C Number:	MG96005
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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:30
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 0PPM

DAY ON TEST	022	027	036	005	043	043	047	048	056	057	057	059	066	068	069	071	072	073	073	073	073	073	073	073	073	073	073	073	073	073	073
ANIMAL ID	0041	0052	0065	0075	0100	0103	0119	0123	0179	0186	0191	0212	0322	0359	0385	0407	0438	0458	0460	0470	0471	0517	0518	0563	0569	0570	0572	0575	0576	0593	0603
Alimentary System																															
Esophagus	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	A	+	A	M	A	A	A	+	A	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	A	+	A	+	A	A	A	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum				+													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	A	+	+	+	+	A	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	A	+	A	+	A	A	A	+	A	+	A	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																															
Liver	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																															
Mesentery		+																													
Pancreas	+	+	A	+	A	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	A	+	A	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Neurofibrosarcoma		X																													
Stomach, Forestomach	+	+	A	+	A	+	A	A	A	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	A	+	A	+	A	A	A	+	A	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:30
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 0PPM

DAY ON TEST	022	027	036	005	043	043	047	048	056	057	057	059	066	066	069	071	072	073	073	073	073	073	073	073	073	073	073	073	073	073	073
ANIMAL ID	0041	0052	0065	0075	0100	0103	0119	0123	0179	0186	0191	0212	0322	0359	0385	0407	0438	0458	0460	0470	0471	0517	0518	0563	0569	0570	0572	0575	0576	0593	0603
Adrenal Cortex	+	+	A	+	A	+	+	+	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																										X					
Adrenal Medulla	+	+	A	M	A	+	A	+	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Pheochromocytoma Benign																															
Pheochromocytoma Benign																															
Pheochromocytoma Complex																															
Islets, Pancreatic	+	+	+	+	A	+	A	+	+	+	A	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	M
Adenoma																															
Pituitary Gland	+	+	+	+	M	+	A	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma										X		X	X				X				X				X	X		X			X
Pars Distalis, Adenoma, Multiple																														X	
Thyroid Gland	+	+	+	+	A	+	A	+	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	+	+	+	+	A	+	A	A	+	+	A	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma, Metastatic, Prostate																															
Ductus Deferens																		A													
Epididymis	+	+	+	+	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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:30
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 0PPM

DAY ON TEST	022	027	036	005	043	043	047	048	056	057	057	059	066	068	069	071	072	073	073	073	073	073	073	073	073	073	073	073	073	073	073
ANIMAL ID	0041	0052	0065	0075	0100	0103	0119	0123	0179	0186	0191	0212	0322	0359	0385	0407	0438	0458	0460	0470	0471	0517	0518	0563	0569	0570	0572	0575	0576	0593	0603
Preputial Gland	+	+	+	+	A	+	+	A	+	+	A	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																															
Prostate	+	+	+	+	A		A				A					+	A		+	+					+						
Prostate, Dorsal Lobe	+	+	+	+	A	+	A	+	+	+	A	+	A	+	+	M	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																		X													
Prostate, Ventral Lobe	+	+	+	+	A	+	A	A	+	+	A	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																															
Rete Testes	+	+	+	+	+	+	M	A	M	+	M	+	+	+	+	+	+	M	+	+	I	I	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	A	+	A	+	A	A	+	+	A	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma, Metastatic, Prostate																		X													
Testes	+	+	+	+	+		A	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	A	+	A	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node						+	+	+		+					+	+									+	+	+				
Lymph Node, Mandibular	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	A	+	A	+	+	+	+	+	A	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	M	+	A	+	+	+	+	+	A	+	A	M	+	M	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	I	+	A	I	A	I	+	I	I	+	A	I	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	M	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma											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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:31
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 0PPM

DAY ON TEST	022	027	036	005	043	043	047	048	056	057	057	059	066	068	069	071	072	073	073	073	073	073	073	073	073	073	073	073	073	073	073
ANIMAL ID	0041	0052	0065	0075	0100	0103	0119	0123	0179	0186	0191	0212	0322	0359	0385	0407	0438	0458	0460	0470	0471	0517	0518	0563	0569	0570	0572	0575	0576	0593	0603
Lipoma																															
Sarcoma																															
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	+	A	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	A	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Malignant																											X				
Brain, Cerebrum	+	+	+	+	A	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	A	+	A	+	+	+	+	+	A	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma																															
Nose	+	+	A	+	A	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	A	+	A	A	A	+	A	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye				+													+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland				+													+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Lacrimal Gland																		+	+	+							+	+		+	
Urinary 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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:31
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 0PPM

