C Number:	MG96006
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:18
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 0PPB

DAY ON TEST	0383	0413	0443	0478	0526	0556	0592	0619	0631	0647	0688	0702	0704	0730	0741	0744	0756	0756	0756	0755	0757	0757	0757	0757	0757	0757	0758	0758	0758	0758	0758
ANIMAL ID	0031	0041	0044	0054	0076	0094	0132	0159	0173	0200	0274	0290	0303	0356	0381	0387	0424	0425	0426	0454	0480	0481	0528	0529	0530	0531	0573	0574	0575	0576	0577
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	A	+	A	A	+	+	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Intestine Large, Colon	+	A	+	A	A	+	+	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	A	A	+	A	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	A	+	A	A	+	+	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																															
Intestine Small, Ileum	A	A	+	A	A	+	+	+	+	+	A	A	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	A	+	A	A	+	+	+	+	+	A	A	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Mesentery							+																								
Fat, Lymphoma Malignant							X																								
Oral Mucosa											+	+																			
Squamous Cell Carcinoma											X	X																			
Pancreas	A	A	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Salivary Glands	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Stomach, Forestomach	+	A	+	A	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																															

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\+ ..Tissue examined microscopically
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M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Male
F1 0PPB

DAY ON TEST	0383	0413	0443	0478	0526	0556	0592	0619	0631	0647	0688	0702	0704	0730	0741	0744	0756	0756	0756	0755	0757	0757	0757	0757	0757	0757	0758	0758	0758	0758	0758
ANIMAL ID	0031	0041	0044	0054	0076	0094	0132	0159	0173	0200	0274	0290	0303	0356	0381	0387	0424	0425	0426	0454	0480	0481	0528	0529	0530	0531	0573	0574	0575	0576	0577
Stomach, Glandular	A	A	+	A	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocardium, Schwannoma Malignant																										X					
Endocrine System																															
Adrenal Cortex	+	A	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																					X								X		
Adrenal Medulla	+	A	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+
Pheochromocytoma Benign																							X								
Pheochromocytoma Complex																															
Pheochromocytoma Malignant																															
Islets, Pancreatic	A	A	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma										X						X															
Pituitary Gland	+	A	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Pars Distalis, Adenoma				X						X		X			X		X			X	X	X		X	X	X	X	X	X	X	
Schwannoma Malignant																X															
Thyroid Gland	A	+	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma								X				X																			X

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:19
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 0PPB

DAY ON TEST	0383	0413	0443	0478	0526	0556	0592	0619	0631	0647	0688	0702	0704	0730	0741	0744	0756	0756	0756	0755	0757	0757	0757	0757	0757	0757	0758	0758	0758	0758	0758
ANIMAL ID	0031	0041	0044	0054	0076	0094	0132	0159	0173	0200	0274	0290	0303	0356	0381	0387	0424	0425	0426	0454	0480	0481	0528	0529	0530	0531	0573	0574	0575	0576	0577
General Body System																															
Tissue NOS																															
Genital System																															
Coagulating Gland	A	A	+	+	A	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Squamous Cell Carcinoma													X	X											X						
Prostate, Dorsal/Lateral Lobe	+	A		+	A			+		+	+			+		+		+	+				+				+		+		+
Lymphoma Malignant							X																								
Prostate, Ventral Lobe	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Rete Testes	+	A	+	+	A	+	+	+	+	+	A	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	A	A	+	A	A	+	+	+	+	+	A	A	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Adenoma																	X														
Testes	+	A	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Hematopoietic System																															
Bone Marrow	A	A	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Male
F1 0PPB

DAY ON TEST	083	041	044	047	052	055	059	061	063	064	068	070	070	073	074	074	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0003 1	0004 1	0004 4	0005 4	0007 6	0009 4	0013 2	0015 9	0017 3	0020 0	0027 4	0029 0	0030 3	0035 6	0038 1	0038 7	0042 4	0042 5	0042 6	0045 4	0048 0	0048 1	0052 8	0052 9	0053 0	0053 1	0057 3	0057 4	0057 5	0057 6	0057 7
Lymphoma Malignant							X																								
Lymph Node							+									+		+					+		+		+		+		
Axillary, Lymphoma Malignant							X																								
Mediastinal, Lymphoma Malignant							X																								
Renal, Lymphoma Malignant							X																								
Lymph Node, Mandibular	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Lymph Node, Mesenteric	A	A	+	A	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Spleen	A	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Thymus	A	A	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Integumentary System																															
Mammary Gland	+	A	+	M	A	+	+	+	+	+	M	M	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																															
Fibroadenoma																			X												
Fibroma														X																	
Lipoma																															
Lymphoma Malignant							X																								
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																															

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CD Rat Male
F1 0PPB

DAY ON TEST	0383	0413	0443	0478	0526	0556	0592	0619	0631	0647	0688	0702	0704	0730	0741	0744	0756	0756	0756	0755	0757	0757	0757	0757	0757	0758	0758	0758	0758	0758
ANIMAL ID	0031	0041	0044	0054	0076	0094	0132	0159	0173	0200	0274	0290	0303	0356	0381	0387	0424	0425	0426	0454	0480	0481	0528	0529	0530	0531	0573	0574	0575	0576	0577
Fibroma																										X					
Keratoacanthoma																					X										
Sarcoma	X					X			X																	X					
Musculoskeletal System																															
Bone									+							+															
Cranium, Osteosarcoma									X																						
Cranium, Schwannoma Malignant, Metastatic, Uncertain Primary Site																X															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																							+								
Nervous System																															
Brain, Brain Stem	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																						X									
Brain, Cerebellum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																						X									
Lymphoma Malignant							X																								
Respiratory System																															
Lung	+	A	+	+	A	+	+	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																														X	
Lymphoma Malignant							X																								

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
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First Dose M/F: NA / NA
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CD Rat Male
F1 0PPB

DAY ON TEST	0383	0413	0443	0478	0526	0556	0592	0619	0631	0647	0688	0702	0704	0730	0741	0744	0756	0756	0756	0755	0757	0757	0757	0757	0757	0757	0758	0758	0758	0758	0758
ANIMAL ID	00031	00041	00044	00054	00076	00094	00132	00159	00173	00200	00274	00290	00303	00356	00381	00387	00424	00425	00426	00454	00480	00481	00528	00529	00530	00531	00573	00574	00575	00576	00577
Nose	+	+	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																					X										
Lymphoma Malignant							X																								
Trachea	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Special Senses System																															
Eye	A	A	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Harderian Gland	+	+	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Zymbal's Gland								+																							
Carcinoma								X																							
Urinary System																															
Kidney	A	A	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								
Transit Epithe, Papilloma																								X							
Urethra												+																			
Urinary Bladder	A	A	+	A	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																								

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CD Rat Male
F1 0PPB

DAY ON TEST	758	761	761	761	761	761	761	762	762	762	762	762	763	763	763	763	763	763	762	762	
ANIMAL ID	0058	0069	0063	0063	0067	0067	0067	0072	0072	0072	0072	0072	0077	0077	0077	0077	0077	0077	0078	0079	*TOTALS
Alimentary System																					
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Lymphoma Malignant																					1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Adenocarcinoma																				X	1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																					1
Mesentery																					1
Fat, Lymphoma Malignant																					1
Oral Mucosa			+																		3
Squamous Cell Carcinoma			X																		3
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																					1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																					1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Squamous Cell Papilloma					X																1

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CD Rat Male
F1 0PPB

DAY ON TEST	758	761	761	761	761	761	761	762	762	762	762	762	763	763	763	763	763	763	762	762	
ANIMAL ID	0057 8	0062 9	0063 0	0063 1	0067 5	0067 6	0067 7	0072 5	0072 6	0072 7	0072 8	0072 9	0077 2	0077 3	0077 4	0077 5	0077 6	0077 7	0077 8	0077 9	*TOTALS
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Cardiovascular System																					
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Endocardium, Schwannoma Malignant																					1
Endocrine System																					
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma																					2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Pheochromocytoma Benign	X																				2
Pheochromocytoma Complex																X					1
Pheochromocytoma Malignant								X													1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	49
Adenoma																X				X	4
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																					1
Pars Distalis, Adenoma		X	X	X		X		X	X			X			X	X			X		25
Schwannoma Malignant																					1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
C Cell, Adenoma																	X			X	5

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Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:20
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 0PPB

DAY ON TEST	075	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	
ANIMAL ID	0058	0069	0063	0063	0067	0067	0067	0072	0072	0072	0072	0072	0072	0073	0074	0075	0076	0077	0078	0079	*TOTALS
General Body System																					
Tissue NOS																			+		1
Genital System																					
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																					1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Lymphoma Malignant																					1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Lymphoma Malignant																					1
Squamous Cell Carcinoma														X							4
Prostate, Dorsal/Lateral Lobe													+								49
Lymphoma Malignant																					1
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																					1
Rete Testes	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Adenoma																					1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																					1
Hematopoietic System																					
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46

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CD Rat Male
F1 0PPB

DAY ON TEST	0758	0761	0761	0761	0761	0761	0761	0762	0762	0762	0762	0762	0763	0763	0763	0763	0763	0763	0762	0762	
ANIMAL ID	0058	0069	0063	0063	0067	0067	0067	0072	0072	0072	0072	0072	0072	0073	0074	0075	0076	0077	0078	0079	*TOTALS
Lymphoma Malignant																					1
Lymph Node	+	+	+			+				+	+						+				14
Axillary, Lymphoma Malignant																					1
Mediastinal, Lymphoma Malignant																					1
Renal, Lymphoma Malignant																					1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																					1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Lymphoma Malignant																					1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																					1
Thymus	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	45
Lymphoma Malignant																					1
Integumentary System																					
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Adenocarcinoma		X																			1
Fibroadenoma																					1
Fibroma																					1
Lipoma																				X	1
Lymphoma Malignant																					1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Basal Cell Adenoma														X							1

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CD Rat Male
F1 0PPB

DAY ON TEST	758	761	761	761	761	761	761	762	762	762	762	762	763	763	763	763	763	763	762	762	
ANIMAL ID	0058	0069	0063	0063	0067	0067	0067	0072	0072	0072	0072	0072	0077	0077	0077	0077	0077	0077	0078	0079	*TOTALS
Fibroma															X						2
Keratoacanthoma																X					2
Sarcoma																					4
Musculoskeletal System																					
Bone																					2
Cranium, Osteosarcoma																					1
Cranium, Schwannoma Malignant, Metastatic, Uncertain Primary Site																					1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Skeletal Muscle																					1
Nervous System																					
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Astrocytoma Malignant																					1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Astrocytoma Malignant																					1
Lymphoma Malignant																					1
Respiratory System																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Alveolar/Bronchiolar Adenoma																					1
Lymphoma Malignant																					1

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CD Rat Male
F1 0PPB

DAY ON TEST	758	761	761	761	761	761	762	762	762	762	762	763	763	763	763	763	762	762		
ANIMAL ID	0058	0069	0063	0063	0067	0067	0072	0072	0072	0072	0072	0072	0073	0074	0075	0076	0077	0078	0079	*TOTALS
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma																				1
Lymphoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				1
Zymbal's Gland																				1
Carcinoma																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																				1
Transit Epithe, Papilloma																				1
Urethra																		+		2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Lymphoma Malignant																				1

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

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First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 2PPB

DAY ON TEST	0146	0198	0386	0492	0554	0598	0597	0596	0600	0617	0638	0639	0650	0688	0696	0704	0716	0737	0743	0756	0756	0756	0757	0757	0757	0757	0757	0757	0758	0758	0761
ANIMAL ID	0004	0005	0033	0057	0090	0138	0139	0140	0141	0158	0183	0184	0204	0263	0286	0304	0324	0360	0386	0427	0428	0429	0482	0483	0484	0485	0532	0533	0579	0580	0632
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	+	+	+	A	+	+	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic						X																									
Intestine Large, Colon	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Intestine Large, Rectum	A	+	+	+	A	+	+	+	+	A	+	+	A	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	+	A	+	+	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	+	+	+	A	+	+	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	+	A	+	+	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma																															
Liver	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma								X								X															
Leukemia Granulocytic			X			X																									
Mesentery																															
Oral Mucosa														+		+															
Sarcoma																X															
Pancreas	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Stomach, Forestomach	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Male
F1 2PPB

DAY ON TEST	0146	0198	0386	0492	0554	0598	0597	0596	0600	0617	0638	0639	0650	0688	0696	0704	0716	0737	0743	0756	0756	0756	0757	0757	0757	0757	0757	0757	0758	0758	0761
ANIMAL ID	0004	0005	0033	0057	0090	0138	0139	0140	0141	0158	0183	0184	0204	0263	0286	0304	0324	0360	0386	0427	0428	0429	0482	0483	0484	0485	0532	0533	0579	0580	0632
Stomach, Glandular	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocardium, Schwannoma Malignant					X																										
Leukemia Granulocytic			X			X																									
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																					X										
Leukemia Granulocytic			X			X																									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X																												
Pheochromocytoma Benign																							X								
Pheochromocytoma Complex																															
Pheochromocytoma Malignant																															
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic						X																									
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	M	+	I	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic						X																									
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Pars Distalis, Adenoma								X	X			X		X		X	X			X		X	X			X		X	X	X	

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CD Rat Male
F1 2PPB

DAY ON TEST	146	198	386	492	554	598	597	596	600	617	638	639	650	688	696	704	716	737	743	756	756	756	757	757	757	757	757	757	758	758	761
ANIMAL ID	0004	0005	0033	0057	0090	0138	0139	0140	0141	0158	0183	0184	0204	0263	0286	0304	0324	0360	0386	0427	0428	0429	0482	0483	0484	0485	0532	0533	0579	0580	0632
Thyroid Gland	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Carcinoma																															
Leukemia Granulocytic			X			X																									
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic						X																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic						X																									
Penis												+																			
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Squamous Cell Carcinoma								X							X			X	X												
Prostate, Dorsal/Lateral Lobe	+	+		+						+	+					+			+					+			+				
Leukemia Granulocytic			X			X																									
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	M	M	+	+	+	+	M	+	+
Seminal Vesicle	A	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic						X																									
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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F1 2PPB

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ANIMAL ID	0004	0005	0033	0057	0090	0138	0139	0140	0141	0158	0183	0184	0204	0263	0286	0304	0324	0360	0386	0427	0428	0429	0482	0483	0484	0485	0532	0533	0579	0580	0632
Hematopoietic System																															
Bone Marrow	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Lymph Node			+			+	+								+			+			+				+						
Axillary, Leukemia Granulocytic						X																									
Deep Cervical, Leukemia Granulocytic						X																									
Lumbar, Leukemia Granulocytic						X																									
Pancreatic, Leukemia Granulocytic			X																												
Renal, Leukemia Granulocytic						X																									
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Lymph Node, Mesenteric	A	+	+	I	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Spleen	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Thymus	A	+	+	+	+	+	+	+	+	A	+	I	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Integumentary System																															
Mammary Gland	+	+	+	M	+	+	+	M	+	M	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroadenoma																															
Fibroma																														X	
Leukemia Granulocytic			X			X																									

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CD Rat Male
F1 2PPB

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ANIMAL ID	0004	0005	0033	0057	0090	0138	0139	0140	0141	0158	0183	0184	0204	0263	0286	0304	0324	0360	0386	0427	0428	0429	0482	0483	0484	0485	0532	0533	0579	0580	0632
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																															
Keratoacanthoma								X															X								
Squamous Cell Carcinoma							X																								
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic						X																									
Skeletal Muscle											+																				
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic						X																									
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign																X															
Granular Cell Tumor Malignant									X																						
Peripheral Nerve											+																				
Spinal Cord											A																				
Respiratory System																															
Lung	A	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									

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CD Rat Male
F1 2PPB

DAY ON TEST	0146	0198	0386	0492	0554	0598	0597	0596	0600	0617	0638	0639	0650	0688	0696	0704	0716	0737	0743	0756	0756	0756	0757	0757	0757	0757	0757	0757	0758	0758	0761
ANIMAL ID	0004	0005	0033	0057	0090	0138	0139	0140	0141	0158	0183	0184	0204	0263	0286	0304	0324	0360	0386	0427	0428	0429	0482	0483	0484	0485	0532	0533	0579	0580	0632
Squamous Cell Carcinoma, Metastatic, Preputial Gland															X																
Nose	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Osteosarcoma																			X												
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Special Senses System																															
Eye	A	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Harderian Gland	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									
Urinary System																															
Kidney	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Renal Tubule, Carcinoma																															
Leukemia Granulocytic			X			X																									
Urethra							+																								
Urinary Bladder	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X			X																									

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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BLANK ..Not examined microscopically

CD Rat Male
F1 2PPB

DAY ON TEST	762	761	762	762	761	763	762	763	762	762	762	762	763	762	762	762	762	763	761	
ANIMAL ID	0063 3	0063 4	0067 8	0067 9	0068 0	0073 0	0073 1	0073 2	0073 3	0073 4	0073 5	0073 6	0078 0	0078 1	0078 2	0078 3	0078 4	0078 5	0078 6	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Leukemia Granulocytic																				1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Leukemia Granulocytic																				2
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Sarcoma			X																	1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hepatocellular Adenoma										X										3
Leukemia Granulocytic																				2
Mesentery													+							1
Oral Mucosa																				2
Sarcoma																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Granulocytic																				2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Granulocytic																				2
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

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CD Rat Male
F1 2PPB

DAY ON TEST	762	761	762	762	761	763	762	763	762	762	762	762	763	762	762	762	762	763	761	
ANIMAL ID	0063 3	0063 4	0067 8	0067 9	0068 0	0073 0	0073 1	0073 2	0073 3	0073 4	0073 5	0073 6	0078 0	0078 1	0078 2	0078 3	0078 4	0078 5	0078 6	*TOTALS
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocardium, Schwannoma Malignant				X																2
Leukemia Granulocytic																				2
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Leukemia Granulocytic																				2
Adrenal Medulla	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	48
Leukemia Granulocytic																				1
Pheochromocytoma Benign													X							2
Pheochromocytoma Complex																			X	1
Pheochromocytoma Malignant																			X	1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Granulocytic																				1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Leukemia Granulocytic																				1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Granulocytic																				2
Pars Distalis, Adenoma	X	X	X		X	X	X	X						X	X	X			X	24

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CD Rat Male
F1 2PPB

DAY ON TEST	762	761	762	762	761	763	762	763	762	762	762	762	763	762	762	762	762	763	761	
ANIMAL ID	0063 3	0063 4	0067 8	0067 9	0068 0	0073 0	0073 1	0073 2	0073 3	0073 4	0073 5	0073 6	0078 0	0078 1	0078 2	0078 3	0078 4	0078 5	0078 6	*TOTALS
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
C Cell, Carcinoma		X																		1
Leukemia Granulocytic																				2
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Granulocytic																				1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Granulocytic																				1
Penis																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Granulocytic																				2
Squamous Cell Carcinoma						X														5
Prostate, Dorsal/Lateral Lobe									+			+	+	+						50
Leukemia Granulocytic																				2
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	44
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Leukemia Granulocytic																				1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Male
F1 2PPB

DAY ON TEST	762	761	762	762	761	763	762	763	762	762	762	762	763	762	762	762	762	763	761	
ANIMAL ID	0063 3	0063 4	0067 8	0067 9	0068 0	0073 0	0073 1	0073 2	0073 3	0073 4	0073 5	0073 6	0078 0	0078 1	0078 2	0078 3	0078 4	0078 5	0078 6	*TOTALS
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Granulocytic																				2
Lymph Node		+	+			+		+	+			+	+			+			+	16
Axillary, Leukemia Granulocytic																				1
Deep Cervical, Leukemia Granulocytic																				1
Lumbar, Leukemia Granulocytic																				1
Pancreatic, Leukemia Granulocytic																				1
Renal, Leukemia Granulocytic																				1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Granulocytic																				2
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Leukemia Granulocytic																				2
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Granulocytic																				2
Thymus	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	44
Leukemia Granulocytic																				2
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Fibroadenoma	X	X												X						3
Fibroma				X			X													3
Leukemia Granulocytic																				2

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CD Rat Male
F1 2PPB

DAY ON TEST	762	761	762	762	761	763	762	763	762	762	762	762	763	762	762	762	762	763	761	
ANIMAL ID	0063 3	0063 4	0067 8	0067 9	0068 0	0073 0	0073 1	0073 2	0073 3	0073 4	0073 5	0073 6	0078 0	0078 1	0078 2	0078 3	0078 4	0078 5	0078 6	*TOTALS
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma																X				1
Keratoacanthoma																		X		3
Squamous Cell Carcinoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Granulocytic																				1
Skeletal Muscle																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Granulocytic																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granular Cell Tumor Benign																				1
Granular Cell Tumor Malignant																				1
Peripheral Nerve																				1
Spinal Cord																				0
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Leukemia Granulocytic																				2

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CD Rat Male
F1 2PPB

DAY ON TEST	762	761	762	762	761	763	762	763	762	762	762	762	763	762	762	762	762	763	761	
ANIMAL ID	0063 3	0063 4	0067 8	0067 9	0068 0	0073 0	0073 1	0073 2	0073 3	0073 4	0073 5	0073 6	0078 0	0078 1	0078 2	0078 3	0078 4	0078 5	0078 6	*TOTALS
Squamous Cell Carcinoma, Metastatic, Preputial Gland																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Granulocytic																				2
Osteosarcoma																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Granulocytic																				2
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Leukemia Granulocytic																				2
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Leukemia Granulocytic																				2
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Bilateral, Renal Tubule, Carcinoma		X																		1
Leukemia Granulocytic																				2
Urethra														+						2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Granulocytic																				2

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:24
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 10PPB

DAY ON TEST	467	494	552	562	596	602	602	615	624	632	633	667	669	688	696	709	737	737	744	744	756	756	756	756	756	757	757	757	757	757	758
ANIMAL ID	0049	0059	0088	0103	0135	0146	0149	0156	0168	0172	0179	0226	0233	0264	0287	0310	0359	0361	0383	0390	0432	0433	0434	0435	0436	0488	0489	0490	0536	0537	0584
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma						X																									
Intestine Small, Jejunum	A	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangiocarcinoma																															X
Hepatocellular Adenoma																															
Mesentery			+																				+								
Oral Mucosa											+			+					+		+										
Squamous Cell Carcinoma											X			X					X		X										
Pancreas	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Male
F1 10PPB

DAY ON TEST	0467	0494	0552	0562	0596	0602	0602	0615	0624	0632	0633	0667	0669	0688	0696	0709	0737	0737	0744	0744	0756	0756	0756	0756	0756	0757	0757	0757	0757	0757	0758
ANIMAL ID	0049	0059	0088	0103	0135	0146	0149	0156	0168	0172	0179	0226	0233	0264	0287	0310	0359	0361	0383	0390	0432	0433	0434	0435	0436	0488	0489	0490	0536	0537	0584
Mesothelioma Benign																															X
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Carcinoma								X																							
Adrenal Medulla	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																X															X
Pheochromocytoma Complex																													X		
Pheochromocytoma Malignant																															
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	M	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X	X	X	X			X	X		X				X	X	X			X	X	X	X		X		X	X		X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma														X																	
Follicular Cel, Adenoma																															
General Body System																															
Tissue NOS					+																										
Lipoma					X																										
Genital System																															

