Appendix: Statistics

Appendix: Contents

Brain

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Brain						
Numbers of rats examined	110					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Brain						
Numbers of rats examined	110					

Cerebellum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cerebellum						
Numbers of rats examined	41					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cerebellum						
Numbers of rats examined	41					

Cerebrum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cerebrum						
Numbers of rats examined	61					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cerebrum						
Numbers of rats examined	61					

Brain Stem

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Brain Stem						
Numbers of rats examined	41					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Brain Stem						
Numbers of rats examined	41					

Medulla Oblangata

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Medulla oblangata						
Numbers of rats examined	20					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Medulla oblangata						
Numbers of rats examined	20					

Spinal Cord

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Spinal Cord						
Numbers of rats examined	150					
Meningeal proliferation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Spinal Cord						
Numbers of rats examined	150					
Meningeal proliferation	1	0.67	0.71	1.89	0.00	5.00

Sciatic Nerve

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Sciatic Nerve						
Numbers of rats examined	130					
Nerve fiber Degeneration	8	6.15	5.95	7.32	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Sciatic Nerve						
Numbers of rats examined	128					
Nerve fiber Degeneration	5	3.91	3.89	3.97	0.00	10.00

Optic Nerves

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Optic Nerves						
Numbers of rats examined	150					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Optic Nerves						
Numbers of rats examined	150					

Eyes

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Eyes						
Numbers of rats examined	130					
Retinal rosette	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	39	30.00	0.00	0.00	0.00	0.00
Hemosiderin	1	0.77	0.71	1.89	0.00	5.00
Inflammatory cell foci	3	2.31	2.14	5.67	0.00	15.00
Keratitis	0	0.00	0.00	0.00	0.00	0.00
Scleritis	0	0.00	0.00	0.00	0.00	0.00
Periorbital inflammation	3	2.31	2.14	3.93	0.00	10.00
Panophtalmitis	5	3.85	3.48	4.45	0.00	10.00
Phthisis bulbi	1	0.77	0.71	1.89	0.00	5.00
Retinal degeneration	2	1.54	1.43	3.78	0.00	10.00
Muscle degeneration	0	0.00	0.00	0.00	0.00	0.00
Periorbital fibrosis	3	2.31	2.14	5.67	0.00	15.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Eyes						
Numbers of rats examined	130					
Retinal rosette	1	0.77	0.71	1.89	0.00	5.00
Hemorrhage	39	30.00	28.04	21.20	0.00	55.00
Hemosiderin	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell foci	1	0.77	0.71	1.89	0.00	5.00
Keratitis	1	0.77	0.71	1.89	0.00	5.00
Scleritis	1	0.77	0.71	1.89	0.00	5.00
Periorbital inflammation	2	1.54	1.43	3.78	0.00	10.00
Panophtalmitis	8	6.15	5.86	8.13	0.00	20.00
Phthisis bulbi	1	0.77	0.55	1.45	0.00	3.85
Retinal degeneration	5	3.85	4.05	6.93	0.00	15.00
Muscle degeneration	0	0.00	0.00	0.00	0.00	0.00
Periorbital fibrosis	4	3.08	2.86	7.56	0.00	20.00

Harderian Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Harderian Glands						
Numbers of rats examined	100					
Porphyrin deposition	83	83.00	80.28	27.09	26.67	100.00
Hemorrhage	20	20.00	23.33	16.33	0.00	40.00
Mononuclear cell foci	6	6.00	7.78	6.80	0.00	20.00
Granuloma	1	1.00	0.83	2.04	0.00	5.00
Inflammation	10	10.00	11.11	9.53	0.00	25.00
Hypertrophy	2	2.00	1.67	4.08	0.00	10.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Harderian Glands						
Numbers of rats examined	101					
Porphyrin deposition	71	70.30	59.76	37.42	0.00	90.00
Hemorrhage	23	22.77	17.14	23.07	0.00	65.00
Mononuclear cell foci	7	6.93	5.24	5.81	0.00	15.00
Granuloma	0	0.00	0.00	0.00	0.00	0.00
Inflammation	10	9.90	21.19	35.14	0.00	100.00
Hypertrophy	4	3.96	2.86	7.56	0.00	20.00

Lacrimal Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Lacrimal Glands						
Numbers of rats examined	20					
Harderian alteration	6	30.00	30.00	0.00	30.00	30.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Lacrimal Glands						
Numbers of rats examined	20					
Harderiabn alteration	0	0.00	0.00	0.00	0.00	0.00
Inflammation	1	5.00	5.00	0.00	5.00	5.00

Exorbital Lacrimal Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Ex. Lacrimal Glands						
Numbers of rats examined	96					
Harderian alteration	12	12.50	26.39	37.48	0.00	100.00
Inflammation	3	3.13	2.78	4.43	0.00	10.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Ex. Lacrimal Glands						
Numbers of rats examined	95					
Harderian alteration	2	2.11	2.33	3.25	0.00	6.67
Inflammation	0	0.00	0.00	0.00	0.00	0.00

Aorta

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Aorta						
Numbers of rats examined	150					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Aorta						
Numbers of rats examined	150					

