Final 2 - Data Changes through 12-15-17 GSM Rats Core Only

NTP Study Number:	C20105
Lock Date:	12/29/2015
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	25022 ACCK 25021 TSAC 25020 NATD 25019 MSAC
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	3.0.2.3_002
PWG Approval Date:	NONE

DAY ON TEST	0642	0732	0590	0294	0655	0681	0691	0580	0440	0527	0541	0654	0730	0677	0733	0498	0563	0552	0719	0733	0734	0565	0731	0715	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00501	00502	00503	00504	00506	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00527	00529	00530	00533	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																								4		
Hyperplasia																										
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	A	+	
Edema																		1								
Erosion																										
Inflammation, Acute																3										
Inflammation, Chronic Active																										
Ulcer			1													3										
Artery, Inflammation, Chronic Active		3	1					2								3		2				2				
Artery, Mineral																										
Epithelium, Regeneration			2																							
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	
Erosion																										
Inflammation, Acute																										
Ulcer																										
Artery, Inflammation, Chronic Active		3	1					2																		
Artery, Mineral						2																				
Epithelium, Regeneration																										
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	
Edema																										
Erosion																										
Hyperplasia, Lymphocyte																										
Inflammation, Acute																										
Artery, Inflammation, Chronic Active																						1				

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1) Minimal 3) Moderate
2) Mild 4) Marked

HARLAN SPRAGUE DAWLEY RATS MALE
0.0W/kg(GSM)chr

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ANIMAL ID	00501	00502	00503	00504	00506	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00527	00529	00530	00533	**males (cont...)**
Epithelium, Regeneration																2										
Intestine Small, Duodenum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	
Erosion																										
Ulcer														3												
Intestine Small, Ileum	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	
Artery, Inflammation, Chronic Active		3																								
Epithelium, Regeneration																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	A	+	A	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Basophilic Focus														X												
Clear Cell Focus									X				X	X												
Eosinophilic Focus																	X	X	X							
Extramedullary Hematopoiesis					2				1		1															
Hepatodiaphragmatic Nodule																										
Infiltration Cellular, Mixed Cell							1																			
Mixed Cell Focus					X		X								X			X		X	X		X			
Artery, Inflammation, Chronic Active																										
Artery, Mineral																										
Bile Duct, Cyst																				X	X					
Bile Duct, Hyperplasia	1	1		1						1	1		1						1	1	1		1			
Hepatocyte, Degeneration																										
Hepatocyte, Necrosis												2														
Hepatocyte, Vacuolation, Cytoplasmic	1					1	1												1							
Kupffer Cell, Pigment											2															

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0.0W/kg(GSM)chr ANIMAL ID	00501	00502	00503	00504	00506	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00527	00529	00530	00533	**males (cont...)**
Periductal, Cholangiofibrosis																										
Mesentery		+	+			+		+								+	+	+				+				
Hemorrhage																		3								
Inflammation, Chronic																1										
Necrosis																										
Neovascularization																										
Artery, Inflammation, Chronic Active		2	2			2		2								2		2				1				
Artery, Mineral			2			3										2	2	2				2				
Vein, Degeneration																										
Vein, Inflammation, Chronic Active																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Thrombus																										
Acinus, Atrophy						1		2																		
Acinus, Hyperplasia		3	1		4		1						2	3	3	1	3	1	3		3	4		3	2	
Artery, Inflammation, Chronic Active		3	1			2		3					2			4		2	2	2	3			2	2	
Artery, Mineral								2									2					2				
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active		3																	3							
Artery, Mineral																										
Duct, Parotid Gland, Dilation																										
Duct, Parotid Gland, Inflammation, Acute																										
Parotid Gland, Atrophy	3	2				2					3								2							
Parotid Gland, Inflammation, Acute																										
Parotid Gland, Vacuolation, Cytoplasmic																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS MALE																									
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Edema							2				2															
Inflammation, Acute																										
Inflammation, Chronic Active	3										1			3												
Mineral																										
Ulcer	2						2																			
Epithelium, Hyperplasia	4						2				3			4												
Epithelium, Hyperplasia, Atypical																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	
Erosion											2															
Inflammation, Acute																										
Inflammation, Chronic Active																										
Mineral			3			3		3								2		3				3				
Artery, Inflammation, Chronic Active		3																								
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral			2			3		3								3		2				2				
Blood Vessel																										
Mineral																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1	2	2	1	3	4	1	4				1	1	1	2	3	2	3	1	1		3	1	1	1	
Congestion																						3				
Thrombus																										
Artery, Mineral			2			3		4										2				3				
Atrium, Dilation																										
Atrium, Thrombus																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
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Atrium, Myocardium, Hypertrophy																										
Myocardium, Mineral						2		2																		
Myocardium, Necrosis																										
Valve, Inflammation, Chronic Active																										
Ventricle Right, Cardiomyopathy		1	1	1	2	1	1	1					1		1	1	1	1	1	1			1			
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																										
Degeneration																								1		
Hyperplasia	1	1	2			1		1					2	2	2	2	1			2		1		2	1	
Hypertrophy	1										3		1			2				1		2	2	1	2	
Necrosis		4				1													2							
Thrombus																										
Vacuolation, Cytoplasmic					1	1	2						2					1	2							
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2		2			1	1	1	1						1			4	4	3	3	2		2	1	
Thrombus																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					1						2														2	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	I	+	+	+	
Hyperplasia		3	4		1	2		2								3	3	3	4		3			3		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Craniopharyngeal Duct, Cyst		X																								
Pars Distalis, Cyst																			X							

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DAY ON TEST	064	073	059	029	065	068	069	058	044	052	054	065	073	067	073	049	056	055	071	073	073	056	073	071	073	
HARLAN SPRAGUE DAWLEY RATS MALE	42	32	90	94	55	81	91	80	40	27	41	54	30	77	33	98	63	52	19	33	34	65	31	15	31	
0.0W/kg(GSM)chr ANIMAL ID	00501	00502	00503	00504	00506	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00527	00529	00530	00533	**males (cont...)**
Pars Distalis, Hyperplasia		2	2				2						2	4												
Pars Intermedia, Angiectasis																										
Pars Intermedia, Cyst						X												X								
Pars Intermedia, Hyperplasia						3																				
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia		1	1						1																	
Follicle, Hyperplasia, Cystic																										
GENERAL BODY SYSTEM																										
Tissue NOS																										
Abdominal, Fat, Hemorrhage																										
Fat, Necrosis																										
GENITAL SYSTEM																										
Bulbourethral Gland																										
Ductus Deferens														+												
Granuloma														4												
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell		2	3			3	1	2			2			1		4	3	3	1	1	1	2		1		
Granuloma Sperm																										
Hypospermia		4	3		4	3		2								4			4							
Artery, Inflammation, Chronic Active			2																							
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy								2																		

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HARLAN SPRAGUE DAWLEY RATS MALE	2	2	0	4	5	1	1	0	0	7	1	4	0	7	3	8	3	2	9	3	4	5	1	5	1	
0.0W/kg(GSM)chr ANIMAL ID	00501	00502	00503	00504	00506	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00527	00529	00530	00533	**males (cont...)**
Hyperplasia																										
Inflammation, Granulomatous													4													
Inflammation, Acute																										
Inflammation, Chronic Active	3	2	2		2	2		2			2	2			3	2			2			2	2		2	
Artery, Inflammation, Chronic Active																										
Duct, Dilation	3	2	2		2	3	2				3			3				3	1	3	4	2	4		3	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid						2																				
Hemorrhage																										
Infiltration Cellular, Mononuclear Cell											2															
Inflammation, Acute																										
Inflammation, Chronic Active		1		1				1												1						
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia					1															1						
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid		2	3			4	3	2			3						3	2	4							
Hemorrhage																										
Inflammation, Acute																										
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia																										
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Inflammation, Chronic Active																										
Pigment											1															
Artery, Inflammation, Chronic Active		4	2			3		2					3				3		3	3	3			3	3	
Germ Cell, Degeneration		3	3		3	2	2	2			1					3	1	2	3			2		1		

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Interstitial Cell, Hyperplasia	1																								
Rete Testis, Dilation					2																				
Seminiferous Tubule, Dilation																									
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hypercellularity		1						1	1			4											1		
Lymph Node		+				+						+				+		+	+	+	+				
Iliac, Erythrophagocytosis																			1						
Iliac, Hyperplasia, Lymphocyte																									
Iliac, Infiltration Cellular, Histiocyte																									
Iliac, Proliferation, Plasma Cell																									
Iliac, Lymphatic Sinus, Ectasia																			1	2					
Lumbar, Erythrophagocytosis																									
Lymphatic Sinus, Mediastinal, Ectasia																									
Mediastinal, Erythrophagocytosis		2																2	3		2				
Mediastinal, Hemorrhage												3													
Pancreatic, Erythrophagocytosis						2																			
Pancreatic, Hemorrhage												2													
Pancreatic, Hyperplasia, Lymphocyte																									
Renal, Erythrophagocytosis																3			2						
Renal, Proliferation, Plasma Cell																			2						
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphocyte	1	2			1						3		2	2						1	3		2		1
Infiltration Cellular, Polymorphonuclear																								2	
Proliferation, Plasma Cell	2	1									2	2	3						2		2		2		1
Lymphatic Sinus, Ectasia						2					2			3				1	2						

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HARLAN SPRAGUE DAWLEY RATS MALE

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Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis		1	2				1									1	2		3					1		
Hyperplasia, Lymphocyte																					1					
Infiltration Cellular, Histiocyte																										
Infiltration Cellular, Polymorphonuclear								2								2										
Lymphocyte, Depletion																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Developmental Malformation																										
Extramedullary Hematopoiesis				1	2			1	2				1	1	1					2	2		2		2	
Hyperplasia, Lymphocyte		1																								
Pigment	2	2	2	1		3	3			3					1	2	2	2		2	1	2	1	2	3	
Arteriole, Mineral																						2				
Red Pulp, Atrophy	2					2	1												2			2		2		
White Pulp, Atrophy						2										3	2		3			2		1		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	
Atrophy	1	3	4		1	4	3	4		3	3	1	2	3		4	4	4	4	2		4	3	4	3	
Cyst																						X				
Ectopic Parathyroid Gland																										
Ectopic Thyroid																										
Hemorrhage				2						2																
Hyperplasia, Epithelial																								1		
Artery, Inflammation, Chronic Active																			3	3						

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Galactocele																										

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 0.0W/kg(GSM)chr / ANIMAL ID	0642 00501	0732 00502	0590 00503	0294 00504	0655 00506	0681 00509	0691 00510	0580 00511	0440 00512	0527 00513	0541 00514	0654 00515	0730 00516	0677 00517	0733 00518	0498 00519	0563 00520	0552 00521	0719 00522	0733 00523	0734 00524	0565 00527	0731 00529	0715 00530	0731 00533	males (cont...)
Duct, Dilation																									2	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion								X																		
Inflammation, Chronic Active																										
Ulcer																										
Artery, Subcutaneous Tissue, Inflammation, Chronic Active																					3					
Epidermis, Hyperplasia																										
Subcutaneous Tissue, Inflammation, Suppurative																										
Subcutaneous Tissue, Inflammation, Chronic																					2					
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy			1			1		1								1	1	1	1			1		1		
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1				2	2	1			1			3					2							2
Mineral																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression	2										2									1						
Hemorrhage																										
Infiltration Cellular, Mononuclear Cell																										
Mineral										1			1						1							
Necrosis						1		2																		
Choroid Plexus, Degeneration																			2							

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DAY ON TEST	0642	0732	0590	0294	0655	0681	0691	0580	0440	0527	0541	0654	0730	0677	0733	0498	0563	0552	0719	0733	0734	0565	0731	0715	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00501	00502	00503	00504	00506	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00527	00529	00530	00533	**males (cont...)**
Choroid Plexus, Mineral											1															
Meninges, Hyperplasia																1										
Meninges, Hyperplasia, Granular Cell																							1			
Pineal Gland, Mineral																										
Pineal Gland, Vacuolation, Cytoplasmic								3										4			2		1			
Nerve Trigeminal	+	+	+	+	+	+	M	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	1	3		2	2		3			2	1	2		1		3	1	2		3	2	3	3		
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	3	2		3	3	3		1	1	2	2	3	3	3	1	1	1	3	3	3	1	3	3	3	
Infiltration Cellular, Mononuclear Cell																										
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	3	2		3	3	3	2	1		2	2	3		3	1	2	2	3	3	3	2	3	3	3	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1			1	1								1				1			1					
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1					1																			
Nerve, Degeneration	1	2	2		2	3	1	3		1		3	3	3	3	1	1	1	2	3	3	2	3	2	4	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1			1		1	1				2	3	2	2				1	1	2	1	2	1	1	
Hemorrhage, Focal																										
Trigeminal Ganglion	+	M	+	M	I	+	+	+	+	I	+	+	+	+	I	+	+	I	+	+	+	+	+	+	+	
Degeneration	1					1		1			1			1					1	1			1		1	

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DAY ON TEST	0642	0732	0590	0294	0655	0681	0691	0580	0440	0527	0541	0654	0730	0677	0733	0498	0563	0552	0719	0733	0734	0565	0731	0715	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00501	00502	00503	00504	00506	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00527	00529	00530	00533	**males (cont...)**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion				3	2		2			2																
Foreign Body																										
Hemorrhage																		2	1							
Inflammation, Suppurative																										
Inflammation, Chronic Active																										
Inflammation, Subacute																										
Alveolus, Infiltration Cellular, Histiocyte		1							1	1	1	3			1				1			1		1	2	
Artery, Inflammation, Chronic Active																										
Artery, Mineral																										
Artery, Mediastinum, Inflammation, Chronic Active																										
Epithelium Alveolus, Hyperplasia																										
Interstitium, Mineral																										
Perivascular, Inflammation, Chronic Active																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body													X											X		
Inflammation, Suppurative								1					1							1			1	3		
Nasopharyngeal Duct, Respiratory Epithelium, Hyperplasia																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	2	1	1	1	1	2	3	2	3	2	3	2	2	2	2	2	2	1	1	2	2	2	3	2	
Olfactory Epithelium, Metaplasia, Respiratory				1																		1				
Respiratory Epithelium, Accumulation, Hyaline Droplet	1																									
Respiratory Epithelium, Hyperplasia													2							1						

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DAY ON TEST	0642	0732	0590	0294	0655	0681	0691	0580	0440	0527	0541	0654	0730	0677	0733	0498	0563	0552	0719	0733	0734	0565	0731	0715	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00501	00502	00503	00504	00506	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00527	00529	00530	00533	**males (cont...)**
Respiratory Epithelium, Hyperplasia, Goblet Cell		1																								
Respiratory Epithelium, Mineral																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Mineral																										
Epithelium, Hyperplasia																										
Epithelium, Metaplasia, Squamous																								1		
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Retinal Detachment																			3							
Anterior Chamber, Inflammation, Acute																			1							
Cornea, Fibrosis																										
Cornea, Inflammation, Acute		1	2			2		3											1			3				
Cornea, Neovascularization		2	1			1																				
Cornea, Ulcer																										
Cornea, Epithelium, Hyperplasia		2	2					3																		
Retina, Atrophy																				1						
Retina, Degeneration								1																		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy													1													
Degeneration, Cystic																										
Inflammation, Acute																										
Inflammation, Chronic Active											1															
Lacrimal Gland																										
Metaplasia, Harderian Gland																										

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DAY ON TEST	0642	0732	0590	0294	0655	0681	0691	0580	0440	0527	0541	0654	0730	0677	0733	0498	0563	0552	0719	0733	0734	0565	0731	0715	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00501	00502	00503	00504	00506	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00527	00529	00530	00533	**males (cont...)**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral																										
Nephropathy, Chronic Progressive	2	4	4	2	4	4	3	4	2		3	1	3	3	2	4	4	4	4	4	4	4	3	4	4	
Thrombus																										
Artery, Mineral																						2				
Pelvis, Dilation																										
Renal Tubule, Cyst						X				X											X					
Renal Tubule, Hyperplasia, Atypical										2	4															
Renal Tubule, Hyperplasia, Oncocytic								1																		
Urothelium, Hyperplasia																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Inflammation, Acute																										
Necrosis																										
Muscularis, Degeneration														1												
Urothelium, Hyperplasia																										

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DAY ON TEST	072	073	051	073	061	073	066	058	056	073	060	070	073	073	073	073	073	066	070	073	066	073	068	058	059	
HARLAN SPRAGUE DAWLEY RATS MALE	1	3	0	0	0	4	3	0	7	4	4	4	2	0	1	2	4	2	5	1	2	1	5	2	5	
0.0W/kg(GSM)chr ANIMAL ID	0053	0053	0053	0053	0053	0054	0054	0054	0054	0054	0054	0054	0054	0054	0054	0055	0055	0055	0055	0055	0055	0055	0055	0055	0056	**males (cont...)**
	34	35	36	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	57	58	59	60	
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Hyperplasia																										
Intestine Large, Cecum	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	
Edema					3		2												3		2					
Erosion					3		2														3		2			
Inflammation, Acute								3											3		3		3			
Inflammation, Chronic Active					3																					
Ulcer								3											3					2		
Artery, Inflammation, Chronic Active						2	2	2			2							2					2	3		
Artery, Mineral																		2								
Epithelium, Regeneration					3		2	2											3				3	3		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	
Erosion																										
Inflammation, Acute								1																		
Ulcer								1																		
Artery, Inflammation, Chronic Active						2					2							1			1		2			
Artery, Mineral																		2								
Epithelium, Regeneration																		2			2					
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	A	
Edema																										
Erosion																										
Hyperplasia, Lymphocyte													4													
Inflammation, Acute																							1			
Artery, Inflammation, Chronic Active											2									2						

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DAY ON TEST	0721	0733	0510	0730	0610	0734	0663	0580	0567	0734	0604	0704	0732	0730	0731	0732	0734	0662	0705	0731	0662	0731	0685	0582	0595	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**
Epithelium, Regeneration																										
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Erosion																										
Ulcer																										
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Artery, Inflammation, Chronic Active											2															
Epithelium, Regeneration																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Basophilic Focus																										
Clear Cell Focus		X	X												X		X					X				
Eosinophilic Focus						X														X					X	
Extramedullary Hematopoiesis									1																	
Hepatodiaphragmatic Nodule									X																	
Infiltration Cellular, Mixed Cell						1																				
Mixed Cell Focus				X			X	X		X	X		X	X		X						X	X			
Artery, Inflammation, Chronic Active																					3					
Artery, Mineral																		1								
Bile Duct, Cyst									X																	
Bile Duct, Hyperplasia					1	2	1	1		2	1		1	1							2	1				
Hepatocyte, Degeneration																										
Hepatocyte, Necrosis																										
Hepatocyte, Vacuolation, Cytoplasmic																										
Kupffer Cell, Pigment																										

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DAY ON TEST	072	073	051	073	061	073	066	058	056	073	060	070	073	073	073	073	073	066	070	073	066	073	068	058	059	
HARLAN SPRAGUE DAWLEY RATS MALE	1	3	0	0	0	4	3	0	7	4	4	4	2	0	1	2	4	2	5	1	2	1	5	2	5	
0.0W/kg(GSM)chr ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**
Periductal, Cholangiofibrosis												2														
Mesentery					+	+	+	+			+					+	+		+		+	+		+	+	
Hemorrhage																										
Inflammation, Chronic																										
Necrosis																	3									
Neovascularization																										
Artery, Inflammation, Chronic Active					2	2	2	2			4					3			2		4	1		2	2	
Artery, Mineral							2	1											2						2	
Vein, Degeneration																								1		
Vein, Inflammation, Chronic Active					1																					
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Thrombus																										
Acinus, Atrophy										1		1											1	1		
Acinus, Hyperplasia		2		1	2	2		3	2		1	2	3	3	2	3	4	2	1	2			2	2	4	
Artery, Inflammation, Chronic Active		2				3	2	2			3			2				2	1	2	2	2	2	3		
Artery, Mineral					2		1											3	1							
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active											2							2				3			1	
Artery, Mineral																		3							2	
Duct, Parotid Gland, Dilation								2										2								
Duct, Parotid Gland, Inflammation, Acute																		2								
Parotid Gland, Atrophy						1		2	1	1													3		1	
Parotid Gland, Inflammation, Acute								1																		
Parotid Gland, Vacuolation, Cytoplasmic																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0721	0733	0510	0730	0610	0734	0663	0580	0567	0734	0604	0704	0732	0730	0731	0732	0734	0662	0705	0731	0662	0731	0685	0582	0595	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**
Edema																										
Inflammation, Acute																										
Inflammation, Chronic Active																										
Mineral																		3								
Ulcer																										
Epithelium, Hyperplasia																										
Epithelium, Hyperplasia, Atypical																		2								
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Erosion																										
Inflammation, Acute																										
Inflammation, Chronic Active																										
Mineral					3		3	3										3	4		1		1	2		
Artery, Inflammation, Chronic Active						1					3															
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral			1		3		2	2										4	1					2	1	
Blood Vessel								+																		
Mineral								4																		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1	2	1		3	2	3	4		1	2	2		1	1		1	3	2	2	3	1	1	1	2	
Congestion																										
Thrombus																										
Artery, Mineral					3		3	3										3	2							
Atrium, Dilation	3											2								1						
Atrium, Thrombus																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**
Atrium, Myocardium, Hypertrophy																										
Myocardium, Mineral																		2								
Myocardium, Necrosis																										
Valve, Inflammation, Chronic Active																										
Ventricle Right, Cardiomyopathy		1	1			1		2				1			1		1	2	1	1	1				1	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule					X															X		X				
Degeneration																										
Hyperplasia		1	1			1		2	2	3		2			2			1	2	2		2	3			
Hypertrophy		2		1	2	1								1		1	2	2		1		1	1			
Necrosis																					2					
Thrombus	4																									
Vacuolation, Cytoplasmic			1				1								1	2	2	2			3					
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	
Hyperplasia					2	4		2		3										3	1	4	2	2		
Thrombus	4																									
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			1			2	1			1						1					1			2		
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	
Hyperplasia					2	3	1	4	1		2	1	1	1	1	1		4	3		4		3	2		
Pituitary Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Craniopharyngeal Duct, Cyst																										
Pars Distalis, Cyst									X					X								X				

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M .. Missing tissue
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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0721	0733	0510	0730	0610	0734	0663	0580	0567	0734	0604	0704	0732	0730	0731	0732	0734	0662	0705	0731	0662	0731	0685	0582	0595	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**
Pars Distalis, Hyperplasia			2	4			1			2			1	3	4		1			3		4	3			
Pars Intermedia, Angiectasis																		4								
Pars Intermedia, Cyst																										
Pars Intermedia, Hyperplasia																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia						1						2					2	4	2	2			1			
Follicle, Hyperplasia, Cystic						1																				
GENERAL BODY SYSTEM																										
Tissue NOS													+											+		
Abdominal, Fat, Hemorrhage																								3		
Fat, Necrosis													3											3		
GENITAL SYSTEM																										
Bulbourethral Gland																										
Ductus Deferens																										
Granuloma																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell					2	1	3	3	1									3					1	2	3	
Granuloma Sperm																					3					
Hypospermia				4				3							4	4		3	4	4	4		4	1		
Artery, Inflammation, Chronic Active																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	072	073	051	073	061	073	066	058	056	073	060	070	073	073	073	073	073	066	070	073	066	073	068	058	059	
HARLAN SPRAGUE DAWLEY RATS MALE	1	3	0	0	0	4	3	0	7	4	4	4	2	0	1	2	4	2	5	1	2	5	5	2	5	
0.0W/kg(GSM)chr ANIMAL ID	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	**males (cont...)**
	34	35	36	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	57	58	59	60	
Hyperplasia														2												
Inflammation, Granulomatous																										
Inflammation, Acute																										
Inflammation, Chronic Active	2	3		2		3		2	1		2			2	1		1	2				3	2	1		
Artery, Inflammation, Chronic Active																										
Duct, Dilation	3	4		3	2	4	2	3			2				1				1	4			2			
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid																							2			
Hemorrhage																										
Infiltration Cellular, Mononuclear Cell																										
Inflammation, Acute	2								3																	
Inflammation, Chronic Active																	2									
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia	1																					1				
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid					3	1	4	2										4		3	4		3	2	3	
Hemorrhage																										
Inflammation, Acute																										
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active							3																			
Epithelium, Hyperplasia																										
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																X										
Inflammation, Chronic Active																										
Pigment																										
Artery, Inflammation, Chronic Active	3				3	4	2				3	3	3	4	3			1	4	4	4	4	2	2	2	
Germ Cell, Degeneration				4	2		2	2						1	4	4		3	3	3	3		4	1	2	

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DAY ON TEST	072	073	051	073	061	073	066	058	056	073	060	070	073	073	073	073	073	073	066	070	073	066	073	068	058	059	
HARLAN SPRAGUE DAWLEY RATS MALE	1	3	0	0	0	4	3	0	7	4	4	4	2	0	1	2	4	2	2	5	1	2	1	5	2	5	
0.0W/kg(GSM)chr ANIMAL ID	0053	0053	0053	0053	0053	0054	0054	0054	0054	0054	0054	0054	0054	0054	0054	0054	0055	0055	0055	0055	0055	0055	0055	0055	0055	0056	**males (cont...)**
	4	5	6	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	7	8	9	0	0	
Interstitial Cell, Hyperplasia																											
Rete Testis, Dilation																											
Seminiferous Tubule, Dilation										2																	
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity		1						1	4		2														2		
Lymph Node	+				+							+					+			+	+						
Iliac, Erythrophagocytosis																											
Iliac, Hyperplasia, Lymphocyte																	2										
Iliac, Infiltration Cellular, Histiocyte																											
Iliac, Proliferation, Plasma Cell																	2										
Iliac, Lymphatic Sinus, Ectasia																	2										
Lumbar, Erythrophagocytosis																					3						
Lymphatic Sinus, Mediastinal, Ectasia																											
Mediastinal, Erythrophagocytosis																					3						
Mediastinal, Hemorrhage																											
Pancreatic, Erythrophagocytosis												3								2							
Pancreatic, Hemorrhage																											
Pancreatic, Hyperplasia, Lymphocyte	3																										
Renal, Erythrophagocytosis					3																						
Renal, Proliferation, Plasma Cell																											
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Hyperplasia, Lymphocyte	2	2		2	1	2				2	2	3	2	2	2	1	2			1			2		1		
Infiltration Cellular, Polymorphonuclear																											
Proliferation, Plasma Cell	1	3		2	1	1	2			1	3	2	2	2	2		3		1				2	1	1		
Lymphatic Sinus, Ectasia										3				3	2									1	1		

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HARLAN SPRAGUE DAWLEY RATS MALE
0.0W/kg(GSM)chr

DAY ON TEST	072	073	051	073	061	073	066	058	056	073	060	070	073	073	073	073	073	066	070	073	066	073	068	058	059	
ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis						1	2				2										2			1		
Hyperplasia, Lymphocyte																										
Infiltration Cellular, Histiocyte																										
Infiltration Cellular, Polymorphonuclear																										
Lymphocyte, Depletion																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Developmental Malformation																										
Extramedullary Hematopoiesis	3	2	1	1		2			4	2	3	1	2	2	2	2	2		2		2	2				
Hyperplasia, Lymphocyte						2																				
Pigment		1	1	2	1		1	2		2			1	1	1		2	1		2	1	1	2		2	
Arteriole, Mineral																										
Red Pulp, Atrophy							2	3												1			3	2		
White Pulp, Atrophy							1	2										3	1		1		2	3	2	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3		2	3	4	2	3	4	4	2	2	4	3		3	2	1	4	4	1	4	3	4	4	4	
Cyst		X													X						X	X				
Ectopic Parathyroid Gland													X									X				
Ectopic Thyroid																										
Hemorrhage																										
Hyperplasia, Epithelial	2																									
Artery, Inflammation, Chronic Active											1															

INTEGUMENTARY SYSTEM

Mammary Gland	I	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	
Atrophy																									4	
Galactocele							X																			

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DAY ON TEST	0721	0733	0510	0730	0610	0734	0663	0580	0567	0734	0604	0704	0732	0730	0731	0732	0734	0662	0705	0731	0662	0731	0685	0582	0595	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**
Duct, Dilation																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																										
Inflammation, Chronic Active														2												
Ulcer																										
Artery, Subcutaneous Tissue, Inflammation, Chronic Active																										
Epidermis, Hyperplasia														2												
Subcutaneous Tissue, Inflammation, Suppurative									4																	
Subcutaneous Tissue, Inflammation, Chronic																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy					1	1	1	1			1							2	1	1	2		2	1	1	
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2					2	2					2						2	1	1	1		2			
Mineral																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression																		1								
Hemorrhage							1																			
Infiltration Cellular, Mononuclear Cell																										
Mineral																			1							
Necrosis							1																			
Choroid Plexus, Degeneration																										

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DAY ON TEST	0721	0733	0510	0730	0610	0734	0663	0580	0567	0734	0604	0704	0732	0730	0731	0732	0734	0662	0705	0731	0662	0731	0685	0582	0595	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**
Choroid Plexus, Mineral																										
Meninges, Hyperplasia																										
Meninges, Hyperplasia, Granular Cell																										
Pineal Gland, Mineral																										
Pineal Gland, Vacuolation, Cytoplasmic																			1							
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Degeneration	2			2	3	2	1		3	2	1	2	2	3	2	1	2	1	1	3		1		1		
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	4	3	1	3	3	3	2	1	1	3	2	4	3	3	3	3	3	3	2	3	3	3	1	1	2	
Infiltration Cellular, Mononuclear Cell															1											
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	3		3	3	3	3	1	2	3	2	4	3	3	3	3	3	3	3	3	3	3	2	2	2	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration						1	1		1		1		1	1	1	1	1					1				
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration						1	1			1	1	1	1	1		1										
Nerve, Degeneration	3	3		4	2	3	3	1	1	3	3	2	4	4	3	3	3	3	2	3	3	3	2	1		
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	3		2		3	1		1	3		1	1	2	1	2	1	1	1	2		1				
Hemorrhage, Focal																										
Trigeminal Ganglion	M	+	+	+	+	+	+	I	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	
Degeneration		1				1	1		1	1					1		1			1		1	1			

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DAY ON TEST	072	073	051	073	061	073	066	058	056	073	060	070	073	073	073	073	073	073	066	070	073	066	073	068	058	059	
HARLAN SPRAGUE DAWLEY RATS MALE	1	3	0	0	0	4	3	0	7	4	4	4	2	0	1	2	4	2	2	5	1	2	1	5	2	5	
0.0W/kg(GSM)chr ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**	

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion	2	1									1	2															
Foreign Body			X																								
Hemorrhage																											
Inflammation, Suppurative			3																								
Inflammation, Chronic Active												1															
Inflammation, Subacute																											
Alveolus, Infiltration Cellular, Histiocyte		1							1	1		1	2	2			1		1		1	1	1				
Artery, Inflammation, Chronic Active																				2							
Artery, Mineral																		2									
Artery, Mediastinum, Inflammation, Chronic Active						1					2																
Epithelium Alveolus, Hyperplasia								2								4		2									
Interstitium, Mineral																											
Perivascular, Inflammation, Chronic Active																											
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body			X																								
Inflammation, Suppurative			2									1		1													
Nasopharyngeal Duct, Respiratory Epithelium, Hyperplasia																											
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	1	2	2	2	2	2	1	1	1	2	1	1	1	1			3	2	1	3		1	2	3		
Olfactory Epithelium, Metaplasia, Respiratory														1													
Respiratory Epithelium, Accumulation, Hyaline Droplet	1																										
Respiratory Epithelium, Hyperplasia																	1										

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DAY ON TEST	072	073	051	073	061	073	066	058	056	073	060	070	073	073	073	073	073	073	066	070	073	066	073	068	058	059	
HARLAN SPRAGUE DAWLEY RATS MALE	1	3	0	0	0	4	3	0	7	4	4	4	2	0	1	2	4	2	2	5	1	2	1	5	2	5	
0.0W/kg(GSM)chr	0053	0053	0053	0053	0053	0054	0054	0054	0054	0054	0054	0054	0054	0054	0054	0054	0055	0055	0055	0055	0055	0055	0055	0055	0055	0056	**males (cont...)**
ANIMAL ID	4	5	6	8	9	0	1	2	3	4	5	6	7	8	9	0	0	1	2	3	4	5	7	8	9	0	
Respiratory Epithelium, Hyperplasia, Goblet Cell																											
Respiratory Epithelium, Mineral																											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Mineral																			3								
Epithelium, Hyperplasia																											
Epithelium, Metaplasia, Squamous																											
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Retinal Detachment																											
Anterior Chamber, Inflammation, Acute																								3			
Cornea, Fibrosis																											
Cornea, Inflammation, Acute	1							1						1					4	3				3		2	
Cornea, Neovascularization	1													1						1							
Cornea, Ulcer																				2							
Cornea, Epithelium, Hyperplasia														1					4								
Retina, Atrophy													1	1	1								3				
Retina, Degeneration																											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																											
Degeneration, Cystic															1						2						
Inflammation, Acute																					1						
Inflammation, Chronic Active						1																					
Lacrimal Gland	+																										
Metaplasia, Harderian Gland	1																										

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DAY ON TEST	0721	0733	0510	0730	0610	0734	0663	0580	0567	0734	0604	0704	0732	0730	0731	0732	0734	0662	0705	0731	0662	0731	0685	0582	0595	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00534	00535	00536	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	00551	00552	00553	00554	00555	00557	00558	00559	00560	**males (cont...)**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral																										
Nephropathy, Chronic Progressive	4	3	3	3	4	4	4	4	3	4	4	4	2	4	3	3	3	4	4	4	4	4	4	4	4	
Thrombus						3																				
Artery, Mineral																									2	
Pelvis, Dilation																										
Renal Tubule, Cyst	X				X	X	X													X	X					
Renal Tubule, Hyperplasia, Atypical																										
Renal Tubule, Hyperplasia, Oncocytic										1																
Urothelium, Hyperplasia																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Inflammation, Acute																										
Necrosis																										
Muscularis, Degeneration																										
Urothelium, Hyperplasia									1																	

DAY ON TEST	062	073	063	073	071	064	072	065	066	060	069	021	062	073	063	067	057	062	065	056	068	071	073	073	058	
HARLAN SPRAGUE DAWLEY RATS MALE	3	3	3	2	5	1	2	9	6	4	1	2	4	2	0	1	7	4	7	2	7	1	0	0	4	
0.0W/kg(GSM)chr ANIMAL ID	005 61	005 62	005 63	005 64	005 65	005 66	005 67	005 69	005 70	005 71	005 72	005 73	005 74	005 75	005 76	005 77	005 78	005 80	005 81	005 83	005 84	005 85	005 86	005 87	005 88	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Hyperplasia																										
Intestine Large, Cecum	+	+	+	+	+	A	+	+	+	+	A	A	A	+	A	A	A	+	+	+	+	+	+	+	+	
Edema					1				1													3				
Erosion					3		2		3	2												4				
Inflammation, Acute					2		2															4				
Inflammation, Chronic Active																										
Ulcer																										
Artery, Inflammation, Chronic Active			2						2																2	
Artery, Mineral																										
Epithelium, Regeneration	3				4				2	2																
Intestine Large, Colon	+	+	+	+	+	A	+	+	+	+	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	
Erosion																						1				
Inflammation, Acute																										
Ulcer																										
Artery, Inflammation, Chronic Active			2																						2	
Artery, Mineral																										
Epithelium, Regeneration																						4				
Intestine Large, Rectum	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	
Edema																										
Erosion					1																					
Hyperplasia, Lymphocyte																										
Inflammation, Acute																										
Artery, Inflammation, Chronic Active																								2		

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 0.0W/kg(GSM)chr / ANIMAL ID	0662 00561	0733 00562	0663 00563	0732 00564	0715 00565	0641 00566	0722 00567	0659 00569	0666 00570	0604 00571	0691 00572	0212 00573	0624 00574	0732 00575	0630 00576	0671 00577	0577 00578	0624 00580	0657 00581	0562 00583	0687 00584	0711 00585	0730 00586	0730 00587	0584 00588	males (cont...)
Epithelium, Regeneration																						3				
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	A	A	+	A	+	A	+	+	+	+	+	+	+	+	
Erosion																										
Ulcer																										
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	+	+	A	+	+	A	A	+	+	+	+	A	+	+	+	+	
Artery, Inflammation, Chronic Active																										
Epithelium, Regeneration																										
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	+	A	A	+	A	A	A	A	A	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																					2					
Basophilic Focus																										
Clear Cell Focus																										
Eosinophilic Focus						X	X															X				
Extramedullary Hematopoiesis										1																
Hepatodiaphragmatic Nodule																										
Infiltration Cellular, Mixed Cell																		1								
Mixed Cell Focus		X	X	X		X								X		X				X	X		X	X		
Artery, Inflammation, Chronic Active																										
Artery, Mineral																										
Bile Duct, Cyst																										
Bile Duct, Hyperplasia	1	1	1		1	1	2		1				1			1		1	1	1					1	
Hepatocyte, Degeneration										3																
Hepatocyte, Necrosis								2			1															
Hepatocyte, Vacuolation, Cytoplasmic											3															
Kupffer Cell, Pigment																										

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 0.0W/kg(GSM)chr / ANIMAL ID	0662 00561	0733 00562	0663 00563	0732 00564	0715 00565	0641 00566	0722 00567	0659 00569	0666 00570	0604 00571	0691 00572	0212 00573	0624 00574	0732 00575	0630 00576	0671 00577	0577 00578	0624 00580	0657 00581	0562 00583	0687 00584	0711 00585	0730 00586	0730 00587	0584 00588	males (cont...)
Periductal, Cholangiofibrosis							4																			
Mesentery	+		+	+	+	+		+							+		+	+				+		+	+	
Hemorrhage																										
Inflammation, Chronic																										
Necrosis																										
Neovascularization																										
Artery, Inflammation, Chronic Active	2		3	4		2		2														2		4	3	
Artery, Mineral					2	2		2							2		4	3								
Vein, Degeneration																										
Vein, Inflammation, Chronic Active																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Thrombus																									4	
Acinus, Atrophy																		2							1	
Acinus, Hyperplasia	2	2	3	2	3			3		4				1	3	4	2			2	2	2	3	4	1	
Artery, Inflammation, Chronic Active	2		2		1	2	2		2		1			3	4			1						4	4	
Artery, Mineral								2									2	1								
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active			3			3																		2		
Artery, Mineral																										
Duct, Parotid Gland, Dilation								3														1				
Duct, Parotid Gland, Inflammation, Acute																										
Parotid Gland, Atrophy										2			1				2									
Parotid Gland, Inflammation, Acute								3																		
Parotid Gland, Vacuolation, Cytoplasmic							2																			
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 0.0W/kg(GSM)chr / ANIMAL ID	0662 00561	0733 00562	0663 00563	0732 00564	0715 00565	0641 00566	0722 00567	0659 00569	0666 00570	0604 00571	0691 00572	0212 00573	0624 00574	0732 00575	0630 00576	0671 00577	0577 00578	0624 00580	0657 00581	0562 00583	0687 00584	0711 00585	0730 00586	0730 00587	0584 00588	males (cont...)
Edema			2																							
Inflammation, Acute																										
Inflammation, Chronic Active								1						1												
Mineral																										
Ulcer																										
Epithelium, Hyperplasia							3	3						4					3							
Epithelium, Hyperplasia, Atypical																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																		1								
Inflammation, Acute		1																								
Inflammation, Chronic Active								1																		
Mineral	1				4	2	2	3	2	2					2		3	3				1				
Artery, Inflammation, Chronic Active																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral	2				3	3	1	3	1						2		3	3				1				
Blood Vessel																										
Mineral																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2		1	1	4	2	3	4	2	1	3		1	1	1	1	4	4		1	3	2	1	1	1	
Congestion																										
Thrombus							2																			
Artery, Mineral	2				2	2		1		3					2		3	3				1				
Atrium, Dilation																										
Atrium, Thrombus					3																					

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DAY ON TEST	0662	0733	0663	0732	0715	0641	0722	0659	0666	0604	0691	0212	0624	0732	0630	0671	0577	0624	0657	0562	0687	0711	0730	0730	0584	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00561	00562	00563	00564	00565	00566	00567	00569	00570	00571	00572	00573	00574	00575	00576	00577	00578	00580	00581	00583	00584	00585	00586	00587	00588	**males (cont...)**
Atrium, Myocardium, Hypertrophy					3																					
Myocardium, Mineral						1	2			1							1	1								
Myocardium, Necrosis							2																			
Valve, Inflammation, Chronic Active							2																			
Ventricle Right, Cardiomyopathy	1				2	1	1	2						1	1		1	1		1	1	1	1	1	1	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule				X														X								
Degeneration											1															
Hyperplasia		2	2				2							1	2	2	1			2	3	2	1		1	
Hypertrophy			1				1		1	2						1		2			3		1	1	2	
Necrosis																	3									
Thrombus									2																	
Vacuolation, Cytoplasmic							1		1		2								1							
Adrenal Medulla	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					2	1		1	2	3	1		1		1	2		2					1			
Thrombus																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					2														2							
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	
Hyperplasia	3		2		4	3	2		4		4			2	1		2	2				3		1	3	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Craniopharyngeal Duct, Cyst																										
Pars Distalis, Cyst														X												

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DAY ON TEST	062	073	063	073	071	064	072	065	066	060	069	021	062	073	063	067	057	062	065	056	068	071	073	073	058	
HARLAN SPRAGUE DAWLEY RATS MALE	3	3	3	2	5	1	2	9	6	4	1	2	4	2	0	1	7	4	7	2	7	1	0	0	4	
0.0W/kg(GSM)chr ANIMAL ID	005611	005612	005613	005614	005615	005616	005617	005619	005700	005711	005712	005713	005714	005775	005776	005777	005778	005780	005781	005783	005784	005785	005786	005787	005788	**males (cont...)**
Pars Distalis, Hyperplasia			2					2						4				2				3	1		1	
Pars Intermedia, Angiectasis																										
Pars Intermedia, Cyst					X					X												X				
Pars Intermedia, Hyperplasia																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia		1	2							1				2												
Follicle, Hyperplasia, Cystic																										
GENERAL BODY SYSTEM																										
Tissue NOS									+																	
Abdominal, Fat, Hemorrhage																										
Fat, Necrosis																										
GENITAL SYSTEM																										
Bulbourethral Gland																										
Ductus Deferens																										
Granuloma																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell	2		1		2	3	1	1	3	1				1	2		3	2	2	1	2				1	
Granuloma Sperm																										
Hypospermia	2					3			4		4						2		2		2	4		4		
Artery, Inflammation, Chronic Active														3												
Preputial Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	
Atrophy																										

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DAY ON TEST	062	073	063	073	071	064	072	065	066	060	069	021	062	073	063	067	057	062	065	056	068	071	073	073	058
HARLAN SPRAGUE DAWLEY RATS MALE	2	3	3	2	5	1	2	9	6	4	1	2	4	2	0	1	7	4	7	2	7	1	0	0	4
0.0W/kg(GSM)chr ANIMAL ID	00561	00562	00563	00564	00565	00566	00567	00569	00570	00571	00572	00573	00574	00575	00576	00577	00578	00580	00581	00583	00584	00585	00586	00587	00588	**males (cont...)**
Hyperplasia																										
Inflammation, Granulomatous																										
Inflammation, Acute																		1								
Inflammation, Chronic Active				2		1						2	2		3	2						2	2	1	1	
Artery, Inflammation, Chronic Active																									3	
Duct, Dilation		3	2	3	1	1	1				2		2	2		1	2	2					3	2	3	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid									2													2				
Hemorrhage							2																			
Infiltration Cellular, Mononuclear Cell																										
Inflammation, Acute					4		2				4		1		4											
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active				3																						
Epithelium, Hyperplasia																				2						
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid	4		3			4			3	2	4			1	4		2	4	4			4				
Hemorrhage							2																			
Inflammation, Acute					4		1				3				4											
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia							1																			
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Inflammation, Chronic Active														4							3					
Pigment																										
Artery, Inflammation, Chronic Active	4	1	3		2		3	2	3		3				3	3	2	1				4		4	2	
Germ Cell, Degeneration	2		1		1	3		1	2	1	4			1	2		2	1	1		2	4		4	1	

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DAY ON TEST	062	073	063	073	071	064	072	065	066	060	069	021	062	073	063	067	057	062	065	056	068	071	073	073	058	
HARLAN SPRAGUE DAWLEY RATS MALE	3	3	3	2	5	1	2	9	6	4	1	2	4	2	0	1	7	4	7	2	7	1	0	0	4	
0.0W/kg(GSM)chr ANIMAL ID	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	**males (cont...)**
	61	62	63	64	65	66	67	69	70	71	72	73	74	75	76	77	78	80	81	83	84	85	86	87	88	
Interstitial Cell, Hyperplasia																										
Rete Testis, Dilation																										
Seminiferous Tubule, Dilation																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity						2				3				3			1									
Lymph Node					+		+							+			+		+				+	+	
Iliac, Erythrophagocytosis																										
Iliac, Hyperplasia, Lymphocyte																							2			
Iliac, Infiltration Cellular, Histiocyte														2										2		
Iliac, Proliferation, Plasma Cell					2																		2			
Iliac, Lymphatic Sinus, Ectasia					2																			2		
Lumbar, Erythrophagocytosis							1																			
Lymphatic Sinus, Mediastinal, Ectasia														3												
Mediastinal, Erythrophagocytosis																	3									
Mediastinal, Hemorrhage																										
Pancreatic, Erythrophagocytosis																										
Pancreatic, Hemorrhage																										
Pancreatic, Hyperplasia, Lymphocyte																										
Renal, Erythrophagocytosis					3																			2		
Renal, Proliferation, Plasma Cell																								2		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphocyte		2							3					1		2		2			2		2	3	2	
Infiltration Cellular, Polymorphonuclear																										
Proliferation, Plasma Cell		3	1					3	2	1			2	1		1		3			3		2	3	2	
Lymphatic Sinus, Ectasia							2									2		1							2	

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DAY ON TEST	062	073	063	073	071	064	072	065	066	060	069	021	062	073	063	067	057	062	065	056	068	071	073	073	058
HARLAN SPRAGUE DAWLEY RATS MALE	3	3	2	2	5	1	2	9	6	4	1	2	4	2	0	1	7	4	7	2	7	1	0	0	4
0.0W/kg(GSM)chr ANIMAL ID	00561	00562	00563	00564	00565	00566	00567	00569	00570	00571	00572	00573	00574	00575	00576	00577	00578	00580	00581	00583	00584	00585	00586	00587	00588
males (cont...)																									
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erythrophagocytosis									3		2														
Hyperplasia, Lymphocyte																2									
Infiltration Cellular, Histiocyte					2																				
Infiltration Cellular, Polymorphonuclear																									
Lymphocyte, Depletion																						2			
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Developmental Malformation																							X		
Extramedullary Hematopoiesis		2	3	1			1			4				2		2		1		2	2	1	2	1	
Hyperplasia, Lymphocyte														1										1	
Pigment	3	2	2	2		2	2	1	3		2		3		2		3					1			
Arteriole, Mineral																									
Red Pulp, Atrophy	3				3	2		2	3		2		2				3								
White Pulp, Atrophy	3				3	2	1	2	4	2	3		1		1		2					2			
Thymus	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	4		2	2	4	4	4	4		4	4		1	1	4	1	4	4		3	3	4	2	1	3
Cyst			X	X									X											X	
Ectopic Parathyroid Gland			X					X														X			
Ectopic Thyroid																						X			
Hemorrhage																									
Hyperplasia, Epithelial																									
Artery, Inflammation, Chronic Active	3		3																						3
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Galactocele																									

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 0.0W/kg(GSM)chr / ANIMAL ID	0662 00561	0733 00562	0663 00563	0732 00564	0715 00565	0641 00566	0722 00567	0659 00569	0666 00570	0604 00571	0691 00572	0212 00573	0624 00574	0732 00575	0630 00576	0671 00577	0577 00578	0624 00580	0657 00581	0562 00583	0687 00584	0711 00585	0730 00586	0730 00587	0584 00588	males (cont...)
Duct, Dilation													2								2					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion															X											
Inflammation, Chronic Active																										
Ulcer																							4			
Artery, Subcutaneous Tissue, Inflammation, Chronic Active																										
Epidermis, Hyperplasia																										
Subcutaneous Tissue, Inflammation, Suppurative																										
Subcutaneous Tissue, Inflammation, Chronic																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy	2		1		2	2	1	1	3	1	3				1		1	1				2		1	1	
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1		1		2	1	2	1	2		3								3			1		1		
Mineral						1																				
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression				1									2								2					
Hemorrhage																			2							
Infiltration Cellular, Mononuclear Cell						1																				
Mineral																										
Necrosis								2																	3	
Choroid Plexus, Degeneration																										

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DAY ON TEST	0662	0733	0663	0732	0715	0641	0722	0659	0666	0604	0691	0212	0624	0732	0630	0671	0577	0624	0657	0562	0687	0711	0730	0730	0584	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00561	00562	00563	00564	00565	00566	00567	00569	00570	00571	00572	00573	00574	00575	00576	00577	00578	00580	00581	00583	00584	00585	00586	00587	00588	**males (cont...)**
Choroid Plexus, Mineral																										
Meninges, Hyperplasia																										
Meninges, Hyperplasia, Granular Cell																										
Pineal Gland, Mineral			1	1																						
Pineal Gland, Vacuolation, Cytoplasmic			2											2												
Nerve Trigeminal	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	
Degeneration	2	2			1			4			3		1	2	3	2	3	1		2	1	1	2	1	4	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	3	3	2	2	2	4	3	3	2	3		2	3	2	2	2	3	2	2	3	2	2	2	1	
Infiltration Cellular, Mononuclear Cell																										
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	3	3	2	2	2	4	3	3	2	3		2	3	2	2	2	3	2	2	3	2	2	2	2	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration			1				1								1	1		1		1	1		1	1	1	
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1		1			1		1			1					1						1		1		
Nerve, Degeneration	3	3	3	1		2	2	3	3	2	2		3	2	2	2	1		3	1	3	2	3	3	3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	2	1	1	1		1			1				1		2		1		1	3	1	2	2		
Hemorrhage, Focal																			1							
Trigeminal Ganglion	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	M	
Degeneration									1																	

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DAY ON TEST	0662	0733	0663	0732	0715	0641	0722	0659	0666	0604	0691	0212	0624	0732	0630	0671	0577	0624	0657	0562	0687	0711	0730	0730	0584	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0.0W/kg(GSM)chr ANIMAL ID	00561	00562	00563	00564	00565	00566	00567	00569	00570	00571	00572	00573	00574	00575	00576	00577	00578	00580	00581	00583	00584	00585	00586	00587	00588	**males (cont...)**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion													2				2									
Foreign Body																				X						
Hemorrhage																	2									
Inflammation, Suppurative																										
Inflammation, Chronic Active			1																							
Inflammation, Subacute																2							1			
Alveolus, Infiltration Cellular, Histiocyte	1	1	1	1	1		1	1			1						2	1						2		
Artery, Inflammation, Chronic Active																								2		
Artery, Mineral																										
Artery, Mediastinum, Inflammation, Chronic Active																										
Epithelium Alveolus, Hyperplasia																										
Interstitium, Mineral								2																		
Perivascular, Inflammation, Chronic Active																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	
Foreign Body																										
Inflammation, Suppurative																										
Nasopharyngeal Duct, Respiratory Epithelium, Hyperplasia																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	1	2		3	2	1	2	1	2	1				1	3		1	2	2	2	1	2		2	
Olfactory Epithelium, Metaplasia, Respiratory																										
Respiratory Epithelium, Accumulation, Hyaline Droplet										1																
Respiratory Epithelium, Hyperplasia																										

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Respiratory Epithelium, Hyperplasia, Goblet Cell																										
Respiratory Epithelium, Mineral																							2			
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Mineral																										
Epithelium, Hyperplasia																										
Epithelium, Metaplasia, Squamous																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	
Retinal Detachment																										
Anterior Chamber, Inflammation, Acute										1																
Cornea, Fibrosis																										
Cornea, Inflammation, Acute	1		3			2	4	4	2		1						2	2							3	
Cornea, Neovascularization																	2		2							
Cornea, Ulcer						3	2	3																		
Cornea, Epithelium, Hyperplasia			3				2	3									2	3							3	
Retina, Atrophy																										
Retina, Degeneration																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Degeneration, Cystic																										
Inflammation, Acute																			4							
Inflammation, Chronic Active																										
Lacrimal Gland																+										
Metaplasia, Harderian Gland																3										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
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URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral										3																
Nephropathy, Chronic Progressive	4	4	4	3	4	4	4	4	4	3	4		4	4	4	4	4	4	4	3	4	4	3	4	4	
Thrombus																										
Artery, Mineral																										
Pelvis, Dilation							2																			
Renal Tubule, Cyst	X				X				X					X								X		X		
Renal Tubule, Hyperplasia, Atypical																										
Renal Tubule, Hyperplasia, Oncocytic																										
Urothelium, Hyperplasia					2																					
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage							4				2															
Inflammation, Acute							3				2															
Necrosis											1															
Muscularis, Degeneration																										
Urothelium, Hyperplasia																										

DAY ON TEST	024	065	056	073	051	061	073	068	064	055	064	049	060	070	062	
HARLAN SPRAGUE DAWLEY RATS MALE	8	8	9	4	0	6	3	8	8	5	5	6	0	5	9	
0.0W/kg(GSM)chr ANIMAL ID	00589	00591	00592	00593	00594	00595	00596	00597	00598	00599	00600	00601	00602	00604	00605	*** TOTALS**
ALIMENTARY SYSTEM																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Dilation											4					**2 4.0**
Hyperplasia											2					**1 2.0**
Intestine Large, Cecum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**75**
Edema												3		2	1	**11 2.0**
Erosion					1											**10 2.5**
Inflammation, Acute					2							3				**10 2.8**
Inflammation, Chronic Active																**1 3.0**
Ulcer								2								**6 2.3**
Artery, Inflammation, Chronic Active					2							2		2	2	**20 2.1**
Artery, Mineral																**1 2.0**
Epithelium, Regeneration					1							1		3		**14 2.4**
Intestine Large, Colon	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**81**
Erosion																**1 1.0**
Inflammation, Acute																**1 1.0**
Ulcer																**1 1.0**
Artery, Inflammation, Chronic Active								1							2	**12 1.8**
Artery, Mineral																**2 2.0**
Epithelium, Regeneration					2									3		**5 2.6**
Intestine Large, Rectum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**83**
Edema														4		**1 4.0**
Erosion																**1 1.0**
Hyperplasia, Lymphocyte																**1 4.0**
Inflammation, Acute														4		**2 2.5**
Artery, Inflammation, Chronic Active																**4 1.8**

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DAY ON TEST	0248	0658	0569	0734	0510	0616	0733	0688	0648	0555	0645	0496	0600	0705	0629	
HARLAN SPRAGUE DAWLEY RATS MALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00589	00591	00592	00593	00594	00595	00596	00597	00598	00599	00600	00601	00602	00604	00605	*** TOTALS**
Epithelium, Regeneration					2											**3 2.3**
Intestine Small, Duodenum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**81**
Erosion						2										**1 2.0**
Ulcer																**1 3.0**
Intestine Small, Ileum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	**78**
Artery, Inflammation, Chronic Active																**2 2.5**
Epithelium, Regeneration					2											**1 2.0**
Intestine Small, Jejunum	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	**73**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Angiectasis																**1 2.0**
Basophilic Focus																**1**
Clear Cell Focus																**8**
Eosinophilic Focus				X			X	X								**12**
Extramedullary Hematopoiesis																**5 1.2**
Hepatodiaphragmatic Nodule																**1**
Infiltration Cellular, Mixed Cell																**3 1.0**
Mixed Cell Focus				X			X				X		X		X	**32**
Artery, Inflammation, Chronic Active								4								**2 3.5**
Artery, Mineral																**1 1.0**
Bile Duct, Cyst																**3**
Bile Duct, Hyperplasia		1				2		1	1		1	2	2		1	**41 1.2**
Hepatocyte, Degeneration																**1 3.0**
Hepatocyte, Necrosis								3						1		**5 1.8**
Hepatocyte, Vacuolation, Cytoplasmic														2		**6 1.5**
Kupffer Cell, Pigment																**1 2.0**

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HARLAN SPRAGUE DAWLEY RATS MALE

0.0W/kg(GSM)chr

DAY ON TEST	0248	0658	0569	0734	0510	0616	0733	0688	0648	0555	0645	0496	0600	0705	0629	
ANIMAL ID	00589	00591	00592	00593	00594	00595	00596	00597	00598	00599	00600	00601	00602	00604	00605	*** TOTALS**
Periductal, Cholangiofibrosis																**2 3.0**
Mesentery					+	+		+		+		+		+	+	**39**
Hemorrhage																**1 3.0**
Inflammation, Chronic					2											**2 1.5**
Necrosis								3								**2 3.0**
Neovascularization										3						**1 3.0**
Artery, Inflammation, Chronic Active					2	3		4		1		1			2	**32 2.3**
Artery, Mineral						1				2		2		3	1	**21 2.1**
Vein, Degeneration																**1 1.0**
Vein, Inflammation, Chronic Active																**1 1.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst									X							**1**
Thrombus																**1 4.0**
Acinus, Atrophy		1				2	1	1							1	**13 1.2**
Acinus, Hyperplasia		2	4	3		1	4	2	2	2	2		2	1	2	**63 2.4**
Artery, Inflammation, Chronic Active			2	1	2	2	2	3	2			2	2	2	4	**48 2.3**
Artery, Mineral								2								**11 1.8**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Artery, Inflammation, Chronic Active				2				3								**11 2.5**
Artery, Mineral																**2 2.5**
Duct, Parotid Gland, Dilation								2								**5 2.0**
Duct, Parotid Gland, Inflammation, Acute																**1 2.0**
Parotid Gland, Atrophy										3		2	2	3		**18 2.0**
Parotid Gland, Inflammation, Acute																**2 2.0**
Parotid Gland, Vacuolation, Cytoplasmic																**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**

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HARLAN SPRAGUE DAWLEY RATS MALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00589	00591	00592	00593	00594	00595	00596	00597	00598	00599	00600	00601	00602	00604	00605	*** TOTALS**
Edema								2						2		**5 2.0**
Inflammation, Acute								1								**1 1.0**
Inflammation, Chronic Active		2											2			**7 1.9**
Mineral																**1 3.0**
Ulcer		3			1			1					3			**6 2.0**
Epithelium, Hyperplasia		3											4	2		**11 3.2**
Epithelium, Hyperplasia, Atypical																**1 2.0**
Stomach, Glandular	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**86**
Erosion						1										**3 1.3**
Inflammation, Acute																**1 1.0**
Inflammation, Chronic Active																**1 1.0**
Mineral					2			3		2		3		1	3	**31 2.5**
Artery, Inflammation, Chronic Active																**3 2.3**
CARDIOVASCULAR SYSTEM																
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Mineral								2	1	2		2		2	1	**30 2.1**
Blood Vessel																**1**
Mineral																**1 4.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cardiomyopathy	1	1	2	2	2	1	1	3	1	3	2	2	1	2	2	**79 1.9**
Congestion																**1 3.0**
Thrombus																**1 2.0**
Artery, Mineral															3	**20 2.5**
Atrium, Dilation																**3 2.0**
Atrium, Thrombus																**1 3.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00589	00591	00592	00593	00594	00595	00596	00597	00598	00599	00600	00601	00602	00604	00605	*** TOTALS**
Atrium, Myocardium, Hypertrophy																**1 3.0**
Myocardium, Mineral														1		**9 1.4**
Myocardium, Necrosis																**1 2.0**
Valve, Inflammation, Chronic Active																**1 2.0**
Ventricle Right, Cardiomyopathy		1	2	1	1	1		1		1	1	1	1	1	2	**54 1.1**
ENDOCRINE SYSTEM																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Accessory Adrenal Cortical Nodule									X							**6**
Degeneration												1				**3 1.0**
Hyperplasia		3	2	1		1			1		2	2			2	**47 1.7**
Hypertrophy				2					2		1		2	1		**35 1.5**
Necrosis																**5 2.4**
Thrombus																**2 3.0**
Vacuolation, Cytoplasmic				1							1				1	**20 1.5**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Hyperplasia		4				1		1	2	4		1		1	4	**42 2.0**
Thrombus																**1 4.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hyperplasia																**12 1.5**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**83**
Hyperplasia			3		4	1		3	1	4	2	2	2	4		**51 2.5**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Craniopharyngeal Duct, Cyst																**1**
Pars Distalis, Cyst																**5**

