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Brain

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	317					
Ventricular dilation	1	0.32	0.41	2.60	0.00	16.67
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	276					
Ventricular dilation	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	1	0.36	0.50	3.16	0.00	20.00
Mononuclear cell foci	1	0.36	0.42	2.64	0.00	16.67

Telencephalon

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	50					
Ventricular dilation	1	0.32	2.50	7.07	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	50					
Ventricular dilation	0	0.00	0.00	0.00	0.00	0.00

Spinal Cord

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	247					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	206					

Lumbar Spinal Cord

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	5					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	5					

Sciatic Nerve

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	307					
Single fiber degeneration	11	3.58	3.50	8.64	0.00	40.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	266					
Single fiber degeneration	9	3.38	2.92	6.41	0.00	20.00

Optic Nerves

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	282					
Degenerative neuropathy	1	0.35	0.53	3.24	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	240					
Degenerative neuropathy	0	0.00	0.00	0.00	0.00	0.00

Eyes

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	298					
Retinal degeneration	3	1.01	1.05	5.49	0.00	33.33
Lense degeneration	1	0.34	0.26	1.62	0.00	10.00
Hemorrhage	60	20.13	23.16	32.47	0.00	100.00
Hemosiderin macro.	6	2.01	2.28	10.96	0.00	66.67
Inflammation	32	10.74	12.37	21.84	0.00	80.00
Inflammatory cells	3	1.01	1.58	7.18	0.00	40.00
Panophtalmitis	0	0.00	0.00	0.00	0.00	0.00
Retinal rosettes	1	0.34	0.26	1.62	0.00	10.00
Fibrosis	4	1.34	1.58	6.79	0.00	40.00
Phthisis bulbi	1	0.34	0.53	3.24	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	257					
Retinal degeneration	5	1.95	2.07	6.82	0.00	33.33
Lense degeneration	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	58	22.57	24.41	36.98	0.00	100.00
Hemosiderin macro.	5	1.95	2.25	13.70	0.00	83.33
Inflammation	34	13.23	14.59	23.52	0.00	80.00
Inflammatory cells	2	0.78	1.08	6.58	0.00	40.00
Panophtalmitis	1	0.39	0.54	3.29	0.00	20.00
Retinal rosettes	1	0.39	0.18	1.10	0.00	6.67
Fibrosis	6	2.33	1.62	6.88	0.00	30.00
Phthisis bulbi	0	0.00	0.00	0.00	0.00	0.00

Harderian Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	231					
Porphyrin deposition	94	40.69	45.71	44.84	0.00	100.00
Glandular dilation	4	1.73	2.62	7.98	0.00	33.33
Hemorrhage	24	10.39	12.14	19.12	0.00	60.00
Hemosiderin macro.s	1	0.43	0.60	3.15	0.00	16.67
Mononuclear cell foci	11	4.76	5.95	14.21	0.00	66.67
Inflammatory cell foci	2	0.87	1.43	5.25	0.00	20.00
Inflammation	21	9.09	9.40	17.57	0.00	60.00
Necrosis	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	2	0.87	1.19	6.30	0.00	33.33
Regeneration	2	0.87	1.19	6.30	0.00	33.33
Atrophy	2	0.87	1.43	5.25	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	190					
Porphyrin deposition	85	44.74	42.05	41.70	0.00	100.00
Glandular dilation	2	1.05	1.28	6.54	0.00	33.33
Hemorrhage	28	14.74	17.31	26.92	0.00	80.00
Hemosiderin macro.s	4	2.11	2.56	13.07	0.00	66.67
Mononuclear cell foci	7	3.68	4.23	11.02	0.00	50.00
Inflammatory cell foci	4	2.11	3.08	9.28	0.00	40.00
Inflammation	29	15.26	13.97	19.32	0.00	80.00
Necrosis	1	0.53	0.77	3.92	0.00	20.00
Fibrosis	3	1.58	1.92	9.81	0.00	50.00
Regeneration	4	2.11	1.54	5.43	0.00	20.00
Atrophy	0	0.00	0.00	0.00	0.00	0.00

Exorbital Lacrimal Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	154					
Harderian alteration	18	11.69	16.27	26.90	0.00	100.00
Mononuclear cell foci	4	2.60	3.33	6.56	0.00	20.00
Inflammation	3	1.95	1.76	7.28	0.00	30.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	113					
Harderian alteration	1	0.88	0.67	2.58	0.00	10.00
Mononuclear cell foci	1	0.88	0.67	2.58	0.00	10.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00

Aorta

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	302					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	261					

Heart

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	322					
Myofibrosis/necrosis	10	3.11	3.10	9.18	0.00	40.00
Myofiber degeneration	0	0.00	0.00	0.00	0.00	0.00
Pigment	1	0.31	0.40	2.57	0.00	16.67
Mononuclear cell foci	28	8.70	8.57	14.60	0.00	66.67
Myocardial necrosis	12	3.73	3.41	8.82	0.00	40.00
Fibrosis	1	0.31	0.24	1.54	0.00	10.00
Cardiomyopathy	10	3.11	2.86	9.70	0.00	40.00
Myocarditis	7	2.17	2.38	6.17	0.00	20.00
Endocardial hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Myocardial Vacuolation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	281					
Myofibrosis/necrosis	1	0.36	0.41	2.60	0.00	16.67
Myofiber degeneration	1	0.36	0.49	3.12	0.00	20.00
Pigment	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	24	8.54	7.97	15.36	0.00	66.67
Myocardial necrosis	6	2.14	1.63	4.84	0.00	20.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Cardiomyopathy	1	0.36	0.24	1.56	0.00	10.00
Myocarditis	5	1.78	1.95	7.15	0.00	40.00
Endocardial hyperplasia	1	0.36	0.49	3.12	0.00	20.00
Myocardial Vacuolation	0	0.00	0.00	0.00	0.00	0.00

Nasopharyngeal Duct

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Nasal Cavity

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	128					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	108					

Nasal Cavity, Level 1

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	30					
Goblet cell proliferation	5	16.67	16.67	5.77	10.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	30					
Goblet cell proliferation	2	6.67	6.67	5.77	0.00	10.00

Nasal Cavity, Level 2

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	30					
Goblet cell prolifer.	2	6.67	6.67	5.77	0.00	10.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	30					
Goblet cell prolifer.	2	6.67	6.67	5.77	0.00	10.00

