Table S1

Mouse Innate and Adaptive Immune Responses Array[a].

(i) Genes with significant fold-change in at least one comparison group

	1 v Resting[b]		**1861 v Resting[c]**		**1861 v 1[d]**	
Gene symbol	**fold-change**	***p*-value**	**fold-change**	***p*-value**	**fold-change**	***p*-value**
C3	**2.33**	**0.042222**	*2.33*	*0.121247*	*-1*	*0.7882*
C5ar1	**4.72**	**0.010175**	*2.04*	*0.190194*	*-2.31*	*0.289267*
Casp1	**2.55**	**0.025216**	**4.42**	**0.004456**	*1.73*	*0.069515*
Ccr5	**3.44**	**0.028083**	**3.18**	**0.030649**	*-1.08*	*0.831375*
Cd14	**36.69**	**0.013988**	**28.55**	**0.000313**	*-1.29*	*0.343981*
Cd40	*3.04*	*0.08034*	**6.28**	**0.000933**	*2.06*	*0.140353*
Cd80	**13**	**0.019732**	**5.97**	**0.000009**	*-2.18*	*0.082487*
Cd86	**2.51**	**0.021136**	**4.49**	**0.001248**	*1.79*	*0.052369*
Crp	*1.19*	*0.831302*	**8.2**	**0.01177**	**6.91**	**0.012007**
Csf2	**14.25**	**0.000369**	**9.42**	**0.000044**	*-1.51*	*0.038636*
Cxcl10	**662.83**	**0.001682**	**3386.31**	**0.00734**	**5.11**	**0.018987**
Ddx58	*2.65*	*0.063235*	**5.21**	**0.045466**	*1.97*	*0.1788*
H2-T23	*1.95*	*0.004957*	**3.27**	**0.027865**	*1.67*	*0.115347*
Icam1	**4.37**	**0.003849**	**4.05**	**0.001961**	*-1.08*	*0.717717*
Ifna2	*2.64*	*0.124689*	**9.77**	**0.010836**	**3.69**	**0.039819**
Ifnb1	*38.72*	*0.086293*	**59.94**	**0.026515**	*1.55*	*0.666804*
Ifng	**55.52**	**0.003099**	**345.61**	**0.001729**	**6.22**	**0.004487**
Il10	**5.5**	**0.032818**	**12.21**	**0.000158**	**2.22**	**0.039173**
Il13	**2.34**	**0.022911**	*4.38*	*0.1004*	*1.87*	*0.185129*
Il17a	*4.59*	*0.085905*	**10.04**	**0.004866**	*2.19*	*0.128599*
Il1a	**12.51**	**0.000949**	**20.08**	**0.000097**	*1.61*	*0.041196*

Il1b	**56.2**	**0.006878**	**63.47**	**0.000089**	*1.13*	*0.976548*
Il1r1	**3.62**	**0.005194**	**3.31**	**0.000258**	*-1.09*	*0.552768*
Il23a	**36.57**	**0.007967**	**51.2**	**0.007169**	*1.4*	*0.44115*
Il6	**146.02**	**0.000707**	**161.79**	**0.039374**	*1.11*	*0.489806*
Irf7	*7.29*	*0.05966*	**19.88**	**0.001002**	**2.73**	**0.047797**
Itgam	**6.55**	**0.003824**	**12.58**	**0.003667**	*1.92*	*0.074304*
Jak2	**2.86**	**0.018894**	**3.85**	**0.025788**	*1.35*	*0.322896*
Mx1	**16.97**	**0.03917**	**57.6**	**0.000637**	**3.39**	**0.019798**
Myd88	**2.65**	**0.031416**	*3.22*	*0.093048*	*1.21*	*0.38883*
Nfkb1	*2.1*	*0.090458*	**3.44**	**0.018081**	*1.64*	*0.173956*
Nlrp3	**38.19**	**0.004434**	**54.21**	**0.001199**	*1.42*	*0.287334*
Nod2	**9.66**	**0.015706**	**19.07**	**0.030232**	*1.97*	*0.192484*
Slc11a1	**3.47**	**0.034254**	**2.62**	**0.0104**	*-1.33*	*0.350404*
Stat1	*1.99*	*0.023412*	**6.94**	**0.010506**	**3.5**	**0.020219**
Stat3	*2.78*	*0.053387*	**3.3**	**0.01169**	*1.19*	*0.786819*
Tlr2	*9.61*	*0.053321*	**24.9**	**0.003962**	*2.59*	*0.074846*
Tlr3	*1.34*	*0.25329*	**2.52**	**0.003177**	*1.88*	*0.03784*
Tlr4	**2.7**	**0.032918**	**5.32**	**0.010844**	*1.97*	*0.108524*
Tlr5	**-2.26**	**0.002038**	**-3.69**	**0.000608**	*-1.63*	*0.080217*
Tlr8	**2.57**	**0.003939**	**2.4**	**0.01732**	*-1.07*	*0.765555*
Tnf	**71.26**	**0.034427**	**55.16**	**0.025604**	*-1.29*	*0.578279*
Tyk2	*-1.38*	*0.101193*	**-2.26**	**0.008972**	*-1.64*	*0.04999*