Heart

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Heart						
Numbers of rats examined	130					
Pigment	1	0.77	0.71	1.89	0.00	5.00
Mononuclear cell foci	18	13.85	13.97	9.59	0.00	25.00
Necrosis	8	6.15	6.19	6.58	0.00	15.00
Myofibrosis/necrosis	7	5.38	5.00	9.57	0.00	25.00
Myocarditis	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	2	1.54	1.43	3.78	0.00	10.00
Cardiomyopathy	8	6.15	5.05	8.74	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Heart						
Numbers of rats examined	130					
Pigment	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	10	7.69	7.14	11.50	0.00	30.00
Necrosis	0	0.00	0.00	0.00	0.00	0.00
Myofibrosis/necrosis	0	0.00	0.00	0.00	0.00	0.00
Myocarditis	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	3	2.31	2.38	3.02	0.00	6.67
Cardiomyopathy	1	0.77	0.71	1.89	0.00	5.00

Nasal Cavities

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal cavities						
Numbers of rats examined	69					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal cavities						
Numbers of rats examined	69					

Nasal Cavity, Level 1

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 1						
Numbers of rats examined	89					
Goblet cell proliferation	21	23.60	26.25	0.00	0.00	55.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 1						
Numbers of rats examined	88					
Goblet cell proliferation	20	22.73	23.17	0.00	0.00	50.00

Nasal Cavity, Level 2

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 2						
Numbers of rats examined	89					
Goblet cell proliferation	0	0.00	0.00	0.00	0.00	0.00
Hyaline inclusions	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 2						
Numbers of rats examined	88					
Goblet cell proliferation	1	1.14	1.25	2.50	0.00	5.00
Hyaline inclusions	1	1.14	1.25	2.50	0.00	5.00

Nasal Cavity, Level 3

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 3						
Numbers of rats examined	89					
Hyaline inclusions	0	0.00	0.00	0.00	0.00	0.00
Epithelial disorg.	1	1.12	1.25	2.50	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 3						
Numbers of rats examined	88					
Hyaline inclusions	4	4.55	5.00	7.07	0.00	15.00
Epithelial disorg.	1	1.14	1.25	2.50	0.00	5.00

Nasal Cavity, Level 4

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 4						
Numbers of rats examined	89					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasal Cavity, Level 4						
Numbers of rats examined	89					

Trachea

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Trachea						
Numbers of rats examined	150					
Distended glands	14	9.33	10.48	22.40	0.00	60.00
Mononuclear cell foci	2	1.33	1.90	5.04	0.00	13.33

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Trachea						
Numbers of rats examined	150					
Distended glands	12	8.00	8.81	20.52	0.00	55.00
	62	41.11	0.00	0.00	0.00	0.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00

Tracheal bifurcation, carina & mainstem bronchi

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Tracheal bifurction, carina &						
Numbers of rats examined	69					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Tracheal bifurction, carina &						
Numbers of rats examined	69					

Lungs

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Lungs						
Numbers of rats examined	150					
Osseous metaplasia	6	4.00	3.21	4.26	0.00	10.00
Congestion	1	0.67	0.71	1.89	0.00	5.00
Emphysema	1	0.67	0.36	0.94	0.00	2.50
Hemorrhage	4	2.67	4.27	8.42	0.00	22.22
Vascular mineralization	75	50.00	45.91	41.01	0.00	95.00
Hemosiderin-advent.	7	4.67	5.87	11.42	0.00	30.00
Hemosiderin: alveol.	1	0.67	0.71	1.89	0.00	5.00
Alveolar histiocytosis	58	38.67	39.04	26.55	0.00	70.00
Macrophage conglomeration	1	0.67	0.71	1.89	0.00	5.00
Mononuclear cell foci	4	2.67	2.50	3.82	0.00	10.00
Granulocytosis	0	0.00	0.00	0.00	0.00	0.00
Perivascular infiltr.	0	0.00	0.00	0.00	0.00	0.00
Granuloma	1	0.67	0.71	1.89	0.00	5.00
Alveolitis	6	4.00	3.05	3.05	0.00	7.50
Interstitial inflammation	0	0.00	0.00	0.00	0.00	0.00
Pleural inflammation	1	0.67	0.95	2.52	0.00	6.67
Medial hypertrophy	0	0.00	0.00	0.00	0.00	0.00
Pleural fibrosis	1	0.67	0.95	2.52	0.00	6.67

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Lungs						
Numbers of rats examined	150					
Osseous metaplasia	7	4.67	6.11	5.50	0.00	15.00
Congestion	1	0.67	0.55	1.45	0.00	3.85
Emphysema	5	3.33	3.57	9.45	0.00	25.00
Hemorrhage	2	1.33	3.17	8.40	0.00	22.22
Vascular mineralization	60	40.00	40.40	31.36	0.00	77.78
Hemosiderin-advent.	28	18.67	26.98	46.20	0.00	100.00
Hemosiderin: alveol.	0	0.00	0.00	0.00	0.00	0.00
Alveolar histiocytosis	64	42.67	44.37	29.11	0.00	85.00
Macrophage conglomeration	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	5	3.33	2.86	3.93	0.00	10.00
Granulocytosis	1	0.67	1.59	4.20	0.00	11.11
Perivascular infiltr.	1	0.67	0.71	1.89	0.00	5.00
Granuloma	2	1.33	2.30	4.31	0.00	11.11
Alveolitis	5	3.33	3.45	3.92	0.00	10.00
Interstitial inflammation	1	0.67	1.59	4.20	0.00	11.11
Pleural inflammation	0	0.00	0.00	0.00	0.00	0.00
Medial hypertrophy	1	0.67	0.71	1.89	0.00	5.00
Pleural fibrosis	0	0.00	0.00	0.00	0.00	0.00