Nasal Cavity, Level 4

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	5					
Axonal deg. In facial nerve	1	20.00	20.00	0.00	20.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	5					
Axonal deg. In facial nerve	1	20.00	20.00	0.00	20.00	20.00

Pharynx

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Larynx

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	110					
Glandular dilation	2	1.82	4.00	12.65	0.00	40.00
Mononuclear cell foci	2	1.82	2.00	6.32	0.00	20.00
Inflammation	2	1.82	2.00	4.22	0.00	10.00
Foreign body granuloma	2	1.82	2.00	4.22	0.00	10.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	70					
Glandular dilation	2	2.86	4.44	13.33	0.00	40.00
Mononuclear cell foci	5	7.14	5.56	13.33	0.00	40.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Foreign body granuloma	0	0.00	0.00	0.00	0.00	0.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00

Larynx, Level 3

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	49					
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Inflammation	1	2.04	1.25	1.77	0.00	2.50

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	10					
Mononuclear cell foci	1	10.00	10.00	0.00	10.00	10.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00

Larynx, Level 5

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	40					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	0					

Larynx, Level 6

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	49					
Mononuclear cell foci	1	2.04	5.56	7.86	0.00	11.11

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	10					
Mononuclear cell foci	1	10.00	10.00	0.00	10.00	10.00

Trachea

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	307					
Distended glands	41	13.36	15.42	23.97	0.00	80.00
Mononuclear cell foci	42	13.68	14.00	24.05	0.00	80.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	266					
Distended glands	46	17.29	17.35	24.99	0.00	90.00
Mononuclear cell foci	41	15.41	14.27	25.81	0.00	90.00
Inflammation	1	0.38	0.51	3.20	0.00	20.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00

Lungs

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	322					
Inflammation	7	2.17	2.38	7.90	0.00	40.00
Granuloma	5	1.55	1.25	5.50	0.00	30.00
Hyperplasia of BALT	4	1.24	1.90	12.34	0.00	80.00
Bronchio-alv. hyperplasia	1	0.31	0.48	3.09	0.00	20.00
Osseous metaplasia	14	4.35	5.18	8.84	0.00	25.00
Vascular mineralization	79	24.53	28.61	34.70	0.00	100.00
Emphysema	2	0.62	0.95	6.17	0.00	40.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	4	1.24	1.35	4.60	0.00	20.00
Perivascular edema	1	0.31	0.40	2.57	0.00	16.67
Pigment deposition	0	0.00	0.00	0.00	0.00	0.00
Alveolar histiocytosis	95	29.50	28.75	30.58	0.00	100.00
Mononuclear cell foci	16	4.97	5.08	9.23	0.00	40.00
Perivascular cuffing	17	5.28	2.02	7.72	0.00	35.00
Inflammatory cell foci	3	0.93	1.11	6.23	0.00	40.00
Alveolitis	11	3.42	2.92	8.11	0.00	40.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Perivasc. lymph. c. infiltr.	0	0.00	0.00	0.00	0.00	0.00
Perivascular inflammation	8	2.48	3.17	15.74	0.00	100.00

Lungs

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	281					
Inflammation	2	0.71	0.98	6.25	0.00	40.00
Granuloma	4	1.42	0.98	6.25	0.00	40.00
Hyperplasia of BALT	5	1.78	2.44	12.80	0.00	80.00
Bronchio-alv. hyperplasia	3	1.07	1.46	9.37	0.00	60.00
Osseous metaplasia	7	2.49	2.76	7.92	0.00	40.00
Vascular mineralization	62	22.06	23.78	26.52	0.00	80.00
Emphysema	5	1.78	1.63	6.59	0.00	40.00
Congestion	1	0.36	0.49	3.12	0.00	20.00
Hemorrhage	2	0.71	0.49	2.18	0.00	10.00
Perivascular edema	0	0.00	0.00	0.00	0.00	0.00
Pigment deposition	1	0.36	0.41	2.60	0.00	16.67
Alveolar histiocytosis	63	22.42	22.52	29.29	0.00	100.00
Mononuclear cell foci	5	1.78	1.38	4.65	0.00	20.00
Perivascular cuffing	3	1.07	1.22	7.81	0.00	50.00
Inflammatory cell foci	6	2.14	2.44	12.61	0.00	80.00
Alveolitis	4	1.42	1.71	7.04	0.00	40.00
Fibrosis	1	0.36	0.49	3.12	0.00	20.00
Perivasc. lymph. c. infiltr.	1	0.36	0.24	1.56	0.00	10.00
Perivascular inflammation	2	0.71	0.73	3.46	0.00	20.00

Tracheal bifurction, carina & mainstem bronchi

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Pituitary Gland

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	278					
Cyst(s)	33	11.87	12.11	14.02	0.00	50.00
Cholesterol clefts	3	1.08	1.22	7.81	0.00	50.00
Hypertrophy	2	0.72	0.49	3.12	0.00	20.00
Focal hyperplasia	2	0.72	0.49	2.18	0.00	10.00
Adenoma of pars distalis	1	0.36	2.44	15.62	0.00	100.00
Cystic Rathke's cleft	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	276					
Cyst(s)	16	5.80	5.00	12.63	0.00	66.67
Cholesterol clefts	0	0.00	0.00	0.00	0.00	0.00
Hypertrophy	1	0.36	0.25	1.58	0.00	10.00
Focal hyperplasia	1	0.36	0.25	1.58	0.00	10.00
Adenoma of pars distalis	0	0.00	0.00	0.00	0.00	0.00
Cystic Rathke's cleft	14	5.07	5.00	12.81	0.00	50.00

Adrenals

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	322					
Accessory cortical tissue	3	0.93	0.79	3.67	0.00	20.00
Vacuolation	14	4.35	3.97	11.78	0.00	53.33
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	281					
Accessory cortical tissue	1	0.36	0.16	1.04	0.00	6.67
Vacuolation	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	4	1.42	0.65	4.16	0.00	26.67