DAY ON TEST	227	275	364	057	433	436	475	485	569	572	578	598	669	682	697	712	727	730	737	737	737	738	738	739	739	739	738	738	739	739
ANIMAL ID	0041	0052	0065	0075	0100	0103	0119	0123	0179	0186	0191	0212	0222	0359	0385	0407	0438	0458	0460	0470	0471	0517	0518	0563	0569	0570	0572	0575	0576	0593	0603
Kidney	+	+	A	+	A	+	+	+	+	+	A	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma, Tubular																										X					
Urinary Bladder	+	+	A	+	A	+	A	A	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic							X																								
Lymphoma Malignant						X		X																							
Mesothelioma Benign														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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:31
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 0PPM

DAY ON TEST	0739	0739	0743	0743	0742	0742	0744	0744	0743	0743	0744	0744	0744	0745	0745	0745	0749	0748	0749	0749	0749	0749	0753	
ANIMAL ID	0060 4	0060 5	0063 8	0063 9	0065 6	0065 7	0068 3	0068 4	0069 3	0069 9	0071 3	0071 4	0074 2	0077 5	0077 8	0077 9	0079 6	0080 3	0085 4	0085 5	0090 2	0090 5	0093 0	*TOTALS
Alimentary System																								
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Adenocarcinoma													X											1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Hepatocellular Adenoma									X															1
Mesentery																								1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Neurofibrosarcoma																								1
Stomach, Forestomach	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Cardiovascular System																								
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
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

CD Rat Male
F1 0PPM

DAY ON TEST	0739	0739	0743	0743	0742	0742	0744	0744	0743	0743	0744	0744	0744	0745	0745	0745	0749	0748	0749	0749	0749	0749	0753	
ANIMAL ID	0060 4	0060 5	0063 8	0063 9	0065 6	0065 7	0068 3	0068 4	0069 3	0069 9	0071 3	0071 4	0074 2	0077 5	0077 8	0077 9	0079 6	0080 3	0085 4	0085 5	0090 2	0090 5	0093 0	*TOTALS
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																								1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Bilateral, Pheochromocytoma Benign									X															1
Pheochromocytoma Benign																	X							1
Pheochromocytoma Complex																			X					1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																			X					1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	47
Adenoma																X								1
Pituitary Gland	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma			X	X					X		X	X	X		X	X	X	X	X	X			X	22
Pars Distalis, Adenoma, Multiple																								1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
C Cell, Adenoma					X																			1
General Body System																								
NONE																								
Genital System																								
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenocarcinoma, Metastatic, Prostate	X																							1
Ductus Deferens																								0
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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

CD Rat Male
F1 0PPM

DAY ON TEST	0739	0739	0743	0743	0742	0742	0744	0744	0743	0743	0744	0744	0744	0745	0745	0745	0749	0748	0749	0749	0749	0749	0753	
ANIMAL ID	0060 4	0060 5	0063 8	0063 9	0065 6	0065 7	0068 3	0068 4	0069 3	0069 9	0071 3	0071 4	0074 2	0077 5	0077 8	0077 9	0079 6	0080 3	0085 4	0085 5	0090 2	0090 5	0093 0	*TOTALS
Preputial Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma							X																	1
Prostate																								8
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenocarcinoma	X																							2
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenocarcinoma	X																							1
Rete Testes	+	+	+	+	+	+	+	+	+	+	I	I	+	+	+	+	+	+	+	+	+	A	+	44
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenocarcinoma, Metastatic, Prostate	X																							2
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic System																								
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node			+					+						+			+		+		+			15
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Thymus	+	+	+	+	M	+	+	+	+	+	+	M	+	M	+	+	M	+	M	+	+	+	+	42
Integumentary System																								
Mammary Gland	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	I	+	+	+	+	41
Skin	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Fibroma																								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 0PPM

DAY ON TEST	0739	0739	0743	0743	0742	0742	0744	0744	0743	0743	0744	0744	0744	0745	0745	0745	0749	0748	0749	0749	0749	0749	0753	
ANIMAL ID	00604	00605	00638	00639	00656	00657	00683	00684	00693	00699	00713	00714	00742	00775	00778	00779	00796	00803	00854	00855	00902	00905	00930	*TOTALS
Lipoma										X														1
Sarcoma																	X							1
Musculoskeletal System																								
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Nervous System																								
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granular Cell Tumor Malignant																								1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																								
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Alveolar/Bronchiolar Carcinoma						X																		1
Nose	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Special Senses System																								
Eye	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Adenoma																	X							1
Lacrimal Gland				+			+		+	+														10
Urinary 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 0PPM