Bronch. Alv. Fluid

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bronch. Alv. Fluid						
Numbers of rats examined	4					
Positivity	3	75.00	75.00	0.00	75.00	75.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bronch. Alv. Fluid						
Numbers of rats examined	4					
Positivity	3	75.00	75.00	0.00	75.00	75.00

Pituitary Gland

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Pituitary						
Numbers of rats examined	129					
Cyst(s)/clefts	18	13.95	12.29	9.52	0.00	26.92
Vacuolation	1	0.78	0.71	1.89	0.00	5.00
Hypertrophy	2	1.55	1.67	2.89	0.00	6.67
Hyperplasia	5	3.88	3.57	9.45	0.00	25.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Pituitary						
Numbers of rats examined	140					
Cyst(s)/clefts	9	6.43	5.62	4.23	0.00	10.00
Vacuolation	0	0.00	0.00	0.00	0.00	0.00
Hypertrophy	0	0.00	0.00	0.00	0.00	0.00
Hyperplasia	3	2.14	2.14	5.67	0.00	15.00
Fibrosis	1	0.71	0.71	1.89	0.00	5.00

Adrenal Cortex

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal Cortex						
Numbers of rats examined	150					
Accessory cortical tissue	0	0.00	0.00	0.00	0.00	0.00
Mineralization	0	0.00	0.00	0.00	0.00	0.00
Vacuolation	82	54.67	49.17	42.34	0.00	90.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	1	0.67	0.71	1.89	0.00	5.00
Focal hypertrophy	0	0.00	0.00	0.00	0.00	0.00
Hypertrophy, diffuse	1	0.67	0.71	1.89	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal Cortex						
Numbers of rats examined	150					
Accessory cortical tissue	3	2.00	2.26	4.97	0.00	13.33
Mineralization	1	0.67	0.95	2.52	0.00	6.67
Vacuolation	5	3.33	3.81	7.56	0.00	20.00
Mononuclear cell foci	3	2.00	2.02	2.80	0.00	6.67
Fibrosis	2	1.33	1.90	5.04	0.00	13.33
Focal hypertrophy	1	0.67	0.71	1.89	0.00	5.00
Hypertrophy, diffuse	0	0.00	0.00	0.00	0.00	0.00

Adrenal Medulla

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal medulla						
Numbers of rats examined	130					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Adrenal medulla						
Numbers of rats examined	130					

Thyroid Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Thyroid Glands						
Numbers of rats examined	130					
Thymic remnants	2	1.54	1.43	3.78	0.00	10.00
Ductal remnant	3	2.31	2.14	3.93	0.00	10.00
Mononuclear cell foci	1	0.77	0.95	2.52	0.00	6.67
Follicular cell hypertrophy	12	9.23	6.59	17.44	0.00	46.15
Follicular hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Thyroid Glands						
Numbers of rats examined	130					
Thymic remnants	1	0.77	0.71	1.89	0.00	5.00
Ductal remnant	5	3.85	3.57	4.76	0.00	10.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Follicular cell hypertrophy	2	1.54	1.10	2.91	0.00	7.69
Follicular hyperplasia	1	0.77	0.95	2.52	0.00	6.67

Parathyroid Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Parathyroid Glands						
Numbers of rats examined	150					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Parathyroid Glands						
Numbers of rats examined	150					

Pancreas

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Pancreas						
Numbers of rats examined	130					
Mononuclear cell foci	5	3.85	3.57	5.56	0.00	15.00
Exocrine atrophy	9	6.92	7.14	8.09	0.00	20.00
Inflammation	1	0.77	0.55	1.45	0.00	3.85
Pigment macrophages	2	1.54	1.43	3.78	0.00	10.00
Fibrosis	2	1.54	1.43	3.78	0.00	10.00
Incr.dense bodies	1	0.77	0.71	1.89	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Pancreas						
Numbers of rats examined	129					
Mononuclear cell foci	2	1.55	1.43	2.44	0.00	5.00
Exocrine atrophy	6	4.65	4.52	6.14	0.00	15.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Pigment macrophages	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Incr.dense bodies	0	0.00	0.00	0.00	0.00	0.00