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DAY ON TEST	0248	0658	0569	0734	0510	0616	0733	0688	0648	0555	0645	0496	0600	0705	0629	
HARLAN SPRAGUE DAWLEY RATS MALE																
0.0W/kg(GSM)chr ANIMAL ID	00589	00591	00592	00593	00594	00595	00596	00597	00598	00599	00600	00601	00602	00604	00605	*** TOTALS**
Pars Distalis, Hyperplasia		1		4			4	1		2	2		3	2	3	**32 2.4**
Pars Intermedia, Angiectasis																**1 4.0**
Pars Intermedia, Cyst								X								**6**
Pars Intermedia, Hyperplasia																**1 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
C-cell, Hyperplasia							2					3				**16 1.8**
Follicle, Hyperplasia, Cystic																**1 1.0**
GENERAL BODY SYSTEM																
Tissue NOS																**3**
Abdominal, Fat, Hemorrhage																**1 3.0**
Fat, Necrosis																**2 3.0**
GENITAL SYSTEM																
Bulbourethral Gland												+				**1**
Ductus Deferens																**1**
Granuloma																**1 4.0**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Exfoliated Germ Cell			1		3	1	1	3	1	2	2	2		2	2	**51 1.9**
Granuloma Sperm																**1 3.0**
Hypospermia										4				4		**28 3.4**
Artery, Inflammation, Chronic Active																**2 2.5**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Atrophy																**1 2.0**

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HARLAN SPRAGUE DAWLEY RATS MALE

0.0W/kg(GSM)chr

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ANIMAL ID	00589	00591	00592	00593	00594	00595	00596	00597	00598	00599	00600	00601	00602	00604	00605		
Hyperplasia																**1**	**2.0**
Inflammation, Granulomatous																**1**	**4.0**
Inflammation, Acute																**1**	**1.0**
Inflammation, Chronic Active		2		1	2	3			2		3		2	2		**46**	**2.0**
Artery, Inflammation, Chronic Active																**1**	**3.0**
Duct, Dilation		3		3		2	2		1	4	4			3	1	**51**	**2.4**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Decreased Secretory Fluid																**4**	**2.0**
Hemorrhage																**1**	**2.0**
Infiltration Cellular, Mononuclear Cell																**1**	**2.0**
Inflammation, Acute																**7**	**2.9**
Inflammation, Chronic Active				1												**6**	**1.2**
Artery, Inflammation, Chronic Active																**1**	**3.0**
Epithelium, Hyperplasia																**5**	**1.2**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Decreased Secretory Fluid							1	1		3				4		**35**	**2.9**
Hemorrhage																**1**	**2.0**
Inflammation, Acute																**4**	**3.0**
Inflammation, Chronic Active												1				**1**	**1.0**
Artery, Inflammation, Chronic Active																**1**	**3.0**
Epithelium, Hyperplasia																**1**	**1.0**
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Cyst																**1**	
Inflammation, Chronic Active																**2**	**3.5**
Pigment																**1**	**1.0**
Artery, Inflammation, Chronic Active			3	3			3	3	2			3	3	4	3	**52**	**2.9**
Germ Cell, Degeneration					2	1		2		4		2		3	2	**51**	**2.3**

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HARLAN SPRAGUE DAWLEY RATS MALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00589	00591	00592	00593	00594	00595	00596	00597	00598	00599	00600	00601	00602	00604	00605	*** TOTALS**
Interstitial Cell, Hyperplasia																**1 1.0**
Rete Testis, Dilation																**1 2.0**
Seminiferous Tubule, Dilation																**1 2.0**
HEMATOPOIETIC SYSTEM																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hypercellularity				2												**15 1.9**
Lymph Node				+								+		+	+	**25**
Iliac, Erythrophagocytosis				3												**2 2.0**
Iliac, Hyperplasia, Lymphocyte																**2 2.0**
Iliac, Infiltration Cellular, Histiocyte																**2 2.0**
Iliac, Proliferation, Plasma Cell																**3 2.0**
Iliac, Lymphatic Sinus, Ectasia																**5 1.8**
Lumbar, Erythrophagocytosis																**2 2.0**
Lymphatic Sinus, Mediastinal, Ectasia																**1 3.0**
Mediastinal, Erythrophagocytosis																**6 2.5**
Mediastinal, Hemorrhage																**1 3.0**
Pancreatic, Erythrophagocytosis																**3 2.3**
Pancreatic, Hemorrhage																**1 2.0**
Pancreatic, Hyperplasia, Lymphocyte																**1 3.0**
Renal, Erythrophagocytosis												3		2	3	**8 2.6**
Renal, Proliferation, Plasma Cell																**2 2.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Hyperplasia, Lymphocyte			2	2		1	1				2		1			**41 1.8**
Infiltration Cellular, Polymorphonuclear	3															**2 2.5**
Proliferation, Plasma Cell		1	2	3		2	1		2	1	2		1		2	**49 1.9**
Lymphatic Sinus, Ectasia							1								2	**16 1.9**

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HARLAN SPRAGUE DAWLEY RATS MALE

0.0W/kg(GSM)chr

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Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Erythrophagocytosis											2	2			2	**17 1.8**
Hyperplasia, Lymphocyte																**2 1.5**
Infiltration Cellular, Histiocyte																**1 2.0**
Infiltration Cellular, Polymorphonuclear																**2 2.0**
Lymphocyte, Depletion														3		**2 2.5**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Developmental Malformation																**1**
Extramedullary Hematopoiesis				2			1		3					3		**45 1.9**
Hyperplasia, Lymphocyte							1									**5 1.2**
Pigment		3	2	2	2	2	1	2		3	2				2	**57 1.9**
Arteriole, Mineral																**1 2.0**
Red Pulp, Atrophy		1				2		3		4	1		2		2	**26 2.2**
White Pulp, Atrophy		1						2		3				3		**30 2.1**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Atrophy	3	3	2		3	4	2	4	4	4	2	2	2	4	4	**79 3.0**
Cyst															X	**10**
Ectopic Parathyroid Gland															X	**6**
Ectopic Thyroid																**1**
Hemorrhage																**2 2.0**
Hyperplasia, Epithelial																**2 1.5**
Artery, Inflammation, Chronic Active																**6 2.7**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	**82**
Atrophy																**1 4.0**
Galactocele																**1**

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Duct, Dilation																**3 2.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst Epithelial Inclusion							X									**3**
Inflammation, Chronic Active																**1 2.0**
Ulcer										4						**2 4.0**
Artery, Subcutaneous Tissue, Inflammation, Chronic Active																**1 3.0**
Epidermis, Hyperplasia																**1 2.0**
Subcutaneous Tissue, Inflammation, Suppurative																**1 4.0**
Subcutaneous Tissue, Inflammation, Chronic																**1 2.0**
MUSCULOSKELETAL SYSTEM																
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Fibrous Osteodystrophy		1	1		1		1	4	2	2		1		1	2	**46 1.4**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration		2				3		2	2				2	2		**34 1.8**
Mineral														1		**2 1.0**
NERVOUS SYSTEM																
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Compression																**7 1.6**
Hemorrhage																**2 1.5**
Infiltration Cellular, Mononuclear Cell																**1 1.0**
Mineral														1		**5 1.0**
Necrosis									1				2			**7 1.7**
Choroid Plexus, Degeneration																**1 2.0**

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Choroid Plexus, Mineral											1			1		**3 1.0**
Meninges, Hyperplasia																**1 1.0**
Meninges, Hyperplasia, Granular Cell																**1 1.0**
Pineal Gland, Mineral														2		**3 1.3**
Pineal Gland, Vacuolation, Cytoplasmic	1	1						2			2			3		**12 2.0**
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	**84**
Degeneration		1	2	3		3		1	1			1	3	1	2	**63 2.0**
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration		3	2	3	1	3	3	2	3	1	2	1	3	3	2	**86 2.4**
Infiltration Cellular, Mononuclear Cell																**1 1.0**
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Degeneration		3	1	3	2	3	3	4	3	2	2	1	3	3	2	**84 2.6**
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration		1				1	1				1					**30 1.0**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration				1					1						1	**21 1.0**
Nerve, Degeneration	1	2	1	2		3	3	2			2	1	3	1	2	**79 2.4**
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration		1	1	1		2	2	1	1	1	1		2		1	**58 1.5**
Hemorrhage, Focal																**1 1.0**
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**75**
Degeneration				1				1						1		**23 1.0**

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RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Congestion		2	3			2										**13**	**2.0**
Foreign Body	X										X					**4**	
Hemorrhage																**3**	**1.7**
Inflammation, Suppurative	3										2					**3**	**2.7**
Inflammation, Chronic Active																**2**	**1.0**
Inflammation, Subacute																**2**	**1.5**
Alveolus, Infiltration Cellular, Histiocyte			1	1	1	1									2	**37**	**1.2**
Artery, Inflammation, Chronic Active															3	**3**	**2.3**
Artery, Mineral																**1**	**2.0**
Artery, Mediastinum, Inflammation, Chronic Active																**2**	**1.5**
Epithelium Alveolus, Hyperplasia																**3**	**2.7**
Interstitium, Mineral																**1**	**2.0**
Perivascular, Inflammation, Chronic Active														2		**1**	**2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**	
Foreign Body	X										X					**5**	
Inflammation, Suppurative	3										2					**10**	**1.6**
Nasopharyngeal Duct, Respiratory Epithelium, Hyperplasia											3					**1**	**3.0**
Olfactory Epithelium, Accumulation, Hyaline Droplet		3	2	1	3	2	2	2	2		3	2	2	2	3	**79**	**1.9**
Olfactory Epithelium, Metaplasia, Respiratory																**3**	**1.0**
Respiratory Epithelium, Accumulation, Hyaline Droplet																**3**	**1.0**
Respiratory Epithelium, Hyperplasia																**3**	**1.3**

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Respiratory Epithelium, Hyperplasia, Goblet Cell																**1 1.0**
Respiratory Epithelium, Mineral																**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Artery, Mineral																**1 3.0**
Epithelium, Hyperplasia											3					**1 3.0**
Epithelium, Metaplasia, Squamous																**1 1.0**
SPECIAL SENSES SYSTEM																
Eye	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**85**
Retinal Detachment																**1 3.0**
Anterior Chamber, Inflammation, Acute										2						**4 1.8**
Cornea, Fibrosis							1									**1 1.0**
Cornea, Inflammation, Acute							1	1		3				1	3	**28 2.1**
Cornea, Neovascularization				1			2									**10 1.4**
Cornea, Ulcer										3					2	**6 2.5**
Cornea, Epithelium, Hyperplasia							1								2	**13 2.4**
Retina, Atrophy				1												**6 1.3**
Retina, Degeneration																**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy																**1 1.0**
Degeneration, Cystic																**2 1.5**
Inflammation, Acute																**2 2.5**
Inflammation, Chronic Active																**2 1.0**
Lacrimal Gland																**2**
Metaplasia, Harderian Gland																**2 2.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00589	00591	00592	00593	00594	00595	00596	00597	00598	00599	00600	00601	00602	00604	00605	*** TOTALS**
URINARY SYSTEM																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Mineral																**1 3.0**
Nephropathy, Chronic Progressive	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	**88 3.7**
Thrombus																**1 3.0**
Artery, Mineral																**2 2.0**
Pelvis, Dilation																**1 2.0**
Renal Tubule, Cyst				X										X	X	**18**
Renal Tubule, Hyperplasia, Atypical																**2 3.0**
Renal Tubule, Hyperplasia, Oncocytic																**2 1.0**
Urothelium, Hyperplasia																**1 2.0**
Urinary Bladder	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Hemorrhage																**2 3.0**
Inflammation, Acute																**2 2.5**
Necrosis																**1 1.0**
Muscularis, Degeneration																**1 1.0**
Urothelium, Hyperplasia																**1 1.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00712	00713	00714	00715	00716	00717	00718	00719	00721	00722	00724	00725	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Arteriole, Inflammation, Chronic Active																										
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	
Edema	2																									
Inflammation, Acute	2																									
Artery, Inflammation, Chronic Active	2											3														
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Artery, Inflammation, Chronic Active															2											
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	A	
Hyperplasia, Lymphocyte										3																
Artery, Inflammation, Chronic Active					3																					
Intestine Small, Duodenum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	A	
Artery, Inflammation, Chronic Active																										
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	A	A	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus																										
Clear Cell Focus							X		X											X						
Eosinophilic Focus									X																	
Extramedullary Hematopoiesis																	1									

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DAY ON TEST	0683	0614	0291	0733	0732	0733	0734	0731	0734	0657	0730	0639	0713	0694	0731	0591	0696	0576	0709	0731	0730	0715	0730	0615	0655	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00712	00713	00714	00715	00716	00717	00718	00719	00721	00722	00724	00725	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	**males (cont...)**
Infiltration Cellular, Mixed Cell		2																								
Mixed Cell Focus				X	X		X	X	X	X					X					X	X		X			
Artery, Inflammation, Chronic Active		2										2														
Artery, Thrombus																										
Bile Duct, Cyst																										
Bile Duct, Hyperplasia	3	2		1			1	1					1				1	1	1	1	2					
Centrilobular, Hepatocyte, Hypertrophy			1																							
Hepatocyte, Necrosis	3		1											1												
Hepatocyte, Vacuolation, Cytoplasmic																								3		
Kupffer Cell, Pigment																										
Periductal, Cholangiofibrosis													3													
Mesentery		+		+	+							+		+											+	
Inflammation, Chronic Active																										
Necrosis					2																					
Neovascularization																										
Arteriole, Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active		2		4	3							1													3	
Artery, Mineral														3												
Vein, Inflammation, Chronic Active																										
Oral Mucosa																			+							
Ulcer																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy	2					1					1	1								1						
Acinus, Hyperplasia	4			1			3	4			2	1		3			2	3	2	1	3	3	2	3		
Artery, Inflammation, Chronic Active	2	1			3							2	1	2	1										2	
Artery, Mineral														1												

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HARLAN SPRAGUE DAWLEY RATS MALE

1.5W/kg(GSM)chr

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ANIMAL ID	00712	00713	00714	00715	00716	00717	00718	00719	00721	00722	00724	00725	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	**males (cont...)**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active		3			3										1											
Duct, Parotid Gland, Dilation														2												
Parotid Gland, Atrophy			3						1							3								3	1	
Parotid Gland, Inflammation, Acute														1				1								
Submandibular Gland, Atrophy																								2		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Edema			2							3		2	1									2				
Erosion																										
Inflammation, Acute																										
Inflammation, Chronic Active			1							2		1	2			1										
Ulcer			2							2			4									1				
Artery, Inflammation, Chronic Active					2																					
Epithelium, Degeneration																										
Epithelium, Hyperplasia			3							4			3			2			1		2	3		3		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Granulomatous																										
Inflammation, Chronic Active				1			1																			
Mineral	3													3												
Artery, Inflammation, Chronic Active																										
Tooth																										
Dysplasia																										

CARDIOVASCULAR SYSTEM

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr ANIMAL ID	00712	00713	00714	00715	00716	00717	00718	00719	00721	00722	00724	00725	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	**males (cont...)**
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Aneurysm																										
Dilation														3												
Mineral														3												
Blood Vessel														+												
Pulmonary Artery, Inflammation, Chronic Active																										
Pulmonary Artery, Necrosis																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	3		1	1	1	1	1	2	1	2	2	2	2	3	3	1	2	2	2	1	2	2	1		2	
Artery, Inflammation, Chronic Active		2																								
Artery, Mineral																										
Artery, Necrosis																										
Atrium, Thrombus																										
Endocardium, Hyperplasia, Schwann Cell																										
Myocardium, Mineral																										
Ventricle Right, Cardiomyopathy	2	1			1		2	2	1	1	1	2	1	1	2	1	1	1	2	1			1	1	1	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule						X	X				X	X														
Hyperplasia	3						3	2	1		1			1	2		2					2	1		3	
Hypertrophy	3	2		2	1	1	1	1						2						1	1	1	1		2	
Necrosis																										
Thrombus																										
Vacuolation, Cytoplasmic				1		1		1		1	2	1			2			1						1	2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
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Degeneration, Cystic																										
Hyperplasia	4					1				1																
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				3		3														2						
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Hyperplasia	3	1			1	1	1					1	2	3	2		2			1			2			
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst								X	X																	
Pars Distalis, Hyperplasia							1	3	1	2		4			4		2	3	4	2					3	
Pars Intermedia, Cyst																			X							
Pars Intermedia, Hyperplasia																										
Pars Nervosa, Cyst								X																		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia				2				3	4		4	1								1	4					
Follicle, Cyst																					X					
Follicular Cell, Hyperplasia																										
Follicular Cell, Hypertrophy																										
GENERAL BODY SYSTEM																										
Tissue NOS																										
Inflammation, Chronic Active																										
Abdominal, Fat, Inflammation, Chronic Active																										
GENITAL SYSTEM																										

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HARLAN SPRAGUE DAWLEY RATS MALE

1.5W/kg(GSM)chr

DAY ON TEST	0683	0614	0291	0733	0732	0733	0734	0731	0734	0657	0730	0639	0713	0694	0731	0591	0696	0576	0709	0731	0730	0715	0730	0615	0655	
ANIMAL ID	00712	00713	00714	00715	00716	00717	00718	00719	00721	00722	00724	00725	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	**males (cont...)**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell	1				1							1	1	3	2							2		2		
Hypospermia					2									3								2		4		
Inflammation, Acute																								2		
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Inflammation, Chronic Active						1	4	1	2		1		4		2		2		1	2	2	3	1	1	3	
Duct, Dilation	3			2		3	3	3			2	2	4	3	3		1		1	4	2	2	3		4	
Duct, Hyperplasia																						2				
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid														2												
Inflammation, Suppurative																										
Inflammation, Acute																										
Inflammation, Chronic Active														1	1		4								4	
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia							1																			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid	3	2												3		2			2					4		
Inflammation, Chronic Active																	3								3	
Artery, Inflammation, Chronic Active																										
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Artery, Inflammation, Chronic Active	2	2		2	4	2		3			2	2	2	4	4						3				3	

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr ANIMAL ID	00712	00713	00714	00715	00716	00717	00718	00719	00721	00722	00724	00725	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	**males (cont...)**
Germ Cell, Degeneration	1				3		1						1	3	2							3		3	1	
Germinal Epithelium, Mineral																										
Interstitial Cell, Hyperplasia																						4				
Seminiferous Tubule, Dilation																										
Tunic, Hemorrhage																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Hypercellularity		3	3	2	1		3	1	1					2			3							4		
Lymph Node			+		+			+				+			+		+							+		
Artery, Mediastinal, Inflammation, Chronic Active																										
Artery, Mediastinal, Mineral																										
Iliac, Erythrophagocytosis																										
Iliac, Proliferation, Plasma Cell																										
Iliac, Lymphatic Sinus, Ectasia																										
Lumbar, Erythrophagocytosis								1																		
Lumbar, Hemorrhage			2																							
Lumbar, Hyperplasia, Lymphocyte																										
Lumbar, Proliferation, Plasma Cell																										
Lumbar, Lymphatic Sinus, Ectasia								2																		
Lymphatic Sinus, Mediastinal, Ectasia																										
Lymphatic Sinus, Renal, Ectasia					2																					
Mediastinal, Erythrophagocytosis												3														
Mediastinal, Hemorrhage																										
Mediastinal, Infiltration Cellular, Histiocyte																										
Pancreatic, Erythrophagocytosis																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
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Renal, Erythrophagocytosis					2										3											
Renal, Hemorrhage			3																							
Renal, Hyperplasia, Lymphocyte																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy, Lymphoid														3												
Erythrophagocytosis																										
Hemorrhage																								2		
Hyperplasia, Lymphocyte		3		1	1	2			1	2	2	2	2		2	1	3		3	2	3	4	1		3	
Proliferation, Plasma Cell		3		1	1	2		1	2	2	2	2	1		3	1	3	3	4	1	3	4	2		2	
Lymphatic Sinus, Ectasia				1			2		3			1		2												
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy														3												
Erythrophagocytosis	2																1									
Lymphatic Sinus, Ectasia																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	3	2	4	2	2	2	2	2	1		2	3		3			3		1	2	1		2		2	
Hyperplasia, Lymphocyte																										
Pigment		1	1	3	1	2	1	2		2	2	2	2	2	2	3		2	3	1	1	3			1	
Artery, Inflammation, Chronic Active																										
Capsule, Fibrosis																		1								
Red Pulp, Atrophy														3								2				
White Pulp, Atrophy	2		3							2				3		2		2	2			1				
Thymus	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	
Atrophy	3		4		1	2	1	2		4	1	3	3	4	2	3		4	4			2	2		2	
Cyst					X										X											
Ectopic Parathyroid Gland																										

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DAY ON TEST	06	06	02	07	07	07	07	07	07	06	07	06	07	06	07	05	06	05	07	07	07	07	07	06	06
	83	14	91	33	32	33	34	31	34	57	30	39	13	94	31	91	96	76	09	31	30	15	30	15	55
HARLAN SPRAGUE DAWLEY RATS MALE																									
1.5W/kg(GSM)chr																									
ANIMAL ID	00712	00713	00714	00715	00716	00717	00718	00719	00721	00722	00724	00725	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738
Ectopic Thyroid					X																				
Hemorrhage																									
Hyperplasia, Epithelial																			1						
Artery, Inflammation, Chronic Active																									
INTEGUMENTARY SYSTEM																									
Mammary Gland	M	+	+	+	+	+	+	+	+	+	+	M	I	+	+	+	+	+	+	+	M	+	M	+	+
Hyperplasia																									
Inflammation, Granulomatous																									
Artery, Inflammation, Chronic Active																									
Duct, Dilation				2							1			2				1							
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion				X																					
Hyperkeratosis																									
Inflammation, Chronic Active																									
Ulcer																									
Epidermis, Hyperplasia																									
Hair Follicle, Atrophy																									
Prepuce, Cyst Epithelial Inclusion																									
Subcutaneous Tissue, Degeneration																						3			
Subcutaneous Tissue, Inflammation, Acute																									
Subcutaneous Tissue, Inflammation, Chronic Active														3											
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Osteodystrophy	1							1				1		1	1										1

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 1.5W/kg(GSM)chr / ANIMAL ID	0683	0614	0291	0733	0732	0733	0734	0731	0734	0657	0730	0639	0713	0694	0731	0591	0696	0576	0709	0731	0730	0715	0730	0615	0655	males (cont...)
	00712	00713	00714	00715	00716	00717	00718	00719	00721	00722	00724	00725	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1	1	2	1	1				4			2	3	1	1			1			3		3		
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression				1																		2				
Cyst								X																		
Edema																						1				
Hemorrhage																										
Mineral																				1						
Necrosis																										
Vacuolation, Cytoplasmic																										
Choroid Plexus, Mineral							1																			
Glial Cell, Hyperplasia																								2		
Meninges, Mineral																										
Perivascular, Infiltration Cellular, Mononuclear Cell																										
Pineal Gland, Mineral			1		1						1							1								
Pineal Gland, Vacuolation, Cytoplasmic			1		2								1				4	1								
Nerve Trigeminal	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration				2	2	2	1	1	2	2	2	1	2	3	2		1	1	2	2		2	2		2	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	2		3	3	2	3	2	3	4	3	2	4	3	3	2	3	2	3	3	2	4	3	3	2	
Peripheral Nerve, Tibial	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	2		3	3		3	2	3	4	3	2	4	2	3	2	3	2	3	3	3	4	3	3	2	

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2) Mild 4) Marked

DAY ON TEST	0683	0614	0291	0733	0732	0733	0734	0731	0734	0657	0730	0639	0713	0694	0731	0591	0696	0576	0709	0731	0730	0715	0730	0615	0655	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	0071 2	0071 3	0071 4	0071 5	0071 6	0071 7	0071 8	0071 9	0072 1	0072 2	0072 4	0072 5	0072 6	0072 7	0072 8	0072 9	0073 0	0073 1	0073 2	0073 3	0073 4	0073 5	0073 6	0073 7	0073 8	**males (cont...)**
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1				1		1		1	1							1			1	1	1				
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1		1						1		1														
Nerve, Degeneration	2	3		3	3	3	2	3	3	4	3	1	3	3	3	2	2		1	2	2	2	4	3	2	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1			1	2	2	2	1	2	2	1		1	1	2				1	3	2	1	1			
Trigeminal Ganglion	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	I	+	
Degeneration				1			1		1	1			1	1	1								1			
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion										1						3			2						2	
Cyst															X											
Fibrosis														1												
Hemorrhage												2		3												
Inflammation, Suppurative																										
Inflammation, Chronic Active	1	2									1															
Alveolus, Infiltration Cellular, Histiocyte			1	2	1		1	1	1		1	2		4		1				1	1	1			1	
Artery, Inflammation, Chronic Active												4		2											2	
Epithelium Alveolus, Hyperplasia																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body							X									X										
Fungus																										
Inflammation, Suppurative				1	1		2				1					2		2	4							

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DAY ON TEST	0683	0614	0291	0733	0732	0733	0734	0731	0734	0657	0730	0639	0713	0694	0731	0591	0696	0576	0709	0731	0730	0715	0730	0615	0655	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	007112	007113	007114	007115	007116	007117	007118	007119	007221	007222	007224	007225	007226	007227	007228	007229	007330	007331	007332	007333	007334	007335	007336	007337	007338	**males (cont...)**
Inflammation, Chronic Active																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	3	2	2	2	3	2	1	2	3	2	2	3	2	2	2	2	2		2	2	2	1	2	1	
Olfactory Epithelium, Metaplasia, Respiratory				1	2						2															
Respiratory Epithelium, Accumulation, Hyaline Droplet																1										
Respiratory Epithelium, Atrophy																										
Respiratory Epithelium, Hyperplasia				1			2				2			1		1										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Anterior Chamber, Inflammation, Acute										1								2	1							
Cornea, Degeneration																						1				
Cornea, Fibrosis					1																					
Cornea, Inflammation, Acute				1	1				1	1				4	1	1	1	3	3		1	1				
Cornea, Neovascularization				1	2				1					1	1		1				1					
Cornea, Ulcer																		3	2							
Cornea, Epithelium, Degeneration																						1				
Cornea, Epithelium, Hyperplasia					2				1					2	2			2								
Cornea, Epithelium, Regeneration																		2	3							
Lens, Cataract											2					1										
Retina, Atrophy				1															1		3		1			
Retina, Dysplasia																										
Retina, Gliosis																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0683	0614	0291	0733	0732	0733	0734	0731	0734	0657	0730	0639	0713	0694	0731	0591	0696	0576	0709	0731	0730	0715	0730	0615	0655	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00712	00713	00714	00715	00716	00717	00718	00719	00721	00722	00724	00725	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	**males (cont...)**
Atrophy																										
Hypertrophy																										
Lacrimal Gland																					+					
Metaplasia, Harderian Gland																					2					
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy, Chronic Progressive	4	4	2	3	4	4	3	4	2	3	3	4	3	4	4		4	2	3	3	4	4	3	4	4	
Artery, Mineral																										
Pelvis, Dilation																	2									
Pelvis, Inflammation, Suppurative																										
Renal Tubule, Cyst					X	X						X	X	X	X						X					
Renal Tubule, Hyperplasia																										
Urothelium, Hyperplasia																	3									
Ureter																										
Dilation																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																	2									
Artery, Inflammation, Chronic Active																									1	
Serosa, Inflammation, Chronic Active																										
Urothelium, Hyperplasia																										

DAY ON TEST	0510	0718	0733	0731	0733	0518	0732	0309	0734	0732	0530	0732	0562	0703	0723	0731	0733	0732	0733	0734	0734	0320	0730	0732	0649	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00740	00742	00743	00744	00747	00748	00749	00750	00751	00752	00753	00754	00755	00756	00757	00758	00759	00762	00763	00764	00765	00766	00767	00768	00769	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Arteriole, Inflammation, Chronic Active				3																						
Intestine Large, Cecum	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Edema																										
Inflammation, Acute																										
Artery, Inflammation, Chronic Active				2						1					2											
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Edema																										
Artery, Inflammation, Chronic Active																		3								
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Hyperplasia, Lymphocyte																										
Artery, Inflammation, Chronic Active				3											3			2								
Intestine Small, Duodenum	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Artery, Inflammation, Chronic Active				2																						
Intestine Small, Jejunum	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus				X																						
Clear Cell Focus									X											X						
Eosinophilic Focus																										
Extramedullary Hematopoiesis																										

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DAY ON TEST	0510	0718	0733	0731	0733	0518	0732	0309	0734	0732	0530	0732	0562	0703	0723	0731	0733	0732	0733	0734	0734	0320	0730	0732	0649	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00740	00742	00743	00744	00747	00748	00749	00750	00751	00752	00753	00754	00755	00756	00757	00758	00759	00762	00763	00764	00765	00766	00767	00768	00769	**males (cont...)**
Infiltration Cellular, Mixed Cell																						1				
Mixed Cell Focus		X		X	X		X		X			X	X		X	X			X	X	X	X	X		
Artery, Inflammation, Chronic Active		4													2											
Artery, Thrombus		4																								
Bile Duct, Cyst																			X							
Bile Duct, Hyperplasia		1				1			1	1						1		1	1	2				1		
Centrilobular, Hepatocyte, Hypertrophy																										
Hepatocyte, Necrosis																									1	
Hepatocyte, Vacuolation, Cytoplasmic							1																			
Kupffer Cell, Pigment																										
Periductal, Cholangiofibrosis																										
Mesentery	+		+										+				+	+		+						
Inflammation, Chronic Active	1																									
Necrosis																										
Neovascularization																	2									
Arteriole, Inflammation, Chronic Active			2																							
Artery, Inflammation, Chronic Active																		2		1						
Artery, Mineral																										
Vein, Inflammation, Chronic Active																										
Oral Mucosa																										
Ulcer																										
Pancreas	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy					1																					
Acinus, Hyperplasia		3	1				3		2	3		3			3	1		4		3	1			2	2	
Artery, Inflammation, Chronic Active		4	2	1						1					1			3	2					1		
Artery, Mineral																										

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DAY ON TEST	051	071	073	073	073	051	073	030	073	073	053	073	056	070	072	073	073	073	073	073	073	032	073	073	064	
HARLAN SPRAGUE DAWLEY RATS MALE	0	8	3	1	3	8	2	9	4	2	0	2	2	3	3	1	3	2	3	4	4	0	0	2	9	
1.5W/kg(GSM)chr	0074	0074	0074	0074	0074	0074	0074	0075	0075	0075	0075	0075	0075	0075	0075	0075	0075	0076	0076	0076	0076	0076	0076	0076	0076	**males (cont...)**
ANIMAL ID	40	42	43	44	47	48	49	50	51	52	53	54	55	56	57	58	59	62	63	64	65	66	67	68	69	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active	3																									
Artery, Inflammation, Chronic Active				4														3						1		
Duct, Parotid Gland, Dilation		1																								
Parotid Gland, Atrophy						2				2			3	2		1		2								
Parotid Gland, Inflammation, Acute		1											2													
Submandibular Gland, Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst							X																			
Edema										2			1	2												
Erosion														2												
Inflammation, Acute																										
Inflammation, Chronic Active		1								3				2												
Ulcer										3																
Artery, Inflammation, Chronic Active																		3								
Epithelium, Degeneration																										
Epithelium, Hyperplasia		2	1							3				3									1			
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Inflammation, Granulomatous																										
Inflammation, Chronic Active																										
Mineral																										
Artery, Inflammation, Chronic Active																										
Tooth																										
Dysplasia																										

CARDIOVASCULAR SYSTEM

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00740	00742	00743	00744	00747	00748	00749	00750	00751	00752	00753	00754	00755	00756	00757	00758	00759	00762	00763	00764	00765	00766	00767	00768	00769	**males (cont...)**
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Aneurysm																										
Dilation																										
Mineral		1																								
Blood Vessel																										
Pulmonary Artery, Inflammation, Chronic Active																										
Pulmonary Artery, Necrosis																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy		3	2	3	2	2	2		1	2		1	2	1	1	1	1	2	2	2	1	1	1	2	2	
Artery, Inflammation, Chronic Active				2														1								
Artery, Mineral		2																	1							
Artery, Necrosis																										
Atrium, Thrombus																										
Endocardium, Hyperplasia, Schwann Cell																										
Myocardium, Mineral																										
Ventricle Right, Cardiomyopathy		3		2	2	1	1				3	1		1	2	1	1	2	2	2	2		1		2	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																										
Hyperplasia		2	2	2	2					2	2	1	2			1	1	2	2		2		2	1		
Hypertrophy				2		2	2		1					1	2			2			1			1	2	
Necrosis															1											
Thrombus																										
Vacuolation, Cytoplasmic		2	1		1	1							1						2					1	1	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00740	00742	00743	00744	00747	00748	00749	00750	00751	00752	00753	00754	00755	00756	00757	00758	00759	00762	00763	00764	00765	00766	00767	00768	00769	**males (cont...)**
Degeneration, Cystic																			2							
Hyperplasia		1	4						1					1	4				2	4			4		2	
Islets, Pancreatic	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		3										1	2											1		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst				X					X										X	X						
Pars Distalis, Hyperplasia					1	1						3	1			4	2	3	4		2				2	
Pars Intermedia, Cyst																										
Pars Intermedia, Hyperplasia																										
Pars Nervosa, Cyst																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia							1									1		2		2				1		
Follicle, Cyst																										
Follicular Cell, Hyperplasia																										
Follicular Cell, Hypertrophy																										

GENERAL BODY SYSTEM

Tissue NOS
Inflammation, Chronic Active
Abdominal, Fat, Inflammation, Chronic Active

GENITAL SYSTEM

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DAY ON TEST	0510	0718	0733	0731	0733	0518	0732	0309	0734	0732	0530	0732	0562	0703	0723	0731	0733	0732	0733	0734	0734	0320	0730	0732	0649	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00740	00742	00743	00744	00747	00748	00749	00750	00751	00752	00753	00754	00755	00756	00757	00758	00759	00762	00763	00764	00765	00766	00767	00768	00769	**males (cont...)**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell		2		1											1											
Hypospermia																2										
Inflammation, Acute																										
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Inflammation, Chronic Active	2		1	1	1				2			1			1		3	2	2		2			2	2	
Duct, Dilation			4	2	1				3			1		2	2	3		2	4	4	4				2	
Duct, Hyperplasia																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid																										
Inflammation, Suppurative								1																		
Inflammation, Acute																										
Inflammation, Chronic Active												2					3							2	2	
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia	1		3								1	3		2	1									2		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid															3											
Inflammation, Chronic Active																	3									
Artery, Inflammation, Chronic Active															2											
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																4										
Artery, Inflammation, Chronic Active		3	3	4					3	3				2	4			3	3	1				3		

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DAY ON TEST	0510	0718	0733	0731	0733	0518	0732	0309	0734	0732	0530	0732	0562	0703	0723	0731	0733	0732	0733	0734	0734	0320	0730	0732	0649	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00740	00742	00743	00744	00747	00748	00749	00750	00751	00752	00753	00754	00755	00756	00757	00758	00759	00762	00763	00764	00765	00766	00767	00768	00769	**males (cont...)**
Germ Cell, Degeneration		1		1			1								1	3								1		
Germinal Epithelium, Mineral																										
Interstitial Cell, Hyperplasia																										
Seminiferous Tubule, Dilation																										
Tunic, Hemorrhage																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Hypercellularity	3			1	1				1						2	1	3	1	1			2	1	1		
Lymph Node												+	+				+	+			+					
Artery, Mediastinal, Inflammation, Chronic Active																										
Artery, Mediastinal, Mineral																										
Iliac, Erythrophagocytosis												4														
Iliac, Proliferation, Plasma Cell																					2					
Iliac, Lymphatic Sinus, Ectasia																					2					
Lumbar, Erythrophagocytosis																										
Lumbar, Hemorrhage																										
Lumbar, Hyperplasia, Lymphocyte																	1									
Lumbar, Proliferation, Plasma Cell																	2									
Lumbar, Lymphatic Sinus, Ectasia																										
Lymphatic Sinus, Mediastinal, Ectasia																										
Lymphatic Sinus, Renal, Ectasia																										
Mediastinal, Erythrophagocytosis												3						1								
Mediastinal, Hemorrhage																										
Mediastinal, Infiltration Cellular, Histiocyte																										
Pancreatic, Erythrophagocytosis																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00740	00742	00743	00744	00747	00748	00749	00750	00751	00752	00753	00754	00755	00756	00757	00758	00759	00762	00763	00764	00765	00766	00767	00768	00769	**males (cont...)**
Renal, Erythrophagocytosis												2														
Renal, Hemorrhage																										
Renal, Hyperplasia, Lymphocyte																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy, Lymphoid																										
Erythrophagocytosis												3	3													
Hemorrhage																										
Hyperplasia, Lymphocyte			1	3	2		1			1	2			1	3		1		2	2			1	2	
Proliferation, Plasma Cell	3	3	4	2	2		1		1	3	1			3	2		2		3	2	2		2	2	1
Lymphatic Sinus, Ectasia																								1		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Erythrophagocytosis												3														
Lymphatic Sinus, Ectasia				1			1		1																	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	1		2	2	1		3		3		1	3	1		1	2	3		1	1	2	2		1	3	
Hyperplasia, Lymphocyte																										
Pigment	1	3	2	1		1	1	3	1	2	2			4		1			1		2			1		
Artery, Inflammation, Chronic Active															3											
Capsule, Fibrosis																										
Red Pulp, Atrophy										1				2												
White Pulp, Atrophy						1																			1	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2	4	2		2	3	2			3	3	2		3	3	1	3	2	2	1	1		2		1	
Cyst		X		X															X							
Ectopic Parathyroid Gland				X																						

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
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Ectopic Thyroid					X															X						
Hemorrhage																										
Hyperplasia, Epithelial				1			1											1								
Artery, Inflammation, Chronic Active				3																						
INTEGUMENTARY SYSTEM																										
Mammary Gland	M	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Inflammation, Granulomatous																							1			
Artery, Inflammation, Chronic Active																										
Duct, Dilation			1							2				1												
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion		X	X																							
Hyperkeratosis																										
Inflammation, Chronic Active	4																									
Ulcer	4																3						4			
Epidermis, Hyperplasia																							2			
Hair Follicle, Atrophy																										
Prepuce, Cyst Epithelial Inclusion					X																					
Subcutaneous Tissue, Degeneration																										
Subcutaneous Tissue, Inflammation, Acute																							3			
Subcutaneous Tissue, Inflammation, Chronic Active																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy		1											1													

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HARLAN SPRAGUE DAWLEY RATS MALE																										
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Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1	2	2	1					2		1	1	1	2								1	2		
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression							1							1												
Cyst																										
Edema														1												
Hemorrhage																										
Mineral												1														
Necrosis															2											
Vacuolation, Cytoplasmic																										
Choroid Plexus, Mineral																										
Glial Cell, Hyperplasia																										
Meninges, Mineral																										
Perivascular, Infiltration Cellular, Mononuclear Cell																					1					
Pineal Gland, Mineral			1	1																		1				
Pineal Gland, Vacuolation, Cytoplasmic			2	2												1		1				1				
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1	1	2	2				1	2		1	1	3	2	2	2	3	2		1		1	2	2	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	3	3	3	2	2	3		3	3	1	3	1	3	3	3	2	3	3	3	3	1	4	3	3	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	3	4	3	2		2		3	3	1	3	1	3	3	3	3	2	3	3	3		4	3	3	

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1.5W/kg(GSM)chr																										
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Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration			1		1				1	1		1			1	1	1		1	1	1					
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration									1																	
Nerve, Degeneration	1	2	3	3	2	1	3		3	3	2	3		2	3	3	2	3	3	3	3		3	3	3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1	2	2	3		2		2	2		2				1	3	3	2	3	3		2	1		
Trigeminal Ganglion	+	I	+	+	I	+	+	+	M	+	M	+	+	+	+	I	+	M	+	+	+	+	+	+	M	
Degeneration			1												1		1			1	1		1			
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion		1						1				2													2	
Cyst																										
Fibrosis																										
Hemorrhage													2													
Inflammation, Suppurative													2													
Inflammation, Chronic Active									2																	
Alveolus, Infiltration Cellular, Histiocyte	1			1	1	2	1	1				2	2	1	1	1	1					1				
Artery, Inflammation, Chronic Active																										
Epithelium Alveolus, Hyperplasia																	1									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Fungus																										
Inflammation, Suppurative		1																								

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00740	00742	00743	00744	00747	00748	00749	00750	00751	00752	00753	00754	00755	00756	00757	00758	00759	00762	00763	00764	00765	00766	00767	00768	00769	**males (cont...)**
Inflammation, Chronic Active																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	2	3	1	3	3	3	1	2	1	2	1	3	2	2	2	3	2	2	3	3	2	2	1	3	
Olfactory Epithelium, Metaplasia, Respiratory							1																			
Respiratory Epithelium, Accumulation, Hyaline Droplet																										
Respiratory Epithelium, Atrophy																										
Respiratory Epithelium, Hyperplasia																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Anterior Chamber, Inflammation, Acute		1																								
Cornea, Degeneration																										
Cornea, Fibrosis																										
Cornea, Inflammation, Acute		2	1	1																	1			1		
Cornea, Neovascularization			1	1																	1			2		
Cornea, Ulcer																										
Cornea, Epithelium, Degeneration																										
Cornea, Epithelium, Hyperplasia			1																							
Cornea, Epithelium, Regeneration																										
Lens, Cataract																										
Retina, Atrophy														1												
Retina, Dysplasia																										
Retina, Gliosis				2																						
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00740	00742	00743	00744	00747	00748	00749	00750	00751	00752	00753	00754	00755	00756	00757	00758	00759	00762	00763	00764	00765	00766	00767	00768	00769	**males (cont...)**
Atrophy																										
Hypertrophy				1																						
Lacrimal Gland																										
Metaplasia, Harderian Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy, Chronic Progressive	2	4	4	3	1	1	2	2	3	4	4	3	4	3	4	4	2	4	3	2	2	1	3	4	2	
Artery, Mineral																										
Pelvis, Dilation													2													
Pelvis, Inflammation, Suppurative																										
Renal Tubule, Cyst															X			X								
Renal Tubule, Hyperplasia																1										
Urothelium, Hyperplasia																										
Ureter													+													
Dilation													2													
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active																										
Serosa, Inflammation, Chronic Active																										
Urothelium, Hyperplasia																										

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DAY ON TEST	0638	0687	0687	0733	0705	0425	0730	0732	0731	0734	0734	0728	0730	0531	0731	0673	0655	0732	0733	0606	0731	0731	0665	0730	0730	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00770	00771	00772	00773	00774	00775	00776	00777	00778	00780	00781	00783	00784	00785	00786	00787	00788	00789	00790	00791	00792	00793	00795	00796	00797	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Arteriole, Inflammation, Chronic Active																										
Intestine Large, Cecum	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	A	+	+	
Edema																										
Inflammation, Acute																										
Artery, Inflammation, Chronic Active		3	1																			3				
Intestine Large, Colon	+	+	A	+	A	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	
Edema																								1		
Artery, Inflammation, Chronic Active		2																				3				
Intestine Large, Rectum	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphocyte																										
Artery, Inflammation, Chronic Active		3																				3				
Intestine Small, Duodenum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	A	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	+	A	+	+	
Artery, Inflammation, Chronic Active																										
Intestine Small, Jejunum	A	+	A	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus																										
Clear Cell Focus											X															
Eosinophilic Focus		X																				X				
Extramedullary Hematopoiesis																										

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DAY ON TEST	0638	0687	0687	0733	0705	0425	0730	0732	0731	0734	0734	0728	0730	0531	0731	0673	0655	0732	0733	0606	0731	0731	0665	0730	0730	
HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00770	00771	00772	00773	00774	00775	00776	00777	00778	00780	00781	00783	00784	00785	00786	00787	00788	00789	00790	00791	00792	00793	00795	00796	00797	**males (cont...)**
Infiltration Cellular, Mixed Cell																										
Mixed Cell Focus	X	X		X			X	X	X	X	X		X	X				X	X	X				X	X	
Artery, Inflammation, Chronic Active																										
Artery, Thrombus																										
Bile Duct, Cyst																						X		X		
Bile Duct, Hyperplasia	1				1					1	2				1	1					1	1		1		
Centrilobular, Hepatocyte, Hypertrophy																										
Hepatocyte, Necrosis																							1			
Hepatocyte, Vacuolation, Cytoplasmic												3												1		
Kupffer Cell, Pigment																										
Periductal, Cholangiofibrosis																										
Mesentery		+		+												+						+				
Inflammation, Chronic Active																										
Necrosis		3		3																						
Neovascularization																										
Arteriole, Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active		4														2						4				
Artery, Mineral																3										
Vein, Inflammation, Chronic Active																										
Oral Mucosa																										
Ulcer																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy		1	1				1		1				1	1		2						1				
Acinus, Hyperplasia		3		2	2		4		4	3	2	2	2		3	3	2	1			3	3	4	3		
Artery, Inflammation, Chronic Active		4	2		4								1		4	2	1				2	2				
Artery, Mineral																										

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

HARLAN SPRAGUE DAWLEY RATS MALE

1.5W/kg(GSM)chr

DAY ON TEST	0638	0687	0687	0733	0705	0425	0730	0732	0731	0734	0734	0728	0730	0531	0731	0673	0655	0732	0733	0606	0731	0731	0665	0730	0730	
ANIMAL ID	00770	00771	00772	00773	00774	00775	00776	00777	00778	00780	00781	00783	00784	00785	00786	00787	00788	00789	00790	00791	00792	00793	00795	00796	00797	**males (cont...)**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active		3																								
Duct, Parotid Gland, Dilation												3														
Parotid Gland, Atrophy												4			1									2		
Parotid Gland, Inflammation, Acute			3									1														
Submandibular Gland, Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Edema																	1							1		
Erosion																										
Inflammation, Acute																								2		
Inflammation, Chronic Active												2			2		2									
Ulcer																	1									
Artery, Inflammation, Chronic Active																					1	1				
Epithelium, Degeneration																								2		
Epithelium, Hyperplasia												4	1		3		4							1		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Granulomatous			2																							
Inflammation, Chronic Active																										
Mineral			3		2											3										
Artery, Inflammation, Chronic Active		3																								
Tooth																										
Dysplasia																										

CARDIOVASCULAR SYSTEM

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1.5W/kg(GSM)chr

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ANIMAL ID	00770	00771	00772	00773	00774	00775	00776	00777	00778	00780	00781	00783	00784	00785	00786	00787	00788	00789	00790	00791	00792	00793	00795	00796	00797	
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Aneurysm																										
Dilation																										
Mineral			3		1											3										
Blood Vessel																+										
Pulmonary Artery, Inflammation, Chronic Active																4										
Pulmonary Artery, Necrosis																3										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	3	2	3	1	1	1	1	1	2	1	2		2	3	1	1	1	2	2	3	2		2	
Artery, Inflammation, Chronic Active																	1					1				
Artery, Mineral			1		2											2										
Artery, Necrosis																										
Atrium, Thrombus																										
Endocardium, Hyperplasia, Schwann Cell								1																		
Myocardium, Mineral																2										
Ventricle Right, Cardiomyopathy					2			1	1	1	1			1				1		2	3	2	2	2		
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule							X															X				
Hyperplasia	1	1		2			3		2				1	2	2					1	3	2	2	2	2	
Hypertrophy	1			2	2				2		1	2	2		3	1	2		2		1			1	2	
Necrosis																1						2				
Thrombus		4																								
Vacuolation, Cytoplasmic	2			1	1					2	1	2	2			3						1				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS MALE																										
1.5W/kg(GSM)chr																										
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Degeneration, Cystic																										
Hyperplasia	1	1			2								1	1	3					1		4				
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia												4												2		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	1	3	4		4		1	2				2				4	1				1			1		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst																		X	X							
Pars Distalis, Hyperplasia		1		1	3				2		4		2									1		2		
Pars Intermedia, Cyst											X								X					X		
Pars Intermedia, Hyperplasia																										
Pars Nervosa, Cyst																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia									1	1	1		1	1							1				3	
Follicle, Cyst																										
Follicular Cell, Hyperplasia	1																									
Follicular Cell, Hypertrophy																										
GENERAL BODY SYSTEM																										
Tissue NOS	+													+									+			
Inflammation, Chronic Active	4																									
Abdominal, Fat, Inflammation, Chronic Active																										
GENITAL SYSTEM																										

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1.5W/kg(GSM)chr

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Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell		2	1		2							1			1	2		1	1		1	1	1	3		
Hypospermia	4	4		2	4		2									3	4	3				3	4	4		
Inflammation, Acute																										
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active							1															3				
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative								2																		
Inflammation, Chronic Active		3	2	1		1			2	1				2			1	3		1	1		4			
Duct, Dilation		2	4	2	3			3	3		1					2	3			3	3			2	3	
Duct, Hyperplasia																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid			2		2																					
Inflammation, Suppurative																										
Inflammation, Acute																2					1					
Inflammation, Chronic Active							1		1			1			3											
Artery, Inflammation, Chronic Active																						2				
Epithelium, Hyperplasia					1					1																
Seminal Vesicle	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid			3		3										3	4						4				
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active																										
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Artery, Inflammation, Chronic Active		4	2		4		3					1	2		3	3	4					4			3	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 1.5W/kg(GSM)chr / ANIMAL ID	0638 00770	0687 00771	0687 00772	0733 00773	0705 00774	0425 00775	0730 00776	0732 00777	0731 00778	0734 00780	0734 00781	0728 00783	0730 00784	0531 00785	0731 00786	0673 00787	0655 00788	0732 00789	0733 00790	0606 00791	0731 00792	0731 00793	0665 00795	0730 00796	0730 00797	males (cont...)
Germ Cell, Degeneration	4	4	1	2	3		3								1	3	3	3	1		1	2	3	2		
Germinal Epithelium, Mineral	1																									
Interstitial Cell, Hyperplasia																						3				
Seminiferous Tubule, Dilation				2																						
Tunic, Hemorrhage													2													
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Hypercellularity	1		1	1				2	2			2			1	2	1			1		2				
Lymph Node	+	+						+							+						+	+				
Artery, Mediastinal, Inflammation, Chronic Active																										
Artery, Mediastinal, Mineral																										
Iliac, Erythrophagocytosis	3																									
Iliac, Proliferation, Plasma Cell																										
Iliac, Lymphatic Sinus, Ectasia																										
Lumbar, Erythrophagocytosis																										
Lumbar, Hemorrhage																										
Lumbar, Hyperplasia, Lymphocyte																										
Lumbar, Proliferation, Plasma Cell																										
Lumbar, Lymphatic Sinus, Ectasia																										
Lymphatic Sinus, Mediastinal, Ectasia																										
Lymphatic Sinus, Renal, Ectasia		2																				1				
Mediastinal, Erythrophagocytosis																					2					
Mediastinal, Hemorrhage																										
Mediastinal, Infiltration Cellular, Histiocyte																						2				
Pancreatic, Erythrophagocytosis								2																		

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HARLAN SPRAGUE DAWLEY RATS MALE																										
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Renal, Erythrophagocytosis		3																								
Renal, Hemorrhage																										
Renal, Hyperplasia, Lymphocyte															1											
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy, Lymphoid																										
Erythrophagocytosis																										
Hemorrhage																										
Hyperplasia, Lymphocyte				2	2			2	1	1	2		2	1	1				1	2	2	1			1	
Proliferation, Plasma Cell	2	2	2	2	2			1	2	1	3	2	3	2	3					1	2	2			1	
Lymphatic Sinus, Ectasia								1											1			1		2		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	
Atrophy																										
Erythrophagocytosis				1	2			3																1		
Lymphatic Sinus, Ectasia																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	1			1		1			1	1	1							1	1	2	1	2	2	2	1	
Hyperplasia, Lymphocyte								1																		
Pigment		3	2	2	1	1	1			1	1	2	1		2	3	4	2	3			1	1	1		
Artery, Inflammation, Chronic Active																										
Capsule, Fibrosis																										
Red Pulp, Atrophy			3					2				1				2										
White Pulp, Atrophy			2													2							1			
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		3	4	1	3	2	3			2	1	1	1	2	3	4	3	1	3	2	3	2	4		1	
Cyst		X								X																
Ectopic Parathyroid Gland																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
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Ectopic Thyroid																										
Hemorrhage						2																				
Hyperplasia, Epithelial																										
Artery, Inflammation, Chronic Active		3																				3				
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	M	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																1						1				
Inflammation, Granulomatous																										
Artery, Inflammation, Chronic Active		3																								
Duct, Dilation												4			1		1				1					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																						X		X		
Hyperkeratosis																									1	
Inflammation, Chronic Active																										
Ulcer																										
Epidermis, Hyperplasia																									1	
Hair Follicle, Atrophy				1																						
Prepuce, Cyst Epithelial Inclusion																										
Subcutaneous Tissue, Degeneration																										
Subcutaneous Tissue, Inflammation, Acute																										
Subcutaneous Tissue, Inflammation, Chronic Active	3																									
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy		1	1		1											3				1						

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Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1	1	1	1		1	1			1	3	2	3		2						1		2	1	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression												1					2				1					
Cyst																										
Edema																										
Hemorrhage					1																					
Mineral								1																		
Necrosis		2			1																					
Vacuolation, Cytoplasmic																										
Choroid Plexus, Mineral																										
Glial Cell, Hyperplasia											2															
Meninges, Mineral														1												
Perivascular, Infiltration Cellular, Mononuclear Cell																										
Pineal Gland, Mineral																				1		1		1		
Pineal Gland, Vacuolation, Cytoplasmic									1											2		1		1	1	
Nerve Trigeminal	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	3		1	2		2	2	1	2	2	2	2	2	2	1		1	2			1		1	1	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	2	2	2	3	1	3	3	2	3	3	3	3	3	3	3	2	3	3	2	2	3	2	3	3	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	2	2	2	3		3	3	3	3	3	3	3	2	3	3	2	3	3	2	2	3	3	3	3	

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Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1			1		1		1	1	1	1	1	1	1			1	1					1		
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1		1			1								1								3			
Nerve, Degeneration	3	2	2	2	1		3	4	4	3	3	3	3	4	2	1	2	4	4	2	3	2		2	3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1	1	1	1		1	1	3	2	3	1	2	1	1	1		1	2	2	2	2	1	2	2	
Trigeminal Ganglion	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	
Degeneration	1								1		1		2		1					1		1				
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion	2					3						1								2			3			
Cyst																										
Fibrosis																										
Hemorrhage																										
Inflammation, Suppurative																										
Inflammation, Chronic Active													1		2	1										
Alveolus, Infiltration Cellular, Histiocyte		1		1		1		1		1			1				1		1							
Artery, Inflammation, Chronic Active																					1	2				
Epithelium Alveolus, Hyperplasia																								2		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Fungus	X																									
Inflammation, Suppurative				1							2															

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 1.5W/kg(GSM)chr / ANIMAL ID	0638 00770	0687 00771	0687 00772	0733 00773	0705 00774	0425 00775	0730 00776	0732 00777	0731 00778	0734 00780	0734 00781	0728 00783	0730 00784	0531 00785	0731 00786	0673 00787	0655 00788	0732 00789	0733 00790	0606 00791	0731 00792	0731 00793	0665 00795	0730 00796	0730 00797	males (cont...)
Inflammation, Chronic Active	3																									
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	3	2	1	2	2	2	2	2		2	2	1	2	2	2	2	3	2	2	2	2	4	3	1	
Olfactory Epithelium, Metaplasia, Respiratory											2															
Respiratory Epithelium, Accumulation, Hyaline Droplet																1										
Respiratory Epithelium, Atrophy			1													1										
Respiratory Epithelium, Hyperplasia	2			1							1															
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active		3																								
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	
Anterior Chamber, Inflammation, Acute																										
Cornea, Degeneration																										
Cornea, Fibrosis											1															
Cornea, Inflammation, Acute	1	2	3	1	3						1	1													1	
Cornea, Neovascularization		1									1	2														
Cornea, Ulcer																										
Cornea, Epithelium, Degeneration																										
Cornea, Epithelium, Hyperplasia	1	2			2						1														1	
Cornea, Epithelium, Regeneration																										
Lens, Cataract																										
Retina, Atrophy																		1			1	1				
Retina, Dysplasia					2																					
Retina, Gliosis																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 1.5W/kg(GSM)chr / ANIMAL ID	0638 00770	0687 00771	0687 00772	0733 00773	0705 00774	0425 00775	0730 00776	0732 00777	0731 00778	0734 00780	0734 00781	0728 00783	0730 00784	0531 00785	0731 00786	0673 00787	0655 00788	0732 00789	0733 00790	0606 00791	0731 00792	0731 00793	0665 00795	0730 00796	0730 00797	males (cont...)
Atrophy											1															
Hypertrophy																										
Lacrimal Gland																										
Metaplasia, Harderian Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy, Chronic Progressive	3	4	4	3	4	3	4	2	3	4	3	4	4	3	4	4	4	1	1	4	4	4	4	2	4	
Artery, Mineral																				1						
Pelvis, Dilation																										
Pelvis, Inflammation, Suppurative															2											
Renal Tubule, Cyst		X														X						X				
Renal Tubule, Hyperplasia																										
Urothelium, Hyperplasia															2											
Ureter																										
Dilation																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active																										
Serosa, Inflammation, Chronic Active																						3				
Urothelium, Hyperplasia															3											

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DAY ON TEST	0670	0582	0636	0733	0656	0720	0715	0730	0734	0732	0723	0734	0599	0486	0702	
HARLAN SPRAGUE DAWLEY RATS MALE																
1.5W/kg(GSM)chr																
ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815	*** TOTALS**
ALIMENTARY SYSTEM																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Arteriole, Inflammation, Chronic Active																**1 3.0**
Intestine Large, Cecum	A	+	+	+	+	+	+	+	+	+	+	+	A	A	A	**75**
Edema																**1 2.0**
Inflammation, Acute																**1 2.0**
Artery, Inflammation, Chronic Active			1													**9 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	**83**
Edema																**1 1.0**
Artery, Inflammation, Chronic Active	2															**5 2.4**
Intestine Large, Rectum	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	**81**
Hyperplasia, Lymphocyte																**1 3.0**
Artery, Inflammation, Chronic Active	3															**7 2.9**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	**82**
Intestine Small, Ileum	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	**76**
Artery, Inflammation, Chronic Active																**1 2.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	**76**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Basophilic Focus																**1**
Clear Cell Focus												X				**7**
Eosinophilic Focus									X			X				**5**
Extramedullary Hematopoiesis						1							1	1		**4 1.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																
1.5W/kg(GSM)chr																
ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815	*** TOTALS**
Infiltration Cellular, Mixed Cell																**2 1.5**
Mixed Cell Focus				X				X		X	X		X		X	**45**
Artery, Inflammation, Chronic Active			2													**5 2.4**
Artery, Thrombus																**1 4.0**
Bile Duct, Cyst																**3**
Bile Duct, Hyperplasia				1			2		2				1	1	1	**35 1.2**
Centrilobular, Hepatocyte, Hypertrophy																**1 1.0**
Hepatocyte, Necrosis														1		**6 1.3**
Hepatocyte, Vacuolation, Cytoplasmic																**4 2.0**
Kupffer Cell, Pigment														1		**1 1.0**
Periductal, Cholangiofibrosis																**1 3.0**
Mesentery		+	+				+									**19**
Inflammation, Chronic Active																**1 1.0**
Necrosis																**3 2.7**
Neovascularization																**1 2.0**
Arteriole, Inflammation, Chronic Active																**1 2.0**
Artery, Inflammation, Chronic Active			3				3									**12 2.7**
Artery, Mineral		1	2													**4 2.3**
Vein, Inflammation, Chronic Active			2													**1 2.0**
Oral Mucosa														+		**2**
Ulcer														4		**1 4.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Acinus, Atrophy						1					1					**16 1.1**
Acinus, Hyperplasia	3	1	4	4	2	3	3	3	3	2	2	4	2			**58 2.6**
Artery, Inflammation, Chronic Active	3	2	2													**28 2.1**
Artery, Mineral		2	2													**3 1.7**