(ii) Genes with no significant fold-changes in any comparison group

	1 v Resting[b]		1861 v Resting[c]		1861 v 1[d]	
Gene symbol	**fold-change**	***p*-value**	**fold-change**	***p*-value**	**fold-change**	***p*-value**
Apcs	-1.1	0.681795	1.18	0.634331	1.29	0.41576
Ccl12	2.37	0.244037	2.83	0.134017	1.19	0.526123
Ccl5	1.88	0.2097	3.16	0.054793	1.69	0.15042
Ccr4	2.47	0.683088	3.11	0.385396	1.26	0.309677
Ccr6	1.39	0.624149	-1.41	0.766939	-1.96	0.44634
Ccr8	1.56	0.411407	2.89	0.061961	1.85	0.492229
Cd4	-2.38	0.331259	-3.26	0.29868	-1.37	0.277646
Cd40lg	-1.46	0.323142	1.06	0.892685	1.55	0.217032
Cd8a	-2.39	0.351103	-2.06	0.36493	1.16	0.46977
Cxcr3	-1.08	0.945753	1.08	0.885355	1.17	0.864216
Fasl	2.13	0.289239	2.46	0.16419	1.16	0.692838
Foxp3	-1.11	0.995684	1.07	0.679392	1.19	0.725564
Gata3	-1.6	0.640001	-1.7	0.379356	-1.06	0.811623
H2-Q10	-1.33	0.422194	11.44	0.172809	15.25	0.163106
Ifnar1	1.08	0.58143	1.06	0.707629	-1.02	0.979097
Ifngr1	1.39	0.300099	-1.49	0.086573	-2.07	0.076628
Il18	-1.22	0.400888	-1.09	0.938618	1.12	0.518727
Il2	-1.1	0.681795	1.21	0.617857	1.32	0.399063
Il4	1.1	0.850322	1.23	0.572083	1.12	0.645832
Il5	-1.14	0.444136	-1.84	0.0646	-1.6	0.110326
Irak1	-1.26	0.428542	-1	0.888859	1.25	0.407765
Irf3	1.07	0.825579	1.1	0.705157	1.02	0.844627
Ly96	1.91	0.163368	3.5	0.096499	1.83	0.181165

Lyz2	-1.05	0.836131	-1.13	0.640551	-1.07	0.764977
Mapk1	1.09	0.908832	1.1	0.978388	1.01	0.823333
Mapk8	-1.23	0.39928	-1.22	0.443913	1.01	0.946208
Mbl2	-1.1	0.681795	1.18	0.634331	1.29	0.41576
Mpo	-1.06	0.599446	1.48	0.542214	1.56	0.289215
Nfkbia	4.21	0.077436	2.78	0.08867	-1.52	0.449863
Nod1	1.45	0.443541	1.79	0.21366	1.23	0.707567
Rag1	-3.25	0.358134	-2.89	0.358978	1.13	0.848791
Rorc	-1.03	0.649484	1.1	0.727201	1.13	0.693618
Stat4	1.36	0.278205	1.17	0.500363	-1.16	0.923067
Stat6	-1.34	0.230186	-1.58	0.088741	-1.18	0.318688
Tbx21	1.25	0.361167	1.56	0.080417	1.25	0.530412
Ticam1	-1.15	0.919751	-1.41	0.385692	-1.22	0.384671
Tlr1	1.75	0.629	1.19	0.853545	-1.47	0.111512
Tlr6	2.45	0.104283	1.7	0.371744	-1.44	0.22099
Tlr7	1.38	0.264071	1.63	0.176654	1.18	0.488009
Tlr9	1.54	0.317272	2.17	0.142154	1.41	0.760335
Traf6	1.12	0.50961	-1.42	0.041702	-1.59	0.200091

[a] Animals (n=4 per group) were challenged with 10^7 CFU of Strain 1 or Strain 1861, or left unchallenged ("resting"). Lungs were harvested for RNA isolation at 6h post-challenge and immune response gene expression analysed using Mouse Innate and Adaptive Immune Responses RT^2 Profiler™ PCR Arrays. Significant changes in expression were considered to be fold-change ≥ 2, $P < 0.05$. These are highlighted in bold.

