

Appendix A. Table 1. Analysis of variance of cumulative feed and water intake data of Leghorn cockerels which received ICV injections of histamine (0, 25, 50, or 100µg/10µl) (Chapter 1).

	df	Sum of squares	Mean Square	F Value	Pr > F
FCON 0- 15					
TRT	3	6.961	2.320	2.62	0.1453
DAY	3	1.861	0.620	0.70	0.5848
BIRD	3	7.596	2.532	2.86	0.1264
WCON 0- 15					
TRT	3	4.687	1.562	0.11	0.9504
DAY	3	54.687	18.229	1.30	0.3587
BIRD	3	229.687	76.562	5.44	0.0379
FCON 0- 30					
TRT	3	10.491	3.497	3.82	0.0764
DAY	3	1.651	0.550	0.60	0.6375
BIRD	3	6.406	2.135	2.33	0.1736
WCON 0- 30					
TRT	3	4.687	1.562	0.16	0.9208
DAY	3	29.687	9.895	1.00	0.4547
BIRD	3	279.687	93.229	9.42	0.0109
FCON 0- 45					
TRT	3	27.685	9.228	6.24	0.0283
DAY	3	1.625	0.541	0.37	0.7804
BIRD	3	13.715	4.571	3.09	0.1112
WCON 0- 45					
TRT	3	29.687	9.895	0.44	0.7316
DAY	3	29.687	9.895	0.44	0.7316
BIRD	3	292.187	97.395	4.35	0.0597
FCON 0- 60					
TRT	3	24.431	8.143	3.70	0.0811
DAY	3	5.031	1.677	0.76	0.5553
BIRD	3	25.776	8.592	3.90	0.0734
WCON 0- 60					
TRT	3	37.500	12.500	0.32	0.8140
DAY	3	37.500	12.500	0.32	0.8140
BIRD	3	387.500	129.166	3.26	0.1014
FCON 0- 75					
TRT	3	37.152	12.384	4.40	0.0584
DAY	3	3.437	1.142	0.41	0.7546
BIRD	3	21.662	7.220	2.56	0.1505
WCON 0- 75					
TRT	3	106.250	35.416	0.94	0.4761
DAY	3	6.250	2.083	0.06	0.9812
BIRD	3	306.250	102.083	2.72	0.1370
FCON 0- 90					
TRT	3	64.036	21.345	5.43	0.0382
DAY	3	3.056	1.018	0.25	0.8526
BIRD	3	32.736	10.912	2.77	0.1330

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WCON 0- 90					
TRT	3	87.500	29.1666	0.61	0.6335
DAY	3	37.500	12.500	0.26	0.8513
BIRD	3	462.500	154.166	3.22	0.1039
FCON 0-105					
TRT	3	111.890	37.296	7.37	0.0195
DAY	3	6.515	2.171	0.43	0.7395
BIRD	3	48.755	16.251	3.21	0.1041
WCON 0-105					
TRT	3	192.187	64.062	1.84	0.2412
DAY	3	54.687	18.229	0.52	0.6826
BIRD	3	767.187	255.729	7.33	0.0197
FCON 0-120					
TRT	3	147.871	49.290	6.40	0.0267
DAY	3	7.446	2.482	0.32	0.8095
BIRD	3	58.606	19.535	2.54	0.1530
WCON 0-120					
TRT	3	306.250	102.083	1.75	0.2561
DAY	3	156.250	52.083	0.89	0.4970
BIRD	3	1281.250	427.083	7.32	0.0198
FCON 0-135					
TRT	3	155.855	51.951	5.91	0.0318
DAY	3	11.465	3.821	0.43	0.7360
BIRD	3	59.700	19.900	2.26	0.1812
WCON 0-135					
TRT	3	379.687	126.562	2.19	0.1902
DAY	3	254.687	84.895	1.47	0.3145
BIRD	3	1454.687	484.895	8.39	0.0144
FCON 0-150					
TRT	3	161.106	53.702	6.04	0.0304
DAY	3	11.256	3.752	0.42	0.7443
BIRD	3	58.996	19.665	2.21	0.1876
WCON 0-150					
TRT	3	379.687	126.562	2.19	0.1902
DAY	3	254.687	84.895	1.47	0.3145
BIRD	3	1454.687	484.895	8.39	0.0144
FCON 0-165					
TRT	3	186.702	62.234	7.61	0.0181
DAY	3	14.982	4.994	0.61	0.6322
BIRD	3	62.392	20.797	2.54	0.1523
WCON 0-165					
TRT	3	450.000	150.000	2.57	0.1499
DAY	3	312.500	104.166	1.79	0.2498
BIRD	3	1362.500	454.166	7.79	0.0172
FCON 0-180					
TRT	3	185.827	61.942	6.41	0.0267
DAY	3	28.662	9.554	0.99	0.4589
BIRD	3	76.512	25.504	2.64	0.1439