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DAY ON TEST	0670	0582	0636	0733	0656	0720	0715	0730	0734	0732	0723	0734	0599	0486	0702	* TOTALS	
HARLAN SPRAGUE DAWLEY RATS MALE																	
1.5W/kg(GSM)chr																	
ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Inflammation, Chronic Active																**1**	**3.0**
Artery, Inflammation, Chronic Active																**7**	**2.6**
Duct, Parotid Gland, Dilation																**3**	**2.0**
Parotid Gland, Atrophy			2											3		**16**	**2.2**
Parotid Gland, Inflammation, Acute					1											**7**	**1.4**
Submandibular Gland, Atrophy																**1**	**2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Cyst																**1**	
Edema							1									**11**	**1.6**
Erosion																**1**	**2.0**
Inflammation, Acute																**1**	**2.0**
Inflammation, Chronic Active						2								1	2	**14**	**1.7**
Ulcer														2	3	**8**	**2.3**
Artery, Inflammation, Chronic Active																**4**	**1.8**
Epithelium, Degeneration																**1**	**2.0**
Epithelium, Hyperplasia						3								3	2	**21**	**2.5**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	**88**	
Inflammation, Granulomatous																**1**	**2.0**
Inflammation, Chronic Active			2													**3**	**1.3**
Mineral		2	4													**7**	**2.9**
Artery, Inflammation, Chronic Active	2															**2**	**2.5**
Tooth														+		**1**	
Dysplasia														X			**1**

CARDIOVASCULAR SYSTEM

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HARLAN SPRAGUE DAWLEY RATS MALE																
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Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Aneurysm	4															**1 4.0**
Dilation																**1 3.0**
Mineral		2	3													**7 2.3**
Blood Vessel																**2**
Pulmonary Artery, Inflammation, Chronic Active																**1 4.0**
Pulmonary Artery, Necrosis																**1 3.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cardiomyopathy	2	3	3	1	3	1	3	1	2	1	2	2	1		2	**82 1.8**
Artery, Inflammation, Chronic Active																**5 1.4**
Artery, Mineral		2	3													**7 1.9**
Artery, Necrosis											2					**1 2.0**
Atrium, Thrombus															2	**1 2.0**
Endocardium, Hyperplasia, Schwann Cell																**1 1.0**
Myocardium, Mineral			2													**2 2.0**
Ventricle Right, Cardiomyopathy	2	2	2		1	1	2	1	2	1	2	1	1	2		**62 1.5**
ENDOCRINE SYSTEM																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Accessory Adrenal Cortical Nodule											X					**7**
Hyperplasia		3		1			1	2		1			2			**46 1.8**
Hypertrophy	1		2		2		1	1		2						**43 1.6**
Necrosis																**3 1.3**
Thrombus																**1 4.0**
Vacuolation, Cytoplasmic		2	2		1		1			1						**32 1.4**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**

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HARLAN SPRAGUE DAWLEY RATS MALE																
1.5W/kg(GSM)chr																
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Degeneration, Cystic																**1 2.0**
Hyperplasia			2			2		1		3						**24 2.1**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Hyperplasia																**5 2.8**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	**87**
Hyperplasia	2	3	4		3		2			1	2			2		**35 2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Pars Distalis, Cyst				X												**9**
Pars Distalis, Hyperplasia			4					1			1	2	4			**34 2.4**
Pars Intermedia, Cyst						X										**5**
Pars Intermedia, Hyperplasia						4										**1 4.0**
Pars Nervosa, Cyst																**1**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
C-cell, Hyperplasia				3			2				1	3		1		**24 1.9**
Follicle, Cyst																**1**
Follicular Cell, Hyperplasia																**1 1.0**
Follicular Cell, Hypertrophy									2							**1 2.0**
GENERAL BODY SYSTEM																
Tissue NOS												+				**4**
Inflammation, Chronic Active																**1 4.0**
Abdominal, Fat, Inflammation, Chronic Active												4				**1 4.0**
GENITAL SYSTEM																

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HARLAN SPRAGUE DAWLEY RATS MALE

1.5W/kg(GSM)chr

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ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815	*** TOTALS**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Exfoliated Germ Cell		1	3											1		**26 1.5**
Hypospermia		3	3		4								4			**20 3.2**
Inflammation, Acute																**1 2.0**
Inflammation, Chronic Active										1						**1 1.0**
Artery, Inflammation, Chronic Active																**2 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Inflammation, Suppurative																**1 2.0**
Inflammation, Chronic Active				1	3			2		1	2	2	2	1		**48 1.8**
Duct, Dilation	2	2	2		3	2	2	3	3			3			2	**53 2.6**
Duct, Hyperplasia																**1 2.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Decreased Secretory Fluid					2					2					2	**6 2.0**
Inflammation, Suppurative																**1 1.0**
Inflammation, Acute							1									**3 1.3**
Inflammation, Chronic Active	1									1	1					**15 1.9**
Artery, Inflammation, Chronic Active																**1 2.0**
Epithelium, Hyperplasia							1				2	2				**13 1.6**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Decreased Secretory Fluid		2	3		4					3	3				2	**18 2.9**
Inflammation, Chronic Active										1						**4 2.5**
Artery, Inflammation, Chronic Active																**1 2.0**
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Edema													3			**2 3.5**
Artery, Inflammation, Chronic Active	4	3	3				3					2				**40 2.9**

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Germ Cell, Degeneration		3	3		4								3	1		**35 2.2**
Germinal Epithelium, Mineral																**1 1.0**
Interstitial Cell, Hyperplasia																**2 3.5**
Seminiferous Tubule, Dilation																**1 2.0**
Tunic, Hemorrhage																**1 2.0**
HEMATOPOIETIC SYSTEM																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hemorrhage					2											**1 2.0**
Hypercellularity	2	1			4	1			1	2	4		3	1		**42 1.8**
Lymph Node		+							+	+		+				**22**
Artery, Mediastinal, Inflammation, Chronic Active		2														**1 2.0**
Artery, Mediastinal, Mineral		2														**1 2.0**
Iliac, Erythrophagocytosis																**2 3.5**
Iliac, Proliferation, Plasma Cell																**1 2.0**
Iliac, Lymphatic Sinus, Ectasia												1				**2 1.5**
Lumbar, Erythrophagocytosis																**1 1.0**
Lumbar, Hemorrhage																**1 2.0**
Lumbar, Hyperplasia, Lymphocyte																**1 1.0**
Lumbar, Proliferation, Plasma Cell																**1 2.0**
Lumbar, Lymphatic Sinus, Ectasia									2							**2 2.0**
Lymphatic Sinus, Mediastinal, Ectasia										3						**1 3.0**
Lymphatic Sinus, Renal, Ectasia																**3 1.7**
Mediastinal, Erythrophagocytosis										1						**5 2.0**
Mediastinal, Hemorrhage		3														**1 3.0**
Mediastinal, Infiltration Cellular, Histiocyte																**1 2.0**
Pancreatic, Erythrophagocytosis																**1 2.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																
1.5W/kg(GSM)chr																
ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815	*** TOTALS**
Renal, Erythrophagocytosis																**4 2.5**
Renal, Hemorrhage																**1 3.0**
Renal, Hyperplasia, Lymphocyte																**1 1.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy, Lymphoid																**1 3.0**
Erythrophagocytosis																**2 3.0**
Hemorrhage																**1 2.0**
Hyperplasia, Lymphocyte			2				2		3			2	2			**50 1.8**
Proliferation, Plasma Cell	2	1	2		4		2	2	2		2	1	1	3	2	**67 2.1**
Lymphatic Sinus, Ectasia					4		2									**12 1.8**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Atrophy																**1 3.0**
Erythrophagocytosis																**7 1.9**
Lymphatic Sinus, Ectasia																**3 1.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Extramedullary Hematopoiesis					2	3		1	1		3	2	4	2		**58 1.9**
Hyperplasia, Lymphocyte							2									**2 1.5**
Pigment	2		2		1	2	1	1	1					2	3	**62 1.8**
Artery, Inflammation, Chronic Active																**1 3.0**
Capsule, Fibrosis																**1 1.0**
Red Pulp, Atrophy			2												2	**10 2.0**
White Pulp, Atrophy		2	1												1	**16 1.8**
Thymus	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	**86**
Atrophy	1	4	4	2	4		3	2	2	3	2		2	3	2	**71 2.4**
Cyst					X						X	X				**10**
Ectopic Parathyroid Gland																**1**

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0670	0582	0636	0733	0656	0720	0715	0730	0734	0732	0723	0734	0599	0486	0702	
HARLAN SPRAGUE DAWLEY RATS MALE																
1.5W/kg(GSM)chr																
ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815	*** TOTALS**
Ectopic Thyroid										X						**4**
Hemorrhage															2	**2 2.0**
Hyperplasia, Epithelial																**4 1.0**
Artery, Inflammation, Chronic Active																**3 3.0**
INTEGUMENTARY SYSTEM																
Mammary Gland	+	+	M	+	+	+	+	+	+	+	M	+	+	+	M	**76**
Hyperplasia																**2 1.0**
Inflammation, Granulomatous																**1 1.0**
Artery, Inflammation, Chronic Active																**1 3.0**
Duct, Dilation					3									2		**13 1.7**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst Epithelial Inclusion										X						**6**
Hyperkeratosis																**1 1.0**
Inflammation, Chronic Active																**1 4.0**
Ulcer																**3 3.7**
Epidermis, Hyperplasia																**2 1.5**
Hair Follicle, Atrophy																**1 1.0**
Prepuce, Cyst Epithelial Inclusion																**1**
Subcutaneous Tissue, Degeneration																**1 3.0**
Subcutaneous Tissue, Inflammation, Acute																**1 3.0**
Subcutaneous Tissue, Inflammation, Chronic Active																**2 3.0**
MUSCULOSKELETAL SYSTEM																
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Fibrous Osteodystrophy	1	1	1		1		1									**18 1.1**

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HARLAN SPRAGUE DAWLEY RATS MALE																
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ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815	*** TOTALS**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration		1	1	3	4	1	1		1		3				2	**49 1.6**
NERVOUS SYSTEM																
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Compression					2									2		**9 1.4**
Cyst																**1**
Edema																**2 1.0**
Hemorrhage																**1 1.0**
Mineral			1													**4 1.0**
Necrosis																**3 1.7**
Vacuolation, Cytoplasmic						1										**1 1.0**
Choroid Plexus, Mineral																**1 1.0**
Glial Cell, Hyperplasia																**2 2.0**
Meninges, Mineral																**1 1.0**
Perivascular, Infiltration Cellular, Mononuclear Cell																**1 1.0**
Pineal Gland, Mineral																**10 1.0**
Pineal Gland, Vacuolation, Cytoplasmic	3		2		3	1										**19 1.6**
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Degeneration	2		2	1	2	1	1	2	2	2	2	2			2	**69 1.7**
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2	1	2	4	3	2	3	3	2	4	3	3	2	1	3	**88 2.6**
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Degeneration	3	2	2	4	3	2	3	3	2	3	4	3	2	1	3	**84 2.7**

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HARLAN SPRAGUE DAWLEY RATS MALE																
1.5W/kg(GSM)chr																
ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815	*** TOTALS**
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration				1	1			1	1		1					**38 1.0**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration																**10 1.2**
Nerve, Degeneration	2	2	2	4	4	2	3	2	3	3	3	3	2		3	**82 2.6**
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	1	1	1	2	1		1	2	2	1	1	1			1	**68 1.6**
Trigeminal Ganglion	+	+	+	+	+	M	+	+	M	+	+	+	M	+	+	**73**
Degeneration				1				1				1		3		**25 1.1**
RESPIRATORY SYSTEM																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion											1				3	**15 1.9**
Cyst																**1**
Fibrosis																**1 1.0**
Hemorrhage										1						**4 2.0**
Inflammation, Suppurative																**1 2.0**
Inflammation, Chronic Active												1				**8 1.4**
Alveolus, Infiltration Cellular, Histiocyte		1	2	1					1		1					**40 1.2**
Artery, Inflammation, Chronic Active																**5 2.2**
Epithelium Alveolus, Hyperplasia			3													**3 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Foreign Body										X						**3**
Fungus																**1**
Inflammation, Suppurative						2				1						**12 1.7**

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HARLAN SPRAGUE DAWLEY RATS MALE																	
1.5W/kg(GSM)chr																	
ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815	*** TOTALS**	
Inflammation, Chronic Active																**1**	**3.0**
Olfactory Epithelium, Accumulation, Hyaline Droplet		2	2	1	2	2	2	2	2	2	1	2	3	2	1	**87**	**2.1**
Olfactory Epithelium, Metaplasia, Respiratory											2					**6**	**1.7**
Respiratory Epithelium, Accumulation, Hyaline Droplet																**2**	**1.0**
Respiratory Epithelium, Atrophy																**2**	**1.0**
Respiratory Epithelium, Hyperplasia	2		2							2						**11**	**1.5**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	**88**	
Artery, Inflammation, Chronic Active																**1**	**3.0**
SPECIAL SENSES SYSTEM																	
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**86**	
Anterior Chamber, Inflammation, Acute			2													**5**	**1.4**
Cornea, Degeneration																**1**	**1.0**
Cornea, Fibrosis									1							**3**	**1.0**
Cornea, Inflammation, Acute	1	1	2		1	2	3		1			1				**33**	**1.5**
Cornea, Neovascularization	1					1	1		1			2				**19**	**1.2**
Cornea, Ulcer																**2**	**2.5**
Cornea, Epithelium, Degeneration							1									**2**	**1.0**
Cornea, Epithelium, Hyperplasia	1		1			1	3		1			2				**17**	**1.5**
Cornea, Epithelium, Regeneration																**2**	**2.5**
Lens, Cataract																**2**	**1.5**
Retina, Atrophy				1					1							**10**	**1.2**
Retina, Dysplasia																**1**	**2.0**
Retina, Gliosis																**1**	**2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	

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HARLAN SPRAGUE DAWLEY RATS MALE																
1.5W/kg(GSM)chr																
ANIMAL ID	00798	00799	00800	00801	00804	00805	00806	00807	00808	00810	00811	00812	00813	00814	00815	*** TOTALS**
Atrophy																**1 1.0**
Hypertrophy						1										**2 1.0**
Lacrimal Gland																**1**
Metaplasia, Harderian Gland																**1 2.0**
URINARY SYSTEM																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Nephropathy, Chronic Progressive	4	4	4	1	4	2	4	2	4	3	3	4	2	3	3	**89 3.2**
Artery, Mineral																**1 1.0**
Pelvis, Dilation																**2 2.0**
Pelvis, Inflammation, Suppurative																**1 2.0**
Renal Tubule, Cyst		X			X				X	X	X					**17**
Renal Tubule, Hyperplasia							1									**2 1.0**
Urothelium, Hyperplasia																**2 2.5**
Ureter																**1**
Dilation																**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Inflammation, Chronic Active																**1 2.0**
Artery, Inflammation, Chronic Active																**1 1.0**
Serosa, Inflammation, Chronic Active																**1 3.0**
Urothelium, Hyperplasia																**1 3.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00923	00924	00926	00927	00928	00930	00931	00932	00933	00934	00935	00937	00938	00939	00941	00942	00943	00944	00945	00946	00947	00949	00950	00951	00953	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																										
Intestine Large, Cecum	A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																										
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																										
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Artery, Inflammation, Chronic Active																										
Intestine Small, Duodenum	A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Intestine Small, Ileum	A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Dilation																										
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis							3																			
Clear Cell Focus				X		X	X	X					X	X		X	X			X						
Eosinophilic Focus																										
Extramedullary Hematopoiesis																										
Hepatodiaphragmatic Nodule										X																
Mixed Cell Focus				X	X		X	X		X		X	X	X	X	X	X	X		X	X	X				

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00923	00924	00926	00927	00928	00930	00931	00932	00933	00934	00935	00937	00938	00939	00941	00942	00943	00944	00945	00946	00947	00949	00950	00951	00953	**males (cont...)**
Artery, Inflammation, Chronic Active																							1			
Bile Duct, Cyst																										
Bile Duct, Hyperplasia			1		1		1	2			1	2		1			1	1				2			2	
Hepatocyte, Degeneration, Cystic																										
Hepatocyte, Necrosis											2														2	
Hepatocyte, Vacuolation, Cytoplasmic	1	3									2															
Periductal, Cholangiofibrosis																										
Mesentery	+	+										+			+										+	
Necrosis		3																								
Artery, Inflammation, Chronic Active	1											3			2											
Artery, Mineral															1											
Pancreas	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy		1				1					1					1	1		1	1	2					
Acinus, Hyperplasia				3	4	2	2	4		4		3					2		4				4	3	3	
Artery, Inflammation, Chronic Active		1									1	3		1				2					2	2		
Artery, Mineral																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active												2														
Duct, Parotid Gland, Dilation															1											
Parotid Gland, Atrophy		4												2	3											
Parotid Gland, Inflammation, Acute																										
Sublingual Gland, Inflammation, Acute																										
Submandibular Gland, Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Erosion																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00923	00924	00926	00927	00928	00930	00931	00932	00933	00934	00935	00937	00938	00939	00941	00942	00943	00944	00945	00946	00947	00949	00950	00951	00953	**males (cont...)**
Inflammation, Chronic Active															3											
Mineral																										
Ulcer			2																							
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia		1													3											
Epithelium, Hyperplasia, Basal Cell														2												
Stomach, Glandular	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																										
Hemorrhage																										
Inflammation, Acute																										
Mineral															1									1		
Ulcer																										
Artery, Inflammation, Chronic Active																										
Tooth																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Mineral															1									1		
Blood Vessel																										
Pulmonary Artery, Inflammation, Chronic Active																										
Pulmonary Artery, Necrosis																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	2	2	2	1		1	3	3		2		1	2		2	3	2	2	3	1	3	3	3	
Artery, Infiltration Cellular, Histiocyte												1														

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00923	00924	00926	00927	00928	00930	00931	00932	00933	00934	00935	00937	00938	00939	00941	00942	00943	00944	00945	00946	00947	00949	00950	00951	00953	**males (cont...)**
Artery, Inflammation, Chronic Active																										
Artery, Mineral																										
Atrium, Dilation																										
Myocardium, Mineral																										
Ventricle Right, Cardiomyopathy	2	1	2	1			2				1	2			1	2	3	4	2	2	2		1	3	3	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule										X		X											X			
Angiectasis																					2					
Atrophy																										
Congestion																										
Degeneration, Cystic				1														2								
Hemorrhage																										
Hyperplasia	1							2		2			4		2	2		3	2	2	1	3	2			
Hypertrophy						2	1	1	1	1	3	2	2	1		1		2	1			1	2	1		
Necrosis																										
Vacuolation, Cytoplasmic		2								2			1						1		3	1	1	2		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		3									1	1				1	2	1			2			1		
Islets, Pancreatic	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	1													1	3	4			2		2	2	3	2	2	
Hyperplasia, Focal																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00923	00924	00926	00927	00928	00930	00931	00932	00933	00934	00935	00937	00938	00939	00941	00942	00943	00944	00945	00946	00947	00949	00950	00951	00953	**males (cont...)**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Necrosis																								3		
Pars Distalis, Cyst				X							X						X						X			
Pars Distalis, Hyperplasia				1	3				2					1	1	2	3			3	2	3	4			
Pars Intermedia, Cyst					X											X					X					
Pars Intermedia, Hyperplasia					2																					
Pars Nervosa, Developmental Malformation																										
Thyroid Gland	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Thymus																										
C-cell, Hyperplasia		1		1								3		3		2	1	1								
Follicle, Cyst																										
GENERAL BODY SYSTEM																										
Tissue NOS																	+		+						+	
Fat, Necrosis																	2		3							
Mediastinum, Inflammation, Chronic Active																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell	1	3				2	1					1			1								2	1		
Hypospermia		3		1			4						2											4		
Artery, Inflammation, Chronic Active																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Inflammation, Chronic Active				2	2		1	1	2	2		1	1	2		3		2		1	3				2	

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DAY ON TEST	0636	0709	0570	0734	0732	0731	0732	0733	0645	0734	0610	0734	0733	0730	0717	0733	0732	0730	0731	0730	0699	0734	0730	0718	0716	
HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00923	00924	00926	00927	00928	00930	00931	00932	00933	00934	00935	00937	00938	00939	00941	00942	00943	00944	00945	00946	00947	00949	00950	00951	00953	**males (cont...)**
Duct, Dilation	3	2	4	2	2	1		2				3	2	4	4	4	4	2		2		1			3	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid																										
Inflammation, Suppurative													1													
Inflammation, Acute									4			1				1										
Inflammation, Chronic Active																	2							1	1	
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia		1								1												2				
Seminal Vesicle	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid											2				4		3						4			
Inflammation, Acute																										
Inflammation, Chronic															2											
Inflammation, Chronic Active																										
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Artery, Inflammation, Chronic Active	4				1	2						3		3	1			3					1	4	3	
Germ Cell, Degeneration	1	2		1			3			1		1	2		2			1					2	3		
Seminiferous Tubule, Dilation																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Hypercellularity					2	1	1	1	4			1			3		2		1		2				1	
Lymph Node	+						+		+														+		+	
Bronchial, Erythrophagocytosis																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00923	00924	00926	00927	00928	00930	00931	00932	00933	00934	00935	00937	00938	00939	00941	00942	00943	00944	00945	00946	00947	00949	00950	00951	00953	**males (cont...)**
Iliac, Erythrophagocytosis																										
Iliac, Infiltration Cellular, Histiocyte	2																									
Iliac, Pigment																										
Iliac, Proliferation, Plasma Cell																										
Lumbar, Erythrophagocytosis																										
Lumbar, Lymphatic Sinus, Ectasia																										
Lymphatic Sinus, Renal, Ectasia																							1			
Mediastinal, Congestion																										
Mediastinal, Erythrophagocytosis							1																			
Pancreatic, Proliferation, Plasma Cell																										
Renal, Erythrophagocytosis																							1			
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis																			2					2		
Hyperplasia, Lymphocyte				2	1		3	3				2	2	2		2	2	2	3	2	2		1	2	2	
Pigment																										
Proliferation, Plasma Cell		3	3	2		1	1	2		2		2	3	3	2	1	2	2	3	2	2	1	2	3	2	
Lymphatic Sinus, Ectasia				3	3	1	1			1									3			2				
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Depletion Cellular																										
Erythrophagocytosis																2		2			2					
Hyperplasia, Lymphocyte																			3							
Infiltration Cellular, Histiocyte																										
Artery, Inflammation, Chronic Active																										
Lymphatic Sinus, Ectasia																	2									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis				1	2	3	2	1		2		2	2			1	2		2	1	1	1	1			
Hemorrhage																2			1							

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
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Hyperplasia, Lymphocyte																		2								
Hyperplasia, Plasma Cell																										
Pigment	2	2	3	1	1	1	1					1	2	2	2	2	1	2	1	1	3	1	1	3	1	
Artery, Inflammation, Chronic Active				2																						
Artery, Mineral																										
Red Pulp, Atrophy		3																								
White Pulp, Atrophy		2	1												2										1	
Thymus	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2	4	4	2	2	2			2		3		1		4	2	2	1	3	1	2	1	1	4	1	
Cyst																										
Ectopic Parathyroid Gland																										
Hemorrhage									2																	
Hyperplasia, Epithelial																								2		
Thrombus																										
Artery, Inflammation, Chronic Active																					3					

INTEGUMENTARY SYSTEM

Mammary Gland	M	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hyperplasia															1											
Duct, Dilation																								2		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																										
Hyperkeratosis																										
Inflammation, Chronic																										
Inflammation, Chronic Active																			3							
Ulcer																			4							

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
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Epidermis, Hyperplasia																										
Hair Follicle, Atrophy																										
Subcutaneous Tissue, Inflammation, Chronic Active																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy															1			1					1			
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		3		2	1			1					1		2		2	3		1		1	2	1	1	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression												1														
Cyst																										
Edema											1															
Hemorrhage																								3		
Mineral																										
Necrosis																					2					
Brain Stem, Hemorrhage											2															
Glial Cell, Hyperplasia																				3						
Meninges, Hyperplasia, Granular Cell																									1	
Meninges, Metaplasia, Osseous																										
Pineal Gland, Infiltration Cellular, Mononuclear Cell																										
Pineal Gland, Mineral											1															
Pineal Gland, Vacuolation, Cytoplasmic								1			1	3						1	2				1			

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00923	00924	00926	00927	00928	00930	00931	00932	00933	00934	00935	00937	00938	00939	00941	00942	00943	00944	00945	00946	00947	00949	00950	00951	00953	**males (cont...)**
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1		1	1		2	1	2		1	3	2	1			2	2	1	1	2	3	2	1	2	3	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	3	1	4	3	2	3	3	2	2	2	2	2	3	3	3	3	3	2	2	3	3	2	3	3	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	3	1	4	3	3	2	2	2	2	2	2	2	3	3	3	4	3	2	2	3	3	3	3	3	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1		1				1		1	2		1			1		1			1		1	1		
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1																						1			
Nerve, Degeneration	2	1		3	4	3	3	2	2	3	2	2	3	3	2	3	3	3	2	3	2	3	4	2	2	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1	1	2	2	1	2	1	1	2		3	2	2		2	3	2	2	2	1	2	2	2	2	
Trigeminal Ganglion	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Degeneration		1			1											1	1									
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion		1	3																							
Foreign Body	X																									
Hemorrhage																										
Inflammation, Suppurative	3																									
Inflammation, Granulomatous																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
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Inflammation, Chronic Active											2												3			
Mineral																										
Alveolar Epithelium, Hyperplasia																										
Alveolus, Infiltration Cellular, Histiocyte				1	1			1					2	1	2	2	1	1				2		1		
Artery, Inflammation, Chronic Active												3											4			
Bronchiole, Hyperplasia, Epithelial																										
Epithelium Alveolus, Hyperplasia								3																		
Interstitium, Fibrosis																							1			
Interstitium, Mineral																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body	X																									
Hyperplasia, Lymphocyte																						2				
Inflammation, Suppurative	3										1											2				
Inflammation, Chronic Active														3												
Mineral																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	1		2	1	1	1	1	2		2	1	1	2	2	1	2	2	2	1	2	3	1	1	2	
Olfactory Epithelium, Atrophy																										
Olfactory Epithelium, Hyperplasia																										
Olfactory Epithelium, Metaplasia, Respiratory															1											
Respiratory Epithelium, Accumulation, Hyaline Droplet																										
Respiratory Epithelium, Hyperplasia																		1				2				
Respiratory Epithelium, Metaplasia, Squamous																						1				
Trachea	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

SPECIAL SENSES SYSTEM

DAY ON TEST	0636	0709	0570	0734	0732	0731	0732	0733	0645	0734	0610	0734	0733	0730	0717	0733	0732	0730	0731	0730	0699	0734	0730	0718	0716	
HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00923	00924	00926	00927	00928	00930	00931	00932	00933	00934	00935	00937	00938	00939	00941	00942	00943	00944	00945	00946	00947	00949	00950	00951	00953	**males (cont...)**
Eye	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Anterior Chamber, Inflammation, Acute																										
Cornea, Fibrosis																							1			
Cornea, Inflammation, Acute												1			2			1		1	1		1	4		
Cornea, Neovascularization												1		1	1	1	2	2		2	1			1		
Cornea, Ulcer																										
Cornea, Epithelium, Degeneration																							1	2		
Cornea, Epithelium, Hyperplasia												1			2			3					1	4		
Cornea, Epithelium, Regeneration																										
Retina, Atrophy							1	1										1			1				1	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Cyst																										
Inflammation, Granulomatous													1													
Inflammation, Chronic																			1							
Inflammation, Chronic Active																										
Lacrimal Gland																										
Inflammation, Granulomatous																										
Metaplasia, Harderian Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct																										
Inflammation, Suppurative																										
Mineral																										
Nephropathy, Chronic Progressive	4	3	3	3	2	4	2	3	2	4	3	3	2	3	4	2	3	4	2	3	3	2	4	4	4	
Pelvis, Dilation															3											

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HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
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Pelvis, Inflammation, Suppurative																										
Renal Tubule, Accumulation, Hyaline Droplet															3											
Renal Tubule, Cyst																		X						X		
Renal Tubule, Hyperplasia																										
Urothelium, Hyperplasia																										
Urethra															+											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation															4											
Urothelium, Hyperplasia															1											

DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	063	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																										
Intestine Large, Cecum	+	+	+	+	+	+	A	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active									3					3				1								
Intestine Large, Colon	+	+	+	+	+	+	A	A	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active									2					3												
Intestine Large, Rectum	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	
Cyst																										
Artery, Inflammation, Chronic Active									2					2												
Intestine Small, Duodenum	+	+	+	+	+	+	+	A	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	
Dilation																										
Intestine Small, Ileum	+	+	+	+	A	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	A	+	A	A	+	+	+	A	A	A	+	+	+	+	A	+	+	+	+	+	+	
Dilation																										
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Clear Cell Focus		X		X													X				X	X			X	
Eosinophilic Focus																X										
Extramedullary Hematopoiesis																										
Hepatodiaphragmatic Nodule																										
Mixed Cell Focus						X			X		X				X		X	X			X	X	X	X	X	

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	063	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Artery, Inflammation, Chronic Active																										
Bile Duct, Cyst										X																
Bile Duct, Hyperplasia	1	1			1		1			1								1	1			1	2			
Hepatocyte, Degeneration, Cystic																										
Hepatocyte, Necrosis							1			1			2													
Hepatocyte, Vacuolation, Cytoplasmic					2																					
Periductal, Cholangiofibrosis																										
Mesentery			+				+		+	+	+		+						+	+						
Necrosis																										
Artery, Inflammation, Chronic Active			1				2		2	4	4		4						2	3						
Artery, Mineral													3						4							
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy											2															
Acinus, Hyperplasia		1	2			2	2		4	3	2					4	3	2		3				3	2	
Artery, Inflammation, Chronic Active			1			1	2		2	4	4		2	3		4		3	3	3			2			
Artery, Mineral													3						2							
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																				3						
Duct, Parotid Gland, Dilation																										
Parotid Gland, Atrophy					2	1						2											1			
Parotid Gland, Inflammation, Acute							2												2							
Sublingual Gland, Inflammation, Acute																										
Submandibular Gland, Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Erosion																										

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+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	066	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Inflammation, Chronic Active																										
Mineral																										
Ulcer																										
Artery, Inflammation, Chronic Active																		2		2						
Epithelium, Hyperplasia													2					1								
Epithelium, Hyperplasia, Basal Cell																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																										
Hemorrhage																										
Inflammation, Acute																										
Mineral							2						4						3							
Ulcer																										
Artery, Inflammation, Chronic Active									1																	
Tooth																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																		1	2							
Mineral							1	1				2	3					1	4							
Blood Vessel									+																	
Pulmonary Artery, Inflammation, Chronic Active									2																	
Pulmonary Artery, Necrosis									1																	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1	2	2		2	2	3	2	2	2	2	4	4	3		2	1	2	4	3	2	2	3	2	2	
Artery, Infiltration Cellular, Histiocyte																										

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DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	066	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Artery, Inflammation, Chronic Active							1									1								1		
Artery, Mineral							1						2						3							
Atrium, Dilation												2														
Myocardium, Mineral												1	1						3							
Ventricle Right, Cardiomyopathy		3	1		2	2	3	3	1		1	2	2	1		1		2	3	2	1	1	1	2	2	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																										
Angiectasis																										
Atrophy																										
Congestion																										
Degeneration, Cystic																										
Hemorrhage											2															
Hyperplasia		1	2		1	2	3			2			1	2		2	1		2		1	2	1			
Hypertrophy		1				1		1		3	2			1	1	2		1		1	1	1	1	1		
Necrosis													1													
Vacuolation, Cytoplasmic					2	1				1			1	2			1					1			2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	3		1		2		4	1		2						4					2	2	1	4		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																2										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	
Hyperplasia			2		3	2	4		3	2	2	3	2		2	1	2	1	4					1	1	
Hyperplasia, Focal																										

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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 3.0W/kg(GSM)chr / ANIMAL ID	0699 0954	0731 0955	0730 0957	0454 0959	0728 0960	0733 0961	0693 0962	0539 0963	0628 0964	0722 0965	0636 0966	0708 0968	0727 0970	0700 0971	0550 0972	0730 0973	0732 0974	0731 0975	0663 0976	0732 0977	0731 0978	0730 0979	0730 0980	0733 0981	0733 0982	males (cont...)
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Necrosis																										
Pars Distalis, Cyst																X										
Pars Distalis, Hyperplasia		2	2	1			3				2							4	2							
Pars Intermedia, Cyst																							X			
Pars Intermedia, Hyperplasia																										
Pars Nervosa, Developmental Malformation																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Thymus						X																				
C-cell, Hyperplasia			1		1	1					1						3				1					
Follicle, Cyst																										
GENERAL BODY SYSTEM																										
Tissue NOS																										
Fat, Necrosis																										
Mediastinum, Inflammation, Chronic Active																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell	2		1		1		2		1		3			1	2	1			1	1			2			
Hypospermia			4								3	4	4		3	3			3				2			
Artery, Inflammation, Chronic Active														4												
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative							1							4												
Inflammation, Chronic Active	1	2	1	2		2		1		3	1	2				1		2		1	3			1	3	

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DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	063	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Duct, Dilation		3				2	2			2		1		3		2		3		4	3			2	1	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid							3					4														
Inflammation, Suppurative																										
Inflammation, Acute										1																
Inflammation, Chronic Active					1	2						2								1					1	
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia				3	2													2								
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid	2		3		1		2			2	3	4	4						4							
Inflammation, Acute												3														
Inflammation, Chronic																										
Inflammation, Chronic Active																										
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																	3						3			
Artery, Inflammation, Chronic Active			4			3	4		3	3	3	4		4		4		3	4	3			2	1	2	
Germ Cell, Degeneration	2	1	3		1		2		1		2	4	4	1	2	3			3	1			2	1		
Seminiferous Tubule, Dilation																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage												2														
Hypercellularity				1	2		1	1			3		3	1	4	1						1				
Lymph Node										+	+	+														
Bronchial, Erythrophagocytosis											4															

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DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	066	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Iliac, Erythrophagocytosis																										
Iliac, Infiltration Cellular, Histiocyte																										
Iliac, Pigment												2														
Iliac, Proliferation, Plasma Cell												1														
Lumbar, Erythrophagocytosis										1																
Lumbar, Lymphatic Sinus, Ectasia										2																
Lymphatic Sinus, Renal, Ectasia																										
Mediastinal, Congestion																										
Mediastinal, Erythrophagocytosis																										
Pancreatic, Proliferation, Plasma Cell																										
Renal, Erythrophagocytosis										2		3														
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis					3																					
Hyperplasia, Lymphocyte	1		2				1	1		1				2	1	2		3	2		1	2	2	2	3	
Pigment																										
Proliferation, Plasma Cell	3	1	2		2		2	1		2	3		2	2	2	2		3	1	1	1	1	2	3	3	
Lymphatic Sinus, Ectasia	1				2									2	1					1				3		
Lymph Node, Mesenteric	+	+	+	+	+	+	A	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	
Depletion Cellular																										
Erythrophagocytosis																										
Hyperplasia, Lymphocyte																										
Infiltration Cellular, Histiocyte																							1			
Artery, Inflammation, Chronic Active									2																	
Lymphatic Sinus, Ectasia																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis		1		1	2	2				1	2			2	1	2	1	1		1	1	1	1	1	2	
Hemorrhage																										

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DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	066	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Hyperplasia, Lymphocyte																										
Hyperplasia, Plasma Cell																			2							
Pigment	3	1	2	2	2	1	3		1	2	1	4	3	3	1	2	1	1	2	1	3	1	1		1	
Artery, Inflammation, Chronic Active																										
Artery, Mineral																			2							
Red Pulp, Atrophy			2				2					3	2			1										
White Pulp, Atrophy							2					2	2													
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	2	3		3	1	2	2	1	1	3	4	4	2	2	1	2	1	4	3	1	3	1	1	2	
Cyst	X	X		X																			X		X	
Ectopic Parathyroid Gland																						X			X	
Hemorrhage																										
Hyperplasia, Epithelial																										
Thrombus																								2		
Artery, Inflammation, Chronic Active																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hyperplasia						4			1																	
Duct, Dilation	2																								1	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																			X							
Hyperkeratosis																								2		
Inflammation, Chronic						4																				
Inflammation, Chronic Active																										
Ulcer																										

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DAY ON TEST	0699	0731	0730	0454	0728	0733	0693	0539	0628	0722	0636	0708	0727	0700	0550	0730	0732	0731	0663	0732	0731	0730	0730	0733	0733	
HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Epidermis, Hyperplasia																								2		
Hair Follicle, Atrophy																										
Subcutaneous Tissue, Inflammation, Chronic Active																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy							1		1		1	1	1						1							
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2		1		2		2	1			1	2	3			1	1	2	2	2		1	1			
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression	2																								1	
Cyst																										
Edema																										
Hemorrhage																										
Mineral																	1	1								
Necrosis									2																	
Brain Stem, Hemorrhage																										
Glial Cell, Hyperplasia		2																								
Meninges, Hyperplasia, Granular Cell																										
Meninges, Metaplasia, Osseous																										
Pineal Gland, Infiltration Cellular, Mononuclear Cell																										
Pineal Gland, Mineral																										
Pineal Gland, Vacuolation, Cytoplasmic			2								2	3			2											

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DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	063	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Nerve Trigeminal	+	+	+	+	+	M	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration			2		2		1	2		2	1	2	3	1	2	1	3			2	2			2	2	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	2	3	2	3	2	2	2	2	2	2	3	2	2	2	3	3	3	2	3	2	3	2	3	3	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	2	3	2	2	2	2	2	2	3	2	3	2	2	2	3	3	3	2	3	2	3	3	3	3	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1			1	1								1			1	1		1		1	1	1	1	
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1	1				1							1			1									
Nerve, Degeneration	2	2	3	1	3	3	3	2	3	3	2	3	2	1	1	3	3	3	2	3	3	3	3	3	3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	2	2		2	2	1		1	1	1		1	1		3	3	1	1	3	2	2	2	2	3	
Trigeminal Ganglion	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	M	I	+	+	+	M	+	+	+	+	
Degeneration			1					1		1		1	1					1		1			1			
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion		2			1							1							2					1		
Foreign Body																										
Hemorrhage											2		2													
Inflammation, Suppurative										2																
Inflammation, Granulomatous																	1									

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	066	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	0095 4	0095 5	0095 7	0095 9	0096 0	0096 1	0096 2	0096 3	0096 4	0096 5	0096 6	0096 8	0097 0	0097 1	0097 2	0097 3	0097 4	0097 5	0097 6	0097 7	0097 8	0097 9	0098 0	0098 1	0098 2	**males (cont...)**
Inflammation, Chronic Active											3															
Mineral																										
Alveolar Epithelium, Hyperplasia																										
Alveolus, Infiltration Cellular, Histiocyte		1			1		2			1		2	4		2	1	1					1	1		1	
Artery, Inflammation, Chronic Active									2		3															
Bronchiole, Hyperplasia, Epithelial											2															
Epithelium Alveolus, Hyperplasia															2											
Interstitium, Fibrosis																										
Interstitium, Mineral							2												3							
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Hyperplasia, Lymphocyte																										
Inflammation, Suppurative		1											1											1		
Inflammation, Chronic Active																										
Mineral																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	1	2		1	2	2	2	3	2	1	2		1	2		2		1	3	2	2	2	1	1	2	
Olfactory Epithelium, Atrophy																										
Olfactory Epithelium, Hyperplasia																										
Olfactory Epithelium, Metaplasia, Respiratory					1					1						2										
Respiratory Epithelium, Accumulation, Hyaline Droplet																										
Respiratory Epithelium, Hyperplasia		1					1																			
Respiratory Epithelium, Metaplasia, Squamous																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	

SPECIAL SENSES SYSTEM

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DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	063	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Anterior Chamber, Inflammation, Acute							2						2													
Cornea, Fibrosis																										
Cornea, Inflammation, Acute							1		1		2		2						4					1		
Cornea, Neovascularization											1								1							
Cornea, Ulcer																			3							
Cornea, Epithelium, Degeneration																										
Cornea, Epithelium, Hyperplasia									2															2		
Cornea, Epithelium, Regeneration											2								1							
Retina, Atrophy																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Cyst																										
Inflammation, Granulomatous																										
Inflammation, Chronic													1													
Inflammation, Chronic Active																										
Lacrimal Gland						+															+					
Inflammation, Granulomatous																					2					
Metaplasia, Harderian Gland						3															3					
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct															1											
Inflammation, Suppurative																										
Mineral																			3							
Nephropathy, Chronic Progressive	1	2	4	1	4	4	4	4	4	4	4	4	4	4	1	4	3	4	4	4	3	3	4	3	3	
Pelvis, Dilation																										

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1-4 .. Lesion qualified as:
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DAY ON TEST	069	073	073	045	072	073	069	053	062	072	063	070	072	070	055	073	073	073	066	073	073	073	073	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	0	4	8	3	3	9	8	2	6	8	7	0	0	0	2	1	3	2	1	0	0	3	3	
3.0W/kg(GSM)chr ANIMAL ID	00954	00955	00957	00959	00960	00961	00962	00963	00964	00965	00966	00968	00970	00971	00972	00973	00974	00975	00976	00977	00978	00979	00980	00981	00982	**males (cont...)**
Pelvis, Inflammation, Suppurative																										
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Cyst			X			X			X		X	X						X								
Renal Tubule, Hyperplasia																		2								
Urothelium, Hyperplasia																										
Urethra																										
Urinary Bladder	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Urothelium, Hyperplasia																										

DAY ON TEST	0731	0677	0733	0734	0614	0722	0537	0733	0734	0733	0732	0732	0505	0732	0730	0731	0724	0734	0677	0734	0732	0734	0661	0625	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00983	00984	00985	00986	00987	00988	00989	00990	00991	00992	00993	00994	00996	00997	00998	00999	01000	01001	01002	01003	01004	01005	01007	01008	01009	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																										
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	
Artery, Inflammation, Chronic Active						1																				
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	
Artery, Inflammation, Chronic Active						2		3																		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Cyst									X																	
Artery, Inflammation, Chronic Active								1																		
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Dilation		2																								
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	A	+	
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	A	+	
Dilation		2																								
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Clear Cell Focus			X	X					X		X							X		X						
Eosinophilic Focus																X										
Extramedullary Hematopoiesis																										
Hepatodiaphragmatic Nodule																									X	
Mixed Cell Focus	X		X	X			X		X		X	X		X	X	X		X		X	X	X		X	X	

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DAY ON TEST	0731	0677	0733	0734	0614	0722	0537	0733	0734	0733	0732	0732	0505	0732	0730	0731	0724	0734	0677	0734	0732	0734	0661	0625	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00983	00984	00985	00986	00987	00988	00989	00990	00991	00992	00993	00994	00996	00997	00998	00999	01000	01001	01002	01003	01004	01005	01007	01008	01009	**males (cont...)**
Artery, Inflammation, Chronic Active																										
Bile Duct, Cyst						X																				
Bile Duct, Hyperplasia			1					2				1			1	1		1			2	2			1	
Hepatocyte, Degeneration, Cystic																										
Hepatocyte, Necrosis																			3							
Hepatocyte, Vacuolation, Cytoplasmic		2											2						4				3	1		
Periductal, Cholangiofibrosis																										
Mesentery						+		+																		
Necrosis																										
Artery, Inflammation, Chronic Active						4		3																		
Artery, Mineral						2																				
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Acinus, Atrophy																		1								
Acinus, Hyperplasia	4		1			1		3	3	4	1	3			2		3	2			2	2		1		
Artery, Inflammation, Chronic Active						4		3				3					1									
Artery, Mineral						1																				
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active								3																		
Duct, Parotid Gland, Dilation																										
Parotid Gland, Atrophy		3				1							2			3	2		2							
Parotid Gland, Inflammation, Acute																										
Sublingual Gland, Inflammation, Acute																										
Submandibular Gland, Atrophy		3																								
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																			3							
Erosion																			2							

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1-4 .. Lesion qualified as:
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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 3.0W/kg(GSM)chr / ANIMAL ID	0731 00983	0677 00984	0733 00985	0734 00986	0614 00987	0722 00988	0537 00989	0733 00990	0734 00991	0733 00992	0732 00993	0732 00994	0505 00996	0732 00997	0730 00998	0731 00999	0724 01000	0734 01001	0677 01002	0734 01003	0732 01004	0734 01005	0661 01007	0625 01008	0731 01009	males (cont...)
Inflammation, Chronic Active		2			2										1											
Mineral																	2									
Ulcer		2					2																			
Artery, Inflammation, Chronic Active																										
Epithelium, Hyperplasia		4			4										2				2				2			
Epithelium, Hyperplasia, Basal Cell																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Erosion		2																	1							
Hemorrhage																			2							
Inflammation, Acute																			1							
Mineral						3											2									
Ulcer																						1				
Artery, Inflammation, Chronic Active																										
Tooth																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Mineral						1											1									
Blood Vessel																										
Pulmonary Artery, Inflammation, Chronic Active																										
Pulmonary Artery, Necrosis																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	2	1		3		2	2	2	2	2	1		1	3	3	1	1	1	1	2	2	2	1	
Artery, Infiltration Cellular, Histiocyte																										

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1-4 .. Lesion qualified as:
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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 3.0W/kg(GSM)chr / ANIMAL ID	07311 00983	06777 00984	07333 00985	07344 00986	06144 00987	07222 00988	05377 00989	07333 00990	07344 00991	07333 00992	07322 00993	07322 00994	05055 00996	07322 00997	07300 00998	07311 00999	07244 01000	07344 01001	06777 01002	07344 01003	07322 01004	07344 01005	06611 01007	06255 01008	07311 01009	males (cont...)
Artery, Inflammation, Chronic Active																										
Artery, Mineral																										
Atrium, Dilation																										
Myocardium, Mineral																										
Ventricle Right, Cardiomyopathy	2		1	2		3	2	2	2	1	1	3	2	2	3	3	3	1	2		1	3	3	1	1	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule			X																	X		X				
Angiectasis																										
Atrophy																										
Congestion																			1							
Degeneration, Cystic																										
Hemorrhage																										
Hyperplasia				1	2	1		1					1		1	4		3	3		2			3	2	
Hypertrophy		1	1	1	1		2	1	1									1		2	2			1	1	
Necrosis													2						1							
Vacuolation, Cytoplasmic			2													2			3					1	2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	
Hyperplasia		1			1										2											
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Hyperplasia														2					1						4	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		2	1			2	1			1		2				2	2	1	1			1				
Hyperplasia, Focal	3																						2			

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 3.0W/kg(GSM)chr / ANIMAL ID	0731 00983	0677 00984	0733 00985	0734 00986	0614 00987	0722 00988	0537 00989	0733 00990	0734 00991	0733 00992	0732 00993	0732 00994	0505 00996	0732 00997	0730 00998	0731 00999	0724 01000	0734 01001	0677 01002	0734 01003	0732 01004	0734 01005	0661 01007	0625 01008	0731 01009	males (cont...)
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Necrosis																										
Pars Distalis, Cyst			X		X	X					X			X								X			X	
Pars Distalis, Hyperplasia		2				4		3		2				2	4	2		3		4						
Pars Intermedia, Cyst				X					X					X												
Pars Intermedia, Hyperplasia															2											
Pars Nervosa, Developmental Malformation			X																							
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Thymus																										
C-cell, Hyperplasia								3								4				3		1				
Follicle, Cyst					X																					
GENERAL BODY SYSTEM																										
Tissue NOS											+															
Fat, Necrosis																										
Mediastinum, Inflammation, Chronic Active											3															
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell		2		1		2		1		1		1							1							
Hypospermia		2		2		2				1						4	4	4	4			4				
Artery, Inflammation, Chronic Active																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																			3							
Inflammation, Chronic Active	1	2	2	2	2	1	2	2	2	1		2	2	1	1		1	2		2	3				2	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 3.0W/kg(GSM)chr / ANIMAL ID	0731 00983	0677 00984	0733 00985	0734 00986	0614 00987	0722 00988	0537 00989	0733 00990	0734 00991	0733 00992	0732 00993	0732 00994	0505 00996	0732 00997	0730 00998	0731 00999	0724 01000	0734 01001	0677 01002	0734 01003	0732 01004	0734 01005	0661 01007	0625 01008	0731 01009	males (cont...)
Duct, Dilation	3	3	1	1	3	4		3	2	2		1		1			1	1	4		1	4				
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid		2			2	2										2										
Inflammation, Suppurative																										
Inflammation, Acute													4				3									
Inflammation, Chronic Active																										
Artery, Inflammation, Chronic Active	2																									
Epithelium, Hyperplasia															2											
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid		4			4	4										4	4		4							
Inflammation, Acute													4				3									
Inflammation, Chronic																										
Inflammation, Chronic Active																										
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema									1																	
Artery, Inflammation, Chronic Active	2							4		2		3				4	3	3								
Germ Cell, Degeneration	1	2		2		3		1		2		1				4	4	3	4			3				
Seminiferous Tubule, Dilation																		2								
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage						2											3									
Hypercellularity	1	3							1				1		2											
Lymph Node		+				+				+		+	+	+		+						+				
Bronchial, Erythrophagocytosis																						2				

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HARLAN SPRAGUE DAWLEY RATS MALE

3.0W/kg(GSM)chr

DAY ON TEST	0731	0677	0733	0734	0614	0722	0537	0733	0734	0733	0732	0732	0505	0732	0730	0731	0724	0734	0677	0734	0732	0734	0661	0625	0731	
ANIMAL ID	00983	00984	00985	00986	00987	00988	00989	00990	00991	00992	00993	00994	00996	00997	00998	00999	01000	01001	01002	01003	01004	01005	01007	01008	01009	**males (cont...)**
Iliac, Erythrophagocytosis																2										
Iliac, Infiltration Cellular, Histiocyte																										
Iliac, Pigment																										
Iliac, Proliferation, Plasma Cell																										
Lumbar, Erythrophagocytosis																										
Lumbar, Lymphatic Sinus, Ectasia																										
Lymphatic Sinus, Renal, Ectasia																										
Mediastinal, Congestion						4							2													
Mediastinal, Erythrophagocytosis										2		3		1								2				
Pancreatic, Proliferation, Plasma Cell		2																								
Renal, Erythrophagocytosis																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis							2																			
Hyperplasia, Lymphocyte	3	1	2		2	1		2	2	2		3		1	1	1		2				2		1	3	
Pigment								2																		
Proliferation, Plasma Cell	2	2	2		2	2	1	1	2	2		3		1	2	1		2				2	3	2	1	
Lymphatic Sinus, Ectasia			4			2			2						1			4						3		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Depletion Cellular																			4							
Erythrophagocytosis									2	1									3							
Hyperplasia, Lymphocyte																										
Infiltration Cellular, Histiocyte																										
Artery, Inflammation, Chronic Active																										
Lymphatic Sinus, Ectasia		2																								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	1		1	1			2		2	1				1	3			1	2	2	1		1	1	1	
Hemorrhage																										

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M .. Missing tissue
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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 3.0W/kg(GSM)chr / ANIMAL ID	073 1 00983	067 7 00984	073 3 00985	073 4 00986	061 4 00987	072 2 00988	053 7 00989	073 3 00990	073 4 00991	073 3 00992	073 2 00993	073 2 00994	050 5 00996	073 2 00997	073 0 00998	073 1 00999	072 4 01000	073 4 01001	067 7 01002	073 4 01003	073 2 01004	073 4 01005	066 1 01007	062 5 01008	073 1 01009	males (cont...)
Hyperplasia, Lymphocyte																										
Hyperplasia, Plasma Cell																										
Pigment	2	1	2	1		2	1	1	1	2	1	1	2	1		4	3	1		1	1		2		1	
Artery, Inflammation, Chronic Active	2											2														
Artery, Mineral																										
Red Pulp, Atrophy		3														3	3									
White Pulp, Atrophy		2				2							1				2		3							
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	
Atrophy	2	4	1	1	3	4		1	1	2	4	1	4	1		2	4		4		1	1	3	3		
Cyst										X	X															
Ectopic Parathyroid Gland																										
Hemorrhage													2													
Hyperplasia, Epithelial																					1					
Thrombus																										
Artery, Inflammation, Chronic Active																2										
INTEGUMENTARY SYSTEM																										
Mammary Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																1	3									
Hyperplasia					1																					
Duct, Dilation																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion		X			X											X				X			X			
Hyperkeratosis										1																
Inflammation, Chronic																										
Inflammation, Chronic Active																		3								
Ulcer																		2								

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 3.0W/kg(GSM)chr / ANIMAL ID	07311	06777	07333	07334	06144	07222	05377	07333	07334	07333	07332	07332	05055	07332	07330	07311	07244	07334	06777	07334	07332	07334	06611	06255	07311	
	00983	00984	00985	00986	00987	00988	00989	00990	00991	00992	00993	00994	00996	00997	00998	00999	01000	01001	01002	01003	01004	01005	01007	01008	01009	**males (cont...)**
Epidermis, Hyperplasia										1																
Hair Follicle, Atrophy		2																								
Subcutaneous Tissue, Inflammation, Chronic Active															4											
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy						1											1									
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2			4	2					1					2	2				1	1		1	1	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression	1																									
Cyst														X												
Edema																										
Hemorrhage							3																			
Mineral								1		1						1	2									
Necrosis							3																			
Brain Stem, Hemorrhage																										
Glial Cell, Hyperplasia								4																		
Meninges, Hyperplasia, Granular Cell																										
Meninges, Metaplasia, Osseous																								2		
Pineal Gland, Infiltration Cellular, Mononuclear Cell			1																							
Pineal Gland, Mineral			1											1	1					1						
Pineal Gland, Vacuolation, Cytoplasmic						1							2	1	1					1						

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DAY ON TEST	0731	0677	0733	0734	0614	0722	0537	0733	0734	0733	0732	0732	0505	0732	0730	0731	0724	0734	0677	0734	0732	0734	0661	0625	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00983	00984	00985	00986	00987	00988	00989	00990	00991	00992	00993	00994	00996	00997	00998	00999	01000	01001	01002	01003	01004	01005	01007	01008	01009	**males (cont...)**
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	2	2	2		3		2	2	2	2		4	1	2	3	1	2	1	2				1	2	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	2	2	3	2	3	2	4	3	4	3	4	4	2	2	3	3	3	3	3	4	2	2	2	3	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	3	2	3	3	3	2	3	3	3	3	3	4	2	2	3	3	3	3	3	3	3	2	2	3	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration						1		1	1	1	1	1		1	1	1	1	1		1	1	1			1	
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration			1								1	1			1		1				1		1	1		
Nerve, Degeneration	3	2	3	3	2	3	2	3	4	3	4	3		3	2	4	3	3	3	3	3	2	2	3	4	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1	2	2				1	2	1	2	3		2	2	2	1	2	2	3	2	2		1	3	
Trigeminal Ganglion	+	+	+	+	+	+	M	+	+	+	M	M	+	+	+	+	M	M	M	+	+	+	+	+	+	
Degeneration	1		1							1						1				1	1	2				
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion													2													
Foreign Body										X																
Hemorrhage										1																
Inflammation, Suppurative																										
Inflammation, Granulomatous																										

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 3.0W/kg(GSM)chr / ANIMAL ID	0731 00983	0677 00984	0733 00985	0734 00986	0614 00987	0722 00988	0537 00989	0733 00990	0734 00991	0733 00992	0732 00993	0732 00994	0505 00996	0732 00997	0730 00998	0731 00999	0724 01000	0734 01001	0677 01002	0734 01003	0732 01004	0734 01005	0661 01007	0625 01008	0731 01009	males (cont...)
Inflammation, Chronic Active							2			1																
Mineral																										
Alveolar Epithelium, Hyperplasia					4																					
Alveolus, Infiltration Cellular, Histiocyte	1	1	2		2	1	2									1	1	3	1		1	1			1	
Artery, Inflammation, Chronic Active								3																		
Bronchiole, Hyperplasia, Epithelial																										
Epithelium Alveolus, Hyperplasia																										
Interstitium, Fibrosis																										
Interstitium, Mineral																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Hyperplasia, Lymphocyte																		2								
Inflammation, Suppurative		2				1			2							1	2	1								
Inflammation, Chronic Active																										
Mineral			1																							
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	1	1	2	2	2	3	1	2		3	2	2	2	2	1	1	2	2	2	2	3	2	2	2	
Olfactory Epithelium, Atrophy		2																								
Olfactory Epithelium, Hyperplasia		1																						1		
Olfactory Epithelium, Metaplasia, Respiratory			2								1						2									
Respiratory Epithelium, Accumulation, Hyaline Droplet																										
Respiratory Epithelium, Hyperplasia		2				2			2						2	2	2	1								
Respiratory Epithelium, Metaplasia, Squamous																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

SPECIAL SENSES SYSTEM

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DAY ON TEST	073	067	073	073	061	072	053	073	073	073	073	073	050	073	073	073	072	073	067	073	073	073	061	062	073	
HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00983	00984	00985	00986	00987	00988	00989	00990	00991	00992	00993	00994	00996	00997	00998	00999	01000	01001	01002	01003	01004	01005	01007	01008	01009	**males (cont...)**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Anterior Chamber, Inflammation, Acute																							4			
Cornea, Fibrosis						2		1							1											
Cornea, Inflammation, Acute			1	1		3		2	1	1							2						3			
Cornea, Neovascularization			1	1	2			2	1	1					1		1									
Cornea, Ulcer																										
Cornea, Epithelium, Degeneration																										
Cornea, Epithelium, Hyperplasia			2	3		3		3									1									
Cornea, Epithelium, Regeneration																										
Retina, Atrophy			1												1											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Cyst			X																							
Inflammation, Granulomatous											1															
Inflammation, Chronic																										
Inflammation, Chronic Active																								1		
Lacrimal Gland																										
Inflammation, Granulomatous																										
Metaplasia, Harderian Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct																										
Inflammation, Suppurative																			2							
Mineral																										
Nephropathy, Chronic Progressive	2	1	3	3	3	4	2	4	2	3	3	4	2	1	2	4	4	3	2	1	2	2	2	2	3	
Pelvis, Dilation																										

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DAY ON TEST	0731	0677	0733	0734	0614	0722	0537	0733	0734	0733	0732	0732	0505	0732	0730	0731	0724	0734	0677	0734	0732	0734	0661	0625	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	00983	00984	00985	00986	00987	00988	00989	00990	00991	00992	00993	00994	00996	00997	00998	00999	01000	01001	01002	01003	01004	01005	01007	01008	01009	**males (cont...)**
Pelvis, Inflammation, Suppurative														2												
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Cyst						X		X		X						X	X									
Renal Tubule, Hyperplasia																										
Urothelium, Hyperplasia													2													
Urethra																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Dilation																										
Urothelium, Hyperplasia													2													