DAY ON TEST	0739	0739	0743	0743	0742	0742	0744	0744	0743	0743	0744	0744	0744	0745	0745	0745	0749	0748	0749	0749	0749	0749	0753	
ANIMAL ID	0060 4	0060 5	0063 8	0063 9	0065 6	0065 7	0068 3	0068 4	0069 3	0069 9	0071 3	0071 4	0074 2	0075 5	0077 8	0077 9	0079 6	0080 3	0085 4	0085 5	0090 2	0090 5	0093 0	*TOTALS
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma, Tubular																								1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
SYSTEMIC LESIONS																								
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Leukemia Granulocytic																								1
Lymphoma Malignant																								2
Mesothelioma Benign																								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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:32
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 5PPM

DAY ON TEST	029	030	042	045	052	060	061	063	068	073	073	073	073	073	073	073	073	073	073	073	073	073	073	073	074	074	074	074	074	074	074
ANIMAL ID	0053	0054	0099	0115	0132	0216	0231	0277	0363	0461	0462	0463	0504	0505	0506	0541	0561	0564	0565	0566	0585	0586	0587	0588	0589	0628	0658	0659	0674	0675	0694
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	A	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	A	+	+	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																	X														
Intestine Large, Rectum				+						+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	A	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma											X																				
Intestine Small, Jejunum	+	+	A	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma											X																				
Liver	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma											X		X																		
Hepatocellular Carcinoma																				X											
Mesentery																															
Pancreas	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	A	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Stomach, Glandular	A	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:32
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 5PPM

DAY ON TEST	029	030	042	045	052	060	061	063	068	073	073	073	073	073	073	073	073	073	073	073	073	073	073	073	073	074	074	074	074	074	074
ANIMAL ID	0053	0054	0099	0115	0132	0216	0231	0277	0363	0461	0462	0463	0504	0505	0506	0541	0561	0564	0565	0566	0585	0586	0587	0588	0589	0628	0658	0659	0674	0675	0694
Endocrine System																															
Adrenal Cortex	A	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																		X													
Adrenal Medulla	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																															
Pheochromocytoma Malignant																								X							
Islets, Pancreatic	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																								X		X					
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	A	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+
Pars Distalis, Adenoma						X			X				X							X					X		X				X
Thyroid Gland	+	+	A	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
C Cell, Carcinoma																														X	
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Penis					+																										
Preputial Gland	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 5PPM

DAY ON TEST	029	030	042	045	052	060	061	063	068	073	073	073	073	073	073	073	073	073	073	073	073	073	073	073	074	074	074	074	074	074	074
ANIMAL ID	0053	0054	0099	0115	0132	0216	0231	0277	0363	0461	0462	0463	0504	0505	0506	0541	0561	0564	0565	0566	0585	0586	0587	0588	0589	0628	0658	0659	0674	0675	0694
Squamous Cell Carcinoma																								X			X				
Prostate				+				A									+			+						+					
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate, Ventral Lobe	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node		+	+				+				+		+		+		+	+	+		+	+					+	+			
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	I	+	+	M	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	I	+	A	+	M	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+
Fibroadenoma																															
Skin	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																					X										
Fibroma												X																			
Keratoacanthoma																															
Sarcoma				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 5PPM																														
DAY ON TEST	029	030	042	045	052	060	061	063	068	073	073	073	073	073	073	073	073	073	073	073	073	073	073	073	074	074	074	074	074	074
ANIMAL ID	0053	0054	0099	0115	0132	0216	0231	0277	0363	0461	0462	0463	0504	0505	0506	0541	0561	0564	0565	0566	0585	0586	0587	0588	0589	0628	0658	0659	0674	0675	0694
Squamous Cell Papilloma																															
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Malignant																													X		
Respiratory System																															
Lung	A	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar Epith, Adenoma																			X												
Nose	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	A	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye				+						+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland				+						+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland								+				+					+		+			+				+					
Zymbal's Gland													+																		
Squamous Cell Carcinoma													X																		
Urinary 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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:33
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 5PPM