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CD Rat Male
F1 10PPB

DAY ON TEST	467	494	552	562	596	602	602	615	624	632	633	667	669	688	696	709	737	737	744	744	756	756	756	756	756	757	757	757	757	757	758
ANIMAL ID	0049	0059	0088	0103	0135	0146	0149	0156	0168	0172	0179	0226	0233	0264	0287	0310	0359	0361	0383	0390	0432	0433	0434	0435	0436	0488	0489	0490	0536	0537	0584
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma Benign				X																											
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma						X									X	X												X		X	
Prostate, Dorsal/Lateral Lobe	+	+									+														+						
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+
Seminal Vesicle	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																		X													
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																		+	+	+					+					+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	M	+	+	+	+	+	+	M	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma																				X											
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	M	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroadenoma				X																											

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1 10PPB

DAY ON TEST	0467	0494	0552	0562	0596	0602	0602	0615	0624	0632	0633	0667	0669	0688	0696	0709	0737	0737	0744	0744	0756	0756	0756	0756	0756	0757	0757	0757	0757	0757	0758
ANIMAL ID	0049	0059	0088	0103	0135	0146	0149	0156	0168	0172	0179	0226	0233	0264	0287	0310	0359	0361	0383	0390	0432	0433	0434	0435	0436	0488	0489	0490	0536	0537	0584
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																															
Fibroma							X																								
Hemangioma																											X				
Keratoacanthoma																		X													
Sarcoma		X																													
Squamous Cell Papilloma																															
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle										+																					
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Malignant		X																													
Peripheral Nerve										+																					
Spinal Cord										A																					
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Adrenal Cortex								X																							
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1 10PPB

DAY ON TEST	0467	0494	0552	0562	0596	0602	0602	0615	0624	0632	0633	0667	0669	0688	0696	0709	0737	0737	0744	0744	0756	0756	0756	0756	0756	0757	0757	0757	0757	0757	0758
ANIMAL ID	0049	0059	0088	0103	0135	0146	0149	0156	0168	0172	0179	0226	0233	0264	0287	0310	0359	0361	0383	0390	0432	0433	0434	0435	0436	0488	0489	0490	0536	0537	0584
Schwannoma Malignant													X																		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Malignant													X																		
Harderian Gland	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Malignant													X																		
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma Benign				X																											X

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:25
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 10PPB

DAY ON TEST	0758	0758	0758	0761	0761	0761	0761	0761	0762	0762	0762	0762	0762	0762	0762	0762	0763	0763	0763	
ANIMAL ID	005 85	005 86	005 87	006 39	006 40	006 41	006 42	006 43	006 86	006 87	006 88	006 89	006 90	007 43	007 44	007 45	007 94	007 95	007 96	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenocarcinoma																				1
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cholangiocarcinoma																				1
Hepatocellular Adenoma							X													1
Mesentery																				2
Oral Mucosa																				4
Squamous Cell Carcinoma																				4
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1 10PPB

DAY ON TEST	075	075	075	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	
ANIMAL ID	005	005	005	006	006	006	006	006	006	006	006	006	006	007	007	007	007	007	007	*TOTALS
	85	86	87	39	40	41	42	43	86	87	88	89	90	43	44	45	94	95	96	
Mesothelioma Benign																				1
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma				X								X								2
Carcinoma														X						2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pheochromocytoma Benign															X				X	4
Pheochromocytoma Complex																				1
Pheochromocytoma Malignant									X	X										2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	46
Adenoma																	X			1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma		X		X	X				X	X	X				X	X	X	X		28
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma																				1
Follicular Cel, Adenoma					X															1
General Body System																				
Tissue NOS																				1
Lipoma																				1
Genital System																				

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1 10PPB

DAY ON TEST	075	075	075	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	
ANIMAL ID	005	005	005	006	006	006	006	006	006	006	006	006	006	007	007	007	007	007	007	*TOTALS
	85	86	87	39	40	41	42	43	86	87	88	89	90	43	44	45	94	95	96	
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesothelioma Benign																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma																				5
Prostate, Dorsal/Lateral Lobe			+							+										50
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Rete Testes	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	46
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Carcinoma																				1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node	+	+	+	+		+			+				+	+	+		+		+	16
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Sarcoma																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Fibroadenoma																				1

* ..Total animals with tissue examined microscopically; Total animals with tumor
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M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Male
F1 10PPB

DAY ON TEST	758	758	758	761	761	761	761	761	762	762	762	762	762	762	762	762	763	763	763	
ANIMAL ID	005 85	005 86	005 87	006 39	006 40	006 41	006 42	006 43	006 86	006 87	006 88	006 89	006 90	007 43	007 44	007 45	007 94	007 95	007 96	*TOTALS
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma					X															1
Fibroma																				1
Hemangioma																				1
Keratoacanthoma																				1
Sarcoma																				1
Squamous Cell Papilloma															X					1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granular Cell Tumor Malignant																				1
Peripheral Nerve																				1
Spinal Cord																				0
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma, Metastatic, Adrenal Cortex																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1 10PPB

DAY ON TEST	075	075	075	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	076	
ANIMAL ID	005	005	005	006	006	006	006	006	006	006	006	006	006	007	007	007	007	007	007	*TOTALS
	85	86	87	39	40	41	42	43	86	87	88	89	90	43	44	45	94	95	96	
Schwannoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Schwannoma Malignant																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Schwannoma Malignant																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesothelioma Benign																				2

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1 50PPB

DAY ON TEST	023	025	041	050	058	063	064	065	066	068	068	068	070	070	073	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0012	0016	0042	0062	0122	0182	0198	0211	0218	0259	0261	0271	0301	0305	0373	0402	0441	0442	0443	0444	0445	0496	0497	0498	0499	0500	0542	0543	0544	0545	0546
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Intestine Large, Colon	A	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X							X																	
Intestine Large, Rectum	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Intestine Small, Jejunum	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Liver	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Carcinoma																									X						
Lymphoma Malignant							X							X																	
Mesentery									+																						
Oral Mucosa											+	+	+			+	+	+				+									
Squamous Cell Carcinoma											X	X	X			X	X														
Pancreas	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X							X																	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1 50PPB

DAY ON TEST	023	025	041	050	058	063	064	065	066	068	068	068	070	070	073	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0012	0016	0042	0062	0122	0182	0198	0211	0218	0259	0261	0271	0301	0305	0373	0402	0441	0442	0443	0444	0445	0496	0497	0498	0499	0500	0542	0543	0544	0545	0546
Stomach, Glandular	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Benign																															
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign									X																						
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																									X						
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+
Adenoma									X																						
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Pars Distalis, Adenoma				X	X										X							X						X		X	X
Thyroid Gland	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Carcinoma																															
Lymphoma Malignant														X																	
General Body System																															

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1 50PPB

DAY ON TEST	023	025	041	050	058	063	064	065	066	068	068	068	070	070	073	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0012	0016	0042	0062	0122	0182	0198	0211	0218	0259	0261	0271	0301	0305	0373	0402	0441	0442	0443	0444	0445	0496	0497	0498	0499	0500	0542	0543	0544	0545	0546
NONE																															
Genital System																															
Coagulating Gland	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Squamous Cell Carcinoma																													X		
Prostate, Dorsal/Lateral Lobe	+					+										+	+				+						+				
Lymphoma Malignant														X																	
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Rete Testes	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Seminal Vesicle	A	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																															
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminoma Benign																															
Hematopoietic System																															
Bone Marrow	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X							X																	
Lymph Node							+				+			+								+	+		+	+	+				+
Axillary, Lymphoma Malignant							X																								

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

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CD Rat Male
F1 50PPB

DAY ON TEST	023	025	041	050	058	063	064	065	066	068	068	068	070	070	073	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0012	0016	0042	0062	0122	0182	0198	0211	0218	0259	0261	0271	0301	0305	0373	0402	0441	0442	0443	0444	0445	0496	0497	0498	0499	0500	0542	0543	0544	0545	0546
Lumbar, Lymphoma Malignant							X																								
Pancreatic, Lymphoma Malignant														X																	
Renal, Lymphoma Malignant														X																	
Lymph Node, Mandibular	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X							X																	
Lymph Node, Mesenteric	A	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X							X																	
Spleen	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X							X																	
Thymus	A	A	+	+	+	+	M	+	+	+	I	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Sarcoma									X																						
Integumentary System																															
Mammary Gland	A	+	+	+	+	M	+	M	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Fibroadenoma															X																
Lymphoma Malignant														X																	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma																	X														
Keratoacanthoma																															
Lymphoma Malignant														X																	
Schwannoma Malignant										X																					
Musculoskeletal System																															

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CD Rat Male
F1 50PPB

DAY ON TEST	023	025	041	050	058	063	064	065	066	068	068	068	070	070	073	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0012	0016	0042	0062	0122	0182	0198	0211	0218	0259	0261	0271	0301	0305	0373	0402	0441	0442	0443	0444	0445	0496	0497	0498	0499	0500	0542	0543	0544	0545	0546
Bone														+																	
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle			+										+																		
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve			+										+																		
Spinal Cord			A										A																		
Respiratory System																															
Lung	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X							X																	
Sarcoma, Metastatic, Thymus									X																						
Nose	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	

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CD Rat Male
F1 50PPB

DAY ON TEST	023	025	041	050	058	063	064	065	066	068	068	068	070	070	073	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0012	0016	0042	0062	0122	0182	0198	0211	0218	0259	0261	0271	0301	0305	0373	0402	0441	0442	0443	0444	0445	0496	0497	0498	0499	0500	0542	0543	0544	0545	0546
Retrobulbar, Squamous Cell Carcinoma, Deep Invasion																															
Harderian Gland	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X																	
Lacrimal Gland													+	+																	
Lymphoma Malignant														X																	
Zymbal's Gland								+							+																
Carcinoma															X																
Squamous Cell Carcinoma								X																							
Urinary System																															
Kidney	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Renal Tubule, Carcinoma				X																											
Lymphoma Malignant							X							X																	
Mesenchymal Tumor Malignant																								X							
Urethra			+																									+			
Urinary Bladder	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X							X																	

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CD Rat Male
F1 50PPB

DAY ON TEST	758	758	758	758	758	758	762	761	761	761	762	762	762	762	762	762	762	763	756	
ANIMAL ID	0059 4	0059 5	0059 6	0059 7	0060 4	0060 6	0064 8	0064 9	0065 0	0065 1	0069 5	0069 6	0069 7	0069 8	0069 9	0074 9	0075 0	0080 0	0080 1	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																				1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				2
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																				1
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																				1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hepatocellular Carcinoma																				1
Lymphoma Malignant																				2
Mesentery																				1
Oral Mucosa						+												+		9
Squamous Cell Carcinoma						X												X		7
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

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CD Rat Male
F1 50PPB

DAY ON TEST	758	758	758	758	758	758	762	761	761	761	762	762	762	762	762	762	762	763	756	
ANIMAL ID	0059 4	0059 5	0059 6	0059 7	0060 4	0060 6	0064 8	0064 9	0065 0	0065 1	0069 5	0069 6	0069 7	0069 8	0069 9	0074 9	0075 0	0080 0	0080 1	*TOTALS
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Schwannoma Benign																	X			1
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma											X									1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pheochromocytoma Benign																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma		X																		2
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	46
Adenoma																				1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Pars Distalis, Adenoma	X	X	X		X		X	X							X	X	X			16
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Follicular Cel, Carcinoma															X					1
Lymphoma Malignant																				1
General Body System																				

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CD Rat Male
F1 50PPB

DAY ON TEST	075 8	075 8	075 8	075 8	075 8	075 8	076 2	076 1	076 1	076 1	076 2	076 2	076 2	076 2	076 2	076 2	076 2	076 3	075 6	
ANIMAL ID	005 94	005 95	005 96	005 97	006 04	006 06	006 48	006 49	006 50	006 51	006 95	006 96	006 97	006 98	006 99	007 49	007 50	008 00	008 01	*TOTALS
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Squamous Cell Carcinoma	X																			2
Prostate, Dorsal/Lateral Lobe			+	+						+										50
Lymphoma Malignant																				1
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Carcinoma																		X		1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminoma Benign													X							1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				2
Lymph Node	+	+					+							+		+			+	15
Axillary, Lymphoma Malignant																				1

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CD Rat Male
F1 50PPB

DAY ON TEST	758	758	758	758	758	758	762	761	761	761	762	762	762	762	762	762	762	763	756	
ANIMAL ID	0059 4	0059 5	0059 6	0059 7	0060 4	0060 6	0064 8	0064 9	0065 0	0065 1	0069 5	0069 6	0069 7	0069 8	0069 9	0074 9	0075 0	0080 0	0080 1	*TOTALS
Lumbar, Lymphoma Malignant																				1
Pancreatic, Lymphoma Malignant																				1
Renal, Lymphoma Malignant																				1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				2
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				2
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				2
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Lymphoma Malignant																				1
Sarcoma																				1
Integumentary System																				
Mammary Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Fibroadenoma							X													2
Lymphoma Malignant																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma											X									2
Keratoacanthoma				X															X	2
Lymphoma Malignant																				1
Schwannoma Malignant																				1
Musculoskeletal System																				

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CD Rat Male
F1 50PPB

DAY ON TEST	075 8	075 8	075 8	075 8	075 8	075 8	076 2	076 1	076 1	076 1	076 2	076 2	076 2	076 2	076 2	076 2	076 2	076 3	075 6	
ANIMAL ID	005 94	005 95	005 96	005 97	006 04	006 06	006 48	006 49	006 50	006 51	006 95	006 96	006 97	006 98	006 99	007 49	007 50	008 00	008 01	*TOTALS
Bone																				1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				2
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Peripheral Nerve																				2
Spinal Cord																				0
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				2
Sarcoma, Metastatic, Thymus																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																				1

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CD Rat Male
F1 50PPB

DAY ON TEST	758	758	758	758	758	758	762	761	761	761	762	762	762	762	762	762	762	763	756	
ANIMAL ID	0059 4	0059 5	0059 6	0059 7	0060 4	0060 6	0064 8	0064 9	0065 0	0065 1	0069 5	0069 6	0069 7	0069 8	0069 9	0074 9	0075 0	0080 0	0080 1	*TOTALS
Retrobulbar, Squamous Cell Carcinoma, Deep Invasion						X														1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				1
Lacrimal Gland																				2
Lymphoma Malignant																				1
Zymbal's Gland																				2
Carcinoma																				1
Squamous Cell Carcinoma																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Bilateral, Renal Tubule, Carcinoma																				1
Lymphoma Malignant																				2
Mesenchymal Tumor Malignant																				1
Urethra																				2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	0485	0510	0534	0549	0569	0603	0610	0619	0623	0642	0646	0656	0681	0695	0719	0725	0737	0736	0747	0756	0756	0757	0757	0757	0757	0758	0758	0758	0762	0762	0761
ANIMAL ID	0055	0068	0079	0087	0107	0150	0153	0160	0167	0187	0197	0215	0255	0285	0326	0340	0362	0372	0389	0430	0431	0486	0487	0534	0535	0581	0582	0583	0635	0636	0637
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																			X								X				
Intestine Small, Ileum	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangiocarcinoma														X																	
Lymphoma Malignant	X																														
Mesentery													+																		
Oral Mucosa							+					+		+		+															
Squamous Cell Carcinoma							X					X		X																	
Pancreas	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																						X									
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	0485	0510	0534	0549	0569	0603	0610	0619	0623	0642	0646	0656	0681	0695	0719	0725	0737	0736	0747	0756	0756	0757	0757	0757	0757	0758	0758	0758	0762	0762	0761
ANIMAL ID	0055	0068	0079	0087	0107	0150	0153	0160	0167	0187	0197	0215	0255	0285	0326	0340	0362	0372	0389	0430	0431	0486	0487	0534	0535	0581	0582	0583	0635	0636	0637
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Pheochromocytoma Benign																				X											
Pheochromocytoma Benign																															
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X	X	X	X			X	X	X			X	X		X	X	X	X		X	X	X	X		X	X		X	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																											X				
C Cell, Carcinoma																											X				
General Body System																															
Tissue NOS																												+			
Schwannoma Malignant																												X			
Genital System																															
Coagulating Gland	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	0485	0510	0534	0549	0569	0603	0610	0619	0623	0642	0646	0656	0681	0695	0719	0725	0737	0736	0747	0756	0756	0757	0757	0757	0757	0758	0758	0758	0762	0762	0761
ANIMAL ID	0055	0068	0079	0087	0107	0150	0153	0160	0167	0187	0197	0215	0255	0285	0326	0340	0362	0372	0389	0430	0431	0486	0487	0534	0535	0581	0582	0583	0635	0636	0637
Penis																	+														
Squamous Cell Carcinoma, Metastatic, Preputial Gland																	X														
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																													X		
Lymphoma Malignant	X																														
Squamous Cell Carcinoma										X							X	X								X					
Prostate, Dorsal/Lateral Lobe	+							+										+													+
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma										X																					
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														
Lymph Node	+					+								+				+										+		+	+
Squamous Cell Carcinoma, Metastatic, Preputial Gland																		X													
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	485	510	534	549	569	603	610	619	623	642	646	656	681	695	719	725	737	736	747	756	756	757	757	757	757	758	758	758	762	762	761
ANIMAL ID	0055	0068	0079	0087	0107	0150	0153	0160	0167	0187	0197	0215	0255	0285	0326	0340	0362	0372	0389	0430	0431	0486	0487	0534	0535	0581	0582	0583	0635	0636	0637
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Thymoma Benign																			X												
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	M	M	+	A	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma												X																			
Fibroma													X																		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Keratoacanthoma						X																									
Lipoma																											X				
Sarcoma								X																							
Sebaceous Gl, Adenoma																				X											
Squamous Cell Papilloma																															X
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle		+																													
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	485	510	534	549	569	603	610	619	623	642	646	656	681	695	719	725	737	736	747	756	756	757	757	757	757	758	758	758	762	762	761
ANIMAL ID	0055	0068	0079	0087	0107	0150	0153	0160	0167	0187	0197	0215	0255	0285	0326	0340	0362	0372	0389	0430	0431	0486	0487	0534	0535	0581	0582	0583	0635	0636	0637
Reticulosis Malignant															X																
Peripheral Nerve		+																													
Spinal Cord		A																													
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma																				X											
Nose	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma, Deep Invasion												X																			
Zymbal's Gland												+																			
Adenoma												X																			
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Renal Tubule, Adenoma				X																											
Mesenchymal Tumor Malignant																															X
Renal Tubule, Adenoma			X																												
Renal Tubule, Carcinoma			X																												

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	485	510	534	549	569	603	610	619	623	642	646	656	681	695	719	725	737	736	747	756	756	757	757	757	757	758	758	758	762	762	761
ANIMAL ID	0005 5	0006 8	0007 9	0008 7	0010 7	0015 0	0015 3	0016 0	0016 7	0018 7	0019 7	0021 5	0025 5	0028 5	0032 6	0034 0	0036 2	0037 2	0038 9	0043 0	0043 1	0048 6	0048 7	0053 4	0053 5	0058 1	0058 2	0058 3	0063 5	0063 6	0063 7
Urethra					+																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
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CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	761	762	762	762	762	761	763	762	762	762	762	762	763	762	762	762	762	762	761	
ANIMAL ID	0063 8	0068 1	0068 2	0068 3	0068 4	0068 5	0073 7	0073 8	0073 9	0074 0	0074 1	0074 2	0078 7	0078 8	0078 9	0079 0	0079 1	0079 2	0079 3	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenocarcinoma																				2
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cholangiocarcinoma																				1
Lymphoma Malignant																				1
Mesentery																				1
Oral Mucosa	+																			5
Squamous Cell Carcinoma																				3
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	761	762	762	762	762	761	763	762	762	762	762	762	763	762	762	762	762	762	761	
ANIMAL ID	0063 8	0068 1	0068 2	0068 3	0068 4	0068 5	0073 7	0073 8	0073 9	0074 0	0074 1	0074 2	0078 7	0078 8	0078 9	0079 0	0079 1	0079 2	0079 3	*TOTALS
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Bilateral, Pheochromocytoma Benign																				1
Pheochromocytoma Benign							X						X			X				3
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma		X	X				X													3
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X					X	X	X	X	X		X	X						29
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma				X															X	3
C Cell, Carcinoma																			X	2
General Body System																				
Tissue NOS																				1
Schwannoma Malignant																				1
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	761	762	762	762	762	761	763	762	762	762	762	762	763	762	762	762	762	762	761	
ANIMAL ID	0063 8	0068 1	0068 2	0068 3	0068 4	0068 5	0073 7	0073 8	0073 9	0074 0	0074 1	0074 2	0078 7	0078 8	0078 9	0079 0	0079 1	0079 2	0079 3	*TOTALS
Penis																				1
Squamous Cell Carcinoma, Metastatic, Preputial Gland																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Lymphoma Malignant																				1
Squamous Cell Carcinoma																				4
Prostate, Dorsal/Lateral Lobe				+			+	+		+	+	+	+					+		50
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	47
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Sarcoma																				1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Lymph Node	+	+		+	+	+	+	+				+	+		+	+			+	19
Squamous Cell Carcinoma, Metastatic, Preputial Gland																				1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1

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CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	761	762	762	762	762	761	763	762	762	762	762	762	763	762	762	762	762	762	761	
ANIMAL ID	0063 8	0068 1	0068 2	0068 3	0068 4	0068 5	0073 7	0073 8	0073 9	0074 0	0074 1	0074 2	0078 7	0078 8	0078 9	0079 0	0079 1	0079 2	0079 3	*TOTALS
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	46
Thymoma Benign																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adenoma																				1
Fibroma																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Keratoacanthoma																				1
Lipoma																				1
Sarcoma																				1
Sebaceous Gl, Adenoma																				1
Squamous Cell Papilloma									X											2
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle												+								2
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	761	762	762	762	762	761	763	762	762	762	762	762	763	762	762	762	762	762	761	
ANIMAL ID	0063 8	0068 1	0068 2	0068 3	0068 4	0068 5	0073 7	0073 8	0073 9	0074 0	0074 1	0074 2	0078 7	0078 8	0078 9	0079 0	0079 1	0079 2	0079 3	*TOTALS
Reticulosis Malignant																				1
Peripheral Nerve												+								2
Spinal Cord												A								0
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Carcinoma																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma, Deep Invasion																				1
Zymbal's Gland																				1
Adenoma																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Bilateral, Renal Tubule, Adenoma																				1
Mesenchymal Tumor Malignant																				1
Renal Tubule, Adenoma							X													2
Renal Tubule, Carcinoma																				1

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CD Rat Male
F1/2PPB TO CTL

DAY ON TEST	761	762	762	762	762	761	763	762	762	762	762	762	763	762	762	762	762	762	761	
ANIMAL ID	0063 8	0068 1	0068 2	0068 3	0068 4	0068 5	0073 7	0073 8	0073 9	0074 0	0074 1	0074 2	0078 7	0078 8	0078 9	0079 0	0079 1	0079 2	0079 3	*TOTALS
Urethra																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1

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CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	021	021	038	045	051	051	057	065	066	067	072	073	072	073	074	074	074	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0007	0013	0032	0046	0069	0070	0113	0217	0234	0251	0336	0347	0348	0365	0380	0384	0395	0437	0438	0439	0440	0491	0492	0493	0494	0495	0538	0539	0540	0541	0588
Alimentary System																															
Esophagus	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	A	A	+	A	+	+	+	+	+	A	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	A	A	+	A	A	+	+	+	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	A	A	+	A	A	+	+	+	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	A	A	+	A	A	+	+	+	+	A	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	A	A	+	A	A	+	+	+	A	A	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	A	A	+	A	A	+	+	+	A	A	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Carcinoma																															
Lymphoma Malignant	X	X																													
Mesentery										+																					
Carcinoma, Metastatic, Uncertain Primary Site										X																					
Oral Mucosa								+																							
Pancreas	+	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Salivary Glands	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														
Stomach, Forestomach	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	A	A	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															