DAY ON TEST	0501	0731	0579	0717	0649	0732	0733	0636	0734	0527	0614	0730	0731	0594	0526	
HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
ALIMENTARY SYSTEM																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Artery, Inflammation, Chronic Active														2		**1 2.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	**79**
Artery, Inflammation, Chronic Active														1		**5 1.8**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	**81**
Artery, Inflammation, Chronic Active														1		**5 2.2**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**85**
Cyst																**1**
Artery, Inflammation, Chronic Active					2											**4 1.8**
Intestine Small, Duodenum	+	+	+	+	A	+	+	+	+	A	+	+	+	+	A	**79**
Dilation																**1 2.0**
Intestine Small, Ileum	+	+	+	A	+	+	+	+	+	A	+	+	+	+	A	**78**
Intestine Small, Jejunum	+	+	+	A	A	+	+	A	+	A	+	+	+	+	A	**70**
Dilation																**1 2.0**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Angiectasis																**1 3.0**
Clear Cell Focus						X										**22**
Eosinophilic Focus																**2**
Extramedullary Hematopoiesis	1															**1 1.0**
Hepatodiaphragmatic Nodule																**2**
Mixed Cell Focus	X	X					X	X	X		X	X	X			**50**

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DAY ON TEST	0501	0731	0579	0717	0649	0732	0733	0636	0734	0527	0614	0730	0731	0594	0526	
HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
Artery, Inflammation, Chronic Active																**1 1.0**
Bile Duct, Cyst																**2**
Bile Duct, Hyperplasia				1	1	1		1	2				1	2	2	**37 1.3**
Hepatocyte, Degeneration, Cystic					1											**1 1.0**
Hepatocyte, Necrosis														2	2	**8 1.9**
Hepatocyte, Vacuolation, Cytoplasmic																**9 2.2**
Periductal, Cholangiofibrosis										4						**1 4.0**
Mesentery					+									+		**17**
Necrosis																**1 3.0**
Artery, Inflammation, Chronic Active														1		**14 2.6**
Artery, Mineral					3											**5 2.6**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Acinus, Atrophy																**10 1.2**
Acinus, Hyperplasia		1		2	3							2		1		**44 2.5**
Artery, Inflammation, Chronic Active					4									1		**26 2.4**
Artery, Mineral																**3 2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Artery, Inflammation, Chronic Active																**3 2.7**
Duct, Parotid Gland, Dilation																**1 1.0**
Parotid Gland, Atrophy														1		**14 2.1**
Parotid Gland, Inflammation, Acute					3											**3 2.3**
Sublingual Gland, Inflammation, Acute						1										**1 1.0**
Submandibular Gland, Atrophy																**1 3.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Edema											1			2		**3 2.0**
Erosion																**1 2.0**

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DAY ON TEST	0501	0731	0579	0717	0649	0732	0733	0636	0734	0527	0614	0730	0731	0594	0526	
HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
Inflammation, Chronic Active	3															**5 2.2**
Mineral																**1 2.0**
Ulcer																**3 2.0**
Artery, Inflammation, Chronic Active															2	**3 2.0**
Epithelium, Hyperplasia	1				1	1										**12 2.0**
Epithelium, Hyperplasia, Basal Cell																**1 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Erosion																**2 1.5**
Hemorrhage																**1 2.0**
Inflammation, Acute																**1 1.0**
Mineral					3											**8 2.4**
Ulcer																**1 1.0**
Artery, Inflammation, Chronic Active															2	**2 1.5**
Tooth						+										**1**
CARDIOVASCULAR SYSTEM																
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Dilation					1											**3 1.3**
Mineral					2									1		**12 1.6**
Blood Vessel																**1**
Pulmonary Artery, Inflammation, Chronic Active																**1 2.0**
Pulmonary Artery, Necrosis																**1 1.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cardiomyopathy		2	1	3	4	1	2	1	1	2		1	2		2	**78 2.1**
Artery, Infiltration Cellular, Histiocyte																**1 1.0**

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DAY ON TEST	0501	0731	0579	0717	0649	0732	0733	0636	0734	0527	0614	0730	0731	0594	0526	
HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
Artery, Inflammation, Chronic Active														1		**4 1.0**
Artery, Mineral																**3 2.0**
Atrium, Dilation																**1 2.0**
Myocardium, Mineral					2											**4 1.8**
Ventricle Right, Cardiomyopathy	1	2	1	4	3	1	1	3	1	1	1	1	3			**72 1.9**
ENDOCRINE SYSTEM																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Accessory Adrenal Cortical Nodule																**6**
Angiectasis																**1 2.0**
Atrophy							4									**1 4.0**
Congestion																**1 1.0**
Degeneration, Cystic																**2 1.5**
Hemorrhage																**1 2.0**
Hyperplasia		1	1			2		2	1		2	1	1			**46 1.8**
Hypertrophy			2	3		2	1	2			1	1	1		2	**50 1.4**
Necrosis														2		**4 1.5**
Vacuolation, Cytoplasmic			1					1				1		2		**25 1.6**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Hyperplasia					2	3			1					1		**26 1.9**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**86**
Hyperplasia												1				**5 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Hyperplasia		1	2	2	4			2			2		2	3	2	**46 2.0**
Hyperplasia, Focal																**2 2.5**

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0501	0731	0579	0717	0649	0732	0733	0636	0734	0527	0614	0730	0731	0594	0526	
HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Necrosis																**1 3.0**
Pars Distalis, Cyst				X			X						X			**15**
Pars Distalis, Hyperplasia		1	4	4		2					1	1	2	1		**35 2.4**
Pars Intermedia, Cyst		X	X													**9**
Pars Intermedia, Hyperplasia																**2 2.0**
Pars Nervosa, Developmental Malformation																**1**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Ectopic Thymus																**1**
C-cell, Hyperplasia								4								**18 1.9**
Follicle, Cyst																**1**
GENERAL BODY SYSTEM																
Tissue NOS																**4**
Fat, Necrosis																**2 2.5**
Mediastinum, Inflammation, Chronic Active																**1 3.0**
GENITAL SYSTEM																
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Exfoliated Germ Cell					1									1		**29 1.4**
Hypospermia														3		**23 3.0**
Artery, Inflammation, Chronic Active																**1 4.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Inflammation, Suppurative																**3 2.7**
Inflammation, Chronic Active	2	1	2	2		1							3			**54 1.8**

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DAY ON TEST	0501	0731	0579	0717	0649	0732	0733	0636	0734	0527	0614	0730	0731	0594	0526	
HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
Duct, Dilation				3	2								2	2		**49 2.4**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Decreased Secretory Fluid																**6 2.5**
Inflammation, Suppurative																**1 1.0**
Inflammation, Acute																**6 2.3**
Inflammation, Chronic Active														2		**9 1.4**
Artery, Inflammation, Chronic Active																**1 2.0**
Epithelium, Hyperplasia	1				2							2		3		**11 1.9**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Decreased Secretory Fluid					2						3			4		**22 3.2**
Inflammation, Acute																**3 3.3**
Inflammation, Chronic																**1 2.0**
Inflammation, Chronic Active														2		**1 2.0**
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Edema																**3 2.3**
Artery, Inflammation, Chronic Active				2	3								3	3	3	**37 2.9**
Germ Cell, Degeneration					2					1				2		**42 2.1**
Seminiferous Tubule, Dilation																**1 2.0**
HEMATOPOIETIC SYSTEM																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hemorrhage																**3 2.3**
Hypercellularity	3			2	2						1			1	1	**32 1.7**
Lymph Node				+								+				**18**
Bronchial, Erythrophagocytosis												3				**3 3.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	0200	0201	0202	0203	0204	*** TOTALS**
Iliac, Erythrophagocytosis																**1 2.0**
Iliac, Infiltration Cellular, Histiocyte																**1 2.0**
Iliac, Pigment																**1 2.0**
Iliac, Proliferation, Plasma Cell																**1 1.0**
Lumbar, Erythrophagocytosis																**1 1.0**
Lumbar, Lymphatic Sinus, Ectasia																**1 2.0**
Lymphatic Sinus, Renal, Ectasia																**1 1.0**
Mediastinal, Congestion																**2 3.0**
Mediastinal, Erythrophagocytosis																**5 1.8**
Pancreatic, Proliferation, Plasma Cell																**1 2.0**
Renal, Erythrophagocytosis																**3 2.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**89**
Erythrophagocytosis																**4 2.3**
Hyperplasia, Lymphocyte						3	1		2		3	2	1	1		**54 1.9**
Pigment																**1 2.0**
Proliferation, Plasma Cell			3		3	2	1	2	1		4	1	1	3		**69 2.0**
Lymphatic Sinus, Ectasia													2			**20 2.1**
Lymph Node, Mesenteric	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	**86**
Depletion Cellular																**1 4.0**
Erythrophagocytosis													2			**7 2.0**
Hyperplasia, Lymphocyte																**1 3.0**
Infiltration Cellular, Histiocyte																**1 1.0**
Artery, Inflammation, Chronic Active																**1 2.0**
Lymphatic Sinus, Ectasia																**2 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**89**
Extramedullary Hematopoiesis	3	2				1	2	2	2		3	3	1			**56 1.6**
Hemorrhage																**2 1.5**

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HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
Hyperplasia, Lymphocyte														1		**2 1.5**
Hyperplasia, Plasma Cell																**1 2.0**
Pigment		1	1	2	3	1	1		1	2		1		2		**74 1.6**
Artery, Inflammation, Chronic Active														3		**4 2.3**
Artery, Mineral																**1 2.0**
Red Pulp, Atrophy					2											**10 2.4**
White Pulp, Atrophy					2											**13 1.8**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Atrophy	1	1	1		4	2	2	1	2		3	2		2		**75 2.2**
Cyst		X											X			**9**
Ectopic Parathyroid Gland																**2**
Hemorrhage																**2 2.0**
Hyperplasia, Epithelial																**2 1.5**
Thrombus														2		**2 2.0**
Artery, Inflammation, Chronic Active																**2 2.5**
INTEGUMENTARY SYSTEM																
Mammary Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	**82**
Atrophy																**2 2.0**
Hyperplasia														1		**5 1.6**
Duct, Dilation																**3 1.7**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst Epithelial Inclusion											X	X				**8**
Hyperkeratosis																**2 1.5**
Inflammation, Chronic																**1 4.0**
Inflammation, Chronic Active																**2 3.0**
Ulcer																**2 3.0**

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 3.0W/kg(GSM)chr / ANIMAL ID	0501 0100	0731 0101	0579 0102	0717 0103	0649 0104	0732 0105	0733 0106	0636 0107	0734 0108	0527 0109	0614 0200	0730 0201	0731 0202	0594 0203	0526 0204	* TOTALS	
Epidermis, Hyperplasia																**2**	**1.5**
Hair Follicle, Atrophy																**1**	**2.0**
Subcutaneous Tissue, Inflammation, Chronic Active																**1**	**4.0**
MUSCULOSKELETAL SYSTEM																	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Fibrous Osteodystrophy					1									1	1	**14**	**1.0**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Degeneration		2		2	1						1		1			**43**	**1.6**
NERVOUS SYSTEM																	
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Compression																**4**	**1.3**
Cyst																**1**	
Edema																**1**	**1.0**
Hemorrhage																**2**	**3.0**
Mineral																**6**	**1.2**
Necrosis														2		**4**	**2.3**
Brain Stem, Hemorrhage																**1**	**2.0**
Glial Cell, Hyperplasia																**3**	**3.0**
Meninges, Hyperplasia, Granular Cell																**1**	**1.0**
Meninges, Metaplasia, Osseous																**1**	**2.0**
Pineal Gland, Infiltration Cellular, Mononuclear Cell																**1**	**1.0**
Pineal Gland, Mineral			1		1				1							**8**	**1.0**
Pineal Gland, Vacuolation, Cytoplasmic		1	2		3				1				1			**20**	**1.6**

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HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Degeneration		3	1	2	1	2			2	1		1	1	3		**65 1.8**
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	1	3	1	2	2	3	3	2	3	1	2	2	3	1	1	**90 2.5**
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2	3	1	2	3	3	3	2	3	1	2	2	3	2	1	**90 2.5**
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration							1							1		**41 1.0**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration				1	1											**17 1.0**
Nerve, Degeneration	1	3	2	3	2	3	3	3	3	2	2	2	3	2		**87 2.6**
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration		2		2		2	1	1	2			1	3			**72 1.8**
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**77**
Degeneration				1									1	1		**22 1.0**
RESPIRATORY SYSTEM																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion					2			3		2						**11 1.8**
Foreign Body																**2**
Hemorrhage																**3 1.7**
Inflammation, Suppurative																**2 2.5**
Inflammation, Granulomatous						1								1		**3 1.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
Inflammation, Chronic Active																**5 2.2**
Mineral					2											**1 2.0**
Alveolar Epithelium, Hyperplasia																**1 4.0**
Alveolus, Infiltration Cellular, Histiocyte			1				1	1	1	1	1				1	**43 1.3**
Artery, Inflammation, Chronic Active														1		**6 2.7**
Bronchiole, Hyperplasia, Epithelial																**1 2.0**
Epithelium Alveolus, Hyperplasia								1								**3 2.0**
Interstitium, Fibrosis																**1 1.0**
Interstitium, Mineral																**2 2.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Foreign Body			X													**2**
Hyperplasia, Lymphocyte																**2 2.0**
Inflammation, Suppurative			1													**13 1.5**
Inflammation, Chronic Active										2						**2 2.5**
Mineral																**1 1.0**
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	2	2	2	2	2	2	2	2		3	2	3	2	2	**82 1.8**
Olfactory Epithelium, Atrophy																**1 2.0**
Olfactory Epithelium, Hyperplasia																**2 1.0**
Olfactory Epithelium, Metaplasia, Respiratory																**7 1.4**
Respiratory Epithelium, Accumulation, Hyaline Droplet				1												**1 1.0**
Respiratory Epithelium, Hyperplasia		1	2											2		**14 1.6**
Respiratory Epithelium, Metaplasia, Squamous																**1 1.0**
Trachea	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	**87**

SPECIAL SENSES SYSTEM

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DAY ON TEST	0501	0731	0579	0717	0649	0732	0733	0636	0734	0527	0614	0730	0731	0594	0526	
HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01010	01011	01012	01013	01014	01015	01016	01017	01018	01019	01020	01021	01022	01023	01024	*** TOTALS**
Eye	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**87**
Anterior Chamber, Inflammation, Acute																**3 2.7**
Cornea, Fibrosis																**4 1.3**
Cornea, Inflammation, Acute					1			2						1	2	**25 1.7**
Cornea, Neovascularization								1								**20 1.3**
Cornea, Ulcer																**1 3.0**
Cornea, Epithelium, Degeneration																**2 1.5**
Cornea, Epithelium, Hyperplasia								1						1	2	**15 2.1**
Cornea, Epithelium, Regeneration																**2 1.5**
Retina, Atrophy						1	1		1			1		1		**12 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy														1		**1 1.0**
Cyst																**1**
Inflammation, Granulomatous																**2 1.0**
Inflammation, Chronic																**2 1.0**
Inflammation, Chronic Active																**1 1.0**
Lacrimal Gland																**2**
Inflammation, Granulomatous																**1 2.0**
Metaplasia, Harderian Gland																**2 3.0**
URINARY SYSTEM																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Infarct																**1 1.0**
Inflammation, Suppurative																**1 2.0**
Mineral																**1 3.0**
Nephropathy, Chronic Progressive	2	4	1	2	4	2	3	3	2	1	2	1	3	4	4	**90 2.9**
Pelvis, Dilation																**1 3.0**

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DAY ON TEST	0501	0731	0579	0717	0649	0732	0733	0636	0734	0527	0614	0730	0731	0594	0526	
HARLAN SPRAGUE DAWLEY RATS MALE																
3.0W/kg(GSM)chr																
ANIMAL ID	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	0200	0201	0202	0203	0204	*** TOTALS**
Pelvis, Inflammation, Suppurative																**1 2.0**
Renal Tubule, Accumulation, Hyaline Droplet																**1 3.0**
Renal Tubule, Cyst					X											**14**
Renal Tubule, Hyperplasia																**1 2.0**
Urothelium, Hyperplasia																**1 2.0**
Urethra																**1**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**86**
Dilation																**1 4.0**
Urothelium, Hyperplasia																**2 1.5**

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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	0737 0131	0384 0133	0733 0134	0731 0135	0734 0136	0716 0137	0734 0138	0732 0139	0500 0140	0733 0141	0621 0143	0638 0144	0472 0145	0732 0146	0582 0149	0247 0150	0694 0151	0702 0152	0730 0154	0733 0155	0737 0156	0737 0157	0619 0158	0719 0159	0657 0160	males (cont...)
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	
Edema			1								1												2		3	
Erosion											1												2		3	
Inflammation, Acute																							2		1	
Artery, Inflammation, Chronic Active																							2			
Epithelium, Erosion			1																							
Epithelium, Regeneration																							3		2	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	
Edema																									1	
Erosion																							1			
Artery, Inflammation, Chronic Active																							1		1	
Epithelium, Regeneration																							1		1	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																									1	
Artery, Inflammation, Chronic Active																										
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	A	+	A	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Clear Cell Focus				X	X		X														X					

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DAY ON TEST	073 7	038 4	073 3	073 1	073 4	071 6	073 4	073 2	050 0	073 3	062 1	063 8	047 2	073 2	058 2	024 7	069 4	070 2	073 0	073 3	073 7	073 7	061 9	071 9	065 7	
HARLAN SPRAGUE DAWLEY RATS MALE																										
6.0W/kg(GSM)chr ANIMAL ID	011 31	011 33	011 34	011 35	011 36	011 37	011 38	011 39	011 40	011 41	011 43	011 44	011 45	011 46	011 49	011 50	011 51	011 52	011 54	011 55	011 56	011 57	011 58	011 59	011 60	**males (cont...)**
Eosinophilic Focus							X												X							
Extramedullary Hematopoiesis			1																							
Hepatodiaphragmatic Nodule			X					X																		
Infiltration Cellular, Mixed Cell									1				1													
Mixed Cell Focus	X				X		X			X		X		X				X		X	X	X		X		
Bile Duct, Fibrosis						1																				
Bile Duct, Hyperplasia						1	1	2		1		1	1					1	3	2	1					
Hepatocyte, Necrosis																										
Hepatocyte, Vacuolation, Cytoplasmic																						2				
Kupffer Cell, Pigment									1																	
Periductal, Cholangiofibrosis																								2		
Mesentery																									+	
Artery, Inflammation, Chronic Active																									3	
Artery, Mineral																										
Vein, Inflammation, Chronic Active																										
Oral Mucosa																										
Hyperplasia																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Acinus, Atrophy			1														1							1		
Acinus, Hyperplasia																				2		2				
Artery, Inflammation, Chronic Active																							4		2	
Artery, Mineral																							3			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																										
Duct, Parotid Gland, Dilation									2																	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	0737	0384	0733	0731	0734	0716	0734	0732	0500	0733	0621	0638	0472	0732	0582	0247	0694	0702	0730	0733	0737	0737	0619	0719	0657	males (cont...)
	01131	01133	01134	01135	01136	01137	01138	01139	01140	01141	01143	01144	01145	01146	01149	01150	01151	01152	01154	01155	01156	01157	01158	01159	01160	
Parotid Gland, Atrophy				2		3			2							1							2		1	
Parotid Gland, Inflammation, Acute				2																						
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Fibrosis																										
Inflammation, Chronic Active						2			2								1									
Necrosis																										
Ulcer																	2									
Epithelium, Hyperplasia						3			2								2									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																							2			
Mineral																							3		1	
Artery, Inflammation, Chronic Active																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral										1													3			
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	1	2	1	1	2	1	2	1	2		2		1	1		2	1	2		2	2	3		2	
Hemorrhage																1										
Artery, Inflammation, Chronic Active																										
Artery, Mineral																										
Endocardium, Hyperplasia, Schwann Cell																										
Myocardium, Mineral																										
Ventricle Right, Cardiomyopathy	2		1	1	1		1	1				2	2		3	1	3		2	2	1	3	1	2	2	

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DAY ON TEST	073 7	038 4	073 3	073 1	073 4	071 6	073 4	073 2	050 0	073 3	062 1	063 8	047 2	073 2	058 2	024 7	069 4	070 2	073 0	073 3	073 7	073 7	061 9	071 9	065 7	
HARLAN SPRAGUE DAWLEY RATS MALE																										
6.0W/kg(GSM)chr																										
ANIMAL ID	011 31	011 33	011 34	011 35	011 36	011 37	011 38	011 39	011 40	011 41	011 43	011 44	011 45	011 46	011 49	011 50	011 51	011 52	011 54	011 55	011 56	011 57	011 58	011 59	011 60	**males (cont...)**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule	X		X							X																
Angiectasis						1																				
Atrophy																										
Degeneration, Cystic																										
Hyperplasia	2		1		3								2	2			1	2						2		
Hypertrophy	3			1	1			1			1		1				2	2	1		1	1				
Vacuolation, Cytoplasmic														1			2							1	1	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia							2	2		2	1	4		1			1		1							
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	M	+	+	+	+	+	+	+	
Cyst																										
Hyperplasia	1		1	1		1					1			1									3		3	
Hyperplasia, Focal																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst																				X		X				
Pars Distalis, Hyperplasia			2									2	1							2						
Pars Distalis, Necrosis																	4									
Pars Intermedia, Cyst			X															X								
Pars Intermedia, Hyperplasia																										
Pars Nervosa, Developmental Malformation																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
6.0W/kg(GSM)chr ANIMAL ID	011 31	011 33	011 34	011 35	011 36	011 37	011 38	011 39	011 40	011 41	011 43	011 44	011 45	011 46	011 49	011 50	011 51	011 52	011 54	011 55	011 56	011 57	011 58	011 59	011 60	**males (cont...)**
Pars Nervosa, Infiltration Cellular, Mixed Cell																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion						2																				
C-cell, Hyperplasia																		1		1						
Follicle, Cyst																										
Follicular Cell, Hypertrophy						1																				
GENERAL BODY SYSTEM																										
Tissue NOS					+																					
Fat, Necrosis																										
Mediastinum, Inflammation, Chronic Active																										
GENITAL SYSTEM																										
Coagulating Gland								+																		
Inflammation, Chronic Active								3																		
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell			1			1					1								1				3		1	
Hypospermia			3																						4	
Artery, Inflammation, Chronic Active											2															
Penis		+																								
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active	1	2	1			1		3	2	1		3	3			2		3	3	1		2		1	3	
Artery, Inflammation, Chronic Active																										
Duct, Dilation	1			2			2	3				2		2						1	2				2	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	073701	073843	073334	073135	073436	071637	073438	073239	050040	073341	062143	063844	047245	073246	058249	024750	069451	070252	073054	073355	073756	073757	061958	071959	065760	males (cont...)
Duct, Hyperplasia																										
Duct, Mineral																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid																										
Infiltration Cellular, Mononuclear Cell						2																				
Inflammation, Acute															3		4									
Inflammation, Chronic Active		1						4			1										3					
Epithelium, Hyperplasia						2					1									4	3		1			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decreased Secretory Fluid		4													2			2	2					3	3	
Degeneration																										
Inflammation, Acute																										
Inflammation, Chronic Active																										
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema			3																							
Artery, Inflammation, Chronic Active	2																		1				3		4	
Germ Cell, Degeneration			3				1				2	1				1			2			1	3		3	
Interstitial Cell, Hyperplasia																										
Seminiferous Tubule, Dilation																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Hypercellularity			4										1			1	1	4			1			3		
Lymph Node			+						+						+		+		+						+	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	073701	073843	073334	073135	073436	071637	073438	073239	050040	073341	062143	063844	047245	073246	058247	024750	069451	070250	073052	073355	073756	073757	061958	071959	065760	**males (cont...)**
Artery, Mediastinal, Inflammation, Chronic Active																										
Iliac, Hyperplasia, Lymphocyte																										
Iliac, Proliferation, Plasma Cell									3																	
Iliac, Lymphatic Sinus, Ectasia																										
Lumbar, Erythrophagocytosis			2																							
Lumbar, Hyperplasia, Lymphocyte																										
Lumbar, Proliferation, Plasma Cell																										
Lymphatic Sinus, Mediastinal, Ectasia																										
Lymphatic Sinus, Renal, Ectasia																									3	
Mediastinal, Erythrophagocytosis			2												3											
Pancreatic, Erythrophagocytosis																	2		2							
Renal, Erythrophagocytosis																									4	
Renal, Hyperplasia, Lymphocyte																										
Renal, Proliferation, Plasma Cell																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Erythrophagocytosis												2														
Hyperplasia, Lymphocyte	2			2				3		2				2	1	2	2	2	2	2		2			2	
Infiltration Cellular, Histiocyte																										
Inflammation, Suppurative				1																						
Inflammation, Chronic Active																										
Pigment																										
Proliferation, Plasma Cell	2	2		2				2	3	2	2		3	2	1		2	2	2	2	2	1		3		
Lymphatic Sinus, Ectasia				2			1																			
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis					1							1													1	
Hyperplasia, Lymphocyte																										

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	073 7 011 131	038 4 011 133	073 3 011 134	073 1 011 135	073 4 011 136	071 6 011 137	073 4 011 138	073 2 011 139	050 0 011 140	073 3 011 141	062 1 011 143	063 8 011 144	047 2 011 145	073 2 011 146	058 2 011 149	024 7 011 150	069 4 011 151	070 2 011 152	073 0 011 154	073 3 011 155	073 7 011 156	073 7 011 157	061 9 011 158	071 9 011 159	065 7 011 160	**males (cont...)**
Proliferation, Plasma Cell																										
Lymphatic Sinus, Ectasia																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Erythrophagocytosis																										
Extramedullary Hematopoiesis	1		2	1	2		1	1	2	2		1	3					3		1	1	1		3		
Hyperplasia, Plasma Cell																										
Pigment	1	2		1	2	3	1	2	2	2	3	2		2	1		2		3	1	1		1		2	
Artery, Inflammation, Chronic Active																										
Red Pulp, Atrophy																									3	
White Pulp, Atrophy		1				2									2	2	2						2		3	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2	2	3	2	1	4	3	2	3	3	4		2	3	4	2	3	3	1	2		3	4	4	4	
Congestion																										
Cyst					X																					
Ectopic Parathyroid Gland																										
Ectopic Thyroid																										
Hemorrhage																										
Hyperplasia, Epithelial						1																				
Artery, Inflammation, Chronic Active																										

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	M	+	M	+	+	+	+	+	+	+	
Hyperplasia																										
Duct, Dilation		2				1		1	3	1	3															
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS MALE																										
6.0W/kg(GSM)chr ANIMAL ID	011 31	011 33	011 34	011 35	011 36	011 37	011 38	011 39	011 40	011 41	011 43	011 44	011 45	011 46	011 49	011 50	011 51	011 52	011 54	011 55	011 56	011 57	011 58	011 59	011 60	**males (cont...)**
Cyst Epithelial Inclusion																					X					
Cyst Epithelial Inclusion, Multifocal																										
Inflammation, Chronic Active																										
Epidermis, Hyperplasia																										
Hair Follicle, Dilation																		2								
Lip, Subcutaneous Tissue, Foreign Body																										
Lip, Subcutaneous Tissue, Inflammation, Chronic Active																										
Subcutaneous Tissue, Fibrosis																										
Subcutaneous Tissue, Inflammation, Chronic Active																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy																							2		1	
Increased Bone															1											
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1		1		1	2	1	1			2			1	2		2	1		1	1		1			
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression		2						2	2	2	2								3							
Cyst																										
Mineral																					1					
Necrosis																	2									
Cerebellum, Atrophy																										
Glial Cell, Hyperplasia																										

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HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)chr DAY ON TEST	0737	0384	0733	0731	0734	0716	0734	0732	0500	0733	0621	0638	0472	0732	0582	0247	0694	0702	0730	0733	0737	0737	0619	0719	0657	
ANIMAL ID	01131	01133	01134	01135	01136	01137	01138	01139	01140	01141	01143	01144	01145	01146	01149	01150	01151	01152	01154	01155	01156	01157	01158	01159	01160	**males (cont...)**
Pineal Gland, Infiltration Cellular, Mononuclear Cell																										
Pineal Gland, Mineral	1					1																				
Pineal Gland, Vacuolation, Cytoplasmic	1					1	1																			
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	2	1	1	2	2	2	2	1	1	2			1				1		2	2	2	1	2	1	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	4	1	2	3	3	2	3	3	1	3	2	1		4	1		3	2	2	3	3	3	2	3	3	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Degeneration	4	1	2	3	3	2	3	3	2	3	2	2	1	3	1		3	2	3	3		3	2	3	3	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration			1	1	1			1		1		1							1				1			
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration			1																1		1			1		
Nerve, Degeneration	4		3	3	3	3	3	4		3	2	2		4	3		1	2	2	3	2	3	3	1	3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2		3	3	1	1	1	1		2								1	2	2	2	1		1		
Trigeminal Ganglion	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1						1							1									1			
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion												2				3								1		

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	0737 01131	0384 01133	0733 01134	0731 01135	0734 01136	0716 01137	0734 01138	0732 01139	0500 01140	0733 01141	0621 01143	0638 01144	0472 01145	0732 01146	0582 01149	0247 01150	0694 01151	0702 01152	0730 01154	0733 01155	0737 01156	0737 01157	0619 01158	0719 01159	0657 01160	males (cont...)
Foreign Body																									
Inflammation, Suppurative																									
Inflammation, Chronic Active																						2			
Alveolus, Infiltration Cellular, Histiocyte	1	1					1					1	2	2				2	1	1	1			1	
Artery, Inflammation, Chronic Active																						2			
Epithelium Alveolus, Hyperplasia																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	
Foreign Body																									
Inflammation, Suppurative																									
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	2		1	1	1	3	2	2	2	3	2	2	1		2	3	1	3	3		3		1	2
Olfactory Epithelium, Metaplasia, Respiratory																									
Respiratory Epithelium, Accumulation, Hyaline Droplet		1																							
Respiratory Epithelium, Hyperplasia																									
Septum, Developmental Malformation																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																									
Glands, Inflammation, Acute																									
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	
Anterior Chamber, Inflammation, Acute																						1			
Cornea, Fibrosis			1		2																				
Cornea, Inflammation, Acute			1		1						1									1	1	3		3	
Cornea, Neovascularization			1		1			1			1									1	1				
Cornea, Ulcer																						3			

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I .. Insufficient tissue
M .. Missing tissue
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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	073701	073843	073334	073135	073436	071636	073438	073239	050040	073341	062143	063844	047245	073242	058246	024750	069451	070252	073054	073355	073756	073757	061958	071959	065760	**males (cont...)**
Cornea, Epithelium, Degeneration																										
Cornea, Epithelium, Hyperplasia			1		1																				2	
Lens, Cataract																1							2			
Retina, Atrophy					1					1				1								2		1		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration, Cystic																			1		1				2	
Hyperplasia																										
Hypertrophy																										
Inflammation, Chronic Active																1										
Lacrimal Gland										+																
Metaplasia, Harderian Gland										X																
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Mineral																										
Nephropathy, Chronic Progressive	3	2	3	2	3	3	3	2	2	2	3	2	3	2	1	2	3	2	3	3	3	2	4	2	4	
Artery, Inflammation, Chronic Active																										
Pelvis, Inflammation, Suppurative																										
Pelvis, Inflammation, Chronic Active								1																		
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Cyst				X																					X	
Renal Tubule, Hyperplasia																										
Urothelium, Hyperplasia								1																		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										

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DAY ON TEST	073	038	073	073	073	071	073	073	050	073	062	063	047	073	058	024	069	070	073	073	073	073	061	071	065	
HARLAN SPRAGUE DAWLEY RATS MALE																										
6.0W/kg(GSM)chr																										
ANIMAL ID	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	011	**males (cont...)**
	331	333	334	335	336	337	338	339	340	341	343	344	345	346	349	350	351	352	354	355	356	357	358	359	360	

Urothelium, Hyperplasia

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	0732 01161	0631 01162	0737 01163	0489 01164	0731 01165	0731 01166	0734 01167	0730 01168	0734 01169	0730 01170	0670 01171	0733 01172	0734 01174	0714 01175	0737 01176	0732 01177	0731 01178	0731 01179	0733 01180	0730 01181	0732 01182	0732 01183	0595 01184	0731 01187	0731 01188	males (cont...)
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Erosion																										
Inflammation, Acute																										
Artery, Inflammation, Chronic Active											2												1	3		
Epithelium, Erosion																										
Epithelium, Regeneration																										
Intestine Large, Colon	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Erosion																										
Artery, Inflammation, Chronic Active																							2	2		
Epithelium, Regeneration																										
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Artery, Inflammation, Chronic Active																							1	2		
Intestine Small, Duodenum	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Intestine Small, Ileum	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Intestine Small, Jejunum	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Clear Cell Focus						X							X						X	X		X			X	

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DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731
HARLAN SPRAGUE DAWLEY RATS MALE																									
6.0W/kg(GSM)chr																									
ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188
males (cont...)																									
Eosinophilic Focus																								X	
Extramedullary Hematopoiesis																									
Hepatodiaphragmatic Nodule																									
Infiltration Cellular, Mixed Cell																									
Mixed Cell Focus	X	X	X		X		X	X	X	X	X	X	X		X	X	X	X		X	X	X			
Bile Duct, Fibrosis																									
Bile Duct, Hyperplasia	1		2		1				1	1	2	2	1				1	1				1			1
Hepatocyte, Necrosis																									
Hepatocyte, Vacuolation, Cytoplasmic														3											
Kupffer Cell, Pigment																									
Periductal, Cholangiofibrosis																									
Mesentery											+	+											+	+	
Artery, Inflammation, Chronic Active												3											2	2	
Artery, Mineral											1												2		
Vein, Inflammation, Chronic Active																									
Oral Mucosa	+																								
Hyperplasia	3																								
Pancreas	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active					1																				
Acinus, Atrophy	1		2																						
Acinus, Hyperplasia	3					2	1	3	2	1		2	1		3	4	3				3	2			1	
Artery, Inflammation, Chronic Active						1		1	2													3		2	1	
Artery, Mineral																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Artery, Inflammation, Chronic Active																									
Duct, Parotid Gland, Dilation											2			2											

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HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)chr	DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731	males (cont...)
	ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188	
Parotid Gland, Atrophy												2			2												
Parotid Gland, Inflammation, Acute																											
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																											
Fibrosis																											
Inflammation, Chronic Active															3												
Necrosis																											
Ulcer																											
Epithelium, Hyperplasia												3			4				1								
Stomach, Glandular		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																											
Mineral																								3			
Artery, Inflammation, Chronic Active																											
CARDIOVASCULAR SYSTEM																											
Aorta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineral												1							1					2			
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy		1	2	1	1	2	1	2	2	1	2	3	1	2	1	2	2	2	1	2	1	2	2	3	2	1
Hemorrhage																											
Artery, Inflammation, Chronic Active																								1			
Artery, Mineral												2												1			
Endocardium, Hyperplasia, Schwann Cell																						2					
Myocardium, Mineral												1															
Ventricle Right, Cardiomyopathy		2	2	2	2	2		2	2	2	2	1	1	2		2		2	1	3	2	3	1	3	3	1

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DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731
HARLAN SPRAGUE DAWLEY RATS MALE																									
6.0W/kg(GSM)chr																									
ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule																									
Angiectasis																				1					
Atrophy																									
Degeneration, Cystic						2								2											
Hyperplasia	2		1				2	2	1	1			2	2		1	2		3		2	2	2	4	3
Hypertrophy	1	1	1	1			1		1	1		1		1	2	1	1		2			1	2		2
Vacuolation, Cytoplasmic	1														1				2					2	
Adrenal Medulla	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			2		3			2	1		1		4				2	3	2	1		2	2	3	1
Islets, Pancreatic	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia							1			3									1						
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	M
Cyst																									
Hyperplasia					1			1	2					3	1	1			1					1	
Hyperplasia, Focal																		2							
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Cyst	X						X			X					X		X		X						
Pars Distalis, Hyperplasia			2					1	3			3	4			2	2		3	3		1	1		
Pars Distalis, Necrosis																									
Pars Intermedia, Cyst												X									X				
Pars Intermedia, Hyperplasia							2															1			
Pars Nervosa, Developmental Malformation																									

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DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731
HARLAN SPRAGUE DAWLEY RATS MALE																									
6.0W/kg(GSM)chr																									
ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188
males (cont...)																									
Pars Nervosa, Infiltration Cellular, Mixed Cell																									
Thyroid Gland	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion																									
C-cell, Hyperplasia							2				2	2						2				3			1
Follicle, Cyst																								X	
Follicular Cell, Hypertrophy																									
GENERAL BODY SYSTEM																									
Tissue NOS						+																+			
Fat, Necrosis																						2			
Mediastinum, Inflammation, Chronic Active						2																			
GENITAL SYSTEM																									
Coagulating Gland																									
Inflammation, Chronic Active																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Exfoliated Germ Cell									1		3			1							1		3	1	
Hypospermia									4					4							1				
Artery, Inflammation, Chronic Active																									
Penis																									
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active	1	2	1				3		1		1		1			2	1		1				1	2	
Artery, Inflammation, Chronic Active																									
Duct, Dilation	3		1		2	1	2	2	1	2	2		2		1		2		1		4	2	2	1	4

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DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731
HARLAN SPRAGUE DAWLEY RATS MALE																									
6.0W/kg(GSM)chr ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188
males (cont...)																									
Duct, Hyperplasia																					2				
Duct, Mineral																									
Prostate	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
Decreased Secretory Fluid									2																
Infiltration Cellular, Mononuclear Cell																									
Inflammation, Acute											3														
Inflammation, Chronic Active										1								2			2				
Epithelium, Hyperplasia										1									1			3			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
Decreased Secretory Fluid									4					4											
Degeneration													1												
Inflammation, Acute											2														
Inflammation, Chronic Active																									
Testis	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																									
Artery, Inflammation, Chronic Active					3	2		2		3	3			3					3	3			2	3	
Germ Cell, Degeneration								1		1				4							2		2		
Interstitial Cell, Hyperplasia																						1			
Seminiferous Tubule, Dilation																									
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis													2												
Hypercellularity								3	1												1		2		
Lymph Node	+							+																	

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DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731
HARLAN SPRAGUE DAWLEY RATS MALE																									
6.0W/kg(GSM)chr																									
ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188
males (cont...)																									
Artery, Mediastinal, Inflammation, Chronic Active																									
Iliac, Hyperplasia, Lymphocyte																									
Iliac, Proliferation, Plasma Cell																									
Iliac, Lymphatic Sinus, Ectasia																									
Lumbar, Erythrophagocytosis																									
Lumbar, Hyperplasia, Lymphocyte																									
Lumbar, Proliferation, Plasma Cell																									
Lymphatic Sinus, Mediastinal, Ectasia								2																	
Lymphatic Sinus, Renal, Ectasia																									
Mediastinal, Erythrophagocytosis	2							2																	
Pancreatic, Erythrophagocytosis																									
Renal, Erythrophagocytosis																									
Renal, Hyperplasia, Lymphocyte																									
Renal, Proliferation, Plasma Cell																									
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion																									
Erythrophagocytosis						2																			1
Hyperplasia, Lymphocyte	2		1		1		2		2	3	2	2	2	3	2	2	2	3			2	2	1	1	2
Infiltration Cellular, Histiocyte																									
Inflammation, Suppurative																									
Inflammation, Chronic Active																									
Pigment																									
Proliferation, Plasma Cell	2	2	2	2	1	2	2		2	3	4	2	2	3	2	2	2	2			2	2	3	1	2
Lymphatic Sinus, Ectasia			2		2	1		1									1				2	2			
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erythrophagocytosis													1												
Hyperplasia, Lymphocyte																	4							3	

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731	males (cont...)
HARLAN SPRAGUE DAWLEY RATS MALE																										
6.0W/kg(GSM)chr																										
ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188	
Proliferation, Plasma Cell																										
Lymphatic Sinus, Ectasia																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																						2				
Erythrophagocytosis																										
Extramedullary Hematopoiesis	1		1		1	2	1	3	2	2		1	2	2			1	1	1	1	1	1		2	1
Hyperplasia, Plasma Cell											2															
Pigment	1	2	1	2	1	1	1		1	1	3	1	2	1	1	1	1	1	2	1	1		2	1	2	
Artery, Inflammation, Chronic Active								2																		
Red Pulp, Atrophy											2															
White Pulp, Atrophy																							3			
Thymus	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1	3	2		1		1	1	2	1	4	3	2	3	1	2	2	1	1		1	2	4	2	2	
Congestion																										
Cyst												X							X							
Ectopic Parathyroid Gland												X														
Ectopic Thyroid																						X				
Hemorrhage																										
Hyperplasia, Epithelial																			1							
Artery, Inflammation, Chronic Active													2													

INTEGUMENTARY SYSTEM

Mammary Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia								1																		
Duct, Dilation											3													1		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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+ .. Tissue examined microscopically
X .. Lesion present
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M .. Missing tissue
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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)chr	DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731	males (cont...)
	ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188	
Cyst Epithelial Inclusion						X								X		X										X	
Cyst Epithelial Inclusion, Multifocal																											
Inflammation, Chronic Active																											
Epidermis, Hyperplasia																											
Hair Follicle, Dilation																											
Lip, Subcutaneous Tissue, Foreign Body																											
Lip, Subcutaneous Tissue, Inflammation, Chronic Active																											
Subcutaneous Tissue, Fibrosis																											
Subcutaneous Tissue, Inflammation, Chronic Active																											
MUSCULOSKELETAL SYSTEM																											
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Osteodystrophy												2												2			
Increased Bone																											
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration						1	1		1					1	2	2	2		3		2		2		2		
NERVOUS SYSTEM																											
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression												1			2												
Cyst																											
Mineral		1																									
Necrosis																											
Cerebellum, Atrophy																										1	
Glial Cell, Hyperplasia							4																				

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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	0732 01161	0631 01162	0737 01163	0489 01164	0731 01165	0731 01166	0734 01167	0730 01168	0734 01169	0730 01170	0670 01171	0733 01172	0734 01174	0714 01175	0737 01176	0732 01177	0731 01178	0731 01179	0733 01180	0730 01181	0732 01182	0732 01183	0595 01184	0731 01187	0731 01188	**males (cont...)**
Pineal Gland, Infiltration Cellular, Mononuclear Cell																										
Pineal Gland, Mineral																										
Pineal Gland, Vacuolation, Cytoplasmic					2			1																		
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	
Degeneration	2	1	2		1			2	1	3	3		1	3	1	1	2	2		1		2			3	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	2	2	1	3	3	3	2	3	2	2	3	2	2	3	3	3	4	3	3	2	2	1	3	1	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	2	3	1	3	3	3	3	3	3	2	3	3	2	3	3	3	4	3	3	2	2	1	4	2	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1		1		1	1	1						1		1					1	1				1	
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration														1					1						1	
Nerve, Degeneration	3	1	3		3	3	3	2	2	3	2	3	3	3	4	3	3	4	3	4	3	3	1	3	3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3		2		1	1	2	2	2	3	1	2	2	1	3	2	2	2	2	2	2	2		2	2	
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	
Degeneration			1				1		1				1			1		1		1						
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion		2		2																						

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1-4 .. Lesion qualified as:
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2) Mild 4) Marked

HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)chr	DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731	males (cont...)
	ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188	
Foreign Body																											
Inflammation, Suppurative																											
Inflammation, Chronic Active																											
Alveolus, Infiltration Cellular, Histiocyte		1			1	2	1	1	1				2				1	1	1	1	1		1			1	
Artery, Inflammation, Chronic Active																									1		
Epithelium Alveolus, Hyperplasia																											
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body											X																
Inflammation, Suppurative								1			1	1	1											2			
Olfactory Epithelium, Accumulation, Hyaline Droplet		3	2	2	2	1	2	2	1	1	3	3	3	1		1	1	2	1	1	1	1	2	1	1	3	
Olfactory Epithelium, Metaplasia, Respiratory								2																			
Respiratory Epithelium, Accumulation, Hyaline Droplet																											
Respiratory Epithelium, Hyperplasia								2			1		1		1								1				
Septum, Developmental Malformation														X													
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active										3																	
Glands, Inflammation, Acute																								2			
SPECIAL SENSES SYSTEM																											
Eye		+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Anterior Chamber, Inflammation, Acute																								2			
Cornea, Fibrosis									1					1													
Cornea, Inflammation, Acute								1	1	1	1	3	1	1		1	1					1		3	2		
Cornea, Neovascularization								1	2	1	1	1	2	1		1		1							2		
Cornea, Ulcer												2															

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	0732 01161	0631 01162	0737 01163	0489 01164	0731 01165	0731 01166	0734 01167	0730 01168	0734 01169	0730 01170	0670 01171	0733 01172	0734 01174	0714 01175	0737 01176	0732 01177	0731 01178	0731 01179	0733 01180	0730 01181	0732 01182	0732 01183	0595 01184	0731 01187	0731 01188	**males (cont...)**
Cornea, Epithelium, Degeneration																	1							1		
Cornea, Epithelium, Hyperplasia							1	1	1	2	3		1				1				1		1	2		
Lens, Cataract																										
Retina, Atrophy					1												1								1	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration, Cystic																										
Hyperplasia					2			1																		
Hypertrophy																										
Inflammation, Chronic Active																										
Lacrimal Gland																										
Metaplasia, Harderian Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative											2															
Mineral																							2			
Nephropathy, Chronic Progressive	2	1	1	1	4	3	2	2	4	4	4	3	4	4	3	2	3	3	4	3	3	2	4	4	1	
Artery, Inflammation, Chronic Active																										
Pelvis, Inflammation, Suppurative																										
Pelvis, Inflammation, Chronic Active																										
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Cyst																	X				X					
Renal Tubule, Hyperplasia																										
Urothelium, Hyperplasia																										
Urinary Bladder	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Inflammation, Suppurative											3															

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1-4 .. Lesion qualified as:
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DAY ON TEST	0732	0631	0737	0489	0731	0731	0734	0730	0734	0730	0670	0733	0734	0714	0737	0732	0731	0731	0733	0730	0732	0732	0595	0731	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
6.0W/kg(GSM)chr																										
ANIMAL ID	01161	01162	01163	01164	01165	01166	01167	01168	01169	01170	01171	01172	01174	01175	01176	01177	01178	01179	01180	01181	01182	01183	01184	01187	01188	**males (cont...)**
Urothelium, Hyperplasia																										

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2) Mild 4) Marked

DAY ON TEST	037	073	073	073	054	073	059	053	071	073	073	073	059	073	068	073	073	073	073	073	073	073	044	073	
HARLAN SPRAGUE DAWLEY RATS MALE																									
6.0W/kg(GSM)chr																									
ANIMAL ID	01189	01190	01191	01193	01194	01195	01196	01197	01198	01199	01200	01201	01202	01203	01205	01206	01207	01208	01209	01210	01211	01213	01214	01215	01217
males (cont...)																									
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+
Edema																									
Erosion																									
Inflammation, Acute																									
Artery, Inflammation, Chronic Active																									1
Epithelium, Erosion																									
Epithelium, Regeneration																									
Intestine Large, Colon	A	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+
Edema																									
Erosion																									
Artery, Inflammation, Chronic Active																									
Epithelium, Regeneration																									
Intestine Large, Rectum	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Edema																									
Artery, Inflammation, Chronic Active																									
Intestine Small, Duodenum	A	+	+	+	A	+	+	A	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	+	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	+	A	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Clear Cell Focus											X						X					X	X		

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DAY ON TEST	039	073	073	073	054	073	059	053	071	073	073	073	059	073	068	073	073	073	073	073	073	073	073	044	073	
HARLAN SPRAGUE DAWLEY RATS MALE	2	2	3	7	4	3	7	4	9	2	0	4	6	4	8	1	4	1	7	0	0	4	2	3	0	
6.0W/kg(GSM)chr ANIMAL ID	01189	01190	01191	01193	01194	01195	01196	01197	01198	01199	01200	01201	01202	01203	01205	01206	01207	01208	01209	01210	01211	01213	01214	01215	01217	**males (cont...)**
Eosinophilic Focus		X		X								X														
Extramedullary Hematopoiesis								1																		
Hepatodiaphragmatic Nodule																										
Infiltration Cellular, Mixed Cell							2																	1	1	
Mixed Cell Focus		X	X	X		X	X		X	X	X	X		X		X		X	X	X	X	X	X	X		
Bile Duct, Fibrosis																										
Bile Duct, Hyperplasia								1	1		1			1		1									2	
Hepatocyte, Necrosis					1																					
Hepatocyte, Vacuolation, Cytoplasmic											1															
Kupffer Cell, Pigment																										
Periductal, Cholangiofibrosis																										
Mesentery																							+		+	
Artery, Inflammation, Chronic Active																									1	
Artery, Mineral																										
Vein, Inflammation, Chronic Active																							1			
Oral Mucosa								+																		
Hyperplasia																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Acinus, Atrophy				1																1	1				1	
Acinus, Hyperplasia		4				2													2			3	4			
Artery, Inflammation, Chronic Active																							4			
Artery, Mineral																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																										
Duct, Parotid Gland, Dilation														2												

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DAY ON TEST	0397	0732	0733	0737	0544	0733	0597	0534	0719	0732	0730	0734	0596	0734	0688	0731	0734	0731	0737	0730	0730	0734	0732	0443	0730	
HARLAN SPRAGUE DAWLEY RATS MALE																										
6.0W/kg(GSM)chr																										
ANIMAL ID	01189	01190	01191	01193	01194	01195	01196	01197	01198	01199	01200	01201	01202	01203	01205	01206	01207	01208	01209	01210	01211	01213	01214	01215	01217	**males (cont...)**
Parotid Gland, Atrophy					2				2					4											2	
Parotid Gland, Inflammation, Acute																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema					3				3																	
Fibrosis																									1	
Inflammation, Chronic Active									2																2	
Necrosis					4																					
Ulcer									2																	
Epithelium, Hyperplasia		1			3				3																3	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	
Erosion																										
Mineral																									3	
Artery, Inflammation, Chronic Active																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral																			1							
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy		2	1	1	2	2	1	1	1	1		1		2	2	2	2		1	2	1	2	2		2	
Hemorrhage																										
Artery, Inflammation, Chronic Active																										
Artery, Mineral																										
Endocardium, Hyperplasia, Schwann Cell																			2							
Myocardium, Mineral																										
Ventricle Right, Cardiomyopathy	2	2	2	3	2	1	1	2		1	2			1	3	3	1	1	3	3	2	1		2	2	

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2) Mild 4) Marked

DAY ON TEST	039	073	073	073	054	073	059	053	071	073	073	073	059	073	068	073	073	073	073	073	073	073	044	073
HARLAN SPRAGUE DAWLEY RATS MALE	7	2	3	7	4	3	7	4	9	2	0	4	6	4	8	1	4	1	7	0	0	4	2	3	0
6.0W/kg(GSM)chr ANIMAL ID	011	011	011	011	011	011	011	011	011	011	012	012	012	012	012	012	012	012	012	012	012	012	012	012	012	**males (cont...)**
	891	900	911	933	944	955	966	977	988	999	000	011	022	033	055	066	077	088	099	100	111	133	144	155	177	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																										
Angiectasis																										
Atrophy		3																								
Degeneration, Cystic																										
Hyperplasia				2		1		2			2	1		3				1			1	3	2		1	
Hypertrophy			1	1	2	1	2		2		1	1			2	1	3	1	1		1		3			
Vacuolation, Cytoplasmic				1		1	1		1	1				2				1								
Adrenal Medulla	+	+	+	+	+	I	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			1	3			3		1	3							3					2	2			
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	
Hyperplasia						1		1																		
Parathyroid Gland	+	M	+	+	+	M	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	
Cyst																					X					
Hyperplasia				1					3			1		1		2		1					1		3	
Hyperplasia, Focal																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst	X								X		X					X			X			X				
Pars Distalis, Hyperplasia									1		1			1		3		4	4			4	1			
Pars Distalis, Necrosis																										
Pars Intermedia, Cyst				X													X									
Pars Intermedia, Hyperplasia																										
Pars Nervosa, Developmental Malformation				X																						

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0397	0732	0733	0737	0544	0733	0597	0534	0719	0732	0730	0734	0596	0734	0688	0731	0734	0731	0737	0730	0730	0734	0732	0443	0730	
HARLAN SPRAGUE DAWLEY RATS MALE																										
6.0W/kg(GSM)chr																										
ANIMAL ID	01189	01190	01191	01193	01194	01195	01196	01197	01198	01199	01200	01201	01202	01203	01205	01206	01207	01208	01209	01210	01211	01213	01214	01215	01217	**males (cont...)**
Pars Nervosa, Infiltration Cellular, Mixed Cell								2																		
Thyroid Gland	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	
Congestion																										
C-cell, Hyperplasia		1														1	1					2				
Follicle, Cyst																										
Follicular Cell, Hypertrophy																										
GENERAL BODY SYSTEM																										
Tissue NOS																				+		+				
Fat, Necrosis																				2		2				
Mediastinum, Inflammation, Chronic Active																										
GENITAL SYSTEM																										
Coagulating Gland																										
Inflammation, Chronic Active																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Exfoliated Germ Cell									1									1								
Hypospermia																									4	
Artery, Inflammation, Chronic Active																										
Penis																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active	3		1	1	3	2	1	3		2	1	1		1	2			2	2		1			2	1	
Artery, Inflammation, Chronic Active																										
Duct, Dilation		2	1	2		1	2	3	1	1		1		1			4	2				3	3		1	

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DAY ON TEST	039	073	073	073	054	073	059	053	071	073	073	073	059	073	068	073	073	073	073	073	073	073	044	073
HARLAN SPRAGUE DAWLEY RATS MALE																								
6.0W/kg(GSM)chr ANIMAL ID	0118 9	0119 0	0119 1	0119 3	0119 4	0119 5	0119 6	0119 7	0119 8	0119 9	0120 0	0120 1	0120 2	0120 3	0120 5	0120 6	0120 7	0120 8	0120 9	0121 0	0121 1	0121 3	0121 4	0121 5	0121 7	**males (cont...)**
Duct, Hyperplasia																									
Duct, Mineral											1														
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Decreased Secretory Fluid									2																
Infiltration Cellular, Mononuclear Cell																									
Inflammation, Acute			1																						
Inflammation, Chronic Active																			1		1				4
Epithelium, Hyperplasia				4	3													3							
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Decreased Secretory Fluid		2			2				3																
Degeneration																									
Inflammation, Acute																									
Inflammation, Chronic Active																									4
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																									
Artery, Inflammation, Chronic Active						3																	3		4
Germ Cell, Degeneration									1															1	4
Interstitial Cell, Hyperplasia		1																							
Seminiferous Tubule, Dilation		1																							
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																									
Hypercellularity			2				3	2	4	2					1			2						1	3
Lymph Node										+				+											+

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1-4 .. Lesion qualified as:
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DAY ON TEST	0397	0732	0733	0737	0544	0733	0597	0534	0719	0732	0730	0734	0596	0734	0688	0731	0734	0731	0737	0730	0730	0734	0732	0443	0730
HARLAN SPRAGUE DAWLEY RATS MALE																									
6.0W/kg(GSM)chr																									
ANIMAL ID	01189	01190	01191	01193	01194	01195	01196	01197	01198	01199	01200	01201	01202	01203	01205	01206	01207	01208	01209	01210	01211	01213	01214	01215	01217
males (cont...)																									
Artery, Mediastinal, Inflammation, Chronic Active																									
Iliac, Hyperplasia, Lymphocyte																									2
Iliac, Proliferation, Plasma Cell																									2
Iliac, Lymphatic Sinus, Ectasia																									2
Lumbar, Erythrophagocytosis																									
Lumbar, Hyperplasia, Lymphocyte																									2
Lumbar, Proliferation, Plasma Cell																									3
Lymphatic Sinus, Mediastinal, Ectasia																									
Lymphatic Sinus, Renal, Ectasia																									
Mediastinal, Erythrophagocytosis										3				3											
Pancreatic, Erythrophagocytosis																									
Renal, Erythrophagocytosis																									
Renal, Hyperplasia, Lymphocyte																									3
Renal, Proliferation, Plasma Cell																									2
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion								2							2										
Erythrophagocytosis																									
Hyperplasia, Lymphocyte			1	2		2	1	2	2	1				2		3	2	1	3	2	2		1		
Infiltration Cellular, Histiocyte																									
Inflammation, Suppurative																									
Inflammation, Chronic Active																					4				
Pigment																									
Proliferation, Plasma Cell			1	2		2	2	2	2	2			1	2			2	2	3	2	1		2		
Lymphatic Sinus, Ectasia											2	2						1			4				4
Lymph Node, Mesenteric	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erythrophagocytosis		1																							
Hyperplasia, Lymphocyte																									

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DAY ON TEST	039	073	073	073	054	073	059	053	071	073	073	073	059	073	068	073	073	073	073	073	073	073	044	073
HARLAN SPRAGUE DAWLEY RATS MALE	2	2	3	7	4	3	7	4	9	2	0	4	6	4	8	1	4	1	7	0	0	4	2	0
6.0W/kg(GSM)chr ANIMAL ID	011	011	011	011	011	011	011	011	011	011	012	012	012	012	012	012	012	012	012	012	012	012	012	012	**males (cont...)**
	89	90	91	93	94	95	96	97	98	99	00	01	02	03	05	06	07	08	09	10	11	13	14	15	17	
Proliferation, Plasma Cell																										
Lymphatic Sinus, Ectasia										4																
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Erythrophagocytosis																										
Extramedullary Hematopoiesis		2	2	1		2	3	3	3	3	2	2		2		1	1	2			1	2	2	1	3	
Hyperplasia, Plasma Cell																										
Pigment	2	1		1	3	2		1				1		1	4	1	1	1	1	1	1	2	1		2	
Artery, Inflammation, Chronic Active																										
Red Pulp, Atrophy					2																					
White Pulp, Atrophy					2										2											
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		2	3	3	3	1	2	1	4	2		2	4		2	2	2	3	1		2	2	1	3	3	
Congestion	2																									
Cyst									X										X							
Ectopic Parathyroid Gland		X																			X					
Ectopic Thyroid																										
Hemorrhage					4																					
Hyperplasia, Epithelial																										
Artery, Inflammation, Chronic Active																										

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																							1			
Duct, Dilation			3			1																			1	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)chr	DAY ON TEST	0397	0732	0733	0737	0544	0733	0597	0534	0719	0732	0730	0734	0596	0734	0688	0731	0734	0731	0737	0730	0730	0734	0732	0443	0730	males (cont...)
	ANIMAL ID	01189	01190	01191	01193	01194	01195	01196	01197	01198	01199	01200	01201	01202	01203	01205	01206	01207	01208	01209	01210	01211	01213	01214	01215	01217	
Cyst Epithelial Inclusion																	X			X							
Cyst Epithelial Inclusion, Multifocal																											
Inflammation, Chronic Active																											
Epidermis, Hyperplasia																											
Hair Follicle, Dilation																											
Lip, Subcutaneous Tissue, Foreign Body																											
Lip, Subcutaneous Tissue, Inflammation, Chronic Active																											
Subcutaneous Tissue, Fibrosis																											
Subcutaneous Tissue, Inflammation, Chronic Active																4			4								
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Osteodystrophy																										1	
Increased Bone																											
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration				3	3	2			2			1							2							3	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression			1																							1	
Cyst																											
Mineral																											
Necrosis	1																										
Cerebellum, Atrophy		1																									
Glial Cell, Hyperplasia																											