Liver

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Liver						
Numbers of rats examined	126					
Hepatodiaphragmatic nodule	0	0.00	0.00	0.00	0.00	0.00
Lobe torsion	0	0.00	0.00	0.00	0.00	0.00
Congestion	1	0.79	0.55	1.45	0.00	3.85
Increased glycogen deposits	29	23.02	17.09	32.51	0.00	84.62
Fatty change	44	34.92	38.19	25.52	0.00	80.00
Vacuolization	1	0.79	0.55	1.45	0.00	3.85
Hemosiderin	0	0.00	0.00	0.00	0.00	0.00
Pigment deposition	2	1.59	1.43	3.78	0.00	10.00
Kupffer cell pigmentation	0	0.00	0.00	0.00	0.00	0.00
Extramedullary hemopoiesis	3	2.38	2.14	3.93	0.00	10.00
Mononuclear foci	12	9.52	8.57	22.68	0.00	60.00
Inflammatory cell foci	52	41.27	46.90	37.38	0.00	95.00
Peribiliar inflam.	1	0.79	2.86	7.56	0.00	20.00
Bile duct Prolifer.	3	2.38	2.14	3.93	0.00	10.00
Hepatocellular hypertrophy	3	2.38	2.62	5.08	0.00	13.33
Hematopoiesis	4	3.17	3.81	10.08	0.00	26.67
Clear cell foci	1	0.79	0.71	1.89	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Liver						
Numbers of rats examined	126					
Hepatodiaphragmatic nodule	1	0.79	0.71	1.89	0.00	5.00
Lobe torsion	1	0.79	0.71	1.89	0.00	5.00
Congestion	1	0.79	0.55	1.45	0.00	3.85
Increased glycogen deposits	20	15.87	10.99	29.07	0.00	76.92
Fatty change	40	31.75	36.89	28.88	6.67	80.00
Vacuolization	1	0.79	0.55	1.45	0.00	3.85
Hemosiderin	5	3.97	8.57	15.74	0.00	40.00
Pigment deposition	3	2.38	2.62	5.08	0.00	13.33
Kupffer cell pigmentation	1	0.79	0.71	1.89	0.00	5.00
Extramedullary hemopoiesis	11	8.73	7.86	9.06	0.00	20.00
Mononuclear foci	3	2.38	2.14	5.67	0.00	15.00
Inflammatory cell foci	61	48.41	50.48	40.19	0.00	95.00
Peribiliar inflam.	0	0.00	0.00	0.00	0.00	0.00
Bile duct Prolifer.	12	9.52	8.57	14.92	0.00	40.00
Hepatocellular hypertrophy	4	3.17	3.10	4.13	0.00	10.00
Hematopoiesis	2	1.59	1.90	5.04	0.00	13.33
Clear cell foci	0	0.00	0.00	0.00	0.00	0.00

Esophagus

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Esophagus						
Numbers of rats examined	141					
Food remnants	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Esophagus						
Numbers of rats examined	141					
Food remnants	1	0.71	0.83	2.04	0.00	5.00

Stomach

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Stomach						
Numbers of rats examined	130					
Epidermal cysts	2	1.54	1.43	2.44	0.00	5.00
Glandular cyst	1	0.77	0.71	1.89	0.00	5.00
Squamous islets	0	0.00	0.00	0.00	0.00	0.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Lymphoid follicles	8	6.15	6.19	6.58	0.00	15.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Hyaline inclusions glandular mucosa	12	9.23	9.29	9.32	0.00	20.00
Increased inflammatory cells	8	6.15	5.95	8.38	0.00	20.00
Erosion/ulceration	1	0.77	0.71	1.89	0.00	5.00
Hyperkeratosis	1	0.77	0.71	1.89	0.00	5.00
Epithelial vacuolation/ limiting ridge	12	9.23	8.81	10.22	0.00	30.00
Basal cell hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Epithelial hyperplasia	1	0.77	0.71	1.89	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Stomach						
Numbers of rats examined	130					
Epidermal cysts	0	0.00	0.00	0.00	0.00	0.00
Glandular cyst	0	0.00	0.00	0.00	0.00	0.00
Squamous islets	1	0.77	0.71	1.89	0.00	5.00
Congestion	1	0.77	0.95	2.52	0.00	6.67
Lymphoid follicles	1	0.77	0.71	1.89	0.00	5.00
Mononuclear cell foci	2	1.54	1.43	3.78	0.00	10.00
Hyaline inclusions glandular mucosa	0	0.00	0.00	0.00	0.00	0.00
Increased inflammatory cells	8	6.15	5.71	9.76	0.00	20.00
Erosion/ulceration	0	0.00	0.00	0.00	0.00	0.00
Hyperkeratosis	2	1.54	1.43	2.44	0.00	5.00
Epithelial vacuolation/ limiting ridge	5	3.85	3.57	4.76	0.00	10.00
Basal cell hyperplasia	1	0.77	0.71	1.89	0.00	5.00
Epithelial hyperplasia	1	0.77	0.71	1.89	0.00	5.00

Duodenum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Duodenum						
Numbers of rats examined	150					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Duodenum						
Numbers of rats examined	150					

Jejunum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Jejunum						
Numbers of rats examined	149					
Mineralization	1	0.67	1.02	2.70	0.00	7.14

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Jejunum						
Numbers of rats examined	149					
Mineralization	4	2.68	4.08	10.80	0.00	28.57

Ileum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Ileum						
Numbers of rats examined	150					
Lymphoid hyperplasia	9	6.00	8.57	22.68	0.00	60.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Ileum						
Numbers of rats examined	150					
Lymphoid hyperplasia	5	3.33	4.76	12.60	0.00	33.33

Peyer's Patches

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Peyer's patches						
Numbers of rats examined	41					
Macrophage conglom.	0	0.00	0.00	0.00	0.00	0.00
Granuloma	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Peyer's patches						
Numbers of rats examined	41					
Macrophage conglom.	0	0.00	0.00	0.00	0.00	0.00
Granuloma	0	0.00	0.00	0.00	0.00	0.00

Cecum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cecum						
Numbers of rats examined	150					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cecum						
Numbers of rats examined	150					

Colon

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Colon						
Numbers of rats examined	130					
Nematodes in lumen	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Colon						
Numbers of rats examined	130					
Nematodes in lumen	2	1.54	1.43	2.44	0.00	5.00