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CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	021 9	024 1	038 6	045 4	051 2	051 1	057 6	065 9	066 9	067 7	072 5	073 0	072 9	073 6	074 3	074 6	074 6	075 6	075 6	075 6	075 6	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 8
ANIMAL ID	0007	0013	0032	0046	0069	0070	0113	0217	0234	0251	0336	0347	0348	0365	0380	0384	0395	0437	0438	0439	0440	0491	0492	0493	0494	0495	0538	0539	0540	0541	0588
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	A	+	A	A	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Adrenal Medulla	+	+	+	A	+	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																															
Islets, Pancreatic	+	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															X
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	M	+	+	+
Adenoma																								X							
Pituitary Gland	+	+	+	M	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Pars Distalis, Adenoma								X	X	X	X	X		X	X	X	X	X	X			X		X	X	X			X	X	X
Thyroid Gland	+	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
Lymphoma Malignant	X																														
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	+	+	A	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	021 9	024 1	038 6	045 4	051 2	051 1	057 6	065 9	066 9	067 7	072 5	073 0	072 9	073 6	074 3	074 6	074 6	075 6	075 6	075 6	075 6	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 8
ANIMAL ID	0007	0013	0032	0046	0069	0070	0113	0217	0234	0251	0336	0347	0348	0365	0380	0384	0395	0437	0438	0439	0440	0491	0492	0493	0494	0495	0538	0539	0540	0541	0588
Carcinoma, Metastatic, Prostate, Dorsal/Lateral Lobe						X																									
Carcinoma, Metastatic, Uncertain Primary Site										X																					
Ductus Deferens						+																									
Epididymis	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														
Penis														+																	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														
Squamous Cell Carcinoma										X	X										X									
Prostate, Dorsal/Lateral Lobe	+	+		A																										+	
Carcinoma						X																									
Carcinoma, Metastatic, Uncertain Primary Site										X																					
Prostate, Ventral Lobe	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma						X																									
Rete Testes	+	+	+	A	+	A	+	+	+	+	+	+	M	M	+	+	M	+	M	+	+	+	+	+	M	+	+	+	+	+	+
Seminal Vesicle	+	+	A	A	+	+	+	+	+	+	+	A	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Prostate, Dorsal/Lateral Lobe						X																									
Carcinoma, Metastatic, Uncertain Primary Site										X																					
Testes	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Male
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DAY ON TEST	021 9	024 1	038 6	045 4	051 2	051 1	057 6	065 9	066 9	067 7	072 5	073 0	072 9	073 6	074 3	074 6	074 6	075 6	075 6	075 6	075 6	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 8
ANIMAL ID	0007	0013	0032	0046	0069	0070	0113	0217	0234	0251	0336	0347	0348	0365	0380	0384	0395	0437	0438	0439	0440	0491	0492	0493	0494	0495	0538	0539	0540	0541	0588
Lymphoma Malignant	X																														
Hematopoietic System																															
Bone Marrow	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Lymph Node	+				+						+															+		+			
Axillary, Lymphoma Malignant	X																														
Deep Cervical, Lymphoma Malignant	X																														
Inguinal, Lymphoma Malignant	X																														
Lumbar, Lymphoma Malignant	X																														
Mediastinal, Lymphoma Malignant	X																														
Renal, Lymphoma Malignant	X																														
Lymph Node, Mandibular	+	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Lymph Node, Mesenteric	+	+	A	A	+	A	A	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Spleen	+	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Thymus	+	+	A	A	M	A	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	I	M	+
Lymphoma Malignant	X																														
Integumentary System																															
Mammary Gland	+	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																X															

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CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	021 9	024 1	038 6	045 4	051 2	051 1	057 6	065 9	066 9	067 7	072 5	073 0	072 9	073 6	074 3	074 6	074 6	075 6	075 6	075 6	075 6	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 7	075 8
ANIMAL ID	0000 7	0001 3	0003 2	0004 6	0006 9	0007 0	0011 3	0021 7	0023 4	0025 1	0033 6	0034 7	0034 8	0036 5	0038 0	0038 4	0039 5	0043 7	0043 8	0043 9	0044 0	0049 1	0049 2	0049 3	0049 4	0049 5	0053 8	0053 9	0054 0	0054 1	0058 8
Fibroadenoma																								X							
Lymphoma Malignant	X																														
Skin	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma										X																					
Keratoacanthoma																	X							X							
Lymphoma Malignant	X																														
Prepuce, Keratoacanthoma																															
Squamous Cell Carcinoma									X																						
Squamous Cell Papilloma																									X						
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	M	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	A	A	+	A	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Nose	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Trachea	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Male
F1/10PPB TO CTL

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ANIMAL ID	0007	0013	0032	0046	0069	0070	0113	0217	0234	0251	0336	0347	0348	0365	0380	0384	0395	0437	0438	0439	0440	0491	0492	0493	0494	0495	0538	0539	0540	0541	0588
Special Senses System																																
Eye	+	+	A	A	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Harderian Gland	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																														
Lacrimal Gland							+																								
Urinary System																															
Kidney	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													
Urethra																				+								+			
Urinary Bladder	+	A	A	A	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X	X																													

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BLANK ..Not examined microscopically

CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	075 8	075 8	075 8	075 8	075 8	076 1	076 1	076 1	076 1	076 2	076 2	076 2	076 2	076 3	076 2	076 2	076 3	076 3	076 3	
ANIMAL ID	005 89	005 90	005 91	005 92	005 93	006 44	006 45	006 46	006 47	006 91	006 92	006 93	006 94	007 46	007 47	007 48	007 97	007 98	007 99	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hepatocellular Carcinoma	X																			1
Lymphoma Malignant																				2
Mesentery		+																		2
Carcinoma, Metastatic, Uncertain Primary Site																				1
Oral Mucosa																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Cardiovascular System																				

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	075 8	075 8	075 8	075 8	075 8	076 1	076 1	076 1	076 1	076 2	076 2	076 2	076 2	076 3	076 2	076 2	076 3	076 3	076 3	
ANIMAL ID	005 89	005 90	005 91	005 92	005 93	006 44	006 45	006 46	006 47	006 91	006 92	006 93	006 94	007 46	007 47	007 48	007 97	007 98	007 99	*TOTALS
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adenoma			X																	1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	45
Pheochromocytoma Benign									X											1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma															X					2
Parathyroid Gland	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	M	+	+	44
Adenoma																				1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				2
Pars Distalis, Adenoma	X	X		X	X				X	X	X				X	X	X			28
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
C Cell, Adenoma	X																			1
Lymphoma Malignant																				1
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	075 8	075 8	075 8	075 8	075 8	076 1	076 1	076 1	076 1	076 2	076 2	076 2	076 2	076 3	076 2	076 2	076 3	076 3	076 3		
ANIMAL ID	005 89	005 90	005 91	005 92	005 93	006 44	006 45	006 46	006 47	006 91	006 92	006 93	006 94	007 46	007 47	007 48	007 97	007 98	007 99		*TOTALS
Carcinoma, Metastatic, Prostate, Dorsal/Lateral Lobe																					1
Carcinoma, Metastatic, Uncertain Primary Site																					1
Ductus Deferens																					1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49
Lymphoma Malignant																					1
Penis																					1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Lymphoma Malignant																					1
Squamous Cell Carcinoma																					3
Prostate, Dorsal/Lateral Lobe			+			+									+			+			49
Carcinoma																					1
Carcinoma, Metastatic, Uncertain Primary Site																					1
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49
Carcinoma																					1
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		43
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		43
Carcinoma, Metastatic, Prostate, Dorsal/Lateral Lobe																					1
Carcinoma, Metastatic, Uncertain Primary Site																					1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	075	075	075	075	075	076	076	076	076	076	076	076	076	076	076	076	076	076	076		
ANIMAL ID	0058	0059	0059	0059	0059	0064	0064	0064	0064	0069	0069	0069	0069	0074	0074	0074	0079	0079	0079		*TOTALS
Lymphoma Malignant																					1
Hematopoietic System																					
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
Lymphoma Malignant																					2
Lymph Node		+	+		+			+				+	+	+	+			+			14
Axillary, Lymphoma Malignant																					1
Deep Cervical, Lymphoma Malignant																					1
Inguinal, Lymphoma Malignant																					1
Lumbar, Lymphoma Malignant																					1
Mediastinal, Lymphoma Malignant																					1
Renal, Lymphoma Malignant																					1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
Lymphoma Malignant																					2
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		44
Lymphoma Malignant																					2
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
Lymphoma Malignant																					2
Thymus	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		40
Lymphoma Malignant																					1
Integumentary System																					
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
Adenoma																					1

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	758	758	758	758	758	761	761	761	761	762	762	762	762	763	762	762	763	763	763	
ANIMAL ID	0058 9	0059 0	0059 1	0059 2	0059 3	0064 4	0064 5	0064 6	0064 7	0069 1	0069 2	0069 3	0069 4	0074 6	0074 7	0074 8	0079 7	0079 8	0079 9	*TOTALS
Fibroadenoma																				1
Lymphoma Malignant																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Fibroma																				1
Keratoacanthoma																				2
Lymphoma Malignant																				1
Prepuce, Keratoacanthoma		X																		1
Squamous Cell Carcinoma																				1
Squamous Cell Papilloma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Lymphoma Malignant																				2
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				2
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46

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CD Rat Male
F1/10PPB TO CTL

DAY ON TEST	075 8	075 8	075 8	075 8	075 8	076 1	076 1	076 1	076 1	076 2	076 2	076 2	076 2	076 3	076 2	076 2	076 3	076 3	076 3	
ANIMAL ID	0058 9	0059 0	0059 1	0059 2	0059 3	0064 4	0064 5	0064 6	0064 7	0069 1	0069 2	0069 3	0069 4	0074 6	0074 7	0074 8	0079 7	0079 8	0079 9	*TOTALS
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Lymphoma Malignant																				2
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																				1
Lacrimal Gland																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				2
Urethra					+									+				+		5
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2

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CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	469	556	573	594	601	601	619	646	646	654	675	715	738	738	746	750	752	756	756	756	756	757	757	757	757	757	757	757	757	757	758
ANIMAL ID	0050	0092	0110	0131	0147	0148	0162	0192	0201	0206	0243	0317	0364	0371	0388	0400	0404	0446	0447	0448	0449	0501	0502	0503	0504	0547	0548	0549	0550	0551	0598
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	+	+	+	+	+	+	A	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	+	+	+	+	+	A	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma									X																						
Liver	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangiocarcinoma																															
Hepatocellular Adenoma																		X													
Hepatocellular Carcinoma																															
Oral Mucosa	+									+		+				+															
Squamous Cell Carcinoma	X									X		X																			
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue										+																					
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
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X ..Lesion present
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CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	469	556	573	594	601	601	619	646	646	654	675	715	738	738	746	750	752	756	756	756	756	757	757	757	757	757	757	757	757	757	757	758
ANIMAL ID	0050	0092	0110	0131	0147	0148	0162	0192	0201	0206	0243	0317	0364	0371	0388	0400	0404	0446	0447	0448	0449	0501	0502	0503	0504	0547	0548	0549	0550	0551	0598
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																									X						
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																															
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma		X	X	X		X				X	X		X		X	X	X				X			X			X			X	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																		X													
C Cell, Carcinoma		X																													
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																															
Prostate, Dorsal/Lateral Lobe	+	+	+	+	+	+	+	+	+	+				+				+	+	+							+		+		+

* ..Total animals with tissue examined microscopically; Total animals with tumor
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X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	469	556	573	594	601	601	619	646	646	654	675	715	738	738	746	750	752	756	756	756	756	757	757	757	757	757	757	757	757	757	757	758
ANIMAL ID	0050	0092	0110	0131	0147	0148	0162	0192	0201	0206	0243	0317	0364	0371	0388	0400	0404	0446	0447	0448	0449	0501	0502	0503	0504	0547	0548	0549	0550	0551	0598
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	M	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node												+		+	+	+							+		+					+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma											X																				
Thymus	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																												X			
Fibroadenoma															X																
Fibroma																															
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																		X				X									
Keratoacanthoma																															
Osteosarcoma							X																								
Prepuce, Squamous Cell Carcinoma																									X						

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	469	556	573	594	601	601	619	646	646	654	675	715	738	738	746	750	752	756	756	756	756	757	757	757	757	757	757	757	757	757	758
ANIMAL ID	0050	0092	0110	0131	0147	0148	0162	0192	0201	0206	0243	0317	0364	0371	0388	0400	0404	0446	0447	0448	0449	0501	0502	0503	0504	0547	0548	0549	0550	0551	0598
Squamous Cell Carcinoma																													X		
Musculoskeletal System																															
Bone												+																			
Cranium, Nerve, Squamous Cell Carcinoma, Deep Invasion												X																			
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle															+																
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant				X																											
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant				X																											
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant				X																											
Granular Cell Tumor Benign			X																												
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+	+	+	+	+	+	+	+	A	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	469	556	573	594	601	601	619	646	646	654	675	715	738	738	746	750	752	756	756	756	756	757	757	757	757	757	757	757	757	757	757	758
ANIMAL ID	0050	0092	0110	0131	0147	0148	0162	0192	0201	0206	0243	0317	0364	0371	0388	0400	0404	0446	0447	0448	0449	0501	0502	0503	0504	0547	0548	0549	0550	0551	0598
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma, Deep Invasion										X																					
Lacrimal Gland													+																		
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Renal Tubule, Adenoma		X									X																				
Sarcoma														X																	
Urethra																		+													
Urinary Bladder	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
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M ..Missing tissue
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CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	075	075	075	075	076	076	076	076	076	076	076	076	076	076	076	076	076	076	075	
ANIMAL ID	059	060	061	062	065	053	054	055	056	070	071	072	073	074	075	075	075	075	080	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	45
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenocarcinoma																				1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Cholangiocarcinoma		X																		1
Hepatocellular Adenoma																				1
Hepatocellular Carcinoma					X															1
Oral Mucosa									+										+	6
Squamous Cell Carcinoma																			X	4
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Tongue																				1
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	758	758	758	758	761	761	761	761	761	762	762	762	762	762	763	762	762	762	756	
ANIMAL ID	0059 9	0060 0	0060 1	0060 2	0065 2	0065 3	0065 4	0065 5	0065 6	0070 0	0070 1	0070 2	0070 3	0070 4	0075 1	0075 2	0075 3	0075 4	0080 2	*TOTALS
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pheochromocytoma Benign															X					1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma	X		X	X	X				X	X		X			X			X	X	24
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
C Cell, Adenoma																				1
C Cell, Carcinoma																				1
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma															X					1
Prostate, Dorsal/Lateral Lobe		+	+				+							+						50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	075	075	075	075	076	076	076	076	076	076	076	076	076	076	076	076	076	076	075	
ANIMAL ID	059	060	060	060	065	065	065	065	065	070	070	070	070	070	075	075	075	075	080	*TOTALS
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Rete Testes	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	46
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node	+		+	+	+	+	+			+	+	+					+	+	+	19
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma																				1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma																		X		2
Fibroadenoma																				1
Fibroma										X										1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma																				2
Keratoacanthoma		X																		1
Osteosarcoma																				1
Prepuce, Squamous Cell Carcinoma																				1

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CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	758	758	758	758	761	761	761	761	761	762	762	762	762	762	763	762	762	762	756	
ANIMAL ID	0059 9	0060 0	0060 1	0060 2	0065 2	0065 3	0065 4	0065 5	0065 6	0070 0	0070 1	0070 2	0070 3	0070 4	0075 1	0075 2	0075 3	0075 4	0080 2	*TOTALS
Squamous Cell Carcinoma																				1
Musculoskeletal System																				
Bone																				1
Cranium, Nerve, Squamous Cell Carcinoma, Deep Invasion																				1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Astrocytoma Malignant																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Astrocytoma Malignant																				1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Astrocytoma Malignant																				1
Granular Cell Tumor Benign																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

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CD Rat Male
F1/50PPB TO CTL

DAY ON TEST	758	758	758	758	761	761	761	761	761	762	762	762	762	762	763	762	762	762	756	
ANIMAL ID	0059 9	0060 0	0060 1	0060 2	0065 2	0065 3	0065 4	0065 5	0065 6	0070 0	0070 1	0070 2	0070 3	0070 4	0075 1	0075 2	0075 3	0075 4	0080 2	*TOTALS
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma, Deep Invasion																				1
Lacrimal Gland																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Bilateral, Renal Tubule, Adenoma																				2
Sarcoma																				1
Urethra																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Male
F3 0PPB

DAY ON TEST	0154	0422	0429	0521	0527	0562	0585	0590	0599	0601	0630	0646	0649	0660	0673	0700	0703	0702	0741	0743	0749	0749	0749	0749	0750	0750	0750	0749	0749	0749	0749
ANIMAL ID	0021	0014	0019	0046	0058	0025	0075	0085	0403	0452	0814	0820	0830	0832	0845	0866	0867	0870	0909	0910	0911	0912	0919	0920	0944	0949	0950	0952	0953	0954	0955
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	+	+	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	A	+	+	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma			X																			X									
Intestine Large, Rectum	A	+	+	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	A	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma								X							X																
Lymphoma Malignant		X																													
Intestine Small, Ileum	A	+	A	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+
Liver	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangiocarcinoma				X																			X								
Cholangioma																															
Hepatocellular Adenoma																						X									
Lymphoma Malignant		X																													
Mesentery							+		+			+																			
Oral Mucosa															+		+	+													
Squamous Cell Carcinoma															X		X	X													
Pancreas	A	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Salivary Glands	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Male
F3 0PPB

DAY ON TEST	154	422	429	521	527	562	585	590	599	601	630	646	649	660	673	700	703	702	741	743	749	749	749	749	750	750	750	749	749	749	749	749
ANIMAL ID	0021	0014	0019	0046	0058	0025	0075	0085	0403	0452	0814	0820	0830	0832	0845	0866	0867	0870	0909	0910	0911	0912	0919	0920	0944	0949	0950	0952	0953	0954	0955
Lymphoma Malignant		X																													
Stomach, Forestomach	A	+	A	+	+	+	+	+	I	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	A	+	A	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Adrenal Medulla	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																							X								
Pheochromocytoma Malignant																									X						
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma											X				X																
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Adenoma												X																			
Pituitary Gland	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Pars Distalis, Adenoma							X		X	X			X		X		X			X				X				X	X		X
Thyroid Gland	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Carcinoma																			X						X						
Lymphoma Malignant		X																													

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:36
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 0PPB

DAY ON TEST	0154	0422	0429	0521	0527	0562	0585	0590	0599	0601	0630	0646	0649	0660	0673	0700	0703	0702	0741	0743	0749	0749	0749	0749	0750	0750	0750	0749	0749	0749	0749
ANIMAL ID	0021	0014	0019	0046	0058	0025	0075	0085	0403	0452	0814	0820	0830	0832	0845	0866	0867	0870	0909	0910	0911	0912	0919	0920	0944	0949	0950	0952	0953	0954	0955
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	A	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Preputial Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Squamous Cell Carcinoma										X						X															
Prostate, Dorsal/Lateral Lobe	+	+	+	+	+						+												+			+					
Lymphoma Malignant		X																													
Prostate, Ventral Lobe	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	M	+	+	+
Seminal Vesicle	A	+	A	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Hematopoietic System																															
Bone Marrow	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Male
F3 0PPB

DAY ON TEST	0154	0422	0429	0521	0527	0562	0585	0590	0599	0601	0630	0646	0649	0660	0673	0700	0703	0702	0741	0743	0749	0749	0749	0750	0750	0750	0749	0749	0749	0749
ANIMAL ID	0021	0014	0019	0046	0058	0325	0375	0385	0403	0452	0814	0820	0830	0832	0845	0866	0867	0870	0909	0910	0911	0912	0919	0920	0944	0949	0950	0952	0953	0954	0955
Lymph Node		+														+		+	+	+		+								+	
Axillary, Lymphoma Malignant		X																													
Inguinal, Lymphoma Malignant		X																													
Mediastinal, Lymphoma Malignant		X																													
Lymph Node, Mandibular	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Lymph Node, Mesenteric	A	+	+	A	+	+	+	+	+	+	+	A	A	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Spleen	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Thymus	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X							X																						
Integumentary System																															
Mammary Gland	A	M	A	+	+	M	+	M	+	+	+	A	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma																															
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																															
Sarcoma														X																	
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle		+							+		+																				
Lymphoma Malignant		X																													

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\+ ..Tissue examined microscopically
X ..Lesion present
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M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:37
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 0PPB

DAY ON TEST	154	422	429	521	527	562	585	590	599	601	630	646	649	660	673	700	703	702	741	743	749	749	749	750	750	750	749	749	749	749	749
ANIMAL ID	0021	0014	0019	0046	0058	0025	0075	0085	0403	0452	0814	0820	0830	0832	0845	0866	0867	0870	0909	0910	0911	0912	0919	0920	0944	0949	0950	0952	0953	0954	0955
Nervous System																															
Brain, Brain Stem	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Osteoma						X																									
Peripheral Nerve									+		+																				
Spinal Cord									A		A																				
Respiratory System																															
Lung	A	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Nose	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Trachea	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Special Senses System																															
Eye	A	+	+	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Retrobulbar, Squamous Cell Carcinoma, Deep Invasion																	X														
Harderian Gland	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													

* ..Total animals with tissue examined microscopically; Total animals with tumor
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M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Male
F3 0PPB

DAY ON TEST	0154	0422	0429	0521	0527	0562	0585	0590	0599	0601	0630	0646	0649	0660	0673	0700	0703	0702	0741	0743	0749	0749	0749	0749	0750	0750	0750	0749	0749	0749	0749	0749
ANIMAL ID	0021	0014	0019	0046	0058	0025	0037	0085	0403	0452	0814	0820	0830	0832	0845	0866	0867	0870	0909	0910	0911	0912	0919	0920	0944	0949	0950	0952	0953	0954	0955
Lacrimal Gland		+																													
Lymphoma Malignant		X																													
Zymbal's Gland																+															
Carcinoma																X															
Urinary System																															
Kidney	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Urethra																						+	+								
Urinary Bladder	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X							X																						

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CD Rat Male
F3 0PPB

DAY ON TEST	750	750	749	749	749	749	753	752	754	755	755	755	755	755	755	754	753	752	745	
ANIMAL ID	0094	0095	0102	0103	0109	0110	0137	0149	0153	0199	0102	0105	0106	0107	0108	0109	0119	0120	0121	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adenoma																				2
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Adenocarcinoma																				2
Lymphoma Malignant																				1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Cholangiocarcinoma																				2
Cholangioma	X																			1
Hepatocellular Adenoma																				1
Lymphoma Malignant																				1
Mesentery									+											4
Oral Mucosa																				3
Squamous Cell Carcinoma																				3
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

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CD Rat Male
F3 0PPB

DAY ON TEST	750	750	749	749	749	749	753	752	754	755	755	755	755	755	755	754	753	752	745	
ANIMAL ID	0094	0095	0102	0103	0109	0110	0137	0149	0153	0199	0102	0105	0106	0107	0108	0109	0119	0120	0121	*TOTALS
Lymphoma Malignant																				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																	X			1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pheochromocytoma Benign						X		X											X	4
Pheochromocytoma Malignant																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma																				2
Parathyroid Gland	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma																				1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Pars Distalis, Adenoma	X	X	X	X					X	X	X	X	X	X	X		X		X	24
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
C Cell, Carcinoma	X																			3
Lymphoma Malignant																				1