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	0397	0732	0733	0737	0544	0733	0597	0534	0719	0732	0730	0734	0596	0734	0688	0731	0734	0731	0737	0730	0730	0734	0732	0443	0730	males (cont...)
	01189	01190	01191	01193	01194	01195	01196	01197	01198	01199	01200	01201	01202	01203	01205	01206	01207	01208	01209	01210	01211	01213	01214	01215	01217	
Pineal Gland, Infiltration Cellular, Mononuclear Cell	1																									
Pineal Gland, Mineral				1																						
Pineal Gland, Vacuolation, Cytoplasmic	1				4											1										
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		3	2	3	2		3		2	2	2			2	2	3	3	1		2			1		2	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	3	3	3	3	3	1	1	2	3	2	3	1	3	2	4	4	3	3	2	3	2	2		4	
Peripheral Nerve, Tibial	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		3	3	3		3	2		2	3	2	2	1	2	1	4	3	3	3	3	2	3	2	1	3	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1				1								1		1	1	1					1		1	
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration							1								1						2					
Nerve, Degeneration	1	3	3	4	3	3		2	2	3	3	4	2	4	3	4	4	4	3	3		3	2		3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2	2	1		1			1	2	1	3		2	1	2	3	2	2	3	2	2	2		2	
Trigeminal Ganglion	+	+	+	+	+	+	+	M	+	+	M	M	+	M	+	+	+	M	+	+	+	+	+	M	M	
Degeneration			1	1													1									
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion	2				4			2																		

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HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)chr	DAY ON TEST	0397	0732	0733	0737	0544	0733	0597	0534	0719	0732	0730	0734	0596	0734	0688	0731	0734	0731	0737	0730	0730	0734	0732	0443	0730	males (cont...)
	ANIMAL ID	01189	01190	01191	01193	01194	01195	01196	01197	01198	01199	01200	01201	01202	01203	01205	01206	01207	01208	01209	01210	01211	01213	01214	01215	01217	
Foreign Body																X											
Inflammation, Suppurative																3											
Inflammation, Chronic Active																				1	1						
Alveolus, Infiltration Cellular, Histiocyte		1	2		1	1	1	1	2	1		1	1	3						3	3	2	2	1			
Artery, Inflammation, Chronic Active																											
Epithelium Alveolus, Hyperplasia																								3			
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body			X					X								X											
Inflammation, Suppurative			1			2									1	1		1									
Olfactory Epithelium, Accumulation, Hyaline Droplet		2	2	1	1	1	2	2	3	2	3	1	2	1	3		2	1			1	1	1	2	2	2	1
Olfactory Epithelium, Metaplasia, Respiratory															1												
Respiratory Epithelium, Accumulation, Hyaline Droplet																											
Respiratory Epithelium, Hyperplasia			2	1								2						1			1						
Septum, Developmental Malformation																											
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																											
Glands, Inflammation, Acute																											
SPECIAL SENSES SYSTEM																											
Eye		A	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	
Anterior Chamber, Inflammation, Acute																											
Cornea, Fibrosis																		1								1	
Cornea, Inflammation, Acute							1								1			1			1					1	
Cornea, Neovascularization							1											1								2	
Cornea, Ulcer																											

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 6.0W/kg(GSM)chr / ANIMAL ID	0397 01189	0732 01190	0733 01191	0737 01193	0544 01194	0733 01195	0597 01196	0534 01197	0719 01198	0732 01199	0730 01200	0734 01201	0596 01202	0734 01203	0688 01205	0731 01206	0734 01207	0731 01208	0737 01209	0730 01210	0730 01211	0734 01213	0732 01214	0443 01215	0730 01217	males (cont...)
Cornea, Epithelium, Degeneration																									
Cornea, Epithelium, Hyperplasia			1			2								1			1			1					1	
Lens, Cataract																									
Retina, Atrophy				1		1						1		1									1			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration, Cystic																										
Hyperplasia																										
Hypertrophy																										
Inflammation, Chronic Active																										
Lacrimal Gland																									+	
Metaplasia, Harderian Gland																									3	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Mineral																										
Nephropathy, Chronic Progressive	1	2	1	3	2	3	2	2	4	3	1	2		2	2	4	4	2	4	2	2	2	4	2	4	
Artery, Inflammation, Chronic Active																										
Pelvis, Inflammation, Suppurative																									1	
Pelvis, Inflammation, Chronic Active																										
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Cyst																			X						X	
Renal Tubule, Hyperplasia									1																	
Urothelium, Hyperplasia																									2	
Urinary Bladder	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										

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DAY ON TEST	039	073	073	073	054	073	059	053	071	073	073	073	059	073	068	073	073	073	073	073	073	073	073	044	073	
HARLAN SPRAGUE DAWLEY RATS MALE	2	2	3	7	4	3	7	4	9	2	0	4	6	4	8	1	4	1	7	0	0	4	2	3	0	**males (cont...)**
6.0W/kg(GSM)chr ANIMAL ID	01189	01190	01191	01193	01194	01195	01196	01197	01198	01199	01200	01201	01202	01203	01205	01206	01207	01208	01209	01210	01211	01213	01214	01215	01217	
Urothelium, Hyperplasia																									1	

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DAY ON TEST	0732	0733	0733	0730	0737	0674	0731	0730	0734	0716	0733	0638	0554	0737	0737	
HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
ALIMENTARY SYSTEM																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Intestine Large, Cecum	+	+	+	+	+	A	+	+	+	A	+	A	+	+	+	**80**
Edema																**4 1.8**
Erosion																**3 2.0**
Inflammation, Acute																**2 1.5**
Artery, Inflammation, Chronic Active													2			**6 1.8**
Epithelium, Erosion																**1 1.0**
Epithelium, Regeneration																**2 2.5**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**82**
Edema																**1 1.0**
Erosion																**1 1.0**
Artery, Inflammation, Chronic Active													2			**5 1.6**
Epithelium, Regeneration																**2 1.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	**87**
Edema																**1 1.0**
Artery, Inflammation, Chronic Active																**2 1.5**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**79**
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	A	+	A	+	+	+	**76**
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	A	+	A	+	+	+	**76**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Clear Cell Focus			X								X					**16**

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0732	0733	0733	0730	0737	0674	0731	0730	0734	0716	0733	0638	0554	0737	0737	
HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
Eosinophilic Focus			X						X							**8**
Extramedullary Hematopoiesis					1							2				**4 1.3**
Hepatodiaphragmatic Nodule																**2**
Infiltration Cellular, Mixed Cell																**5 1.2**
Mixed Cell Focus	X	X		X	X	X	X	X	X	X	X				X	**58**
Bile Duct, Fibrosis																**1 1.0**
Bile Duct, Hyperplasia	2	1	1		1				1							**33 1.3**
Hepatocyte, Necrosis																**1 1.0**
Hepatocyte, Vacuolation, Cytoplasmic																**3 2.0**
Kupffer Cell, Pigment																**1 1.0**
Periductal, Cholangiofibrosis																**1 2.0**
Mesentery																**7**
Artery, Inflammation, Chronic Active																**5 2.2**
Artery, Mineral																**2 1.5**
Vein, Inflammation, Chronic Active																**1 1.0**
Oral Mucosa																**2**
Hyperplasia																**1 3.0**
Pancreas	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**86**
Inflammation, Chronic Active																**1 1.0**
Acinus, Atrophy				1											2	**11 1.2**
Acinus, Hyperplasia	4	4	4	3	1			3			2	2	3	2	3	**32 2.5**
Artery, Inflammation, Chronic Active			1								1	2	2		2	**14 2.0**
Artery, Mineral																**1 3.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Artery, Inflammation, Chronic Active													3			**1 3.0**
Duct, Parotid Gland, Dilation																**4 2.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
Parotid Gland, Atrophy					1				1							**14 1.9**
Parotid Gland, Inflammation, Acute																**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Edema																**2 3.0**
Fibrosis																**1 1.0**
Inflammation, Chronic Active																**6 2.0**
Necrosis																**1 4.0**
Ulcer																**2 2.0**
Epithelium, Hyperplasia												2				**11 2.5**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	**86**
Erosion																**1 2.0**
Mineral																**4 2.5**
Artery, Inflammation, Chronic Active													2			**1 2.0**
CARDIOVASCULAR SYSTEM																
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Mineral																**6 1.5**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cardiomyopathy	1	1		1	2	1	1	1	1	2	1	2	2	2	2	**79 1.6**
Hemorrhage																**1 1.0**
Artery, Inflammation, Chronic Active		2														**2 1.5**
Artery, Mineral																**2 1.5**
Endocardium, Hyperplasia, Schwann Cell																**2 2.0**
Myocardium, Mineral																**1 1.0**
Ventricle Right, Cardiomyopathy		1	1	1	1	2	1	1	2	3	3	1		2	3	**74 1.8**

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HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
ENDOCRINE SYSTEM																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Accessory Adrenal Cortical Nodule		X														**4**
Angiectasis																**2 1.0**
Atrophy																**1 3.0**
Degeneration, Cystic																**2 2.0**
Hyperplasia			2		2		3	2	1		2	2	2	2	3	**45 1.9**
Hypertrophy	1	1	1	1	1	1	1		1	1	2		1	2		**54 1.3**
Vacuolation, Cytoplasmic					1	2	1		1				2	1	2	**22 1.3**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Hyperplasia		1	3		2				1					1		**35 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**85**
Hyperplasia	2								3							**7 1.7**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**81**
Cyst																**1**
Hyperplasia				2	1					4					1	**28 1.6**
Hyperplasia, Focal																**1 2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Pars Distalis, Cyst							X				X					**16**
Pars Distalis, Hyperplasia	1		1	2	2				2		3		4	2	2	**32 2.2**
Pars Distalis, Necrosis																**1 4.0**
Pars Intermedia, Cyst																**6**
Pars Intermedia, Hyperplasia																**2 1.5**
Pars Nervosa, Developmental Malformation																**1**

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HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
Pars Nervosa, Infiltration Cellular, Mixed Cell																**1 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Congestion																**1 2.0**
C-cell, Hyperplasia							2	2								**14 1.6**
Follicle, Cyst																**1**
Follicular Cell, Hypertrophy																**1 1.0**
GENERAL BODY SYSTEM																
Tissue NOS																**5**
Fat, Necrosis																**3 2.0**
Mediastinum, Inflammation, Chronic Active																**1 2.0**
GENITAL SYSTEM																
Coagulating Gland																**1**
Inflammation, Chronic Active																**1 3.0**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Exfoliated Germ Cell												2				**15 1.5**
Hypospermia												3	3			**8 3.3**
Artery, Inflammation, Chronic Active													3			**2 2.5**
Penis																**1**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Inflammation, Chronic Active	3	1				2	2	2	1		1					**52 1.7**
Artery, Inflammation, Chronic Active													3			**1 3.0**
Duct, Dilation		2			2	3	4		3		1		3	3	3	**51 2.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
Duct, Hyperplasia																**1 2.0**
Duct, Mineral																**1 1.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Decreased Secretory Fluid																**2 2.0**
Infiltration Cellular, Mononuclear Cell																**1 2.0**
Inflammation, Acute																**4 2.8**
Inflammation, Chronic Active							1						2	1		**13 1.8**
Epithelium, Hyperplasia																**11 2.4**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Decreased Secretory Fluid																**11 2.8**
Degeneration																**1 1.0**
Inflammation, Acute																**1 2.0**
Inflammation, Chronic Active																**1 4.0**
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Edema				2												**2 2.5**
Artery, Inflammation, Chronic Active										2			4		1	**20 2.7**
Germ Cell, Degeneration					1							3	3			**20 2.0**
Interstitial Cell, Hyperplasia											4				3	**4 2.3**
Seminiferous Tubule, Dilation																**1 1.0**
HEMATOPOIETIC SYSTEM																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Fibrosis																**1 2.0**
Hypercellularity					1							4	1			**23 2.1**
Lymph Node													+			**12**

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DAY ON TEST	073	073	073	073	073	067	073	073	073	071	073	063	054	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	2	3	3	0	7	4	1	0	4	6	3	8	4	7	7	
6.0W/kg(GSM)chr ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
Artery, Mediastinal, Inflammation, Chronic Active													2			**1 2.0**
Iliac, Hyperplasia, Lymphocyte																**1 2.0**
Iliac, Proliferation, Plasma Cell																**2 2.5**
Iliac, Lymphatic Sinus, Ectasia																**1 2.0**
Lumbar, Erythrophagocytosis																**1 2.0**
Lumbar, Hyperplasia, Lymphocyte																**1 2.0**
Lumbar, Proliferation, Plasma Cell																**1 3.0**
Lymphatic Sinus, Mediastinal, Ectasia																**1 2.0**
Lymphatic Sinus, Renal, Ectasia																**1 3.0**
Mediastinal, Erythrophagocytosis																**6 2.5**
Pancreatic, Erythrophagocytosis																**2 2.0**
Renal, Erythrophagocytosis																**1 4.0**
Renal, Hyperplasia, Lymphocyte																**1 3.0**
Renal, Proliferation, Plasma Cell																**1 2.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion													2			**3 2.0**
Erythrophagocytosis																**3 1.7**
Hyperplasia, Lymphocyte	3		2		1		1		2	1	1	1	2	3	2	**57 1.9**
Infiltration Cellular, Histiocyte	2															**1 2.0**
Inflammation, Suppurative																**1 1.0**
Inflammation, Chronic Active																**1 4.0**
Pigment			1													**1 1.0**
Proliferation, Plasma Cell	1	1	1	1	1	2	2		2	1	2	2	2	4	2	**68 2.0**
Lymphatic Sinus, Ectasia				1			1									**16 1.8**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Erythrophagocytosis												1		1	1	**8 1.0**
Hyperplasia, Lymphocyte									1						1	**4 2.3**

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HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
Proliferation, Plasma Cell		1														**1 1.0**
Lymphatic Sinus, Ectasia																**1 4.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion																**1 2.0**
Erythrophagocytosis												4				**1 4.0**
Extramedullary Hematopoiesis	2	2	2	1	2		2	2	2	1	2		2			**64 1.7**
Hyperplasia, Plasma Cell		2														**2 2.0**
Pigment	1	2	1	2	1	3	2	2	2	2	2		2	2	1	**74 1.6**
Artery, Inflammation, Chronic Active																**1 2.0**
Red Pulp, Atrophy																**3 2.3**
White Pulp, Atrophy										2						**11 2.1**
Thymus	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**86**
Atrophy	2	3	1	3	3	3	2	3	2		1		2	3		**78 2.3**
Congestion																**1 2.0**
Cyst		X			X						X			X	X	**10**
Ectopic Parathyroid Gland																**3**
Ectopic Thyroid	X															**2**
Hemorrhage												2				**2 3.0**
Hyperplasia, Epithelial																**2 1.0**
Artery, Inflammation, Chronic Active																**1 2.0**
INTEGUMENTARY SYSTEM																
Mammary Gland	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	**82**
Hyperplasia																**2 1.0**
Duct, Dilation		1							1							**13 1.7**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**

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HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
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Cyst Epithelial Inclusion		X	X								X					**10**
Cyst Epithelial Inclusion, Multifocal										X						**1**
Inflammation, Chronic Active				1												**1 1.0**
Epidermis, Hyperplasia				2												**1 2.0**
Hair Follicle, Dilation																**1 2.0**
Lip, Subcutaneous Tissue, Foreign Body														X		**1**
Lip, Subcutaneous Tissue, Inflammation, Chronic Active														4		**1 4.0**
Subcutaneous Tissue, Fibrosis				1												**1 1.0**
Subcutaneous Tissue, Inflammation, Chronic Active																**2 4.0**
MUSCULOSKELETAL SYSTEM																
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Fibrous Osteodystrophy													1			**6 1.5**
Increased Bone																**1 1.0**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration					1	3				3				1	1	**37 1.7**
NERVOUS SYSTEM																
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Compression																**10 1.8**
Cyst							X									**1**
Mineral																**2 1.0**
Necrosis													1			**3 1.3**
Cerebellum, Atrophy																**2 1.0**
Glial Cell, Hyperplasia																**1 4.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
Pineal Gland, Infiltration Cellular, Mononuclear Cell																**1 1.0**
Pineal Gland, Mineral																**3 1.0**
Pineal Gland, Vacuolation, Cytoplasmic									1		1		3	1	2	**13 1.5**
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Degeneration	2	2	3		3	2	2	3		3	1	2			1	**63 1.9**
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	3	2	3	3	3	4	3	3	3	3	2	2	1	3	3	**87 2.5**
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Degeneration	2	2	3	3	3	4	3	3	2	2	2	2	2	3	3	**85 2.6**
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration			1			1	1				1	1		1		**32 1.0**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration					3							2				**12 1.3**
Nerve, Degeneration	3	3	3	2		4	4	4	3	3	3	2	1	3	3	**81 2.9**
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	1	2	2	3	1	1	2	2	1	1	2	1		2	2	**69 1.8**
Trigeminal Ganglion	+	+	+	M	+	+	+	+	M	M	+	I	+	+	+	**77**
Degeneration															1	**15 1.0**
RESPIRATORY SYSTEM																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion						2							3			**10 2.3**

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DAY ON TEST	073 2	073 3	073 3	073 0	073 7	067 4	073 1	073 0	073 4	071 6	073 3	063 8	055 4	073 7	073 7	
HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	012 18	012 19	012 20	012 22	012 23	012 24	012 25	012 26	012 27	012 28	012 29	012 30	012 31	012 34	012 35	*** TOTALS**
Foreign Body																**1**
Inflammation, Suppurative																**1 3.0**
Inflammation, Chronic Active																**3 1.3**
Alveolus, Infiltration Cellular, Histiocyte				1	1			1		2	1			1	2	**48 1.4**
Artery, Inflammation, Chronic Active													3			**3 2.0**
Epithelium Alveolus, Hyperplasia																**1 3.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Foreign Body																**4**
Inflammation, Suppurative																**10 1.2**
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	1	1	2	2		1		2	2	2	2	1	3	2	**81 1.8**
Olfactory Epithelium, Metaplasia, Respiratory																**2 1.5**
Respiratory Epithelium, Accumulation, Hyaline Droplet																**1 1.0**
Respiratory Epithelium, Hyperplasia								1								**11 1.3**
Septum, Developmental Malformation																**1**
Trachea	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**86**
Artery, Inflammation, Chronic Active																**1 3.0**
Glands, Inflammation, Acute																**1 2.0**
SPECIAL SENSES SYSTEM																
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**83**
Anterior Chamber, Inflammation, Acute																**2 1.5**
Cornea, Fibrosis																**6 1.2**
Cornea, Inflammation, Acute											1					**25 1.4**
Cornea, Neovascularization																**19 1.2**
Cornea, Ulcer																**2 2.5**

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0732	0733	0733	0730	0737	0674	0731	0730	0734	0716	0733	0638	0554	0737	0737	
HARLAN SPRAGUE DAWLEY RATS MALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235	*** TOTALS**
Cornea, Epithelium, Degeneration																**2 1.0**
Cornea, Epithelium, Hyperplasia											2					**20 1.4**
Lens, Cataract																**2 1.5**
Retina, Atrophy															1	**14 1.1**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration, Cystic																**3 1.3**
Hyperplasia									1							**3 1.3**
Hypertrophy							2									**1 2.0**
Inflammation, Chronic Active																**1 1.0**
Lacrimal Gland																**2**
Metaplasia, Harderian Gland																**2 3.0**
URINARY SYSTEM																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Inflammation, Suppurative																**1 2.0**
Mineral																**1 2.0**
Nephropathy, Chronic Progressive	1	2	4	1	2	3	2	2	2	4	3	3	4	2	4	**89 2.6**
Artery, Inflammation, Chronic Active													2			**1 2.0**
Pelvis, Inflammation, Suppurative																**1 1.0**
Pelvis, Inflammation, Chronic Active																**1 1.0**
Renal Tubule, Accumulation, Hyaline Droplet												3				**1 3.0**
Renal Tubule, Cyst																**6**
Renal Tubule, Hyperplasia			1													**2 1.0**
Urothelium, Hyperplasia																**2 1.5**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**85**
Inflammation, Suppurative																**1 3.0**

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DAY ON TEST	0732	0733	0733	0730	0737	0674	0731	0730	0734	0716	0733	0638	0554	0737	0737		
HARLAN SPRAGUE DAWLEY RATS MALE																	
6.0W/kg(GSM)chr ANIMAL ID	01218	01219	01220	01222	01223	01224	01225	01226	01227	01228	01229	01230	01231	01234	01235		*** TOTALS**
Urothelium, Hyperplasia																	**1 1.0**

*** END OF MALE DATA ***

DAY ON TEST	0550	0662	0739	0738	0740	0493	0745	0660	0268	0741	0508	0744	0745	0712	0565	0622	0578	0531	0711	0738	0719	0464	0738	0737	0547	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr ANIMAL ID	00607	00608	00609	00610	00611	00613	00614	00615	00616	00618	00619	00621	00622	00623	00624	00625	00626	00627	00628	00629	00630	00631	00632	00633	00634	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	A	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	
Hyperplasia, Lymphocyte																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	A	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis	1									1																
Basophilic Focus					X																					
Clear Cell Focus							X																			
Eosinophilic Focus										X							X							X		
Extramedullary Hematopoiesis		1				1			1										1	1						
Hepatodiaphragmatic Nodule							X																			
Infiltration Cellular, Mixed Cell																					1					
Mixed Cell Focus						X							X										X	X		
Bile Duct, Cyst				X	X																			X		
Bile Duct, Fibrosis																										
Bile Duct, Hyperplasia														2												
Hepatocyte, Hypertrophy																										

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DAY ON TEST	0550	0662	0739	0738	0740	0493	0745	0660	0268	0741	0508	0744	0745	0712	0565	0622	0578	0531	0711	0738	0719	0464	0738	0737	0547	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00607	00608	00609	00610	00611	00613	00614	00615	00616	00618	00619	00621	00622	00623	00624	00625	00626	00627	00628	00629	00630	00631	00632	00633	00634	**females (cont...)**
Hepatocyte, Increased Mitoses																										
Hepatocyte, Necrosis																			2							
Hepatocyte, Vacuolation, Cytoplasmic															2											
Kupffer Cell, Hyperplasia																			1							
Kupffer Cell, Hypertrophy																										
Periductal, Cholangiofibrosis													2													
Serosa, Inflammation, Chronic Active																										
Mesentery																										
Inflammation, Chronic Active																										
Necrosis																										
Oral Mucosa																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Liver					X																					
Inflammation, Chronic Active																										
Acinus, Atrophy																										
Acinus, Hyperplasia																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Duct, Parotid Gland, Dilation																					3					
Parotid Gland, Atrophy																					2					
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																					2					
Erosion																					1					
Fibrosis							2																			
Inflammation, Chronic Active																				3						
Ulcer		2																								

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 0.0W/kg(GSM)chr / ANIMAL ID	0550	0662	0739	0738	0740	0493	0745	0660	0268	0741	0508	0744	0745	0712	0565	0622	0578	0531	0711	0738	0719	0464	0738	0737	0547	females (cont...)
	00607	00608	00609	00610	00611	00613	00614	00615	00616	00618	00619	00621	00622	00623	00624	00625	00626	00627	00628	00629	00630	00631	00632	00633	00634	
Epithelium, Hyperplasia		2												1						3						
Epithelium, Hyperplasia, Basal Cell										1																
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																										
Tongue															+											
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy						1		1	1	1	1			1					2	1			1			
Ventricle Right, Cardiomyopathy																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																							X			
Atrophy																										
Degeneration, Cystic			1	1	1			2				2							2	3						
Hyperplasia										2			2							3						
Hypertrophy	2		1	2	2		1				2	2	1					2	2		1		1	1		
Necrosis																										
Pigment																										
Vacuolation, Cytoplasmic		1															2			2			1			
Adrenal Medulla	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Hyperplasia										1						2										

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HARLAN SPRAGUE DAWLEY RATS FEMALE 0.0W/kg(GSM)chr	DAY ON TEST	0550	0662	0739	0738	0740	0493	0745	0660	0268	0741	0508	0744	0745	0712	0565	0622	0578	0531	0711	0738	0719	0464	0738	0737	0547	females (cont...)
	ANIMAL ID	00607	00608	00609	00610	00611	00613	00614	00615	00616	00618	00619	00621	00622	00623	00624	00625	00626	00627	00628	00629	00630	00631	00632	00633	00634	
Necrosis																											
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia											1																
Parathyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																	1							1	1	2	
Hyperplasia, Focal																										1	
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																									X		
Pars Distalis, Angiectasis																								3			
Pars Distalis, Cyst																											
Pars Distalis, Hyperplasia					1									4					3					2			
Pars Intermedia, Cyst																											
Pars Intermedia, Hyperplasia																											
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia											4						3		1			1					
Follicle, Cyst																								X			
GENERAL BODY SYSTEM																											
Tissue NOS					+																						
Inflammation, Chronic Active																											
Fat, Necrosis					3																						
GENITAL SYSTEM																											
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00607	00608	00609	00610	00611	00613	00614	00615	00616	00618	00619	00621	00622	00623	00624	00625	00626	00627	00628	00629	00630	00631	00632	00633	00634	**females (cont...)**
Inflammation, Suppurative																										
Inflammation, Chronic Active												1				3	3	1	2					3		
Duct, Dilation	4		1	1			4			3				3	2				2		3	3		2		
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	4	3	3	3	3		2	2		2	2	4	3			3	3	2		3	1	3		4	2	
Congestion																										
Cyst										X	X			X	X								X			
Bursa, Dilation																								2		
Rete Ovarii, Hyperplasia							4														2			1		
Oviduct																										
Cyst																										
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Cyst																										
Dilation					2								2													
Fibrosis																										
Inflammation, Suppurative					1																					
Inflammation, Acute								1																		
Thrombus												4														
Cervix, Hyperplasia, Stromal																										
Cervix, Serosa, Fibrosis											2															
Endometrium, Hyperplasia, Cystic		1	1		1					2			3							2				1		
Epithelium, Metaplasia, Squamous	2		1	1				2		1	3	2					2	4				1			1	
Vagina																										

HEMATOPOIETIC SYSTEM

HARLAN SPRAGUE DAWLEY RATS FEMALE
0.0W/kg(GSM)chr

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ANIMAL ID	00607	00608	00609	00610	00611	00613	00614	00615	00616	00618	00619	00621	00622	00623	00624	00625	00626	00627	00628	00629	00630	00631	00632	00633	00634	**females (cont...)**
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	3	4				3	1		2		3	3		2			4	3	4	4		4	1	1	2	
Lymph Node	+													+					+							
Axillary, Proliferation, Plasma Cell																										
Iliac, Erythrophagocytosis																										
Iliac, Hyperplasia, Lymphocyte																										
Iliac, Inflammation, Acute																										
Iliac, Pigment																										
Iliac, Proliferation, Plasma Cell																										
Inguinal, Erythrophagocytosis																			2							
Inguinal, Proliferation, Plasma Cell																			3							
Inguinal, Lymphatic Sinus, Ectasia																			2							
Lumbar, Erythrophagocytosis	3																									
Mediastinal, Congestion																										
Mediastinal, Proliferation, Plasma Cell																										
Pancreatic, Erythrophagocytosis																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Hyperplasia, Lymphocyte			1	1	1		1			1						2	1	1		1	1		2		2	
Proliferation, Plasma Cell	2	3	1	1	1	1	2			1			1		2	2	2	1	2	1	2		2	2	2	
Lymphatic Sinus, Ectasia										1																
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Erythrophagocytosis																										
Infiltration Cellular, Histiocyte									2													1				

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
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Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	2	3	2	2	2	3	1	1	2	2		3	3			2	3	3	4	3		2	3	3	1	
Hyperplasia, Stromal																										
Pigment	1	1	2	3	2	1	3	3	2	1		1	1		2	3	1	1		1	2	2	2	3	3	
Red Pulp, Atrophy								2							2						2				3	
White Pulp, Atrophy																					1					
Thymus	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	2	2	1		1	2				1	1	1	2	4	2	2	1	3	3	4	1	2	1		
Cyst	X	X	X				X				X		X	X			X			X				X		
Ectopic Parathyroid Gland																										
Hemorrhage																									2	
Hyperplasia, Epithelial	1		2	1			1				1	1	1	1		2		1		2			1	1		
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele								X								X						X		X		
Hyperplasia						1	2							3	1		1			2	4		4	2	1	
Duct, Dilation		3	1	1	1			1		1			1			2	2					3		2	2	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																										
Inflammation, Chronic Active								2																		
Epidermis, Hyperplasia								2																		
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cranium, Fracture																										

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
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Mandible, Fracture																										
Maxilla, Fracture																										
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression							3	2								2					2	2	1	1	3	
Congestion																										
Edema														2												
Meninges, Hyperplasia																										
Meninges, Hyperplasia, Granular Cell																										
Pineal Gland, Mineral																										
Pineal Gland, Vacuolation, Cytoplasmic																										
Nerve Trigeminal	M	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration				1	2		3	1		3		1		1		1	2	1			3	1	3		1	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1		1	1			1	2		1	1	2	3	1		2	1		2	2	2	1	3	2	1	
Infiltration Cellular, Mixed Cell																										
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1	1	1	1	1	1	2		2		1	3	2		2			2	2	2		3	2		
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration							3										1				1					

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0550	0662	0739	0738	0740	0493	0745	0660	0268	0741	0508	0744	0745	0712	0565	0622	0578	0531	0711	0738	0719	0464	0738	0737	0547	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00607	00608	00609	00610	00611	00613	00614	00615	00616	00618	00619	00621	00622	00623	00624	00625	00626	00627	00628	00629	00630	00631	00632	00633	00634	**females (cont...)**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration								1					2		1											
Nerve, Degeneration		1	2	2	2		1			2	1	3		1	2	2	3		2	3	2		3	3	1	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration			2	2	2		1			2		2	1	1					1	2	1		2	2		
Trigeminal Ganglion	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	M	+	+	+	+	+	+	+	I	+	
Degeneration			1	1						1		1	1						1	1						
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																									3	
Hemorrhage																										
Inflammation, Suppurative								1																1		
Inflammation, Granulomatous																										
Inflammation, Chronic Active																										
Alveolus, Infiltration Cellular, Histiocyte	1	1	3	1		1	1			1	3	1	1			2		1	2	3	1	2	1	3	2	
Artery, Inflammation, Chronic Active																										
Epithelium Alveolus, Hyperplasia																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	3	3	3	2	3	4	4	2	4	3	4	3	3	3	3	2	3	2	3	3	3	3	2	3	
Olfactory Epithelium, Metaplasia, Respiratory																										
Respiratory Epithelium, Accumulation, Hyaline Droplet																						2			1	

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 0.0W/kg(GSM)chr / ANIMAL ID	0550 0060607	0662 0060608	0739 0060609	0738 0060610	0740 0060611	0493 0060613	0745 0060614	0660 0060615	0268 0060616	0741 0060618	0508 0060619	0744 0060621	0745 0060622	0712 0060623	0565 0060624	0622 0060625	0578 0060626	0531 0060627	0711 0060628	0738 0060629	0719 0060630	0464 0060631	0738 0060632	0737 0060633	0547 0060634	females (cont...)
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active						1																				
Glands, Cyst																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cornea, Inflammation, Acute																				1						
Cornea, Epithelium, Hyperplasia																				1						
Lens, Cataract			2																							
Retina, Atrophy					1																1		1			
Retina, Dysplasia																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy			1				1					1						1								
Infiltration Cellular, Lymphocyte							1																		1	
Inflammation, Granulomatous																			1							
Inflammation, Chronic																										
Inflammation, Chronic Active																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																										
Nephropathy, Chronic Progressive	1		1		1	1	1	1	1	1	1		1	1	2	1		1	3	1	1	1	1	1	1	
Artery, Inflammation, Chronic Active																										
Pelvis, Dilation																										
Renal Tubule, Cyst											X											X				
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	

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DAY ON TEST	0550	0662	0739	0738	0740	0493	0745	0660	0268	0741	0508	0744	0745	0712	0565	0622	0578	0531	0711	0738	0719	0464	0738	0737	0547	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00607	00608	00609	00610	00611	00613	00614	00615	00616	00618	00619	00621	00622	00623	00624	00625	00626	00627	00628	00629	00630	00631	00632	00633	00634	**females (cont...)**
Dilation																										
Inflammation, Acute		2																								
Necrosis																										
Urothelium, Hyperplasia																										

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DAY ON TEST	073	073	048	074	061	044	065	074	074	074	070	064	074	074	055	069	074	074	073	053	074	074	074	020	073
HARLAN SPRAGUE DAWLEY RATS FEMALE	7	8	9	1	4	4	6	1	4	0	9	1	1	1	0	0	5	1	8	1	0	0	4	2	9
0.0W/kg(GSM)chr ANIMAL ID	00635	00636	00637	00639	00641	00642	00643	00644	00645	00646	00647	00648	00649	00651	00652	00653	00654	00655	00656	00657	00658	00659	00660	00661	00663
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphocyte																									
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis														1											
Basophilic Focus	X												X						X						
Clear Cell Focus																									
Eosinophilic Focus								X																	
Extramedullary Hematopoiesis						1	1													2					
Hepatodiaphragmatic Nodule																									
Infiltration Cellular, Mixed Cell																									
Mixed Cell Focus		X	X			X				X					X				X	X			X		X
Bile Duct, Cyst							X	X				X					X					X	X		
Bile Duct, Fibrosis																									
Bile Duct, Hyperplasia												2					1						1		
Hepatocyte, Hypertrophy																						3			

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DAY ON TEST	073	073	048	074	061	046	065	074	074	074	070	064	074	074	055	069	074	074	073	053	074	074	074	020	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr ANIMAL ID	00635	00636	00637	00639	00641	00642	00643	00644	00645	00646	00647	00648	00649	00651	00652	00653	00654	00655	00656	00657	00658	00659	00660	00661	00663	**females (cont...)**
Hepatocyte, Increased Mitoses																										
Hepatocyte, Necrosis											1					2						2				
Hepatocyte, Vacuolation, Cytoplasmic																										
Kupffer Cell, Hyperplasia																										
Kupffer Cell, Hypertrophy																						2				
Periductal, Cholangiofibrosis																										
Serosa, Inflammation, Chronic Active																2										
Mesentery												+				+			+							
Inflammation, Chronic Active																4										
Necrosis																			1							
Oral Mucosa										+																
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Liver																										
Inflammation, Chronic Active																2										
Acinus, Atrophy																	1									
Acinus, Hyperplasia																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Duct, Parotid Gland, Dilation																										
Parotid Gland, Atrophy																						3				
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Erosion																										
Fibrosis																										
Inflammation, Chronic Active												1														
Ulcer																										

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 0.0W/kg(GSM)chr / ANIMAL ID	0737 00635	0738 00636	0489 00637	0741 00639	0614 00641	0464 00642	0656 00643	0741 00644	0744 00645	0740 00646	0709 00647	0641 00648	0741 00649	0741 00651	0550 00652	0690 00653	0745 00654	0741 00655	0738 00656	0531 00657	0740 00658	0740 00659	0744 00660	0202 00661	0739 00663	females (cont...)
Epithelium, Hyperplasia												2														
Epithelium, Hyperplasia, Basal Cell																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																					2					
Tongue																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy		1		1	1		1						1	1		1			1		1				1	
Ventricle Right, Cardiomyopathy																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule		X																			X					
Atrophy																										
Degeneration, Cystic				1				2						1		2		1	3			3				
Hyperplasia				3			2											2		2					1	
Hypertrophy	1	1			1		2	1	2	1			1		2		1	1	2		1		3		1	
Necrosis											4															
Pigment																										
Vacuolation, Cytoplasmic							2		1		2	2	1					1				3				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																					2				4	

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DAY ON TEST	073	073	048	074	061	046	065	074	074	074	070	064	074	074	055	069	074	074	073	053	074	074	074	020	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	7	8	9	1	4	4	6	1	4	0	9	1	1	1	0	0	5	1	8	1	0	0	4	2	9	
0.0W/kg(GSM)chr ANIMAL ID	00635	00636	00637	00639	00641	00642	00643	00644	00645	00646	00647	00648	00649	00651	00652	00653	00654	00655	00656	00657	00658	00659	00660	00661	00663	**females (cont...)**
Necrosis				3																						
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	1					1							1	1	1				4				1			
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis		1			1						1															
Hyperplasia, Focal									1																	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Pars Distalis, Angiectasis																										
Pars Distalis, Cyst								X						X				X				X				
Pars Distalis, Hyperplasia												2			1							1				
Pars Intermedia, Cyst																				X						
Pars Intermedia, Hyperplasia																				2						
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia	1			2				2	1	2			2	4					4		4	1	2		4	
Follicle, Cyst																										
GENERAL BODY SYSTEM																										
Tissue NOS							+		+		+															
Inflammation, Chronic Active																										
Fat, Necrosis							3		2																	
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	073	073	048	074	061	046	065	074	074	074	070	064	074	074	055	069	074	074	073	053	074	074	074	020	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	7	8	9	1	4	4	6	1	4	0	9	1	1	1	0	0	5	1	8	1	0	0	4	2	9	
0.0W/kg(GSM)chr ANIMAL ID	00635	00636	00637	00639	00641	00642	00643	00644	00645	00646	00647	00648	00649	00651	00652	00653	00654	00655	00656	00657	00658	00659	00660	00661	00663	**females (cont...)**
Inflammation, Suppurative										2																
Inflammation, Chronic Active		2		2					1		1						1		1						2	
Duct, Dilation		4		4	3	4		3		4	4	2						1		2		2			4	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	4	3	4	3		2	2	3	4	2		2	2	3	4	4	3	3	3	2		4		2	
Congestion																										
Cyst																			X	X	X		X			
Bursa, Dilation																										
Rete Ovarii, Hyperplasia	1				1				2								1	2								
Oviduct																							+			
Cyst																							X			
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Cyst																										
Dilation	3																		1				2	2		
Fibrosis																3										
Inflammation, Suppurative	3															4										
Inflammation, Acute																										
Thrombus																										
Cervix, Hyperplasia, Stromal																										
Cervix, Serosa, Fibrosis																										
Endometrium, Hyperplasia, Cystic		1	1	1	2		3	3	2					1					1		3		2		2	
Epithelium, Metaplasia, Squamous	4		1	1	1			1	1	1			3	1	4	4	2	1		3	1				2	
Vagina																						+				

HEMATOPOIETIC SYSTEM

HARLAN SPRAGUE DAWLEY RATS FEMALE
0.0W/kg(GSM)chr

DAY ON TEST	073	073	048	074	061	046	065	074	074	074	070	064	074	074	055	069	074	074	073	053	074	074	020	073	
ANIMAL ID	00635	00636	00637	00639	00641	00642	00643	00644	00645	00646	00647	00648	00649	00651	00652	00653	00654	00655	00656	00657	00658	00659	00660	00661	00663	**females (cont...)**
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	2	2	2		1	2	4	3			2	4	2		3	4				4	3	4				
Lymph Node											+					+	+					+				
Axillary, Proliferation, Plasma Cell																										
Iliac, Erythrophagocytosis																	3									
Iliac, Hyperplasia, Lymphocyte																										
Iliac, Inflammation, Acute																2										
Iliac, Pigment																										
Iliac, Proliferation, Plasma Cell																4										
Inguinal, Erythrophagocytosis																										
Inguinal, Proliferation, Plasma Cell																										
Inguinal, Lymphatic Sinus, Ectasia																										
Lumbar, Erythrophagocytosis																										
Mediastinal, Congestion																2										
Mediastinal, Proliferation, Plasma Cell																3										
Pancreatic, Erythrophagocytosis																						3				
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																								1		
Hyperplasia, Lymphocyte	1		1	1	1					1				1		1			1		1		1			
Proliferation, Plasma Cell	1		1	1	3	2	2					3		1	1	2	1		2	2	1		1		1	
Lymphatic Sinus, Ectasia																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Erythrophagocytosis											3															
Infiltration Cellular, Histiocyte																										

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DAY ON TEST	073	073	048	074	061	046	065	074	074	074	070	064	074	074	055	069	074	074	073	053	074	074	074	020	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	7	8	9	1	4	4	6	1	4	0	9	1	1	1	0	0	5	1	8	1	0	0	4	2	9	
0.0W/kg(GSM)chr ANIMAL ID	00635	00636	00637	00639	00641	00642	00643	00644	00645	00646	00647	00648	00649	00651	00652	00653	00654	00655	00656	00657	00658	00659	00660	00661	00663	**females (cont...)**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	3	2	1	2	2	2	4	4	1	3	3		2	3	1	2	2	2	2	4	1	4	2	1	2	
Hyperplasia, Stromal													4													
Pigment	3	1	2	2	2	1		1	2	3			2	2	2	2	2	3	2	1	1		3	2	2	
Red Pulp, Atrophy																							2			
White Pulp, Atrophy																1										
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1	2	1	2	1	1	1	2	1		2	3	2	1	1	3	1	1	2	1	1	4	1		1	
Cyst			X		X		X	X	X	X					X	X	X	X	X	X		X			X	
Ectopic Parathyroid Gland																X										
Hemorrhage																										
Hyperplasia, Epithelial	1	1		1	1	1		1	1				1	4	1		1		1	1		1	1		1	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele	X						X	X	X	X	X		X					X		X	X		X			
Hyperplasia			1	1		3	1	3	1	2	1	1			1	2	1	1	1	2		4	1		1	
Duct, Dilation	4	1	3	4	1		3	4		2	3		3	4	2	1	2	2	1	2	3		1		2	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																										
Inflammation, Chronic Active																										
Epidermis, Hyperplasia																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cranium, Fracture																								X		

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DAY ON TEST	073	073	048	074	061	046	065	074	074	074	070	064	074	074	055	069	074	074	073	053	074	074	074	020	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr ANIMAL ID	00635	00636	00637	00639	00641	00642	00643	00644	00645	00646	00647	00648	00649	00651	00652	00653	00654	00655	00656	00657	00658	00659	00660	00661	00663	**females (cont...)**
Mandible, Fracture																								X		
Maxilla, Fracture																								X		
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration												1														
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression	1	1											2				1	1			2		1			
Congestion														1												
Edema																					1					
Meninges, Hyperplasia																										
Meninges, Hyperplasia, Granular Cell																	3									
Pineal Gland, Mineral																			1							
Pineal Gland, Vacuolation, Cytoplasmic																			1							
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Degeneration	3			2	2		2	1	2	2	2	3	3	2		2	3	3	2	1	3	1	3			
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	1	1	2	1	1	2	2	2	2	1	1	2	2	1	2	1	2	2	2	2	2	2	1	1	
Infiltration Cellular, Mixed Cell																	1									
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	1		2	1	1	2	2	2	2	1	2	1	1	1	2	1	2	1	1	1	2	2		1	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration				1			1	1	1	1	1					1	1	1				1				

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DAY ON TEST	073	073	048	074	061	046	065	074	074	074	070	064	074	074	055	069	074	074	073	053	074	074	074	020	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	7	8	9	1	4	4	6	1	4	0	9	1	1	1	0	0	5	1	8	1	0	0	4	2	9	
0.0W/kg(GSM)chr ANIMAL ID	00635	00636	00637	00639	00641	00642	00643	00644	00645	00646	00647	00648	00649	00651	00652	00653	00654	00655	00656	00657	00658	00659	00660	00661	00663	**females (cont...)**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration																1				1						
Nerve, Degeneration	2	1		3	1		2	3	2	3	2	2	2	3		2	1	3	2	2	3	2	4		1	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	2		3			1	2	3	3			2	2		1	1	3	2		1		2		1	
Trigeminal Ganglion	+	+	+	M	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	
Degeneration	1							1			1	1		1		2		2	1		1	1	2		1	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Hemorrhage																										
Inflammation, Suppurative																										
Inflammation, Granulomatous																										
Inflammation, Chronic Active																										
Alveolus, Infiltration Cellular, Histiocyte	2	1	1	1		1	1	2	1	1		2		3	2	3	3	2	2	1		1	2	1	1	
Artery, Inflammation, Chronic Active																										
Epithelium Alveolus, Hyperplasia								2																		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative		1																								
Olfactory Epithelium, Accumulation, Hyaline Droplet	1	3	2	2	2	3	3	3	3	3	3	2	3	3	3	3	1	2	2	2	3	1	2		3	
Olfactory Epithelium, Metaplasia, Respiratory																										
Respiratory Epithelium, Accumulation, Hyaline Droplet					1										1										1	

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HARLAN SPRAGUE DAWLEY RATS FEMALE 0.0W/kg(GSM)chr DAY ON TEST	0737	0738	0489	0741	0614	0464	0656	0741	0744	0740	0709	0641	0741	0741	0550	0690	0745	0741	0738	0531	0740	0740	0744	0202	0739	
ANIMAL ID	0006 35	0006 36	0006 37	0006 39	0006 41	0006 42	0006 43	0006 44	0006 45	0006 46	0006 47	0006 48	0006 49	0006 51	0006 52	0006 53	0006 54	0006 55	0006 56	0006 57	0006 58	0006 59	0006 60	0006 61	0006 63	**females (cont...)**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Glands, Cyst																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	
Cornea, Inflammation, Acute																										
Cornea, Epithelium, Hyperplasia																										
Lens, Cataract																										
Retina, Atrophy	1	1		1									1				1				1		1			
Retina, Dysplasia																								1		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		1											1	1	1											
Infiltration Cellular, Lymphocyte																										
Inflammation, Granulomatous															1				1		1	1				
Inflammation, Chronic				1				1						1												
Inflammation, Chronic Active																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																1										
Nephropathy, Chronic Progressive	1	1		1	1	1		1	1		2	2	1	1	1	2	1	1	1	3	1	1	1	1	1	
Artery, Inflammation, Chronic Active																										
Pelvis, Dilation											2															
Renal Tubule, Cyst																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	073	073	048	074	061	046	065	074	074	074	070	064	074	074	055	069	074	074	073	053	074	074	074	020	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	7	8	9	1	4	4	6	1	4	0	9	1	1	1	0	0	5	1	8	1	0	0	4	2	9	
0.0W/kg(GSM)chr ANIMAL ID	00635	00636	00637	00639	00641	00642	00643	00644	00645	00646	00647	00648	00649	00651	00652	00653	00654	00655	00656	00657	00658	00659	00660	00661	00663	**females (cont...)**
Dilation																										
Inflammation, Acute																						1				
Necrosis																										
Urothelium, Hyperplasia																										

DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00664	00665	00666	00668	00669	00670	00671	00672	00674	00675	00677	00678	00679	00680	00681	00683	00684	00686	00687	00688	00689	00690	00691	00692	00693	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphocyte																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																			1						1	
Basophilic Focus											X						X	X						X		
Clear Cell Focus																X										
Eosinophilic Focus				X				X										X			X					
Extramedullary Hematopoiesis	1	1					1												1							
Hepatodiaphragmatic Nodule																										
Infiltration Cellular, Mixed Cell																										
Mixed Cell Focus		X					X			X		X	X		X	X					X		X	X	X	
Bile Duct, Cyst												X		X												
Bile Duct, Fibrosis																			1							
Bile Duct, Hyperplasia				1	1			1																		
Hepatocyte, Hypertrophy																			1							

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DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00664	00665	00666	00668	00669	00670	00671	00672	00674	00675	00677	00678	00679	00680	00681	00683	00684	00686	00687	00688	00689	00690	00691	00692	00693	**females (cont...)**
Hepatocyte, Increased Mitoses										1									1							
Hepatocyte, Necrosis																										
Hepatocyte, Vacuolation, Cytoplasmic																										
Kupffer Cell, Hyperplasia										1									1							
Kupffer Cell, Hypertrophy				1																						
Periductal, Cholangiofibrosis																										
Serosa, Inflammation, Chronic Active																										
Mesentery						+																				
Inflammation, Chronic Active																										
Necrosis																										
Oral Mucosa																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Liver																										
Inflammation, Chronic Active																										
Acinus, Atrophy					1			1				1				1										
Acinus, Hyperplasia													2													
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Duct, Parotid Gland, Dilation																										
Parotid Gland, Atrophy														2					2							
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																	2									
Erosion									2																	
Fibrosis																										
Inflammation, Chronic Active									2					1												
Ulcer																										

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 0.0W/kg(GSM)chr / ANIMAL ID	0353 00664	0662 00665	0531 00666	0744 00668	0740 00669	0737 00670	0662 00671	0492 00672	0634 00674	0744 00675	0741 00677	0739 00678	0744 00679	0744 00680	0740 00681	0739 00683	0524 00684	0737 00686	0739 00687	0608 00688	0513 00689	0622 00690	0740 00691	0741 00692	0744 00693	females (cont...)
Epithelium, Hyperplasia									2		1			1	3											
Epithelium, Hyperplasia, Basal Cell																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																										
Tongue																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy		2			1	1				2		1	1	1	1		1	1			1		1	1	1	
Ventricle Right, Cardiomyopathy		1			1																			1	1	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule				X										X												
Atrophy																										
Degeneration, Cystic					1									1				1				2		1		
Hyperplasia					3																		1	1	1	
Hypertrophy				1	1			3		1	3	1	1	3	1		1	1				2		1	2	
Necrosis																							1			
Pigment																										
Vacuolation, Cytoplasmic														2		1										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia										1	1					1	1						1		1	

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DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr ANIMAL ID	00664	00665	00666	00668	00669	00670	00671	00672	00674	00675	00677	00678	00679	00680	00681	00683	00684	00686	00687	00688	00689	00690	00691	00692	00693	**females (cont...)**
Necrosis																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					1							1	1			1										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	I	+	M	+	
Fibrosis													1		2				2							
Hyperplasia, Focal																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Pars Distalis, Angiectasis													2													
Pars Distalis, Cyst												X														
Pars Distalis, Hyperplasia				3		2			3			2			4	3		4			2					
Pars Intermedia, Cyst												X														
Pars Intermedia, Hyperplasia																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia				2	4	2							4		2				2					2	2	
Follicle, Cyst																										
GENERAL BODY SYSTEM																										
Tissue NOS	+																						+			
Inflammation, Chronic Active																										
Fat, Necrosis	3																						2			
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr ANIMAL ID	00664	00665	00666	00668	00669	00670	00671	00672	00674	00675	00677	00678	00679	00680	00681	00683	00684	00686	00687	00688	00689	00690	00691	00692	00693	**females (cont...)**
Inflammation, Suppurative																										
Inflammation, Chronic Active		3	2					2					2	3	1	1								2		
Duct, Dilation	3		2	2		3				2	4	3		2	4	3			3		3	3		4	2	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3		3			2	3		3	2	3	4	3	4	3		4	3	3	2	3	3	4	4	4	
Congestion																										
Cyst			X	X	X								X			X			X			X				
Bursa, Dilation										4												3				
Rete Ovarii, Hyperplasia						1								2				1		4		2			3	
Oviduct																										
Cyst																										
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis							2																			
Cyst													X	X										X		
Dilation						2				3																
Fibrosis																										
Inflammation, Suppurative																										
Inflammation, Acute																										
Thrombus																										
Cervix, Hyperplasia, Stromal																										
Cervix, Serosa, Fibrosis																										
Endometrium, Hyperplasia, Cystic			3				2		1		2	1	2		2			1	1	1					2	
Epithelium, Metaplasia, Squamous	1		2			3	3		1		1	2	4		2					4	4	1	1		4	
Vagina																			+							

HEMATOPOIETIC SYSTEM

DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	00664	00665	00666	00668	00669	00670	00671	00672	00674	00675	00677	00678	00679	00680	00681	00683	00684	00686	00687	00688	00689	00690	00691	00692	00693	**females (cont...)**
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	3	4	3	4			4	4	4	4	1	1						1	4		2	2			1	
Lymph Node		+		+						+									+							
Axillary, Proliferation, Plasma Cell				3																						
Iliac, Erythrophagocytosis										2																
Iliac, Hyperplasia, Lymphocyte		1																								
Iliac, Inflammation, Acute																										
Iliac, Pigment																										
Iliac, Proliferation, Plasma Cell		3								2									1							
Inguinal, Erythrophagocytosis																										
Inguinal, Proliferation, Plasma Cell																										
Inguinal, Lymphatic Sinus, Ectasia																										
Lumbar, Erythrophagocytosis																										
Mediastinal, Congestion																										
Mediastinal, Proliferation, Plasma Cell																										
Pancreatic, Erythrophagocytosis																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Hyperplasia, Lymphocyte		2			2		2				2	1	1		2	1	1	2				1		2	2	
Proliferation, Plasma Cell		2	2	2	1		3	2	2	1	2	1	2	1	2	2	2	1		1	1	1	1	2	2	
Lymphatic Sinus, Ectasia																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																			1							
Erythrophagocytosis																										
Infiltration Cellular, Histiocyte																										

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1) Minimal 3) Moderate
2) Mild 4) Marked

HARLAN SPRAGUE DAWLEY RATS FEMALE
0.0W/kg(GSM)chr

DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	**females (cont...)**
ANIMAL ID	00664	00665	00666	00668	00669	00670	00671	00672	00674	00675	00677	00678	00679	00680	00681	00683	00684	00686	00687	00688	00689	00690	00691	00692	00693	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	1	4	2	3	2	1	3	3	3	4	2	3	2	2	2	2			4	2	1	2	3	2	1	
Hyperplasia, Stromal																										
Pigment	1		1		2				1		3	2	3	3	2	2	3	3		3	2	1	1	2	2	
Red Pulp, Atrophy																										
White Pulp, Atrophy																										
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		2	1	1	2	1	2	2	1	2	1		1	1		1		1	2	1		1	1	1	2	
Cyst		X				X			X	X	X		X	X					X			X			X	
Ectopic Parathyroid Gland																										
Hemorrhage																										
Hyperplasia, Epithelial		1			1	1	1		1	2	2		1	1	1	1		1	3	2	1		1	1	1	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele										X				X						X	X					
Hyperplasia		4	1	3	2			1						1		4		1		1		4	4			
Duct, Dilation			1	1	2		2		3	1	2		3	2	2			1		1	2	1			2	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																										
Inflammation, Chronic Active																										
Epidermis, Hyperplasia																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cranium, Fracture																										

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DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr ANIMAL ID	00664	00665	00666	00668	00669	00670	00671	00672	00674	00675	00677	00678	00679	00680	00681	00683	00684	00686	00687	00688	00689	00690	00691	00692	00693	**females (cont...)**
Mandible, Fracture																										
Maxilla, Fracture																										
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration													1													
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression											2			2			1		3	2		2				
Congestion																										
Edema																										
Meninges, Hyperplasia													2													
Meninges, Hyperplasia, Granular Cell																										
Pineal Gland, Mineral																										
Pineal Gland, Vacuolation, Cytoplasmic																										
Nerve Trigeminal	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2	1	1	1	2		1		3	2	3	2	1	2	3	1	2	3	2			3	3	2	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	2		1	1	1			1	2	2	1	3	1	1	2	1	2	1	1		1	1	1	2	
Infiltration Cellular, Mixed Cell																										
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	3	1	1	2	2		1	1	2	2	2	2	1	1	2	1	1	1	1		2	1	1	2	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration				1					1		1			1				1	1						1	

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DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr ANIMAL ID	00664	00665	00666	00668	00669	00670	00671	00672	00674	00675	00677	00678	00679	00680	00681	00683	00684	00686	00687	00688	00689	00690	00691	00692	00693	**females (cont...)**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration			1				1						1													
Nerve, Degeneration		1		3	2	1	1		1	3	3	2	2	1	3	2	1	2	3	2		2	3	3	3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration				2	2	2	1			1	2	1	2	2	2	2		2	2	1		1	2	2	2	
Trigeminal Ganglion	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration				1	1	1			1		1			1		1		1						1	1	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Hemorrhage																										
Inflammation, Suppurative																										
Inflammation, Granulomatous																						1				
Inflammation, Chronic Active			1								1		1						1							
Alveolus, Infiltration Cellular, Histiocyte	1	1	3	2	2	1	1	1	2	3	3	1					3	1	1	1	1	2	2	2	2	
Artery, Inflammation, Chronic Active																							2			
Epithelium Alveolus, Hyperplasia																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	2	2	2	3	2	3	3	3	3	2	3	3	1	3	3	2	3	2	2	2	3	2	3	2	
Olfactory Epithelium, Metaplasia, Respiratory																										
Respiratory Epithelium, Accumulation, Hyaline Droplet			1				1										1	1							1	

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HARLAN SPRAGUE DAWLEY RATS FEMALE 0.0W/kg(GSM)chr	DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	
	ANIMAL ID	00664	00665	00666	00668	00669	00670	00671	00672	00674	00675	00677	00678	00679	00680	00681	00683	00684	00686	00687	00688	00689	00690	00691	00692	00693	**females (cont...)**
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																											
Glands, Cyst													X														
SPECIAL SENSES SYSTEM																											
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cornea, Inflammation, Acute																											
Cornea, Epithelium, Hyperplasia																											
Lens, Cataract																											
Retina, Atrophy				1							1			1						1							
Retina, Dysplasia																											
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy				1											1					1							
Infiltration Cellular, Lymphocyte																											
Inflammation, Granulomatous			1																								
Inflammation, Chronic														2	1					2							
Inflammation, Chronic Active					1																						
URINARY SYSTEM																											
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																											
Nephropathy, Chronic Progressive				1	1	1		1	1		1	1	1	1	1	2	1			1	3	1	2	1	2	
Artery, Inflammation, Chronic Active																							2				
Pelvis, Dilation											3																
Renal Tubule, Cyst																											
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0353	0662	0531	0744	0740	0737	0662	0492	0634	0744	0741	0739	0744	0744	0740	0739	0524	0737	0739	0608	0513	0622	0740	0741	0744	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0.0W/kg(GSM)chr																										
ANIMAL ID	0064	0065	0066	0068	0069	0670	0671	0672	0674	0675	0677	0678	0679	0680	0681	0683	0684	0686	0687	0688	0689	0690	0691	0692	0693	**females (cont...)**
Dilation																			2							
Inflammation, Acute																										
Necrosis																										
Urothelium, Hyperplasia											2															

DAY ON TEST	0739	0668	0740	0489	0739	0707	0492	0636	0737	0739	0550	0738	0740	0738	0629	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
ALIMENTARY SYSTEM																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	**84**
Intestine Large, Colon	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Intestine Small, Duodenum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**86**
Hyperplasia, Lymphocyte			2													**1 2.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**83**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Angiectasis										2						**6 1.2**
Basophilic Focus								X			X	X				**11**
Clear Cell Focus																**2**
Eosinophilic Focus														X		**9**
Extramedullary Hematopoiesis		1										1		1		**15 1.1**
Hepatodiaphragmatic Nodule																**1**
Infiltration Cellular, Mixed Cell																**1 1.0**
Mixed Cell Focus	X		X				X				X			X		**29**
Bile Duct, Cyst																**11**
Bile Duct, Fibrosis																**1 1.0**
Bile Duct, Hyperplasia		1													1	**9 1.2**
Hepatocyte, Hypertrophy																**2 2.0**

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HARLAN SPRAGUE DAWLEY RATS FEMALE

0.0W/kg(GSM)chr

DAY ON TEST	073	068	074	048	073	070	049	063	073	073	055	073	074	073	062	
ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
Hepatocyte, Increased Mitoses																**2 1.0**
Hepatocyte, Necrosis		1														**4 1.5**
Hepatocyte, Vacuolation, Cytoplasmic																**1 2.0**
Kupffer Cell, Hyperplasia																**3 1.0**
Kupffer Cell, Hypertrophy																**2 1.5**
Periductal, Cholangiofibrosis																**1 2.0**
Serosa, Inflammation, Chronic Active																**1 2.0**
Mesentery																**4**
Inflammation, Chronic Active																**1 4.0**
Necrosis																**1 1.0**
Oral Mucosa																**1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Ectopic Liver																**1**
Inflammation, Chronic Active																**1 2.0**
Acinus, Atrophy																**5 1.0**
Acinus, Hyperplasia																**1 2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Duct, Parotid Gland, Dilation																**1 3.0**
Parotid Gland, Atrophy																**4 2.3**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Edema																**2 2.0**
Erosion																**2 1.5**
Fibrosis																**1 2.0**
Inflammation, Chronic Active																**4 1.8**
Ulcer																**1 2.0**

