

Appendix: Statistics

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Brain

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Brain						
Numbers of rats examined	398					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Brain						
Numbers of rats examined	397					

Cerebellum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cerebellum						
Numbers of rats examined	239					
Hemorrhage	1	0.42	0.42	2.89	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cerebellum						
Numbers of rats examined	239					
Hemorrhage	1	0.42	0.42	2.89	0.00	20.00

Cerebrum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cerebrum						
Numbers of rats examined	209					
Hemorrhage	3	1.44	1.75	7.94	0.00	40.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cerebrum						
Numbers of rats examined	209					
Hemorrhage	2	0.96	0.95	6.17	0.00	40.00

Brain Stem

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Brain Stem						
Numbers of rats examined	138					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Brain Stem						
Numbers of rats examined	138					

Pons

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Pons						
Numbers of rats examined	116					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Pons						
Numbers of rats examined	116					

Medulla Oblongata

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Medulla oblongata						
Numbers of rats examined	31					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Medulla oblongata						
Numbers of rats examined	31					

Telencephalon

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Telencephalon</u>						
Numbers of rats examined	55					
Gliosis	0	0.00	0.00	0.00	0.00	0.00
Hydrocephalus	0	0.00	0.00	0.00	0.00	0.00
Ventricular dilation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Telencephalon</u>						
Numbers of rats examined	55					
Gliosis	1	1.82	1.82	6.03	0.00	20.00
Hydrocephalus	1	1.82	1.82	6.03	0.00	20.00
Ventricular dilation	1	1.82	1.82	6.03	0.00	20.00

Spinal Cord

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Spinal Cord</u>						
Numbers of rats examined	382					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Spinal Cord</u>						
Numbers of rats examined	382					

Optic Nerve

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Optic Nerve						
Numbers of rats examined	161					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Optic Nerve						
Numbers of rats examined	166					

Sciatic Nerve

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Sciatic Nerve						
Numbers of rats examined	387					
Ectopic neurons	0	0.00	0.00	0.00	0.00	0.00
Nerve fiber degeneration	11	2.84	2.86	9.01	0.00	40.00
Neuronophagia	1	0.26	0.26	2.28	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Sciatic Nerve						
Numbers of rats examined	387					
Ectopic neurons	1	0.26	0.16	1.42	0.00	12.50
Nerve fiber degeneration	24	6.20	6.58	15.00	0.00	66.67
Neuronophagia	1	0.26	0.26	2.28	0.00	20.00

Eyes

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Eyes						
Numbers of rats examined	164					
Retinal rosettes	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	19	11.59	11.17	20.80	0.00	80.00
Mononuclear cell foci	2	1.22	1.25	4.92	0.00	20.00
Inflammation	8	4.88	4.30	11.93	0.00	40.00
Inflammation: sclera	0	0.00	0.00	0.00	0.00	0.00
Conjunctivitis	0	0.00	0.00	0.00	0.00	0.00
Keratitis	0	0.00	0.00	0.00	0.00	0.00
Retinal degener.	1	0.61	0.63	3.54	0.00	20.00
Iridocyclitis	0	0.00	0.00	0.00	0.00	0.00
Lenticular degener.	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Eyes						
Numbers of rats examined	165					
Retinal rosettes	3	1.82	1.82	7.69	0.00	40.00
	60	36.36	0.13	0.56	0.00	4.00
Hemorrhage	17	10.30	10.30	20.69	0.00	80.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Inflammation	15	9.09	9.09	18.77	0.00	60.00
Inflammation: sclera	1	0.61	0.38	2.18	0.00	12.50
Conjunctivitis	1	0.61	0.61	3.48	0.00	20.00
Keratitis	1	0.61	3.03	17.41	0.00	100.00
Retinal degener.	4	2.42	2.42	8.30	0.00	40.00
Iridocyclitis	1	0.61	0.61	3.48	0.00	20.00
Lenticular degener.	1	0.61	0.61	3.48	0.00	20.00

Harderian Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Harderian Glands						
Numbers of rats examined	147					
Porphyrin deposition	18	12.24	10.86	28.16	0.00	100.00
Hemorrhage	10	6.80	5.60	18.70	0.00	80.00
Atrophy, azinar	1	0.68	0.43	2.32	0.00	12.50
Inflammation	7	4.76	4.05	13.27	0.00	60.00
Inflammatory cells	1	0.68	0.69	3.71	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Harderian Glands						
Numbers of rats examined	146					
Porphyrin deposition	19	13.01	11.29	26.16	0.00	87.50
Hemorrhage	12	8.22	9.05	22.62	0.00	100.00
Atrophy, azinar	0	0.00	0.00	0.00	0.00	0.00
Inflammation	6	4.11	4.66	12.67	0.00	50.00
Inflammatory cells	0	0.00	0.00	0.00	0.00	0.00

Exorbital Lacrimal

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Ex. Lacrimal Glands						
Numbers of rats examined	139					
Harderian alteration	4	2.88	2.69	8.69	0.00	40.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Ex. Lacrimal Glands						
Numbers of rats examined	139					
Harderian alteration	0	0.00	0.00	0.00	0.00	0.00

Aorta

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Aorta</u>						
Numbers of rats examined	159					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Aorta</u>						
Numbers of rats examined	159					