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CD Rat Male
F3 0PPB

DAY ON TEST	750	750	749	749	749	749	753	752	754	755	755	755	755	755	755	754	753	752	745	
ANIMAL ID	0094	0095	0102	0103	0109	0110	0137	0149	0153	0199	0102	0105	0106	0107	0108	0109	0119	0120	0121	*TOTALS
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Squamous Cell Carcinoma																				2
Prostate, Dorsal/Lateral Lobe			+	+										+						50
Lymphoma Malignant																				1
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Lymphoma Malignant																				1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1

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CD Rat Male
F3 0PPB

DAY ON TEST	750	750	749	749	749	749	753	752	754	755	755	755	755	755	755	754	753	752	745	
ANIMAL ID	0094	0095	0100	0103	0109	0110	0137	0149	0153	0199	0102	0105	0106	0107	0108	0109	0119	0120	0121	*TOTALS
Lymph Node	+				+				+		+		M			+	+		+	14
Axillary, Lymphoma Malignant																				1
Inguinal, Lymphoma Malignant																				1
Mediastinal, Lymphoma Malignant																				1
Lymph Node, Mandibular	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																				1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Lymphoma Malignant																				1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Thymus	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				2
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Fibroma													X							1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma		X					X													2
Sarcoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Skeletal Muscle																				3
Lymphoma Malignant																				1

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CD Rat Male
F3 0PPB

DAY ON TEST	750	750	749	749	749	749	753	752	754	755	755	755	755	755	755	754	753	752	745	
ANIMAL ID	0094	0095	0102	0103	0109	0110	0137	0149	0153	0199	0102	0105	0106	0107	0108	0109	0119	0120	0121	*TOTALS
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Osteoma																				1
Peripheral Nerve																				2
Spinal Cord																				0
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																				1
Retrobulbar, Squamous Cell Carcinoma, Deep Invasion																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1

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CD Rat Male
F3 0PPB

DAY ON TEST	750	750	749	749	749	749	753	752	754	755	755	755	755	755	755	754	753	752	745	
ANIMAL ID	0094	0095	0102	0103	0109	0110	0137	0149	0153	0199	0102	0105	0106	0107	0108	0109	0119	0120	0121	*TOTALS
Lacrimal Gland																				1
Lymphoma Malignant																				1
Zymbal's Gland																				1
Carcinoma																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Urethra	+																			3
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2

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I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	0331	0347	0434	0527	0586	0596	0618	0628	0630	0638	0646	0653	0660	0666	0666	0673	0674	0680	0720	0724	0730	0734	0749	0749	0749	0750	0750	0749	0750	0749	0749
ANIMAL ID	0056	0063	0128	0257	0374	0401	0806	0812	0813	0816	0821	0826	0833	0834	0835	0841	0843	0849	0886	0893	0902	0904	0917	0918	0921	0946	0947	0956	0988	0996	0997
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	+	+	A	+	A	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	A	+	+	A	+	A	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	A	+	+	A	+	A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	A	+	A	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	+	+	A	+	A	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	A	+	A	+	A	+	+	+	A	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Lymphoma Malignant		X																													
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Oral Mucosa												+		+		+		+	+		+									+	
Squamous Cell Carcinoma														X		X		X												X	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma											X																				
Stomach, Glandular	A	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	0331	0347	0434	0527	0586	0596	0618	0628	0630	0638	0646	0653	0660	0666	0666	0673	0674	0680	0720	0724	0730	0734	0749	0749	0749	0750	0750	0749	0750	0749	0749
ANIMAL ID	0056	0063	0128	0257	0374	0401	0806	0812	0813	0816	0821	0826	0833	0834	0835	0841	0843	0849	0886	0893	0902	0904	0917	0918	0921	0946	0947	0956	0988	0996	0997
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocardium, Schwannoma Malignant				X																											
Leukemia Mononuclear																						X									
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma											X																				
Leukemia Mononuclear																						X									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																						X							X	X	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma					X																										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Adenoma																				X											
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Lymphoma Malignant		X																													
Pars Distalis, Adenoma			X										X	X	X		X	X	X			X	X				X				
Pars Intermed, Adenoma																				X											

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	031	047	043	052	058	059	061	062	063	063	064	065	066	066	066	067	067	068	072	072	073	073	074	074	074	074	075	075	074	075	074	074
ANIMAL ID	0056	0063	0128	0257	0374	0401	0806	0812	0813	0816	0821	0826	0833	0834	0835	0841	0843	0849	0886	0893	0902	0904	0917	0918	0921	0946	0947	0956	0988	0996	0997
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Adenoma																															
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																				X											
Squamous Cell Carcinoma										X											X										
Prostate, Dorsal/Lateral Lobe	+	+		+		+				+														+	+	+					+
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Seminal Vesicle	A	+	+	A	+	A	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstit Cell, Adenoma								X																							
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	031	047	043	052	058	059	061	062	063	063	064	065	066	066	066	067	067	068	072	072	073	073	074	074	074	075	075	074	075	074	074
ANIMAL ID	0056	0063	0128	0257	0374	0401	0806	0812	0813	0816	0821	0826	0833	0834	0835	0841	0843	0849	0886	0893	0902	0904	0917	0918	0921	0946	0947	0956	0988	0996	0997
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Lymphoma Malignant		X																													
Lymph Node		+								+						+			+		+					+		+	+	+	+
Mediastinal, Lymphoma Malignant		X																													
Lymph Node, Mandibular	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Lymphoma Malignant		X																													
Lymph Node, Mesenteric	A	+	+	A	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Spleen	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Lymphoma Malignant		X																													
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Thymus	A	+	+	+	+	+	+	A	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Integumentary System																															

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\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:39
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	031	047	043	052	058	059	061	062	063	063	064	065	066	066	066	067	067	068	072	072	073	073	074	074	074	075	075	074	075	074	074
ANIMAL ID	0056	0063	0128	0257	0374	0401	0806	0812	0813	0816	0821	0826	0833	0834	0835	0841	0843	0849	0860	0893	0902	0904	0917	0918	0921	0946	0947	0956	0988	0996	0997
Integumentary System																															
Mammary Gland	A	+	+	+	+	M	+	+	+	M	M	M	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+
Fibroadenoma								X																							
Fibroma																															
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Keratoacanthoma																					X										
Lipoma																		X													X
Musculoskeletal System																															
Bone																+															
Cranium, Squamous Cell Carcinoma, Deep Invasion																X															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle		+			+						+						+														
Diaphragm, Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve		+			+						+						+														
Spinal Cord		A			A						A						A														

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	331	347	434	527	586	596	618	628	630	638	646	653	660	666	666	673	674	680	720	724	730	734	749	749	749	750	750	749	750	749	749
ANIMAL ID	0056	0063	0128	0257	0374	0401	0806	0812	0813	0816	0821	0826	0833	0834	0835	0841	0843	0849	0886	0893	0902	0904	0917	0918	0921	0946	0947	0956	0988	0996	0997
Respiratory System																															
Lung	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Nose	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland																					+										
Urinary System																															
Kidney	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																						X									
Sarcoma					X																										
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach											X																				
Urethra																	+														
Urinary Bladder	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
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M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	031	047	043	052	058	059	061	062	063	063	064	065	066	066	066	067	067	068	072	072	073	073	074	074	074	075	075	074	075	074	074
ANIMAL ID	0056	0063	0028	0057	0074	0401	0806	0812	0813	0816	0821	0826	0833	0834	0835	0841	0843	0849	0886	0893	0902	0904	0917	0918	0921	0946	0947	0956	0988	0996	0997
Leukemia Mononuclear																						X									
Lymphoma Malignant		X																													

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	749	749	753	752	752	752	754	754	754	754	754	755	755	755	755	755	749	747	
ANIMAL ID	1007	1008	1043	1044	1047	1048	1054	1055	1056	1057	1058	1066	1067	1069	1103	1104	1115	1116	*TOTALS
Alimentary System																			
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	48
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Ileum	+	+	A	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	38
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	41
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Leukemia Mononuclear																			1
Lymphoma Malignant																			1
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Oral Mucosa													+						8
Squamous Cell Carcinoma																			4
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																			1
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Squamous Cell Carcinoma																			1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	749	749	753	752	752	752	754	754	754	754	754	755	755	755	755	755	749	747	
ANIMAL ID	1007	1008	1043	1044	1047	1048	1054	1055	1056	1057	1058	1066	1067	1069	1103	1104	1115	1116	*TOTALS
Cardiovascular System																			
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Endocardium, Schwannoma Malignant																			1
Leukemia Mononuclear																			1
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Endocrine System																			
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																			1
Leukemia Mononuclear																			1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	48
Pheochromocytoma Benign													X						4
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma																			1
Parathyroid Gland	M	+	+	+	+	M	M	+	M	+	+	+	+	+	+	+	+	+	44
Adenoma																			1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																			1
Lymphoma Malignant																			1
Pars Distalis, Adenoma		X	X		X	X	X			X				X	X	X	X		20
Pars Intermed, Adenoma																			1

* ..Total animals with tissue examined microscopically; Total animals with tumor
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M ..Missing tissue
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CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	749	749	753	752	752	752	754	754	754	754	754	755	755	755	755	755	749	747	
ANIMAL ID	1007	1008	1043	1044	1047	1048	1054	1055	1056	1057	1058	1066	1067	1069	1103	1104	1115	1116	*TOTALS
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Follicular Cel, Adenoma					X														1
General Body System																			
NONE																			
Genital System																			
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma																			1
Squamous Cell Carcinoma													X						3
Prostate, Dorsal/Lateral Lobe			+	M												+			48
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Prostate, Ventral Lobe	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	45
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Interstit Cell, Adenoma																			1
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	749	749	753	752	752	752	754	754	754	754	754	755	755	755	755	755	749	747	
ANIMAL ID	1007	1008	1043	1044	1047	1048	1054	1055	1056	1057	1058	1066	1067	1069	1103	1104	1115	1116	*TOTALS
Hematopoietic System																			
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear																			1
Lymphoma Malignant																			1
Lymph Node		+			+			+	+					+		+			16
Mediastinal, Lymphoma Malignant																			1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																			1
Lymphoma Malignant																			1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Leukemia Mononuclear																			1
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																			1
Lymphoma Malignant																			1
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Leukemia Mononuclear																			1
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Integumentary System																			

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	749	749	753	752	752	752	754	754	754	754	754	755	755	755	755	755	749	747	
ANIMAL ID	1007	1008	1043	1044	1047	1048	1054	1055	1056	1057	1058	1066	1067	1069	1103	1104	1115	1116	*TOTALS
Integumentary System																			
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Fibroadenoma																X			2
Fibroma				X															1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Keratoacanthoma				X															2
Lipoma																			2
Musculoskeletal System																			
Bone																			1
Cranium, Squamous Cell Carcinoma, Deep Invasion																			1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Skeletal Muscle																			4
Diaphragm, Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Nervous System																			
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Peripheral Nerve																			4
Spinal Cord																			0

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CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	749	749	753	752	752	752	754	754	754	754	754	755	755	755	755	755	749	747	
ANIMAL ID	1007	1008	1043	1044	1047	1048	1054	1055	1056	1057	1058	1066	1067	1069	1103	1104	1115	1116	*TOTALS
Respiratory System																			
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																			1
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Special Senses System																			
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lacrimal Gland																			1
Urinary System																			
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																			1
Sarcoma																			1
Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach																			1
Urethra																			1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
SYSTEMIC LESIONS																			
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

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M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/2PPB TO CTL

DAY ON TEST	749	749	753	752	752	752	754	754	754	754	754	755	755	755	755	755	749	747	
ANIMAL ID	1007	1008	1043	1044	1047	1048	1054	1055	1056	1057	1058	1066	1067	1069	1103	1104	1115	1116	*TOTALS
Leukemia Mononuclear																			1
Lymphoma Malignant																			1

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	0198	0302	0389	0424	0539	0565	0568	0582	0656	0674	0674	0686	0709	0699	0721	0720	0724	0723	0737	0749	0749	0749	0750	0749	0748	0748	0750	0749	0749	0749	0749
ANIMAL ID	0024	0047	0085	0116	0281	0331	0334	0368	0831	0842	0846	0860	0877	0879	0887	0888	0896	0897	0907	0913	0914	0915	0945	0948	0957	0958	0985	0986	0987	0990	0993
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Intestine Large, Colon	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma															X																
Lymphoma Malignant										X																					
Intestine Large, Rectum	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Anus, Sarcoma						X																									
Intestine Small, Duodenum	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	A	A	A	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangioma																															
Leukemia Mononuclear																															
Lymphoma Malignant										X																					
Mesentery							+																								
Squamous Cell Carcinoma, Metastatic, Uncertain Primary Site																															
Oral Mucosa								+								+			+												
Squamous Cell Carcinoma																X															
Pancreas	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	198	302	389	424	539	565	568	582	656	674	674	686	709	699	721	720	724	723	737	749	749	749	750	749	748	748	750	749	749	749	749
ANIMAL ID	0024	0047	0085	0116	0281	0331	0334	0368	0831	0842	0846	0860	0877	0879	0887	0888	0896	0897	0907	0913	0914	0915	0945	0948	0957	0958	0985	0986	0987	0990	0993
Salivary Glands	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Stomach, Forestomach	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Adrenal Medulla	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Pheochromocytoma Benign																												X			
Pheochromocytoma Benign												X							X					X		X			X		
Pheochromocytoma Malignant												X																			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																										X					
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Pars Distalis, Adenoma			X			X									X	X	X	X	X					X	X			X	X		
Pars Intermed, Adenoma																															
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	0198	0302	0389	0424	0539	0565	0568	0582	0656	0674	0674	0686	0709	0699	0721	0720	0724	0723	0737	0749	0749	0749	0750	0749	0748	0748	0750	0749	0749	0749	0749
ANIMAL ID	0024	0047	0085	0116	0281	0331	0334	0368	0831	0842	0846	0860	0877	0879	0887	0888	0896	0897	0907	0913	0914	0915	0945	0948	0957	0958	0985	0986	0987	0990	0993
C Cell, Adenoma																												X			
C Cell, Carcinoma																X															
Lymphoma Malignant										X																					
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma					X								X	X															X		
Prostate, Dorsal/Lateral Lobe	+	+		+					+							+						+									
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	M	+	M	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Lymph Node					A					+			+		+		+	+		+			+		+		+				
Axillary, Lymphoma Malignant										X																					

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CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	198	302	389	424	539	565	568	582	656	674	674	686	709	699	721	720	724	723	737	749	749	749	750	749	748	748	750	749	749	749	749
ANIMAL ID	0024	0047	0085	0116	0281	0331	0334	0368	0831	0842	0846	0860	0877	0879	0887	0888	0896	0897	0907	0913	0914	0915	0945	0948	0957	0958	0985	0986	0987	0990	0993
Lumbar, Lymphoma Malignant										X																					
Mediastinal, Lymphoma Malignant										X																					
Renal, Lymphoma Malignant										X																					
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Lymph Node, Mesenteric	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Spleen	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																															
Lymphoma Malignant										X																					
Thymus	+	+	+	M	A	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Integumentary System																															
Mammary Gland	M	M	+	A	M	+	M	M	M	M	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																			X												
Fibroma												X																			
Keratoacanthoma																										X					
Schwannoma Malignant													X																		
Musculoskeletal System																															
Bone															+																
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	198	302	389	424	539	565	568	582	656	674	674	686	709	699	721	720	724	723	737	749	749	749	750	749	748	748	750	749	749	749	749
ANIMAL ID	0024	0047	0085	0116	0281	0331	0334	0368	0831	0842	0846	0860	0877	0879	0887	0888	0896	0897	0907	0913	0914	0915	0945	0948	0957	0958	0985	0986	0987	0990	0993
Skeletal Muscle	+									+								+													
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Malignant																															
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Malignant															X																
Peripheral Nerve	A									+								+													
Spinal Cord	A									A								A													
Respiratory System																															
Lung	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma													X																		
Leukemia Mononuclear																															
Lymphoma Malignant										X																					
Schwannoma Malignant, Metastatic, Skin													X																		
Squamous Cell Carcinoma, Metastatic, Uncertain Primary Site																															
Nose	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Ear																															

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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I ..Insufficient tissue

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CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	0198	0302	0389	0424	0539	0565	0568	0582	0656	0674	0674	0686	0709	0699	0721	0720	0724	0723	0737	0749	0749	0749	0750	0749	0748	0748	0750	0749	0749	0749	0749
ANIMAL ID	0024	0047	0085	0116	0281	0331	0334	0368	0831	0842	0846	0860	0877	0879	0887	0888	0896	0897	0907	0913	0914	0915	0945	0948	0957	0958	0985	0986	0987	0990	0993
Squamous Cell Papilloma																															
Eye	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Lacrimal Gland										+			+																		
Lymphoma Malignant										X																					
Zymbal's Gland							+					+																			
Carcinoma							X																								
Squamous Cell Carcinoma												X																			
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant										X																					
Urethra															+																
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																															
Lymphoma Malignant										X																					

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\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	753	753	753	753	754	754	754	754	754	754	754	755	755	755	755	754	754	754	754	
ANIMAL ID	0103 0	0103 5	0103 6	0103 9	0106 1	0106 2	0106 3	0106 4	0106 5	0106 8	0107 0	0109 7	0109 8	0110 0	0110 1	0110 0	0111 1	0111 7	0111 8	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma																				1
Lymphoma Malignant																				1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Anus, Sarcoma																				1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cholangioma								X												1
Leukemia Mononuclear														X						1
Lymphoma Malignant																				1
Mesentery		+			+				+	+								+		6
Squamous Cell Carcinoma, Metastatic, Uncertain Primary Site																		X		1
Oral Mucosa				+																4
Squamous Cell Carcinoma																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

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BLANK ..Not examined microscopically

CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	753	753	753	753	754	754	754	754	754	754	754	755	755	755	755	754	754	754	754	
ANIMAL ID	0103 0	0103 5	0103 6	0103 9	0106 1	0106 2	0106 3	0106 4	0106 5	0106 8	0107 0	0109 7	0109 8	0110 0	0110 1	0110 0	0111 1	0111 7	0111 8	*TOTALS
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma		X																		1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Bilateral, Pheochromocytoma Benign																				1
Pheochromocytoma Benign																				5
Pheochromocytoma Malignant														X						2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma				X			X													3
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Pars Distalis, Adenoma		X		X		X	X					X		X		X				18
Pars Intermed, Adenoma									X											1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	753	753	753	753	754	754	754	754	754	754	754	755	755	755	755	754	754	754	754	
ANIMAL ID	0103 0	0103 5	0103 6	0103 9	0106 1	0106 2	0106 3	0106 4	0106 5	0106 8	0107 0	0109 7	0109 8	0110 0	0110 1	0111 0	0111 1	0111 7	0111 8	*TOTALS
C Cell, Adenoma																				1
C Cell, Carcinoma					X					X										3
Lymphoma Malignant																				1
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma																				4
Prostate, Dorsal/Lateral Lobe											+	+	+							50
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Rete Testes	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	43
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Lymph Node				+				+		+	+									13
Axillary, Lymphoma Malignant																				1

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CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	753	753	753	753	754	754	754	754	754	754	754	755	755	755	755	754	754	754	754	
ANIMAL ID	0103 0	0103 5	0103 6	0103 9	0106 1	0106 2	0106 3	0106 4	0106 5	0106 8	0107 0	0109 7	0109 8	0110 0	0110 1	0111 0	0111 1	0111 7	0111 8	*TOTALS
Lumbar, Lymphoma Malignant																				1
Mediastinal, Lymphoma Malignant																				1
Renal, Lymphoma Malignant																				1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear														X						1
Lymphoma Malignant																				1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma																				1
Fibroma																				1
Keratoacanthoma						X				X										3
Schwannoma Malignant																				1
Musculoskeletal System																				
Bone																				1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	753	753	753	753	754	754	754	754	754	754	754	755	755	755	755	754	754	754	754	
ANIMAL ID	0103 0	0103 5	0103 6	0103 9	0106 1	0106 2	0106 3	0106 4	0106 5	0106 8	0107 0	0109 7	0109 8	0110 0	0110 1	0111 0	0111 1	0111 7	0111 8	*TOTALS
Skeletal Muscle																				3
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granular Cell Tumor Malignant																			X	1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granular Cell Tumor Malignant																				1
Peripheral Nerve																				2
Spinal Cord																				0
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Alveolar/Bronchiolar Adenoma																				1
Leukemia Mononuclear														X						1
Lymphoma Malignant																				1
Schwannoma Malignant, Metastatic, Skin																				1
Squamous Cell Carcinoma, Metastatic, Uncertain Primary Site																		X		1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Ear	+																			1

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CD Rat Male
F3/10 PPB TO CTL

DAY ON TEST	753	753	753	753	754	754	754	754	754	754	754	755	755	755	755	754	754	754	754	
ANIMAL ID	0130	0135	0136	0139	0161	0162	0163	0164	0165	0168	0170	0197	0198	0100	0101	0110	0111	0117	0118	*TOTALS
Squamous Cell Papilloma	X																			1
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Lacrimal Gland																				2
Lymphoma Malignant																				1
Zymbal's Gland																				2
Carcinoma																				1
Squamous Cell Carcinoma																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Urethra																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear														X						1
Lymphoma Malignant																				1

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:44
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	091	139	504	553	569	608	625	655	655	674	703	709	709	716	738	749	749	749	749	749	749	750	750	750	749	749	749	749	749	749
ANIMAL ID	0014	0019	0021	0031	0032	0070	0081	0082	0082	0084	0086	0087	0088	0081	0090	0091	0092	0095	0095	0096	0096	0096	0098	0099	0092	0098	0099	0100	0100	0104	0105
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	A	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	A	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	A	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	A	+	A	+	M	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																														X	
Mesentery								+										+													
Oral Mucosa			+		+			+																					+		
Squamous Cell Carcinoma			X		X			X																					X		
Pancreas	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	A	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															

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CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	091	139	504	553	569	608	625	655	655	674	703	709	709	716	738	749	749	749	749	749	749	750	750	750	749	749	749	749	749	749
ANIMAL ID	0014	0019	0219	0311	0332	0705	0811	0824	0825	0844	0869	0876	0878	0881	0906	0916	0922	0951	0959	0960	0961	0962	0989	0991	0992	0998	0999	1000	1001	1004	1005
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign							X																								
Pheochromocytoma Malignant																				X											
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															X
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	M	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X			X	X	X	X		X		X			X		X	X	X	X	X	X	X			X		X	X	X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Carcinoma																											X				
General Body System																															
Tissue NOS				+																											
Sarcoma				X																											
Genital System																															
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Uncertain Primary Site									X																						
Schwannoma Malignant														X																	
Ductus Deferens														+																	
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Penis					+																										

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CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	091	139	504	553	569	608	625	655	655	674	703	709	709	716	738	749	749	749	749	749	749	750	750	750	749	749	749	749	749	749
ANIMAL ID	0014	0019	0219	0311	0332	0705	0811	0824	0825	0844	0869	0876	0878	0881	0906	0916	0922	0951	0959	0960	0961	0962	0989	0991	0992	0998	0999	0100	0101	0104	0105
Preputial Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																															
Squamous Cell Carcinoma							X		X		X	X		X	X														X		
Prostate, Dorsal/Lateral Lobe	+	+		+	+								+					+								+					
Schwannoma Malignant														X																	
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Malignant														X																	
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	M	+	+	+	M	M	+	+	+
Seminal Vesicle	+	A	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstit Cell, Adenoma																															
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node	+			A		+		+		+	+	+			+			+	+						+				+	+	+
Lymph Node, Mandibular	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma																															
Thymus	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	M	+	+	+
Integumentary System																															
Mammary Gland	+	A	+	+	+	M	+	M	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma				X							X																				