Adrenal Cortex

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	297					
Accessory cortical tissue	7	2.36	2.05	7.32	0.00	40.00
Simusectasia	3	1.01	1.54	9.61	0.00	60.00
Mineralization	0	0.00	0.00	0.00	0.00	0.00
Extra-adrenal tissue	1	0.34	0.51	3.20	0.00	20.00
Vacuolation	86	28.96	30.77	37.05	0.00	100.00
Inflammatory foci	1	0.34	0.51	3.20	0.00	20.00
Focal hypertrophy	1	0.34	0.51	3.20	0.00	20.00
Mononuclear cell foci	1	0.34	0.51	3.20	0.00	20.00
Capsular fibrosis	1	0.34	0.51	3.20	0.00	20.00
Pigment deposition	1	0.34	0.51	3.20	0.00	20.00
Apoptosis	1	0.34	0.51	3.20	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	256					
Accessory cortical tissue	3	1.17	1.14	5.60	0.00	33.33
Simusectasia	3	1.17	1.58	9.73	0.00	60.00
Mineralization	1	0.39	0.26	1.62	0.00	10.00
Extra-adrenal tissue	1	0.39	0.26	1.62	0.00	10.00
Vacuolation	20	7.81	6.58	14.19	0.00	60.00
Inflammatory foci	0	0.00	0.00	0.00	0.00	0.00
Focal hypertrophy	1	0.39	0.26	1.62	0.00	10.00
Mononuclear cell foci	4	1.56	1.32	4.14	0.00	20.00
Capsular fibrosis	0	0.00	0.00	0.00	0.00	0.00
Pigment deposition	5	1.95	2.63	16.22	0.00	100.00
Apoptosis	0	0.00	0.00	0.00	0.00	0.00

Adrenal Medulla

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	349					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal Medulla						
Number of rats examined	269					

Thyroid Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	283					
Thyroid dysplasia	7	2.47	2.52	7.25	0.00	30.00
Ductal remnant	10	3.53	3.29	7.62	0.00	25.00
Thymic remnant	1	0.35	0.58	3.81	0.00	25.00
Follicular cyst	1	0.35	0.47	3.05	0.00	20.00
Mononuclear cell foci	1	0.35	0.39	2.54	0.00	16.67
Follicular hypertrophy	5	1.77	3.68	15.88	0.00	100.00
C-cell hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Follicular hyperplasia	5	1.77	1.16	7.62	0.00	50.00
Ectopic lymphoid tissue	1	0.35	0.23	1.52	0.00	10.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	281					
Thyroid dysplasia	1	0.36	0.40	2.57	0.00	16.67
Ductal remnant	8	2.85	3.29	8.09	0.00	33.33
Thymic remnant	5	1.78	1.19	3.28	0.00	10.00
Follicular cyst	1	0.36	0.48	3.09	0.00	20.00
Mononuclear cell foci	1	0.36	0.40	2.57	0.00	16.67
Follicular hypertrophy	1	0.36	0.40	2.57	0.00	16.67
C-cell hyperplasia	1	0.36	0.24	1.54	0.00	10.00
Follicular hyperplasia	5	1.78	1.11	6.23	0.00	40.00
Ectopic lymphoid tissue	1	0.36	0.24	1.54	0.00	10.00

Parathyroid Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	288					
Fibrosis	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	240					
Fibrosis	2	0.83	0.51	2.23	0.00	10.00

Pancreas

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	317					
Peripancreatitis	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	3	0.95	1.38	5.00	0.00	20.00
Exocrine hyperplasia	1	0.32	0.49	3.12	0.00	20.00
Islet hyperplasia	2	0.63	0.73	3.46	0.00	20.00
Pigment deposition	3	0.95	1.38	5.00	0.00	20.00
Inflammatory cell foci	1	0.32	0.49	3.12	0.00	20.00
Exocrine atrophy	26	8.20	8.46	16.01	0.00	60.00
Congestion	1	0.32	0.24	1.56	0.00	10.00
Inflammation	2	0.63	0.98	4.36	0.00	20.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	276					
Peripancreatitis	1	0.36	0.25	1.58	0.00	10.00
Mononuclear cell foci	6	2.17	2.33	6.97	0.00	33.33
Exocrine hyperplasia	1	0.36	0.25	1.58	0.00	10.00
Islet hyperplasia	1	0.36	0.25	1.58	0.00	10.00
Pigment deposition	1	0.36	0.42	2.64	0.00	16.67
Inflammatory cell foci	1	0.36	0.50	3.16	0.00	20.00
Exocrine atrophy	15	5.43	5.50	10.61	0.00	40.00
Congestion	1	0.36	0.50	3.16	0.00	20.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00

Liver

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	283					
Hepatodiaphragmatic nodule	1	0.35	0.48	3.09	0.00	20.00
Congestion	1	0.35	0.40	2.57	0.00	16.67
Increased glycogen deposits	19	6.71	8.10	25.27	0.00	100.00
Vacuolization	6	2.12	1.90	8.62	0.00	40.00
Fatty change	61	21.55	23.10	33.68	0.00	100.00
Pigment deposits	0	0.00	0.00	0.00	0.00	0.00
Erythropoiesis	14	4.95	5.32	12.62	0.00	60.00
Inflammatory cell foci	161	56.89	57.62	45.36	0.00	200.00
Giant cell	0	0.00	0.00	0.00	0.00	0.00
Increased mitosis	0	0.00	0.00	0.00	0.00	0.00
Single cell necrosis	2	0.71	0.95	6.17	0.00	40.00
Necrosis	4	1.41	1.90	12.34	0.00	80.00
Cytoplasmic vacuolation	0	0.00	0.00	0.00	0.00	0.00
Bile duct hyperplasia	5	1.77	1.67	5.37	0.00	20.00
Microfoci of inflammation	10	3.53	3.81	14.81	0.00	80.00
Hepatocytic hypertrophy	4	1.41	0.79	3.67	0.00	20.00
Basophilic focus	0	0.00	0.00	0.00	0.00	0.00
Hemosiderin deposits	0	0.00	0.00	0.00	0.00	0.00
Peribiliary fibrosis	2	0.71	0.63	2.97	0.00	16.67
Karyomegaly, hepatocellular	0	0.00	0.00	0.00	0.00	0.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00
Lipid Deposits	0	0.00	0.00	0.00	0.00	0.00
Lipofuscin pigment	0	0.00	0.00	0.00	0.00	0.00