Heart

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Heart</u>						
Numbers of rats examined	402					
Lymphangectasis	2	0.50	0.50	3.14	0.00	20.00
Hemorrhage	1	0.25	0.42	3.73	0.00	33.33
Mast cell infiltr.	3	0.75	0.75	6.71	0.00	60.00
Lymphoid cell foci	45	11.19	11.40	20.34	0.00	80.00
Myofibrosis/necrosis	22	5.47	5.50	14.92	0.00	100.00
Myocardial necrosis	11	2.74	2.66	7.46	0.00	40.00
Focal myocarditis	1	0.25	0.25	2.24	0.00	20.00
Mononuclear foci	2	0.50	0.50	3.14	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Heart</u>						
Numbers of rats examined	397					
Lymphangectasis	1	0.25	0.25	2.25	0.00	20.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Mast cell infiltr.	0	0.00	0.00	0.00	0.00	0.00
Lymphoid cell foci	19	4.79	4.79	11.50	0.00	60.00
Myofibrosis/necrosis	8	2.02	2.03	8.83	0.00	60.00
Myocardial necrosis	2	0.50	0.51	3.16	0.00	20.00
Focal myocarditis	1	0.25	0.25	2.25	0.00	20.00
Mononuclear foci	0	0.00	0.00	0.00	0.00	0.00

Nasopharyngeal Duct

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Nasopharyngeal Duct.</u>						
Numbers of rats examined	23					
Goblet cell prolif.	1	4.35	5.00	10.00	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Nasopharyngeal Duct.</u>						
Numbers of rats examined	23					
Goblet cell prolif.	1	4.35	5.00	10.00	0.00	20.00

Nasal Cavity

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Nasal Cavity</u>						
Numbers of rats examined	134					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Nasal Cavity</u>						
Numbers of rats examined	134					

Nasal Cavity, Level 1

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Nasal Cavity, Level 1</u>						
Numbers of rats examined	28					
Goblet cell proliferation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Nasal Cavity, Level 1</u>						
Numbers of rats examined	28					
Goblet cell proliferation	3	10.71	12.00	17.89	0.00	40.00

Nasal Cavity, Level 2

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 2						
Numbers of rats examined	28					
Goblet cell proliferation	6	21.43	19.50	19.40	0.00	40.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 2						
Numbers of rats examined	28					
Goblet cell proliferation	2	7.14	6.50	9.29	0.00	20.00

Nasal Cavity, Level 3

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 3						
Numbers of rats examined	31					
Mononuclear cell foci	1	3.23	2.50	5.59	0.00	12.50

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 3						
Numbers of rats examined	31					
Mononuclear cell foci	1	3.23	2.50	5.59	0.00	12.50

Nasal Cavity, Level 4

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 4						
Numbers of rats examined	23					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 4						
Numbers of rats examined	23					

Larynx

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx						
Numbers of rats examined	123					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx						
Numbers of rats examined	123					

Larynx, Level 2

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 2						
Numbers of rats examined	13					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 2						
Numbers of rats examined	13					

Larynx, Level 3

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 3						
Numbers of rats examined	18					
Mononuclear cell foci	1	5.56	4.17	7.22	0.00	12.50

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 3						
Numbers of rats examined	18					
Mononuclear cell foci	1	5.56	4.17	7.22	0.00	12.50

Larynx, Level 6

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 6						
Numbers of rats examined	10					
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 6						
Numbers of rats examined	9					
Mononuclear cell foci	1	11.11	12.50	17.68	0.00	25.00

Trachea

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Trachea						
Numbers of rats examined	382					
Glandular dilation	50	13.09	13.51	22.91	0.00	80.00
Mineralization	0	0.00	0.00	0.00	0.00	0.00
Hyaline inclusions	12	3.14	3.16	15.68	0.00	80.00
Mononuclear cell foci	50	13.09	13.04	22.63	0.00	100.00
Gland. Hypertrophy	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Inclusion: Cytoplasm.	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Trachea						
Numbers of rats examined	382					
Glandular dilation	49	12.83	12.97	22.41	0.00	80.00
Mineralization	2	0.52	0.44	3.82	0.00	33.33
Hyaline inclusions	8	2.09	2.11	10.62	0.00	60.00
Mononuclear cell foci	48	12.57	12.79	23.96	0.00	80.00
Gland. Hypertrophy	1	0.26	0.26	2.29	0.00	20.00
Fibrosis	1	0.26	0.26	2.29	0.00	20.00
Inclusion: Cytoplasm.	0	0.00	0.00	0.00	0.00	0.00

Lungs

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Lungs						
Numbers of rats examined	402					
Osseous metaplasia	19	4.73	4.92	11.89	0.00	80.00
Vascular mineralization	98	24.38	24.57	26.09	0.00	80.00
Atelectasis	6	1.49	1.50	6.95	0.00	40.00
Emphysema acute	7	1.74	1.66	7.74	0.00	60.00
Congestion	2	0.50	0.50	3.14	0.00	20.00
Hemorrhage	8	1.99	2.00	6.83	0.00	40.00
Alveolar crystals	1	0.25	0.25	2.24	0.00	20.00
Alveolar histiocytosis	97	24.13	23.95	28.71	0.00	100.00
Mononuclear cell foci	16	3.98	4.00	8.66	0.00	40.00
Perivascular cuffing	9	2.24	2.25	8.42	0.00	40.00
Inflammatory cell foci	5	1.24	1.16	4.57	0.00	20.00
Alveolitis	28	6.97	7.00	18.85	0.00	80.00
Inter. Inflammation	0	0.00	0.00	0.00	0.00	0.00
Infilt. Lymphocytic	3	0.75	0.92	4.83	0.00	33.33
Perivascularitis	3	0.75	0.92	4.83	0.00	33.33
Pleural fibrosis	1	0.25	0.25	2.24	0.00	20.00
Lymphoid hyperplasia	17	4.23	4.25	12.20	0.00	60.00
Lymphoid foci	3	0.75	0.75	4.97	0.00	40.00
Perivasc. Infilt.	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Lungs						
Numbers of rats examined	402					
Osseous metaplasia	15	3.73	3.66	8.33	0.00	40.00
Vascular mineralization	75	18.66	18.75	25.53	0.00	100.00
Atelectasis	3	0.75	0.75	3.82	0.00	20.00
Emphysema acute	2	0.50	0.41	2.62	0.00	20.00
Congestion	1	0.25	0.25	2.24	0.00	20.00
Hemorrhage	2	0.50	0.50	3.14	0.00	20.00
Alveolar crystals	0	0.00	0.00	0.00	0.00	0.00
Alveolar histiocytosis	94	23.38	23.22	28.88	0.00	100.00
Mononuclear cell foci	15	3.73	3.64	10.23	0.00	40.00
Perivascular cuffing	10	2.49	2.50	10.73	0.00	60.00
Inflammatory cell foci	7	1.74	1.75	6.52	0.00	40.00
Alveolitis	42	10.45	10.41	23.14	0.00	100.00
Inter. Inflammation	1	0.25	0.25	2.24	0.00	20.00
Infilt. Lymphocytic	2	0.50	0.50	3.14	0.00	20.00
Perivascularitis	1	0.25	0.42	3.73	0.00	33.33
Pleural fibrosis	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	9	2.24	2.25	9.54	0.00	60.00
Lymphoid foci	2	0.50	0.50	4.47	0.00	40.00
Perivasc. Infilt.	0	0.00	0.00	0.00	0.00	0.00