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CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	091	139	504	553	569	608	625	655	655	674	703	709	709	716	738	749	749	749	749	749	749	749	750	750	750	749	749	749	749	749	749
ANIMAL ID	0014	0019	0021	0031	0033	0070	0081	0082	0082	0084	0086	0087	0088	0088	0090	0091	0092	0095	0095	0096	0096	0096	0098	0099	0099	0098	0099	0099	0100	0100	0104	0105
Adenoma																					X										
Fibroadenoma																			X												
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma									X																						
Fibroma																															
Keratoacanthoma																															
Lipoma								X																							
Sarcoma																															
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain						+																									
Cranial Nerve, Schwannoma Malignant						X																									
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Reticulosis Malignant																						X									
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Meninges, Granular Cell Tumor Benign															X																
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
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CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	091	139	504	553	569	608	625	655	655	674	703	709	709	716	738	749	749	749	749	749	749	750	750	750	749	749	749	749	749	749
ANIMAL ID	0014	0019	0021	0031	0033	0070	0081	0082	0082	0084	0086	0087	0088	0088	0090	0091	0092	0095	0095	0096	0096	0096	0098	0099	0099	0099	0099	0100	0100	0104	0105
Thymoma Malignant, Metastatic, Uncertain Primary Site				X																											
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Osteosarcoma							X																								
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Ear																															
Neural Crest Tumor																															
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Iris, Melanoma Benign																															
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland								+																							
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liposarcoma													X																		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:45
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	0749	0749	0749	0749	0749	0754	0754	0753	0753	0752	0752	0752	0752	0752	0754	0754	0755	0754	0754	
ANIMAL ID	0100 6	0101 1	0101 2	0101 3	0101 4	0103 1	0103 2	0103 3	0103 4	0104 0	0104 1	0104 2	0104 5	0104 6	0105 9	0106 0	0111 2	0111 3	0111 4	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hepatocellular Adenoma																				1
Mesentery									+											3
Oral Mucosa										+	+									6
Squamous Cell Carcinoma										X										5
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				

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I ..Insufficient tissue

M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	749	749	749	749	749	754	754	753	753	752	752	752	752	752	754	754	755	754	754	
ANIMAL ID	1006	1011	1012	1013	1014	1031	1032	1033	1034	1040	1041	1042	1045	1046	1059	1060	1112	1113	1114	*TOTALS
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pheochromocytoma Benign																				1
Pheochromocytoma Malignant																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma						X	X	X		X		X		X			X			26
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Carcinoma																				1
General Body System																				
Tissue NOS																				1
Sarcoma																				1
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Uncertain Primary Site																				1
Schwannoma Malignant																				1
Ductus Deferens																				1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Penis																				1

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CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	749	749	749	749	749	754	754	753	753	752	752	752	752	752	754	754	755	754	754	
ANIMAL ID	1006	1011	1012	1013	1014	1031	1032	1033	1034	1040	1041	1042	1045	1046	1059	1060	1112	1113	1114	*TOTALS
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma							X													1
Squamous Cell Carcinoma																				7
Prostate, Dorsal/Lateral Lobe												+								50
Schwannoma Malignant																				1
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Schwannoma Malignant																				1
Rete Testes	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Interstit Cell, Adenoma													X							1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node									+			+		+						16
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Sarcoma										X										1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adenocarcinoma																				2

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CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	749	749	749	749	749	754	754	753	753	752	752	752	752	752	754	754	755	754	754	
ANIMAL ID	1006	1011	1012	1013	1014	1031	1032	1033	1034	1040	1041	1042	1045	1046	1059	1060	1112	1113	1114	*TOTALS
Adenoma																				1
Fibroadenoma																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma																				1
Fibroma							X						X							2
Keratoacanthoma																			X	1
Lipoma					X															2
Sarcoma																		X		1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain																				1
Cranial Nerve, Schwannoma Malignant																				1
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Reticulosis Malignant																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Meninges, Granular Cell Tumor Benign																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Male
F3/50 PPB TO CTL

DAY ON TEST	0749	0749	0749	0749	0749	0754	0754	0753	0753	0752	0752	0752	0752	0752	0754	0754	0755	0754	0754	
ANIMAL ID	0100 6	0101 1	0101 2	0101 3	0101 4	0103 1	0103 2	0103 3	0103 4	0104 0	0104 1	0104 2	0104 5	0104 6	0105 9	0106 0	0111 2	0111 3	0111 4	*TOTALS
Thymoma Malignant, Metastatic, Uncertain Primary Site																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Osteosarcoma																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Ear									+											1
Neural Crest Tumor									X											1
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Iris, Melanoma Benign											X									1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lacrimal Gland																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Liposarcoma																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

END OF MALE DATA

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:46
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 0PPB

DAY ON TEST	0529	0539	0568	0595	0598	0614	0631	0645	0649	0653	0669	0668	0672	0675	0679	0679	0686	0690	0700	0702	0713	0717	0720	0720	0756	0756	0756	0757	0757	0757	0757	0757
ANIMAL ID	0007	0081	0109	0137	0145	0157	0176	0188	0202	0210	0230	0231	0240	0241	0252	0254	0268	0275	0294	0302	0315	0323	0328	0329	0405	0406	0407	0459	0506	0507	0508
Alimentary System																																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangiocarcinoma																						X										
Hepatocellular Adenoma																																
Mesentery																+												+				
Oral Mucosa													+	+													+					
Squamous Cell Carcinoma													X	X													X					
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																																
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																																
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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Experiment Number: 99920-92
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Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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Date Report Requested: 10/23/2014
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First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 0PPB

DAY ON TEST	0529	0539	0568	0595	0598	0614	0631	0645	0649	0653	0669	0668	0672	0675	0679	0679	0686	0690	0700	0702	0713	0717	0720	0720	0756	0756	0756	0757	0757	0757	0757
ANIMAL ID	0007	0081	0109	0137	0145	0157	0176	0188	0202	0210	0230	0231	0240	0241	0252	0254	0268	0275	0294	0302	0315	0323	0328	0329	0405	0406	0407	0459	0506	0507	0508
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																										X					
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Parathyroid Gland	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma		X	X	X		X			X	X	X			X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															X
Follicular Cel, Adenoma												X																			
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																															
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sertoli Cell Tumor Benign																															
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F1 0PPB

DAY ON TEST	0529	0539	0568	0595	0598	0614	0631	0645	0649	0653	0669	0668	0672	0675	0679	0679	0686	0690	0700	0702	0713	0717	0720	0720	0756	0756	0756	0757	0757	0757	0757
ANIMAL ID	0007 7	0008 1	0010 9	0013 7	0014 5	0015 7	0017 6	0018 8	0020 2	0021 0	0023 0	0023 1	0024 0	0024 1	0025 2	0025 4	0026 8	0027 5	0029 4	0030 2	0031 5	0032 3	0032 8	0032 9	0040 5	0040 6	0040 7	0045 9	0050 6	0050 7	0050 8
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Adenoma								X																							
Polyp Stromal																											X				
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node							+			+									+		+							+	+		+
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																			X			X	X						X		
Adenocarcinoma, Multiple														X																	
Fibroadenoma	X				X	X			X		X	X	X			X		X	X				X	X				X			
Fibroadenoma, Multiple			X				X			X											X	X			X	X	X		X	X	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sebaceous Gl, Carcinoma																									X						
Squamous Cell Papilloma																															
Musculoskeletal System																															

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1 0PPB

DAY ON TEST	0529	0539	0568	0595	0598	0614	0631	0645	0649	0653	0669	0668	0672	0675	0679	0679	0686	0690	0700	0702	0713	0717	0720	0720	0756	0756	0756	0757	0757	0757	0757
ANIMAL ID	0007	0081	0109	0137	0145	0157	0176	0188	0202	0210	0230	0231	0240	0241	0252	0254	0268	0275	0294	0302	0315	0323	0328	0329	0405	0406	0407	0459	0506	0507	0508
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																				+											
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign								X																							
Peripheral Nerve																				+											
Spinal Cord																				A											
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:47
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 0PPB

DAY ON TEST	0529	0539	0568	0595	0598	0614	0631	0645	0649	0653	0669	0668	0672	0675	0679	0679	0686	0690	0700	0702	0713	0717	0720	0720	0756	0756	0756	0757	0757	0757	0757
ANIMAL ID	0007	0081	0109	0137	0145	0157	0176	0188	0202	0210	0230	0231	0240	0241	0252	0254	0268	0275	0294	0302	0315	0323	0328	0329	0405	0406	0407	0459	0506	0507	0508
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:47
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 0PPB

DAY ON TEST	757	758	758	758	758	759	761	761	761	762	762	763	763	763	763	763	763	763	762	762	
ANIMAL ID	009	054	055	056	057	067	068	010	067	008	009	055	056	057	058	059	060	061	062	063	*TOTALS
Alimentary System																					
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Cholangiocarcinoma																					1
Hepatocellular Adenoma		X																			1
Mesentery																					2
Oral Mucosa																					3
Squamous Cell Carcinoma																					3
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Squamous Cell Papilloma										X											1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Cardiovascular System																					
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:47
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 0PPB

DAY ON TEST	757	758	758	758	758	759	761	761	761	762	762	763	763	763	763	763	763	763	762	762	
ANIMAL ID	0050 9	0055 4	0055 5	0055 6	0055 7	0060 7	0060 8	0061 0	0065 7	0070 8	0070 9	0075 5	0075 6	0075 7	0075 8	0075 9	0076 0	0076 1	0076 2	0076 3	*TOTALS
Endocrine System																					
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Adenoma				X																	1
Adrenal Medulla	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	48
Pheochromocytoma Benign											X										2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Adenoma												X									1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	48
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Pars Distalis, Adenoma	X	X		X		X	X		X	X	X	X		X	X		X	X	X	X	38
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
C Cell, Adenoma																				X	2
Follicular Cel, Adenoma																					1
General Body System																					
NONE																					
Genital System																					
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Papilloma	X																				1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Sertoli Cell Tumor Benign															X						1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51

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X ..Lesion present
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A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1 0PPB

DAY ON TEST	757	758	758	758	758	759	761	761	761	762	762	763	763	763	763	763	763	763	762	762	
ANIMAL ID	0050 9	0055 4	0055 5	0055 6	0055 7	0060 7	0060 8	0061 0	0065 7	0070 8	0070 9	0075 5	0075 6	0075 7	0075 8	0075 9	0076 0	0076 1	0076 2	0076 3	*TOTALS
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Endometrium, Adenoma																					1
Polyp Stromal											X										2
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Hematopoietic System																					
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Lymph Node		+		+			+	+		+	+							+	+	+	16
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Integumentary System																					
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Adenocarcinoma		X																			5
Adenocarcinoma, Multiple	X																			X	3
Fibroadenoma						X		X			X						X	X			18
Fibroadenoma, Multiple		X	X	X												X					14
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Sebaceous Gl, Carcinoma																					1
Squamous Cell Papilloma											X										1
Musculoskeletal System																					

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CD Rat Female
F1 0PPB

DAY ON TEST	757	758	758	758	758	759	761	761	761	762	762	763	763	763	763	763	763	763	762	762	
ANIMAL ID	0050 9	0055 4	0055 5	0055 6	0055 7	0060 7	0060 8	0061 0	0065 7	0070 8	0070 9	0075 5	0075 6	0075 7	0075 8	0075 9	0076 0	0076 1	0076 2	0076 3	*TOTALS
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Skeletal Muscle																					1
Nervous System																					
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Granular Cell Tumor Benign																					1
Peripheral Nerve																					1
Spinal Cord																					0
Respiratory System																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Special Senses System																					
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Urinary System																					
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
SYSTEMIC LESIONS																					

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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I ..Insufficient tissue

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CD Rat Female
F1 0PPB

DAY ON TEST	075	075	075	075	075	075	076	076	076	076	076	076	076	076	076	076	076	076	076	076	
ANIMAL ID	0050	0054	0055	0056	0057	0060	0060	0061	0065	0070	0070	0075	0075	0075	0075	0075	0076	0076	0076	0076	*TOTALS
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
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M ..Missing tissue
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CD Rat Female
F1 2PPB

DAY ON TEST	087	349	468	499	504	563	595	594	602	624	644	643	652	667	667	678	684	686	691	702	705	712	729	730	728	739	747	756	756	756	756
ANIMAL ID	0002	0023	0051	0061	0064	0104	0134	0136	0151	0169	0190	0194	0209	0227	0229	0250	0260	0267	0279	0306	0307	0316	0342	0349	0353	0379	0394	0408	0409	0410	0411
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyosarcoma, Metastatic, Uterus									X																						
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																															
Mesentery									+													+									
Leiomyosarcoma, Metastatic, Uterus									X																						
Oral Mucosa																				+											
Squamous Cell Carcinoma																				X											
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinar Cell, Adenoma																															
Salivary Glands	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F1 2PPB

DAY ON TEST	087	349	468	499	504	563	595	594	602	624	644	643	652	667	667	678	684	686	691	702	705	712	729	730	728	739	747	756	756	756	756
ANIMAL ID	0002	0023	0051	0061	0064	0104	0134	0136	0151	0169	0190	0194	0209	0227	0229	0250	0260	0267	0279	0306	0307	0316	0342	0349	0353	0379	0394	0408	0409	0410	0411
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocardium, Schwannoma Malignant																														X	
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																			X												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																X															
Carcinoma, Metastatic, Thyroid Gland															X																
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma				X	X	X	X	X	X	X					X	X	X	X		X	X	X	X	X	X	X		X	X		
Pars Distalis, Carcinoma																											X				
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, C Cell, Carcinoma															X																
C Cell, Adenoma																													X	X	
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1 2PPB

DAY ON TEST	087	349	468	499	504	563	595	594	602	624	644	643	652	667	667	678	684	686	691	702	705	712	729	730	728	739	747	756	756	756	756
ANIMAL ID	0002	0023	0051	0061	0064	0104	0134	0136	0151	0169	0190	0194	0209	0227	0229	0250	0260	0267	0279	0306	0307	0316	0342	0349	0353	0379	0394	0408	0409	0410	0411
Carcinoma																															
Squamous Cell Carcinoma																															
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sertoli Cell Tumor Benign																															
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Adenocarcinoma																															
Leiomyoma																						X									
Leiomyosarcoma									X																						
Polyp Stromal						X																								X	
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Polyp																															
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node	+																					+	+						+		+
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	M	M	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma			X															X							X			X			

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CD Rat Female
F1 2PPB

DAY ON TEST	087	349	468	499	504	563	595	594	602	624	644	643	652	667	667	678	684	686	691	702	705	712	729	730	728	739	747	756	756	756	756	756
ANIMAL ID	0002	0023	0051	0061	0064	0104	0134	0136	0151	0169	0190	0194	0209	0227	0229	0250	0260	0267	0279	0306	0307	0316	0342	0349	0353	0379	0394	0408	0409	0410	0411
Adenocarcinoma, Multiple						X																									
Fibroadenoma									X								X	X		X	X	X	X	X	X						
Fibroadenoma, Multiple											X		X	X					X										X		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma		X																													
Subcut Tiss, Leiomyosarcoma, Metastatic, Uterus									X																						
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pituitary Gland																											X				
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Ear																									+						

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M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Female
F1 2PPB

DAY ON TEST	087	349	468	499	504	563	595	594	602	624	644	643	652	667	667	678	684	686	691	702	705	712	729	730	728	739	747	756	756	756	756
ANIMAL ID	0002	0023	0051	0061	0064	0104	0134	0136	0151	0169	0190	0194	0209	0227	0229	0250	0260	0267	0279	0306	0307	0316	0342	0349	0353	0379	0394	0408	0409	0410	0411
Neural Crest Tumor																									X						
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Renal Tubule, Carcinoma					X										X																
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F1 2PPB

DAY ON TEST	757	757	757	757	757	757	757	758	758	762	761	762	763	763	762	762	762	762	762	
ANIMAL ID	0046 0	0046 1	0046 2	0046 3	0046 4	0051 0	0051 1	0055 8	0055 9	0061 1	0061 2	0065 8	0071 0	0071 1	0071 2	0071 3	0076 4	0076 5	0076 6	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyosarcoma, Metastatic, Uterus																				1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma												X								1
Mesentery																				2
Leiomyosarcoma, Metastatic, Uterus																				1
Oral Mucosa																				1
Squamous Cell Carcinoma																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Acinar Cell, Adenoma								X												1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Female
F1 2PPB

DAY ON TEST	757	757	757	757	757	757	757	758	758	762	761	762	763	763	762	762	762	762	762	
ANIMAL ID	0040	0041	0042	0043	0044	0051	0051	0055	0055	0061	0061	0065	0071	0071	0071	0071	0076	0076	0076	*TOTALS
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocardium, Schwannoma Malignant																				1
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma					X															2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma										X										1
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	47
Adenoma																				1
Carcinoma, Metastatic, Thyroid Gland																				1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X		X	X		X	X	X	X	X		X	X	X	X		X	X	X	35
Pars Distalis, Carcinoma																				1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bilateral, C Cell, Carcinoma																				1
C Cell, Adenoma										X										3
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

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CD Rat Female
F1 2PPB

DAY ON TEST	757	757	757	757	757	757	757	758	758	762	761	762	763	763	762	762	762	762	762	
ANIMAL ID	0046 0	0046 1	0046 2	0046 3	0046 4	0051 0	0051 1	0055 8	0055 9	0061 1	0061 2	0065 8	0071 0	0071 1	0071 2	0071 3	0076 4	0076 5	0076 6	*TOTALS
Carcinoma							X													1
Squamous Cell Carcinoma					X															1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Sertoli Cell Tumor Benign							X													1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endometrium, Adenocarcinoma										X										1
Leiomyoma																				1
Leiomyosarcoma																				1
Polyp Stromal	X					X														4
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Polyp																	X			1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node			+	+			+		+	+			+		+	+	+			14
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	44
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenocarcinoma			X		X					X			X				X			9

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CD Rat Female
F1 2PPB

DAY ON TEST	757	757	757	757	757	757	757	758	758	762	761	762	763	763	762	762	762	762	762	
ANIMAL ID	0046 0	0046 1	0046 2	0046 3	0046 4	0051 0	0051 1	0055 8	0055 9	0061 1	0061 2	0065 8	0071 0	0071 1	0071 2	0071 3	0076 4	0076 5	0076 6	*TOTALS
Adenocarcinoma, Multiple																				1
Fibroadenoma		X		X		X	X						X							14
Fibroadenoma, Multiple	X							X		X	X	X			X	X	X	X		14
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Sarcoma																				1
Subcut Tiss, Leiomyosarcoma, Metastatic, Uterus																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Pituitary Gland																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma					X															1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Ear																				1

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CD Rat Female
F1 2PPB

DAY ON TEST	757	757	757	757	757	757	757	758	758	762	761	762	763	763	762	762	762	762	762	
ANIMAL ID	0040	0041	0042	0043	0044	0051	0051	0055	0055	0061	0061	0065	0071	0071	0071	0071	0076	0076	0076	*TOTALS
Neural Crest Tumor																				1
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bilateral, Renal Tubule, Carcinoma																				2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:49
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 10 PPB

DAY ON TEST	027	039	053	055	055	057	057	058	058	060	063	063	064	065	066	067	067	067	068	068	069	070	070	070	071	072	072	073	073	073	073	075
ANIMAL ID	0017	0034	0083	0089	0093	0112	0115	0117	0120	0152	0175	0180	0191	0213	0225	0238	0244	0247	0269	0276	0282	0289	0296	0313	0319	0338	0345	0355	0358	0369	0415
Alimentary System																																
Esophagus	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	M	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																											X					
Oral Mucosa													+	+								+										
Squamous Cell Carcinoma													X																			
Pancreas	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																					X											
Stomach, Glandular	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																																
Blood Vessel	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																																

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:50
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 10 PPB

DAY ON TEST	0275	0391	0538	0555	0555	0575	0579	0582	0583	0604	0632	0634	0645	0657	0666	0673	0675	0676	0687	0688	0695	0701	0703	0709	0715	0725	0727	0730	0734	0737	0756
ANIMAL ID	0017	0034	0083	0089	0093	0112	0115	0117	0120	0152	0175	0180	0191	0213	0225	0238	0244	0247	0269	0276	0282	0289	0296	0313	0319	0338	0345	0355	0358	0369	0415
Adrenal Cortex	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																											X				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																															
Parathyroid Gland	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X	X		X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X
Thyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
General Body System																															
Tissue NOS										+																					
Sarcoma										X																					
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa Cell Tumor Benign																															
Sertoli Cell Tumor Benign									X																						
Oviduct	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Polyp Stromal																			X	X		X									
Vagina	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
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BLANK ..Not examined microscopically

CD Rat Female
F1 10 PPB

DAY ON TEST	027	039	053	055	055	057	057	058	058	060	063	063	064	065	066	067	067	067	067	068	069	070	070	070	071	072	072	073	073	073	073	075
ANIMAL ID	0017	0034	0083	0089	0093	0112	0115	0117	0120	0152	0175	0180	0191	0213	0225	0238	0244	0247	0269	0276	0282	0289	0296	0313	0319	0338	0345	0355	0358	0369	0415
Granular Cell Tumor Benign																				X											
Polyp					X																										
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node			+																												
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	M	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma			X						X			X										X		X							
Fibroadenoma					X	X						X	X	X	X				X	X				X						X	
Fibroadenoma, Multiple								X			X										X		X		X		X	X	X		X
Skin	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Keratoacanthoma																															
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																													+		
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1 10 PPB

DAY ON TEST	027	039	053	055	055	057	057	058	058	060	063	063	064	065	066	067	067	067	068	068	069	070	070	070	071	072	072	073	073	073	073	075
ANIMAL ID	0017	0034	0083	0089	0093	0112	0115	0117	0120	0152	0175	0180	0191	0213	0225	0238	0244	0247	0269	0276	0282	0289	0296	0313	0319	0338	0345	0355	0358	0369	0415	
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Oligodendroglioma Nos																															X	
Respiratory System																																
Lung	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nose	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Special Senses System																																
Eye	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary System																																
Kidney	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary Bladder	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SYSTEMIC LESIONS																																
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Female
F1 10 PPB

DAY ON TEST	756	754	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	763	
ANIMAL ID	0041 6	0045 3	0046 8	0046 9	0051 3	0051 4	0051 5	0056 1	0056 2	0056 3	0056 4	0061 4	0061 5	0061 6	0066 1	0066 2	0071 8	0071 9	0076 8	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hepatocellular Adenoma																				1
Oral Mucosa															+					4
Squamous Cell Carcinoma																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Papilloma																				1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Endocrine System																				

* ..Total animals with tissue examined microscopically; Total animals with tumor
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CD Rat Female
F1 10 PPB

DAY ON TEST	756	754	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	763	
ANIMAL ID	0041 6	0045 3	0046 8	0046 9	0051 3	0051 4	0051 5	0056 1	0056 2	0056 3	0056 4	0061 4	0061 5	0061 6	0066 1	0066 2	0071 8	0071 9	0076 8	*TOTALS
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																				1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma											X									1
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma		X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	40
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
C Cell, Adenoma									X											1
General Body System																				
Tissue NOS																				1
Sarcoma																				1
Genital System																				
Clitoral Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Granulosa Cell Tumor Benign																	X			1
Sertoli Cell Tumor Benign																				1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Polyp Stromal												X	X							5
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