[b,c] Changes in gene expression in lungs from challenged animals relative to resting controls.

[d] Changes in gene expression in lungs from animals challenged with strain 1861 relative to lungs from animals challenged with strain 1.

Table S2

Mouse Type I Interferon Response[a]

(i) Genes with significant fold-change in at least one comparison group

	1 v Resting[b]		**1861 v Resting**[c]		**1861 v 1**[d]	
Gene symbol	**fold-change**	***p*-value**	**fold-change**	***p*-value**	**fold-change**	***p*-value**
Adar	**2.09**	**0.001694**	**3.6**	**0.013804**	*1.73*	*0.08305*
Bst2	*-3.49*	*0.494485*	*2.26*	*0.053515*	**7.89**	**0.038312**
Casp1	*2.45*	*0.086648*	**5.38**	**0.028155**	*2.19*	*0.092263*
Ccl2	**102.86**	**0.000023**	**421.53**	**0.001627**	**4.1**	**0.006165**
Ccl4	**205.36**	**0.003604**	**817.17**	**0.000009**	**3.98**	**0.000208**
Ccl5	**2.75**	**0.04857**	**2.88**	**0.024565**	*1.05*	*0.918016*
Cd69	**4.69**	**0.008531**	**16.85**	**0.048602**	*3.59*	*0.087165*
Cd80	**21.59**	**0.023778**	**24.29**	**0.000271**	*1.13*	*0.909426*
Cd86	**4.07**	**0.028551**	**5.98**	**0.005524**	*1.47*	*0.284102*
Crp	*2.23*	*0.200209*	**10.53**	**0.00982**	**4.73**	**0.029543**
Cxcl10	**1490.93**	**0.017102**	**5770.58**	**0.004618**	**3.87**	**0.022306**
Ddx58	**3.1**	**0.000535**	**6.21**	**0.00051**	**2**	**0.008175**
Eif2ak2	**3.94**	**0.000392**	**16.62**	**0.000085**	**4.22**	**0.000286**
Gbp1	**8.95**	**0.000086**	**29.33**	**0.000025**	**3.28**	**0.000217**
H2-D1	*1.69*	*0.137651*	**2.22**	**0.047964**	*1.31*	*0.355881*
H2-K1	*-1.15*	*0.390231*	**2.22**	**0.014171**	**2.55**	**0.006709**
H2-M10.1	*1.69*	*0.137651*	**2.22**	**0.047964**	*1.31*	*0.355881*
H2-M3	*1.48*	*0.229106*	**2.78**	**0.002056**	*1.88*	*0.029088*
Ifi204	**7.78**	**0.010679**	**18.82**	**0.000565**	**2.42**	**0.018512**
Ifih1	**4.69**	**0.000283**	**20.39**	**0.006352**	**4.35**	**0.015216**
Ifit1	**24.37**	**0.000912**	**77.82**	**0.002493**	**3.19**	**0.014211**