Main Bronchi*

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Main Bronchi</u>						
Numbers of rats examined	13					

*single Study only

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Main Bronchi</u>						
Numbers of rats examined	13					

*single Study only

Pituitary Gland

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Pituitary gland</u>						
Numbers of rats examined	144					
Cysts	2	1.39	1.43	5.25	0.00	20.00
Cystic Rathke's cleft	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Pituitary gland</u>						
Numbers of rats examined	144					
Cysts	0	0.00	0.00	0.00	0.00	0.00
Cystic Rathke's cleft	4	2.78	2.86	11.82	0.00	60.00

Adrenal Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal Glands						
Numbers of rats examined	402					
Extra Adrenal Tissue	0	0.00	0.00	0.00	0.00	0.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Vacuolation	21	5.22	5.25	19.29	0.00	100.00
Mononuclear cell foci	17	4.23	4.25	19.54	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal Glands						
Numbers of rats examined	397					
Extra Adrenal Tissue	1	0.25	0.25	2.25	0.00	20.00
Congestion	1	0.25	0.25	2.25	0.00	20.00
Vacuolation	4	1.01	1.01	5.45	0.00	40.00
Mononuclear cell foci	1	0.25	0.25	2.25	0.00	20.00

Adrenal Cortex

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal Cortex						
Numbers of rats examined	442					
Extra-adrenal tissue	6	1.36	1.69	6.87	0.00	40.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Vacuolation	112	25.34	24.38	27.95	0.00	100.00
Vacuolation, z. glom.	5	1.13	1.43	7.97	0.00	60.00
Focal angiectasis	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	5	1.13	1.14	4.53	0.00	20.00
Hemopoietic foci	1	0.23	0.42	3.75	0.00	33.33
Angiectasis	0	0.00	0.00	0.00	0.00	0.00
Hypertrophy	0	0.00	0.00	0.00	0.00	0.00
Hypertrophy, z. fasc.	0	0.00	0.00	0.00	0.00	0.00
Hypertrophy, z. glom.	4	0.90	1.18	6.20	0.00	40.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal Cortex						
Numbers of rats examined	437					
Extra-adrenal tissue	3	0.69	0.77	3.87	0.00	20.00
Hemorrhage	1	0.23	0.16	1.42	0.00	12.50
Vacuolation	11	2.52	2.99	8.23	0.00	40.00
Vacuolation, z. glom.	0	0.00	0.00	0.00	0.00	0.00
Focal angiectasis	1	0.23	0.13	1.13	0.00	10.00
Mononuclear cell foci	3	0.69	0.64	3.36	0.00	20.00
Hemopoietic foci	1	0.23	0.26	2.26	0.00	20.00
Angiectasis	2	0.46	0.51	3.18	0.00	20.00
Hypertrophy	1	0.23	0.26	2.26	0.00	20.00
Hypertrophy, z. fasc.	1	0.23	0.26	2.26	0.00	20.00
Hypertrophy, z. glom.	2	0.46	0.51	4.53	0.00	40.00

Adrenal Medulla

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal medulla						
Numbers of rats examined	416					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal medulla						
Numbers of rats examined	414					

Thyroid Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Thyroid Glands						
Numbers of rats examined	401					
Dysplasia	4	1.00	1.00	5.42	0.00	40.00
Ductal remnants	8	2.00	2.00	6.83	0.00	40.00
Thymic remnants	9	2.24	2.42	7.67	0.00	40.00
Colloid alteration	4	1.00	1.00	5.42	0.00	40.00
Mononuclear cell foci	1	0.25	0.25	2.24	0.00	20.00
Follicular cell hypertrophy	42	10.47	10.63	25.82	0.00	100.00
Activation	6	1.50	1.50	8.28	0.00	60.00
Cyst Epidermal	1	0.25	0.25	2.24	0.00	20.00
Hyperplasia C-Cell	1	0.25	0.25	2.24	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Thyroid Glands						
Numbers of rats examined	402					
Dysplasia	3	0.75	0.75	4.97	0.00	40.00
Ductal remnants	13	3.23	3.21	8.00	0.00	40.00
Thymic remnants	10	2.49	2.50	8.64	0.00	40.00
Colloid alteration	4	1.00	1.00	4.39	0.00	20.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Follicular cell hypertrophy	11	2.74	2.75	8.26	0.00	40.00
Activation	1	0.25	0.25	2.24	0.00	20.00
Cyst Epidermal	0	0.00	0.00	0.00	0.00	0.00
Hyperplasia C-Cell	0	0.00	0.00	0.00	0.00	0.00

