (C-C motif) ligand 25	0,6498	0,794046
B04	NM_011337	Ccl3	Chemokine (C-C motif) ligand 3	1,223	0,288134
B05	NM_013652	Ccl4	Chemokine (C-C motif) ligand 4	0,9527	0,884802
B06	NM_013653	Ccl5	Chemokine (C-C motif) ligand 5	1,0061	0,896538
B07	NM_009139	Ccl6	Chemokine (C-C motif) ligand 6	1,5934	0,136059
B08	NM_013654	Ccl7	Chemokine (C-C motif) ligand 7	0,2199	0,077115
B09	NM_021443	Ccl8	Chemokine (C-C motif) ligand 8	1,0072	0,884113
B10	NM_011338	Ccl9	Chemokine (C-C motif) ligand 9	1,1113	0,224919
B11	NM_009912	Ccr1	Chemokine (C-C motif) receptor 1	1,5068	0,403398
B12	NM_009915	Ccr2	Chemokine (C-C motif) receptor 2	1,103	0,853308
C01	NM_009914	Ccr3	Chemokine (C-C motif) receptor 3	1,2531	0,560283
C02	NM_009916	Ccr4	Chemokine (C-C motif) receptor 4	0,9815	0,942704
C03	NM_009917	Ccr5	Chemokine (C-C motif) receptor 5	1,313	0,432026
C04	NM_009835	Ccr6	Chemokine (C-C motif) receptor 6	0,5281	0,478324
C05	NM_007719	Ccr7	Chemokine (C-C motif) receptor 7	0,8512	0,673759
C06	NM_007720	Ccr8	Chemokine (C-C motif) receptor 8	1,1148	0,616121
C07	NM_009913	Ccr9	Chemokine (C-C motif) receptor 9	0,8893	0,356052
C08	NM_007768	Crp	C-reactive protein, pentraxin-related	1,5771	0,594226
C09	NM_009142	Cx3cl1	Chemokine (C-X3-C motif) ligand 1	0,2798	0,748705
C10	NM_008176	Cxcl1	Chemokine (C-X-C motif) ligand 1	1,8055	0,389719
C11	NM_021274	Cxcl10	Chemokine (C-X-C motif) ligand 10	0,2134	0,008431
C12	NM_019494	Cxcl11	Chemokine (C-X-C motif) ligand 11	1,0825	0,659454
D01	NM_021704	Cxcl12	Chemokine (C-X-C motif) ligand 12	0,2452	0,030727
D02	NM_018866	Cxcl13	Chemokine (C-X-C motif) ligand 13	0,1254	0,030557
D03	NM_011339	Cxcl15	Chemokine (C-X-C motif) ligand 15	2,8189	0,226568
D04	NM_019932	Pf4	Platelet factor 4	0,3841	0,1401
D05	NM_009141	Cxcl5	Chemokine (C-X-C motif) ligand 5	0,1642	0,022855
D06	NM_008599	Cxcl9	Chemokine (C-X-C motif) ligand 9	1,2332	0,979361
D07	NM_009910	Cxcr3	Chemokine (C-X-C motif) receptor 3	0,4006	0,074498
D08	NM_007721	Ccr10	Chemokine (C-C motif) receptor 10	0,7163	0,894086
D09	NM_008337	Ifng	Interferon gamma	1,1246	0,614737
D10	NM_010548	Il10	Interleukin 10	0,5078	0,314497
D11	NM_008348	Il10ra	Interleukin 10 receptor, alpha	0,9027	0,643629
D12	NM_008349	Il10rb	Interleukin 10 receptor, beta	1,245	0,47637
E01	NM_008350	Il11	Interleukin 11	0,577	0,615798
E02	NM_008355	Il13	Interleukin 13	0,5553	0,556637
E03	NM_133990	Il13ra1	Interleukin 13 receptor, alpha 1	1,0957	0,794993
E04	NM_008357	Il15	Interleukin 15	1,2032	0,598827
E05	NM_010551	Il16	Interleukin 16	1,0238	0,929079
E06	NM_019508	Il17b	Interleukin 17B	0,5607	0,222955
E07	NM_008360	Il18	Interleukin 18	0,8985	0,555084
E08	NM_010554	Il1a	Interleukin 1 alpha	1,0384	0,806144
E09	NM_008361	Il1b	Interleukin 1 beta	0,9042	0,931759
E10	NM_019450	Il1f6	Interleukin 1 family, member 6	0,8603	0,76576
E11	NM_027163	Il1f8	Interleukin 1 family, member 8	0,9172	0,997097
E12	NM_008362	Il1r1	Interleukin 1 receptor, type I	0,0485	0,368641
F01	NM_010555	Il1r2	Interleukin 1 receptor, type II	1,4	0,54441
F02	NM_021380	Il20	Interleukin 20	1,7408	0,05204
F03	NM_008368	Il2rb	Interleukin 2 receptor, beta chain	2,147	0,5172
F04	NM_013563	Il2rg	Interleukin 2 receptor, gamma chain	1,4803	0,21646
F05	NM_010556	Il3	Interleukin 3	0,6883	0,595105
F06	NM_021283	Il4	Interleukin 4	1,062	0,608801
F07	NM_008370	Il5ra	Interleukin 5 receptor, alpha	3,404	0,267235
F08	NM_010559	Il6ra	Interleukin 6 receptor, alpha	1,0603	0,958963
F09	NM_010560	Il6st	Interleukin 6 signal transducer	0,7879	0,492623
F10	NM_009909	Cxcr2	Chemokine (C-X-C motif) receptor 2	1,4751	0,360873
F11	NM_008401	Itgam	Integrin alpha M	1,9935	0,395101
F12	NM_008404	Itgb2	Integrin beta 2	1,4174	0,086891
G01	NM_010735	Lta	Lymphotoxin A	1,5062	0,549191
G02	NM_008518	Ltb	Lymphotoxin B	4,4502	0,204118
G03	NM_010798	Mif	Macrophage migration inhibitory factor	0,8721	0,506439
G04	NM_007926	Aimp1	Aminoacyl tRNA synthetase complex-interacting multifunctional protein 1	0,9693	0,957767
G05	NM_009263	Spp1	Secreted phosphoprotein 1	0,6048	0,069593
G06	NM_011577	Tgfb1	Transforming growth factor, beta 1	1,0107	0,797487
G07	NM_013693	Tnf	Tumor necrosis factor	0,9549	0,842999
G08	NM_011609	Tnfrsf1a	Tumor necrosis factor receptor superfamily, member 1a	1,0065	0,89851
G09	NM_011610	Tnfrsf1b	Tumor necrosis factor receptor superfamily, member 1b	49,2344	0,373874
G10	NM_011616	Cd40lg	CD40 ligand	1,0476	0,701673
G11	NM_023764	Tollip	Toll interacting protein	1,1904	0,455604
G12	NM_011798	Xcr1	Chemokine (C motif) receptor 1	2,6956	0,270681

The p values are calculated based on a Student's t-test of the replicate 2⁻(- Delta Ct) values for each gene in the control group and treatment groups, and p values less than 0.05 are indicated in red.