Rectum

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Rectum						
Numbers of rats examined	130					
Nematodes in lumen	4	3.08	2.69	3.85	0.00	10.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Rectum						
Numbers of rats examined	130					
Nematodes in lumen	3	2.31	2.14	3.93	0.00	10.00

Salivary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Salivary glands						
Numbers of rats examined	130					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Salivary glands						
Numbers of rats examined	130					

Parotid Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Parotid salivary glands						
Numbers of rats examined	101					
Ectopic salivary gland foci	0	0.00	0.00	0.00	0.00	0.00
Basophilic acini	7	6.93	7.00	8.37	0.00	20.00
Mononuclear foci	4	3.96	4.00	6.52	0.00	15.00
Inflammation	1	0.99	1.33	2.98	0.00	6.67
Atrophy	0	0.00	0.00	0.00	0.00	0.00
Acinar hypertrophy	1	0.99	1.00	2.24	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Parotid salivary glands						
Numbers of rats examined	101					
Ectopic salivary gland foci	9	8.91	9.67	10.43	0.00	25.00
Basophilic acini	14	13.86	14.00	18.51	0.00	45.00
Mononuclear foci	3	2.97	3.00	4.47	0.00	10.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Atrophy	1	0.99	1.00	2.24	0.00	5.00
Acinar hypertrophy	0	0.00	0.00	0.00	0.00	0.00

Sublingual Salivary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Sublingual salivary glands						
Numbers of rats examined	130					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Sublingual salivary glands						
Numbers of rats examined	129					

Submandibular Salivary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Submand. salivary glands						
Numbers of rats examined	130					
Diffuse hypertrophy of mucus acine	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Submand. salivary glands						
Numbers of rats examined	130					
Diffuse hypertrophy of mucus acine	0	0.00	0.00	0.00	0.00	0.00

Urinary Bladder

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Urinary Bladder						
Numbers of rats examined	130					
Distension	2	1.54	1.10	2.91	0.00	7.69
Mononuclear cell foci	4	3.08	3.33	5.00	0.00	13.33

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Urinary Bladder						
Numbers of rats examined	129					
Distension	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	1	0.78	0.95	2.52	0.00	6.67

Ureters.

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Ureters						
Numbers of rats examined	20					

Ureters.

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Ureters						
Numbers of rats examined	20					

Kidneys

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Kidneys						
Numbers of rats examined	131					
Cortical mineralization	19	14.50	13.57	16.79	0.00	40.00
Pelvic mineralization	2	1.53	1.39	2.38	0.00	5.00
Pelvic dilation	8	6.11	5.52	5.69	0.00	14.29
Cortical cyst	0	0.00	0.00	0.00	0.00	0.00
Hyaline inclusion	56	42.75	41.19	41.35	0.00	100.00
Lipofuscin	0	0.00	0.00	0.00	0.00	0.00
Tubular dilation	2	1.53	1.43	2.44	0.00	5.00
Tubular basophilia	21	16.03	15.75	12.36	0.00	28.57
Tubular cell swelling	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	30	22.90	23.37	28.81	0.00	66.67
Pyelitis	5	3.82	3.50	3.65	0.00	9.52
Tubular hypertrophy	0	0.00	0.00	0.00	0.00	0.00
Pyelonephritis	2	1.53	1.43	3.78	0.00	10.00
Urothelial hyperplasia	1	0.76	0.68	1.80	0.00	4.76
Tubular carcinoma	0	0.00	0.00	0.00	0.00	0.00
Tubular casts	2	1.53	1.43	2.44	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Kidneys						
Numbers of rats examined	132					
Cortical mineralization	56	42.42	42.42	41.66	0.00	93.33
Pelvic mineralization	10	7.58	8.20	11.89	0.00	33.33
Pelvic dilation	7	5.30	4.25	7.50	0.00	18.18
Cortical cyst	1	0.76	0.71	1.89	0.00	5.00
Hyaline inclusion	0	0.00	0.00	0.00	0.00	0.00
Lipofuscin	14	10.61	10.00	26.46	0.00	70.00
Tubular dilation	0	0.00	0.00	0.00	0.00	0.00
Tubular basophilia	5	3.79	3.74	5.66	0.00	15.00
Tubular cell swelling	1	0.76	0.71	1.89	0.00	5.00
Mononuclear cell foci	12	9.09	9.46	11.03	0.00	26.67
Pyelitis	5	3.79	3.81	4.88	0.00	10.00
Tubular hypertrophy	1	0.76	0.71	1.89	0.00	5.00
Pyelonephritis	0	0.00	0.00	0.00	0.00	0.00
Urothelial hyperplasia	4	3.03	3.10	5.81	0.00	15.00
Tubular carcinoma	1	0.76	0.71	1.89	0.00	5.00
Tubular casts	11	8.33	8.20	7.24	0.00	20.00

Skin and Subcutis

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Skin						
Numbers of rats examined	133					
Inclusion cyst	1	0.75	0.71	1.89	0.00	5.00
Intramuscular edema	0	0.00	0.00	0.00	0.00	0.00
Adnexal atrophy	7	5.26	6.67	17.64	0.00	46.67
Auricular chondropatty	4	3.01	2.58	4.98	0.00	13.04
Inflammation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Skin						
Numbers of rats examined	130					
Inclusion cyst	0	0.00	0.00	0.00	0.00	0.00
Intramuscular edema	1	0.77	0.71	1.89	0.00	5.00
Adnexal atrophy	7	5.38	6.67	17.64	0.00	46.67
Auricular chondropatty	3	2.31	2.14	3.93	0.00	10.00
Inflammation	1	0.77	0.55	1.45	0.00	3.85