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DAY ON TEST	0739	0668	0740	0489	0739	0707	0492	0636	0737	0739	0550	0738	0740	0738	0629	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
0.0W/kg(GSM)chr ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
Epithelium, Hyperplasia										2					1	**10 1.8**
Epithelium, Hyperplasia, Basal Cell																**1 1.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Erosion																**1 2.0**
Tongue																**1**
CARDIOVASCULAR SYSTEM																
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cardiomyopathy		1						1	1	1			1	1	1	**40 1.1**
Ventricle Right, Cardiomyopathy																**4 1.0**
ENDOCRINE SYSTEM																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Accessory Adrenal Cortical Nodule																**5**
Atrophy					4											**1 4.0**
Degeneration, Cystic			3							1		3				**22 1.7**
Hyperplasia											2	2				**14 1.9**
Hypertrophy	2	1					2		1	1	2	2	2	2	2	**52 1.5**
Necrosis																**2 2.5**
Pigment					3											**1 3.0**
Vacuolation, Cytoplasmic			1							1		2		1	1	**18 1.5**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**86**
Hyperplasia								1	2					1		**13 1.5**

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HARLAN SPRAGUE DAWLEY RATS FEMALE																
0.0W/kg(GSM)chr ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
Necrosis																**1 3.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hyperplasia						1			1			1				**15 1.2**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Fibrosis	1							1	1							**13 1.2**
Hyperplasia, Focal					2											**3 1.3**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst																**1**
Pars Distalis, Angiectasis																**2 2.5**
Pars Distalis, Cyst			X		X											**7**
Pars Distalis, Hyperplasia	2	3			2					3			2			**20 2.5**
Pars Intermedia, Cyst					X											**3**
Pars Intermedia, Hyperplasia																**1 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
C-cell, Hyperplasia	2								1	1				2		**28 2.3**
Follicle, Cyst																**1**
GENERAL BODY SYSTEM																
Tissue NOS		+		+												**8**
Inflammation, Chronic Active		4														**1 4.0**
Fat, Necrosis				3												**6 2.7**
GENITAL SYSTEM																
Clitoral Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	073	068	074	048	073	070	049	063	073	073	055	073	074	073	062	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
0.0W/kg(GSM)chr ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
Inflammation, Suppurative																**1 2.0**
Inflammation, Chronic Active				1	2				1			1	1	1	1	**28 1.7**
Duct, Dilation	2		4		4	3	3				4	4	3	3		**47 2.9**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy	4	4	4	3	4	1		3	4	3		3	4		2	**72 3.0**
Congestion						2										**1 2.0**
Cyst		X						X	X		X	X		X		**22**
Bursa, Dilation													2			**4 2.8**
Rete Ovarii, Hyperplasia										3						**15 2.0**
Oviduct																**1**
Cyst																**1**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Angiectasis																**1 2.0**
Cyst			X							X						**5**
Dilation																**8 2.1**
Fibrosis																**1 3.0**
Inflammation, Suppurative									1							**4 2.3**
Inflammation, Acute																**1 1.0**
Thrombus																**1 4.0**
Cervix, Hyperplasia, Stromal									2		4					**2 3.0**
Cervix, Serosa, Fibrosis																**1 2.0**
Endometrium, Hyperplasia, Cystic	2		2	2					2			1	3	1		**37 1.7**
Epithelium, Metaplasia, Squamous	2			2				3	1	1			1		3	**48 2.0**
Vagina																**2**

HEMATOPOIETIC SYSTEM

HARLAN SPRAGUE DAWLEY RATS FEMALE

0.0W/kg(GSM)chr

DAY ON TEST	073	068	074	048	073	070	049	063	073	073	055	073	074	073	062	
ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hypercellularity	4	4	4	4	2		2		1		4	4		1		**56 2.8**
Lymph Node			+												+	**13**
Axillary, Proliferation, Plasma Cell																**1 3.0**
Iliac, Erythrophagocytosis			2													**3 2.3**
Iliac, Hyperplasia, Lymphocyte																**1 1.0**
Iliac, Inflammation, Acute																**1 2.0**
Iliac, Pigment															1	**1 1.0**
Iliac, Proliferation, Plasma Cell			2												2	**6 2.3**
Inguinal, Erythrophagocytosis																**1 2.0**
Inguinal, Proliferation, Plasma Cell																**1 3.0**
Inguinal, Lymphatic Sinus, Ectasia																**1 2.0**
Lumbar, Erythrophagocytosis																**1 3.0**
Mediastinal, Congestion																**1 2.0**
Mediastinal, Proliferation, Plasma Cell																**1 3.0**
Pancreatic, Erythrophagocytosis																**1 3.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hemorrhage																**1 1.0**
Hyperplasia, Lymphocyte	1		2		2	1		1	1	1		3	1	2	1	**46 1.3**
Proliferation, Plasma Cell	1				2	3	2	2	1	2		2	1	2	2	**68 1.6**
Lymphatic Sinus, Ectasia																**1 1.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy																**1 1.0**
Erythrophagocytosis																**1 3.0**
Infiltration Cellular, Histiocyte																**2 1.5**

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0739	0668	0740	0489	0739	0707	0492	0636	0737	0739	0550	0738	0740	0738	0629	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Extramedullary Hematopoiesis	3	4	4	3	1		2		2	2	3	3	1	3		**80 2.4**
Hyperplasia, Stromal																**1 4.0**
Pigment	1		1	1	2	2	1	2	2	2		1	1	2	3	**74 1.9**
Red Pulp, Atrophy						2		3								**7 2.3**
White Pulp, Atrophy						2										**3 1.3**
Thymus	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Atrophy	2		2	2	3	2	2	3	1	1	1	2		1		**75 1.7**
Cyst					X	X			X	X		X				**39**
Ectopic Parathyroid Gland																**1**
Hemorrhage															2	**2 2.0**
Hyperplasia, Epithelial	1		1	2		1		1	2	1		1				**55 1.2**
INTEGUMENTARY SYSTEM																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Galactocele			X	X				X		X					X	**24**
Hyperplasia			2	3	3	4	1	1	4		3		1	4		**49 2.1**
Duct, Dilation	1	2	3	3				4	2			1	2		3	**56 2.1**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst Epithelial Inclusion									X							**1**
Inflammation, Chronic Active																**1 2.0**
Epidermis, Hyperplasia						4										**2 3.0**
MUSCULOSKELETAL SYSTEM																
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cranium, Fracture																**1**

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DAY ON TEST	0739	0668	0740	0489	0739	0707	0492	0636	0737	0739	0550	0738	0740	0738	0629	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
0.0W/kg(GSM)chr ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
Mandible, Fracture																**1**
Maxilla, Fracture																**1**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration					1											**3 1.0**
NERVOUS SYSTEM																
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Compression			1			2		2						2	2	**26 1.8**
Congestion																**1 1.0**
Edema																**2 1.5**
Meninges, Hyperplasia																**1 2.0**
Meninges, Hyperplasia, Granular Cell																**1 3.0**
Pineal Gland, Mineral																**1 1.0**
Pineal Gland, Vacuolation, Cytoplasmic																**1 1.0**
Nerve Trigeminal	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**84**
Degeneration	2	3	1			2			3	1	2	1	2	3	2	**64 2.0**
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2	1	1	1	3	2	1	1	2	2	1	1	2	1	1	**80 1.5**
Infiltration Cellular, Mixed Cell																**1 1.0**
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	1	1	1		2	2	1	1	2	1	1	1	1	1	1	**77 1.5**
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	1									1			1	1		**24 1.1**

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DAY ON TEST	0739	0668	0740	0489	0739	0707	0492	0636	0737	0739	0550	0738	0740	0738	0629	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration		1			1											**10 1.1**
Nerve, Degeneration	3	3	1		3	1	1	1	4	3	2	2	2	2	1	**74 2.1**
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2	1	1		2	1		1	1	2		1	2	2	1	**59 1.7**
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**81**
Degeneration	1	1						1	1							**33 1.1**
RESPIRATORY SYSTEM																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion													1		2	**3 2.0**
Hemorrhage										1						**1 1.0**
Inflammation, Suppurative																**2 1.0**
Inflammation, Granulomatous																**1 1.0**
Inflammation, Chronic Active	1					1										**6 1.0**
Alveolus, Infiltration Cellular, Histiocyte	1		1	1	3	1		1	3			1	1		1	**71 1.6**
Artery, Inflammation, Chronic Active																**1 2.0**
Epithelium Alveolus, Hyperplasia										1						**2 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Inflammation, Suppurative																**1 1.0**
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	3	3	1	2	3	2	2	2	3	3	2	3	3	2	**89 2.6**
Olfactory Epithelium, Metaplasia, Respiratory														1		**1 1.0**
Respiratory Epithelium, Accumulation, Hyaline Droplet													1		1	**12 1.1**

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DAY ON TEST	07 39	06 68	07 40	04 89	07 39	07 07	04 92	06 36	07 37	07 39	05 50	07 38	07 40	07 38	06 29	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00 694	00 695	00 696	00 697	00 698	00 699	00 701	00 703	00 704	00 705	00 706	00 707	00 708	00 709	00 710	*** TOTALS**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**89**
Inflammation, Chronic Active																**1 1.0**
Glands, Cyst																**1**
SPECIAL SENSES SYSTEM																
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**88**
Cornea, Inflammation, Acute																**1 1.0**
Cornea, Epithelium, Hyperplasia																**1 1.0**
Lens, Cataract																**1 2.0**
Retina, Atrophy	1									1			1	1		**18 1.0**
Retina, Dysplasia																**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy												1	1			**13 1.0**
Infiltration Cellular, Lymphocyte																**2 1.0**
Inflammation, Granulomatous													1			**7 1.0**
Inflammation, Chronic	1															**7 1.3**
Inflammation, Chronic Active																**1 1.0**
URINARY SYSTEM																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Inflammation, Acute																**1 1.0**
Nephropathy, Chronic Progressive	1		2	1	1	1		1	2	2	1	1	1	1	1	**74 1.2**
Artery, Inflammation, Chronic Active																**1 2.0**
Pelvis, Dilation		2														**3 2.3**
Renal Tubule, Cyst					X											**3**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**

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DAY ON TEST	0739	0668	0740	0489	0739	0707	0492	0636	0737	0739	0550	0738	0740	0738	0629	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
0.0W/kg(GSM)chr																
ANIMAL ID	00694	00695	00696	00697	00698	00699	00701	00703	00704	00705	00706	00707	00708	00709	00710	*** TOTALS**
Dilation																**1 2.0**
Inflammation, Acute		4														**3 2.3**
Necrosis		3														**1 3.0**
Urothelium, Hyperplasia																**1 2.0**

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DAY ON TEST	0545	0741	0744	0737	0738	0740	0739	0744	0740	0739	0682	0738	0744	0741	0745	0740	0744	0718	0464	0744	0602	0745	0740	0626	0739	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	A	+	
Serosa, Inflammation, Acute																										
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	
Hyperplasia, Lymphocyte																3										
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ulcer																					4					
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	A	+	+	A	+	
Serosa, Inflammation, Acute																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis								2																		
Basophilic Focus			X								X					X	X			X					
Clear Cell Focus																										
Congestion																										
Eosinophilic Focus	X		X	X		X	X		X		X			X		X			X				X		X	
Extramedullary Hematopoiesis		1									1	1		1					1							
Fibrosis																										
Infiltration Cellular, Mixed Cell																			1							
Infiltration Cellular, Mononuclear Cell																							1			

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DAY ON TEST	0545	0741	0744	0737	0738	0740	0739	0744	0740	0739	0682	0738	0744	0741	0745	0740	0744	0718	0464	0744	0602	0745	0740	0626	0739	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
Inflammation, Acute																										
Inflammation, Chronic																										
Mixed Cell Focus	X				X	X										X									X	
Pigment																										
Bile Duct, Cyst								X													X					
Bile Duct, Hyperplasia																							2			
Centrilobular, Hepatocyte, Necrosis														2							2					
Centrilobular, Hepatocyte, Vacuolation, Cytoplasmic																					3					
Hepatocyte, Hypertrophy																										
Hepatocyte, Necrosis																										
Hepatocyte, Vacuolation, Cytoplasmic																										
Serosa, Inflammation, Suppurative																										
Sinusoid, Dilation														1												
Mesentery																								+		
Necrosis																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																										
Acinus, Atrophy					1																					
Acinus, Hyperplasia		1												1												
Artery, Inflammation, Chronic Active																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parotid Gland, Atrophy																					2			3		
Submandibular Gland, Atrophy																					2					
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										

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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 1.5W/kg(GSM)chr / ANIMAL ID	0545 0816	0741 0817	0744 0818	0737 0819	0738 0820	0740 0821	0739 0822	0744 0823	0740 0824	0739 0825	0682 0826	0738 0827	0744 0828	0741 0829	0745 0830	0740 0831	0744 0832	0718 0833	0464 0836	0744 0837	0602 0838	0745 0839	0740 0840	0626 0841	0739 0842	females (cont...)
Inflammation, Acute																										
Inflammation, Chronic Active																	1									
Ulcer																					4					
Epithelium, Hyperplasia																	1							4		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																					4					
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral																								1		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy				1			1						1	1	1			2						1		
Atrium, Myocardium, Hypertrophy																										
Myocardium, Hypertrophy																										
Myocardium, Mineral																								1		
Vein, Mineral																								2		
Ventricle Right, Cardiomyopathy														2												
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule			X												X											
Angiectasis																										
Atrophy																							3			
Degeneration, Cystic			1		1		1		1						1		1							1		
Extramedullary Hematopoiesis																										
Hemorrhage																										

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	054	074	074	073	073	074	073	074	074	073	068	073	074	074	074	074	074	074	071	046	074	060	074	074	062	073
HARLAN SPRAGUE DAWLEY RATS FEMALE	5	1	4	7	8	0	9	4	0	9	2	8	4	1	5	0	4	0	8	4	4	2	5	0	6	9
1.5W/kg(GSM)chr ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
Hyperplasia	1							2				1	1	1	2		1									
Hypertrophy		3	1	2	1	2	2	1	1	2		1	1	1	3		2		4		3	2		2	2	
Necrosis											2															
Thrombus													1													
Vacuolation, Cytoplasmic										1			1		2		1								2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia								1	1																	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia															2										4	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	
Cyst																										
Fibrosis												1			2											
Hyperplasia																										
Hypertrophy																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Atrophy																							3			
Pars Distalis, Cyst																										
Pars Distalis, Hyperplasia			2				2	3		1	3		2			1	2				1		2	3	2	
Pars Intermedia, Cyst								X																		
Pars Nervosa, Cyst																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia		2	3	2	1		4		1	2			2	1	1	1			1						1	
Follicle, Cyst						X																				

GENERAL BODY SYSTEM

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DAY ON TEST	054	074	074	073	073	074	073	074	074	073	068	073	074	074	074	074	074	071	046	074	060	074	074	062	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	5	1	4	7	8	0	9	4	0	9	2	8	4	1	5	0	4	8	4	4	2	5	0	6	9	
1.5W/kg(GSM)chr ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
Tissue NOS			+																							
Abdominal, Necrosis																										
Fat, Necrosis			3																							
GENITAL SYSTEM																										
Clitoral Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal																										
Inflammation, Suppurative						1																				
Inflammation, Granulomatous																										
Inflammation, Chronic Active		1							2	1		1		1						1		1	1			
Metaplasia, Squamous																										
Duct, Dilation		3	4			3	4	4		2	3		3	2	3	4	2	3	3	3	2	2	1			
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	4	4	3			4	4	4		2	4			3	3	4	3	3	4	3	4	4	3	4	
Cyst									X		X	X		X		X			X			X			X	
Fibrosis																										
Inflammation, Suppurative						3																				
Bursa, Dilation						2	2						4													
Interstitial Cell, Hyperplasia																		2								
Rete Ovarii, Hyperplasia			2			3	2	2	1	1				3	2											
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Cyst																										
Dilation									4															4		
Fibrosis																										
Hemorrhage																										
Hyperplasia, Stromal							2																			

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 1.5W/kg(GSM)chr / ANIMAL ID	0545 0816	0741 0817	0744 0818	0737 0819	0738 0820	0740 0821	0739 0822	0744 0823	0740 0824	0739 0825	0682 0826	0738 0827	0744 0828	0741 0829	0745 0830	0740 0831	0744 0832	0718 0833	0464 0836	0744 0837	0602 0838	0745 0839	0740 0840	0626 0841	0739 0842	females (cont...)
Inflammation, Suppurative		1				4			4											2						
Inflammation, Chronic Active																										
Pigment																										
Thrombus																										
Endometrium, Hyperplasia, Cystic	1		1	1			3	1			1	1			1	1				3						
Epithelium, Metaplasia, Squamous		4	4	4		4	4					2				1		1	2		2	1			4	
Serosa, Inflammation, Suppurative																										
Vein, Thrombus																										
Vagina		+																							+	
Exudate																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity		4	1			4	1	2	4	1	4	3		4		1	4		4	1	4		1	4	1	
Lymph Node						+															+			+		
Iliac, Erythrophagocytosis																										
Iliac, Proliferation, Plasma Cell																										
Iliac, Lymphatic Sinus, Ectasia																										
Inguinal, Hyperplasia, Lymphocyte																										
Inguinal, Infiltration Cellular, Plasma Cell						1																				
Lumbar, Erythrophagocytosis																					2					
Lumbar, Hyperplasia, Lymphocyte																										
Lumbar, Inflammation, Chronic Active																										
Lumbar, Proliferation, Plasma Cell																										
Lumbar, Lymphatic Sinus, Ectasia																										
Lymphatic Sinus, Renal, Ectasia																										
Mediastinal, Erythrophagocytosis																										

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DAY ON TEST	0545	0741	0744	0737	0738	0740	0739	0744	0740	0739	0682	0738	0744	0741	0745	0740	0744	0718	0464	0744	0602	0745	0740	0626	0739	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
Pancreatic, Erythrophagocytosis																										
Renal, Erythrophagocytosis																										
Renal, Inflammation, Chronic Active																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis																										
Hyperplasia, Lymphocyte			2		2		1		1	1	3		1		2	1		2				1	1		1	
Infiltration Cellular, Histiocyte																										
Proliferation, Plasma Cell	1		1	1	2		1	1	1	1	2	1	1	1	2			2	2		2	1	1		1	
Lymphatic Sinus, Ectasia									1																	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Erythrophagocytosis													1													
Hemorrhage																										
Hyperplasia, Lymphocyte								1																		
Infiltration Cellular, Histiocyte									2																	
Proliferation, Plasma Cell																										
Lymphatic Sinus, Ectasia													1													
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Extramedullary Hematopoiesis	3	3	2	2	2	2	2	2	3	3	4	3	2	4	2	2	4		4	2	4	2			2	
Pigment			3	1	1	1	3			2			2		3			3		2		3	3	2	2	
Red Pulp, Atrophy																										
Red Pulp, Hyperplasia																										
White Pulp, Atrophy																		2						2		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	3	3	1	3		2	2	1	1	3	2	2	2	1	2	2		1		4			4	1	

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DAY ON TEST	0545	0741	0744	0737	0738	0740	0739	0744	0740	0739	0682	0738	0744	0741	0745	0740	0744	0718	0464	0744	0602	0745	0740	0626	0739	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
Cyst		X	X			X	X	X	X			X					X					X			X	
Ectopic Parathyroid Gland																										
Ectopic Thyroid																										
Hemorrhage																		2								
Hyperplasia, Epithelial		1	1					1	1																1	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele		X	X				X												X							
Hyperplasia				2	2	4	1		1	2			4	3										1	3	
Duct, Dilation	1	2	1	1	1	1	3	1	1			2			1		1	1	1		2	1		1	2	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																					X					
Inflammation, Acute																										
Dermis, Fibrosis																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Fibrous Osteodystrophy																								1		
Increased Bone																						1				
Vertebra, Increased Bone																										
Vertebra, Inflammation, Chronic Active																										
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration																								1		

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression									1																	
Congestion																										
Hemorrhage																										
Pigment																										
Cerebellum, Hemorrhage																										
Hypothalamus, Cyst									X																	
Pineal Gland, Mineral																										
Pineal Gland, Vacuolation, Cytoplasmic																										
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1	1	1	3	3	2		2	2	1	3	2	2	3	2	3	2		3		1		2	2	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1	1	1	2	2	1	1	2	2	2	1	1	2	2	2	2	1		1	1	1	2	1	2	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2	1	2	1	1	1	1	1	2	2	1	2	2	2	2	2	1		1	1	1	2	1	2	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1		1		1		1			1						1						1			
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst												X														
Degeneration	1										1												1			
Nerve, Degeneration		3	3	2	2	3	3	3	3		2	1	2	1	2	3	2	3	1	1		1	2	2	2	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	054	074	074	073	073	074	073	074	074	073	068	073	074	074	074	074	074	074	071	046	074	060	074	074	062	073
HARLAN SPRAGUE DAWLEY RATS FEMALE	5	1	4	7	8	0	9	4	0	9	2	8	4	1	5	0	4	4	8	4	4	2	5	0	6	9
1.5W/kg(GSM)chr ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
Degeneration	1	1	1	2	2	2	1	2	1	1	1	1	2	1	2	2	1	1		1		2	1	1	1	
Trigeminal Ganglion	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	I	+	+	
Degeneration	1				1	1	1	1	1			1			1					1		1			1	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion							1																			
Foreign Body																	X									
Hemorrhage													2													
Inflammation, Suppurative																										
Inflammation, Granulomatous																	1									
Inflammation, Chronic Active																									1	
Alveolus, Infiltration Cellular, Histiocyte			1	3	2	1	2	2	1	2	3	1	1	1	1	1	1	2	2	1	2		1	3	3	
Epithelium Alveolus, Hyperplasia				2																						
Interstitium, Fibrosis																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Nasopharyngeal Duct, Inflammation, Chronic Active																										
Nerve, Olfactory Epithelium, Degeneration																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	2	3	2	2	2	2	2	3	2	3	4	3	3	3	3	3	3	3	1	3	3	2	3	3	
Olfactory Epithelium, Atrophy																										
Olfactory Epithelium, Degeneration																							1			
Respiratory Epithelium, Accumulation, Hyaline Droplet								1						1									1	1		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0545	0741	0744	0737	0738	0740	0739	0744	0740	0739	0682	0738	0744	0741	0745	0740	0744	0718	0464	0744	0602	0745	0740	0626	0739	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
Epithelium, Hyperplasia																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	
Retina, Atrophy					1		1		1			1			1					1						
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy										1		1											1			
Inflammation, Granulomatous								1	1	1		1														
Inflammation, Acute																										
Inflammation, Chronic						1																				
Inflammation, Chronic Active																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Tissue																										
Infarct																										
Inflammation, Chronic Active																										
Necrosis																										
Nephropathy, Chronic Progressive	1	1			1		1	1	1		1		1		2	1		1	1			1	1		2	
Pelvis, Dilation																								4		
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Cyst																										
Renal Tubule, Hyperplasia, Atypical																										
Renal Tubule, Hypertrophy								1																		
Renal Tubule, Necrosis																					2					
Renal Tubule, Pigment																										

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DAY ON TEST	0545	0741	0744	0737	0738	0740	0739	0744	0740	0739	0682	0738	0744	0741	0745	0740	0744	0718	0464	0744	0602	0745	0740	0626	0739	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00816	00817	00818	00819	00820	00821	00822	00823	00824	00825	00826	00827	00828	00829	00830	00831	00832	00833	00836	00837	00838	00839	00840	00841	00842	**females (cont...)**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	
Edema																										
Hemorrhage																										
Urothelium, Hyperplasia																										

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DAY ON TEST	071	062	074	069	065	069	073	049	073	073	074	073	073	073	074	073	074	074	074	057	074	071	073	073	033	073
HARLAN SPRAGUE DAWLEY RATS FEMALE	6	2	0	0	7	9	9	3	8	2	4	8	7	8	0	7	5	1	6	1	3	7	1	2	8
1.5W/kg(GSM)chr ANIMAL ID	00843	00844	00845	00846	00847	00848	00851	00852	00853	00854	00856	00857	00858	00859	00860	00861	00862	00863	00864	00865	00866	00868	00869	00870	00871	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Serosa, Inflammation, Acute	2																									
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphocyte																										
Intestine Small, Duodenum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Ulcer																										
Intestine Small, Ileum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Serosa, Inflammation, Acute	1																									
Intestine Small, Jejunum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																2										
Basophilic Focus							X		X																	
Clear Cell Focus																										
Congestion																										
Eosinophilic Focus												X			X	X				X					
Extramedullary Hematopoiesis		1				1																		1	1	
Fibrosis																										
Infiltration Cellular, Mixed Cell									1	1																
Infiltration Cellular, Mononuclear Cell																										

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DAY ON TEST	0716	0622	0740	0690	0657	0699	0739	0493	0738	0732	0744	0738	0737	0738	0740	0737	0745	0741	0576	0741	0713	0737	0731	0332	0738	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00843	00844	00845	00846	00847	00848	00851	00852	00853	00854	00856	00857	00858	00859	00860	00861	00862	00863	00864	00865	00866	00868	00869	00870	00871	**females (cont...)**
Inflammation, Acute																										
Inflammation, Chronic																										
Mixed Cell Focus								X	X				X					X							X	
Pigment																										
Bile Duct, Cyst											X															
Bile Duct, Hyperplasia												1										1				
Centrilobular, Hepatocyte, Necrosis																										
Centrilobular, Hepatocyte, Vacuolation, Cytoplasmic																										
Hepatocyte, Hypertrophy																										
Hepatocyte, Necrosis																										
Hepatocyte, Vacuolation, Cytoplasmic																										
Serosa, Inflammation, Suppurative	2																									
Sinusoid, Dilation																										
Mesentery					+								+													
Necrosis													2													
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																										
Acinus, Atrophy								1				3														
Acinus, Hyperplasia																										
Artery, Inflammation, Chronic Active										3																
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Parotid Gland, Atrophy										3		3									3					
Submandibular Gland, Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 1.5W/kg(GSM)chr / ANIMAL ID	0716 00843	0622 00844	0740 00845	0690 00846	0657 00847	0699 00848	0739 00851	0493 00852	0738 00853	0732 00854	0744 00856	0738 00857	0737 00858	0738 00859	0740 00860	0737 00861	0745 00862	0741 00863	0576 00864	0741 00865	0713 00866	0737 00868	0731 00869	0332 00870	0738 00871	females (cont...)
Inflammation, Acute																									
Inflammation, Chronic Active		1																							
Ulcer					1														3		1				
Epithelium, Hyperplasia	1	2		3	4																2		1		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Erosion																									
CARDIOVASCULAR SYSTEM																									
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineral																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1						1						2	1	1					1			2	1	
Atrium, Myocardium, Hypertrophy															1										
Myocardium, Hypertrophy												3													
Myocardium, Mineral																									
Vein, Mineral																									
Ventricle Right, Cardiomyopathy												1		1	1										
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule											X	X		X											
Angiectasis													1												
Atrophy																									
Degeneration, Cystic	4										2			3	1		1	1	3			2			
Extramedullary Hematopoiesis																									
Hemorrhage																						3			

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
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Hyperplasia			3			3							3	3		2				2			1	1		
Hypertrophy	3	2							1	3	3		1	3	3	1	2	1		1	2	1			1	
Necrosis																										
Thrombus													1													
Vacuolation, Cytoplasmic		2			1						2				1						2	1				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			1	1							1	1		2	1			1							1	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Hyperplasia					1				1							2	1									
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Cyst																										
Fibrosis																										
Hyperplasia																										
Hypertrophy																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Atrophy																										
Pars Distalis, Cyst																										
Pars Distalis, Hyperplasia														4			1								4	
Pars Intermedia, Cyst																										
Pars Nervosa, Cyst																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia			2		1							1	1		2	3	2	1	1	3	1	1			2	
Follicle, Cyst																										

GENERAL BODY SYSTEM

DAY ON TEST	0716	0622	0740	0690	0657	0699	0739	0493	0738	0732	0744	0738	0737	0738	0740	0737	0745	0741	0576	0741	0713	0737	0731	0332	0738	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
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Tissue NOS	+							+								+										
Abdominal, Necrosis								2																		
Fat, Necrosis	3															3										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	
Hyperplasia, Focal							3																			
Inflammation, Suppurative																										
Inflammation, Granulomatous							4																			
Inflammation, Chronic Active												1			1			1				4				
Metaplasia, Squamous																										
Duct, Dilation			4		3				4		3	2			2	4							3			
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	4	3	4		3			3		3	4	4	4	4		4				4			2			
Cyst					X				X		X	X					X					X			X	
Fibrosis					3																					
Inflammation, Suppurative																										
Bursa, Dilation									2																	
Interstitial Cell, Hyperplasia																										
Rete Ovarii, Hyperplasia	1	1			1				1				2		4									1		
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Cyst																										
Dilation																										
Fibrosis																										
Hemorrhage																										
Hyperplasia, Stromal						2						4														

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
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Inflammation, Suppurative			1									2					2									
Inflammation, Chronic Active																										
Pigment																										
Thrombus																										
Endometrium, Hyperplasia, Cystic													1	1		4				2						
Epithelium, Metaplasia, Squamous		4	4					3					1										3			
Serosa, Inflammation, Suppurative	4																									
Vein, Thrombus																										
Vagina																										
Exudate																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	3	4	1	4	4	3		2	2	3	4	4	1		4	1					3			2	4	
Lymph Node	+						+			+	+	+			+				+						+	
Iliac, Erythrophagocytosis																										
Iliac, Proliferation, Plasma Cell											1															
Iliac, Lymphatic Sinus, Ectasia																										
Inguinal, Hyperplasia, Lymphocyte							2																			
Inguinal, Infiltration Cellular, Plasma Cell																										
Lumbar, Erythrophagocytosis																										
Lumbar, Hyperplasia, Lymphocyte	1																								1	
Lumbar, Inflammation, Chronic Active																										
Lumbar, Proliferation, Plasma Cell	3																								2	
Lumbar, Lymphatic Sinus, Ectasia																										
Lymphatic Sinus, Renal, Ectasia																										
Mediastinal, Erythrophagocytosis												3			1											

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 1.5W/kg(GSM)chr / ANIMAL ID	0716 0084 43	0622 0084 44	0740 0084 45	0690 0084 46	0657 0084 47	0699 0084 48	0739 0084 51	0493 0084 52	0738 0084 53	0732 0084 54	0744 0084 56	0738 0084 57	0737 0084 58	0738 0084 59	0740 0086 00	0737 0086 01	0745 0086 02	0741 0086 63	0576 0086 64	0741 0086 65	0713 0086 66	0737 0086 68	0731 0086 69	0332 0087 00	0738 0087 71	females (cont...)
Pancreatic, Erythrophagocytosis												3														
Renal, Erythrophagocytosis										2		2														
Renal, Inflammation, Chronic Active																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Erythrophagocytosis												2														
Hyperplasia, Lymphocyte		2	1				1		1		1		2	1		1		2		1						
Infiltration Cellular, Histiocyte																		1								
Proliferation, Plasma Cell	1	3	1			2	1		2		1	2	2	1						1	1	1			3	
Lymphatic Sinus, Ectasia																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy												2														
Erythrophagocytosis																										
Hemorrhage																										
Hyperplasia, Lymphocyte																										
Infiltration Cellular, Histiocyte	1																									
Proliferation, Plasma Cell																										
Lymphatic Sinus, Ectasia																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion											3	2														
Extramedullary Hematopoiesis	3	4	2	3	2	2	2		2				2	2	4	2	2	2		2		1		2	3	
Pigment			3				3		1	2			2	1		3	2	3					3			
Red Pulp, Atrophy										2													2			
Red Pulp, Hyperplasia											3	2														
White Pulp, Atrophy				2																			2			
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	4	1	1	3	3	2	3		1	3	1	4	1	1	3	1	3			1			1		1	

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
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Cyst									X		X	X	X		X					X		X				
Ectopic Parathyroid Gland																										
Ectopic Thyroid				X																						
Hemorrhage																										
Hyperplasia, Epithelial			2								2	3	1	1		1				1					3	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	
Galactocele					X						X					X				X	X					
Hyperplasia			1	3			3		2						4		3	4			3			2	1	
Duct, Dilation		1	1		2					1	2	1	1	1		2					2					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																										
Inflammation, Acute																										
Dermis, Fibrosis												1														
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Fibrous Osteodystrophy																										
Increased Bone																										
Vertebra, Increased Bone																										
Vertebra, Inflammation, Chronic Active																										
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration												1								1	2					

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NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression			2							2	1					2		1								
Congestion																										
Hemorrhage										1																
Pigment										1																
Cerebellum, Hemorrhage																			1							
Hypothalamus, Cyst																										
Pineal Gland, Mineral																										
Pineal Gland, Vacuolation, Cytoplasmic																										
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	
Degeneration	2	2	1	2	2	2	2		1	2	3	3	2	2	3	3	2	2		2	3		2		2	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	1	2	2	1	2	3		1	1	2	1	2	1	2	1	2	2	1	1	2	1	2		2	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	1	2	2	1	2	1	1	1	1	1	1	2	1	1		2	1	2	1	1	1	1		2	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration						1			1		1			1	1						1		1		1	
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Degeneration										1																
Nerve, Degeneration	1	1	2	2	3	3	1		2	1	3	1	2	2	2	2	2	2	2	1	3	1	3		3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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Degeneration						1	2		2		2	2	2	2	2	1	1			1		2	1			
Trigeminal Ganglion	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	I	+	+	I	M	I	+	
Degeneration						1					1					1	1			1	1					
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																							2			
Foreign Body																										
Hemorrhage																										
Inflammation, Suppurative																										
Inflammation, Granulomatous																										
Inflammation, Chronic Active			1			1																			1	
Alveolus, Infiltration Cellular, Histiocyte	2	2	1		3	1	1	2	1	2	1	4	1	1	1	3	2	1	2	2	2		2		2	
Epithelium Alveolus, Hyperplasia																										
Interstitium, Fibrosis												2														
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Nasopharyngeal Duct, Inflammation, Chronic Active																										
Nerve, Olfactory Epithelium, Degeneration																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	3	3		3	3	1	3	3	3	2	1	3	3	3	3	3	3	3	3	1	4	3	2	3	
Olfactory Epithelium, Atrophy									1																	
Olfactory Epithelium, Degeneration																										
Respiratory Epithelium, Accumulation, Hyaline Droplet					1											1							1			
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0716	0622	0740	0690	0657	0699	0739	0493	0738	0732	0744	0738	0737	0738	0740	0737	0745	0741	0576	0741	0713	0737	0731	0332	0738	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00843	00844	00845	00846	00847	00848	00851	00852	00853	00854	00856	00857	00858	00859	00860	00861	00862	00863	00864	00865	00866	00868	00869	00870	00871	**females (cont...)**
Epithelium, Hyperplasia																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Retina, Atrophy														1												
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy			1	1								1										2				
Inflammation, Granulomatous																						1	1			
Inflammation, Acute																										
Inflammation, Chronic			1						1																	
Inflammation, Chronic Active																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Tissue																										
Infarct																										
Inflammation, Chronic Active																										
Necrosis																										
Nephropathy, Chronic Progressive	2		1				1		1		2	2	1	1	1	1	1	1	1	1	2	1	1		1	
Pelvis, Dilation					3																					
Renal Tubule, Accumulation, Hyaline Droplet				4																						
Renal Tubule, Cyst												X			X											
Renal Tubule, Hyperplasia, Atypical											3															
Renal Tubule, Hypertrophy																										
Renal Tubule, Necrosis																										
Renal Tubule, Pigment																										

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DAY ON TEST	0716	0622	0740	0690	0657	0699	0739	0493	0738	0732	0744	0738	0737	0738	0740	0737	0745	0741	0576	0741	0713	0737	0731	0332	0738	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00843	00844	00845	00846	00847	00848	00851	00852	00853	00854	00856	00857	00858	00859	00860	00861	00862	00863	00864	00865	00866	00868	00869	00870	00871	**females (cont...)**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Edema																										
Hemorrhage																										
Urothelium, Hyperplasia																										

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DAY ON TEST	073	012	073	074	073	073	069	069	074	046	073	073	071	065	074	074	074	074	054	074	048	073	059	069	049	
HARLAN SPRAGUE DAWLEY RATS FEMALE	8	3	9	1	8	9	9	6	4	4	8	9	1	0	5	4	4	1	5	1	0	7	7	9	3	
1.5W/kg(GSM)chr ANIMAL ID	00872	00873	00874	00875	00876	00878	00879	00880	00881	00884	00885	00887	00888	00889	00890	00891	00892	00893	00894	00896	00897	00899	00900	00901	00902	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	
Serosa, Inflammation, Acute																										
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphocyte																										
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Ulcer																										
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Serosa, Inflammation, Acute																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																	1									
Basophilic Focus			X	X	X							X			X					X					
Clear Cell Focus			X						X																	
Congestion																										
Eosinophilic Focus	X									X	X	X					X			X	X	X				
Extramedullary Hematopoiesis				2			1	1		1			1	1						1				1		
Fibrosis				2																						
Infiltration Cellular, Mixed Cell		1																								
Infiltration Cellular, Mononuclear Cell																										

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HARLAN SPRAGUE DAWLEY RATS FEMALE
1.5W/kg(GSM)chr

DAY ON TEST	07 38	01 23	07 39	07 41	07 38	07 39	06 99	06 96	07 44	04 64	07 38	07 39	07 11	06 50	07 45	07 44	07 44	07 41	05 45	07 41	04 80	07 37	05 97	06 99	04 93	
ANIMAL ID	00 872	00 873	00 874	00 875	00 876	00 878	00 879	00 880	00 881	00 884	00 885	00 887	00 888	00 889	00 890	00 891	00 892	00 893	00 894	00 896	00 897	00 899	00 900	00 901	00 902	**females (cont...)**
Inflammation, Acute																										
Inflammation, Chronic				2																						
Mixed Cell Focus	X		X			X			X	X		X												X		
Pigment																										
Bile Duct, Cyst					X							X														
Bile Duct, Hyperplasia																					1					
Centrilobular, Hepatocyte, Necrosis								1																		
Centrilobular, Hepatocyte, Vacuolation, Cytoplasmic																										
Hepatocyte, Hypertrophy								3																2		
Hepatocyte, Necrosis																							3			
Hepatocyte, Vacuolation, Cytoplasmic																										
Serosa, Inflammation, Suppurative																										
Sinusoid, Dilation																										
Mesentery							+																			
Necrosis							2																			
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																										
Acinus, Atrophy													2													
Acinus, Hyperplasia																										
Artery, Inflammation, Chronic Active																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parotid Gland, Atrophy				2						1													2	2		
Submandibular Gland, Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema				2										1												

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HARLAN SPRAGUE DAWLEY RATS FEMALE 1.5W/kg(GSM)chr	DAY ON TEST	0738	0123	0739	0741	0738	0739	0699	0696	0744	0464	0738	0739	0711	0650	0745	0744	0744	0741	0545	0741	0480	0737	0597	0699	0493	
	ANIMAL ID	00872	00873	00874	00875	00876	00878	00879	00880	00881	00884	00885	00887	00888	00889	00890	00891	00892	00893	00894	00896	00897	00899	00900	00901	00902	**females (cont...)**
Inflammation, Acute					3																						
Inflammation, Chronic Active														3											2		
Ulcer														3	2										2		
Epithelium, Hyperplasia									3					4	1										3		
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																											
CARDIOVASCULAR SYSTEM																											
Aorta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineral																											
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy					1	1	1								1							1	1	2			
Atrium, Myocardium, Hypertrophy																											
Myocardium, Hypertrophy																											
Myocardium, Mineral																											
Vein, Mineral																											
Ventricle Right, Cardiomyopathy					1				1																		
ENDOCRINE SYSTEM																											
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule										X			X														
Angiectasis																											
Atrophy																											
Degeneration, Cystic						2				1		1		1		1		1						3			
Extramedullary Hematopoiesis																									1		
Hemorrhage																											

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DAY ON TEST	0738	0123	0739	0741	0738	0739	0699	0696	0744	0464	0738	0739	0711	0650	0745	0744	0744	0741	0545	0741	0480	0737	0597	0699	0493	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00872	00873	00874	00875	00876	00878	00879	00880	00881	00884	00885	00887	00888	00889	00890	00891	00892	00893	00894	00896	00897	00899	00900	00901	00902	**females (cont...)**
Hyperplasia							1				1	1							1	2		1	2			
Hypertrophy	1		1	1	3	1			3		2	1			1		2								2	
Necrosis																							2			
Thrombus											1															
Vacuolation, Cytoplasmic	1		1		2				1								1	1								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			2		2	1					1	1		1	1									1	1	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	M	+	+	
Cyst																										
Fibrosis																								1		
Hyperplasia								3																		
Hypertrophy																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Atrophy																										
Pars Distalis, Cyst								X										X								
Pars Distalis, Hyperplasia			1	2		2								1	1							3			1	
Pars Intermedia, Cyst						X																				
Pars Nervosa, Cyst																			X							
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
C-cell, Hyperplasia	1		4		2		2	2			1		1	1	1	1		1		1		2		1	1	
Follicle, Cyst																										

GENERAL BODY SYSTEM

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 1.5W/kg(GSM)chr / ANIMAL ID	0738 00872	0123 00873	0739 00874	0741 00875	0738 00876	0739 00878	0699 00879	0696 00880	0744 00881	0464 00884	0738 00885	0739 00887	0711 00888	0650 00889	0745 00890	0744 00891	0744 00892	0741 00893	0545 00894	0741 00896	0480 00897	0737 00899	0597 00900	0699 00901	0493 00902	females (cont...)
Tissue NOS	+											+	+				+								
Abdominal, Necrosis																									
Fat, Necrosis	3											1					2								
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Focal																2									
Inflammation, Suppurative																									
Inflammation, Granulomatous																									
Inflammation, Chronic Active	2				2	1				1			2								1	2			
Metaplasia, Squamous																2									
Duct, Dilation	2				3				3	3		4	4	2		2	1				4	3			
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	4		4	4	4			4		3	4	4	4			4	4	4	3	3		4	2	3	3
Cyst				X							X			X	X			X							X
Fibrosis																									
Inflammation, Suppurative																									
Bursa, Dilation																									
Interstitial Cell, Hyperplasia																									
Rete Ovarii, Hyperplasia						1	1	1				1								1					
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									2
Cyst																		X				X		X	
Dilation																							4	4	4
Fibrosis																								3	
Hemorrhage																	2						4		
Hyperplasia, Stromal																									

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00872	00873	00874	00875	00876	00878	00879	00880	00881	00884	00885	00887	00888	00889	00890	00891	00892	00893	00894	00896	00897	00899	00900	00901	00902	**females (cont...)**
Inflammation, Suppurative																							3	4		
Inflammation, Chronic Active	3																								2	
Pigment																									2	
Thrombus								3																		
Endometrium, Hyperplasia, Cystic	1		1	2	2		1				1	2				3			2	2		1				
Epithelium, Metaplasia, Squamous	1		1	1	1					4	1	1							1	1		1		4	4	
Serosa, Inflammation, Suppurative																										
Vein, Thrombus				1																						
Vagina																										
Exudate																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity		2		4		1	4	4		4			4	4	3	1	3		4	4			4	4	4	
Lymph Node																	+							+		
Iliac, Erythrophagocytosis																	1									
Iliac, Proliferation, Plasma Cell																										
Iliac, Lymphatic Sinus, Ectasia																	1									
Inguinal, Hyperplasia, Lymphocyte																										
Inguinal, Infiltration Cellular, Plasma Cell																										
Lumbar, Erythrophagocytosis																										
Lumbar, Hyperplasia, Lymphocyte																										
Lumbar, Inflammation, Chronic Active																								2		
Lumbar, Proliferation, Plasma Cell																										
Lumbar, Lymphatic Sinus, Ectasia																								1		
Lymphatic Sinus, Renal, Ectasia																								2		
Mediastinal, Erythrophagocytosis																										

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HARLAN SPRAGUE DAWLEY RATS FEMALE
1.5W/kg(GSM)chr

DAY ON TEST	07 38	01 23	07 39	07 41	07 38	07 39	06 99	06 96	07 44	04 64	07 38	07 39	07 11	06 50	07 45	07 44	07 44	07 41	05 45	07 41	04 80	07 37	05 97	06 99	04 93
ANIMAL ID	00 87 2	00 87 3	00 87 4	00 87 5	00 87 6	00 87 8	00 87 9	00 88 0	00 88 1	00 88 4	00 88 5	00 88 7	00 88 8	00 88 9	00 89 0	00 89 1	00 89 2	00 89 3	00 89 4	00 89 6	00 89 7	00 89 9	00 90 0	00 90 1	00 90 2	**females (cont...)**
Pancreatic, Erythrophagocytosis																										
Renal, Erythrophagocytosis																										
Renal, Inflammation, Chronic Active																								4		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis																										
Hyperplasia, Lymphocyte						1	2			1	1	1			2		1	1	1	1		1				
Infiltration Cellular, Histiocyte																										
Proliferation, Plasma Cell			1		1		2	2	1	2	1	1		3	2		1	1	1	1		2			2	
Lymphatic Sinus, Ectasia															3							1				
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Erythrophagocytosis																										
Hemorrhage																										
Hyperplasia, Lymphocyte																										
Infiltration Cellular, Histiocyte																										
Proliferation, Plasma Cell																			1							
Lymphatic Sinus, Ectasia																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Extramedullary Hematopoiesis	2	1	2	4	2	2	4	4	1	3	2	1	3	4	2	2	2	2	1	3		2	4	4	2	
Pigment	3		2		3	1			1		3					2		1				1				
Red Pulp, Atrophy																					1					
Red Pulp, Hyperplasia																										
White Pulp, Atrophy																										
Thymus	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy			2	3	2	2			4	1	1	1	2	4	2	2	1	1	2	2	2	2	4	3	2	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 1.5W/kg(GSM)chr / ANIMAL ID	0738 00872	0123 00873	0739 00874	0741 00875	0738 00876	0739 00878	0699 00879	0696 00880	0744 00881	0464 00884	0738 00885	0739 00887	0711 00888	0650 00889	0745 00890	0744 00891	0744 00892	0741 00893	0545 00894	0741 00896	0480 00897	0737 00899	0597 00900	0699 00901	0493 00902	females (cont...)
Cyst			X	X	X				X		X					X	X	X							
Ectopic Parathyroid Gland									X																
Ectopic Thyroid																									
Hemorrhage																									
Hyperplasia, Epithelial					1						1								2	1			1		
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele	X			X						X	X						X						X		
Hyperplasia				2	1	3	1		2		4			3	4	1	4	1			3		2		1
Duct, Dilation	1		1	1	2		1	2			2	2	1			1		1				1	2	2	1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion						X																			
Inflammation, Acute																									
Dermis, Fibrosis																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis						1																			
Fibrous Osteodystrophy																									
Increased Bone																									
Vertebra, Increased Bone													3												
Vertebra, Inflammation, Chronic Active																							4		
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration								2					1	2											

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1) Minimal 3) Moderate
2) Mild 4) Marked

HARLAN SPRAGUE DAWLEY RATS FEMALE
1.5W/kg(GSM)chr

DAY ON TEST	0738	0123	0739	0741	0738	0739	0699	0696	0744	0464	0738	0739	0711	0650	0745	0744	0744	0741	0545	0741	0480	0737	0597	0699	0493	
ANIMAL ID	00872	00873	00874	00875	00876	00878	00879	00880	00881	00884	00885	00887	00888	00889	00890	00891	00892	00893	00894	00896	00897	00899	00900	00901	00902	**females (cont...)**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression											1		2			1	1	1			2	1				
Congestion																										
Hemorrhage																										
Pigment																										
Cerebellum, Hemorrhage																										
Hypothalamus, Cyst																										
Pineal Gland, Mineral																									1	
Pineal Gland, Vacuolation, Cytoplasmic								1																	1	
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1		3	1	1	2	3	3	2		2	2	2		2	1	2	2	1	2		2		3		
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2		2	2	1	1	1	2	2	1	2	1	2	1	2	1	2	2	1	2	1	2		2	1	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2		2	2	1	1	1	2	1	1	2	2	2	2	2	1	2	2		2	1	2		2	1	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1				1	1		1	1					1		1				1		1				
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Degeneration								2																		
Nerve, Degeneration	3	1	2	2	1	1	1	1	3		3	2	1	1	1	2	1	2	2	3		1	1	3	1	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 1.5W/kg(GSM)chr / ANIMAL ID	0738 00872	0123 00873	0739 00874	0741 00875	0738 00876	0739 00878	0699 00879	0696 00880	0744 00881	0464 00884	0738 00885	0739 00887	0711 00888	0650 00889	0745 00890	0744 00891	0744 00892	0741 00893	0545 00894	0741 00896	0480 00897	0737 00899	0597 00900	0699 00901	0493 00902	females (cont...)
Degeneration	2		1	2	2	2	1	2	2		2	2	2	1	2	1	2	1		2		2				
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1							1	1		1						1	1		1		1		1		
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion			1																		2					
Foreign Body																										
Hemorrhage																										
Inflammation, Suppurative																										
Inflammation, Granulomatous																			1							
Inflammation, Chronic Active																					1			2		
Alveolus, Infiltration Cellular, Histiocyte				1	2	2	1	2	1	1	2	1	1	1	2	2	1	1		1	2	1	2	2	1	
Epithelium Alveolus, Hyperplasia																3										
Interstitium, Fibrosis																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative								2																		
Nasopharyngeal Duct, Inflammation, Chronic Active								2																		
Nerve, Olfactory Epithelium, Degeneration																					2					
Olfactory Epithelium, Accumulation, Hyaline Droplet	3		3	4	2	2	3	3	1	1	2	1	2	2	1	2	3	2	2	1	3	3	3	3	2	
Olfactory Epithelium, Atrophy																										
Olfactory Epithelium, Degeneration																										
Respiratory Epithelium, Accumulation, Hyaline Droplet																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	073	012	073	074	073	073	069	069	074	046	073	073	071	065	074	074	074	074	054	074	048	073	059	069	049	
HARLAN SPRAGUE DAWLEY RATS FEMALE	8	3	9	1	8	9	9	6	4	4	8	9	1	0	5	4	4	1	5	1	0	7	7	9	3	
1.5W/kg(GSM)chr ANIMAL ID	00872	00873	00874	00875	00876	00878	00879	00880	00881	00884	00885	00887	00888	00889	00890	00891	00892	00893	00894	00896	00897	00899	00900	00901	00902	**females (cont...)**
Epithelium, Hyperplasia								2																		
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Retina, Atrophy			1	1	2																	1				
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy						1						1	1							1						
Inflammation, Granulomatous							1			1										1						
Inflammation, Acute													1													
Inflammation, Chronic																										
Inflammation, Chronic Active																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Tissue																										
Infarct																										
Inflammation, Chronic Active																										
Necrosis																										
Nephropathy, Chronic Progressive			1	1	2	1		1	2	1	1	1		1	1	1	1	1	1	1	2	1			1	
Pelvis, Dilation																										
Renal Tubule, Accumulation, Hyaline Droplet													1													
Renal Tubule, Cyst																										
Renal Tubule, Hyperplasia, Atypical																										
Renal Tubule, Hypertrophy																										
Renal Tubule, Necrosis																							2			
Renal Tubule, Pigment																										

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DAY ON TEST	0738	0123	0739	0741	0738	0739	0699	0696	0744	0464	0738	0739	0711	0650	0745	0744	0744	0741	0545	0741	0480	0737	0597	0699	0493	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
1.5W/kg(GSM)chr																										
ANIMAL ID	00872	00873	00874	00875	00876	00878	00879	00880	00881	00884	00885	00887	00888	00889	00890	00891	00892	00893	00894	00896	00897	00899	00900	00901	00902	**females (cont...)**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Hemorrhage																										
Urothelium, Hyperplasia																										

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DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069	
HARLAN SPRAGUE DAWLEY RATS FEMALE	8	8	4	0	1	7	3	4	6	9	0	1	1	4	9	
1.5W/kg(GSM)chr ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
ALIMENTARY SYSTEM																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**83**
Serosa, Inflammation, Acute																**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**88**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Hyperplasia, Lymphocyte																**1 3.0**
Intestine Small, Duodenum	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**85**
Ulcer																**1 4.0**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**82**
Serosa, Inflammation, Acute																**1 1.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	**82**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Angiectasis								2								**4 1.8**
Basophilic Focus	X			X	X						X					**17**
Clear Cell Focus						X										**3**
Congestion													2			**1 2.0**
Eosinophilic Focus	X				X											**26**
Extramedullary Hematopoiesis												1			1	**19 1.1**
Fibrosis																**1 2.0**
Infiltration Cellular, Mixed Cell																**4 1.0**
Infiltration Cellular, Mononuclear Cell																**1 1.0**

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HARLAN SPRAGUE DAWLEY RATS FEMALE

1.5W/kg(GSM)chr

DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069		
ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920		*** TOTALS**
Inflammation, Acute	1																**1 1.0**
Inflammation, Chronic																	**1 2.0**
Mixed Cell Focus		X		X						X	X	X			X		**23**
Pigment				1													**1 1.0**
Bile Duct, Cyst								X									**6**
Bile Duct, Hyperplasia						1											**5 1.2**
Centrilobular, Hepatocyte, Necrosis																	**3 1.7**
Centrilobular, Hepatocyte, Vacuolation, Cytoplasmic																	**1 3.0**
Hepatocyte, Hypertrophy		2		2	1												**5 2.0**
Hepatocyte, Necrosis													1				**2 2.0**
Hepatocyte, Vacuolation, Cytoplasmic							1										**1 1.0**
Serosa, Inflammation, Suppurative																	**1 2.0**
Sinusoid, Dilation																	**1 1.0**
Mesentery										+							**5**
Necrosis										3							**3 2.3**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		**90**
Inflammation, Acute	2																**1 2.0**
Acinus, Atrophy																	**4 1.8**
Acinus, Hyperplasia																	**2 1.0**
Artery, Inflammation, Chronic Active	2																**2 2.5**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		**89**
Parotid Gland, Atrophy	2								2								**11 2.3**
Submandibular Gland, Atrophy																	**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		**90**
Edema																	**2 1.5**

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DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069	
HARLAN SPRAGUE DAWLEY RATS FEMALE	8	8	4	0	1	7	3	4	6	9	0	1	1	4	9	
1.5W/kg(GSM)chr ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
Inflammation, Acute																**1 3.0**
Inflammation, Chronic Active															2	**5 1.8**
Ulcer																**7 2.3**
Epithelium, Hyperplasia													3		3	**14 2.5**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Erosion																**1 4.0**
CARDIOVASCULAR SYSTEM																
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Mineral													1			**2 1.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cardiomyopathy	2	1				1				1	1	1	1	1		**30 1.2**
Atrium, Myocardium, Hypertrophy																**1 1.0**
Myocardium, Hypertrophy																**1 3.0**
Myocardium, Mineral																**1 1.0**
Vein, Mineral																**1 2.0**
Ventricle Right, Cardiomyopathy								1		1	1					**9 1.1**
ENDOCRINE SYSTEM																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Accessory Adrenal Cortical Nodule																**7**
Angiectasis																**1 1.0**
Atrophy																**1 3.0**
Degeneration, Cystic	3		2							1	1					**26 1.6**
Extramedullary Hematopoiesis																**1 1.0**
Hemorrhage																**1 3.0**

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HARLAN SPRAGUE DAWLEY RATS FEMALE

1.5W/kg(GSM)chr

DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069		
ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**	
Hyperplasia	3	3						1							3	**26**	**1.8**
Hypertrophy		1	2	1	2	1		1	2	2	2					**54**	**1.8**
Necrosis	1												2			**4**	**1.8**
Thrombus																**3**	**1.0**
Vacuolation, Cytoplasmic					2					1	2		2			**21**	**1.4**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Hyperplasia																**19**	**1.2**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**	
Hyperplasia																**6**	**1.8**
Parathyroid Gland	+	I	M	+	+	+	+	+	+	M	+	M	+	+	+	**79**	
Cyst								X								**1**	
Fibrosis				1												**4**	**1.3**
Hyperplasia																**1**	**3.0**
Hypertrophy	2															**1**	**2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Pars Distalis, Atrophy																**1**	**3.0**
Pars Distalis, Cyst						X										**3**	
Pars Distalis, Hyperplasia					1			2		4					1	**26**	**2.0**
Pars Intermedia, Cyst					X											**3**	
Pars Nervosa, Cyst																**1**	
Thyroid Gland	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**	
C-cell, Hyperplasia			1		1	1	1	1	4	1					1	**49**	**1.6**
Follicle, Cyst										X						**2**	

GENERAL BODY SYSTEM

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DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069	
HARLAN SPRAGUE DAWLEY RATS FEMALE	8	8	4	0	1	7	3	4	6	9	0	1	1	4	9	
1.5W/kg(GSM)chr ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
Tissue NOS		+		+												**10**
Abdominal, Necrosis																**1 2.0**
Fat, Necrosis		2		2												**8 2.4**
GENITAL SYSTEM																
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**85**
Hyperplasia, Focal															2	**3 2.3**
Inflammation, Suppurative																**1 1.0**
Inflammation, Granulomatous																**1 4.0**
Inflammation, Chronic Active				2				1		1	1			2		**24 1.4**
Metaplasia, Squamous																**1 2.0**
Duct, Dilation	1	4	3	3	1	4		1			4		1	2		**47 2.8**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy		3	3	4	4			4	3	3	4	2	2	3	3	**63 3.5**
Cyst	X					X									X	**24**
Fibrosis																**1 3.0**
Inflammation, Suppurative																**1 3.0**
Bursa, Dilation				1												**5 2.2**
Interstitial Cell, Hyperplasia							3									**2 2.5**
Rete Ovarii, Hyperplasia	2			2	2			2							1	**25 1.6**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**89**
Angiectasis																**1 2.0**
Cyst																**3**
Dilation						3							4			**7 3.9**
Fibrosis																**1 3.0**
Hemorrhage													4			**3 3.3**
Hyperplasia, Stromal																**3 2.7**

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DAY ON TEST	072	058	065	074	074	073	049	074	069	073	074	053	063	058	069	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
1.5W/kg(GSM)chr																
ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
Inflammation, Suppurative					1								2			**11 2.4**
Inflammation, Chronic Active																**2 2.5**
Pigment																**1 2.0**
Thrombus													3			**2 3.0**
Endometrium, Hyperplasia, Cystic		3		1	3			3	1	1	2	2				**33 1.7**
Epithelium, Metaplasia, Squamous			1		2			1	1	1	2	3	4		3	**38 2.3**
Serosa, Inflammation, Suppurative																**1 4.0**
Vein, Thrombus																**1 1.0**
Vagina	+															**3**
Exudate	3															**1 3.0**
HEMATOPOIETIC SYSTEM																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hypercellularity	4	4			4							4	4		4	**57 3.1**
Lymph Node													+			**14**
Iliac, Erythrophagocytosis																**1 1.0**
Iliac, Proliferation, Plasma Cell																**1 1.0**
Iliac, Lymphatic Sinus, Ectasia																**1 1.0**
Inguinal, Hyperplasia, Lymphocyte																**1 2.0**
Inguinal, Infiltration Cellular, Plasma Cell																**1 1.0**
Lumbar, Erythrophagocytosis																**1 2.0**
Lumbar, Hyperplasia, Lymphocyte																**2 1.0**
Lumbar, Inflammation, Chronic Active																**1 2.0**
Lumbar, Proliferation, Plasma Cell																**2 2.5**
Lumbar, Lymphatic Sinus, Ectasia																**1 1.0**
Lymphatic Sinus, Renal, Ectasia																**1 2.0**
Mediastinal, Erythrophagocytosis													3			**3 2.3**