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WCON 0-180					
TRT	3	404.687	134.895	2.25	0.1827
DAY	3	317.187	105.729	1.77	0.2534
BIRD	3	1279.687	426.562	7.12	0.0211
FCON 0- 15					
LINEAR	1	5.945	5.945	6.72	0.0411
QUADRATIC	1	0.942	0.942	1.07	0.3418
WCON 0- 15					
LINEAR	1	2.187	2.187	0.16	0.7069
QUADRATIC	1	1.988	1.988	0.14	0.7198
FCON 0- 30					
LINEAR	1	8.675	8.675	9.47	0.0217
QUADRATIC	1	1.799	1.799	1.97	0.2105
WCON 0- 30					
LINEAR	1	0.046	0.046	0.00	0.9486
QUADRATIC	1	2.597	2.597	0.26	0.6267
FCON 0- 45					
LINEAR	1	17.714	17.714	11.98	0.0135
QUADRATIC	1	9.672	9.672	6.54	0.0431
WCON 0- 45					
LINEAR	1	23.616	23.616	1.05	0.3441
QUADRATIC	1	3.285	3.285	0.15	0.7149
FCON 0- 60					
LINEAR	1	16.975	16.975	7.71	0.0321
QUADRATIC	1	7.372	7.372	3.35	0.1170
WCON 0- 60					
LINEAR	1	25.714	25.714	0.65	0.4510
QUADRATIC	1	11.725	11.725	0.30	0.6059
FCON 0- 75					
LINEAR	1	26.144	26.144	9.28	0.0226
QUADRATIC	1	10.859	10.859	3.86	0.0972
WCON 0- 75					
LINEAR	1	64.464	64.464	1.72	0.2378
QUADRATIC	1	38.991	38.991	1.04	0.3472
FCON 0- 90					
LINEAR	1	44.635	44.635	11.35	0.0151
QUADRATIC	1	19.317	19.317	4.91	0.0686
WCON 0- 90					
LINEAR	1	17.857	17.857	0.37	0.5639
QUADRATIC	1	68.215	68.215	1.42	0.2778
FCON 0-105					
LINEAR	1	78.750	78.750	15.57	0.0076
QUADRATIC	1	33.093	33.093	6.54	0.0430
WCON 0-105					
LINEAR	1	82.544	82.544	2.37	0.1750
QUADRATIC	1	101.442	101.442	2.91	0.1391

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FCON 0-120					
LINEAR	1	107.100	107.100	13.91	0.0097
QUADRATIC	1	40.205	40.205	5.22	0.0624
WCON 0-120					
LINEAR	1	40.178	40.178	0.69	0.4383
QUADRATIC	1	253.265	253.265	4.34	0.0823
FCON 0-135					
LINEAR	1	114.844	114.844	13.07	0.0112
QUADRATIC	1	39.290	39.290	4.47	0.0789
WCON 0-135					
LINEAR	1	3.616	3.616	0.06	0.8109
QUADRATIC	1	351.002	351.002	6.07	0.0489
FCON 0-150					
LINEAR	1	117.486	117.486	13.21	0.0109
QUADRATIC	1	41.492	41.492	4.66	0.0741
WCON 0-150					
LINEAR	1	3.616	3.616	0.06	0.8109
QUADRATIC	1	351.002	351.002	6.07	0.0489
FCON 0-165					
LINEAR	1	133.868	133.868	16.38	0.0067
QUADRATIC	1	49.756	49.756	6.09	0.0486
WCON 0-165					
LINEAR	1	11.428	11.428	0.20	0.6735
QUADRATIC	1	405.824	405.824	6.96	0.0387
FCON 0-180					
LINEAR	1	129.600	129.600	13.41	0.0105
QUADRATIC	1	52.464	52.464	5.43	0.0586
WCON 0-180					
LINEAR	1	10.044	10.044	0.17	0.6964
QUADRATIC	1	343.488	343.488	5.73	0.0537