Liver

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	281					
Hepatodiaphragmatic nodule	0	0.00	0.00	0.00	0.00	0.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Increased glycogen deposits	19	6.76	6.91	20.53	0.00	100.00
Vacuolization	3	1.07	1.46	6.91	0.00	40.00
Fatty change	65	23.13	25.12	33.25	0.00	100.00
Pigment deposits	2	0.71	0.85	4.17	0.00	25.00
Erythropoiesis	20	7.12	7.56	18.01	0.00	83.33
Inflammatory cell foci	145	51.60	54.19	45.63	0.00	200.00
Giant cell	1	0.36	0.41	2.60	0.00	16.67
Increased mitosis	1	0.36	0.49	3.12	0.00	20.00
Single cell necrosis	0	0.00	0.00	0.00	0.00	0.00
Necrosis	5	1.78	2.32	6.53	0.00	25.00
Cytoplasmic vacuolation	1	0.36	0.24	1.56	0.00	10.00
Bile duct hyperplasia	2	0.71	0.73	3.46	0.00	20.00
Microfoci of inflammation	1	0.36	0.49	3.12	0.00	20.00
Hepatocytic hypertrophy	2	0.71	0.41	1.86	0.00	10.00
Basophilic focus	2	0.71	0.73	3.46	0.00	20.00
Hemosiderin deposits	5	1.78	2.44	15.62	0.00	100.00
Peribiliary fibrosis	0	0.00	0.00	0.00	0.00	0.00
Karyomegaly, hepatocellular	1	0.36	0.61	3.90	0.00	25.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00
Lipid Deposits	0	0.00	0.00	0.00	0.00	0.00
Lipofuscin pigment	0	0.00	0.00	0.00	0.00	0.00

Oral Cavity

*gross lesions only

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	5					
Parodontitis	5	100.00	100.00	0.00	100.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	8					
Parodontitis	8	100.00	100.00	0.00	100.00	100.00

Tongue

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	162					
Mononuclear infiltrate	2	1.23	1.93	5.81	0.00	20.00
Inflammation	2	1.23	1.75	7.65	0.00	33.33
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	1	0.62	1.05	4.59	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	122					
Mononuclear infiltrate	4	3.28	3.70	15.71	0.00	66.67
Inflammation	2	1.64	1.85	7.86	0.00	33.33
Hemorrhage	1	0.82	0.93	3.93	0.00	16.67
Fibrosis	0	0.00	0.00	0.00	0.00	0.00

Esophagus

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	292					
Dilated lumen	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	251					
Dilated lumen	1	0.40	0.26	1.60	0.00	10.00

Stomach

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	278					
Erosion/ulceration	0	0.00	0.00	0.00	0.00	0.00
Hyperkeratosis	4	1.44	1.22	4.58	0.00	20.00
Epithelial hyperplasia	2	0.72	0.73	3.46	0.00	20.00
Dilated glands	8	2.88	3.98	13.19	0.00	60.00
Cyst	1	0.36	0.41	2.60	0.00	16.67
Congestion	4	1.44	1.22	4.58	0.00	20.00
Mononuclear cell foci	3	1.08	1.46	6.91	0.00	40.00
Lymphoid follicle(s)	3	1.08	1.46	5.27	0.00	20.00
Inflammatory cell foci	12	4.32	4.39	14.33	0.00	60.00
Inflammation	4	1.44	2.32	12.05	0.00	75.00
Vacuolation	6	2.16	1.95	5.58	0.00	20.00
Hyaline droplets	14	5.04	4.63	13.80	0.00	60.00
Eosinophilic inflam. Infiltration	3	1.08	1.46	9.37	0.00	60.00
Incr. Inflammatory cells	9	3.24	2.44	7.99	0.00	40.00
Epithelial degeneration	1	0.36	0.24	1.56	0.00	10.00
Focal spongiosis	2	0.72	0.98	4.36	0.00	20.00
Hyaline inclusion	22	7.91	7.56	20.47	0.00	80.00
Basal cell hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Inclusion cyst	1	0.36	0.16	1.04	0.00	6.67
Erosion: glandular	0	0.00	0.00	0.00	0.00	0.00
Erosion: forestomach	2	0.72	0.49	3.12	0.00	20.00
Ulceration: forestomach	0	0.00	0.00	0.00	0.00	0.00
Squamous	1	0.36	0.00	0.00	0.00	0.00

Stomach

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	276					
Erosion/ulceration	1	0.36	0.25	1.58	0.00	10.00
Hyperkeratosis	6	2.17	2.42	7.70	0.00	40.00
Epithelial hyperplasia	5	1.81	1.67	4.89	0.00	20.00
Dilated glands	8	2.90	3.75	10.79	0.00	50.00
Cyst	1	0.36	0.50	3.16	0.00	20.00
Congestion	1	0.36	0.25	1.58	0.00	10.00
Mononuclear cell foci	2	0.72	1.00	6.32	0.00	40.00
Lymphoid follicle(s)	2	0.72	0.75	3.50	0.00	20.00
Inflammatory cell foci	0	0.00	0.00	0.00	0.00	0.00
Inflammation	5	1.81	2.88	12.50	0.00	75.00
Vacuolation	8	2.90	2.92	6.41	0.00	20.00
Hyaline droplets	11	3.99	3.67	12.17	0.00	60.00
Eosinophilic inflam. Infiltration	4	1.45	2.00	12.65	0.00	80.00
Incr. Inflammatory cells	5	1.81	1.17	5.21	0.00	26.67
Epithelial degeneration	0	0.00	0.00	0.00	0.00	0.00
Focal spongiosis	0	0.00	0.00	0.00	0.00	0.00
Hyaline inclusion	20	7.25	6.75	17.30	0.00	70.00
Basal cell hyperplasia	2	0.72	0.50	2.21	0.00	10.00
Inclusion cyst	0	0.00	0.00	0.00	0.00	0.00
Erosion: glandular	2	0.72	0.50	2.21	0.00	10.00
Erosion: forestomach	0	0.00	0.00	0.00	0.00	0.00
Ulceration: forestomach	1	0.36	0.50	3.16	0.00	20.00
Squamous	0	0.00	0.00	0.00	0.00	0.00

Duodenum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	307					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	266					

Jejunum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	292					
Lymphoid hyperplasia	5	1.71	2.56	16.01	0.00	100.00
Dilation	4	1.37	2.05	12.81	0.00	80.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	251					
Lymphoid hyperplasia	1	0.40	0.53	3.24	0.00	20.00
Dilation	3	1.20	1.58	9.73	0.00	60.00