Testes

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Testes						
Numbers of rats examined	131					
Tubular degeneration	8	6.11	5.61	7.17	0.00	15.00

Epididymides

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Epididymides						
Numbers of rats examined	95					
Epithelial vacuolation	14	14.74	14.00	15.57	0.00	35.00
Mononuclear cell foci	2	2.11	2.00	4.47	0.00	10.00

Prostate

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Prostate						
Numbers of rats examined	130					
Mononuclear cell foci	1	0.77	0.71	1.89	0.00	5.00
Inflammation	4	3.08	2.86	5.67	0.00	15.00

Seminal Vesicles

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Seminal Vesicles						
Numbers of rats examined	95					
Congestion	1	1.05	1.00	2.24	0.00	5.00

Mammary Glands

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Mammary glands						
Numbers of rats examined	122					
Secretion	1	0.82	1.19	3.15	0.00	8.33
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Glandular hyperplasia	1	0.82	1.19	3.15	0.00	8.33

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Mammary glands						
Numbers of rats examined	130					
Secretion	1	0.77	0.71	1.89	0.00	5.00
Inflammation	1	0.77	0.71	1.89	0.00	5.00
Glandular hyperplasia	1	0.77	0.71	1.89	0.00	5.00

Ovaries

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Ovaries						
Numbers of rats examined	130					
Cyst(s)	2	1.54	1.43	3.78	0.00	10.00
Bursa dilation	1	0.77	0.71	1.89	0.00	5.00
Congestion	1	0.77	0.71	1.89	0.00	5.00
Atrophy	9	6.92	6.43	11.80	0.00	30.00
Stromal cell hyperplasia	1	0.77	0.55	1.45	0.00	3.85
Sertoli`s hyperplasia	1	0.77	0.71	1.89	0.00	5.00

Oviducts

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

Uterus

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Uterus						
Numbers of rats examined	128					
Cornual dilation	20	15.63	25.13	34.53	0.00	100.00
Peritonitis	1	0.78	0.57	1.51	0.00	4.00

Cervix

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Cervix						
Numbers of rats examined	69					

Vagina

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Vagina						
Numbers of rats examined	121					
Anestrus	1	0.83	0.83	2.04	0.00	5.00
Proestrus	18	14.88	16.11	10.04	0.00	26.67
Estrus	24	19.83	21.39	12.97	0.00	35.00
Metestrus	24	19.83	20.56	16.08	0.00	45.00
Diestrus	28	23.14	24.44	12.46	0.00	35.00
Mucification	4	3.31	3.33	6.06	0.00	15.00
Mucosal degeneration	1	0.83	0.83	2.04	0.00	5.00

Bone Marrow

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone Marrow						
Numbers of rats examined	90					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone Marrow						
Numbers of rats examined	90					

Bone Marrow - Sternal

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone Marrow – sternal						
Numbers of rats examined	115					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone Marrow – sternal						
Numbers of rats examined	115					

Bone Marrow - Femur

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone Marrow – femur						
Numbers of rats examined	61					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone Marrow – femur						
Numbers of rats examined	61					

Mesentric Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Mesentric Lymph Nodes						
Numbers of rats examined	121					
Pigment deposition	7	5.79	5.83	14.29	0.00	35.00
Hemosiderin	0	0.00	0.00	0.00	0.00	0.00
Sinusoidal dilation	2	1.65	1.67	4.08	0.00	10.00
Angiectasis	0	0.00	0.00	0.00	0.00	0.00
Mastocytosis	26	21.49	21.67	25.63	0.00	60.00
Histiocytosis	37	30.58	30.83	48.00	0.00	100.00
Granuloma	1	0.83	0.83	2.04	0.00	5.00
Lymphoid hyperplasia	65	53.72	56.39	32.38	0.00	100.00
Stromal proliferation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Mesentric Lymph Nodes						
Numbers of rats examined	121					
Pigment deposition	1	0.83	0.83	2.04	0.00	5.00
Hemosiderin	2	1.65	1.94	3.06	0.00	6.67
Sinusoidal dilation	2	1.65	1.67	2.58	0.00	5.00
Angiectasis	1	0.83	1.11	2.72	0.00	6.67
Mastocytosis	27	22.31	22.50	28.24	0.00	60.00
Histiocytosis	36	29.75	30.00	46.90	0.00	100.00
Granuloma	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	65	53.72	55.83	33.83	0.00	100.00
Stromal proliferation	1	0.83	1.11	2.72	0.00	6.67

Mandibular Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Mandibular Lymph Nodes						
Numbers of rats examined	120					
Congestion	3	2.50	2.50	6.12	0.00	15.00
Pigment depositions	13	10.83	11.05	17.66	0.00	40.00
Hemosiderin	17	14.17	16.11	24.98	0.00	50.00
Sinusoidal dilation	1	0.83	0.83	2.04	0.00	5.00
Plasmacytosis	78	65.00	69.87	36.54	0.00	100.00
Lymphoid hyperplasia	49	40.83	44.34	37.87	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Mandibular Lymph Nodes						
Numbers of rats examined	121					
Congestion	2	1.65	1.67	4.08	0.00	10.00
Pigment depositions	17	14.05	14.17	24.58	0.00	60.00
Hemosiderin	22	18.18	21.39	33.64	0.00	73.33
Sinusoidal dilation	2	1.65	1.67	4.08	0.00	10.00
Plasmacytosis	80	66.12	70.83	38.52	0.00	100.00
Lymphoid hyperplasia	52	42.98	45.83	34.27	0.00	95.00