DAY ON TEST	029	030	042	045	052	060	061	063	068	073	073	073	073	073	073	073	073	073	073	073	073	073	073	073	073	074	074	074	074	074	074
ANIMAL ID	0053	0054	0099	0115	0132	0216	0231	0277	0363	0461	0462	0463	0504	0505	0506	0541	0561	0564	0565	0566	0585	0586	0587	0588	0589	0628	0658	0659	0674	0675	0694
Kidney	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		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 Male
F1 5PPM

DAY ON TEST	743	743	744	744	744	744	745	745	745	749	749	749	749	750	750	750	752	752	753	
ANIMAL ID	0069 5	0069 8	0071 2	0071 5	0073 0	0073 1	0076 5	0076 6	0077 7	0079 2	0079 3	0084 6	0085 1	0088 0	0088 1	0088 2	0089 6	0089 7	0092 6	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Adenoma																				1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenocarcinoma																				1
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adenocarcinoma																				1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hepatocellular Adenoma																				2
Hepatocellular Carcinoma																				1
Mesentery				+																1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
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 5PPM

DAY ON TEST	0743	0743	0744	0744	0744	0744	0745	0745	0745	0749	0749	0749	0749	0750	0750	0750	0752	0752	0753	
ANIMAL ID	0069 5	0069 8	0071 2	0071 5	0073 0	0073 1	0076 5	0076 6	0077 7	0079 2	0079 3	0084 6	0085 1	0088 0	0088 1	0088 2	0089 6	0089 7	0092 6	*TOTALS
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma																				1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pheochromocytoma Benign														X						1
Pheochromocytoma Malignant																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																	X			3
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Pars Distalis, Adenoma		X			X			X	X						X	X		X		14
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
C Cell, Adenoma							X			X										2
C Cell, Carcinoma																				1
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Penis																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 5PPM

DAY ON TEST	0743	0743	0744	0744	0744	0744	0745	0745	0745	0749	0749	0749	0749	0750	0750	0750	0752	0752	0753	
ANIMAL ID	0069 5	0069 8	0071 2	0071 5	0073 0	0073 1	0076 5	0076 6	0077 7	0079 2	0079 3	0084 6	0085 1	0088 0	0088 1	0088 2	0089 6	0089 7	0092 6	*TOTALS
Squamous Cell Carcinoma																X				3
Prostate										+			+		+	+	+			9
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Rete Testes	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node																				13
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Thymus	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	44
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	I	+	+	I	+	+	+	+	+	+	+	+	+	43
Fibroadenoma																X				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Basal Cell Adenoma																				1
Fibroma																				1
Keratoacanthoma															X					1
Sarcoma																				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 5PPM

DAY ON TEST	0743	0743	0744	0744	0744	0744	0745	0745	0745	0749	0749	0749	0749	0750	0750	0750	0752	0752	0753	
ANIMAL ID	0069 5	0069 8	0071 2	0071 5	0073 0	0073 1	0076 5	0076 6	0077 7	0079 2	0079 3	0084 6	0085 1	0088 0	0088 1	0088 2	0089 6	0089 7	0092 6	*TOTALS
Squamous Cell Papilloma		X																		1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Granular Cell Tumor Malignant																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Alveolar Epith, Adenoma																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Lacrimal Gland					+						+		+							9
Zymbal's Gland																				1
Squamous Cell Carcinoma																				1
Urinary 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 5PPM

DAY ON TEST	0743	0743	0744	0744	0744	0744	0745	0745	0745	0749	0749	0749	0749	0750	0750	0750	0752	0752	0753	
ANIMAL ID	0069 5	0069 8	0071 2	0071 5	0073 0	0073 1	0076 5	0076 6	0077 7	0079 2	0079 3	0084 6	0085 1	0088 0	0088 1	0088 2	0089 6	0089 7	0092 6	*TOTALS
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				3

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:33
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 100PPM

DAY ON TEST	0213	0474	0589	0593	0617	0619	0670	0735	0735	0737	0738	0738	0738	0738	0738	0738	0739	0738	0738	0738	0743	0743	0744	0744	0744	0743	0744	0745	0744	0744	0744
ANIMAL ID	0039	0120	0201	0204	0230	0232	0328	0464	0465	0466	0507	0508	0509	0510	0511	0512	0562	0571	0584	0620	0629	0630	0676	0677	0678	0696	0711	0724	0725	0726	0732
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum								+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																															
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign														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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:34
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 100PPM