Peyer's Patches – Jejunum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	102					
Lymphoid hyperplasia	34	33.33	28.13	40.20	0.00	100.00
Anomaly	0	0.00	0.00	0.00	0.00	0.00
Mineralization	6	5.88	5.63	10.14	0.00	25.00
Granuloma	1	0.98	1.56	6.25	0.00	25.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	103					
Lymphoid hyperplasia	24	23.30	23.96	36.54	0.00	100.00
Anomaly	1	0.97	0.63	2.50	0.00	10.00
Mineralization	4	3.88	4.30	12.61	0.00	50.00
Granuloma	0	0.00	0.00	0.00	0.00	0.00

Ileum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	302					
Lymphoid hyperplasia	3	0.99	1.54	9.61	0.00	60.00
Dilation	2	0.66	1.03	6.41	0.00	40.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	261					
Lymphoid hyperplasia	4	1.53	2.11	12.98	0.00	80.00
Dilation	2	0.77	1.05	6.49	0.00	40.00

Peyer's Patches – Ileum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	104					
Lymphoid hyperplasia	52	50.00	39.90	45.89	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	102					
Lymphoid hyperplasia	53	51.96	45.14	45.43	0.00	100.00

Cecum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	307					
Dilation	2	0.65	1.00	6.32	0.00	40.00
Increased chronic	3	0.98	1.50	9.49	0.00	60.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	266					
Dilation	1	0.38	0.51	3.20	0.00	20.00
Increased chronic	3	1.13	1.54	9.61	0.00	60.00

Colon

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	297					
Nematodes	4	1.35	1.79	5.56	0.00	20.00
Edema	3	1.01	1.54	9.61	0.00	60.00
Dilation	6	2.02	2.31	10.63	0.00	60.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	246					
Nematodes	2	0.81	0.99	4.22	0.00	20.00
Edema	0	0.00	0.00	0.00	0.00	0.00
Dilation	7	2.85	3.51	16.70	0.00	100.00

Rectum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	302					
Nematodes	8	2.65	3.00	8.23	0.00	40.00
Lymphoid cell infiltration	0	0.00	0.00	0.00	0.00	0.00
Dilation	10	3.31	3.83	11.06	0.00	60.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	251					
Nematodes	5	1.99	1.84	5.63	0.00	20.00
Lymphoid cell infiltration	2	0.80	1.05	6.49	0.00	40.00
Dilation	8	3.19	3.16	9.74	0.00	40.00

Salivary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	297					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	256					

Parotid Salivary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	67					
Necrosis	1	1.49	1.82	6.03	0.00	20.00
Focal basoph. hypertrophy	1	1.49	0.91	3.02	0.00	10.00
Acinar degranulation	2	2.99	1.82	6.03	0.00	20.00
Inflammation	1	1.49	0.91	3.02	0.00	10.00
Acinar atrophy	0	0.00	0.00	0.00	0.00	0.00
Lymphoid c. infiltration	2	2.99	3.03	10.05	0.00	33.33
Mucous remnants	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	67					
Necrosis	0	0.00	0.00	0.00	0.00	0.00
Focal basoph. hypertrophy	1	1.49	1.52	5.03	0.00	16.67
Acinar degranulation	1	1.49	0.91	3.02	0.00	10.00
Inflammation	1	1.49	0.91	3.02	0.00	10.00
Acinar atrophy	1	1.49	0.91	3.02	0.00	10.00
Lymphoid c. infiltration	0	0.00	0.00	0.00	0.00	0.00
Mucous remnants	2	2.99	3.64	12.06	0.00	40.00

Sublingual Salivary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	302					
Inflammation	2	0.66	0.68	3.08	0.00	16.67
Mononuclear infiltrate	1	0.33	0.43	2.67	0.00	16.67
Ectopic salivary gland	1	0.33	0.26	1.60	0.00	10.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	261					
Inflammation	1	0.38	0.44	2.70	0.00	16.67
Mononuclear infiltrate	1	0.38	0.44	2.70	0.00	16.67
Ectopic salivary gland	2	0.77	0.53	3.24	0.00	20.00

Submandibular Salivary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	302					
Inflammation	1	0.33	0.43	2.67	0.00	16.67
Fibrosis	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	261					
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	1	0.38	0.53	3.24	0.00	20.00

Urinary Bladder

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	262					
Inflammation	1	0.38	0.43	2.67	0.00	16.67
Ectasia	11	4.20	5.13	19.55	0.00	100.00
Mononuclear cell foci	1	0.38	0.51	3.20	0.00	20.00
Colloid plug	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	261					
Inflammation	0	0.00	0.00	0.00	0.00	0.00
	0	0.00	0.06	0.37	0.00	3.00
Ectasia	5	1.92	2.22	9.98	0.00	60.00
Mononuclear cell foci	2	0.77	0.51	2.23	0.00	10.00
Colloid plug	0	0.00	0.00	0.00	0.00	0.00

Ureter

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Kidneys

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	281					
Tubular dilation	6	2.14	1.79	5.12	0.00	20.00
Tubular basophilia	45	16.01	14.72	18.56	0.00	70.00
Mononuclear cell foci	36	12.81	12.03	18.80	0.00	83.33
Cortical cyst	1	0.36	0.24	1.56	0.00	10.00
Cortical mineralization	35	12.46	10.16	19.31	0.00	66.67
Pelvic dilation	37	13.17	12.80	16.78	0.00	60.00
Tubular cell adenoma	1	0.36	0.24	1.56	0.00	10.00
Tubular cast	13	4.63	3.74	10.73	0.00	50.00
Basophilic tubules	19	6.76	7.40	17.72	0.00	80.00
Fibrosis	3	1.07	0.98	4.36	0.00	20.00
Pigment	1	0.36	0.41	2.60	0.00	16.67
Tubular pigmentation	2	0.71	0.98	6.25	0.00	40.00
Hyaline droplets	110	39.15	40.98	43.64	0.00	100.00
Atrophy	0	0.00	0.00	0.00	0.00	0.00
Urothelial hyperplasia	2	0.71	0.73	3.46	0.00	20.00
Pyelitis	2	0.71	0.65	3.27	0.00	20.00
Inflammation	3	1.07	0.98	3.74	0.00	20.00
Medullary mineralization	4	1.42	1.46	6.91	0.00	40.00
Pelvic mineralization	4	1.42	1.22	5.57	0.00	30.00
Debris in pelvis	0	0.00	0.00	0.00	0.00	0.00
Hydronephrosis	2	0.71	0.98	6.25	0.00	40.00
Hemosiderosis	8	2.85	1.95	12.49	0.00	80.00
Cortical fibrosis	0	0.00	0.00	0.00	0.00	0.00
Focal mineralization	0	0.00	0.00	0.00	0.00	0.00
Chronic progressive nephropathy	1	0.36	0.24	1.56	0.00	10.00
Pelvic calculi	1	0.36	0.41	2.60	0.00	16.67
Tubular vacuolation	0	0.00	0.00	0.00	0.00	0.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00