Parathyroid Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Parathyroid Glands						
Numbers of rats examined	388					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Parathyroid Glands						
Numbers of rats examined	386					

Pancreas

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Pancreas						
Numbers of rats examined	154					
Exocrine atrophy	1	0.65	0.67	3.65	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Pancreas						
Numbers of rats examined	154					
Exocrine atrophy	2	1.30	1.08	4.24	0.00	20.00

Liver

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Liver</u>						
Numbers of rats examined	402					
Hepatodiaphragmatic herniation	9	2.24	2.00	6.04	0.00	20.00
Incr. Glycogen Depos.	5	1.24	1.25	11.18	0.00	100.00
Vacuolation	34	8.46	8.50	20.81	0.00	100.00
Fatty change	46	11.44	11.41	26.37	0.00	100.00
Hemosiderin	0	0.00	0.00	0.00	0.00	0.00
Pigment	4	1.00	1.00	7.04	0.00	60.00
Erythropoiesis	31	7.71	7.99	18.66	0.00	100.00
Sinusoidal dilation	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell foci	271	67.41	67.39	35.39	0.00	100.00
Single cell necrosis	53	13.18	13.13	28.09	0.00	100.00
Peribiliary mononuc.	0	0.00	0.00	0.00	0.00	0.00
Biliary inflammation	1	0.25	0.25	2.24	0.00	20.00
Necrosis	1	0.25	0.25	2.24	0.00	20.00
Focal fibrosis	1	0.25	0.25	2.24	0.00	20.00
Bile duct proliferation	12	2.99	3.24	14.30	0.00	100.00
Hepatocell. Hyperptr.	3	0.75	0.66	3.42	0.00	20.00
Hepatoc. hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Mixed foci	0	0.00	0.00	0.00	0.00	0.00
Periport.: Infl.Inf.	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Inflammatory Infiltr.	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Liver</u>						
Numbers of rats examined	402					
Hepatodiaphragmatic herniation	0	0.00	0.00	0.00	0.00	0.00
Incr. Glycogen Depos.	2	0.50	0.50	4.47	0.00	40.00
Vacuolation	65	16.17	16.25	26.07	0.00	100.00
Fatty change	66	16.42	16.50	32.57	0.00	100.00
Hemosiderin	1	0.25	0.25	2.24	0.00	20.00
Pigment	5	1.24	1.25	7.36	0.00	60.00
Erythropoiesis	31	7.71	7.73	14.99	0.00	80.00
Sinusoidal dilation	1	0.25	0.25	2.24	0.00	20.00
Inflammatory cell foci	238	59.20	59.34	35.28	0.00	100.00
Single cell necrosis	24	5.97	6.00	16.35	0.00	80.00
Peribiliary mononuc.	1	0.25	0.25	2.24	0.00	20.00
Biliary inflammation	0	0.00	0.00	0.00	0.00	0.00
Necrosis	5	1.24	1.25	4.87	0.00	20.00
Focal fibrosis	0	0.00	0.00	0.00	0.00	0.00
Bile duct proliferation	12	2.99	3.15	13.25	0.00	80.00
Hepatocell. Hyperptr.	2	0.50	0.41	2.62	0.00	20.00
Hepatoc. hyperplasia	1	0.25	0.25	2.24	0.00	20.00
Mixed foci	1	0.25	0.25	2.24	0.00	20.00
Periport.: Infl.Inf.	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Inflammatory Infiltr.	0	0.00	0.00	0.00	0.00	0.00

Tongue

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Tongue</u>						
Numbers of rats examined	149					
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Atrophy, lingual gl.	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Tongue</u>						
Numbers of rats examined	149					
Inflammation	2	1.34	0.86	4.64	0.00	25.00
Atrophy, lingual gl.	1	0.67	0.43	2.32	0.00	12.50

Esophagus

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Esophagus</u>						
Numbers of rats examined	160					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Esophagus</u>						
Numbers of rats examined	160					