DAY ON TEST	0213	0474	0589	0593	0617	0619	0670	0735	0735	0737	0738	0738	0738	0738	0738	0738	0739	0738	0738	0738	0743	0743	0744	0744	0744	0743	0744	0745	0744	0744	0744
ANIMAL ID	0039	0120	0201	0204	0230	0232	0328	0464	0465	0466	0507	0508	0509	0510	0511	0512	0562	0571	0584	0620	0629	0630	0676	0677	0678	0696	0711	0724	0725	0726	0732
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																										X					
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	I	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma		X		X		X		X	X		X			X			X	X	X	X		X					X		X		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
General Body System																															
Tissue NOS									+																						
Chondrosarcoma									X																						
Genital System																															
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																															
Prostate	+						+																								
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:34
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 100PPM

DAY ON TEST	0213	0474	0589	0593	0617	0619	0670	0735	0735	0737	0738	0738	0738	0738	0738	0738	0739	0738	0738	0738	0743	0743	0744	0744	0744	0743	0744	0745	0744	0744	0744
ANIMAL ID	0039	0120	0201	0204	0230	0232	0328	0464	0465	0466	0507	0508	0509	0510	0511	0512	0562	0571	0584	0620	0629	0630	0676	0677	0678	0696	0711	0724	0725	0726	0732
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node	+		+			+		+	+	+																		+			
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I
Integumentary System																															
Mammary Gland	I	+	I	I	+	I	I	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																					X										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosarcoma					X																										
Sarcoma																		X													
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign																															

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:34
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 100PPM

DAY ON TEST	0213	0474	0589	0593	0617	0619	0670	0735	0735	0737	0738	0738	0738	0738	0738	0738	0739	0738	0738	0738	0743	0743	0744	0744	0744	0743	0744	0745	0744	0744	0744
ANIMAL ID	0039	0120	0201	0204	0230	0232	0328	0464	0465	0466	0507	0508	0509	0510	0511	0512	0562	0571	0584	0620	0629	0630	0676	0677	0678	0696	0711	0724	0725	0726	0732
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Chondrosarcoma, Metastatic, Uncertain Primary Site									X																						
Fibrosarcoma, Metastatic, Skin					X																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye								+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland								+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland														+								+	+		+		+	+		+	
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosarcoma, Metastatic, Skin					X																										
Urethra																															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X		X			X																									
Mesothelioma 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 100PPM

DAY ON TEST	0747	0747	0745	0749	0748	0748	0750	0749	0749	0749	0749	0748	0750	0750	0749	0749	0749	0747	0752	
ANIMAL ID	0076 2	0076 3	0077 6	0078 4	0079 4	0079 5	0082 3	0084 2	0084 3	0084 4	0084 5	0085 2	0087 7	0087 8	0088 4	0088 5	0088 6	0090 0	0092 9	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma									X			X								2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pheochromocytoma Benign					X															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 100PPM

DAY ON TEST	0747	0747	0745	0749	0748	0748	0750	0749	0749	0749	0749	0748	0750	0750	0749	0749	0749	0747	0752	
ANIMAL ID	0076 2	0076 3	0077 6	0078 4	0079 4	0079 5	0082 3	0084 2	0084 3	0084 4	0084 5	0085 2	0087 7	0087 8	0088 4	0088 5	0088 6	0090 0	0092 9	*TOTALS
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X						X	X		X				X		X	X		22
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma										X										1
General Body System																				
Tissue NOS																				1
Chondrosarcoma																				1
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma		X																		1
Prostate																				2
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Rete Testes	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:35
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 100PPM

DAY ON TEST	0747	0747	0745	0749	0748	0748	0750	0749	0749	0749	0749	0748	0750	0750	0749	0749	0749	0747	0752	
ANIMAL ID	0076 2	0076 3	0077 6	0078 4	0079 4	0079 5	0082 3	0084 2	0084 3	0084 4	0084 5	0085 2	0087 7	0087 8	0088 4	0088 5	0088 6	0090 0	0092 9	*TOTALS
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node	+	+		+	+	+		+									+	+	+	16
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	49
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	45
Integumentary System																				
Mammary Gland	+	+	+	I	+	+	I	+	+	I	+	+	+	+	+	I	+	+	+	40
Adenocarcinoma																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrosarcoma																				1
Sarcoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granular Cell Tumor Benign					X															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 100PPM