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CD Rat Female
F1 10 PPB

DAY ON TEST	756	754	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	763	
ANIMAL ID	0041 6	0045 3	0046 8	0046 9	0051 3	0051 4	0051 5	0056 1	0056 2	0056 3	0056 4	0061 4	0061 5	0061 6	0066 1	0066 2	0071 8	0071 9	0076 8	*TOTALS
Granular Cell Tumor Benign																				1
Polyp																				1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node			+									+		+				+	+	6
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	47
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenocarcinoma		X				X					X						X			9
Fibroadenoma			X		X	X		X	X		X					X			X	18
Fibroadenoma, Multiple	X			X						X				X	X			X		15
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Keratoacanthoma				X																1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Skeletal Muscle																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

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CD Rat Female
F1 10 PPB

DAY ON TEST	756	754	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	763	
ANIMAL ID	0041 6	0045 3	0046 8	0046 9	0051 3	0051 4	0051 5	0056 1	0056 2	0056 3	0056 4	0061 4	0061 5	0061 6	0066 1	0066 2	0071 8	0071 9	0076 8	*TOTALS
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Oligodendroglioma Nos																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:51
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 50 PPB

DAY ON TEST	028	056	058	059	059	061	062	064	065	065	065	065	066	066	067	068	068	068	070	070	071	072	072	072	073	075	075	075	075	075	075
ANIMAL ID	0018	0072	0123	0129	0143	0155	0170	0195	0203	0207	0212	0216	0223	0224	0236	0253	0265	0277	0291	0308	0314	0330	0343	0344	0351	0419	0420	0421	0474	0475	0476
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoid Tiss, Leukemia Mononuclear						X																									
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoid Tiss, Leukemia Mononuclear						X																									
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Malignant, Metastatic, Vagina									X																						
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																	X														
Leukemia Mononuclear						X																									
Lymphoma Malignant																				X											
Mesentery																														+	
Oral Mucosa															+							+									
Squamous Cell Carcinoma															X							X									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinar Cell, Adenocarcinoma																															
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1 50 PPB

DAY ON TEST	028	051	058	059	059	061	062	064	065	065	065	065	066	066	066	067	068	068	068	069	070	070	071	071	072	072	072	073	075	075	075	075	075	075
ANIMAL ID	0001	0002	0012	0012	0014	0015	0017	0019	0020	0020	0021	0021	0022	0022	0022	0023	0025	0025	0026	0027	0029	0030	0031	0031	0033	0033	0034	0035	0041	0042	0042	0044	0044	0046
Leukemia Mononuclear						X																												
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																																		
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																												
Endocrine System																																		
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma			X																															
Leukemia Mononuclear						X																												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																												
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma									X																									
Carcinoma																																		
Parathyroid Gland	+	+	+	M	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	M
Adenoma																																		
Leukemia Mononuclear						X																												
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																												
Pars Distalis, Adenoma		X	X	X			X	X		X	X	X	X	X		X		X	X	X	X	X			X	X	X	X	X	X	X	X	X

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X ..Lesion present
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M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Female
F1 50 PPB

DAY ON TEST	028	051	058	059	059	061	062	064	065	065	065	065	066	066	067	068	068	068	070	070	070	071	072	072	072	073	075	075	075	075	075	075
ANIMAL ID	0001	0002	0012	0012	0014	0015	0017	0019	0020	0020	0021	0021	0022	0022	0023	0025	0026	0027	0029	0030	0031	0031	0033	0034	0034	0035	0041	0042	0042	0047	0047	0047
	8	2	3	9	3	5	0	5	3	7	2	6	3	4	6	3	5	7	1	8	4	0	3	4	4	1	9	0	1	4	5	6
Pars Distalis, Carcinoma									X																							
Pars Nervosa, Schwannoma Malignant, Metastatic, Nose	X																															
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																						X										
Leukemia Mononuclear						X																										
General Body System																																
NONE																																
Genital System																																
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma										X	X																					
Carcinoma																					X											
Leukemia Mononuclear						X																										
Squamous Cell Carcinoma																													X			
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																										
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																										
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cervix, Squamous Cell Carcinoma						X																										
Endometrium, Adenoma																														X		
Leukemia Mononuclear						X																										

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CD Rat Female
F1 50 PPB

DAY ON TEST	028	051	058	059	059	061	062	064	065	065	065	065	066	066	066	067	068	068	068	069	070	070	071	071	072	072	072	073	075	075	075	075	075	075
ANIMAL ID	0001	0002	0012	0012	0014	0015	0017	0019	0020	0020	0021	0021	0022	0022	0022	0023	0025	0026	0027	0027	0029	0030	0031	0033	0033	0034	0034	0035	0041	0042	0042	0044	0047	0047
	8	2	3	9	3	5	0	5	3	7	2	6	3	4	6	6	4	5	7	7	1	8	4	0	3	3	4	1	9	0	1	4	5	6
Polyp Stromal							X			X													X	X		X								
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Granular Cell Tumor Malignant									X																									
Leukemia Mononuclear						X																												
Hematopoietic System																																		
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																												
Lymphoma Malignant																						X												
Lymph Node						+			+				+						+			+												
Axillary, Lymphoma Malignant																						X												
Deep Cervical, Lymphoma Malignant																						X												
Lumbar, Leukemia Mononuclear						X																												
Lumbar, Lymphoma Malignant																						X												
Mediastinal, Lymphoma Malignant																						X												
Pancreatic, Lymphoma Malignant																						X												
Popliteal, Lymphoma Malignant																						X												
Renal, Leukemia Mononuclear						X																												
Renal, Lymphoma Malignant																						X												
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																												
Lymphoma Malignant																						X												
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F1 50 PPB

DAY ON TEST	028	051	058	059	059	061	062	064	065	065	065	065	066	066	067	067	068	068	068	069	070	070	071	071	072	072	072	073	075	075	075	075	075	075
ANIMAL ID	0018	0072	0123	0129	0143	0155	0170	0195	0203	0207	0212	0216	0223	0224	0236	0253	0265	0277	0291	0308	0314	0330	0343	0344	0351	0419	0420	0421	0474	0475	0476
Leukemia Mononuclear						X																									
Lymphoma Malignant																				X											
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																									
Lymphoma Malignant																				X											
Sarcoma																															
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																									
Lymphoma Malignant																				X											
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																		X								X					
Adenocarcinoma, Multiple			X				X															X									
Fibroadenoma					X				X	X		X				X	X	X	X				X	X			X	X	X		
Fibroadenoma, Multiple																						X			X					X	X
Lymphoma Malignant																				X											
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																									+						
Nervous System																															

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CD Rat Female
F1 50 PPB

DAY ON TEST	028	051	058	059	059	061	062	064	065	065	065	065	066	066	066	067	068	068	068	069	070	070	071	071	072	072	072	073	075	075	075	075	075	075
ANIMAL ID	0018	0072	0123	0129	0143	0155	0170	0195	0203	0207	0212	0216	0223	0224	0236	0253	0265	0277	0291	0308	0314	0330	0343	0344	0351	0419	0420	0421	0474	0475	0476
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pituitary Gland									X																						
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																									
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																									
Schwannoma Malignant	X																														
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																									
Special Senses System																															
Eye	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Leukemia Mononuclear						X																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																									
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Renal Tubule, Carcinoma			X																												

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CD Rat Female
F1 50 PPB

DAY ON TEST	028	051	058	059	059	061	062	064	065	065	065	065	066	066	067	068	068	068	070	070	071	071	072	072	072	073	075	075	075	075	075	075
ANIMAL ID	0018	0072	0123	0129	0143	0155	0170	0195	0203	0207	0212	0216	0223	0224	0236	0253	0265	0277	0291	0308	0314	0330	0343	0344	0351	0419	0420	0421	0474	0475	0476
Leukemia Mononuclear						X																									
Lymphoma Malignant																				X											
Renal Tubule, Adenoma																															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+
Leukemia Mononuclear						X																									
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X																									
Lymphoma Malignant																				X											

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CD Rat Female
F1 50 PPB

DAY ON TEST	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	762	762	756	
ANIMAL ID	00520	00521	00522	00523	00524	00567	00568	00569	00570	00621	00622	00623	00666	00667	00668	00669	00670	00722	00770	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoid Tiss, Leukemia Mononuclear																				1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoid Tiss, Leukemia Mononuclear																				1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granular Cell Tumor Malignant, Metastatic, Vagina																				1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma																			X	2
Leukemia Mononuclear																				1
Lymphoma Malignant																				1
Mesentery																				1
Oral Mucosa		+												+						4
Squamous Cell Carcinoma																				2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Acinar Cell, Adenocarcinoma					X															1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Female
F1 50 PPB

DAY ON TEST	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	762	762	756	
ANIMAL ID	0052 0	0052 1	0052 2	0052 3	0052 4	0056 7	0056 8	0056 9	0057 0	0062 1	0062 2	0062 3	0066 6	0066 7	0066 8	0066 9	0067 0	0072 2	0077 0	*TOTALS
Leukemia Mononuclear																				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Leukemia Mononuclear																				1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																				1
Carcinoma					X															1
Parathyroid Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	43
Adenoma										X										1
Leukemia Mononuclear																				1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Pars Distalis, Adenoma		X	X	X		X		X	X	X	X	X		X	X		X	X	X	37

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CD Rat Female
F1 50 PPB

DAY ON TEST	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	762	762	762	756	
ANIMAL ID	0052 0	0052 1	0052 2	0052 3	0052 4	0056 7	0056 8	0056 9	0057 0	0062 1	0062 2	0062 3	0066 6	0066 7	0066 8	0066 9	0067 0	0072 2	0077 0		*TOTALS
Pars Distalis, Carcinoma																					1
Pars Nervosa, Schwannoma Malignant, Metastatic, Nose																					1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
C Cell, Adenoma																					1
Leukemia Mononuclear																					1
General Body System																					
NONE																					
Genital System																					
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Adenoma																					2
Carcinoma																					1
Leukemia Mononuclear																					1
Squamous Cell Carcinoma																					1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Leukemia Mononuclear																					1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Leukemia Mononuclear																					1
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Cervix, Squamous Cell Carcinoma																					1
Endometrium, Adenoma																	X				2
Leukemia Mononuclear																					1

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CD Rat Female
F1 50 PPB

DAY ON TEST	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	762	762	762	756	
ANIMAL ID	00520	00521	00522	00523	00524	00567	00568	00569	00570	00621	00622	00623	00666	00667	00668	00669	00670	00722	00770		*TOTALS
Polyp Stromal																					5
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49
Granular Cell Tumor Malignant																					1
Leukemia Mononuclear																					1
Hematopoietic System																					
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Leukemia Mononuclear																					1
Lymphoma Malignant																					1
Lymph Node				+			+								+	+	+				10
Axillary, Lymphoma Malignant																					1
Deep Cervical, Lymphoma Malignant																					1
Lumbar, Leukemia Mononuclear																					1
Lumbar, Lymphoma Malignant																					1
Mediastinal, Lymphoma Malignant																					1
Pancreatic, Lymphoma Malignant																					1
Popliteal, Lymphoma Malignant																					1
Renal, Leukemia Mononuclear																					1
Renal, Lymphoma Malignant																					1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Leukemia Mononuclear																					1
Lymphoma Malignant																					1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1 50 PPB

DAY ON TEST	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	762	762	756	
ANIMAL ID	0052 0	0052 1	0052 2	0052 3	0052 4	0056 7	0056 8	0056 9	0057 0	0062 1	0062 2	0062 3	0066 6	0066 7	0066 8	0066 9	0067 0	0072 2	0077 0	*TOTALS
Leukemia Mononuclear																				1
Lymphoma Malignant																				1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Lymphoma Malignant																				1
Sarcoma					X															1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																				1
Lymphoma Malignant																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma	X		X						X			X								6
Adenocarcinoma, Multiple																				3
Fibroadenoma	X				X	X		X	X	X		X	X			X				22
Fibroadenoma, Multiple																			X	5
Lymphoma Malignant																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				1
Nervous System																				

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CD Rat Female
F1 50 PPB

DAY ON TEST	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	762	762	756	
ANIMAL ID	0052 0	0052 1	0052 2	0052 3	0052 4	0056 7	0056 8	0056 9	0057 0	0062 1	0062 2	0062 3	0066 6	0066 7	0066 8	0066 9	0067 0	0072 2	0077 0	*TOTALS
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Pituitary Gland																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Schwannoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Bilateral, Leukemia Mononuclear																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bilateral, Renal Tubule, Carcinoma																				1

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CD Rat Female
F1 50 PPB

DAY ON TEST	757	757	757	757	757	758	758	758	758	761	761	761	762	762	762	762	762	762	756	
ANIMAL ID	0052 0	0052 1	0052 2	0052 3	0052 4	0056 7	0056 8	0056 9	0057 0	0062 1	0062 2	0062 3	0066 6	0066 7	0066 8	0066 9	0067 0	0072 2	0077 0	*TOTALS
Leukemia Mononuclear																				1
Lymphoma Malignant																				1
Renal Tubule, Adenoma							X													1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																				1
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																				1
Lymphoma Malignant																				1

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CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	087	406	452	503	509	515	514	530	538	542	569	592	597	618	618	620	632	634	661	666	670	673	675	683	689	685	725	729	730	737	736
ANIMAL ID	0003	0036	0045	0065	0066	0073	0074	0078	0080	0084	0106	0133	0142	0163	0164	0165	0178	0181	0220	0235	0237	0239	0248	0256	0270	0273	0339	0341	0352	0366	0377
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																															
Lymphoma Malignant																										X					
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																															
Lymphoma Malignant													X													X					
Mesentery		+																									+				
Oral Mucosa														+							+	+									
Squamous Cell Carcinoma																					X	X									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X													X					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X													X					
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																															

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CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	087	406	452	503	509	515	514	530	538	542	569	592	597	618	618	620	632	634	661	666	670	673	675	683	689	685	725	729	730	737	736
ANIMAL ID	0003	0036	0045	0065	0066	0073	0074	0078	0080	0084	0106	0133	0142	0163	0164	0165	0178	0181	0220	0235	0237	0239	0248	0256	0270	0273	0339	0341	0352	0366	0377
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tooth						+																									
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X																		
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X													X					
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X	X			X		X	X	X	X	X		X	X	X		X	X				X	X	X	X	X	X	X	X
Pars Distalis, Carcinoma																							X								
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																														X	
C Cell, Carcinoma																															
Follicular Cel, Adenoma													X																		
Follicular Cel, Carcinoma																	X												X		
Lymphoma Malignant													X													X					

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:55
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	087	406	452	503	509	515	514	530	538	542	569	592	597	618	618	620	632	634	661	666	670	673	675	683	689	685	725	729	730	737	736
ANIMAL ID	0003	0036	0045	0065	0066	0073	0074	0078	0080	0084	0106	0133	0142	0163	0164	0165	0178	0181	0220	0235	0237	0239	0248	0256	0270	0273	0339	0341	0352	0366	0377
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																	X														
Lymphoma Malignant													X													X					
Sarcoma																															
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Kidney																	X														
Granulosa Cell Tumor Benign																															
Lymphoma Malignant													X																		
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Adenoma																															
Lymphoma Malignant																										X					
Polyp Stromal															X			X									X				
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X																		
Polyp																															
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	087	406	452	503	509	515	514	530	538	542	569	592	597	618	618	620	632	634	661	666	670	673	675	683	689	685	725	729	730	737	736
ANIMAL ID	0003	0036	0045	0065	0066	0073	0074	0078	0080	0084	0106	0133	0142	0163	0164	0165	0178	0181	0220	0235	0237	0239	0248	0256	0270	0273	0339	0341	0352	0366	0377
Lymphoma Malignant																										X					
Lymph Node	+																					+				+		+	+		+
Carcinoma, Metastatic, Thyroid Gland																													X		
Deep Cervical, Carcinoma, Metastatic, Thyroid Gland																															
Lumbar, Lymphoma Malignant																										X					
Mediastinal, Lymphoma Malignant																										X					
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X													X					
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X													X					
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X																		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	M	M	+	M	+	+	+	+	+	+	+	+
Lymphoma Malignant																										X					
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																			X										X		
Fibroadenoma			X		X							X				X	X						X	X		X		X	X		X
Fibroadenoma, Multiple								X	X				X								X						X				
Lymphoma Malignant													X													X					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female F1/2PPB TO CTL																															
DAY ON TEST	087	406	452	503	509	515	514	530	538	542	569	592	597	618	618	620	632	634	661	666	670	673	675	683	689	685	725	729	730	737	736
ANIMAL ID	0003	0036	0045	0065	0066	0073	0074	0078	0080	0084	0106	0133	0142	0163	0164	0165	0178	0181	0220	0235	0237	0239	0248	0256	0270	0273	0339	0341	0352	0366	0377
Lymphoma Malignant													X													X					
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pituitary Gland																							X								
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Nos																															
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X													X					
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																										X					
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X													X					
Squamous Cell Carcinoma, Deep Invasion																					X										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X													X					

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:56
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	087	406	452	503	509	515	514	530	538	542	569	592	597	618	618	620	632	634	661	666	670	673	675	683	689	685	725	729	730	737	736
ANIMAL ID	0003	0036	0045	0065	0066	0073	0074	0078	0080	0084	0106	0133	0142	0163	0164	0165	0178	0181	0220	0235	0237	0239	0248	0256	0270	0273	0339	0341	0352	0366	0377
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Renal Tubule, Carcinoma																	X														
Lymphoma Malignant													X													X					
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X													X					

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M ..Missing tissue
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CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	0748	0756	0756	0756	0752	0757	0757	0757	0757	0758	0757	0761	0762	0762	0763	0763	0762	0762	0762	
ANIMAL ID	0039 6	0041 2	0041 3	0041 4	0045 0	0046 5	0046 6	0046 7	0051 2	0055 0	0060 3	0061 3	0065 9	0066 0	0071 4	0071 5	0071 6	0071 7	0076 7	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma													X							1
Lymphoma Malignant																				1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma																			X	1
Lymphoma Malignant																				2
Mesentery																				2
Oral Mucosa		+									+									5
Squamous Cell Carcinoma		X																		3
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Papilloma													X							1

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X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	0748	0756	0756	0756	0752	0757	0757	0757	0757	0758	0757	0761	0762	0762	0763	0763	0762	0762	0762	
ANIMAL ID	0039 6	0041 2	0041 3	0041 4	0045 0	0046 5	0046 6	0046 7	0051 2	0055 6	0060 3	0061 3	0065 9	0066 0	0071 4	0071 5	0071 6	0071 7	0076 7	*TOTALS
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Tooth																				1
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma			X																	1
Adrenal Medulla	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	46
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X		37
Pars Distalis, Carcinoma																				1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma																				1
C Cell, Carcinoma																			X	1
Follicular Cel, Adenoma																				1
Follicular Cel, Carcinoma																				2
Lymphoma Malignant																				2

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CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	0748	0756	0756	0756	0752	0757	0757	0757	0757	0758	0757	0761	0762	0762	0763	0763	0762	0762	0762	
ANIMAL ID	0039 6	0041 2	0041 3	0041 4	0045 0	0046 5	0046 6	0046 7	0051 2	0055 6 0	0060 3	0061 3	0065 9	0066 0	0071 4	0071 5	0071 6	0071 7	0076 7	*TOTALS
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma																				1
Lymphoma Malignant																				2
Sarcoma			X																	1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Kidney																				1
Granulosa Cell Tumor Benign									X											1
Lymphoma Malignant																				1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endometrium, Adenoma								X												1
Lymphoma Malignant																				1
Polyp Stromal							X										X			5
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Polyp		X																		1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	748	756	756	756	752	757	757	757	757	758	757	761	762	762	763	763	762	762	762	
ANIMAL ID	0039 6	0041 2	0041 3	0041 4	0045 0	0046 5	0046 6	0046 7	0051 2	0055 6	0060 3	0061 3	0065 9	0066 0	0071 4	0071 5	0071 6	0071 7	0076 7	*TOTALS
Lymphoma Malignant																				1
Lymph Node	+	+		+	+						+		+		+			+	+	15
Carcinoma, Metastatic, Thyroid Gland																				1
Deep Cervical, Carcinoma, Metastatic, Thyroid Gland																			X	1
Lumbar, Lymphoma Malignant																				1
Mediastinal, Lymphoma Malignant																				1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Lymphoma Malignant																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenocarcinoma																X				3
Fibroadenoma		X		X	X					X	X									16
Fibroadenoma, Multiple						X		X	X			X					X			10
Lymphoma Malignant																				2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	0748	0756	0756	0756	0752	0757	0757	0757	0757	0758	0757	0761	0762	0762	0763	0763	0762	0762	0762	
ANIMAL ID	0039 6	0041 2	0041 3	0041 4	0045 0	0046 5	0046 6	0046 7	0051 2	0055 6 0	0060 3	0061 3	0065 9	0066 0	0071 4	0071 5	0071 6	0071 7	0076 7	*TOTALS
Lymphoma Malignant																				2
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Pituitary Gland																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Astrocytoma Nos												X								1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2
Squamous Cell Carcinoma, Deep Invasion																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2

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CD Rat Female
F1/2PPB TO CTL

DAY ON TEST	748	756	756	756	752	757	757	757	757	758	757	761	762	762	763	763	762	762	762	
ANIMAL ID	0039 6	0041 2	0041 3	0041 4	0045 0	0046 5	0046 6	0046 7	0051 2	0056 0	0060 3	0061 3	0065 9	0066 0	0071 4	0071 5	0071 6	0071 7	0076 7	*TOTALS
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bilateral, Renal Tubule, Carcinoma																				1
Lymphoma Malignant																				2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				2

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CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	025	047	049	051	051	053	054	056	056	061	063	063	064	064	066	067	068	070	070	071	071	071	071	072	073	073	073	074	074	075	075	075
ANIMAL ID	0015	0053	0058	0067	0075	0082	0086	0012	0105	0154	0177	0185	0186	0196	0232	0245	0266	0292	0293	0318	0320	0327	0333	0354	0370	0378	0392	0393	0417	0418	0470
Alimentary System																																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyoma																															
Lymphoma Malignant																												X			
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																					X										
Lymphoma Malignant																												X			
Mesentery																															
Mesothelioma Malignant																															
Oral Mucosa														+	+				+					+	+			+			
Lymphoma Malignant																												X			
Squamous Cell Carcinoma																									X						

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CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	025	047	049	051	051	053	054	056	056	061	063	063	064	064	066	067	068	070	070	071	071	071	072	073	073	073	074	074	075	075	075
ANIMAL ID	0015	0053	0058	0067	0075	0082	0086	0102	0105	0154	0177	0185	0186	0196	0232	0245	0266	0292	0293	0318	0320	0327	0333	0354	0370	0378	0392	0393	0417	0418	0470
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																										X					
Lymphoma Malignant																												X			
Adrenal Medulla	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																															
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			

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CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	025	047	049	051	051	053	054	056	056	061	063	063	064	064	066	067	068	070	070	071	071	071	072	073	073	073	074	074	075	075	075
ANIMAL ID	0015	0053	0058	0067	0075	0082	0086	0102	0105	0154	0177	0185	0186	0196	0232	0245	0266	0292	0293	0318	0320	0327	0333	0354	0370	0378	0392	0393	0417	0418	0470
Pars Distalis, Adenoma						X	X	X	X	X			X	X		X	X	X	X	X	X	X	X	X		X	X		X	X	X
Pars Distalis, Carcinoma												X																			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma								X																	X						X
Lymphoma Malignant																												X			
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Adenoma																											X				
Fibrous Histiocytoma					X																										
Lymphoma Malignant																												X			
Polyp Stromal													X		X					X											X
Sarcoma Stromal																															
Vagina	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+
Lymphoma Malignant																												X			