Stomach

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Stomach						
Numbers of rats examined	402					
Squamous cyst	2	0.50	0.50	3.14	0.00	20.00
Mucosal cyst	2	0.50	0.50	3.14	0.00	20.00
Dilated glands	3	0.75	0.75	3.82	0.00	20.00
Lymphoid follicles	7	1.74	1.75	6.52	0.00	40.00
Congestion	2	0.50	0.50	3.14	0.00	20.00
Edema	4	1.00	1.00	5.42	0.00	40.00
Hyaline droplets	53	13.18	13.66	29.09	0.00	100.00
Apoptotic bodies	1	0.25	0.25	2.24	0.00	20.00
Mineralization	2	0.50	0.50	3.14	0.00	20.00
Mononuclear focus	1	0.25	0.25	2.24	0.00	20.00
Inflammatory cell foci	20	4.98	5.00	14.05	0.00	80.00
Limit. ridge vacuolation	37	9.20	9.25	15.57	0.00	60.00
Focal spongiosis	5	1.24	1.25	11.18	0.00	100.00
Cryptabscess(es)	1	0.25	0.25	2.24	0.00	20.00
Glandular inflammation	2	0.50	0.50	3.14	0.00	20.00
Forestomach inflammation	0	0.00	0.00	0.00	0.00	0.00
Arterial inflammation	0	0.00	0.00	0.00	0.00	0.00
Erosion/ulceration	0	0.00	0.00	0.00	0.00	0.00
Hyperkeratosis	13	3.23	3.25	12.90	0.00	80.00
Epith. Hyperplasia	3	0.75	0.75	3.82	0.00	20.00
Epithelial dysplasia	1	0.25	0.25	2.24	0.00	20.00
Mucosal atrophy	1	0.25	0.25	2.24	0.00	20.00
Incr. Inflamm. Infiltr.	1	0.25	0.25	2.24	0.00	20.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Stomach						
Numbers of rats examined	392					
Squamous cyst	0	0.00	0.00	0.00	0.00	0.00
Mucosal cyst	0	0.00	0.00	0.00	0.00	0.00
Dilated glands	8	2.04	2.22	8.16	0.00	40.00
Lymphoid follicles	6	1.53	1.54	5.36	0.00	20.00
Congestion	2	0.51	0.26	2.26	0.00	20.00
Edema	3	0.77	0.77	6.79	0.00	60.00
Hyaline droplets	47	11.99	12.47	25.59	0.00	100.00
Apoptotic bodies	0	0.00	0.00	0.00	0.00	0.00
Mineralization	0	0.00	0.00	0.00	0.00	0.00
Mononuclear focus	3	0.77	0.77	5.04	0.00	40.00
Inflammatory cell foci	15	3.83	3.59	10.06	0.00	60.00
Limit. ridge vacuolation	38	9.69	9.91	15.89	0.00	60.00
Focal spongiosis	5	1.28	1.28	11.32	0.00	100.00
Cryptabscess(es)	1	0.26	0.26	2.26	0.00	20.00
Glandular inflammation	0	0.00	0.00	0.00	0.00	0.00
Forestomach inflammation	1	0.26	0.26	2.26	0.00	20.00
Arterial inflammation	1	0.26	0.26	2.26	0.00	20.00
Erosion/ulceration	7	1.79	1.79	5.75	0.00	20.00
Hyperkeratosis	9	2.30	2.31	11.61	0.00	80.00
Epith. Hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Epithelial dysplasia	0	0.00	0.00	0.00	0.00	0.00
Mucosal atrophy	0	0.00	0.00	0.00	0.00	0.00
Incr. Inflamm. Infiltr.	0	0.00	0.00	0.00	0.00	0.00
Inflammation	1	0.26	0.26	2.26	0.00	20.00

Duodenum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Duodenum						
Numbers of rats examined	387					
Dilation	1	0.26	0.26	2.28	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Duodenum						
Numbers of rats examined	387					
Dilation	0	0.00	0.00	0.00	0.00	0.00

Jejunum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Jejunum						
Numbers of rats examined	369					
Congestion	2	0.54	1.58	11.67	0.00	100.00
Mineralization	35	9.49	9.45	20.18	0.00	100.00
Lymphoid hyperplasia	71	19.24	19.82	34.60	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Jejunum						
Numbers of rats examined	374					
Congestion	1	0.27	0.66	5.74	0.00	50.00
Mineralization	33	8.82	8.82	17.49	0.00	80.00
Lymphoid hyperplasia	62	16.58	17.04	31.97	0.00	100.00

Ileum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Ileum</u>						
Numbers of rats examined	382					
Mineralization	2	0.52	0.53	3.22	0.00	20.00
Goblet cell proliferation	1	0.26	0.26	2.29	0.00	20.00
Epith. invagination	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	92	24.08	24.21	38.69	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Ileum</u>						
Numbers of rats examined	380					
Mineralization	3	0.79	0.79	6.88	0.00	60.00
Goblet cell proliferation	0	0.00	0.00	0.00	0.00	0.00
Epith. invagination	1	0.26	0.26	2.29	0.00	20.00
Lymphoid hyperplasia	80	21.05	21.58	37.49	0.00	100.00

Peyer's Patches

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Peyer's patches</u>						
Numbers of rats examined	238					
Mineralization	3	1.26	1.25	6.40	0.00	40.00
Lymphoid hyperplasia	10	4.20	4.17	20.19	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Peyer's patches</u>						
Numbers of rats examined	238					
Mineralization	10	4.20	4.17	13.66	0.00	60.00
Lymphoid hyperplasia	10	4.20	4.17	20.19	0.00	100.00

Cecum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cecum						
Numbers of rats examined	387					
Cyst(s)	6	1.55	1.56	11.59	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cecum						
Numbers of rats examined	387					
Cyst(s)	5	1.29	1.30	11.40	0.00	100.00

Colon

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Colon						
Numbers of rats examined	386					
Dilation	3	0.78	0.78	5.07	0.00	40.00
Nematodes	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Colon						
Numbers of rats examined	387					
Dilation	4	1.03	1.04	5.52	0.00	40.00
Nematodes	1	0.26	0.26	2.28	0.00	20.00

Rectum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Rectum						
Numbers of rats examined	382					
Dilation	4	1.05	1.05	5.56	0.00	40.00
Nematodes	3	0.79	0.79	3.92	0.00	20.00
Congestion	1	0.26	0.44	3.82	0.00	33.33
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Rectum						
Numbers of rats examined	382					
Dilation	12	3.14	3.33	10.75	0.00	60.00
Nematodes	1	0.26	0.26	2.29	0.00	20.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	2	0.52	0.53	4.59	0.00	40.00

Salivary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Salivary Glands						
Numbers of rats examined	149					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Salivary Glands						
Numbers of rats examined	149					

Parotid Salivary Glands*

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Parotid Glands						
Numbers of rats examined	30					
Ectopic submandibul.	0	0.00	0.00	0.00	0.00	0.00
Lipidosis	4	13.33	13.33	20.66	0.00	40.00
Mononuclear cell foci	2	6.67	6.67	10.33	0.00	20.00