DAY ON TEST	0747	0747	0745	0749	0748	0748	0750	0749	0749	0749	0749	0748	0750	0750	0749	0749	0749	0747	0752	
ANIMAL ID	0076 2	0076 3	0077 6	0078 4	0079 4	0079 5	0082 3	0084 2	0084 3	0084 4	0084 5	0085 2	0087 7	0087 8	0088 4	0088 5	0088 6	0090 0	0092 9	*TOTALS
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Chondrosarcoma, Metastatic, Uncertain Primary Site																				1
Fibrosarcoma, Metastatic, Skin																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Lacrimal Gland	+	+									+									10
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrosarcoma, Metastatic, Skin																				1
Urethra	+																			1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																				3
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:35
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 500PPM

DAY ON TEST	0206	0359	0528	0564	0569	0662	0665	0669	0675	0685	0689	0705	0711	0710	0712	0730	0729	0731	0734	0737	0737	0737	0738	0738	0738	0739	0739	0739	0743	0742	0744
ANIMAL ID	0038	0063	0133	0172	0185	0318	0320	0326	0342	0361	0368	0387	0401	0408	0419	0446	0447	0449	0457	0467	0468	0469	0502	0567	0568	0590	0591	0592	0627	0660	0673
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Serosa, Carcinoma, Metastatic, Prostate						X																									
Intestine Large, Colon	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Serosa, Carcinoma, Metastatic, Prostate						X																									
Intestine Large, Rectum												+				+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Serosa, Carcinoma, Metastatic, Prostate						X																									
Intestine Small, Ileum	A	+	+	+	+	A	A	+	+	+	+	+	+	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	+	+	A	A	+	+	+	+	+	+	+	A	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+
Liver	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Prostate						X																									
Mesentery				+																											
Oral Mucosa									+																						
Osteosarcoma									X																						
Pancreas	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Prostate						X																									
Salivary Glands	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	A	+	+	+	+	A	A	+	+	+	+	+	+	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
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 500PPM

DAY ON TEST	020 6	035 9	052 8	056 4	056 9	066 2	066 5	066 9	067 5	068 5	068 9	070 5	071 1	071 0	071 2	073 0	072 9	073 1	073 4	073 7	073 7	073 7	073 8	073 8	073 8	073 9	073 9	073 9	074 3	074 2	074 4
ANIMAL ID	0003 8	0006 3	0013 3	0017 2	0018 5	0031 8	0032 0	0032 6	0034 2	0036 1	0036 8	0038 7	0040 1	0040 8	0041 9	0044 6	0044 7	0044 9	0045 7	0046 7	0046 8	0046 9	0050 2	0056 7	0056 8	0059 0	0059 1	0059 2	0062 7	0066 0	0067 3
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																X															
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																														X	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																X			X									X			
Carcinoma													X																		
Carcinoma, Metastatic, Prostate						X																									
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma							X	X		X				X			X	X				X	X					X	X	X	
Pars Distalis, Adenoma, Multiple																															
Thyroid Gland	A	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma							X																								
C Cell, Carcinoma																															
General Body System																															
Tissue NOS						+																									
Abdominal, Carcinoma, Metastatic, Prostate						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 500PPM

DAY ON TEST	0206	0359	0528	0564	0569	0662	0665	0669	0675	0685	0689	0705	0711	0710	0712	0730	0729	0731	0734	0737	0737	0737	0738	0738	0738	0739	0739	0739	0743	0742	0744
ANIMAL ID	0038	0063	0133	0172	0185	0318	0320	0326	0342	0361	0368	0387	0401	0408	0419	0446	0447	0449	0457	0467	0468	0469	0502	0567	0568	0590	0591	0592	0627	0660	0673
Genital System																															
Coagulating Gland	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Prostate						X																									
Epididymis	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Prostate						X																									
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma												X																			
Prostate																					+										
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma						X																									
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	M	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma						X																									
Rete Testes	+	+	+	M	+	A	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+
Seminal Vesicle	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Prostate						X																									
Testes	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Capsule, Carcinoma, Metastatic, Prostate						X																									
Seminoma Benign																						X									
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node												+		+											+				+		
Lymph Node, Mandibular	+	+	+	+	+	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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:36
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 500PPM