Kidneys

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	277					
Tubular dilation	4	1.44	1.46	4.78	0.00	20.00
Tubular basophilia	29	10.47	9.92	18.31	0.00	60.00
Mononuclear cell foci	32	11.55	13.90	22.43	0.00	100.00
Cortical cyst	3	1.08	3.41	16.67	0.00	100.00
Cortical mineralization	103	37.18	37.56	38.97	0.00	100.00
Pelvic dilation	20	7.22	6.59	16.94	0.00	100.00
Tubular cell adenoma	0	0.00	0.00	0.00	0.00	0.00
Tubular cast	8	2.89	1.95	6.01	0.00	20.00
Basophilic tubules	5	1.81	2.20	8.81	0.00	40.00
Fibrosis	7	2.53	2.11	8.65	0.00	50.00
Pigment	2	0.72	0.81	5.21	0.00	33.33
Tubular pigmentation	4	1.44	1.95	9.80	0.00	60.00
Hyaline droplets	0	0.00	0.00	0.00	0.00	0.00
Atrophy	1	0.36	0.49	3.12	0.00	20.00
Urothelial hyperplasia	5	1.81	1.63	4.84	0.00	20.00
Pyelitis	3	1.08	1.38	5.00	0.00	20.00
Inflammation	1	0.36	0.49	3.12	0.00	20.00
Medullary mineralization	25	9.03	8.29	23.97	0.00	100.00
Pelvic mineralization	12	4.33	3.98	11.86	0.00	60.00
Debris in pelvis	1	0.36	0.24	1.56	0.00	10.00
Hydronephrosis	5	1.81	2.20	7.59	0.00	40.00
Hemosiderosis	2	0.72	0.49	2.18	0.00	10.00
Cortical fibrosis	2	0.72	0.49	2.18	0.00	10.00
Focal mineralization	10	3.61	2.44	15.62	0.00	100.00
Chronic progressive nephropathy	1	0.36	0.24	1.56	0.00	10.00
Pelvic calculi	0	0.00	0.00	0.00	0.00	0.00
Tubular vacuolation	4	1.44	1.95	9.80	0.00	60.00
Mixed Cell Infiltration	0	0.00	0.00	0.00	0.00	0.00

Skin and Subcutis

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	253					
Inflammation	1	0.40	0.54	3.29	0.00	20.00
Alopecia	0	0.00	0.00	0.00	0.00	0.00
Acanthosis	11	4.35	2.97	18.08	0.00	110.00
Hyperkeratosis	20	7.91	7.84	34.89	0.00	190.00
Auricular chondropathy	0	0.00	0.00	0.00	0.00	0.00
Parakeratosis	1	0.40	0.27	1.64	0.00	10.00
Congestion	2	0.79	0.54	3.29	0.00	20.00
Adnexal atrophy	3	1.19	0.81	4.93	0.00	30.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	251					
Inflammation	2	0.80	0.93	5.56	0.00	33.33
Alopecia	1	0.40	0.46	2.78	0.00	16.67
Acanthosis	3	1.20	1.02	4.28	0.00	20.00
Hyperkeratosis	18	7.17	5.19	28.39	0.00	170.00
Auricular chondropathy	1	0.40	0.28	1.67	0.00	10.00
Parakeratosis	0	0.00	0.00	0.00	0.00	0.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Adnexal atrophy	0	0.00	0.00	0.00	0.00	0.00

Testes

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	268					
Tubular degeneration	14	5.22	7.83	19.12	0.00	100.00
Giant cells	0	0.00	0.00	0.00	0.00	0.00
Abscess	1	0.37	2.50	15.81	0.00	100.00
Sertoli cell vacuolation	1	0.37	0.50	3.16	0.00	20.00

Epididymides

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	248					
Perivascular inflammatory cell infiltration	2	0.81	1.05	6.49	0.00	40.00
Sperm granuloma	2	0.81	3.16	16.46	0.00	100.00
Atrophy	1	0.40	0.26	1.62	0.00	10.00
Epithelial degeneration	1	0.40	0.53	3.24	0.00	20.00
Mononuclear foci	1	0.40	0.53	3.24	0.00	20.00
Tubular vacuolation	2	0.81	1.05	6.49	0.00	40.00

Prostate

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	270					
Inflammation	95	35.19	17.33	89.34	0.00	566.67
Mononuclear cell foci	8	2.96	3.42	10.87	0.00	60.00
Concretions	4	1.48	1.67	10.54	0.00	66.67
Inflammatory cell foci	7	2.59	2.75	9.05	0.00	40.00

Coagulating gland

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	10					

Seminal Vesicles

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	250					
Mononuclear infiltrate	1	0.40	0.43	2.67	0.00	16.67
Hemorrhage	4	1.60	1.79	8.54	0.00	50.00
Congestion	15	6.00	8.46	18.96	0.00	100.00
Reduced secretion	1	0.40	0.51	3.20	0.00	20.00
Edema	1	0.40	0.64	4.00	0.00	25.00

Mammary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	281					
Pigment deposits	0	0.00	0.00	0.00	0.00	0.00
Adenocarcinoma	0	0.00	0.00	0.00	0.00	0.00
Glandular hyperplasia	2	0.71	1.05	4.53	0.00	20.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	241					
Pigment deposits	1	0.41	0.45	2.74	0.00	16.67
Adenocarcinoma	1	0.41	0.45	2.74	0.00	16.67
Glandular hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	1	0.41	0.27	1.64	0.00	10.00

Ovaries

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	272					
Congestion	9	3.31	3.11	9.24	0.00	50.00
Pigment deposition	6	2.21	2.56	16.01	0.00	100.00
Bursa dilation	4	1.47	1.20	3.94	0.00	20.00
Tubular hyperplasia	1	0.37	0.17	1.07	0.00	6.67
Cyst	3	1.10	1.20	4.36	0.00	20.00
Tubular structure(s)	12	4.41	4.36	19.30	0.00	100.00
Stromal C. Hyperplasia	5	1.84	1.54	7.09	0.00	40.00