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1) Minimal 3) Moderate
2) Mild 4) Marked

HARLAN SPRAGUE DAWLEY RATS FEMALE

1.5W/kg(GSM)chr

DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069	
ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
Pancreatic, Erythrophagocytosis																**1 3.0**
Renal, Erythrophagocytosis																**2 2.0**
Renal, Inflammation, Chronic Active																**1 4.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Erythrophagocytosis														2		**2 2.0**
Hyperplasia, Lymphocyte				1	1		1		3			1			1	**40 1.3**
Infiltration Cellular, Histiocyte																**1 1.0**
Proliferation, Plasma Cell	4			1	1		2	1	3			1			1	**57 1.5**
Lymphatic Sinus, Ectasia																**3 1.7**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy																**1 2.0**
Erythrophagocytosis						2		3								**3 2.0**
Hemorrhage								2								**1 2.0**
Hyperplasia, Lymphocyte																**1 1.0**
Infiltration Cellular, Histiocyte					1											**3 1.3**
Proliferation, Plasma Cell																**1 1.0**
Lymphatic Sinus, Ectasia																**1 1.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion																**2 2.5**
Extramedullary Hematopoiesis	3	3		2	3	1		1	1	3	3	3	4	3	4	**77 2.5**
Pigment			3	3		3		1	3	1				2		**40 2.2**
Red Pulp, Atrophy			1						3							**5 1.8**
Red Pulp, Hyperplasia																**2 2.5**
White Pulp, Atrophy													1	3		**6 2.0**
Thymus	M	+	+	M	+	+	M	+	+	+	+	+	+	+	+	**86**
Atrophy		1	1		2	2		2		2	1		4	4	2	**70 2.1**

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DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
1.5W/kg(GSM)chr ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
Cyst			X		X			X		X	X					**30**
Ectopic Parathyroid Gland																**1**
Ectopic Thyroid																**1**
Hemorrhage													2			**2 2.0**
Hyperplasia, Epithelial										1						**19 1.4**
INTEGUMENTARY SYSTEM																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Galactocele		X	X		X											**18**
Hyperplasia	4	1	3			4	2					2			1	**41 2.4**
Duct, Dilation			2	1	2			1	1	1	1	1			1	**52 1.3**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst Epithelial Inclusion																**2**
Inflammation, Acute															2	**1 2.0**
Dermis, Fibrosis																**1 1.0**
MUSCULOSKELETAL SYSTEM																
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Fibrosis																**1 1.0**
Fibrous Osteodystrophy																**1 1.0**
Increased Bone																**1 1.0**
Vertebra, Increased Bone																**1 3.0**
Vertebra, Inflammation, Chronic Active																**1 4.0**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration																**7 1.4**

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DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069	
HARLAN SPRAGUE DAWLEY RATS FEMALE	8	8	4	0	1	7	3	4	6	9	0	1	1	4	9	
1.5W/kg(GSM)chr ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
NERVOUS SYSTEM																
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Compression			2	2						1						**16 1.4**
Congestion									2							**1 2.0**
Hemorrhage																**1 1.0**
Pigment																**1 1.0**
Cerebellum, Hemorrhage																**1 1.0**
Hypothalamus, Cyst																**1**
Pineal Gland, Mineral																**1 1.0**
Pineal Gland, Vacuolation, Cytoplasmic												1				**3 1.0**
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	**88**
Degeneration	2	1	1	2	3	3		1	2	2		2			1	**71 2.0**
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2	1	1	2	1	1		1	1	1	3	1	1	1	1	**84 1.5**
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2	1	1	2	1	3	1	1	2	1	2	1	1	1	2	**83 1.5**
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	1		1	3					1	1						**29 1.1**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst																**1**
Degeneration											1			1		**7 1.1**
Nerve, Degeneration	2		3	3	1	2	1	3	2	2	3		1	2	1	**81 1.9**
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**

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DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
1.5W/kg(GSM)chr ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
Degeneration	2		1	3	1	2		2	1	2	2				1	**64 1.6**
Trigeminal Ganglion	+	M	M	+	+	+	+	+	+	+	+	+	+	+	I	**79**
Degeneration	1							1	1	1	1					**31 1.0**
RESPIRATORY SYSTEM																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion													1			**5 1.4**
Foreign Body														X		**2**
Hemorrhage																**1 2.0**
Inflammation, Suppurative														4		**1 4.0**
Inflammation, Granulomatous																**2 1.0**
Inflammation, Chronic Active							1					1				**8 1.1**
Alveolus, Infiltration Cellular, Histiocyte	1		2	1				1	1	1	1	2	1		2	**75 1.6**
Epithelium Alveolus, Hyperplasia																**2 2.5**
Interstitium, Fibrosis																**1 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Inflammation, Suppurative														4		**2 3.0**
Nasopharyngeal Duct, Inflammation, Chronic Active																**1 2.0**
Nerve, Olfactory Epithelium, Degeneration																**1 2.0**
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	3		2	2	3	3	3	3	3	3	3	3		2	**86 2.6**
Olfactory Epithelium, Atrophy																**1 1.0**
Olfactory Epithelium, Degeneration																**1 1.0**
Respiratory Epithelium, Accumulation, Hyaline Droplet												1				**8 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**

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DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
1.5W/kg(GSM)chr																
ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
Epithelium, Hyperplasia																**1 2.0**
SPECIAL SENSES SYSTEM																
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**85**
Retina, Atrophy				1						1	1					**15 1.1**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy				1												**12 1.1**
Inflammation, Granulomatous																**9 1.0**
Inflammation, Acute																**1 1.0**
Inflammation, Chronic						1										**4 1.0**
Inflammation, Chronic Active		1														**1 1.0**
URINARY SYSTEM																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Ectopic Tissue						X										**1**
Infarct												2				**1 2.0**
Inflammation, Chronic Active	4															**1 4.0**
Necrosis	4															**1 4.0**
Nephropathy, Chronic Progressive		1	1			1		1	1	1	1		3	1		**61 1.2**
Pelvis, Dilation																**2 3.5**
Renal Tubule, Accumulation, Hyaline Droplet																**2 2.5**
Renal Tubule, Cyst																**2**
Renal Tubule, Hyperplasia, Atypical																**1 3.0**
Renal Tubule, Hypertrophy																**1 1.0**
Renal Tubule, Necrosis																**2 2.0**
Renal Tubule, Pigment													3			**1 3.0**

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HARLAN SPRAGUE DAWLEY RATS FEMALE

1.5W/kg(GSM)chr

DAY ON TEST	072	057	065	074	074	073	049	074	069	073	074	053	063	058	069	
ANIMAL ID	00904	00905	00907	00908	00909	00910	00911	00912	00913	00914	00916	00917	00918	00919	00920	*** TOTALS**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Edema															2	**1 2.0**
Hemorrhage															1	**1 1.0**
Urothelium, Hyperplasia															2	**1 2.0**

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DAY ON TEST	0489	0744	0739	0744	0727	0737	0636	0739	0439	0724	0720	0738	0727	0739	0740	0745	0740	0634	0741	0662	0671	0695	0628	0745	0739
HARLAN SPRAGUE DAWLEY RATS FEMALE																									
3.0W/kg(GSM)chr																									
ANIMAL ID	0102 6	0102 7	0102 8	0102 9	0103 0	0103 1	0103 2	0103 3	0103 4	0103 5	0103 6	0103 7	0103 8	0103 9	0104 0	0104 1	0104 2	0104 3	0104 5	0104 6	0104 8	0105 0	0105 1	0105 2	0105 3

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dilation																									
Intestine Large, Cecum	+	+	+	+	+	+	A	+	A	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Metaplasia, Squamous																									
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+
Intestine Small, Ileum	+	+	A	+	+	+	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	A	+	A	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis				1			2																		
Basophilic Focus				X										X				X		X					X
Clear Cell Focus		X						X				X													
Congestion																						1			
Eosinophilic Focus				X	X							X			X				X	X					X
Extramedullary Hematopoiesis		1									1										1				
Hepatodiaphragmatic Nodule																									
Infiltration Cellular, Histiocyte			3										2												
Infiltration Cellular, Mixed Cell																									
Inflammation, Chronic Active	1																								
Mixed Cell Focus	X	X		X		X		X			X	X							X						X

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	0102 6	0102 7	0102 8	0102 9	0103 0	0103 1	0103 2	0103 3	0103 4	0103 5	0103 6	0103 7	0103 8	0103 9	0104 0	0104 1	0104 2	0104 3	0104 5	0104 6	0104 8	0105 0	0105 1	0105 2	0105 3	**females (cont...)**
Bile Duct, Cyst		X																	X							
Bile Duct, Hyperplasia			1											1												
Bile Duct, Inflammation, Chronic Active																										
Hepatocyte, Degeneration			2																							
Hepatocyte, Hypertrophy																										
Hepatocyte, Necrosis							2						2													
Hepatocyte, Vacuolation, Cytoplasmic																										
Sinusoid, Dilation			2																							
Mesentery						+						+									+	+	+			
Inflammation, Chronic Active																							1			
Necrosis						2						2														
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																							2			
Acinus, Atrophy														1						1						
Acinus, Hyperplasia								1																	1	
Artery, Inflammation, Chronic Active			2																							
Periductal, Cholangiofibrosis					2	3	3							3				3		1						
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parotid Gland, Atrophy				1																		2				
Sublingual Gland, Metaplasia																										
Submandibular Gland, Atrophy													3													
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																							2			
Ulcer													2													
Epithelium, Hyperplasia											1			2	1							3	2			

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 3.0W/kg(GSM)chr / ANIMAL ID	0489 0106	0744 0107	0739 0108	0744 0109	0727 0130	0737 0131	0636 0132	0739 0133	0439 0134	0724 0135	0720 0136	0738 0137	0727 0138	0739 0139	0740 0140	0745 0141	0740 0142	0634 0143	0741 0145	0662 0146	0671 0148	0695 0150	0628 0151	0745 0152	0739 0153	females (cont...)
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tooth													+													
Dysplasia													3													
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Mineral																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy					1		1			1		1	1		1				1			1	1		1	
Myocardium, Ventricle Right, Degeneration																										
Ventricle Right, Cardiomyopathy	1									1		1								1						
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule		X											X		X										X	
Cyst																										
Degeneration, Cystic		1	1	3	2	2		2			3	1		1	1		1							1		
Extramedullary Hematopoiesis																										
Hemorrhage																										
Hyperplasia		2		3	1	2						1			1	2		2	1	1			2			
Hypertrophy		1	2	3	3	2	1	2				3		2	1	1	2		1					1	1	
Mineral																										
Necrosis																										
Thrombus																										

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	0102 6	0102 7	0102 8	0102 9	0103 0	0103 1	0103 2	0103 3	0103 4	0103 5	0103 6	0103 7	0103 8	0103 9	0104 0	0104 1	0104 2	0104 3	0104 5	0104 6	0104 8	0105 0	0105 1	0105 2	0105 3	**females (cont...)**
Vacuolation, Cytoplasmic											1	1														
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		1	2					3							1	3							1	1		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Tissue																										
Hyperplasia			3											1										2	2	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Fibrosis			1			2														1						
Hyperplasia			2												1											
Hyperplasia, Focal																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst	X						X																			
Pars Distalis, Hyperplasia		2		2							1	2			2	2	3							1	4	
Pars Distalis, Vacuolation, Cytoplasmic																										
Pars Intermedia, Cyst			X																							
Pars Intermedia, Hyperplasia																										
Pars Intermedia, Vacuolation, Cytoplasmic																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia		1		3		1						1	1			3	1				2			1	4	
GENERAL BODY SYSTEM																										
Tissue NOS					+																+			+		
Fat, Necrosis					3																3			2		

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2) Mild 4) Marked

DAY ON TEST	0489	0744	0739	0744	0727	0737	0636	0739	0439	0724	0720	0738	0727	0739	0740	0745	0740	0634	0741	0662	0671	0695	0628	0745	0739
HARLAN SPRAGUE DAWLEY RATS FEMALE																									
3.0W/kg(GSM)chr																									
ANIMAL ID	01026	01027	01028	01029	01030	01031	01032	01033	01034	01035	01036	01037	01038	01039	01040	01041	01042	01043	01045	01046	01048	01050	01051	01052	01053
females (cont...)																									
GENITAL SYSTEM																									
Clitoral Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Acute																									
Inflammation, Chronic Active		2				2		2	2	2	2			1			2		2	4			3		
Duct, Dilation		4						3	1	4	2				2	2	4	4	4	2			3		4
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3	2	1	4	2			4	3	3			3	3	4	4	4	3	4	2		2			4
Cyst		X									X			X		X							X	X	X
Bursa, Dilation								1										1							
Periovarian Tissue, Cyst																									
Periovarian Tissue, Hemorrhage																									
Rete Ovarii, Hyperplasia													3			1		2							
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																			X						
Dilation		3														4							2		
Fibrosis																									
Hemorrhage																									
Hyperplasia, Stromal																									
Infiltration Cellular, Mononuclear Cell																									
Inflammation, Suppurative																							2		1
Inflammation, Chronic Active																1									
Cervix, Cyst																									
Endometrium, Hyperplasia, Cystic				2	3			2						2			2	1					2		1
Epithelium, Metaplasia, Squamous	3		4					1	1	2					1			1		2					2
Serosa, Fibrosis																									

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	0102 6	0102 7	0102 8	0102 9	0103 0	0103 1	0103 2	0103 3	0103 4	0103 5	0103 6	0103 7	0103 8	0103 9	0104 0	0104 1	0104 2	0104 3	0104 5	0104 6	0104 8	0105 0	0105 1	0105 2	0105 3	**females (cont...)**
Vagina																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	4		4		4			2			4		3	2	4	4			3		4		4			
Lymph Node							+				+				+				+		+	+	+			
Iliac, Erythrophagocytosis															3											
Iliac, Hyperplasia, Lymphocyte															1											
Iliac, Infiltration Cellular, Histiocyte																										
Iliac, Pigment																			1							
Iliac, Proliferation, Plasma Cell																										
Iliac, Lymphatic Sinus, Ectasia																			1							
Inguinal, Pigment																										
Lumbar, Erythrophagocytosis															2											
Lumbar, Infiltration Cellular, Histiocyte															2											
Lumbar, Proliferation, Plasma Cell																										
Lymphatic Sinus, Mediastinal, Ectasia																					2					
Mediastinal, Congestion																						3				
Mediastinal, Erythrophagocytosis											1				1						3		2			
Mediastinal, Hyperplasia, Lymphocyte											1															
Mediastinal, Proliferation, Plasma Cell											2										2					
Pancreatic, Erythrophagocytosis																										
Renal, Erythrophagocytosis							3																			
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis										2																
Hyperplasia, Lymphocyte				1	2			1					1	2	1	1	1	1			3		1		1	
Inflammation, Chronic Active																										

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	0102 6	0102 7	0102 8	0102 9	0103 0	0103 1	0103 2	0103 3	0103 4	0103 5	0103 6	0103 7	0103 8	0103 9	0104 0	0104 1	0104 2	0104 3	0104 5	0104 6	0104 8	0105 0	0105 1	0105 2	0105 3	**females (cont...)**
Proliferation, Plasma Cell	2	1	3	1	3			1					2	1		2	1	2		2	2		2	1	1	
Lymphatic Sinus, Ectasia																									1	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis																			1							
Infiltration Cellular, Histiocyte															1	1										
Proliferation, Plasma Cell																							4			
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Spleen			3																							
Congestion																										
Developmental Malformation																										
Extramedullary Hematopoiesis	2	2	3	2	2	1	2	3		2	4	2		2	3	3	2		3	3	4		4	2	3	
Hemorrhage																									1	
Pigment		2	2	2		2		2		2		2	1	2			2	2				3		2	2	
Red Pulp, Atrophy																						2				
White Pulp, Atrophy							2													2		2				
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	
Atrophy	2				2	2	4	1			3	2	3	1	3	1		2	1	2	2		3	2		
Cyst				X		X					X		X	X	X	X	X	X	X						X	
Ectopic Parathyroid Gland																										
Hemorrhage										3																
Hyperplasia, Epithelial	1				2										1	2	1								1	

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele	X		X											X				X				X				
Hyperplasia		1		1	4	3	1	4			2	1	3				1	3		1	2		3	2		

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3.0W/kg(GSM)chr																										
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Inflammation, Granulomatous																										
Duct, Dilation	1	1	3	2	2			2					2	2	1	2	2	1	2	1	1	2	2			
Lymphatic, Dilation																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ulcer																										
Subcutaneous Tissue, Edema																										
Subcutaneous Tissue, Inflammation, Chronic Active																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Fibrous Osteodystrophy																										
Increased Bone																										
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1																					1			
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression			1	1	2									1				3								
Mineral			1																							
Glial Cell, Hyperplasia																										
Meninges, Hyperplasia, Granular Cell											3															
Pineal Gland, Mineral																										
Pineal Gland, Vacuolation, Cytoplasmic																										
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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ANIMAL ID	0102 6	0102 7	0102 8	0102 9	0103 0	0103 1	0103 2	0103 3	0103 4	0103 5	0103 6	0103 7	0103 8	0103 9	0104 0	0104 1	0104 2	0104 3	0104 5	0104 6	0104 8	0105 0	0105 1	0105 2	0105 3	**females (cont...)**
Degeneration		2	2	2	2	1	1	1		1	2		2	3	3	3		1	3	2	1	3	1	3	2	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1	2	2	1	2	1	2	1	1	1	1	1	1	2	1	1	1	2	1	2	1		1	1	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2	2	2	1	2	1	2	1	1	1	2	1	2	2	1	1	1	2	1	1	1	1	1	1	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration				1						1	1	1		1	1	1	1	2	1		1	1		1	1	
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration							1									1					1	2	1			
Nerve, Degeneration		1	2	2	1	2		3		3	1	1	1	3	3	3	3	2	3	2	1			2	3	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2	1	2	1	2		2	1		1	1		2	1	2	2		2		1	1		2	3	
Trigeminal Ganglion	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	
Degeneration		1	1	1		1																	1			
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion									2	2																
Hemorrhage																										
Inflammation, Granulomatous							1		2																	
Inflammation, Chronic Active					2																		2			
Alveolar Epithelium, Metaplasia, Squamous																	1									
Alveolus, Infiltration Cellular, Histiocyte	3	2		1	2	1	3	2	1	1	1			1	1	3	2	2	1	1	2	1	2	1	1	

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	0102 6	0102 7	0102 8	0102 9	0103 0	0103 1	0103 2	0103 3	0103 4	0103 5	0103 6	0103 7	0103 8	0103 9	0104 0	0104 1	0104 2	0104 3	0104 5	0104 6	0104 8	0105 0	0105 1	0105 2	0105 3	**females (cont...)**
Alveolus, Pigment																										
Bronchiole, Hyperplasia																										
Epithelium Alveolus, Hyperplasia			3										1				1				1					
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Inflammation, Suppurative																										
Inflammation, Acute																						1				
Inflammation, Chronic Active																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	2	1	2	2	2	2	2	3	2	2	1	2	3	2	3	2	3	3	3	3	3	2	3	3	3	
Olfactory Epithelium, Atrophy																						1				
Olfactory Epithelium, Metaplasia, Respiratory																										
Respiratory Epithelium, Accumulation, Hyaline Droplet													1		1						1					
Respiratory Epithelium, Hyperplasia																						2				
Respiratory Epithelium, Metaplasia, Squamous																										
Trachea	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	
Retina, Atrophy												1				1								1		
Sclera, Inflammation, Acute																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy								1							1	1										
Hyperplasia																							3			
Inflammation, Granulomatous			1							1																

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
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ANIMAL ID	01026	01027	01028	01029	01030	01031	01032	01033	01034	01035	01036	01037	01038	01039	01040	01041	01042	01043	01045	01046	01048	01050	01051	01052	01053	**females (cont...)**
Inflammation, Chronic																										
Inflammation, Chronic Active																		1								
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Nephropathy, Chronic Progressive	1	2	2	1	1		1	1	1	1	1	1	1	1	1	1	1	1		1	2	3	3	1	1	
Pelvis, Dilation																						3				
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Cyst																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Inflammation, Acute																										

DAY ON TEST	074	074	061	074	074	059	074	073	046	074	073	073	073	054	073	062	073	074	074	057	073	060	071	074	057	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr ANIMAL ID	01055	01056	01057	01058	01059	01061	01062	01063	01064	01065	01066	01067	01068	01069	01070	01071	01074	01075	01076	01077	01078	01079	01080	01081	01083	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Epithelium, Metaplasia, Squamous																										
Intestine Small, Duodenum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis				1														1								
Basophilic Focus		X								X									X					X		
Clear Cell Focus				X															X							
Congestion																										
Eosinophilic Focus						X				X		X					X						X			
Extramedullary Hematopoiesis									1							1				1		1				
Hepatodiaphragmatic Nodule																										
Infiltration Cellular, Histiocyte																										
Infiltration Cellular, Mixed Cell																										
Inflammation, Chronic Active																										
Mixed Cell Focus	X				X				X			X	X		X				X	X						

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr ANIMAL ID	01055	01056	01057	01058	01059	01061	01062	01063	01064	01065	01066	01067	01068	01069	01070	01071	01074	01075	01076	01077	01078	01079	01080	01081	01083	**females (cont...)**
Bile Duct, Cyst					X			X																		
Bile Duct, Hyperplasia					1							1										1				
Bile Duct, Inflammation, Chronic Active																					1					
Hepatocyte, Degeneration																										
Hepatocyte, Hypertrophy		2																								
Hepatocyte, Necrosis			3																							
Hepatocyte, Vacuolation, Cytoplasmic																3										
Sinusoid, Dilation																										
Mesentery																										
Inflammation, Chronic Active																										
Necrosis																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Acinus, Atrophy																										
Acinus, Hyperplasia										1						1										
Artery, Inflammation, Chronic Active																										
Periductal, Cholangiofibrosis																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parotid Gland, Atrophy														2		2					1	2				
Sublingual Gland, Metaplasia							3																			
Submandibular Gland, Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Ulcer																										
Epithelium, Hyperplasia																										

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+ .. Tissue examined microscopically
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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 3.0W/kg(GSM)chr / ANIMAL ID	074 4 0105 5	074 0 0105 6	061 1 0105 7	074 4 0105 8	074 4 0105 9	059 3 0106 1	074 1 0106 2	073 8 0106 3	046 4 0106 4	074 1 0106 5	073 9 0106 6	073 9 0106 7	073 7 0106 8	054 5 0106 9	073 8 0107 0	062 1 0107 1	073 9 0107 4	074 1 0107 5	074 0 0107 6	057 8 0107 7	073 8 0107 8	060 6 0107 9	071 3 0108 0	074 4 0108 1	057 8 0108 3	females (cont...)
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tooth																										
Dysplasia																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Mineral																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy			1	1	1			1									1				1		1	1		
Myocardium, Ventricle Right, Degeneration																										
Ventricle Right, Cardiomyopathy		1	1		1																		1			
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule					X																					
Cyst																										
Degeneration, Cystic	1	4		2	1			2			2	1			1	3	1	1								
Extramedullary Hematopoiesis																										
Hemorrhage																										
Hyperplasia		2			2	2			1	2		1	1	3	2			3		2				1		
Hypertrophy	2	2			2		2	3		1	1	1	1		1		2						2	1		
Mineral																			2							
Necrosis			3																							
Thrombus																				1						

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DAY ON TEST	074	074	061	074	074	059	074	073	046	074	073	073	073	054	073	062	073	074	074	057	073	060	071	074	057	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr ANIMAL ID	01055	01056	01057	01058	01059	01061	01062	01063	01064	01065	01066	01067	01068	01069	01070	01071	01074	01075	01076	01077	01078	01079	01080	01081	01083	**females (cont...)**
Vacuolation, Cytoplasmic						2	2	2										2								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				1	1				1					1									2			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Tissue																										
Hyperplasia																		4								
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	M	+	+	+	
Fibrosis	1			1																						
Hyperplasia																										
Hyperplasia, Focal			2																							
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst																										
Pars Distalis, Hyperplasia						1													1					1		
Pars Distalis, Vacuolation, Cytoplasmic																										
Pars Intermedia, Cyst	X																									
Pars Intermedia, Hyperplasia																										
Pars Intermedia, Vacuolation, Cytoplasmic																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia	1			1	1		2	1			1	1	3		3	1	2	3	2	3	1	1	2	1		
GENERAL BODY SYSTEM																										
Tissue NOS											+						+									
Fat, Necrosis											3						2									

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DAY ON TEST	074	074	061	074	074	059	074	073	046	074	073	073	073	054	073	062	073	074	074	057	073	060	071	074	057	
HARLAN SPRAGUE DAWLEY RATS FEMALE	4	0	1	4	4	3	1	8	4	1	9	9	7	5	8	1	9	1	0	8	8	6	3	4	8	
3.0W/kg(GSM)chr ANIMAL ID	01055	01056	01057	01058	01059	01061	01062	01063	01064	01065	01066	01067	01068	01069	01070	01071	01074	01075	01076	01077	01078	01079	01080	01081	01083	**females (cont...)**
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	
Inflammation, Acute																3										
Inflammation, Chronic Active	1			2				2	1	1			2	1							2	2	1			
Duct, Dilation	2			2			2	3			3		2	3		4		3	1		3	2				
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	4	4	3	4		2	4	4		4	3		1	3	4		4		3				3	4	4	
Cyst					X					X					X				X							
Bursa, Dilation					2		1				2						2									
Periovarian Tissue, Cyst																										
Periovarian Tissue, Hemorrhage																										
Rete Ovarii, Hyperplasia								1		3													1			
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst								X																		
Dilation													2					1			2	4				
Fibrosis																			1							
Hemorrhage																						2				
Hyperplasia, Stromal	2																									
Infiltration Cellular, Mononuclear Cell																			1							
Inflammation, Suppurative							2				1															
Inflammation, Chronic Active																						3				
Cervix, Cyst																										
Endometrium, Hyperplasia, Cystic				2										3	1									1	1	
Epithelium, Metaplasia, Squamous	1	3	2	1		2	4				1			1	2							4	4	1		
Serosa, Fibrosis																						3				

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DAY ON TEST	074	074	061	074	074	059	074	073	046	074	073	073	073	054	073	062	073	074	074	057	073	060	071	074	057	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr ANIMAL ID	01055	01056	01057	01058	01059	01061	01062	01063	01064	01065	01066	01067	01068	01069	01070	01071	01074	01075	01076	01077	01078	01079	01080	01081	01083	**females (cont...)**
Vagina																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	3	3	3		1	4		1	4	3		1				4		3		4		4		3		
Lymph Node			+	+							+				+				+					+		
Iliac, Erythrophagocytosis																								1		
Iliac, Hyperplasia, Lymphocyte																										
Iliac, Infiltration Cellular, Histiocyte																										
Iliac, Pigment																										
Iliac, Proliferation, Plasma Cell																								1		
Iliac, Lymphatic Sinus, Ectasia											2								1							
Inguinal, Pigment															1											
Lumbar, Erythrophagocytosis																										
Lumbar, Infiltration Cellular, Histiocyte																										
Lumbar, Proliferation, Plasma Cell			2																							
Lymphatic Sinus, Mediastinal, Ectasia																										
Mediastinal, Congestion																										
Mediastinal, Erythrophagocytosis																										
Mediastinal, Hyperplasia, Lymphocyte																										
Mediastinal, Proliferation, Plasma Cell																										
Pancreatic, Erythrophagocytosis				1																						
Renal, Erythrophagocytosis																										
Lymph Node, Mandibular	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis																2										
Hyperplasia, Lymphocyte	1	1	1	1							1			1	2	1	2	3	1	1			2	2	1	
Inflammation, Chronic Active																										

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DAY ON TEST	074	074	061	074	074	059	074	073	046	074	073	073	073	054	073	062	073	074	074	057	073	060	071	074	057	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr ANIMAL ID	01055	01056	01057	01058	01059	01061	01062	01063	01064	01065	01066	01067	01068	01069	01070	01071	01074	01075	01076	01077	01078	01079	01080	01081	01083	**females (cont...)**
Proliferation, Plasma Cell	1	2	2	1		1					1	1	2	1	1	2	2	1	1	3		2	2	2	2	
Lymphatic Sinus, Ectasia					1							1						2								
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis								3										1								
Infiltration Cellular, Histiocyte																										
Proliferation, Plasma Cell																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Spleen																										
Congestion																			1							
Developmental Malformation																										
Extramedullary Hematopoiesis	3	3	3	1	2	3	2	2	3	3	2	3	2		1	4	2	2	1	3	2	3		2		
Hemorrhage																										
Pigment				2	2		2	3			1	1	2	2	3		2	3			3		2	1	3	
Red Pulp, Atrophy																										
White Pulp, Atrophy																									1	
Thymus	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		1	2	2	2	1		1	1	2	1		2	1	1	4	1	1	1	3	1	4	1	2		
Cyst		X		X			X										X	X					X	X		
Ectopic Parathyroid Gland																										
Hemorrhage																										
Hyperplasia, Epithelial		4		1	1					1							1									
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele			X	X						X													X		X	
Hyperplasia	1	2		2	3	1	1	1	1	4		3	1	1		2	2	3	2	1	4				1	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 3.0W/kg(GSM)chr / ANIMAL ID	0744 0105 5	0740 0105 6	0661 0105 7	0744 0105 8	0744 0105 9	0593 0106 1	0741 0106 2	0738 0106 3	0464 0106 4	0741 0106 5	0739 0106 6	0739 0106 7	0737 0106 8	0545 0106 9	0738 0107 0	0621 0107 1	0739 0107 4	0741 0107 5	0740 0107 6	0578 0107 7	0738 0107 8	0606 0107 9	0713 0108 0	0744 0108 1	0578 0108 3	females (cont...)
Inflammation, Granulomatous																									
Duct, Dilation	3	2		2		1	2	2			1			1	2	1	3						1		2	
Lymphatic, Dilation														3												
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ulcer																										
Subcutaneous Tissue, Edema																										
Subcutaneous Tissue, Inflammation, Chronic Active																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Fibrous Osteodystrophy								4									1									
Increased Bone																										
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression		1		1				2						3	2		1						2		2	
Mineral																										
Glial Cell, Hyperplasia																										
Meninges, Hyperplasia, Granular Cell																										
Pineal Gland, Mineral										1																
Pineal Gland, Vacuolation, Cytoplasmic											1															
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS FEMALE 3.0W/kg(GSM)chr	DAY ON TEST	074	074	061	074	074	059	074	073	046	074	073	073	073	054	073	062	073	074	074	057	073	060	071	074	057	
	ANIMAL ID	01055	01056	01057	01058	01059	01061	01062	01063	01064	01065	01066	01067	01068	01069	01070	01071	01074	01075	01076	01077	01078	01079	01080	01081	01083	**females (cont...)**
Degeneration		2	3	1	3	2		3	3		3	2		3		3	3	2	3	2		2		3	2		
Peripheral Nerve, Sciatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2	2	1	3	1		3	2	1	1	2	1	2		1	2	1	1	1	1	2	1	1	3	1	
Peripheral Nerve, Tibial		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1	1	1	2	1	1	2	2		2	1	2	2	1	1	3	1	2	1	1	2	1	1	2	1	
Spinal Cord, Cervical		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1				1			1		1	1	1		1	1			1	1		1	1	2	1	1	
Spinal Cord, Lumbar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration											1	1					3		2								
Nerve, Degeneration		3	3	1	3	2	1	2	2		2	3	2	2	1	2	3	1		1	1	3	1	1	2	2	
Spinal Cord, Thoracic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2	3	1	2	2		2	2		3	2	2	1		3	2	2	2	2		2		1	1		
Trigeminal Ganglion		+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	
Degeneration		1	1		1	1		1	1		1	1				1		1	1	1		1		1	1		
RESPIRATORY SYSTEM																											
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																											
Hemorrhage																1	1										
Inflammation, Granulomatous																											
Inflammation, Chronic Active																	1										
Alveolar Epithelium, Metaplasia, Squamous																											
Alveolus, Infiltration Cellular, Histiocyte		3	1	1	1	2	1	2	2	1	1	1	2	1	2	2	1	2	2	1	2	1	1	2	2	1	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 3.0W/kg(GSM)chr / ANIMAL ID	0744 0105	0740 0106	0661 0107	0744 0108	0744 0109	0593 0161	0741 0162	0738 0163	0464 0164	0741 0165	0739 0166	0739 0167	0737 0168	0545 0169	0738 0170	0621 0171	0739 0174	0741 0175	0740 0176	0578 0177	0738 0178	0606 0179	0713 0180	0744 0181	0578 0183	females (cont...)
Alveolus, Pigment																									
Bronchiole, Hyperplasia																									
Epithelium Alveolus, Hyperplasia																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																									
Inflammation, Suppurative	1																								
Inflammation, Acute																									
Inflammation, Chronic Active																									
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	3	4	3	3	2	2	1	2	3	2	2	1	3	3	2	2	3	2	2	2		2	3	2	
Olfactory Epithelium, Atrophy																									
Olfactory Epithelium, Metaplasia, Respiratory	1																								
Respiratory Epithelium, Accumulation, Hyaline Droplet			1											1											
Respiratory Epithelium, Hyperplasia																									
Respiratory Epithelium, Metaplasia, Squamous																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Retina, Atrophy				1	1		1										1	1							
Sclera, Inflammation, Acute																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		1								1							1							1		
Hyperplasia																									
Inflammation, Granulomatous										1							1								

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 3.0W/kg(GSM)chr / ANIMAL ID	0744 01055	0740 01056	0661 01057	0744 01058	0744 01059	0593 01061	0741 01062	0738 01063	0464 01064	0741 01065	0739 01066	0739 01067	0737 01068	0545 01069	0738 01070	0621 01071	0739 01074	0741 01075	0740 01076	0578 01077	0738 01078	0606 01079	0713 01080	0744 01081	0578 01083	females (cont...)
Inflammation, Chronic																					1				
Inflammation, Chronic Active																									
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active									1																
Nephropathy, Chronic Progressive	1	1	1	1	1	1	1	1		1	1	1	2	1	1	1	2	1	1				1		1
Pelvis, Dilation																									
Renal Tubule, Accumulation, Hyaline Droplet																									
Renal Tubule, Cyst										X															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																4									
Inflammation, Acute																4									

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DAY ON TEST	0738	0737	0741	0737	0738	0740	0656	0738	0383	0383	0464	0383	0450	0669	0489	0744	0741	0492	0738	0740	0744	0493	0699	0739	0720	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	01084	01085	01086	01087	01088	01091	01092	01093	01096	01097	01098	01099	01100	01101	01102	01103	01104	01105	01107	01108	01109	01110	01111	01112	01113	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Epithelium, Metaplasia, Squamous															2											
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis						1																				
Basophilic Focus		X																		X						
Clear Cell Focus					X																					
Congestion																										
Eosinophilic Focus		X	X	X													X		X	X				X	X	
Extramedullary Hematopoiesis				1					1	1		1		2	1										1	
Hepatodiaphragmatic Nodule																										
Infiltration Cellular, Histiocyte																										
Infiltration Cellular, Mixed Cell												1														
Inflammation, Chronic Active																										
Mixed Cell Focus		X		X	X	X	X	X			X			X		X			X		X	X			X	

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DAY ON TEST	0738	0737	0741	0737	0738	0740	0656	0738	0383	0383	0464	0383	0450	0669	0489	0744	0741	0492	0738	0740	0744	0493	0699	0739	0720	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	01084	01085	01086	01087	01088	01091	01092	01093	01096	01097	01098	01099	01100	01101	01102	01103	01104	01105	01107	01108	01109	01110	01111	01112	01113	**females (cont...)**
Bile Duct, Cyst					X																					
Bile Duct, Hyperplasia			2													1										
Bile Duct, Inflammation, Chronic Active																										
Hepatocyte, Degeneration																										
Hepatocyte, Hypertrophy																										
Hepatocyte, Necrosis																1										
Hepatocyte, Vacuolation, Cytoplasmic																										
Sinusoid, Dilation																										
Mesentery																										
Inflammation, Chronic Active																										
Necrosis																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																1										
Acinus, Atrophy																1										
Acinus, Hyperplasia			2																							
Artery, Inflammation, Chronic Active																										
Periductal, Cholangiofibrosis																		1								
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parotid Gland, Atrophy													4								1					
Sublingual Gland, Metaplasia																										
Submandibular Gland, Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Ulcer													3													
Epithelium, Hyperplasia													2	1									1			

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 3.0W/kg(GSM)chr / ANIMAL ID	0738	0737	0741	0737	0738	0740	0656	0738	0383	0383	0464	0383	0450	0669	0489	0744	0741	0492	0738	0740	0744	0493	0699	0739	0720	
	01084	01085	01086	01087	01088	01091	01092	01093	01096	01097	01098	01099	01100	01101	01102	01103	01104	01105	01107	01108	01109	01110	01111	01112	01113	**females (cont...)**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tooth																										
Dysplasia																										
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																										
Mineral																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy		1	1	1	1	1			1		1		1	1		1	1	1		1				1	1	
Myocardium, Ventricle Right, Degeneration																										
Ventricle Right, Cardiomyopathy						2			2				1	1												
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																				X						
Cyst																			X							
Degeneration, Cystic	1		3		3	1		1								1	1							3		
Extramedullary Hematopoiesis														1												
Hemorrhage																										
Hyperplasia	3				2			3		2	2				2		2						1	4	2	
Hypertrophy		2	3	1	3	2		1		2	2	2		1		2			1	1	1	1		3	3	
Mineral																										
Necrosis																										
Thrombus																										

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DAY ON TEST	0738	0737	0741	0737	0738	0740	0656	0738	0383	0383	0464	0383	0450	0669	0489	0744	0741	0492	0738	0740	0744	0493	0699	0739	0720	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	01084	01085	01086	01087	01088	01091	01092	01093	01096	01097	01098	01099	01100	01101	01102	01103	01104	01105	01107	01108	01109	01110	01111	01112	01113	**females (cont...)**
Vacuolation, Cytoplasmic		1				2		2						1												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia														1								1				
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Tissue		X																								
Hyperplasia	3	2						2								1	4									
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
Fibrosis				1																						
Hyperplasia																										
Hyperplasia, Focal																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst																				X						
Pars Distalis, Hyperplasia	3		2	1			3	3	1											2						
Pars Distalis, Vacuolation, Cytoplasmic																										
Pars Intermedia, Cyst																										
Pars Intermedia, Hyperplasia																							2			
Pars Intermedia, Vacuolation, Cytoplasmic																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia	1			3	3	4		1						4		1	2		1	2	1		3	2		
GENERAL BODY SYSTEM																										
Tissue NOS																		+								
Fat, Necrosis																		3								

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DAY ON TEST	073	073	074	073	073	074	065	073	083	083	046	083	045	066	048	074	074	074	074	074	049	069	073	072	
HARLAN SPRAGUE DAWLEY RATS FEMALE	8	7	1	7	8	0	6	8	3	3	4	3	0	9	9	4	1	2	8	0	4	3	9	0	
3.0W/kg(GSM)chr																									
ANIMAL ID	0108	0108	0108	0108	0108	0109	0109	0109	0109	0109	0109	0109	0110	0110	0110	0110	0110	0110	0110	0110	0110	0111	0111	0111	**females (cont...)**
	4	5	6	7	8	1	2	3	6	7	8	9	0	1	2	3	4	5	7	8	9	0	1	2	3
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Inflammation, Acute																									
Inflammation, Chronic Active					1			4			1			1			2		3		3				
Duct, Dilation	4	3	1	1			4	1			3						2		4	4	2		2		1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	4	4	4	4	4	4	2	4	3	2				2	3		4	3	4	4		3	3	4	3
Cyst	X	X		X		X		X								X								X	
Bursa, Dilation																									
Periovarian Tissue, Cyst																									
Periovarian Tissue, Hemorrhage																									
Rete Ovarii, Hyperplasia		1			1	2											1								
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst	X					X		X									X		X						
Dilation				4	1							2													
Fibrosis																									
Hemorrhage				3																					
Hyperplasia, Stromal																									
Infiltration Cellular, Mononuclear Cell																									
Inflammation, Suppurative																			1	2					
Inflammation, Chronic Active				1																					
Cervix, Cyst			X																						
Endometrium, Hyperplasia, Cystic		3	2		1		1							2			1	1		2			2	1	
Epithelium, Metaplasia, Squamous		1	1		2		3	2	2	2					2			2		2		2	2		
Serosa, Fibrosis																									

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DAY ON TEST	073	073	074	073	073	074	065	073	083	083	046	083	045	066	048	074	074	049	073	074	074	049	069	073	072	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	0108 4	0108 5	0108 6	0108 7	0108 8	0109 1	0109 2	0109 3	0109 6	0109 7	0109 8	0109 9	0110 0	0110 1	0110 2	0110 3	0110 4	0110 5	0110 7	0110 8	0110 9	0111 0	0111 1	0111 2	0111 3	**females (cont...)**
Vagina													+													
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	2	1	1	4			4	1	4	4	3	4		4	4		1	4			3	1	3	1	4	
Lymph Node	+					+		+		+			+	+												
Iliac, Erythrophagocytosis						3																				
Iliac, Hyperplasia, Lymphocyte														2												
Iliac, Infiltration Cellular, Histiocyte								2																		
Iliac, Pigment																										
Iliac, Proliferation, Plasma Cell														3												
Iliac, Lymphatic Sinus, Ectasia																										
Inguinal, Pigment																										
Lumbar, Erythrophagocytosis																										
Lumbar, Infiltration Cellular, Histiocyte																										
Lumbar, Proliferation, Plasma Cell																										
Lymphatic Sinus, Mediastinal, Ectasia																										
Mediastinal, Congestion																										
Mediastinal, Erythrophagocytosis	1																									
Mediastinal, Hyperplasia, Lymphocyte						1																				
Mediastinal, Proliferation, Plasma Cell								1																		
Pancreatic, Erythrophagocytosis																										
Renal, Erythrophagocytosis																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis					2																					
Hyperplasia, Lymphocyte	2				3	1	2	2							3	3	1			1	1			1		
Inflammation, Chronic Active														2												

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
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Proliferation, Plasma Cell	3	1	1	1	3	2	3	2			2			4	2	4	2	1	1			2	2	2		
Lymphatic Sinus, Ectasia			3													1										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis																										
Infiltration Cellular, Histiocyte																										
Proliferation, Plasma Cell																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Spleen																										
Congestion																										
Developmental Malformation											X															
Extramedullary Hematopoiesis	2	2	2	3	2	2	3	2	3	2	3	3		4	4	2	2	3	2	2	2	3	2	2	3	
Hemorrhage																										
Pigment	2	2	4		2	2		1								2	2		2	2	2			1		
Red Pulp, Atrophy																										
White Pulp, Atrophy														1												
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		1		3	1	1		1			2			4		2	1			1	2	2	2	1	3	
Cyst	X	X	X	X		X		X								X	X			X			X		X	
Ectopic Parathyroid Gland		X															X									
Hemorrhage																										
Hyperplasia, Epithelial	2	1		2											1					1					1	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele					X		X								X			X								
Hyperplasia	2	1				1			1		1		2			2	2				2			3		

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 3.0W/kg(GSM)chr / ANIMAL ID	0738	0737	0741	0737	0738	0740	0656	0738	0383	0383	0464	0383	0450	0669	0489	0744	0741	0492	0738	0740	0744	0493	0699	0739	0720	females (cont...)
	01084	01085	01086	01087	01088	01091	01092	01093	01096	01097	01098	01099	01100	01101	01102	01103	01104	01105	01107	01108	01109	01110	01111	01112	01113	
Inflammation, Granulomatous																		2								
Duct, Dilation	2	2	1	1	2	2	1	1	1	1	2		1	2			2	1	1	1			1	1		
Lymphatic, Dilation																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ulcer																					2					
Subcutaneous Tissue, Edema																										
Subcutaneous Tissue, Inflammation, Chronic Active																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																				1						
Fibrous Osteodystrophy																										
Increased Bone													2													
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration													1													
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression																	1									
Mineral																										
Glial Cell, Hyperplasia																									4	
Meninges, Hyperplasia, Granular Cell																										
Pineal Gland, Mineral														1												
Pineal Gland, Vacuolation, Cytoplasmic																					1					
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	073 8	073 7	074 1	073 7	073 8	074 0	065 6	073 8	083 3	083 3	046 4	083 3	045 0	066 9	048 9	074 4	074 1	049 2	073 8	074 0	074 4	049 3	069 9	073 9	072 0	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	0108 4	0108 5	0108 6	0108 7	0108 8	0109 1	0109 2	0109 3	0109 6	0109 7	0109 8	0109 9	0110 0	0110 1	0110 2	0110 3	0110 4	0110 5	0110 7	0110 8	0110 9	0111 0	0111 1	0111 2	0111 3	**females (cont...)**
Degeneration	2	3	3	1	2	1	2	1			1			3		1	2		2	3	2		2	3	3	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	2	1	1	2	1	1	1	1	1				2		2	3	1	1	2	2	1	2	1	2	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	2	1	1	1	2	1	1			1			3		2	2	1	1	2	2	1	2	2	2	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	1	1			1										1	1			1			1	1		
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration							1										1									
Nerve, Degeneration	3	2	2	3	2	2		3		1				1		2	3	1	2	2	2		2	2	2	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	2	2	3	2	2		1						1		1	2		1	2	2		1	2	2	
Trigeminal Ganglion	+	+	+	+	+	+	+	M	I	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1				1													1	1			1		1	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																	2									
Hemorrhage													2													
Inflammation, Granulomatous								1																		
Inflammation, Chronic Active	1					1						1						2		1						
Alveolar Epithelium, Metaplasia, Squamous																										
Alveolus, Infiltration Cellular, Histiocyte	1	1	1	3	2	2	2	2	1	1	1	2	1	2	1	1	3	3	3	1	1	1	1	1	2	

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X .. Lesion present
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A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0738	0737	0741	0737	0738	0740	0656	0738	0383	0383	0464	0383	0450	0669	0489	0744	0741	0492	0738	0740	0744	0493	0699	0739	0720	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr																										
ANIMAL ID	01084	01085	01086	01087	01088	01091	01092	01093	01096	01097	01098	01099	01100	01101	01102	01103	01104	01105	01107	01108	01109	01110	01111	01112	01113	**females (cont...)**
Alveolus, Pigment																										
Bronchiole, Hyperplasia								2																		
Epithelium Alveolus, Hyperplasia							2																			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body													X													
Inflammation, Suppurative							1						1													
Inflammation, Acute																										
Inflammation, Chronic Active																				2						
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	3	3	3	3	2	2	2	2	1	3	3	2	2	2	2	1	2	3	3	2	3	3	3	1	
Olfactory Epithelium, Atrophy																										
Olfactory Epithelium, Metaplasia, Respiratory																										
Respiratory Epithelium, Accumulation, Hyaline Droplet							1										1	1					1			
Respiratory Epithelium, Hyperplasia																										
Respiratory Epithelium, Metaplasia, Squamous													1							2						
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Retina, Atrophy	1															1					1			1		
Sclera, Inflammation, Acute														1												
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy			1			1		2									1				1			1		
Hyperplasia																										
Inflammation, Granulomatous			1		1												1				1			1		

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DAY ON TEST	0738	0737	0741	0737	0738	0740	0656	0738	0383	0383	0464	0383	0450	0669	0489	0744	0741	0492	0738	0740	0744	0493	0699	0739	0720	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
3.0W/kg(GSM)chr ANIMAL ID	01084	01085	01086	01087	01088	01091	01092	01093	01096	01097	01098	01099	01100	01101	01102	01103	01104	01105	01107	01108	01109	01110	01111	01112	01113	**females (cont...)**
Inflammation, Chronic																										
Inflammation, Chronic Active																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Nephropathy, Chronic Progressive	1	1	1	1	1			1	1	1	1	1		3			2		1			1	1	1		
Pelvis, Dilation																										
Renal Tubule, Accumulation, Hyaline Droplet															3											
Renal Tubule, Cyst																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Inflammation, Acute																										

DAY ON TEST	0619	0741	0545	0737	0740	0450	0739	0142	0640	0741	0706	0669	0482	0740	0579		
HARLAN SPRAGUE DAWLEY RATS FEMALE																	
3.0W/kg(GSM)chr																	
ANIMAL ID	01114	01115	01116	01117	01118	01119	01120	01122	01123	01124	01125	01127	01128	01129	01130	*** TOTALS**	
ALIMENTARY SYSTEM																	
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Dilation								3								**1**	**3.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	A	A	+	+	+	A	+	+	**83**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	**89**	
Epithelium, Metaplasia, Squamous																**1**	**2.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	**83**	
Intestine Small, Ileum	A	+	+	+	+	+	+	A	A	+	+	+	A	+	+	**81**	
Intestine Small, Jejunum	A	+	+	+	+	+	+	A	A	+	+	+	A	+	A	**81**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Angiectasis					1											**6**	**1.2**
Basophilic Focus																**11**	
Clear Cell Focus																**6**	
Congestion								3								**2**	**2.0**
Eosinophilic Focus					X		X							X		**23**	
Extramedullary Hematopoiesis							1		1	1						**17**	**1.1**
Hepatodiaphragmatic Nodule														X		**1**	
Infiltration Cellular, Histiocyte																**2**	**2.5**
Infiltration Cellular, Mixed Cell																**1**	**1.0**
Inflammation, Chronic Active											1					**2**	**1.0**
Mixed Cell Focus		X					X								X	**33**	

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	061	074	054	073	074	045	073	014	064	074	070	066	048	074	057	
HARLAN SPRAGUE DAWLEY RATS FEMALE	9	1	5	7	0	0	9	2	0	1	6	9	2	0	9	
3.0W/kg(GSM)chr ANIMAL ID	0114	0115	0116	0117	0118	0119	0120	0122	0123	0124	0125	0127	0128	0129	0130	*** TOTALS**
Bile Duct, Cyst																**5**
Bile Duct, Hyperplasia		1			1								1			**10 1.1**
Bile Duct, Inflammation, Chronic Active																**1 1.0**
Hepatocyte, Degeneration																**1 2.0**
Hepatocyte, Hypertrophy							1									**2 1.5**
Hepatocyte, Necrosis	1															**5 1.8**
Hepatocyte, Vacuolation, Cytoplasmic																**1 3.0**
Sinusoid, Dilation																**1 2.0**
Mesentery																**5**
Inflammation, Chronic Active																**1 1.0**
Necrosis																**2 2.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Inflammation, Chronic Active																**2 1.5**
Acinus, Atrophy					2											**4 1.3**
Acinus, Hyperplasia																**5 1.2**
Artery, Inflammation, Chronic Active																**1 2.0**
Periductal, Cholangiofibrosis																**7 2.3**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Parotid Gland, Atrophy																**8 1.9**
Sublingual Gland, Metaplasia																**1 3.0**
Submandibular Gland, Atrophy																**1 3.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Edema																**1 2.0**
Ulcer																**2 2.5**
Epithelium, Hyperplasia																**8 1.6**

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DAY ON TEST	0619	0741	0545	0737	0740	0450	0739	0142	0640	0741	0706	0669	0482	0740	0579	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01114	01115	01116	01117	01118	01119	01120	01122	01123	01124	01125	01127	01128	01129	01130	*** TOTALS**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Tooth																**1**
Dysplasia																**1 3.0**
CARDIOVASCULAR SYSTEM																
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Dilation								2								**1 2.0**
Mineral								2								**1 2.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cardiomyopathy	1	1	1					2		2	1					**39 1.1**
Myocardium, Ventricle Right, Degeneration											2					**1 2.0**
Ventricle Right, Cardiomyopathy	1	1														**14 1.1**
ENDOCRINE SYSTEM																
Adrenal Cortex	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Accessory Adrenal Cortical Nodule																**6**
Cyst																**1**
Degeneration, Cystic		2		1	1		3								2	**36 1.7**
Extramedullary Hematopoiesis																**1 1.0**
Hemorrhage													2			**1 2.0**
Hyperplasia			1		2	1	3					2		2	2	**40 1.9**
Hypertrophy		3	2								2	2	2	1		**51 1.8**
Mineral																**1 2.0**
Necrosis																**1 3.0**
Thrombus																**1 1.0**

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DAY ON TEST	061	074	054	073	074	045	073	014	064	074	070	066	048	074	057	
HARLAN SPRAGUE DAWLEY RATS FEMALE	9	1	5	7	0	0	9	2	0	1	6	9	2	0	9	
3.0W/kg(GSM)chr ANIMAL ID	01114	01115	01116	01117	01118	01119	01120	01122	01123	01124	01125	01127	01128	01129	01130	*** TOTALS**
Vacuolation, Cytoplasmic					2											**11 1.6**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hyperplasia																**14 1.4**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Ectopic Tissue																**1**
Hyperplasia		1														**11 2.3**
Parathyroid Gland	+	+	M	M	+	M	+	+	+	+	+	+	+	M	+	**82**
Fibrosis	2						1					1				**9 1.2**
Hyperplasia																**2 1.5**
Hyperplasia, Focal												1				**2 1.5**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Pars Distalis, Cyst										X						**4**
Pars Distalis, Hyperplasia		1		2			1									**22 1.9**
Pars Distalis, Vacuolation, Cytoplasmic	2															**1 2.0**
Pars Intermedia, Cyst																**2**
Pars Intermedia, Hyperplasia																**1 2.0**
Pars Intermedia, Vacuolation, Cytoplasmic	2															**1 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
C-cell, Hyperplasia			1	1	4						1					**45 1.8**
GENERAL BODY SYSTEM																
Tissue NOS					+					+						**8**
Fat, Necrosis										2						**7 2.6**

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DAY ON TEST	0619	0741	0545	0737	0740	0450	0739	0142	0640	0741	0706	0669	0482	0740	0579	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01114	01115	01116	01117	01118	01119	01120	01122	01123	01124	01125	01127	01128	01129	01130	*** TOTALS**
GENITAL SYSTEM																
Clitoral Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	**86**
Inflammation, Acute																**1 3.0**
Inflammation, Chronic Active			2	1						1	2					**32 1.9**
Duct, Dilation		4	4	4	4					4		4				**44 2.8**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy			2	4	4	3	4		3	4	3		3	4	1	**66 3.3**
Cyst		X			X				X		X				X	**23**
Bursa, Dilation																**6 1.5**
Periovarian Tissue, Cyst							X									**1**
Periovarian Tissue, Hemorrhage									2							**1 2.0**
Rete Ovarii, Hyperplasia		3		2											1	**13 1.7**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst					X		X			X				X		**11**
Dilation									4				4			**12 2.8**
Fibrosis																**1 1.0**
Hemorrhage									3				2			**4 2.5**
Hyperplasia, Stromal																**1 2.0**
Infiltration Cellular, Mononuclear Cell																**1 1.0**
Inflammation, Suppurative																**6 1.5**
Inflammation, Chronic Active									3			2	1			**6 1.8**
Cervix, Cyst																**1**
Endometrium, Hyperplasia, Cystic			1	3			2							2	1	**28 1.7**
Epithelium, Metaplasia, Squamous			1	1		2			4			4		2		**39 2.1**
Serosa, Fibrosis																**1 3.0**

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DAY ON TEST	0619	0741	0545	0737	0740	0450	0739	0142	0640	0741	0706	0669	0482	0740	0579	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01114	01115	01116	01117	01118	01119	01120	01122	01123	01124	01125	01127	01128	01129	01130	*** TOTALS**
Vagina																**1**
HEMATOPOIETIC SYSTEM																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hypercellularity	4				1	4	4		4	4		4	3	3	1	**55 3.1**
Lymph Node					+							+				**21**
Iliac, Erythrophagocytosis																**3 2.3**
Iliac, Hyperplasia, Lymphocyte																**2 1.5**
Iliac, Infiltration Cellular, Histiocyte																**1 2.0**
Iliac, Pigment																**1 1.0**
Iliac, Proliferation, Plasma Cell																**2 2.0**
Iliac, Lymphatic Sinus, Ectasia																**3 1.3**
Inguinal, Pigment																**1 1.0**
Lumbar, Erythrophagocytosis																**1 2.0**
Lumbar, Infiltration Cellular, Histiocyte																**1 2.0**
Lumbar, Proliferation, Plasma Cell																**1 2.0**
Lymphatic Sinus, Mediastinal, Ectasia																**1 2.0**
Mediastinal, Congestion																**1 3.0**
Mediastinal, Erythrophagocytosis																**5 1.6**
Mediastinal, Hyperplasia, Lymphocyte																**2 1.0**
Mediastinal, Proliferation, Plasma Cell																**3 1.7**
Pancreatic, Erythrophagocytosis																**1 1.0**
Renal, Erythrophagocytosis																**1 3.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Erythrophagocytosis							2									**4 2.0**
Hyperplasia, Lymphocyte	1			1	1		2			1				1		**44 1.5**
Inflammation, Chronic Active																**1 2.0**

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HARLAN SPRAGUE DAWLEY RATS FEMALE

3.0W/kg(GSM)chr

DAY ON TEST	0619	0741	0545	0737	0740	0450	0739	0142	0640	0741	0706	0669	0482	0740	0579	
ANIMAL ID	01114	01115	01116	01117	01118	01119	01120	01122	01123	01124	01125	01127	01128	01129	01130	*** TOTALS**
Proliferation, Plasma Cell	3	1		1	4	2	2		2	2	3		1	1	1	**65 1.8**
Lymphatic Sinus, Ectasia														1		**7 1.4**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Erythrophagocytosis																**3 1.7**
Infiltration Cellular, Histiocyte																**2 1.0**
Proliferation, Plasma Cell																**1 4.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Accessory Spleen																**1 3.0**
Congestion																**1 1.0**
Developmental Malformation																**1**
Extramedullary Hematopoiesis	3	2	2	2	2	1	4		3	3				3	1	**78 2.5**
Hemorrhage																**1 1.0**
Pigment		2		2	2			2			2			1		**47 2.0**
Red Pulp, Atrophy											2					**2 2.0**
White Pulp, Atrophy													2			**6 1.7**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
Atrophy	3	3		2	2		2			1	1			1	2	**62 1.9**
Cyst				X			X			X	X					**33**
Ectopic Parathyroid Gland																**2**
Hemorrhage									1							**2 2.0**
Hyperplasia, Epithelial				1										1		**19 1.4**
INTEGUMENTARY SYSTEM																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Galactocele																**14**
Hyperplasia	2	2		1	1						1			1	4	**51 1.9**

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1-4 .. Lesion qualified as:
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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 3.0W/kg(GSM)chr / ANIMAL ID	0619	0741	0545	0737	0740	0450	0739	0142	0640	0741	0706	0669	0482	0740	0579	* TOTALS	
	01114	01115	01116	01117	01118	01119	01120	01122	01123	01124	01125	01127	01128	01129	01130		
Inflammation, Granulomatous																**1**	**2.0**
Duct, Dilation				1	2					1		1	2	2		**55**	**1.6**
Lymphatic, Dilation																**1**	**3.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Ulcer																**1**	**2.0**
Subcutaneous Tissue, Edema	2															**1**	**2.0**
Subcutaneous Tissue, Inflammation, Chronic Active	2															**1**	**2.0**
MUSCULOSKELETAL SYSTEM																	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Fibrosis																**1**	**1.0**
Fibrous Osteodystrophy																**2**	**2.5**
Increased Bone																**1**	**2.0**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Degeneration																**4**	**1.0**
NERVOUS SYSTEM																	
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Compression					1						2			1	2	**18**	**1.6**
Mineral																**1**	**1.0**
Glial Cell, Hyperplasia																**1**	**4.0**
Meninges, Hyperplasia, Granular Cell																**1**	**3.0**
Pineal Gland, Mineral												1				**3**	**1.0**
Pineal Gland, Vacuolation, Cytoplasmic																**2**	**1.0**
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**	

