

Supplemental Table S5. Serum Protein Concentrations at 2 and 7 dpi.

Timepoint	Protein	Control	X31 _{mod}	X31 _{hi}	p-value	Test	Statistic
2 dpi	IL-1 α	14.6 $\pm$ 1.97	9.36 $\pm$ 1.19	10.6 $\pm$ 2.11	0.11	K-W	H(2) = 4.30
	IL-1 β	66.0 $\pm$ 16.5	27.9 $\pm$ 5.64	83.1 $\pm$ 24.4	0.03	K-W	H(2) = 6.76
	IL-6	6.81 $\pm$ 1.57	36.1 $\pm$ 10.5	46.5 $\pm$ 9.37	0.013	K-W	H(2) = 8.69
	IL-10	80.3 $\pm$ 22.3	15.8 $\pm$ 5.19	35.5 $\pm$ 10.4	0.03	B-F + W	F*(2, 14.16) = 5.16
	IL-12p70	3.75 $\pm$ 0.88	2.11 $\pm$ 0.53	3.93 $\pm$ 1.03	0.26	K-W	H(2) = 2.68
	IL-17A	7.04 $\pm$ 0.62	6.57 $\pm$ 0.96	6.31 $\pm$ 0.86	0.52	K-W	H(2) = 1.31
	IL-23	1679 $\pm$ 587	1385 $\pm$ 529	1273 $\pm$ 467	0.95	K-W	H(2) = 0.10
	IL-27	351 $\pm$ 82.5	247 $\pm$ 50.5	290 $\pm$ 58.4	0.66	K-W	H(2) = 0.85
	IFN- β	55.5 $\pm$ 7.38	62.9 $\pm$ 5.21	75.3 $\pm$ 8.07	0.10	K-W	H(2) = 4.68
	IFN- γ	23.6 $\pm$ 3.76	18.3 $\pm$ 3.48	24.6 $\pm$ 4.34	0.41	K-W	H(2) = 1.77
	TNF- α	56.3 $\pm$ 10.4	66.7 $\pm$ 13.3	86.4 $\pm$ 20.8	0.67	K-W	H(2) = 0.81
	CCL2	22.7 $\pm$ 2.81	22.1 $\pm$ 1.85	21.8 $\pm$ 2.29	0.91	K-W	H(2) = 0.19
	GM-CSF	4.46 $\pm$ 0.86	4.02 $\pm$ 0.58	5.68 $\pm$ 0.88	0.36	K-W	H(2) = 2.04
7 dpi	IL-1 α	6.71 $\pm$ 1.88	10.4 $\pm$ 3.83	5.20 $\pm$ 1.10	0.89	K-W	H(2) = 0.23
	IL-1 β	80.1 $\pm$ 24.9	46.0 $\pm$ 12.1	43.5 $\pm$ 8.41	0.72	K-W	H(2) = 0.67
	IL-6	27.8 $\pm$ 7.31	72.3 $\pm$ 18.8	146 $\pm$ 26.3	0.0006	One-way	F(2, 26) = 9.96
	IL-10	225 $\pm$ 37.5	342 $\pm$ 109	577 $\pm$ 128	0.06	B-F+W	F*(2, 18.39) = 3.39
	IL-12p70	4.33 $\pm$ 1.91	25.2 $\pm$ 8.43	13.0 $\pm$ 4.45	0.11	K-W	H(2) = 4.32
	IL-17A	13.3 $\pm$ 2.66	15.9 $\pm$ 2.50	22.1 $\pm$ 9.21	0.72	K-W	H(2) = 0.68
	IL-23	203 $\pm$ 62.1	496 $\pm$ 122	711 $\pm$ 201	0.04	K-W	H(2) = 6.31
	IL-27	2323 $\pm$ 460	2203 $\pm$ 420	1384 $\pm$ 330	0.13	K-W	H(2) = 4.07
	IFN- β	240 $\pm$ 71.4	256 $\pm$ 86.2	356 $\pm$ 99.0	0.82	K-W	H(2) = 0.39
	IFN- γ	51.1 $\pm$ 12.1	226 $\pm$ 39.2	788 $\pm$ 180	0.0002	K-W	H(2) = 17.60
	TNF- α	102 $\pm$ 13.5	136 $\pm$ 21.5	140 $\pm$ 14.5	0.23	One-way	F(2, 25) = 1.57
	CCL2	35.8 $\pm$ 8.25	32.4 $\pm$ 8.37	43.9 $\pm$ 6.43	0.52	K-W	H(2) = 1.31
	GM-CSF	29.2 $\pm$ 8.28	29.6 $\pm$ 6.37	31.7 $\pm$ 8.38	0.87	K-W	H(2) = 0.28

Inflammatory protein concentrations (pg/mL) in dam serum at 2 and 7 dpi. *IAV* = influenza A virus, *dpi* = days post-inoculation, $X31_{mod}$ = IAV-X31 10^3 TCID₅₀, $X31_{hi}$ = IAV-X31 10^4 TCID₅₀. One-way ANOVA is the default statistical test unless residuals fail to meet normality (use K-W = Kruskal-Wallis) or homogeneity of variance (use B-F + W = Brown-Forsythe + Welch). Data are means $\pm$ SEM; bold font = $p < 0.05$, 2 dpi $n = 12-14$, 7 dpi $n = 9-10$ per treatment group.