Oviducts

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Uterus

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	281					
Dilated lumen	63	22.42	25.93	29.75	0.00	100.00
Prooestrous morphology	3	1.07	0.33	2.08	0.00	13.33
Pro-/Estrus epithelium	6	2.14	1.95	8.72	0.00	40.00
Oestrous morphology	1	0.36	0.00	0.00	0.00	0.00
Metoestrous morphology	7	2.49	1.30	6.54	0.00	40.00
Dioestrous morphology	5	1.78	0.65	3.27	0.00	20.00
Congestion	2	0.71	0.89	4.02	0.00	20.00
Pigment deposition	4	1.42	1.63	10.41	0.00	66.67
Endometrial hyperplasia	4	1.42	1.46	7.92	0.00	50.00
Mononuclear cell infiltrate	0	0.00	0.00	0.00	0.00	0.00
Cyst	0	0.00	0.00	0.00	0.00	0.00

Cervix

<u>Females</u>	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	24					

Vagina

<u>Females</u>	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	240					
Mononuclear infiltrate	2	0.83	0.93	5.56	0.00	33.33
Proestrus	26	10.83	9.44	14.72	0.00	40.00
Estrus	26	10.83	11.94	16.53	0.00	60.00
Diestrus	30	12.50	13.89	21.15	0.00	80.00
Metestrus	33	13.75	13.33	19.27	0.00	60.00

Bone Marrow

<u>Males</u>	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	233					

<u>Females</u>	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	232					

Bone Marrow – Sternal

<u>Males</u>	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	108					

<u>Females</u>	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	108					

Bone Marrow – Femur

<u>Males</u>	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	177					
Fatty replacement	10	5.65	7.69	24.71	0.00	100.00

<u>Females</u>	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	176					
Fatty replacement	5	2.84	3.85	16.02	0.00	80.00

Mesenteric Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	273					
Sinus dilation	15	5.49	5.04	13.91	0.00	80.00
Lymphoid hyperplasia	122	44.69	41.79	44.65	0.00	100.00
Histiocytosis	24	8.79	8.78	27.59	0.00	100.00
Pigment deposition	14	5.13	6.34	23.00	0.00	100.00
Erythrophagocytosis	4	1.47	1.63	10.41	0.00	66.67
Hemorrhage	1	0.37	0.49	3.12	0.00	20.00
Mast cell infiltration	7	2.56	3.41	16.67	0.00	100.00
Lympholysis	0	0.00	0.00	0.00	0.00	0.00
Mastocytosis	7	2.56	1.71	10.93	0.00	70.00
Phagocytosing hist.	6	2.20	1.46	6.54	0.00	30.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	265					
Sinus dilation	9	3.40	3.68	11.34	0.00	60.00
Lymphoid hyperplasia	100	37.74	37.67	42.39	0.00	100.00
Histiocytosis	24	9.06	9.23	28.23	0.00	100.00
Pigment deposition	19	7.17	7.69	24.54	0.00	100.00
Erythrophagocytosis	2	0.75	0.68	3.08	0.00	16.67
Hemorrhage	1	0.38	0.43	2.67	0.00	16.67
Mast cell infiltration	8	3.02	4.10	18.46	0.00	100.00
Lympholysis	1	0.38	0.51	3.20	0.00	20.00
Mastocytosis	17	6.42	4.36	16.67	0.00	90.00
Phagocytosing hist.	16	6.04	4.10	17.88	0.00	80.00

Mandibular Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	258					
Sinus dilation	2	0.78	0.70	3.12	0.00	16.67
Plasma hyperplasia	8	3.10	2.81	12.46	0.00	66.67
Lymphoid hyperplasia	106	41.09	37.02	39.78	0.00	100.00
Histiocytosis	19	7.36	7.11	24.92	0.00	100.00
Hemosiderin	4	1.55	1.67	5.24	0.00	20.00
Erythrophagocytosis	1	0.39	2.63	16.22	0.00	100.00
Hemorrhage	3	1.16	1.05	4.53	0.00	20.00
Tattoo pigment	0	0.00	0.00	0.00	0.00	0.00
Plasmacytosis	92	35.66	28.86	41.84	0.00	100.00
Congestion	1	0.39	0.18	1.08	0.00	6.67
Lymphoid atrophy	0	0.00	0.00	0.00	0.00	0.00
Pigment depositions	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	259					
Sinus dilation	2	0.77	0.88	5.41	0.00	33.33
Plasma hyperplasia	9	3.47	3.42	16.81	0.00	100.00
Lymphoid hyperplasia	107	41.31	37.72	40.08	0.00	100.00
Histiocytosis	17	6.56	5.79	21.26	0.00	100.00
Hemosiderin	6	2.32	2.72	13.82	0.00	83.33
Erythrophagocytosis	1	0.39	0.44	2.70	0.00	16.67
Hemorrhage	1	0.39	0.44	2.70	0.00	16.67
Tattoo pigment	1	0.39	0.53	3.24	0.00	20.00
Plasmacytosis	103	39.77	33.77	45.88	0.00	100.00
Congestion	5	1.93	3.68	16.67	0.00	100.00
Lymphoid atrophy	1	0.39	0.26	1.62	0.00	10.00
Pigment depositions	0	0.00	0.00	0.00	0.00	0.00

Mediastinal Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	89					
Congestion	3	3.37	4.29	11.34	0.00	30.00
Hemosiderin	15	16.85	21.43	28.54	0.00	70.00
Lymphoid hyperplasia	12	13.48	20.00	19.15	0.00	40.00
Mastocytosis	3	3.37	4.29	11.34	0.00	30.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	50					
Congestion	12	24.00	20.00	39.50	0.00	100.00
Hemosiderin	25	50.00	41.67	45.79	0.00	90.00
Lymphoid hyperplasia	13	26.00	21.67	24.01	0.00	50.00
Mastocytosis	2	4.00	3.33	8.16	0.00	20.00

Bronchial Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	42					
Pigment	1	2.38	2.86	7.56	0.00	20.00
Lymphoid hyperplasia	8	19.05	22.86	37.29	0.00	100.00
Congestion	1	2.38	2.86	7.56	0.00	20.00
Erythrophagocytosis	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	42					
Pigment	5	11.90	12.86	22.15	0.00	50.00
Lymphoid hyperplasia	7	16.67	20.00	38.30	0.00	100.00
Congestion	3	7.14	7.14	18.90	0.00	50.00
Erythrophagocytosis	4	9.52	11.43	30.24	0.00	80.00

