

S1 Table. Cytokine and chemokine profiles of C57Bl/6N and *Ifi35*^{-/-} mice. Mean \pm SEM values for all 23 cytokines assayed in C57Bl/6N and *Ifi35*^{-/-} mice at 1, 2,3, and 5 dpi following infection with 100EID₅₀ of H5N1-VN/PR8. Values are from three independent experiments with total of n = 9-19 mice per group. **P* < 0.01, ***P* < 0.001, ****P* < 0.0001 using multiple student t-test. n.d. = not detectable

Cytokine/chemokine concentration (pg/mL) in bronchoalveolar lavage fluid following 100 EID ₅₀ H5N1-IAV challenge:						
	Day 1		Day 2		Day 3	
	C57Bl/6N (n = 9) mean \pm SEM	<i>Ifi35</i> ^{-/-} (n = 15) mean \pm SEM	C57Bl/6N (n = 14) mean \pm SEM	<i>Ifi35</i> ^{-/-} (n = 19) mean \pm SEM	C57Bl/6N (n = 10) mean \pm SEM	<i>Ifi35</i> ^{-/-} (n = 14) mean \pm SEM
IL-1a	5.13 \pm 1.48	4.05 \pm 0.81	4.15 \pm 0.91	3.92 \pm 0.77	4.30 \pm 1.21	4.67 \pm 0.70
IL-1b	58.61 \pm 11.81	60.10 \pm 14.57	65.00 \pm 7.97	8.74 \pm 6.38	577.00 \pm 3.53	74.14 \pm 3.87
IL-2	3.51 \pm 0.53	2.07 \pm 0.64	0.96 \pm 0.42	n.d.	4.04 \pm 0.56	4.28 \pm 0.63
IL-3	2.43 \pm 0.21	2.14 \pm 0.37	1.73 \pm 0.25	1.42 \pm 0.26	1.77 \pm 0.07	1.72 \pm 0.17
IL-4	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
IL-5	1.69 \pm 0.74	1.14 \pm 0.59	1.62 \pm 0.48	0.81 \pm 0.22	8.27 \pm 0.99	9.58 \pm 1.17
IL-6	3.49 \pm 0.47	3.17 \pm 1.12	62.57 \pm 7.72	40.75 \pm 4.56	200.52 \pm 22.85	149.99 \pm 15.81
IL-9	54.95 \pm 11.53	35.15 \pm 12.75	35.09 \pm 9.28	21.70 \pm 7.45	10.53 \pm 7.02	11.67 \pm 8.02
IL-10	3.84 \pm 2.58	3.52 \pm 2.37	5.34 \pm 2.01	3.69 \pm 1.18	27.01 \pm 1.53	23.73 \pm 1.51
IL-12(p40)	44.04 \pm 3.55	19.07**** \pm 1.11	89.01 \pm 6.93	41.57**** \pm 3.43	267.20 \pm 5.51	154.35*** \pm 16.84
IL-12(p70)	17.42 \pm 1.39	13.25 \pm 3.10	14.12 \pm 1.44	9.05 \pm 1.41	29.26 \pm 1.83	27.80 \pm 1.43
IL-13	59.08 \pm 6.74	57.65 \pm 12.26	41.44 \pm 7.25	38.27 \pm 6.32	20.29 \pm 6.93	15.22 \pm 6.47
IL-17	13.87 \pm 1.04	12.75 \pm 0.89	11.77 \pm 0.53	11.78 \pm 0.43	13.37 \pm 0.88	12.48 \pm 0.64
Eotaxin	87.29 \pm 26.36	80.78 \pm 20.03	58.48 \pm 18.85	83.59 \pm 19.34	225.56 \pm 13.39	220.72 \pm 8.52
G-CSF	8.38 \pm 1.65	5.27 \pm 1.11	42.5 \pm 3.65	34.62 \pm 4.72	137.23 \pm 18.77	132.84 \pm 16.16
GM-CSF	35.75 \pm 10.53	37.29 \pm 9.09	43.50 \pm 8.09	36.26 \pm 6.12	89.55 \pm 3.14	82.96 \pm 1.42
IFN-γ	1.47 \pm 0.38	1.74 \pm 0.64	4.93 \pm 2.03	4.30 \pm 0.78	8.58 \pm 0.76	12.98 \pm 2.55
KC	23.18 \pm 3.28	18.06 \pm 2.02	84.27 \pm 10.65	44.47** \pm 3.41	345.60 \pm 12.52	140.92**** \pm 11.92
MCP-1	45.39 \pm 8.51	41.30 \pm 10.95	86.76 \pm 9.64	58.27* \pm 5.50	245.06 \pm 16.89	223.91 \pm 29.95
MIP-1a	12.98 \pm 3.70	9.21 \pm 1.71	26.42 \pm 4.88	17.66 \pm 1.94	21.43 \pm 2.02	17.32 \pm 1.72
MIP-1b	4.77 \pm 0.61	6.88 \pm 3.39	51.45 \pm 17.36	29.57 \pm 4.84	27.85 \pm 3.65	33.05 \pm 4.45
RANTES	3.50 \pm 0.58	2.63 \pm 0.79	24.79 \pm 3.55	16.33 \pm 1.40	36.14 \pm 4.85	31.40 \pm 4.76
TNF-a	51.04 \pm 9.62	47.88 \pm 6.53	74.37 \pm 19.48	54.47 \pm 12.46	105.41 \pm 27.20	78.96 \pm 17.06