*single Studies only

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Parotid Glands						
Numbers of rats examined	30					
Ectopic submandibul.	2	6.67	6.67	10.33	0.00	20.00
Lipidosis	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

*single Studies only

Submandibular

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Submandibular Salivary Glands						
Numbers of rats examined	141					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Submandibular Salivary Glands						
Numbers of rats examined	146					

Sublingual Salivary

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Sublingual Salivary Glands						
Numbers of rats examined	146					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Sublingual Salivary Glands						
Numbers of rats examined	151					

Kidneys

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Kidneys						
Numbers of rats examined	447					
Contents fluid	1	0.22	0.25	2.24	0.00	20.00
Tubular Cysts	0	0.00	0.00	0.00	0.00	0.00
Pelvic dilation	35	7.83	8.03	16.03	0.00	60.00
Hydronephrosis	0	0.00	0.00	0.00	0.00	0.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	5	1.12	1.75	11.99	0.00	100.00
Hyaline droplets	311	69.57	66.31	44.09	0.00	100.00
Lipofuscin pigment	0	0.00	0.00	0.00	0.00	0.00
Corticomed. mineralization	23	5.15	5.41	13.79	0.00	60.00
Pelvic mineralization	7	1.57	1.13	4.50	0.00	20.00
Papillary mineralization	2	0.45	0.50	3.14	0.00	20.00
Tubular dilation	2	0.45	0.50	3.14	0.00	20.00
Tubular basophilia	114	25.50	26.08	25.95	0.00	100.00
Tubular degeneration	3	0.67	0.75	3.82	0.00	20.00
Tubular casts	7	1.57	1.33	4.82	0.00	20.00
Mononuclear cell foci	39	8.72	9.64	16.34	0.00	60.00
Inflammatory cell infiltr.	1	0.22	0.25	2.24	0.00	20.00
Pyelitis	0	0.00	0.00	0.00	0.00	0.00
Interstitial inflammation	13	2.91	2.25	6.36	0.00	30.00
Fibrosis	1	0.22	0.25	2.24	0.00	20.00
Urothelial hyperplasia	8	1.79	1.75	5.69	0.00	20.00
Cyst(s)	1	0.22	0.25	2.24	0.00	20.00
Lipofuscin deposit	0	0.00	0.00	0.00	0.00	0.00
Tubular Vacuolation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Kidneys						
Numbers of rats examined	447					
Contents fluid	0	0.00	0.00	0.00	0.00	0.00
Tubular Cysts	1	0.22	0.25	2.24	0.00	20.00
Pelvic dilation	32	7.16	7.67	11.70	0.00	40.00
Hydronephrosis	2	0.45	0.50	4.47	0.00	40.00
Congestion	1	0.22	0.13	1.12	0.00	10.00
Hemorrhage	3	0.67	1.08	7.75	0.00	66.67
Hyaline droplets	0	0.00	0.00	0.00	0.00	0.00
Lipofuscin pigment	2	0.45	0.50	4.47	0.00	40.00
Corticomed. mineralization	296	66.22	63.97	37.14	0.00	100.00
Pelvic mineralization	7	1.57	1.38	4.70	0.00	20.00
Papillary mineralization	3	0.67	0.75	3.82	0.00	20.00
Tubular dilation	0	0.00	0.00	0.00	0.00	0.00
Tubular basophilia	132	29.53	29.34	28.06	0.00	100.00
Tubular degeneration	13	2.91	3.13	13.93	0.00	100.00
Tubular casts	3	0.67	0.75	3.82	0.00	20.00
Mononuclear cell foci	39	8.72	9.56	18.59	0.00	60.00
Inflammatory cell infiltr.	0	0.00	0.00	0.00	0.00	0.00
Pyelitis	3	0.67	0.75	4.97	0.00	40.00
Interstitial inflammation	34	7.61	4.88	14.23	0.00	80.00
Fibrosis	4	0.89	1.00	5.42	0.00	40.00
Urothelial hyperplasia	3	0.67	0.75	3.82	0.00	20.00
Cyst(s)	0	0.00	0.00	0.00	0.00	0.00
Lipofuscin deposit	3	0.67	0.75	6.71	0.00	60.00
Tubular Vacuolation	0	0.00	0.00	0.00	0.00	0.00

Urinary Bladder

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Urinary Bladder</u>						
Numbers of rats examined	386					
Mononuclear cell foci	4	1.04	1.03	5.49	0.00	40.00
Ectasia	3	0.78	0.77	3.87	0.00	20.00
Congestion	1	0.26	1.28	11.32	0.00	100.00
Luminal blood	1	0.26	0.26	2.26	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Urinary Bladder</u>						
Numbers of rats examined	387					
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Ectasia	3	0.78	0.78	3.90	0.00	20.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Luminal blood	0	0.00	0.00	0.00	0.00	0.00

Skin

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Skin</u>						
Numbers of rats examined	149					
Edema	0	0.00	0.00	0.00	0.00	0.00
Folliculitis	0	0.00	0.00	0.00	0.00	0.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Skin</u>						
Numbers of rats examined	150					
Edema	1	0.67	3.33	18.26	0.00	100.00
Folliculitis	1	0.67	0.42	2.28	0.00	12.50
Inflammation	1	0.67	0.42	2.28	0.00	12.50

Testes

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Testes</u>						
Numbers of rats examined	438					
Tubular vacuolation	11	2.51	2.95	11.34	0.00	60.00
Tubular degeneration	10	2.28	2.57	7.06	0.00	33.33
Giant spermatids	1	0.23	0.42	3.75	0.00	33.33
Capsular fibrosis	1	0.23	0.25	2.25	0.00	20.00
Cellular debris	12	2.74	3.04	12.64	0.00	100.00