Mediastinal Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Mediastinal lymph Node						
Numbers of rats examined	70					
Congestion	3	4.29	3.63	4.58	0.00	9.52
Mastocytosis	1	1.43	1.25	2.50	0.00	5.00
Hemosiderin	42	60.00	51.85	36.59	0.00	80.00
Lymphoid hyperplasia	27	38.57	33.21	22.54	0.00	50.00
Sinusoidal dilation	2	2.86	2.44	2.82	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Mediastinal lymph Node						
Numbers of rats examined	79					
Congestion	5	6.33	5.00	5.77	0.00	10.00
Mastocytosis	0	0.00	0.00	0.00	0.00	0.00
Hemosiderin	53	67.09	58.33	40.21	0.00	85.00
Lymphoid hyperplasia	15	18.99	16.25	11.09	0.00	25.00
Sinusoidal dilation	0	0.00	0.00	0.00	0.00	0.00

Axillary Lymph Node

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Axillary Lymph Node						
Numbers of rats examined	15					
Hemosiderin	0	0.00	0.00	0.00	0.00	0.00
Plasmacytosis	12	80.00	80.00	0.00	80.00	80.00
Lymphoid hyperplasia	11	73.33	73.33	0.00	73.33	73.33

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Axillary Lymph Node						
Numbers of rats examined	15					
Hemosiderin	10	66.67	66.67	0.00	66.67	66.67
Plasmacytosis	12	80.00	80.00	0.00	80.00	80.00
Lymphoid hyperplasia	6	40.00	40.00	0.00	40.00	40.00

Tracheobronchial Lymph Nodes

(gross lesions only)

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Tracheobronchial lymph nodes						
Numbers of rats examined	5					
Hemosiderin	2	40.00	40.00	0.00	40.00	40.00
Lymphoid hyperplasia	2	40.00	40.00	0.00	40.00	40.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Tracheobronchial lymph nodes						
Numbers of rats examined	5					
Hemosiderin	3	60.00	60.00	0.00	60.00	60.00
Lymphoid hyperplasia	2	40.00	40.00	0.00	40.00	40.00

Other Lymph Nodes

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Other Lymph Nodes						
Numbers of rats examined	12					
Hemosiderin	1	8.33	8.33	0.00	8.33	8.33
Plasmacytosis	6	50.00	50.00	0.00	50.00	50.00
Lymphoid hyperplasia	7	58.33	58.33	0.00	58.33	58.33

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Other Lymph Nodes						
Numbers of rats examined	15					
Hemosiderin	11	73.33	73.33	0.00	73.33	73.33
Plasmacytosis	8	53.33	53.33	0.00	53.33	53.33
Lymphoid hyperplasia	4	26.67	26.67	0.00	26.67	26.67

Thymus

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Thymus						
Numbers of rats examined	141					
Cyst(s)	21	14.89	15.83	10.21	0.00	30.00
Congestion	9	6.38	5.92	3.85	0.00	10.00
Hemorrhage	1	0.71	0.64	1.57	0.00	3.85
Involution/ Atrophy	68	48.23	57.92	43.49	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Thymus						
Numbers of rats examined	140					
Cyst(s)	63	45.00	50.21	27.30	3.85	75.00
Congestion	3	2.14	2.50	4.18	0.00	10.00
Hemorrhage	3	2.14	1.92	4.71	0.00	11.54
Involution/ Atrophy	66	47.14	57.39	45.40	0.00	100.00

Spleen

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Spleen						
Numbers of rats examined	123					
Extramed. hematopoiesis	94	76.42	70.71	48.34	0.00	100.00
Hemosiderin pigment	94	76.42	70.71	48.34	0.00	100.00
Increased erythropoiesis	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	20	16.26	14.29	37.80	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Spleen						
Numbers of rats examined	122					
Extramed. hematopoiesis	90	73.77	67.86	47.25	0.00	100.00
Hemosiderin pigment	95	77.87	71.43	48.80	0.00	100.00
Increased erythropoiesis	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	20	16.39	14.29	37.80	0.00	100.00

Tongue

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Tongue						
Numbers of rats examined	69					
Atrophy	3	4.35	3.75	7.50	0.00	15.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Tongue						
Numbers of rats examined	69					
Atrophy	0	0.00	0.00	0.00	0.00	0.00

Joint - Femorotibial

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Joint – femorotibial						
Number of rats examined	110					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Joint – femorotibial						
Number of rats examined	110					

Bone (Femur, Sternum, Others)

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone						
Number of rats examined	115					
Chondromucinous degen.	27	23.48	27.00	41.77	0.00	95.00
Bone cyst	1	0.87	1.00	2.24	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Bone						
Number of rats examined	115					
Chondromucinous degen.	37	32.17	37.00	50.70	0.00	95.00
Bone cyst	0	0.00	0.00	0.00	0.00	0.00