Cytokine/chemokine concentration (pg/mL) in bronchoalveolar lavage fluid following 100 EID₅₀ H5N1-IAV challenge:

	Day 5		Day 8		Day 11	
	C57Bl/6N (n = 12) mean ± SEM	C57Bl/6N (n = 12) mean ± SEM	C57Bl/6N (n = 11) mean ± SEM	<i>Ifi35</i> ^{-/-} (n = 10) mean ± SEM	C57Bl/6N (n = 7) mean ± SEM	<i>Ifi35</i> ^{-/-} (n = 6) mean ± SEM
IL-1a	5.99 ± 0.90	5.99 ± 0.90	1.15 ± 0.52	1.27 ± 0.47	n.d.	n.d.
IL-1b	106.36 ± 5.60	106.36 ± 5.60	53.58 ± 6.72	72.13 ± 3.40	40.29 ± 12.08	46.19 ± 2.67
IL-2	5.81 ± 0.47	5.81 ± 0.47	4.67 ± 0.67	5.63 ± 1.08	n.d.	0.49 ± 0.49
IL-3	2.98 ± 0.87	2.98 ± 0.87	7.53 ± 1.8	6.30 ± 1.38	0.61 ± 0.41	n.d.
IL-4	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
IL-5	34.72 ± 3.81	34.72 ± 3.81	24.31 ± 4.25	40.98 ± 9.67	5.37 ± 1.51	2.86 ± 1.14
IL-6	274.17 ± 18.68	274.17 ± 18.68	105.63 ± 29.03	203.93 ± 48.16	10.86 ± 3.28	5.91 ± 2.99
IL-9	n.d.	n.d.	6.35 ± 6.35	n.d.	n.d.	n.d.
IL-10	51.15 ± 2.25	51.15 ± 2.25	64.37 ± 13.41	59.12 ± 13.67	14.99 ± 3.61	11.29 ± 1.57
IL-12(p40)	714.71 ± 29.22	714.71 ± 29.22	170.78 ± 13.38	141.42 ± 20.63	180.43 ± 37.65	102.54 ± 18.05
IL-12(p70)	36.02 ± 2.51	36.02 ± 2.51	28.23 ± 6.41	29.16 ± 4.27	4.79 ± 0.88	3.25 ± 1.10
IL-13	28.40 ± 5.32	28.40 ± 5.32	13.59 ± 6.04	8.54 ± 4.77	2.02 ± 2.02	n.d.
IL-17	13.61 ± 0.84	13.61 ± 0.84	1.53 ± 0.87	1.17 ± 0.60	n.d.	n.d.
Eotaxin	119.89 ± 36.63	119.89 ± 36.63	211.38 ± 25.67	175.84 ± 24.22	65.99 ± 23.61	62.22 ± 27.88
G-CSF	785.60 ± 68.66	785.60 ± 68.66	280.06 ± 47.31	250.44 ± 42.27	28.40 ± 11.88	12.14 ± 5.55
GM-CSF	62.60 ± 3.66	62.60 ± 3.66	20.20 ± 7.17	39.78 ± 5.85	17.02 ± 6.63	15.25 ± 9.70
IFN-γ	10.85 ± 0.69	10.85 ± 0.69	257.06 ± 74.49	159.67 ± 68.09	2.17 ± 0.61	0.60 ± 0.38
KC	469.09 ± 37.84	469.09 ± 37.84	53.26 ± 6.52	71.65 ± 10.87	35.37 ± 7.49	23.73 ± 8.48
MCP-1	1180.04 ± 208.09	1180.04 ± 208.09	535.98 ± 81.19	385.63 ± 72.87	71.95 ± 35.23	4.74 ± 4.74
MIP-1a	50.81 ± 4.05	50.81 ± 4.05	18.97 ± 3.55	19.03 ± 2.54	3.62 ± 1.14	0.50 ± 0.50
MIP-1b	120.52 ± 11.47	120.52 ± 11.47	48.35 ± 6.08	41.90 ± 6.10	9.27 ± 3.01	2.12 ± 1.12
RANTES	82.90 ± 8.65	82.90 ± 8.65	34.63 ± 13.28	20.68 ± 1.92	12.56 ± 2.18	6.53 ± 1.63
TNF-a	224.80 ± 32.70	224.80 ± 32.70	142.00 ± 18.26	118.60 ± 25.23	64.76 ± 15.98	53.51 ± 15.34