Ifit2	**21.25**	**0.000124**	**105.02**	**0.000146**	**4.94**	**0.000529**
Ifit3	**3.09**	**0.000625**	**9.22**	**0.001351**	**2.98**	**0.00563**
Ifitm1	**4.21**	**0.000394**	**8.56**	**0.004066**	**2.03**	**0.038504**
Ifitm2	*1.95*	*0.009609*	**3.52**	**0.003333**	*1.81*	*0.026066*
Ifitm3	**2.65**	**0.000106**	**4.68**	**0.000043**	*1.77*	*0.000625*
Ifna2	**5.99**	**0.016795**	**17.26**	**0.016971**	*2.88*	*0.068768*
Ifna4	**7.94**	**0.006256**	*9.3*	*0.147022*	*1.17*	*0.513417*
Ifnar2	*1.84*	*0.031686*	**2.32**	**0.001468**	*1.26*	*0.275451*
Ifnb1	**66**	**0.03473**	**106.12**	**0.032259**	*1.61*	*0.39231*
Ifne	*1.69*	*0.137651*	**2.22**	**0.047964**	*1.31*	*0.355881*
Ifnz	*1.77*	*0.095132*	**2.22**	**0.047964**	*1.25*	*0.393239*
Il10	**7.23**	**0.000609**	**14.85**	**0.000541**	**2.05**	**0.015007**
Il15	**2.7**	**0.006081**	**9.95**	**0.000014**	**3.69**	**0.000102**
Il6	**229.84**	**0.022042**	**256.8**	**0.000091**	*1.12*	*0.907939*
Irf1	**5.33**	**0.000067**	**11.59**	**0.000303**	**2.17**	**0.005212**
Irf2	*1.89*	*0.023468*	**3.32**	**0.00161**	*1.75*	*0.015338*
Irf5	**4.16**	**0.011652**	*3.19*	*0.098134*	*-1.3*	*0.937401*
Irf7	**7.32**	**0.002524**	**19.83**	**0.000105**	**2.71**	**0.002391**
Irf9	**2.91**	**0.001813**	**5.28**	**0.000646**	*1.81*	*0.00877*
Isg15	**26.3**	**0.001784**	**110.24**	**0.00153**	**4.19**	**0.00635**
Isg20	**3.21**	**0.000065**	**7.31**	**0.00019**	**2.27**	**0.001934**
Jak1	*1.84*	*0.025349*	**3.06**	**0.00515**	*1.66*	*0.021711*
Jak2	**3.07**	**0.004525**	**5.21**	**0.000015**	*1.7*	*0.009038*
Mx1	**24.08**	**0.03047**	**67.74**	**0.000091**	**2.81**	**0.024421**
Mx2	**14.12**	**0.000315**	**34.05**	**0.006458**	**2.41**	**0.04558**
Myd88	**3.62**	**0.047628**	*3.01*	*0.087493*	*-1.2*	*0.825569*
Nos2	*1.57*	*0.023266*	**4.32**	**0.009201**	**2.76**	**0.019864**

Oas1a	**5.59**	**0.000632**	**18.76**	**0.000012**	**3.36**	**0.000126**
Oas1b	*3.51*	*0.098534*	**13.73**	**0.013932**	*3.92*	*0.060844*
Oas2	**4.16**	**0.00000**	**7.9**	**0.005297**	*1.9*	*0.049354*
Pml	*1.82*	*0.057354*	**3.49**	**0.000146**	*1.92*	*0.018254*
Psme2	**2.26**	**0.039652**	**5.88**	**0.003546**	**2.6**	**0.019732**
Socs1	*23.26*	*0.073031*	**98.5**	**0.010876**	*4.24*	*0.052315*
Stat1	**3.1**	**0.043775**	**10.02**	**0.000169**	**3.23**	**0.003154**
Stat2	**3.38**	**0.022449**	**8.98**	**0.000073**	**2.66**	**0.003261**
Stat3	**2.8**	**0.003943**	**4.01**	**0.00001**	*1.43*	*0.031599*
Tap1	**5.37**	**0.000183**	**8.48**	**0.000278**	*1.58*	*0.029406*
Timp1	**25.32**	**0.001053**	**63.21**	**0.014784**	*2.5*	*0.078742*
Tlr3	*1.48*	*0.123601*	**2.71**	**0.00243**	*1.83*	*0.015348*
Tlr8	**2.01**	**0.040173**	**2.29**	**0.01375**	*1.14*	*0.600687*
Traf3	*1.24*	*0.239088*	*-1.71*	*0.005748*	**-2.13**	**0.025507**
Tyk2	*-1.39*	*0.047608*	**-2.01**	**0.011672**	*-1.45*	*0.113686*