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1-4 .. Lesion qualified as:
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DAY ON TEST	0619	0741	0545	0737	0740	0450	0739	0142	0640	0741	0706	0669	0482	0740	0579	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
3.0W/kg(GSM)chr																
ANIMAL ID	01114	01115	01116	01117	01118	01119	01120	01122	01123	01124	01125	01127	01128	01129	01130	*** TOTALS**
Degeneration	2	2		3	1		1				1	2		3		**65 2.1**
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2	2	1	2	2		1		2	1	1	1	1	1	1	**81 1.4**
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2	2	1	2	2	1	2		1	1	1	1	1			**80 1.5**
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration		1		1	1		1		1							**43 1.0**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	1									1						**13 1.3**
Nerve, Degeneration	1	2	1	3	3	1	3			2	1					**70 2.0**
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration		2		2	2		1		1	2	2			1		**61 1.7**
Trigeminal Ganglion	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	**80**
Degeneration				1						1						**28 1.0**
RESPIRATORY SYSTEM																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion								3					2			**5 2.2**
Hemorrhage	1															**4 1.3**
Inflammation, Granulomatous																**3 1.3**
Inflammation, Chronic Active	1															**9 1.3**
Alveolar Epithelium, Metaplasia, Squamous																**1 1.0**
Alveolus, Infiltration Cellular, Histiocyte	1	1	1	1		1	2		2	3			2	2	1	**83 1.6**

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0619	0741	0545	0737	0740	0450	0739	0142	0640	0741	0706	0669	0482	0740	0579		
HARLAN SPRAGUE DAWLEY RATS FEMALE																	
3.0W/kg(GSM)chr																	
ANIMAL ID	01114	01115	01116	01117	01118	01119	01120	01122	01123	01124	01125	01127	01128	01129	01130	*** TOTALS**	
Alveolus, Pigment				1			2									**2**	**1.5**
Bronchiole, Hyperplasia																**1**	**2.0**
Epithelium Alveolus, Hyperplasia										2						**6**	**1.7**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Foreign Body																**1**	
Inflammation, Suppurative																**3**	**1.0**
Inflammation, Acute																**1**	**1.0**
Inflammation, Chronic Active																**1**	**2.0**
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	2	3	3	3	3	3		2	2	2	3	2	4	3	**88**	**2.4**
Olfactory Epithelium, Atrophy																**1**	**1.0**
Olfactory Epithelium, Metaplasia, Respiratory																**1**	**1.0**
Respiratory Epithelium, Accumulation, Hyaline Droplet												1				**10**	**1.0**
Respiratory Epithelium, Hyperplasia																**1**	**2.0**
Respiratory Epithelium, Metaplasia, Squamous																**2**	**1.5**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**	
SPECIAL SENSES SYSTEM																	
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**	
Retina, Atrophy		1					1							2	2	**16**	**1.1**
Sclera, Inflammation, Acute																**1**	**1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Atrophy					1					1						**15**	**1.1**
Hyperplasia																**1**	**3.0**
Inflammation, Granulomatous																**9**	**1.0**

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DAY ON TEST / ANIMAL ID	0619 0114	0741 0115	0545 0116	0737 0117	0740 0118	0450 0119	0739 0120	0142 0122	0640 0123	0741 0124	0706 0125	0669 0127	0482 0128	0740 0129	0579 0130	* TOTALS	
Inflammation, Chronic																**1**	**1.0**
Inflammation, Chronic Active						1										**2**	**1.0**
URINARY SYSTEM																	
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Inflammation, Chronic Active																**1**	**1.0**
Nephropathy, Chronic Progressive		2	1				1	1	1		1		1	1	1	**68**	**1.2**
Pelvis, Dilation																**1**	**3.0**
Renal Tubule, Accumulation, Hyaline Droplet																**1**	**3.0**
Renal Tubule, Cyst																**1**	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Hemorrhage																**1**	**4.0**
Inflammation, Acute																**1**	**4.0**

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DAY ON TEST	054	073	074	065	054	062	074	073	066	073	073	068	074	073	074	073	074	074	074	020	074	074	074	048	073	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	5	8	1	6	8	2	1	8	9	9	9	7	0	9	1	7	0	4	0	0	0	4	1	9	8	8	
6.0W/kg(GSM)chr ANIMAL ID	01237	01238	01240	01241	01242	01243	01244	01245	01246	01247	01248	01249	01250	01251	01252	01253	01254	01255	01256	01257	01258	01259	01260	01261	01262	**females (cont...)**	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Large, Cecum	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Large, Colon	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Large, Rectum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia, Lymphocyte																											
Inflammation, Acute																											
Necrosis																											
Epithelium, Hyperplasia																											
Intestine Small, Duodenum	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+		
Ectopic Tissue																		X									
Intestine Small, Ileum	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+		
Necrosis, Lymphoid																			1								
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Angiectasis																					1			1			
Basophilic Focus									X												X						
Clear Cell Focus							X																	X			
Eosinophilic Focus		X						X							X					X		X					
Extramedullary Hematopoiesis	1	1				1											1						1				
Infiltration Cellular, Mixed Cell																			1								
Inflammation, Acute																											

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HARLAN SPRAGUE DAWLEY RATS FEMALE
6.0W/kg(GSM)chr

DAY ON TEST	054	073	074	065	054	062	074	073	066	073	073	068	074	073	074	073	074	074	020	074	074	074	048	073	073
ANIMAL ID	01237	01238	01240	01241	01242	01243	01244	01245	01246	01247	01248	01249	01250	01251	01252	01253	01254	01255	01256	01257	01258	01259	01260	01261	01262
Mixed Cell Focus							X				X			X				X			X	X		X	
Bile Duct, Cyst									X		X														
Bile Duct, Hyperplasia							2											1	2						
Centrilobular, Hepatocyte, Necrosis				2																					
Hepatocyte, Hypertrophy																	1					1			
Hepatocyte, Necrosis					2							3					1		1						
Hepatocyte, Vacuolation, Cytoplasmic																									
Periductal, Cholangiofibrosis																									
Mesentery														+				+			+				
Necrosis														2				3							
Artery, Inflammation, Chronic Active																					4				
Pancreas	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy						1																			
Acinus, Hyperplasia													1												
Artery, Inflammation, Chronic Active																					4				
Periductal, Cholangiofibrosis						2																			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Duct, Parotid Gland, Dilation																									2
Parotid Gland, Atrophy																									3
Parotid Gland, Inflammation, Acute													1												
Parotid Gland, Vacuolation, Cytoplasmic																									
Sublingual Gland, Atrophy																									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer				1																					
Epithelium, Hyperplasia		3		3				3																	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 6.0W/kg(GSM)chr / ANIMAL ID	0545 0117	0738 0123	0741 0124	0656 0125	0548 0124	0622 0124	0741 0124	0738 0124	0669 0124	0739 0124	0739 0124	0687 0124	0740 0125	0739 0125	0741 0125	0737 0125	0740 0125	0744 0125	0290 0125	0740 0125	0744 0125	0741 0125	0489 0126	0738 0126	0738 0126	**females (cont...)**
Epithelium, Hyperplasia, Basal Cell																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1					1		1			1	2	1		1		1								1	
Myocardium, Necrosis																			1							
Myocardium, Schwann Cell, Hyperplasia																										
Ventricle Right, Cardiomyopathy		1						2			1		1													
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																									X	
Degeneration, Cystic						1	1	2	2	2			3		1							2				
Hyperplasia	1	3														2						2				
Hypertrophy	1	2	1			2	2	3		1	1		1	1	1		1	2		1		1		1		
Necrosis																										
Vacuolation, Cytoplasmic		1														1		1								
Adrenal Medulla	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	
Hyperplasia						1	1		1		1		1	4	4		3	1			1			2		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	+	I	M	M	M	+	+	+	M	+	+	+	+	+	M	M	+	+	+	+	+	+	+	

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DAY ON TEST	054	073	074	065	054	062	074	073	066	073	073	068	074	073	074	073	074	074	029	074	074	074	048	073	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	8	8	1	6	8	2	1	8	9	9	9	7	0	9	1	7	0	4	0	0	4	1	9	8	8	
6.0W/kg(GSM)chr ANIMAL ID	012 37	012 38	012 40	012 41	012 42	012 43	012 44	012 45	012 46	012 47	012 48	012 49	012 50	012 51	012 52	012 53	012 54	012 55	012 56	012 57	012 58	012 59	012 60	012 61	012 62	**females (cont...)**
Fibrosis															1											
Hyperplasia																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst				X					X												X					
Pars Distalis, Hyperplasia	3				2				3		2				1						2					
Pars Intermedia, Cyst																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia	4	2	1	2		1				1	2		1	4	1		2	2			2	1			1	
Follicle, Cyst																										
GENERAL BODY SYSTEM																										
Tissue NOS																	+								+	
Fat, Necrosis																	3								3	
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Granulomatous																										
Inflammation, Acute																										
Inflammation, Chronic Active			1								1				2	2	3			3	2	2	2	2		
Duct, Dilation						2	3				3		3	1		3	1					1		3		
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2		4	2	3	3		4	2	4	4		4	4	4	1	4		3	4	4	4	3	3		
Cyst			X	X				X					X							X		X		X	X	
Inflammation, Chronic																										
Inflammation, Chronic Active																										

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DAY ON TEST	054	073	074	065	054	062	074	073	066	073	073	068	074	073	074	073	074	074	074	029	074	074	074	048	073	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	5	8	1	6	8	2	1	8	9	9	9	7	0	9	1	7	0	4	0	0	0	4	1	9	8	8	
6.0W/kg(GSM)chr	01237	01238	01240	01241	01242	01243	01244	01245	01246	01247	01248	01249	01250	01251	01252	01253	01254	01255	01256	01257	01258	01259	01260	01261	01262	**females (cont...)**
ANIMAL ID																											
Necrosis																											
Bursa, Dilation																											
Periovarian Tissue, Inflammation, Chronic Active																											
Rete Ovarii, Hyperplasia											4							3							3		
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenomyosis																											
Cyst			X																								
Dilation					4												4		3								
Hemorrhage					3																						
Hyperplasia, Stromal																			2								
Inflammation, Suppurative			1														2								1		
Inflammation, Acute																			1								
Inflammation, Chronic Active																											
Pigment																											
Thrombus																											
Artery, Inflammation, Chronic Active																					2						
Cervix, Hyperplasia, Stromal																											
Endometrium, Hyperplasia, Cystic	1			2		2				1	2		1	1	1						4	2			1		
Epithelium, Metaplasia, Squamous	1							2		2	1				1		4				1		1				
Vagina																											
Inflammation, Chronic Active																											
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	4	4	1	4	4	4					1	4	4			3	4		2	4	4	4	4	2	4		
Myelofibrosis																											

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HARLAN SPRAGUE DAWLEY RATS FEMALE
6.0W/kg(GSM)chr

DAY ON TEST	0545	0738	0741	0656	0548	0622	0741	0738	0669	0739	0739	0687	0740	0739	0741	0737	0740	0744	0744	0290	0740	0744	0741	0489	0738	0738
ANIMAL ID	01237	01238	01240	01241	01242	01243	01244	01245	01246	01247	01248	01249	01250	01251	01252	01253	01254	01255	01256	01256	01257	01258	01259	01260	01261	01262
females (cont...)																										
Lymph Node					+							+	+													+
Axillary, Hyperplasia, Lymphocyte																										
Axillary, Proliferation, Plasma Cell																										
Deep Cervical, Fibrosis																										
Deep Cervical, Inflammation, Chronic Active																										
Iliac, Congestion												2														
Iliac, Erythrophagocytosis																										
Iliac, Hyperplasia, Lymphocyte													1													
Iliac, Pigment					2																					
Lumbar, Erythrophagocytosis																										
Mediastinal, Erythrophagocytosis																										1
Mediastinal, Hyperplasia, Lymphocyte																										
Renal, Erythrophagocytosis																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion																										
Erythrophagocytosis											2															
Hyperplasia, Lymphocyte	2	1	1	1		1			1	1	1			1	2	1	1	1	1	1	1	1	1		1	
Hyperplasia, Reticulum Cell																										
Proliferation, Plasma Cell	2	2	1	2		2		1	3	1	2		2		2	1	1	1	2	1	1	2	2	2		
Lymphatic Sinus, Ectasia																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erythrophagocytosis																										
Hyperplasia, Lymphocyte																										
Infiltration Cellular, Histiocyte																			2							
Necrosis, Lymphocyte																			3							
Pigment																										

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DAY ON TEST	054	073	074	065	054	062	074	073	066	073	073	068	074	073	074	073	074	074	029	074	074	074	048	073	073
HARLAN SPRAGUE DAWLEY RATS FEMALE	8	8	1	6	8	2	1	8	9	9	9	7	0	9	1	7	0	4	0	0	4	1	9	8	8
6.0W/kg(GSM)chr ANIMAL ID	01237	01238	01240	01241	01242	01243	01244	01245	01246	01247	01248	01249	01250	01251	01252	01253	01254	01255	01256	01257	01258	01259	01260	01261	01262	**females (cont...)**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	3	4	2	3	3	3	2	2		3	2	3	3	2	2	3	3	2		2	3	1	3	3		
Pigment			2				3	2	2	1	1			2	1				3							
Red Pulp, Atrophy									2																	
White Pulp, Atrophy																			2							
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1	3	1	4		2	2	1	4	2	1	2	2		2	2	2	2		1	1	2	1	2	1	
Cyst			X			X		X		X	X		X	X	X		X			X	X					
Ectopic Thyroid																										
Hemorrhage																										
Hyperplasia, Epithelial			1					1		3					1	1				1	2					
Necrosis, Lymphocyte																			2							
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele	X				X			X	X																	
Hyperplasia					1		3	1			1	3				2	2	2			4			3	3	
Hyperplasia, Atypical			1																							
Duct, Dilation	2		1	1	2	1		1	1	2	2			2	1		2			1	2	1			1	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Subcutaneous Tissue, Edema																										
Subcutaneous Tissue, Inflammation, Chronic Active																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 6.0W/kg(GSM)chr / ANIMAL ID	0545 0123 7	0738 0123 8	0741 0124 0	0656 0124 1	0548 0124 2	0622 0124 3	0741 0124 4	0738 0124 5	0669 0124 6	0739 0124 7	0739 0124 8	0687 0124 9	0740 0125 0	0739 0125 1	0741 0125 2	0737 0125 3	0740 0125 4	0744 0125 5	0290 0125 6	0740 0125 7	0744 0125 8	0741 0125 9	0489 0126 0	0738 0126 1	0738 0126 2	**females (cont...)**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2																									
Mineral																											
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression								1																		2	
Cyst																											
Edema																											
Hemorrhage																											
Necrosis																											
Pineal Gland, Mineral																											
Pineal Gland, Vacuolation, Cytoplasmic																											
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1	2	1	2		1		2	2	3	1	2	3	2	1	2	3	3		2	2	1	1	3	2		
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	4	2	1	1	1	1	1	2	1	1	1	1	2	2	1	1	1		1	2	2	1	2	3		
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+		
Degeneration	2	3	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	2		1	2	1		2	2		
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		1							1					1	1	1	1	1				1		1	1		
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																											
Degeneration								1	1			1			1						1						

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 6.0W/kg(GSM)chr / ANIMAL ID	0545 0123 7	0738 0123 8	0741 0124 0	0656 0124 1	0548 0124 2	0622 0124 3	0741 0124 4	0738 0124 5	0669 0124 6	0739 0124 7	0739 0124 8	0687 0124 9	0740 0125 0	0739 0125 1	0741 0125 2	0737 0125 3	0740 0125 4	0744 0125 5	0290 0125 6	0740 0125 7	0744 0125 8	0741 0125 9	0489 0126 0	0738 0126 1	0738 0126 2	females (cont...)
Nerve, Degeneration		3	2	2	2	2	2	2	2	2	2	1	3	2	2	1	3	1		2	1	3		2	4	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2	1				2	2		2	1		1	1	1	1	3	2		1	2	2		2	2	
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	
Degeneration								1			1			1						1	1	1				
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Hemorrhage																								1		
Inflammation, Chronic Active	1							1					2													
Pigment																										
Alveolar Epithelium, Metaplasia, Squamous																										
Alveolus, Infiltration Cellular, Histiocyte	3	2	1	3	1	2	2			1	2	3	1	1	4	3	2	2		2	3	2	1	2	2	
Alveolus, Pigment		1																								
Epithelium Alveolus, Hyperplasia																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Inflammation, Acute																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	3	2	2	2	2	2	1	3	3	3	3	4	3	2	2	2	2	1	2	1	3	1	2	3	4	
Respiratory Epithelium, Accumulation, Hyaline Droplet				1																						
Trachea	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																					2					

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DAY ON TEST	054	073	074	065	054	062	074	073	066	073	073	068	074	073	074	073	074	074	029	074	074	074	048	073	073
HARLAN SPRAGUE DAWLEY RATS FEMALE	5	8	1	6	8	2	1	8	9	9	9	7	0	9	1	7	0	4	0	0	4	1	9	8	8
6.0W/kg(GSM)chr ANIMAL ID	0123	0123	0124	0124	0124	0124	0124	0124	0124	0124	0124	0124	0125	0125	0125	0125	0125	0125	0125	0125	0125	0125	0126	0126	0126	**females (cont...)**
	37	38	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	0	1	2	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Retina, Atrophy										1					1	1						1				
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		1					2	1									1	1			1	1				
Inflammation, Granulomatous							1																			
Inflammation, Chronic																										
Inflammation, Chronic Active					1			1																		
Zymbal's Gland																									+	
URINARY SYSTEM																										
Kidney	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Granulomatous																										
Mineral																										
Nephropathy, Chronic Progressive		1		1		1		1	1	1	1	1	1		1	1	1	1	1		1	2		1	1	
Artery, Inflammation, Chronic Active																					2					
Renal Tubule, Cyst																						X				
Renal Tubule, Hyperplasia, Atypical	2																									
Urothelium, Hyperplasia																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte																										
Infiltration Cellular, Mononuclear Cell									2																	

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DAY ON TEST	0740	0624	0745	0739	0283	0658	0737	0740	0744	0738	0645	0744	0741	0739	0299	0744	0737	0740	0370	0565	0737	0744	0738	0737	0739	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
6.0W/kg(GSM)chr																										
ANIMAL ID	01264	01265	01266	01267	01268	01270	01271	01272	01273	01274	01275	01276	01277	01278	01280	01281	01282	01283	01284	01286	01287	01288	01290	01291	01292	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphocyte								2																		
Inflammation, Acute				1																						
Necrosis				1																						
Epithelium, Hyperplasia				2																						
Intestine Small, Duodenum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Tissue																										
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Necrosis, Lymphoid																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis													1													
Basophilic Focus				X														X		X					X	
Clear Cell Focus													X					X								
Eosinophilic Focus	X		X	X						X						X	X	X				X	X	X		
Extramedullary Hematopoiesis			1																2							
Infiltration Cellular, Mixed Cell																			1							
Inflammation, Acute			1																							

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HARLAN SPRAGUE DAWLEY RATS FEMALE
6.0W/kg(GSM)chr

DAY ON TEST	0740	0624	0745	0739	0283	0658	0737	0740	0744	0738	0645	0744	0741	0739	0299	0744	0737	0740	0370	0565	0737	0744	0738	0737	0739	
ANIMAL ID	01264	01265	01266	01267	01268	01270	01271	01272	01273	01274	01275	01276	01277	01278	01280	01281	01282	01283	01284	01286	01287	01288	01290	01291	01292	**females (cont...)**
Mixed Cell Focus				X					X	X		X		X					X						X	
Bile Duct, Cyst									X								X									
Bile Duct, Hyperplasia				1		1						1														
Centrilobular, Hepatocyte, Necrosis																										
Hepatocyte, Hypertrophy			1																				1			
Hepatocyte, Necrosis		3	1																				1			
Hepatocyte, Vacuolation, Cytoplasmic											1														1	
Periductal, Cholangiofibrosis																										
Mesentery											+										+					
Necrosis																					2					
Artery, Inflammation, Chronic Active																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy			2																							
Acinus, Hyperplasia																									1	
Artery, Inflammation, Chronic Active																										
Periductal, Cholangiofibrosis																					1				2	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Duct, Parotid Gland, Dilation																										
Parotid Gland, Atrophy																							1			
Parotid Gland, Inflammation, Acute																										
Parotid Gland, Vacuolation, Cytoplasmic																	1									
Sublingual Gland, Atrophy																2										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ulcer											2															
Epithelium, Hyperplasia											2															

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 6.0W/kg(GSM)chr / ANIMAL ID	0740	0624	0745	0739	0283	0658	0737	0740	0744	0738	0645	0744	0741	0739	0299	0744	0737	0740	0370	0565	0737	0744	0738	0737	0739	females (cont...)
	01264	01265	01266	01267	01268	01270	01271	01272	01273	01274	01275	01276	01277	01278	01280	01281	01282	01283	01284	01286	01287	01288	01290	01291	01292	
Epithelium, Hyperplasia, Basal Cell																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy		2	2			1			1			1				1				1		1			1	
Myocardium, Necrosis																										
Myocardium, Schwann Cell, Hyperplasia																										
Ventricle Right, Cardiomyopathy											2												1	1	1	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule			X									X						X								
Degeneration, Cystic	1		4							1		1		3		2						2	2	1	2	
Hyperplasia				1						2	2		2					2				3			2	
Hypertrophy	1	2	2	1			1			1	2		2	1			2				2			2	1	
Necrosis			1																							
Vacuolation, Cytoplasmic									1														1			
Adrenal Medulla	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				1		2	1														2		1	2		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				1										4		1								2	1	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	

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DAY ON TEST	0740	0624	0745	0739	0283	0658	0737	0740	0744	0738	0645	0744	0741	0739	0299	0744	0737	0740	0370	0565	0737	0744	0738	0737	0739	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
6.0W/kg(GSM)chr																										
ANIMAL ID	01264	01265	01266	01267	01268	01270	01271	01272	01273	01274	01275	01276	01277	01278	01280	01281	01282	01283	01284	01286	01287	01288	01290	01291	01292	**females (cont...)**
Fibrosis								1														1	1			
Hyperplasia																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst							X																			
Pars Distalis, Hyperplasia		2		1					2	1											3	3				
Pars Intermedia, Cyst			X																							
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	
C-cell, Hyperplasia			2	2		1	2	2	1				1			2	1				1	1			2	
Follicle, Cyst													X													
GENERAL BODY SYSTEM																										
Tissue NOS								+											+				+		+	
Fat, Necrosis								3															2		3	
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	
Inflammation, Granulomatous																										
Inflammation, Acute														3												
Inflammation, Chronic Active	1		1				1	1	4	2			2		1	1	1	1					1			
Duct, Dilation	1	3	3	4			1		4		3			3		1	3	4				4		3		
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1		4		3	2	4	4	4		2	4	4			4	4	4		4			4	4		
Cyst						X				X				X		X				X	X	X		X		
Inflammation, Chronic																										
Inflammation, Chronic Active			4																							

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DAY ON TEST	074	062	074	073	028	065	073	074	074	073	064	074	074	073	029	074	073	074	030	056	073	074	073	073	073	
HARLAN SPRAGUE DAWLEY RATS FEMALE	0	4	5	9	3	8	7	0	4	8	5	4	1	9	9	4	7	0	0	5	7	4	8	7	9	
6.0W/kg(GSM)chr ANIMAL ID	0126	0126	0126	0126	0126	0127	0127	0127	0127	0127	0127	0127	0127	0127	0128	0128	0128	0128	0128	0128	0128	0128	0129	0129	0129	**females (cont...)**
	4	5	6	7	8	0	1	2	3	4	5	6	7	8	0	1	2	3	4	6	7	8	0	1	2	
Necrosis																										
Bursa, Dilation		2				3				2						3										
Periovarian Tissue, Inflammation, Chronic Active																				2						
Rete Ovarii, Hyperplasia													2								2		4			
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenomyosis																										
Cyst																		X			X			X		
Dilation																										
Hemorrhage																										
Hyperplasia, Stromal																										
Inflammation, Suppurative								1												2				2		
Inflammation, Acute																2										
Inflammation, Chronic Active																										
Pigment													1													
Thrombus																										
Artery, Inflammation, Chronic Active																										
Cervix, Hyperplasia, Stromal									2																	
Endometrium, Hyperplasia, Cystic					2	2	1	3				2	1			1	3						1			
Epithelium, Metaplasia, Squamous						2	1	3	2			1	1			1		1		3						
Vagina																										
Inflammation, Chronic Active																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	2	1	4		2		1	2		3	4								4	3	3	4	1	1		
Myelofibrosis															4											

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HARLAN SPRAGUE DAWLEY RATS FEMALE
6.0W/kg(GSM)chr

DAY ON TEST	074 0	062 4	074 5	073 9	028 3	065 8	073 7	074 0	074 4	073 8	064 5	074 4	074 1	073 9	029 9	074 4	073 7	074 0	037 0	056 5	073 7	074 4	073 8	073 7	073 9	
ANIMAL ID	012 64	012 65	012 66	012 67	012 68	012 70	012 71	012 72	012 73	012 74	012 75	012 76	012 77	012 78	012 80	012 81	012 82	012 83	012 84	012 86	012 87	012 88	012 90	012 91	012 92	**females (cont...)**
Lymph Node	+									+	+				+										+	
Axillary, Hyperplasia, Lymphocyte																										
Axillary, Proliferation, Plasma Cell																										
Deep Cervical, Fibrosis																										
Deep Cervical, Inflammation, Chronic Active																										
Iliac, Congestion																										
Iliac, Erythrophagocytosis										3																
Iliac, Hyperplasia, Lymphocyte										1																
Iliac, Pigment																										
Lumbar, Erythrophagocytosis																										
Mediastinal, Erythrophagocytosis																									2	
Mediastinal, Hyperplasia, Lymphocyte	1																									
Renal, Erythrophagocytosis										3																
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion											2															
Erythrophagocytosis												1														
Hyperplasia, Lymphocyte				1		2							1	1				1			2	2	1	1		
Hyperplasia, Reticulum Cell																										
Proliferation, Plasma Cell			1	1		2			1				1	1				1		1	2	1	1	1		
Lymphatic Sinus, Ectasia																3										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis																					2					
Hyperplasia, Lymphocyte								1																		
Infiltration Cellular, Histiocyte																										
Necrosis, Lymphocyte																										
Pigment																										

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 6.0W/kg(GSM)chr / ANIMAL ID	0740 01264	0624 01265	0745 01266	0739 01267	0283 01268	0658 01270	0737 01271	0740 01272	0744 01273	0738 01274	0645 01275	0744 01276	0741 01277	0739 01278	0299 01280	0744 01281	0737 01282	0740 01283	0370 01284	0565 01286	0737 01287	0744 01288	0738 01290	0737 01291	0739 01292	females (cont...)
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	2		4	2		2	2	2	2	3	2	2	3	2		2	1	2	4	2	3	4	2	2	3	
Pigment				2		2	3		1			1	3	2		2	1	2		2	2			2	2	
Red Pulp, Atrophy																										
White Pulp, Atrophy																										
Thymus	I	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	M	+	+	+	+	+	
Atrophy				2		1	2	1	1	1		2	1	2		1	2	2			1	2	2	2	1	
Cyst							X			X		X	X								X		X			
Ectopic Thyroid																										
Hemorrhage																										
Hyperplasia, Epithelial							2					1	1	1										1		
Necrosis, Lymphocyte																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele																					X					
Hyperplasia	4			4					2				1	2								4			2	
Hyperplasia, Atypical																										
Duct, Dilation		1	2			2	1	1	1		1		1				2	1		1		1	2	1		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Subcutaneous Tissue, Edema																										
Subcutaneous Tissue, Inflammation, Chronic Active																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST / ANIMAL ID	0740 0124	0624 0125	0745 0126	0739 0126	0283 0126	0658 0127	0737 0127	0740 0127	0744 0127	0738 0127	0645 0127	0744 0127	0741 0127	0739 0127	0299 0128	0744 0128	0737 0128	0740 0128	0370 0128	0565 0128	0737 0128	0744 0128	0738 0128	0737 0129	0739 0129	**females (cont...)**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration							1																		1	
Mineral											1															
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression						2																				
Cyst																										
Edema											1															
Hemorrhage						1																				
Necrosis											1															
Pineal Gland, Mineral																					1					
Pineal Gland, Vacuolation, Cytoplasmic																										
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2		1	2		2	2	1	3	3	2	2	3	2		3	2	3		3	3	2	2	3	3	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	3	1	2	2		1	2	1	2	1	2	3	2	1		2	3	1		1	2	1	2	1	2	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	2	1	2	2		1	2	2	2	1	2	3	2	1		2	3	1	1	1	2	1	2	1	2	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration	1					1	1				1	1						1								
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																X										
Degeneration		1									1									1		1				

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 6.0W/kg(GSM)chr / ANIMAL ID	0740 01264	0624 01265	0745 01266	0739 01267	0283 01268	0658 01270	0737 01271	0740 01272	0744 01273	0738 01274	0645 01275	0744 01276	0741 01277	0739 01278	0299 01280	0744 01281	0737 01282	0740 01283	0370 01284	0565 01286	0737 01287	0744 01288	0738 01290	0737 01291	0739 01292	females (cont...)
Nerve, Degeneration	3	2	3	1		2	3	3	2	1	1	2	3	3		2	2	2		2	2	2	3	2	2
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration	2		2	2		1	2	2	1	2	2	2	3	1		2	2	2			2	2	1	1	2
Trigeminal Ganglion	+	+	+	M	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	M	+	+	+
Degeneration							1					1				1				1				1	
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion						2																			
Hemorrhage																									
Inflammation, Chronic Active																									
Pigment																									
Alveolar Epithelium, Metaplasia, Squamous							1																		
Alveolus, Infiltration Cellular, Histiocyte	1	2	1	1	1	3	3	1	1	1	1	2	2			2	2	2	2	3	1	1	2	2	1
Alveolus, Pigment																									
Epithelium Alveolus, Hyperplasia													2												
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative																									
Inflammation, Acute																									
Olfactory Epithelium, Accumulation, Hyaline Droplet		2	1	2	2	4	2	1	2		2	2	1	3	2	2	1	3	2	1	1		2	1	3
Respiratory Epithelium, Accumulation, Hyaline Droplet															1										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Artery, Inflammation, Chronic Active																									

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DAY ON TEST	0740	0624	0745	0739	0283	0658	0737	0740	0744	0738	0645	0744	0741	0739	0299	0744	0737	0740	0370	0565	0737	0744	0738	0737	0739	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
6.0W/kg(GSM)chr																										
ANIMAL ID	01264	01265	01266	01267	01268	01270	01271	01272	01273	01274	01275	01276	01277	01278	01280	01281	01282	01283	01284	01286	01287	01288	01290	01291	01292	**females (cont...)**
SPECIAL SENSES SYSTEM																										
Eye	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Retina, Atrophy						1	1					1						1								
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1		1						1	2		1		1							1				
Inflammation, Granulomatous									1			1									1				
Inflammation, Chronic																		1							
Inflammation, Chronic Active																									
Zymbal's Gland																									
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Granulomatous																		1								
Mineral																		1								
Nephropathy, Chronic Progressive			1	1	1	3	4				2	1	1	1	1		1		2	1		1	1	1	1	
Artery, Inflammation, Chronic Active																										
Renal Tubule, Cyst																										
Renal Tubule, Hyperplasia, Atypical																										
Urothelium, Hyperplasia						2																				
Urinary Bladder	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte						2																				
Infiltration Cellular, Mononuclear Cell																										

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DAY ON TEST	074	072	073	074	074	059	060	074	062	073	073	073	074	064	074	074	074	066	073	065	054	074	074	070	074
HARLAN SPRAGUE DAWLEY RATS FEMALE	4	0	9	4	4	4	0	1	4	8	8	9	0	1	0	1	1	9	9	1	5	1	0	2	1
6.0W/kg(GSM)chr	012	012	012	012	012	012	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013
ANIMAL ID	944	955	966	977	988	999	000	011	033	044	055	066	077	088	099	101	110	111	122	167	188	199	200	211	222
females (cont...)																									
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphocyte																									
Inflammation, Acute																									
Necrosis																									
Epithelium, Hyperplasia																									
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Ectopic Tissue																									
Intestine Small, Ileum	+	+	+	+	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+
Necrosis, Lymphoid																									
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis					1					3												1			
Basophilic Focus															X					X					
Clear Cell Focus					X										X										
Eosinophilic Focus									X								X					X			
Extramedullary Hematopoiesis		1																		1				1	
Infiltration Cellular, Mixed Cell																									
Inflammation, Acute																									

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HARLAN SPRAGUE DAWLEY RATS FEMALE
6.0W/kg(GSM)chr

DAY ON TEST	074	072	073	074	074	059	060	074	062	073	073	073	074	064	074	074	074	066	073	065	054	074	074	070	074
ANIMAL ID	01294	01295	01296	01297	01298	01299	01300	01301	01303	01304	01305	01306	01307	01308	01309	01310	01311	01312	01316	01317	01318	01319	01320	01321	01322
Mixed Cell Focus			X	X	X				X	X	X		X					X	X		X		X		
Bile Duct, Cyst														X	X										X
Bile Duct, Hyperplasia														1										1	1
Centrilobular, Hepatocyte, Necrosis														3											
Hepatocyte, Hypertrophy																				2					
Hepatocyte, Necrosis						1																			
Hepatocyte, Vacuolation, Cytoplasmic																									
Periductal, Cholangiofibrosis					2																				
Mesentery																									
Necrosis																									
Artery, Inflammation, Chronic Active																									
Pancreas	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy						1																			1
Acinus, Hyperplasia																									
Artery, Inflammation, Chronic Active																									
Periductal, Cholangiofibrosis																	1								
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Duct, Parotid Gland, Dilation																									
Parotid Gland, Atrophy				2																					
Parotid Gland, Inflammation, Acute																									
Parotid Gland, Vacuolation, Cytoplasmic																									
Sublingual Gland, Atrophy										2															
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																									
Epithelium, Hyperplasia	1					1												1						2	

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DAY ON TEST / ANIMAL ID	0744 0129 4	0720 0129 5	0739 0129 6	0744 0129 7	0744 0129 8	0594 0129 9	0600 0130 0	0741 0130 1	0624 0130 3	0738 0130 4	0738 0130 5	0739 0130 6	0740 0130 7	0641 0130 8	0740 0130 9	0741 0131 0	0741 0131 1	0669 0131 2	0739 0131 6	0651 0131 7	0545 0131 8	0741 0131 9	0740 0132 0	0702 0132 1	0741 0132 2	females (cont...)
Epithelium, Hyperplasia, Basal Cell				1																						
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
CARDIOVASCULAR SYSTEM																										
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1		1						1												1				1	
Myocardium, Necrosis																										
Myocardium, Schwann Cell, Hyperplasia																										
Ventricle Right, Cardiomyopathy			1	1			2	1	1							1										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																										
Degeneration, Cystic	1	3			2				1	2												1				
Hyperplasia		1						1							1	1	1		1		2	1				
Hypertrophy	1	2		1		2		1		2	2			1	1	1	1	2	1	2	3	2	1	2	1	
Necrosis																										
Vacuolation, Cytoplasmic										1																
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	
Hyperplasia		1	3					2		2													1			
Islets, Pancreatic	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			3							2	1		1													
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	074	072	073	074	074	059	060	074	062	073	073	073	074	064	074	074	074	066	073	065	054	074	074	070	074	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
6.0W/kg(GSM)chr ANIMAL ID	01294	01295	01296	01297	01298	01299	01300	01301	01303	01304	01305	01306	01307	01308	01309	01310	01311	01312	01316	01317	01318	01319	01320	01321	01322	**females (cont...)**
Fibrosis									1								2									
Hyperplasia																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst																										
Pars Distalis, Hyperplasia		1			3				3	1		2		1									3			
Pars Intermedia, Cyst												X														
Thyroid Gland	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia			2	2	1	2					1	3	2				1		2			1		1	2	
Follicle, Cyst																										
GENERAL BODY SYSTEM																										
Tissue NOS																+										
Fat, Necrosis																2										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Granulomatous																										
Inflammation, Acute																										
Inflammation, Chronic Active	2						2	3			1				1	2	1	2			1		2		2	
Duct, Dilation	2	4		4	2			2			3			2		3	3				2		2		3	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	4	2	4	4	4	3	3	4	2		4	4	4	3	4	4	4		4	3	2	4	4	4	4	
Cyst	X	X					X				X								X	X	X	X		X		
Inflammation, Chronic	2																									
Inflammation, Chronic Active																										

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2) Mild 4) Marked

DAY ON TEST	074	072	073	074	074	059	060	074	062	073	073	073	074	064	074	074	074	066	073	065	054	074	074	070	074	
HARLAN SPRAGUE DAWLEY RATS FEMALE	4	0	9	4	4	4	0	1	4	8	8	9	0	1	0	1	1	9	9	1	5	1	0	2	1	
6.0W/kg(GSM)chr ANIMAL ID	01294	01295	01296	01297	01298	01299	01300	01301	01303	01304	01305	01306	01307	01308	01309	01310	01311	01312	01316	01317	01318	01319	01320	01321	01322	**females (cont...)**
Necrosis																						2				
Bursa, Dilation										4														3		
Periovarian Tissue, Inflammation, Chronic Active																										
Rete Ovarii, Hyperplasia				1												1							1			
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenomyosis																2										
Cyst																							X			
Dilation																				4						
Hemorrhage																										
Hyperplasia, Stromal			1													1										
Inflammation, Suppurative								1								2	1		1							
Inflammation, Acute																										
Inflammation, Chronic Active																				2						
Pigment																										
Thrombus		3																								
Artery, Inflammation, Chronic Active																										
Cervix, Hyperplasia, Stromal																										
Endometrium, Hyperplasia, Cystic	2	2		1	1						2	2	1		2	2	1		2						1	
Epithelium, Metaplasia, Squamous	1		1	2	1			4	1	1	1		2	1	1	3	3		2	4	1		2		2	
Vagina																										
Inflammation, Chronic Active																										

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity		4									3	1	2	3				3		4	4	4	1	4		
Myelofibrosis																										

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HARLAN SPRAGUE DAWLEY RATS FEMALE
6.0W/kg(GSM)chr

DAY ON TEST	074	072	073	074	074	059	060	074	062	073	073	073	074	064	074	074	074	066	073	065	054	074	074	070	074	
ANIMAL ID	01294	01295	01296	01297	01298	01299	01300	01301	01303	01304	01305	01306	01307	01308	01309	01310	01311	01312	01316	01317	01318	01319	01320	01321	01322	**females (cont...)**
Lymph Node																				+		+				
Axillary, Hyperplasia, Lymphocyte																						2				
Axillary, Proliferation, Plasma Cell																						1				
Deep Cervical, Fibrosis																										
Deep Cervical, Inflammation, Chronic Active																										
Iliac, Congestion																										
Iliac, Erythrophagocytosis																				3						
Iliac, Hyperplasia, Lymphocyte																										
Iliac, Pigment																										
Lumbar, Erythrophagocytosis																				3						
Mediastinal, Erythrophagocytosis																										
Mediastinal, Hyperplasia, Lymphocyte																										
Renal, Erythrophagocytosis																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Erythrophagocytosis																								2		
Hyperplasia, Lymphocyte	2	2	2	1		1	1		1	1	1	1	2	1		2	1	2					1		2	
Hyperplasia, Reticulum Cell																								4		
Proliferation, Plasma Cell	2	2	2	1	1	3	2		1	2	2	1				2	2	2		1				2	2	
Lymphatic Sinus, Ectasia																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erythrophagocytosis										1						1										
Hyperplasia, Lymphocyte																										
Infiltration Cellular, Histiocyte																										
Necrosis, Lymphocyte																										
Pigment							1																			

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DAY ON TEST	074	072	073	074	074	059	060	074	062	073	073	073	074	064	074	074	074	066	073	065	054	074	074	070	074	
HARLAN SPRAGUE DAWLEY RATS FEMALE	4	0	9	4	4	4	0	1	4	8	8	9	0	1	0	1	1	9	9	1	5	1	0	2	1	
6.0W/kg(GSM)chr ANIMAL ID	012	012	012	012	012	012	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	**females (cont...)**
	944	955	966	977	988	999	000	011	033	044	055	066	077	088	099	100	111	122	166	177	188	199	200	211	222	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	2	4	1		1			1	1	1	1	1	1	3	2	2	2	3	2	3	2	3	2	4	1	
Pigment	2		3	2	3	1	3	3		2	3	1	1		3	3	3		3				2		1	
Red Pulp, Atrophy																										
White Pulp, Atrophy																										
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1	2	1	1	1			1		1	1			2			2	4	1					1		
Cyst	X	X		X	X								X		X		X			X		X		X		
Ectopic Thyroid					X																					
Hemorrhage							1		2					1												
Hyperplasia, Epithelial		2			1												2							1		
Necrosis, Lymphocyte																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele									X	X							X							X		
Hyperplasia				2						2								4						1		
Hyperplasia, Atypical			2						1																	
Duct, Dilation	1		1	2	3	2	1	2	1	1	1		1		1	1			1	1		1	1	1	2	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Subcutaneous Tissue, Edema														1												
Subcutaneous Tissue, Inflammation, Chronic Active														1												
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	074	072	073	074	074	059	060	074	062	073	073	073	074	064	074	074	074	066	073	065	054	074	074	070	074
HARLAN SPRAGUE DAWLEY RATS FEMALE	4	0	9	4	4	4	0	1	4	8	8	9	0	1	0	1	1	9	9	1	5	1	0	2	1
6.0W/kg(GSM)chr	012	012	012	012	012	012	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013
ANIMAL ID	944	955	966	977	988	999	000	011	033	044	055	066	077	088	099	110	111	112	116	117	118	119	120	211	222
females (cont...)																									
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration																									
Mineral																									
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression				2		4										2								2	1
Cyst																								X	
Edema			2																						
Hemorrhage																									
Necrosis																									
Pineal Gland, Mineral																									
Pineal Gland, Vacuolation, Cytoplasmic																									
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration	2	2	3	3	1	2		3			3	1	2		1	3	3	2	2	2	2	1	3	1	2
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration	1	2	2	1	2	1		3	1	2	1	1	2	1	2	2	2	2	2	1	1	2	2	2	2
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration	1	2	2	2	2	1		1	1	2	1	1	2		1	1	2	2	2	1	1	2	2	1	1
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration			1					1						1	1	1									
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Degeneration																		1						2	

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HARLAN SPRAGUE DAWLEY RATS FEMALE 6.0W/kg(GSM)chr	DAY ON TEST	074	072	073	074	074	059	060	074	062	073	073	073	074	064	074	074	074	066	073	065	054	074	074	070	074
	ANIMAL ID	012	012	012	012	012	012	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013
		944	955	966	977	988	999	000	011	033	044	055	066	077	088	099	101	110	111	112	116	117	118	199	200	211	222	**females (cont...)**
Nerve, Degeneration		1	1	3	2	4	2	2	2	3	2	2	1	3		3	2	2	3	3	1	1	2	3		2	
Spinal Cord, Thoracic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration		2	1	2	2	2		1	2		3		2	2	1	2	2	1		2			1	1	1	2		
Trigeminal Ganglion		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration					1														1		1							
RESPIRATORY SYSTEM																												
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion								2		1																		
Hemorrhage														1														
Inflammation, Chronic Active		1	1																				1				1	
Pigment																								1				
Alveolar Epithelium, Metaplasia, Squamous																												
Alveolus, Infiltration Cellular, Histiocyte		2	2	1	2	1	3	3	3	3	2	1	2	2	1	1	1	1		2	3	2	3	2	1	1	
Alveolus, Pigment																												
Epithelium Alveolus, Hyperplasia																1												
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																												
Inflammation, Acute																												
Olfactory Epithelium, Accumulation, Hyaline Droplet		2	1	1	2	2	2	3	2	3	3	1	4	2	3	3	3	1	2	2	1	3	3	1	2	1		
Respiratory Epithelium, Accumulation, Hyaline Droplet															1				1			1	1	1				
Trachea		+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic Active																												

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DAY ON TEST	074	072	073	074	074	059	060	074	062	073	073	073	074	064	074	074	074	066	073	065	054	074	074	070	074
HARLAN SPRAGUE DAWLEY RATS FEMALE	4	0	9	4	4	4	0	1	4	8	8	9	0	1	0	1	1	9	9	1	5	1	0	2	1
6.0W/kg(GSM)chr	012	012	012	012	012	012	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013	013
ANIMAL ID	944	955	966	977	988	999	000	011	033	044	055	066	077	088	099	101	111	121	161	177	188	199	200	211	222
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Retina, Atrophy	1										1	1			1	1									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy				1							1		1						1			1	2		1
Inflammation, Granulomatous																			1			1			
Inflammation, Chronic																									
Inflammation, Chronic Active																									
Zymbal's Gland																									
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Granulomatous																									
Mineral																									
Nephropathy, Chronic Progressive		1	1			1	1	1	2	1		1		1	1	1				1			1		1
Artery, Inflammation, Chronic Active																									
Renal Tubule, Cyst																									
Renal Tubule, Hyperplasia, Atypical																									
Urothelium, Hyperplasia																									
Urinary Bladder	+	+	+	+	+	+	A	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Histiocyte																									
Infiltration Cellular, Mononuclear Cell																									

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DAY ON TEST	073 7	044 3	073 8	066 9	051 4	069 7	048 7	073 8	074 4	059 3	030 0	074 0	073 9	072 7	072 0	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
6.0W/kg(GSM)chr ANIMAL ID	013 23	013 24	013 26	013 27	013 28	013 29	013 30	013 31	013 32	013 33	013 35	013 37	013 38	013 39	013 40	*** TOTALS**
ALIMENTARY SYSTEM																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**84**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Hyperplasia, Lymphocyte																**1 2.0**
Inflammation, Acute																**1 1.0**
Necrosis																**1 1.0**
Epithelium, Hyperplasia																**1 2.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**85**
Ectopic Tissue																**1**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**83**
Necrosis, Lymphoid																**1 1.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**84**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Angiectasis																**6 1.3**
Basophilic Focus																**8**
Clear Cell Focus																**6**
Eosinophilic Focus		X		X				X		X				X		**23**
Extramedullary Hematopoiesis							1		1							**12 1.1**
Infiltration Cellular, Mixed Cell																**2 1.0**
Inflammation, Acute																**1 1.0**

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HARLAN SPRAGUE DAWLEY RATS FEMALE

6.0W/kg(GSM)chr

DAY ON TEST	073 7	044 3	073 8	066 9	051 4	069 7	048 7	073 8	074 4	059 3	030 0	074 0	073 9	072 7	072 0	
ANIMAL ID	0133 23	0133 24	0133 26	0133 27	0133 28	0133 29	0133 30	0133 31	0133 32	0133 33	0133 35	0133 37	0133 38	0133 39	0134 40	*** TOTALS**
Mixed Cell Focus	X		X									X				**28**
Bile Duct, Cyst						X										**8**
Bile Duct, Hyperplasia																**9 1.2**
Centrilobular, Hepatocyte, Necrosis																**2 2.5**
Hepatocyte, Hypertrophy													2			**6 1.3**
Hepatocyte, Necrosis																**8 1.6**
Hepatocyte, Vacuolation, Cytoplasmic												1				**3 1.0**
Periductal, Cholangiofibrosis																**1 2.0**
Mesentery																**5**
Necrosis																**3 2.3**
Artery, Inflammation, Chronic Active																**1 4.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Acinus, Atrophy		1														**5 1.2**
Acinus, Hyperplasia																**2 1.0**
Artery, Inflammation, Chronic Active																**1 4.0**
Periductal, Cholangiofibrosis																**4 1.5**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Duct, Parotid Gland, Dilation																**1 2.0**
Parotid Gland, Atrophy					3											**4 2.3**
Parotid Gland, Inflammation, Acute																**1 1.0**
Parotid Gland, Vacuolation, Cytoplasmic																**1 1.0**
Sublingual Gland, Atrophy																**2 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Ulcer																**2 1.5**
Epithelium, Hyperplasia																**8 2.0**

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DAY ON TEST	073 7	044 3	073 8	066 9	051 4	069 7	048 7	073 8	074 4	059 3	030 0	074 0	073 9	072 7	072 0	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
6.0W/kg(GSM)chr ANIMAL ID	013 23	013 24	013 26	013 27	013 28	013 29	013 30	013 31	013 32	013 33	013 35	013 37	013 38	013 39	013 40	*** TOTALS**
Epithelium, Hyperplasia, Basal Cell																**1 1.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
CARDIOVASCULAR SYSTEM																
Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cardiomyopathy					1			1				1	1			**27 1.1**
Myocardium, Necrosis																**1 1.0**
Myocardium, Schwann Cell, Hyperplasia						1										**1 1.0**
Ventricle Right, Cardiomyopathy												1				**15 1.2**
ENDOCRINE SYSTEM																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Accessory Adrenal Cortical Nodule								X							X	**6**
Degeneration, Cystic									1	3		1		2	2	**29 1.8**
Hyperplasia	1	1							2	2		1		1	2	**26 1.6**
Hypertrophy	2		3					2	1	1			1	2	2	**56 1.5**
Necrosis					2											**2 1.5**
Vacuolation, Cytoplasmic											2				1	**8 1.1**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**86**
Hyperplasia	3					1						2				**25 1.8**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Hyperplasia							4					1		2		**12 1.9**
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	**79**

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DAY ON TEST	073 7	044 3	073 8	066 9	051 4	069 7	048 7	073 8	074 4	059 3	030 0	074 0	073 9	072 7	072 0	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
6.0W/kg(GSM)chr																
ANIMAL ID	0133 23	0133 24	0133 26	0133 27	0133 28	0133 29	0133 30	0133 31	0133 32	0133 33	0133 35	0133 37	0133 38	0133 39	0134 00	*** TOTALS**
Fibrosis																**6 1.2**
Hyperplasia									1							**1 1.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Pars Distalis, Cyst																**4**
Pars Distalis, Hyperplasia			2				1					1				**22 2.0**
Pars Intermedia, Cyst																**2**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**88**
C-cell, Hyperplasia	2		1			2		1								**43 1.7**
Follicle, Cyst																**1**
GENERAL BODY SYSTEM																
Tissue NOS					+				+			+				**10**
Fat, Necrosis					3				3			2				**9 2.7**
GENITAL SYSTEM																
Clitoral Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	**87**
Inflammation, Granulomatous											2					**1 2.0**
Inflammation, Acute																**1 3.0**
Inflammation, Chronic Active	2	2		1			1	2	2	4						**40 1.8**
Duct, Dilation	4					4	4	4	3				2			**40 2.8**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy	4	3		3	3	3	3	4	4	2		4		3	3	**71 3.4**
Cyst									X			X				**27**
Inflammation, Chronic																**1 2.0**
Inflammation, Chronic Active													1			**2 2.5**

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	073 7	044 3	073 8	066 9	051 4	069 7	048 7	073 8	074 4	059 3	030 0	074 0	073 9	072 7	072 0	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
6.0W/kg(GSM)chr ANIMAL ID	013 23	013 24	013 26	013 27	013 28	013 29	013 30	013 31	013 32	013 33	013 35	013 37	013 38	013 39	013 40	*** TOTALS**
Necrosis																**1 2.0**
Bursa, Dilation																**6 2.8**
Periovarian Tissue, Inflammation, Chronic Active																**1 2.0**
Rete Ovarii, Hyperplasia	1								3				2			**12 2.3**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Adenomyosis																**1 2.0**
Cyst	X								X							**7**
Dilation																**4 3.8**
Hemorrhage																**1 3.0**
Hyperplasia, Stromal														2		**4 1.5**
Inflammation, Suppurative																**10 1.4**
Inflammation, Acute																**2 1.5**
Inflammation, Chronic Active																**1 2.0**
Pigment																**1 1.0**
Thrombus																**1 3.0**
Artery, Inflammation, Chronic Active																**1 2.0**
Cervix, Hyperplasia, Stromal																**1 2.0**
Endometrium, Hyperplasia, Cystic	3	2		1				2				1	3		3	**39 1.7**
Epithelium, Metaplasia, Squamous		3		3	4	2	3	1		1		2	1		2	**45 1.8**
Vagina	+															**1**
Inflammation, Chronic Active	1															**1 1.0**
HEMATOPOIETIC SYSTEM																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Hypercellularity	2	3		4	4	1	4	4	4	4	3	2	4		2	**56 3.0**
Myelofibrosis																**1 4.0**

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HARLAN SPRAGUE DAWLEY RATS FEMALE

6.0W/kg(GSM)chr

DAY ON TEST	073 7	044 3	073 8	066 9	051 4	069 7	048 7	073 8	074 4	059 3	030 0	074 0	073 9	072 7	072 0	
ANIMAL ID	0133 23	0133 24	0133 26	0133 27	0133 28	0133 29	0133 30	0133 31	0133 32	0133 33	0133 35	0133 37	0133 38	0133 39	0134 40	*** TOTALS**
Lymph Node					+				+					+		**14**
Axillary, Hyperplasia, Lymphocyte																**1 2.0**
Axillary, Proliferation, Plasma Cell																**1 1.0**
Deep Cervical, Fibrosis					3											**1 3.0**
Deep Cervical, Inflammation, Chronic Active					2											**1 2.0**
Iliac, Congestion																**1 2.0**
Iliac, Erythrophagocytosis																**2 3.0**
Iliac, Hyperplasia, Lymphocyte																**2 1.0**
Iliac, Pigment																**1 2.0**
Lumbar, Erythrophagocytosis																**1 3.0**
Mediastinal, Erythrophagocytosis									1							**3 1.3**
Mediastinal, Hyperplasia, Lymphocyte																**1 1.0**
Renal, Erythrophagocytosis														3		**2 3.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion																**1 2.0**
Erythrophagocytosis																**3 1.7**
Hyperplasia, Lymphocyte			1			2		1				1	1	1	1	**51 1.3**
Hyperplasia, Reticulum Cell																**1 4.0**
Proliferation, Plasma Cell						2	2	2		1		1		2	1	**56 1.6**
Lymphatic Sinus, Ectasia																**1 3.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Erythrophagocytosis													2		1	**5 1.4**
Hyperplasia, Lymphocyte																**1 1.0**
Infiltration Cellular, Histiocyte																**1 2.0**
Necrosis, Lymphocyte																**1 3.0**
Pigment																**1 1.0**

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 6.0W/kg(GSM)chr / ANIMAL ID	073701323	044301324	073801326	066901327	051401328	069701329	048701330	073801331	074401332	059301333	030001335	074001337	073901338	072701339	072001340	* TOTALS	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Extramedullary Hematopoiesis	3		2	2		2	3	3	3	3	1	2	3		2	**78**	**2.3**
Pigment	1		2			2						2	1	2		**46**	**2.0**
Red Pulp, Atrophy																**1**	**2.0**
White Pulp, Atrophy						1										**2**	**1.5**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**86**	
Atrophy	1		2	1		1		2				1	2	3	1	**61**	**1.6**
Cyst								X								**28**	
Ectopic Thyroid																**1**	
Hemorrhage																**3**	**1.3**
Hyperplasia, Epithelial	1							3					1	2		**20**	**1.5**
Necrosis, Lymphocyte																**1**	**2.0**
INTEGUMENTARY SYSTEM																	
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Galactocele							X									**10**	
Hyperplasia	1		2						1			3		2	1	**28**	**2.3**
Hyperplasia, Atypical																**3**	**1.3**
Duct, Dilation	1			1	2	1	1	2	1	2				2		**58**	**1.4**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	
Subcutaneous Tissue, Edema																**1**	**1.0**
Subcutaneous Tissue, Inflammation, Chronic Active																**1**	**1.0**
MUSCULOSKELETAL SYSTEM																	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**	

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DAY ON TEST	0737	0443	0738	0669	0514	0697	0487	0738	0744	0593	0300	0740	0739	0727	0720	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
6.0W/kg(GSM)chr																
ANIMAL ID	01323	01324	01326	01327	01328	01329	01330	01331	01332	01333	01335	01337	01338	01339	01340	*** TOTALS**
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration																**3 1.3**
Mineral																**1 1.0**
NERVOUS SYSTEM																
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Compression						2			1					2		**11 1.9**
Cyst																**1**
Edema																**2 1.5**
Hemorrhage																**1 1.0**
Necrosis																**1 1.0**
Pineal Gland, Mineral																**1 1.0**
Pineal Gland, Vacuolation, Cytoplasmic						1										**1 1.0**
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	3		2	2		1		2	1	1			2	2	2	**74 2.1**
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2	1	1	1	1	2	1	2	1	1		2	2	2	2	**84 1.6**
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Degeneration	2		1	2		1	1	2	2			2	1	2	2	**80 1.5**
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration													1		1	**23 1.0**
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Cyst																**1**
Degeneration						1										**12 1.1**

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DAY ON TEST	073 7	044 3	073 8	066 9	051 4	069 7	048 7	073 8	074 4	059 3	030 0	074 0	073 9	072 7	072 0	
HARLAN SPRAGUE DAWLEY RATS FEMALE																
6.0W/kg(GSM)chr ANIMAL ID	013 23	013 24	013 26	013 27	013 28	013 29	013 30	013 31	013 32	013 33	013 35	013 37	013 38	013 39	013 40	*** TOTALS**
Nerve, Degeneration	3		1	3		1		2	3	1		4	3	2	3	**78 2.2**
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Degeneration	2		1			1		2	2			1	2	1	1	**65 1.7**
Trigeminal Ganglion	M	+	+	+	I	+	I	M	M	+	+	+	+	+	+	**79**
Degeneration												1	1		2	**17 1.1**
RESPIRATORY SYSTEM																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Congestion																**3 1.7**
Hemorrhage																**2 1.0**
Inflammation, Chronic Active							2									**8 1.3**
Pigment																**1 1.0**
Alveolar Epithelium, Metaplasia, Squamous																**1 1.0**
Alveolus, Infiltration Cellular, Histiocyte	1	1	3	2	1	1	2	2		2		2	1	2	1	**82 1.8**
Alveolus, Pigment																**1 1.0**
Epithelium Alveolus, Hyperplasia																**2 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Inflammation, Suppurative								1								**1 1.0**
Inflammation, Acute											1					**1 1.0**
Olfactory Epithelium, Accumulation, Hyaline Droplet	1	2	2	2	3	1	2	1	1	3	2	3	1	2	2	**87 2.1**
Respiratory Epithelium, Accumulation, Hyaline Droplet					1			1						1		**10 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Artery, Inflammation, Chronic Active																**1 2.0**

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HARLAN SPRAGUE DAWLEY RATS FEMALE																
6.0W/kg(GSM)chr																
ANIMAL ID	013 23	013 24	013 26	013 27	013 28	013 29	013 30	013 31	013 32	013 33	013 35	013 37	013 38	013 39	013 40	*** TOTALS**
SPECIAL SENSES SYSTEM																
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Retina, Atrophy																**13 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**90**
Atrophy			1					1							1	**24 1.1**
Inflammation, Granulomatous			1	1		1		1								**10 1.0**
Inflammation, Chronic									1							**2 1.0**
Inflammation, Chronic Active																**2 1.0**
Zymbal's Gland																**1**
URINARY SYSTEM																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**89**
Inflammation, Granulomatous																**1 1.0**
Mineral																**1 1.0**
Nephropathy, Chronic Progressive	1	1			1	1			1	1	1	2		2	1	**59 1.2**
Artery, Inflammation, Chronic Active																**1 2.0**
Renal Tubule, Cyst																**1**
Renal Tubule, Hyperplasia, Atypical																**1 2.0**
Urothelium, Hyperplasia																**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**87**
Infiltration Cellular, Histiocyte																**1 2.0**
Infiltration Cellular, Mononuclear Cell																**1 2.0**

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*** END OF REPORT ***