Tracheobronchial Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	44					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	5					

Axillary Lymph Node

* gross lesions only

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	4					
Lymphoid hyperplasia	1	25.00	25.00	0.00	25.00	25.00
Plasma hyperplasia	1	25.00	25.00	0.00	25.00	25.00
Histiocytosis	3	75.00	75.00	0.00	75.00	75.00
Yellow-brown pigment	1	25.00	25.00	0.00	25.00	25.00
Sinus dilation	1	25.00	25.00	0.00	25.00	25.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	1					
Lymphoid hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Plasma hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Histiocytosis	1	100.00	100.00	0.00	100.00	100.00
Yellow-brown pigment	0	0.00	0.00	0.00	0.00	0.00
Sinus dilation	1	100.00	100.00	0.00	100.00	100.00

Cervical Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	6					
Sinusoidal ectasia	1	16.67	50.00	70.71	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	5					
Sinusoidal ectasia	0	0.00	0.00	0.00	0.00	0.00

Other Lymph Nodes

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	164					
Sinusoidal dilation	1	0.61	3.85	19.61	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	163					
Sinusoidal dilation	0	0.00	0.00	0.00	0.00	0.00

Thymus

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	275					
Hemorrhage	15	5.45	6.42	14.17	0.00	60.00
Pigment deposition	1	0.36	0.42	2.64	0.00	16.67
Congestion	15	5.45	5.67	12.97	0.00	60.00
Involution / Atrophy	36	13.09	14.83	27.78	0.00	100.00
Histiocytosis	2	0.73	1.00	4.41	0.00	20.00
Lymphoid hyperplasia	1	0.36	0.50	3.16	0.00	20.00
Tubular hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Increased lymphocytolysis	6	2.18	3.00	16.04	0.00	100.00
Cyst(s)	37	13.45	14.83	21.76	0.00	60.00
Tubular structure	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	271					
Hemorrhage	15	5.54	6.67	17.82	0.00	60.00
Pigment deposition	4	1.48	1.71	10.68	0.00	66.67
Congestion	11	4.06	4.96	16.72	0.00	100.00
Involution / Atrophy	36	13.28	14.44	25.37	0.00	100.00
Histiocytosis	2	0.74	1.03	4.47	0.00	20.00
Lymphoid hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Tubular hyperplasia	1	0.37	0.26	1.60	0.00	10.00
Increased lymphocytolysis	5	1.85	2.56	16.01	0.00	100.00
Cyst(s)	106	39.11	36.67	36.01	0.00	100.00
Tubular structure	0	0.00	0.00	0.00	0.00	0.00

Spleen

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	307					
Constriction	1	0.33	0.25	1.58	0.00	10.00
Hemopoietic foci	156	50.81	54.33	44.77	0.00	100.00
Pigment	10	3.26	2.50	15.81	0.00	100.00
Hemosiderin	115	37.46	42.25	49.79	0.00	100.00
Congestion	10	3.26	5.00	22.07	0.00	100.00
Increased erythropoiesis	4	1.30	2.00	12.65	0.00	80.00
Histiocytosis	9	2.93	2.25	14.23	0.00	90.00
Lymphoid hyperplasia	1	0.33	0.25	1.58	0.00	10.00
Extramedullary hematopoiesis	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	266					
Constriction	1	0.38	0.51	3.20	0.00	20.00
Hemopoietic foci	160	60.15	56.58	45.43	0.00	100.00
Pigment	10	3.76	2.56	16.01	0.00	100.00
Hemosiderin	116	43.61	43.59	50.24	0.00	100.00
Congestion	10	3.76	5.13	22.35	0.00	100.00
Increased erythropoiesis	3	1.13	1.54	9.61	0.00	60.00
Histiocytosis	8	3.01	2.05	12.81	0.00	80.00
Lymphoid hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Extramedullary hematopoiesis	0	0.00	0.00	0.00	0.00	0.00

Knee Joint

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	5					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	5					

Joint – Femorotibial

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	55					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	55					

Bone (Femur, Sternum, Others)

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	222					
Fibro-osseous lesion	0	0.00	0.00	0.00	0.00	0.00
Mucinous degeneration	16	7.21	5.93	22.06	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	182					
Fibro-osseous lesion	2	1.10	1.54	7.84	0.00	40.00
Mucinous degeneration	19	10.44	7.69	24.71	0.00	100.00

Skeletal Muscle

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	237					
Mononuclear cell foci	8	3.38	3.10	7.12	0.00	20.00
Atrophy	7	2.95	3.45	8.97	0.00	40.00
Myophagocytic focus	1	0.42	0.34	1.86	0.00	10.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Single fiber degeneration	1	0.42	0.34	1.86	0.00	10.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	197					
Mononuclear cell foci	10	5.08	4.29	9.59	0.00	40.00
Atrophy	4	2.03	1.79	4.76	0.00	20.00
Myophagocytic focus	0	0.00	0.00	0.00	0.00	0.00
Inflammation	1	0.51	0.71	3.78	0.00	20.00
Single fiber degeneration	0	0.00	0.00	0.00	0.00	0.00

Body Cavities

* gross lesions only

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	1					
Fat necrosis	1	100.00	100.00	0.00	100.00	100.00
Cyst	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	2					
Fat necrosis	1	50.00	50.00	70.71	0.00	100.00
Cyst	1	50.00	50.00	70.71	0.00	100.00

Injection: Neck

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	16					
Mononuclear infiltrate	1	6.25	8.33	11.79	0.00	16.67

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	16					
Mononuclear infiltrate	0	0.00	0.00	0.00	0.00	0.00

Injection: Right Flank

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	16					
Mononuclear infiltrate	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	16					
Mononuclear infiltrate	1	6.25	8.33	11.79	0.00	16.67

Injection: Left Flank

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	16					
Mononuclear infiltrate	1	6.25	8.33	11.79	0.00	16.67
Fibrosis	1	6.25	8.33	11.79	0.00	16.67
Inflammatory reaction	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	16					
Mononuclear infiltrate	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	1	6.25	8.33	11.79	0.00	16.67
Inflammatory reaction	1	6.25	8.33	11.79	0.00	16.67

GALT

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	10					
Mineralization	2	20.00	20.00	0.00	20.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	10					
Mineralization	4	40.00	40.00	0.00	40.00	40.00