(ii) Genes with no significant fold-changes in any comparison group

	1 v Resting[b]		1861 v Resting[c]		1861 v 1[d]	
Gene symbol	**fold-change**	***p*-value**	**fold-change**	***p*-value**	**fold-change**	***p*-value**
Bag3	-1.33	0.305242	1.29	0.369599	1.72	0.095586
Cav1	-1.28	0.553136	-1.57	0.198045	-1.22	0.373188
Cd70	1.94	0.284339	1.84	0.322525	-1.06	0.628119
Cdkn1b	-1.49	0.174182	-1.38	0.124661	1.08	0.863391
Ciita	-1.08	0.800801	1.12	0.435408	1.21	0.836752
H2-Bl	-1.35	0.115592	-1.26	0.323271	1.07	0.627968
H2-T10	-2.26	0.362928	9.86	0.234151	22.28	0.188749
Ifi30	1.75	0.196318	1.23	0.85751	-1.42	0.031016
Ifnar1	1.13	0.332325	-1	0.967456	-1.13	0.412895
Irf3	-1.06	0.979114	1.07	0.741029	1.13	0.75859
Mal	1.22	0.379471	-1.04	0.803365	-1.26	0.736138
Met	-1.1	0.620865	-1.62	0.04001	-1.47	0.05535
Nmi	1.52	0.204057	3.14	0.0633	2.07	0.118295
Prkcz	-1.14	0.529683	-1.69	0.116947	-1.48	0.152733
Shb	1.7	0.045891	1.75	0.012511	1.03	0.933661
Sh2d1a	-1.6	0.383735	-1.61	0.402283	-1	0.827181
Ticam1	1.09	0.722986	-1.67	0.154694	-1.82	0.149367
Tlr7	1.37	0.19618	1.34	0.195115	-1.02	0.876122
Tlr9	-1.27	0.621398	-1.41	0.591035	-1.11	0.913773
Tnfsf10	1.04	0.833337	1.46	0.052335	1.41	0.108623
Vegfa	1.08	0.802504	-1.2	0.354747	-1.29	0.236168

[a] Animals (n=4 per group) were challenged with 10^7 CFU of Strain 1 or Strain 1861, or left unchallenged ("resting"). Lungs were harvested for RNA isolation at 6h post-challenge and

immune response gene expression analysed using Mouse Type I Interferon Response RT^2 Profiler™ PCR Arrays. Significant changes in expression were considered to be fold-change ≥ 2, $P < 0.05$. These are highlighted in bold.

[b,c] Changes in gene expression in lungs from challenged animals relative to resting controls.

[d] Changes in gene expression in lungs from animals challenged with strain 1861 relative to lungs from animals challenged with strain 1.

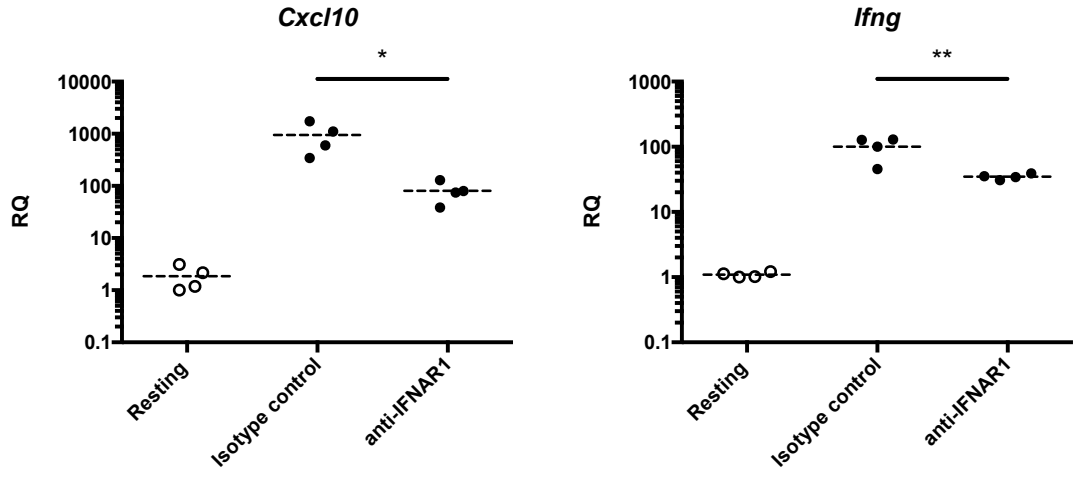

Figure S1. Confirming suppression of IFN-I response by measurement of IFN-I responsive gene expression. *Cxcl10* and *Ifng* expression was determined by qRT-PCR, comparing mRNA from lungs of strain 1861-infected mice at 6 h post challenge (filled circles) treated with either the isotype control or anti-IFNAR1 antibody, relative to an uninfected resting control group (open circles). A statistically significant difference in relative expression between isotype-treated and anti-IFNAR1 antibody-treated groups was determined by one-way ANOVA with Tukey's multiple comparison test, * = $P < 0.05$, ** = $P < 0.01$.