Epidiymides

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Epididymides</u>						
Numbers of rats examined	382					
Vacuolation	1	0.26	0.26	2.29	0.00	20.00
Mononuclear cell foci	7	1.83	2.09	8.84	0.00	66.67

Prostate

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Prostate</u>						
Numbers of rats examined	382					
Mononuclear cell foci	8	2.09	2.28	8.26	0.00	40.00
Inflammatory cell foci	6	1.57	1.58	9.67	0.00	60.00
Inflammation	19	4.97	4.80	14.64	0.00	80.00
Sperm granuloma	1	0.26	0.26	2.29	0.00	20.00

Seminal Vesicles

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Seminal Vesicles</u>						
Numbers of rats examined	370					
Congestion	22	5.95	10.13	28.95	0.00	100.00
Hemorrhage	2	0.54	0.52	3.20	0.00	20.00

Mammary Gland

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Mammary Gland Area</u>						
Numbers of rats examined	44					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Mammary Gland Area</u>						
Numbers of rats examined	49					

Ovaries

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Ovaries</u>						
Numbers of rats examined	389					
Follicular cyst	1	0.26	0.25	2.25	0.00	20.00
Tubular structure(s)	1	0.26	0.25	2.25	0.00	20.00
Congestion	4	1.03	3.04	16.04	0.00	100.00
Hemosiderin	1	0.26	0.25	2.25	0.00	20.00

Uterus

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Uterus</u>						
Numbers of rats examined	357					
Congestion	2	0.56	1.30	11.40	0.00	100.00
Dilatation glandular	1	0.28	0.26	2.28	0.00	20.00
Cornual dilation	30	8.40	12.42	25.51	0.00	100.00
Hydrometra	6	1.68	1.56	6.30	0.00	40.00
Estrus/proestrus	9	2.52	5.54	21.67	0.00	100.00
Metestrus	2	0.56	0.69	4.40	0.00	33.33
Edema, interstitial	2	0.56	0.52	3.20	0.00	20.00
Diestrus	1	0.28	0.26	2.28	0.00	20.00

Vagina

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Vagina</u>						
Numbers of rats examined	382					
Luminal plug	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	1	0.26	0.26	2.29	0.00	20.00
Estrus	48	12.57	12.43	18.50	0.00	80.00
Proestrus	56	14.66	14.54	18.96	0.00	80.00
Metestrus	51	13.35	13.22	19.23	0.00	60.00
Diestrus	52	13.61	13.49	18.04	0.00	80.00

Bone Marrow

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Bone Marrow</u>						
Numbers of rats examined	367					
Fatty replacement	9	2.45	2.47	11.99	0.00	80.00
Incr. Myelopoiesis	2	0.54	0.73	4.52	0.00	33.33
Red. Erythropoiesis	3	0.82	1.00	5.05	0.00	33.33

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Bone Marrow</u>						
Numbers of rats examined	367					
Fatty replacement	8	2.18	2.19	12.72	0.00	100.00
Incr. Myelopoiesis	1	0.27	0.27	2.34	0.00	20.00
Red. Erythropoiesis	1	0.27	0.46	3.90	0.00	33.33

Sternum (Bone marrow)

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Sternum (Bone marrow)</u>						
Numbers of rats examined	164					
Chondromuch. degener.	6	3.66	3.05	12.33	0.00	60.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Sternum (Bone marrow)</u>						
Numbers of rats examined	164					
Chondromuch. degener.	10	6.10	4.84	19.07	0.00	80.00

Femur (Bone marrow)

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Femur (Bone marrow)</u>						
Numbers of rats examined	342					
Fatty Replacement	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Femur (Bone marrow)</u>						
Numbers of rats examined	342					
Fatty Replacement	0	0.00	0.00	0.00	0.00	0.00

Mesenteric Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Mesenteric Lymph Nodes</u>						
Numbers of rats examined	382					
Sinus dilation	3	0.79	0.79	6.88	0.00	60.00
Hemorrhage	2	0.52	0.70	4.43	0.00	33.33
Histiocytosis	34	8.90	9.47	26.83	0.00	100.00
Mastocytosis	10	2.62	2.81	9.32	0.00	40.00
Plasmacytosis	2	0.52	0.53	4.59	0.00	40.00
Infilt. Inflamm. Cell	1	0.26	0.26	2.29	0.00	20.00
Lymphoid hyperplasia	143	37.43	37.66	43.83	0.00	100.00
Congestion	1	0.26	0.26	2.29	0.00	20.00
Pigment	1	0.26	0.26	2.29	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Mesenteric Lymph Nodes</u>						
Numbers of rats examined	381					
Sinus dilation	4	1.05	1.05	9.18	0.00	80.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Histiocytosis	37	9.71	10.16	27.79	0.00	100.00
Mastocytosis	13	3.41	3.42	14.01	0.00	80.00
Plasmacytosis	1	0.26	0.26	2.29	0.00	20.00
Infilt. Inflamm. Cell	1	0.26	0.26	2.29	0.00	20.00
Lymphoid hyperplasia	142	37.27	37.86	44.13	0.00	100.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Pigment	0	0.00	0.00	0.00	0.00	0.00