Skeletal Muscle

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Skeletal Muscle						
Numbers of rats examined	130					
Mononuclear cell foci	5	3.85	3.41	5.53	0.00	15.00
Atrophy	1	0.77	0.71	1.89	0.00	5.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Skeletal Muscle						
Numbers of rats examined	128					
Mononuclear cell foci	2	1.56	1.47	2.51	0.00	5.26
Atrophy	1	0.78	0.71	1.89	0.00	5.00

Body Cavities

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Body cavities						
Numbers of rats examined	2					
Fat necrosis	1	50.00	50.00	70.71	0.00	100.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Body cavities						
Numbers of rats examined	1					
Fat necrosis	1	100.00	100.00	0.00	100.00	100.00

Larynx

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx						
Numbers of rats examined	89					

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx						
Numbers of rats examined	89					

Larynx, Level 2

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 2						
Numbers of rats examined	84					
Dissecated secretion	6	7.14	8.82	8.50	0.00	20.00
Mineralization	1	1.19	0.63	1.25	0.00	2.50
Mononuclear cell foci	6	7.14	3.75	7.50	0.00	15.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 2						
Numbers of rats examined	84					
Dissecated secretion	7	8.33	11.28	10.28	0.00	20.00
Mineralization	5	5.95	5.03	7.07	0.00	15.00
Mononuclear cell foci	1	1.19	0.64	1.28	0.00	2.56
Inflammation	1	1.19	0.64	1.28	0.00	2.56

Larynx, Level 3

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 3						
Numbers of rats examined	84					
Dissecated secretion	17	20.24	15.20	10.81	0.00	25.00
Mineralization	5	5.95	3.75	4.79	0.00	10.00
Mononuclear cell foci	16	19.05	16.32	11.00	5.26	30.00
Inflammation, ventral glands	3	3.57	3.95	7.89	0.00	15.79
Granuloma	0	0.00	0.00	0.00	0.00	0.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Respiratory hyperpl.	1	1.19	5.00	10.00	0.00	20.00

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 3						
Numbers of rats examined	84					
Dissecated secretion	20	23.81	20.74	18.50	0.00	45.00
Mineralization	8	9.52	6.35	7.65	0.00	15.38
Mononuclear cell foci	9	10.71	5.77	11.54	0.00	23.08
Inflammation, ventral glands	0	0.00	0.00	0.00	0.00	0.00
Granuloma	1	1.19	0.64	1.28	0.00	2.56
Inflammation	1	1.19	0.64	1.28	0.00	2.56
Respiratory hyperpl.	0	0.00	0.00	0.00	0.00	0.00

Larynx, Level 4

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 4						
Numbers of rats examined	39					
Mononuclear cell foci	12	30.77	30.77	0.00	30.77	30.77

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 4						
Numbers of rats examined	35					
Mononuclear cell foci	16	45.71	45.71	0.00	45.71	45.71

Larynx, Level 5

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 5						
Numbers of rats examined	37					
Mononuclear cell foci	18	48.65	48.65	0.00	48.65	48.65
Inflammation glandular	1	2.70	2.70	0.00	2.70	2.70

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 5						
Numbers of rats examined	36					
Mononuclear cell foci	11	30.56	30.56	0.00	30.56	30.56
Inflammation glandular	1	2.78	2.78	0.00	2.78	2.78

Larynx, Level 6

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 6						
Numbers of rats examined	69					
Squamoid epithelium	29	42.03	38.68	10.95	25.00	50.00
Mononuclear cell foci	9	13.04	6.25	12.50	0.00	25.00
Inflammatory cell foci	0	0.00	0.00	0.00	0.00	0.00
Granuloma	1	1.45	0.69	1.39	0.00	2.78
Inflammation	2	2.90	2.17	2.80	0.00	5.88
Squamous metaplasia	3	4.35	2.08	4.17	0.00	8.33

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Larynx, Level 6						
Numbers of rats examined	77					
Squamoid epithelium	40	51.95	39.69	27.64	0.00	61.11
Mononuclear cell foci	6	7.79	4.86	6.56	0.00	13.89
Inflammatory cell foci	1	1.30	1.39	2.78	0.00	5.56
Granuloma	0	0.00	0.00	0.00	0.00	0.00
Inflammation	2	2.60	1.39	2.78	0.00	5.56
Squamous metaplasia	4	5.19	3.40	4.12	0.00	8.33

Nasopharyngeal Duct

Males	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasopharyngeal Duct						
Numbers of rats examined	89					
Foreign particles	0	0.00	0.00	0.00	0.00	0.00
Goblet cell prolifleration	1	1.12	1.25	2.50	0.00	5.00
Hemorrhage	4	4.49	4.38	7.18	0.00	15.00
Foreign body induced hyperplasia	1	1.12	0.63	1.25	0.00	2.50

Females	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Nasopharyngeal Duct						
Numbers of rats examined	89					
Foreign particles	1	1.12	1.25	2.50	0.00	5.00
	5	5.62	0.00	0.00	0.00	0.00
Goblet cell prolifleration	0	0.00	0.00	0.00	0.00	0.00
	0	0.00	0.10	0.32	0.00	1.00
Hemorrhage	1	1.12	1.25	2.50	0.00	5.00
	5	5.62	0.00	0.00	0.00	0.00
Foreign body induced hyperplasia	0	0.00	0.00	0.00	0.00	0.00