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:52:58
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	025	047	049	051	051	053	054	056	056	061	063	063	064	064	066	067	068	070	070	071	071	071	071	072	073	073	073	074	074	075	075	075
ANIMAL ID	0015	0053	0058	0067	0075	0082	0086	0102	0105	0154	0177	0185	0186	0196	0232	0245	0266	0292	0293	0318	0320	0327	0333	0354	0370	0378	0392	0393	0417	0418	0470
Hematopoietic System																																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Lymph Node																					+				+	+		+		+	
Axillary, Lymphoma Malignant																												X			
Deep Cervical, Lymphoma Malignant																												X			
Inguinal, Lymphoma Malignant																												X			
Lumbar, Lymphoma Malignant																												X			
Mediastinal, Lymphoma Malignant																												X			
Renal, Lymphoma Malignant																												X			
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Thymus	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Integumentary System																																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma		X							X								X		X		X										
Fibroadenoma				X		X		X					X		X				X		X		X		X			X		X	

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female F1/10PPB TO CTL																															
DAY ON TEST	025 4	047 7	049 1	051 0	051 9	053 7	054 6	056 1	056 6	061 2	063 2	063 9	064 1	064 6	066 8	067 4	068 7	070 1	070 2	071 5	071 4	071 7	072 4	073 0	073 7	073 8	074 8	074 8	075 6	075 6	075 7
ANIMAL ID	0001 5	0005 3	0005 8	0006 7	0007 5	0008 2	0008 6	0010 2	0010 5	0011 5 4	0011 7 7	0011 8 5	0011 8 6	0011 9 6	0012 3 2	0012 4 5	0012 6 6	0012 9 2	0012 9 3	0013 1 8	0013 2 0	0013 2 7	0013 3 3	0013 5 4	0013 7 0	0013 7 8	0013 9 2	0013 9 3	0014 1 7	0014 1 8	0014 7 0
Fibroadenoma, Multiple											X							X				X							X		X
Lymphoma Malignant																												X			
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Carcinoma														X																	
Fibrous Histiocytoma																									X						
Keratoacanthoma																					X										
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Skeletal Muscle									+							+											+	+			
Lymphoma Malignant																												X			
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pituitary Gland												X																			
Lymphoma Malignant																												X			
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve									+							+															
Spinal Cord									A							A															
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	025	047	049	051	051	053	054	056	056	061	063	063	064	064	066	067	068	070	070	071	071	071	072	073	073	073	074	074	075	075	075
ANIMAL ID	0015	0053	0058	0067	0075	0082	0086	0102	0105	0154	0177	0185	0186	0196	0232	0245	0266	0292	0293	0318	0320	0327	0333	0354	0370	0378	0392	0393	0417	0418	0470
Alveolar/Bronchiolar Adenoma																														X	
Lymphoma Malignant																												X			
Nephroblastoma, Metastatic, Kidney	X																														
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Special Senses System																															
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Nephroblastoma	X																														
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X			
Mesothelioma Malignant																															

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\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	757	757	757	757	757	757	757	758	758	761	761	761	761	762	762	762	763	762	763	
ANIMAL ID	0047 1	0047 2	0047 3	0051 6	0051 7	0051 8	0051 9	0055 5	0056 6	0061 7	0061 8	0061 9	0062 0	0066 3	0066 4	0066 5	0072 0	0072 1	0076 9	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyoma	X																			1
Lymphoma Malignant																				1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma																				1
Lymphoma Malignant																				1
Mesentery									+											1
Mesothelioma Malignant									X											1
Oral Mucosa			+																	7
Lymphoma Malignant																				1
Squamous Cell Carcinoma			X																	2

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CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	757	757	757	757	757	757	757	758	758	761	761	761	761	762	762	762	763	762	763	
ANIMAL ID	0047 1	0047 2	0047 3	0051 6	0051 7	0051 8	0051 9	0056 5	0056 6	0061 7	0061 8	0061 9	0062 0	0066 3	0066 4	0066 5	0072 0	0072 1	0076 9	*TOTALS
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																X				2
Lymphoma Malignant																				1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	48
Pheochromocytoma Benign																		X		1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Parathyroid Gland	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	44
Lymphoma Malignant																				1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1

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CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	757	757	757	757	757	757	757	758	758	761	761	761	761	762	762	762	763	762	763	
ANIMAL ID	0047 1	0047 2	0047 3	0051 6	0051 7	0051 8	0051 9	0056 5	0056 6	0061 7	0061 8	0061 9	0062 0	0066 3	0066 4	0066 5	0072 0	0072 1	0076 9	*TOTALS
Pars Distalis, Adenoma	X	X	X	X	X	X		X	X	X	X		X		X	X	X	X		36
Pars Distalis, Carcinoma																				1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma																				3
Lymphoma Malignant																				1
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endometrium, Adenoma																	X			2
Fibrous Histiocytoma																				1
Lymphoma Malignant																				1
Polyp Stromal										X									X	6
Sarcoma Stromal										X										1
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																				1

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CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	757	757	757	757	757	757	757	758	758	761	761	761	761	762	762	762	763	762	763	
ANIMAL ID	0047 1	0047 2	0047 3	0051 6	0051 7	0051 8	0051 9	0056 5	0056 6	0061 7	0061 8	0061 9	0062 0	0066 3	0066 4	0066 5	0072 0	0072 1	0076 9	*TOTALS
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Lymph Node		+				+	+				+					+	+		+	12
Axillary, Lymphoma Malignant																				1
Deep Cervical, Lymphoma Malignant																				1
Inguinal, Lymphoma Malignant																				1
Lumbar, Lymphoma Malignant																				1
Mediastinal, Lymphoma Malignant																				1
Renal, Lymphoma Malignant																				1
Lymph Node, Mandibular	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	46
Lymphoma Malignant																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma	X				X	X														8
Fibroadenoma						X						X	X		X					15

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CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	757	757	757	757	757	757	757	758	758	761	761	761	761	762	762	762	763	762	763	
ANIMAL ID	0047 1	0047 2	0047 3	0051 6	0051 7	0051 8	0051 9	0056 5	0056 6	0061 7	0061 8	0061 9	0062 0	0066 3	0066 4	0066 5	0072 0	0072 1	0076 9	*TOTALS
Fibroadenoma, Multiple		X					X	X	X	X				X		X		X		13
Lymphoma Malignant																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Carcinoma																				1
Fibrous Histiocytoma																				1
Keratoacanthoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Skeletal Muscle																				4
Lymphoma Malignant																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Pituitary Gland																				1
Lymphoma Malignant																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Peripheral Nerve																				2
Spinal Cord																				0
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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M ..Missing tissue
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CD Rat Female
F1/10PPB TO CTL

DAY ON TEST	757	757	757	757	757	757	757	758	758	761	761	761	761	762	762	762	763	762	763	
ANIMAL ID	0047 1	0047 2	0047 3	0051 6	0051 7	0051 8	0051 9	0056 5	0056 6	0061 7	0061 8	0061 9	0062 0	0066 3	0066 4	0066 5	0072 0	0072 1	0076 9	*TOTALS
Alveolar/Bronchiolar Adenoma																				1
Lymphoma Malignant																				1
Nephroblastoma, Metastatic, Kidney																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Nephroblastoma																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Mesothelioma Malignant									X											1

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\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	044	049	051	056	057	059	059	061	062	063	064	065	065	066	066	068	069	069	069	069	070	070	071	072	072	073	073	074	074	075	075	075
ANIMAL ID	0035	0060	0071	0101	0111	0130	0144	0161	0166	0171	0189	0208	0221	0222	0228	0272	0280	0283	0288	0295	0300	0321	0335	0350	0363	0376	0382	0391	0422	0423	0477
Alimentary System																																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyoma																		X														
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangioma																																
Hepatocellular Adenoma																		X														
Hepatocellular Adenoma, Multiple																			X													
Oral Mucosa					+					+			+																	+		
Squamous Cell Carcinoma										X																						
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																																
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	0404	0495	0511	0561	0574	0593	0598	0617	0620	0632	0645	0652	0653	0665	0667	0689	0695	0696	0698	0701	0702	0715	0724	0728	0736	0738	0742	0746	0756	0756	0757
ANIMAL ID	0035	0060	0071	0101	0111	0130	0144	0161	0166	0171	0189	0208	0221	0222	0228	0272	0280	0283	0288	0295	0300	0321	0335	0350	0363	0376	0382	0391	0422	0423	0477
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																						X	X								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																												X			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Parathyroid Gland	+	+	+	+	+	+	+	M	+	M	+	+	+	+	I	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Pituitary Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma				X		X		X				X		X		X	X	X	X		X	X	X	X	X	X		X	X	X	
Pars Distalis, Carcinoma									X																						
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Carcinoma																															
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa Cell Tumor Benign																							X								
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
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M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	0404	0495	0511	0561	0574	0593	0598	0617	0620	0632	0645	0652	0653	0665	0667	0689	0695	0696	0698	0701	0702	0715	0724	0728	0736	0738	0742	0746	0756	0756	0757
ANIMAL ID	0035	0060	0071	0101	0111	0130	0144	0161	0166	0171	0189	0208	0221	0222	0228	0272	0280	0283	0288	0295	0300	0321	0335	0350	0363	0376	0382	0391	0422	0423	0477
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Adenoma																															
Polyp Stromal				X												X	X														X
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node							+		+			+						+		+			+								
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Thymoma Benign																		X													
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma		X						X	X									X			X				X	X	X				
Fibroadenoma			X		X	X		X	X	X	X	X	X	X				X			X	X			X		X			X	
Fibroadenoma, Multiple															X		X			X											
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma	X																														
Sarcoma											X																				
Subcut Tiss, Granular Cell Tumor Benign																															
Subcut Tiss, Lipoma																													X		

* ..Total animals with tissue examined microscopically; Total animals with tumor
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I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:53:01
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	0404	0495	0511	0561	0574	0593	0598	0617	0620	0632	0645	0652	0653	0665	0667	0689	0695	0696	0698	0701	0702	0715	0724	0728	0736	0738	0742	0746	0756	0756	0757
ANIMAL ID	0035	0060	0071	0101	0111	0130	0144	0161	0166	0171	0189	0208	0221	0222	0228	0272	0280	0283	0288	0295	0300	0321	0335	0350	0363	0376	0382	0391	0422	0423	0477
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																									+						
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pituitary Gland									X																						
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Zymbal's Gland																						+									
Carcinoma																						X									
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	0404	0495	0511	0561	0574	0593	0598	0617	0620	0632	0645	0652	0653	0665	0667	0689	0695	0696	0698	0701	0702	0715	0724	0728	0736	0738	0742	0746	0756	0756	0757
ANIMAL ID	0035	0060	0071	0101	0111	0130	0144	0161	0166	0171	0189	0208	0221	0222	0228	0272	0280	0283	0288	0295	0300	0321	0335	0350	0363	0376	0382	0391	0422	0423	0477
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	757	757	757	757	757	758	758	762	762	761	761	761	762	762	762	762	763	762	763	
ANIMAL ID	0048	0049	0055	0056	0057	0057	0057	0062	0062	0062	0062	0062	0071	0072	0073	0074	0073	0074	0071	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyoma																				1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cholangioma	X																			1
Hepatocellular Adenoma													X							2
Hepatocellular Adenoma, Multiple																				1
Oral Mucosa																				4
Squamous Cell Carcinoma																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
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CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	757	757	757	757	757	758	758	762	762	761	761	761	762	762	762	762	763	762	763	
ANIMAL ID	0048	0049	0055	0056	0057	0057	0057	0062	0062	0062	0062	0062	0067	0067	0067	0067	0072	0072	0071	*TOTALS
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma															X					3
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pheochromocytoma Benign										X										2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma		X																		1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Adenoma									X											1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma		X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	34
Pars Distalis, Carcinoma																				1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Carcinoma									X											1
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granulosa Cell Tumor Benign										X										2
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	757	757	757	757	757	758	758	762	762	761	761	761	762	762	762	762	763	762	763	
ANIMAL ID	0048	0049	0055	0056	0057	0057	0057	0062	0062	0062	0062	0062	0067	0067	0067	0067	0072	0072	0071	*TOTALS
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endometrium, Adenoma							X													1
Polyp Stromal							X								X			X		7
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node				+						+		+			+	+	+		+	13
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Thymoma Benign																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma				X											X	X				11
Fibroadenoma		X					X					X			X	X				21
Fibroadenoma, Multiple	X		X		X	X				X	X		X	X			X	X		13
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrous Histiocytoma																				1
Sarcoma																				1
Subcut Tiss, Granular Cell Tumor Benign							X													1
Subcut Tiss, Lipoma																				1

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
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M ..Missing tissue
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CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	757	757	757	757	757	758	758	762	762	761	761	761	762	762	762	762	763	762	763	
ANIMAL ID	0048	0049	0055	0056	0057	0057	0058	0062	0062	0061	0062	0062	0071	0072	0073	0074	0073	0074	0071	*TOTALS
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Pituitary Gland																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Zymbal's Gland																				1
Carcinoma																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F1/50PPB TO CTL

DAY ON TEST	075	075	075	075	075	075	075	076	076	076	076	076	076	076	076	076	076	076	076		
ANIMAL ID	0047	0047	0052	0052	0052	0057	0057	0062	0062	0062	0062	0062	0067	0067	0067	0067	0072	0072	0071		*TOTALS
SYSTEMIC LESIONS																					
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F3 0PPB

DAY ON TEST	047	074	504	518	548	571	575	579	602	603	644	641	651	651	656	656	671	680	680	692	708	706	722	726	721	749	749	749	749	750	750
ANIMAL ID	0006	0017	0021	0024	0029	0033	0034	0036	0045	0055	0081	0081	0082	0082	0082	0082	0083	0084	0085	0086	0087	0087	0089	0089	0090	0092	0092	0093	0094	0096	0096
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma						X																									
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma, Metastatic, Uterus																			X												
Cholangiocarcinoma																															
Hepatocellular Adenoma																													X		
Leukemia Mononuclear, Metastatic, Spleen											X																				
Nephroblastoma, Metastatic, Kidney								X																							
Mesentery								+											+												
Adenocarcinoma, Metastatic, Uterus																			X												
Nephroblastoma, Metastatic, Kidney								X																							
Oral Mucosa							+														+										
Squamous Cell Carcinoma							X														X										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma, Metastatic, Uterus																			X												

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

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BLANK ..Not examined microscopically

CD Rat Female
F3 0PPB

DAY ON TEST	047	074	504	518	548	571	575	579	602	603	644	641	651	651	656	656	671	680	680	692	708	706	722	726	721	749	749	749	749	750	750
ANIMAL ID	0006	0017	0021	0024	0029	0033	0034	0036	0045	0055	0081	0081	0082	0082	0082	0082	0083	0084	0085	0086	0087	0087	0089	0089	0090	0092	0092	0093	0094	0096	0096
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma, Metastatic, Uterus																			X												
Squamous Cell Papilloma																					X										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyosarcoma																					X										
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma											X																	X			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	M	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma					X	X			X	X		X			X	X	X	X	X	X	X	X	X		X		X		X		X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
C Cell, Carcinoma																										X					

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CD Rat Female
F3 0PPB

DAY ON TEST	047	074	504	518	548	571	575	579	602	603	644	641	651	651	656	656	671	680	680	692	708	706	722	726	721	749	749	749	749	750	750
ANIMAL ID	0006	0074	0214	0242	0298	0337	0346	0367	0451	0553	0818	0819	0822	0823	0827	0828	0839	0847	0852	0861	0872	0875	0892	0898	0901	0923	0929	0930	0942	0963	0965
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Oviduct	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Adenocarcinoma											X								X												
Endometrium, Adenoma																									X						
Nephroblastoma, Metastatic, Kidney								X																							
Polyp Stromal					X																										
Vagina	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephroblastoma, Metastatic, Kidney								X																							
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Malignant, Metastatic, Skin		X																													
Lymph Node										+		+		+									+			+				+	+
Lymph Node, Mandibular	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephroblastoma, Metastatic, Kidney								X																							
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F3 0PPB

DAY ON TEST	047	074	504	518	548	571	575	579	602	603	644	641	651	651	656	656	671	680	680	680	692	708	706	722	726	721	749	749	749	749	750	750
ANIMAL ID	0006	0074	0214	0242	0298	0337	0346	0367	0451	0553	0818	0819	0822	0823	0827	0828	0839	0847	0852	0861	0872	0875	0892	0898	0901	0923	0929	0930	0942	0963	0965
Leukemia Mononuclear											X																				
Thymus	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma												X	X		X						X										
Fibroadenoma			X	X						X	X	X		X		X	X	X		X		X		X	X					X	
Fibroadenoma, Multiple					X	X							X						X		X		X				X	X			X
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lipoma																															
Sarcoma				X																											
Schwannoma Malignant		X																													
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle							+	+											+												
Diaphragm, Adenocarcinoma, Metastatic, Uterus																			X												
Diaphragm, Nephroblastoma, Metastatic, Kidney								X																							
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:53:03
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 0PPB

DAY ON TEST	047	074	504	518	548	571	575	579	602	603	644	641	651	651	656	656	671	680	680	692	708	706	722	726	721	749	749	749	749	750	750
ANIMAL ID	0006	0017	0021	0024	0029	0033	0034	0036	0045	0055	0081	0081	0082	0082	0082	0082	0083	0084	0085	0086	0087	0087	0089	0089	0090	0092	0092	0093	0094	0096	0096
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																															
Carcinoma, Metastatic, Thyroid Gland																										X					
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lipoma																															
Nephroblastoma								X																							
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear											X																				

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CD Rat Female
F3 0PPB

DAY ON TEST	750	749	750	750	750	750	750	749	749	749	749	754	754	754	753	755	755	754	755	755	753	
ANIMAL ID	0096 6	0096 7	0097 0	0097 1	0097 2	0097 7	0097 8	0097 9	0098 3	0102 6	0102 7	0108 1	0108 2	0108 5	0109 6	0112 2	0112 3	0112 7	0113 0	0113 1	0113 5	*TOTALS
Alimentary System																						
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Adenoma																						1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Adenocarcinoma, Metastatic, Uterus																						1
Cholangiocarcinoma								X														1
Hepatocellular Adenoma																				X		2
Leukemia Mononuclear, Metastatic, Spleen																						1
Nephroblastoma, Metastatic, Kidney																						1
Mesentery																	+					3
Adenocarcinoma, Metastatic, Uterus																						1
Nephroblastoma, Metastatic, Kidney																						1
Oral Mucosa																						2
Squamous Cell Carcinoma																						2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Adenocarcinoma, Metastatic, Uterus																						1

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CD Rat Female
F3 0PPB

DAY ON TEST	0750	0749	0750	0750	0750	0750	0750	0749	0749	0749	0749	0754	0754	0754	0753	0755	0755	0754	0755	0755	0753	
ANIMAL ID	0096 6	0096 7	0097 0	0097 1	0097 2	0097 7	0097 8	0097 9	0098 3	0102 6	0102 7	0108 1	0108 2	0108 5	0109 6	0112 2	0112 3	0112 7	0113 0	0113 1	0113 5	*TOTALS
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Adenocarcinoma, Metastatic, Uterus																						1
Squamous Cell Papilloma																						1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Leiomyosarcoma																						1
Cardiovascular System																						
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Endocrine System																						
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Adenoma																						2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Adenoma									X													1
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Pars Distalis, Adenoma	X		X	X		X		X		X		X	X	X	X	X	X		X		X	32
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
C Cell, Adenoma													X									1
C Cell, Carcinoma																						1

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CD Rat Female
F3 0PPB

DAY ON TEST	0750	0749	0750	0750	0750	0750	0750	0749	0749	0749	0749	0754	0754	0754	0753	0755	0755	0754	0755	0755	0753	
ANIMAL ID	0096 6	0096 7	0097 0	0097 1	0097 2	0097 7	0097 8	0097 9	0098 3	0102 6	0102 7	0108 1	0108 2	0108 5	0109 6	0112 2	0112 3	0112 7	0113 0	0113 1	0113 5	*TOTALS
General Body System																						
NONE																						
Genital System																						
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Endometrium, Adenocarcinoma										X											X	4
Endometrium, Adenoma																						1
Nephroblastoma, Metastatic, Kidney																						1
Polyp Stromal																						1
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Nephroblastoma, Metastatic, Kidney																						1
Hematopoietic System																						
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Schwannoma Malignant, Metastatic, Skin																						1
Lymph Node	+													+		+						10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Nephroblastoma, Metastatic, Kidney																						1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52

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CD Rat Female
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ANIMAL ID	0096 6	0096 7	0097 0	0097 1	0097 2	0097 7	0097 8	0097 9	0098 3	0102 6	0102 7	0108 1	0108 2	0108 5	0109 6	0112 2	0112 3	0112 7	0113 0	0113 1	0113 5	*TOTALS
Leukemia Mononuclear																						1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Integumentary System																						
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Adenocarcinoma							X			X												6
Fibroadenoma				X		X													X			17
Fibroadenoma, Multiple	X				X		X				X	X		X		X	X	X		X		19
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Lipoma																		X				1
Sarcoma																						1
Schwannoma Malignant																						1
Musculoskeletal System																						
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Skeletal Muscle																						3
Diaphragm, Adenocarcinoma, Metastatic, Uterus																						1
Diaphragm, Nephroblastoma, Metastatic, Kidney																						1
Nervous System																						
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:53:03
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 0PPB

DAY ON TEST	0750	0749	0750	0750	0750	0750	0750	0749	0749	0749	0749	0754	0754	0754	0753	0755	0755	0754	0755	0755	0753	
ANIMAL ID	0096 6	0096 7	0097 0	0097 1	0097 2	0097 7	0097 8	0097 9	0098 3	0102 6	0102 7	0108 1	0108 2	0108 5	0109 6	0112 2	0112 3	0112 7	0113 0	0113 1	0113 5	*TOTALS
Respiratory System																						
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Alveolar/Bronchiolar Adenoma				X																		1
Carcinoma, Metastatic, Thyroid Gland																						1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Special Senses System																						
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Urinary System																						
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Lipoma				X																		1
Nephroblastoma																						1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
SYSTEMIC LESIONS																						
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Leukemia Mononuclear																						1

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:53:03
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 /2PPB TO CTL

DAY ON TEST	0418	0495	0522	0541	0548	0557	0597	0609	0599	0624	0621	0673	0680	0683	0696	0700	0708	0718	0722	0726	0736	0749	0749	0749	0749	0749	0749	0749	0750	0749
ANIMAL ID	0010 8	0020 5	0022 4 9	0028 4	0029 9	0031 2	0039 9	0070 6	0080 3	0080 8	0081 0	0084 0	0085 4	0085 7	0086 4	0086 8	0087 3	0088 5	0088 9	0089 9	0090 3	0092 8	0093 1	0093 2	0093 4	0093 5	0094 3	0096 8	0097 3	0097 4	0098 0
Alimentary System																															
Esophagus	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																											X				
Leiomyoma																														X	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Intestine Small, Jejunum																											X				
Cholangiocarcinoma																															
Hepatocellular Carcinoma																															
Mesentery												+											+					+			
Mesothelioma Malignant																							X								
Oral Mucosa				+														+													+
Squamous Cell Carcinoma																															X
Pancreas	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F3 /2PPB TO CTL