DAY ON TEST	206	359	528	564	569	662	665	669	675	685	689	705	711	710	712	730	729	731	734	737	737	737	738	738	738	739	739	739	743	742	744
ANIMAL ID	0038	0063	0133	0172	0185	0318	0320	0326	0342	0361	0368	0387	0401	0408	0419	0446	0447	0449	0457	0467	0468	0469	0502	0567	0568	0590	0591	0592	0627	0660	0673
Lymph Node, Mesenteric	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	M	A	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma									X																						
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	A	+	+	M	+	M	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	A	+	+	+	+	A	A	+	+	+	I	A	I	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Fibroadenoma			X											X																	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma																															
Keratoacanthoma																															
Lipoma				X																											
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle						+																									
Carcinoma, Metastatic, Prostate						X																									
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Malignant		X																													
Respiratory 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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:36
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 500PPM

DAY ON TEST	0206	0359	0528	0564	0569	0662	0665	0669	0675	0685	0689	0705	0711	0710	0712	0730	0729	0731	0734	0737	0737	0737	0738	0738	0738	0739	0739	0739	0743	0742	0744
ANIMAL ID	0038	0063	0133	0172	0185	0318	0320	0326	0342	0361	0368	0387	0401	0408	0419	0446	0447	0449	0457	0467	0468	0469	0502	0567	0568	0590	0591	0592	0627	0660	0673
Respiratory System																															
Lung	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Prostate						X																									
Nose	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma															X	X															
Trachea	+	+	+	+	+	A	A	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye						A						+			+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Adventitia, Squamous Cell Carcinoma															X																
Harderian Gland				+								+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland							+		+		+		+	+		+				+				+	+	+					+
Zymbal's Gland					+																										
Squamous Cell Carcinoma					X																										
Urinary System																															
Kidney	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Urethra																									+						
Urinary Bladder	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Serosa, Carcinoma, Metastatic, Prostate						X																									
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				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 Male
F1 500PPM

DAY ON TEST	743	745	745	744	746	745	749	748	748	748	748	749	749	749	749	750	749	749	749	
ANIMAL ID	0069 7	0072 7	0072 8	0072 9	0076 4	0076 7	0078 3	0078 8	0078 9	0079 0	0079 1	0084 7	0084 8	0084 9	0085 0	0087 9	0088 3	0089 8	0089 9	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Serosa, Carcinoma, Metastatic, Prostate																				1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Serosa, Carcinoma, Metastatic, Prostate																				1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	34
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Serosa, Carcinoma, Metastatic, Prostate																				1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma, Metastatic, Prostate																				1
Mesentery																				1
Oral Mucosa																				1
Osteosarcoma																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma, Metastatic, Prostate																				1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
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 500PPM

DAY ON TEST	0743	0745	0745	0744	0746	0745	0749	0748	0748	0748	0748	0749	0749	0749	0749	0750	0749	0749	0749	
ANIMAL ID	0069 7	0072 7	0072 8	0072 9	0076 4	0076 7	0078 3	0078 8	0078 9	0079 0	0079 1	0084 7	0084 8	0084 9	0085 0	0087 9	0088 3	0089 8	0089 9	*TOTALS
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma																				1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pheochromocytoma Benign	X								X			X			X		X	X		7
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma										X									X	5
Carcinoma																				1
Carcinoma, Metastatic, Prostate																				1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	47
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma		X	X		X	X	X			X	X			X				X	X	21
Pars Distalis, Adenoma, Multiple								X												1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
C Cell, Adenoma																				1
C Cell, Carcinoma																		X		1
General Body System																				
Tissue NOS																				1
Abdominal, Carcinoma, Metastatic, Prostate																				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 500PPM

DAY ON TEST	743	745	745	744	746	745	749	748	748	748	748	749	749	749	749	750	749	749	749	
ANIMAL ID	0069 7	0072 7	0072 8	0072 9	0076 4	0076 7	0078 3	0078 8	0078 9	0079 0	0079 1	0084 7	0084 8	0084 9	0085 0	0087 9	0088 3	0089 8	0089 9	*TOTALS
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	45
Carcinoma, Metastatic, Prostate																				1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma, Metastatic, Prostate																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma								X												2
Prostate									+											2
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma																				1
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma																				1
Rete Testes	+	+	+	+	+	M	+	+	I	+	+	+	+	+	+	+	+	+	+	44
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Carcinoma, Metastatic, Prostate																				1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Capsule, Carcinoma, Metastatic, Prostate																				1
Seminoma Benign																				1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node				+						+	+						+			8
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	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
F1 500PPM