Mandibular Lymph

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Mandibular Lymph Nodes</u>						
Numbers of rats examined	364					
Congestion	2	0.55	0.53	3.24	0.00	20.00
Erythrophagocytosis	1	0.27	0.27	2.31	0.00	20.00
Hemosiderin	5	1.37	0.83	7.22	0.00	62.50
Sinus dilation	1	0.27	0.27	2.31	0.00	20.00
Plasmacytosis	121	33.24	33.60	42.73	0.00	100.00
Histiocytosis	20	5.49	5.33	18.11	0.00	100.00
Mastocytosis	2	0.55	0.53	4.62	0.00	40.00
Lymphoid hyperplasia	136	37.36	37.63	42.03	0.00	100.00
Lymphoid atrophy	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Mandibular Lymph Nodes</u>						
Numbers of rats examined	360					
Congestion	3	0.83	1.92	12.09	0.00	100.00
Erythrophagocytosis	0	0.00	0.00	0.00	0.00	0.00
Hemosiderin	4	1.11	0.68	5.85	0.00	50.00
Sinus dilation	1	0.28	0.27	2.34	0.00	20.00
Plasmacytosis	117	32.50	31.85	42.24	0.00	100.00
Histiocytosis	19	5.28	5.21	17.33	0.00	100.00
Mastocytosis	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	135	37.50	37.53	40.37	0.00	100.00
Lymphoid atrophy	1	0.28	0.27	2.34	0.00	20.00

Mediastinal Lymph Nodes*

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Mediastinal Lymph Nodes</u>						
Numbers of rats examined	23					
Congestion	1	4.35	5.00	10.00	0.00	20.00
Hemosiderin	3	13.04	13.13	18.86	0.00	40.00
Plasmacytosis	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	8	34.78	36.25	33.51	0.00	80.00
Pigment	1	4.35	5.00	10.00	0.00	20.00
Lymphoid atrophy	0	0.00	0.00	0.00	0.00	0.00

*single Studies only

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Mediastinal Lymph Nodes</u>						
Numbers of rats examined	22					
Congestion	5	22.73	18.75	23.94	0.00	50.00
Hemosiderin	10	45.45	43.75	51.54	0.00	100.00
Plasmacytosis	1	4.55	3.13	6.25	0.00	12.50
Lymphoid hyperplasia	8	36.36	35.63	33.44	0.00	80.00
Pigment	5	22.73	25.00	50.00	0.00	100.00
Lymphoid atrophy	1	4.55	5.00	10.00	0.00	20.00

*single Studies only

Thymus

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Thymus</u>						
Numbers of rats examined	384					
Cyst(s)	26	6.77	6.84	14.17	0.00	80.00
Congestion	3	0.78	1.79	11.70	0.00	100.00
Hemorrhage	2	0.52	0.51	3.18	0.00	20.00
Histiocytosis	7	1.82	1.79	9.77	0.00	60.00
Atrophy	39	10.16	10.34	26.51	0.00	100.00
Epithelial hyperplasia	2	0.52	0.51	3.18	0.00	20.00
Hemosiderin Deposits	0	0.00	0.00	0.00	0.00	0.00
No Histol. Correlate	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
<u>Thymus</u>						
Numbers of rats examined	373					
Cyst(s)	69	18.50	17.99	26.43	0.00	80.00
Congestion	2	0.54	1.60	11.75	0.00	100.00
Hemorrhage	2	0.54	0.71	4.46	0.00	33.33
Histiocytosis	14	3.75	3.73	17.30	0.00	100.00
Atrophy	51	13.67	13.21	30.10	0.00	100.00
Epithelial hyperplasia	7	1.88	1.87	10.49	0.00	80.00
Hemosiderin Deposits	0	0.00	0.00	0.00	0.00	0.00
No Histol. Correlate	0	0.00	0.00	0.00	0.00	0.00

Spleen

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Spleen						
Numbers of rats examined	402					
Malformation	1	0.25	0.25	2.24	0.00	20.00
Congestion	3	0.75	0.75	6.71	0.00	60.00
Hemopoiesis	254	63.18	63.34	39.21	0.00	100.00
Hemosiderin	98	24.38	24.25	36.10	0.00	100.00
Lymphoid hyperplasia	3	0.75	0.75	4.97	0.00	40.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Spleen						
Numbers of rats examined	402					
Malformation	0	0.00	0.00	0.00	0.00	0.00
Congestion	3	0.75	0.75	6.71	0.00	60.00
Hemopoiesis	243	60.45	60.50	40.75	0.00	100.00
Hemosiderin	178	44.28	44.25	43.83	0.00	100.00
Lymphoid hyperplasia	1	0.25	0.25	2.24	0.00	20.00

Bone (Femur and Sternum)

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone (Femur and Sternum)						
Numbers of rats examined	151					
Chondromucinous degeneration	8	5.30	5.33	20.30	0.00	80.00
Fatty Replacement	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone (Femur and Sternum)						
Numbers of rats examined	151					
Chondromucinous degeneration	10	6.62	6.67	25.37	0.00	100.00
Fatty Replacement	0	0.00	0.00	0.00	0.00	0.00

Adipose Tissue

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adipose Tissue						
Numbers of rats examined	6					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adipose Tissue						
Numbers of rats examined	6					

Tibio Femoral Joint

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Tibio femoral joint						
Numbers of rats examined	118					
Synovitis	1	0.85	0.54	2.61	0.00	12.50

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Tibio femoral joint						
Numbers of rats examined	118					
Synovitis	0	0.00	0.00	0.00	0.00	0.00

Skeletal Muscles

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Skeletal Muscle						
Numbers of rats examined	154					
Myofiber degeneration	1	0.65	0.67	3.65	0.00	20.00
Mononuclear cell foci	3	1.95	2.00	8.05	0.00	40.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Skeletal Muscle						
Numbers of rats examined	154					
Myofiber degeneration	1	0.65	0.42	2.28	0.00	12.50
Mononuclear cell foci	3	1.95	2.00	8.05	0.00	40.00