DAY ON TEST	0418	0495	0522	0541	0548	0557	0597	0609	0599	0624	0621	0673	0680	0683	0696	0700	0708	0718	0722	0726	0736	0749	0749	0749	0749	0749	0749	0749	0750	0750	0749
ANIMAL ID	0010 8	0020 5	0024 9	0028 4	0029 9	0031 2	0039 9	0070 6	0080 3	0080 8	0081 0	0084 0	0085 4	0085 7	0086 4	0086 8	0087 3	0088 5	0088 9	0089 9	0090 3	0092 8	0093 1	0093 2	0093 4	0093 5	0094 3	0096 8	0097 3	0097 4	0098 0
Stomach, Glandular	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue		+																													
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X		X		X	X	X	X				X	X			X				X	X	X	X	X				X	X
Thyroid Gland	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																						X									
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F3 /2PPB TO CTL

DAY ON TEST	0418	0495	0522	0541	0548	0557	0597	0609	0599	0624	0621	0673	0680	0683	0696	0700	0708	0718	0722	0726	0736	0749	0749	0749	0749	0749	0749	0749	0750	0750	0749
ANIMAL ID	0010 8	0020 5	0024 9	0028 4	0029 9	0031 2	0039 9	0070 6	0080 3	0080 8	0081 0	0084 0	0085 4	0085 7	0086 4	0086 8	0087 3	0088 5	0088 9	0089 9	0090 3	0092 8	0093 1	0093 2	0093 4	0093 5	0094 3	0096 8	0097 3	0097 4	0098 0
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa Cell Tumor Benign														X																	
Granulosa Cell Tumor Malignant																												X			
Sertoli Cell Tumor Benign																													X		
Oviduct	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Adenocarcinoma			X																												
Endometrium, Adenoma																								X							
Polyp Stromal																						X				X			X		
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node										+									+		+	+	+					+		+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																														X	
Adenocarcinoma, Multiple									X						X																
Fibroadenoma						X	X	X			X					X	X	X	X	X							X				

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CD Rat Female F3 /2PPB TO CTL																															
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ANIMAL ID	00108	00205	00249	00284	00299	00312	00399	00706	00803	00808	00810	00840	00854	00857	00864	00868	00873	00885	00889	00899	00903	00928	00931	00932	00934	00935	00943	00968	00973	00974	00980
Fibroadenoma, Multiple				X						X		X	X	X							X	X	X	X						X	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ear, Basal Cell Adenoma																															
Fibroma														X				X													
Musculoskeletal System																															
Bone																+															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle	+						+																+					+			
Diaphragm, Granulosa Cell Tumor Malignant, Metastatic, Ovary																												X			
Diaphragm, Mesothelioma Malignant, Metastatic, Mesentery																							X								
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve	+																														
Spinal Cord	+																														
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma Malignant, Metastatic, Mesentery																							X								

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Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

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CAS Number: 57-63-6

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First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 /2PPB TO CTL

DAY ON TEST	0418	0495	0522	0541	0548	0557	0597	0609	0599	0624	0621	0673	0680	0683	0696	0700	0708	0718	0722	0726	0736	0749	0749	0749	0749	0749	0749	0749	0750	0750	0749
ANIMAL ID	0010 8	0020 5	0024 9	0028 4	0029 9	0031 2	0039 9	0070 6	0080 3	0080 8	0081 0	0084 0	0085 4	0085 7	0086 4	0086 8	0087 3	0088 5	0088 9	0089 9	0090 3	0092 8	0093 1	0093 2	0093 4	0093 5	0094 3	0096 8	0097 3	0097 4	0098 0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma Malignant																							X								

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CD Rat Female
F3 /2PPB TO CTL

DAY ON TEST	749	750	750	749	752	755	755	754	754	754	754	754	754	754	754	755	755	749	747	
ANIMAL ID	0098 1	0101 7	0102 2	0102 3	0105 0	0107 4	0107 5	0107 6	0108 3	0108 4	0108 7	0108 8	0109 2	0109 3	0109 4	0112 4	0113 2	0113 3	0113 4	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma																				1
Leiomyoma																				1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Intestine Small, Jejunum																				1
Cholangiocarcinoma																	X			1
Hepatocellular Carcinoma					X															1
Mesentery																				3
Mesothelioma Malignant																				1
Oral Mucosa					+															4
Squamous Cell Carcinoma																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

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F3 /2PPB TO CTL

DAY ON TEST	0749	0750	0750	0749	0752	0755	0755	0754	0754	0754	0754	0754	0754	0754	0754	0755	0755	0749	0747	
ANIMAL ID	0081	0107	0122	0123	0150	0174	0175	0176	0183	0184	0187	0188	0192	0193	0194	0124	0132	0133	0134	*TOTALS
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Tongue																				1
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma														X	X					2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Parathyroid Gland	+	+	+	M	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X	X	X				X	X	X	X	X	X		X	X	X	X		30
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
C Cell, Adenoma		X																		1
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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F3 /2PPB TO CTL

DAY ON TEST	749	750	750	749	752	755	755	754	754	754	754	754	754	754	754	755	755	749	747	
ANIMAL ID	0098 1	0101 7	0102 2	0102 3	0105 0	0107 4	0107 5	0107 6	0108 3	0108 4	0108 7	0108 8	0109 2	0109 3	0109 4	0112 4	0113 2	0113 3	0113 4	*TOTALS
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granulosa Cell Tumor Benign																				1
Granulosa Cell Tumor Malignant																				1
Sertoli Cell Tumor Benign															X					2
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endometrium, Adenocarcinoma																				1
Endometrium, Adenoma																				1
Polyp Stromal						X					X					X			X	7
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node	+	+	+	+				+	+			+	+	+			+			17
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma				X				X									X			4
Adenocarcinoma, Multiple																				2
Fibroadenoma				X	X						X									13

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F3 /2PPB TO CTL

DAY ON TEST	749	750	750	749	752	755	755	754	754	754	754	754	754	754	754	755	755	749	747	
ANIMAL ID	0081	0107	0122	0123	0150	0174	0175	0176	0183	0184	0187	0188	0192	0193	0194	0124	0132	0133	0134	*TOTALS
Fibroadenoma, Multiple	X					X	X	X		X			X	X	X	X	X	X		21
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Ear, Basal Cell Adenoma		X																		1
Fibroma																				2
Musculoskeletal System																				
Bone																				1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				4
Diaphragm, Granulosa Cell Tumor Malignant, Metastatic, Ovary																				1
Diaphragm, Mesothelioma Malignant, Metastatic, Mesentery																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Peripheral Nerve																				1
Spinal Cord																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesothelioma Malignant, Metastatic, Mesentery																				1

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CD Rat Female
F3 /2PPB TO CTL

DAY ON TEST	749	750	750	749	752	755	755	754	754	754	754	754	754	754	754	755	755	749	747	
ANIMAL ID	0098 1	0101 7	0102 2	0102 3	0105 0	0107 4	0107 5	0107 6	0108 3	0108 4	0108 7	0108 8	0109 2	0109 3	0109 4	0112 4	0113 2	0113 3	0113 4	*TOTALS
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesothelioma Malignant																				1

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	013	018	049	053	054	055	060	060	062	062	063	065	066	067	068	068	068	068	068	069	069	070	071	071	071	072	072	073	073	074	074	074
ANIMAL ID	0020	0022	0019	0026	0027	0030	0060	0070	0080	0080	0081	0082	0083	0083	0085	0085	0085	0085	0086	0086	0087	0088	0088	0088	0088	0089	0090	0090	0090	0092	0093	0093
Alimentary System																																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+
Lymphoma Malignant				X																												
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+
Carcinoma																																
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																									X							
Lymphoma Malignant				X																												
Mesothelioma Malignant				X																												
Mesentery				+															+													
Lymphoma Malignant				X																												
Mesothelioma Malignant				X																												
Oral Mucosa						+									+				+			+										
Fibrous Histiocytoma																			X													
Squamous Cell Carcinoma																						X										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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BLANK ..Not examined microscopically

CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	139	182	490	532	540	556	603	608	620	620	636	655	666	670	680	682	687	687	692	698	706	716	713	717	721	728	734	739	749	749	749
ANIMAL ID	0020	0022	0019	0026	0027	0030	0060	0070	0080	0080	0081	0082	0083	0083	0085	0085	0085	0085	0086	0086	0087	0088	0088	0088	0089	0090	0090	0090	0092	0093	0093
Lymphoma Malignant				X																											
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma						X																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma													X																		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X		X				X			X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X	X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																														X	
C Cell, Carcinoma																	X														
General Body System																															
Tissue NOS																															
Squamous Cell Carcinoma, Deep Invasion																															

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CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	139	182	490	532	540	556	603	608	620	620	636	655	666	670	680	682	687	687	692	698	706	716	713	717	721	728	734	739	749	749	749
ANIMAL ID	0020	0022	0019	0026	0027	0030	0060	0070	0080	0080	0081	0082	0083	0083	0085	0085	0085	0085	0086	0086	0087	0088	0088	0088	0089	0090	0090	0090	0092	0093	0093
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma													X																		
Lymphoma Malignant				X																											
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa Cell Tumor Benign																				X											
Lymphoma Malignant				X																											
Mesothelioma Malignant				X																											
Sertoli Cell Tumor Benign																															
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Adenoma								X					X																		
Lymphoma Malignant				X																											
Polyp Stromal																													X		
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X																											
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X																											
Lymph Node				+											+		+	+												+	
Axillary, Lymphoma Malignant				X																											
Deep Cervical, Lymphoma Malignant				X																											

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CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	013	018	049	053	054	055	060	060	062	062	063	065	066	067	068	068	068	068	068	069	069	070	071	071	071	072	072	073	073	074	074	074
ANIMAL ID	0020	0022	0019	0026	0027	0030	0060	0070	0080	0080	0081	0082	0083	0083	0085	0085	0085	0085	0086	0086	0086	0087	0088	0088	0088	0089	0090	0090	0090	0092	0093	0093
Lumbar, Lymphoma Malignant				X																												
Mediastinal, Lymphoma Malignant				X																												
Renal, Lymphoma Malignant				X																												
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Zymbal'S Gland								X																								
Lymphoma Malignant				X																												
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X																												
Mesothelioma Malignant				X																												
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	M	+	+	+
Histiocytic Sarcoma																									X							
Lymphoma Malignant				X																												
Integumentary System																																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																								X						X	X	
Adenocarcinoma, Multiple															X			X														X
Fibroadenoma			X		X	X	X					X	X		X	X		X	X	X				X	X			X		X		X
Fibroadenoma, Multiple									X	X	X			X									X			X	X		X		X	
Lymphoma Malignant				X																												
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma																	X															

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CD Rat Female F3/10PPB TO CTL																														
DAY ON TEST	013 9	018 2	049 0	053 2	054 0	055 6	060 3	060 8	062 0	062 0	063 6	065 5	066 6	067 0	068 0	068 2	068 7	068 7	069 2	069 8	070 6	071 6	071 3	071 7	072 1	072 8	073 4	073 9	074 9	074 9
ANIMAL ID	0020	0022	0019 3	0026 2	0027 8	0030 9	0060 5	0070 7	0080 7	0080 9	0081 7	0082 9	0083 7	0083 8	0085 3	0085 5	0085 8	0085 9	0086 2	0086 5	0087 4	0088 0	0088 2	0088 4	0089 1	0090 0	0090 5	0090 8	0092 4	0093 6	0093 7
Histiocytic Sarcoma																								X						
Lymphoma Malignant				X																										
Sarcoma																													X	
Musculoskeletal System																														
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																														
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Meninges, Lymphoma Malignant				X																										
Respiratory System																														
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma, Metastatic, Mammary Gland																							X							
Carcinoma, Metastatic, Thyroid Gland																	X													
Carcinoma, Metastatic, Zymbal'S Gland								X																						
Histiocytic Sarcoma																								X						
Lymphoma Malignant				X																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	139	182	490	532	540	556	603	608	620	620	636	655	666	670	680	682	687	687	692	698	706	716	713	717	721	728	734	739	749	749	749
ANIMAL ID	0020	0022	0019	0026	0027	0039	0065	0077	0087	0089	0087	0089	0087	0088	0085	0085	0058	0059	0062	0065	0074	0080	0082	0084	0091	0090	0095	0098	0092	0093	0093
Special Senses System																															
Ear											+																				
Neural Crest Tumor											X																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X																											
Squamous Cell Carcinoma, Deep Invasion																															
Zymbal's Gland								+																							
Carcinoma								X																							
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X																											
Renal Tubule, Adenoma																															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X																											
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																								X							
Lymphoma Malignant				X																											
Mesothelioma Malignant				X																											

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CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	750	750	748	749	749	750	749	748	751	755	754	754	754	755	755	755	754	745	
ANIMAL ID	0096 4	0097 5	0098 2	0101 5	0101 6	0101 9	0102 1	0102 9	0105 2	0107 1	0107 2	0107 7	0108 6	0109 5	0112 5	0112 6	0112 8	0113 7	0113 8	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma																		X		1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																				1
Lymphoma Malignant																				1
Mesothelioma Malignant																				1
Mesentery																+			+	4
Lymphoma Malignant																				1
Mesothelioma Malignant																				1
Oral Mucosa					+	+				+										7
Fibrous Histiocytoma																				1
Squamous Cell Carcinoma										X										2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	750	750	748	749	749	750	749	748	751	755	754	754	754	755	755	755	754	745	
ANIMAL ID	0096 4	0097 5	0098 2	0101 5	0101 6	0101 9	0102 1	0102 9	0105 2	0107 1	0107 2	0107 7	0108 6	0109 5	0112 5	0112 6	0112 8	0113 7	0113 8	*TOTALS
Lymphoma Malignant																				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Papilloma										X										2
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	47
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				36
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma																				1
C Cell, Carcinoma																				1
General Body System																				
Tissue NOS										+										1
Squamous Cell Carcinoma, Deep Invasion										X										1

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CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	750	750	748	749	749	750	749	748	751	755	754	754	754	754	755	755	755	754	745	
ANIMAL ID	0096 4	0097 5	0098 2	0101 5	0101 6	0101 9	0102 1	0102 9	0105 2	0107 1	0107 2	0107 7	0108 6	0109 5	0111 2	0111 2	0111 2	0111 3	0111 3	*TOTALS
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																				1
Lymphoma Malignant																				1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granulosa Cell Tumor Benign																				1
Lymphoma Malignant																				1
Mesothelioma Malignant																				1
Sertoli Cell Tumor Benign								X												1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endometrium, Adenoma																				2
Lymphoma Malignant																				1
Polyp Stromal													X							2
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Lymph Node				+			+					+				+			+	10
Axillary, Lymphoma Malignant																				1
Deep Cervical, Lymphoma Malignant																				1

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CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	750	750	748	749	749	750	749	748	751	755	754	754	754	754	755	755	755	754	745	
ANIMAL ID	0096 4	0097 5	0098 2	0101 5	0101 6	0101 9	0102 1	0102 9	0105 2	0107 1	0107 2	0107 7	0108 6	0109 5	0111 2 5	0111 2 6	0111 2 8	0111 3 7	0111 3 8	*TOTALS
Lumbar, Lymphoma Malignant																				1
Mediastinal, Lymphoma Malignant																				1
Renal, Lymphoma Malignant																				1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Zymbal'S Gland																				1
Lymphoma Malignant																				1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Mesothelioma Malignant																				1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Histiocytic Sarcoma																				1
Lymphoma Malignant																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma						X					X		X							6
Adenocarcinoma, Multiple																				3
Fibroadenoma		X			X			X							X			X		21
Fibroadenoma, Multiple	X		X	X		X	X			X	X	X		X			X			19
Lymphoma Malignant																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrous Histiocytoma																				1

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CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	750	750	748	749	749	750	749	748	751	755	754	754	754	754	755	755	755	754	745	
ANIMAL ID	0096 4	0097 5	0098 2	0101 5	0101 6	0101 9	0102 1	0102 9	0105 2	0107 1	0107 2	0107 7	0108 6	0109 5	0112 5	0112 6	0112 8	0113 7	0113 8	*TOTALS
Histiocytic Sarcoma																				1
Lymphoma Malignant																				1
Sarcoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Meninges, Lymphoma Malignant																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma, Metastatic, Mammary Gland																				1
Carcinoma, Metastatic, Thyroid Gland																				1
Carcinoma, Metastatic, Zymbal'S Gland																				1
Histiocytic Sarcoma																				1
Lymphoma Malignant																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Female
F3/10PPB TO CTL

DAY ON TEST	750	750	748	749	749	750	749	748	751	755	754	754	754	755	755	755	754	745	
ANIMAL ID	0096 4	0097 5	0098 2	0101 5	0101 6	0101 9	0102 1	0102 9	0105 2	0107 1	0107 2	0107 7	0108 6	0109 5	0112 5	0112 6	0112 8	0113 7	0113 8	*TOTALS
Special Senses System																				
Ear																			+	2
Neural Crest Tumor																			X	2
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Squamous Cell Carcinoma, Deep Invasion										X										1
Zymbal's Gland																				1
Carcinoma																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Renal Tubule, Adenoma								X												1
Urinary Bladder	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																				1
Lymphoma Malignant																				1
Mesothelioma Malignant																				1

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CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	028	032	040	042	043	049	054	056	057	059	059	060	061	063	066	068	067	067	068	069	070	071	072	072	074	074	074	074	074	074	074
ANIMAL ID	0043	0052	0091	0118	0121	0199	0297	0322	0357	0397	0398	0552	0804	0815	0836	0848	0850	0851	0856	0863	0871	0883	0890	0894	0925	0926	0927	0933	0938	0939	0940
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangioma																	X														
Lymphoma Malignant		X																													
Mesentery		+				+						+								+											
Lymphoma Malignant		X																													
Oral Mucosa										+															+						
Squamous Cell Carcinoma										X																					
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																															X
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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Experiment Number: 99920-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 12:53:09
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	028	032	040	042	043	049	054	056	057	059	059	060	061	063	066	068	067	067	068	069	070	071	072	072	074	074	074	074	074	074	074
ANIMAL ID	0043	0052	0091	0118	0121	0199	0297	0322	0357	0397	0398	0552	0804	0815	0836	0848	0850	0851	0856	0863	0871	0883	0890	0894	0925	0926	0927	0933	0938	0939	0940
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																														X	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Parathyroid Gland	+	+	+	+	M	+	+	M	+	+	+	+	M	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma					X	X			X				X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, C Cell, Adenoma																												X			
C Cell, Adenoma															X																
General Body System																															
Tissue NOS																															
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+

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CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	028	032	040	042	043	049	054	056	057	059	059	060	061	063	066	068	067	067	068	069	070	071	072	072	074	074	074	074	074	074	074
ANIMAL ID	0043	0052	0091	0118	0121	0199	0297	0322	0357	0397	0398	0552	0804	0815	0836	0848	0850	0851	0856	0863	0871	0883	0890	0894	0925	0926	0927	0933	0938	0939	0940
Adenoma																			X		X										
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa Cell Tumor Benign																											X				
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyoma								X																							
Polyp Stromal								X			X								X								X				
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																		+													
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma									X					X		X		X	X		X		X				X				

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CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	028	032	040	042	043	049	054	056	057	059	059	060	061	063	066	068	067	067	068	069	070	071	072	072	074	074	074	074	074	074	074
ANIMAL ID	0043	0052	0091	0118	0121	0199	0297	0322	0357	0397	0398	0552	0804	0815	0836	0848	0850	0851	0856	0863	0871	0883	0890	0894	0925	0926	0927	0933	0938	0939	0940
Fibroadenoma											X	X	X		X			X		X	X			X							X
Fibroadenoma, Multiple				X			X									X	X		X			X	X		X	X	X			X	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																															
Fibroma																							X								
Sarcoma											X																				
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle			+																												
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																															X
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve			+																												
Spinal Cord			+																												
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma, Metastatic, Mammary Gland																			X												
Alveolar/Bronchiolar Adenoma																				X											

* ..Total animals with tissue examined microscopically; Total animals with tumor
\+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
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BLANK ..Not examined microscopically

CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	028	032	040	042	043	049	054	056	057	059	059	060	061	063	066	068	067	067	068	069	070	071	072	072	074	074	074	074	074	074	074
ANIMAL ID	0043	0052	0091	0118	0121	0199	0297	0322	0357	0397	0398	0552	0804	0815	0836	0848	0850	0851	0856	0863	0871	0883	0890	0894	0925	0926	0927	0933	0938	0939	0940
Alveolar/Bronchiolar Carcinoma																															
Lymphoma Malignant		X																													
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liposarcoma																															
Nephroblastoma	X																														
Renal Tubule, Adenoma																															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Transit Epithe, Papilloma																															
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																													

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CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	749	749	749	748	750	750	749	749	749	752	755	754	754	754	754	754	754	755	753	
ANIMAL ID	0094 1	0096 9	0097 6	0098 4	0101 8	0102 0	0102 4	0102 5	0102 8	0105 1	0107 3	0107 8	0107 9	0108 0	0108 9	0109 0	0109 1	0112 9	0113 6	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cholangioma																				1
Lymphoma Malignant																				1
Mesentery																				4
Lymphoma Malignant																				1
Oral Mucosa																				2
Squamous Cell Carcinoma																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma																				1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	0749	0749	0749	0748	0750	0750	0749	0749	0749	0752	0755	0754	0754	0754	0754	0754	0754	0755	0753	
ANIMAL ID	0094 1	0096 9	0097 6	0098 4	0101 8	0102 0	0102 4	0102 5	0102 8	0105 1	0107 3	0107 8	0107 9	0108 0	0108 9	0109 0	0109 1	0112 9	0113 6	*TOTALS
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pheochromocytoma Benign																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																		X		1
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	44
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X		X	X	X	X	X	X			X	X		X			X	X	X	32
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bilateral, C Cell, Adenoma																				1
C Cell, Adenoma																				1
General Body System																				
Tissue NOS								+												1
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung								X												1
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

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CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	749	749	749	748	750	750	749	749	749	752	755	754	754	754	754	754	754	755	753	
ANIMAL ID	0094 1	0096 9	0097 6	0098 4	0101 8	0102 0	0102 4	0102 5	0102 8	0105 1	0107 3	0107 8	0107 9	0108 0	0108 9	0109 0	0109 1	0112 9	0113 6	*TOTALS
Adenoma																				2
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granulosa Cell Tumor Benign						X														2
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyoma																				1
Polyp Stromal										X										5
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node					+					+				+				+		5
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Lymph Node, Mesenteric	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma	X		X																	10

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CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	0749	0749	0749	0748	0750	0750	0749	0749	0749	0752	0755	0754	0754	0754	0754	0754	0754	0755	0753	
ANIMAL ID	0094 1	0096 9	0097 6	0098 4	0101 8	0102 0	0102 4	0102 5	0102 8	0105 1	0107 3	0107 8	0107 9	0108 0	0108 9	0109 0	0109 1	0112 9	0113 6	*TOTALS
Fibroadenoma														X			X	X	X	13
Fibroadenoma, Multiple	X	X	X	X	X		X	X	X	X	X	X	X		X					24
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma											X									1
Fibroma																				1
Sarcoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Astrocytoma Malignant																				1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Peripheral Nerve																				1
Spinal Cord																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma, Metastatic, Mammary Gland																				1
Alveolar/Bronchiolar Adenoma																				1

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CD Rat Female
F3/50PPB TO CTL

DAY ON TEST	749	749	749	748	750	750	749	749	749	752	755	754	754	754	754	754	754	755	753	
ANIMAL ID	0941	0969	0976	0984	0108	0120	0124	0125	0128	0151	0173	0178	0179	0180	0189	0190	0191	0129	0136	*TOTALS
Alveolar/Bronchiolar Carcinoma								X												1
Lymphoma Malignant																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Liposarcoma	X																			1
Nephroblastoma																				1
Renal Tubule, Adenoma																	X			1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Transit Epithe, Papilloma					X															1
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				1

** END OF REPORT **

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