DAY ON TEST	743	745	745	744	746	745	749	748	748	748	748	749	749	749	749	750	749	749	749	
ANIMAL ID	0069 7	0072 7	0072 8	0072 9	0076 4	0076 7	0078 3	0078 8	0078 9	0079 0	0079 1	0084 7	0084 8	0084 9	0085 0	0087 9	0088 3	0089 8	0089 9	*TOTALS
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Sarcoma																				1
Thymus	I	+	+	+	+	I	+	+	+	+	+	+	+	+	M	+	+	M	+	42
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	42
Fibroadenoma																				2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma												X								1
Keratoacanthoma	X																			1
Lipoma																		X		2
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				1
Carcinoma, Metastatic, Prostate																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Granular Cell Tumor Malignant																				1
Respiratory 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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:37
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 500PPM

DAY ON TEST	743	745	745	744	746	745	749	748	748	748	748	749	749	749	749	750	749	749	749	
ANIMAL ID	0069 7	0072 7	0072 8	0072 9	0076 4	0076 7	0078 3	0078 8	0078 9	0079 0	0079 1	0084 7	0084 8	0084 9	0085 0	0087 9	0088 3	0089 8	0089 9	*TOTALS
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Carcinoma, Metastatic, Prostate																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Squamous Cell Carcinoma																				2
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	35
Adventitia, Squamous Cell Carcinoma																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Lacrimal Gland			+	+			+													14
Zymbal's Gland																				1
Squamous Cell Carcinoma																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Urethra																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Serosa, Carcinoma, Metastatic, Prostate																				1
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:37
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 5PPM/CTL

DAY ON TEST	040	048	056	058	062	065	066	069	068	071	071	072	073	073	073	073	073	073	073	073	073	073	073	073	073	073	073	073	074	074
ANIMAL ID	0009 2	0012 1	0017 6	0019 9	0025 4	0030 2	0031 9	0032 9	0036 6	0040 9	0041 0	0043 6	0044 8	0045 9	0047 2	0047 3	0047 7	0051 3	0052 5	0057 3	0057 4	0057 7	0059 4	0059 5	0059 6	0059 7	0059 8	0060 2	0062 4	0063 6	0063 7
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	A	+	A	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	A	+	A	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum												+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	A	+	A	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	A	+	A	A	+	A	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	A	A	+	A	A	A	A	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																						X									
Mesentery																															
Pancreas	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	A	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	A	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma														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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:38
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 5PPM/CTL

DAY ON TEST	0406	0486	0565	0584	0627	0655	0665	0669	0689	0713	0713	0724	0731	0734	0737	0737	0737	0738	0736	0739	0739	0738	0739	0739	0739	0739	0739	0739	0739	0742	0742
ANIMAL ID	0092	0121	0176	0199	0254	0302	0319	0329	0366	0409	0410	0436	0448	0459	0472	0473	0477	0513	0525	0573	0574	0577	0594	0595	0596	0597	0598	0602	0624	0636	0637
Adrenal Medulla	+	+	+	A	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Pheochromocytoma Benign											X																				
Pheochromocytoma Benign																								X							
Pheochromocytoma Malignant																								X							
Islets, Pancreatic	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X					X		X		X	X		X	X			X					X				X			
Thyroid Gland	+	+	+	A	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																					X										
Follicular Cel, Adenoma																		X													
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	+	+	+	A	+	A	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Penis			+																												
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma																						X									
Squamous Cell Carcinoma					X																										
Prostate				+	+					+							+									+					
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:38
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 5PPM/CTL

DAY ON TEST	0406	0486	0565	0584	0627	0655	0665	0669	0689	0713	0713	0724	0731	0734	0737	0737	0737	0738	0736	0739	0739	0738	0739	0739	0739	0739	0739	0739	0742	0742
ANIMAL ID	00092	00121	00176	00199	00254	00302	00319	00329	00366	00409	00410	00436	00448	00459	00472	00473	00477	00513	00525	00573	00574	00577	00594	00595	00596	00597	00598	00602	00624	00636	00637
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																												X			
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	A	A	+	A	A	+	A	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node															+	+					+				+	+					
Lymph Node, Mandibular	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosarcoma, Metastatic, Skin																													X		
Lymph Node, Mesenteric	+	+	+	+	+	A	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	I	A	+	I	A	A	I	+	+	+	+	+	I	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma							X																								
Fibrosarcoma																													X		
Lipoma																															
Sarcoma														X																	
Schwannoma Malignant		X																													
Sebaceous Gl, Carcinoma																															

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:38
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 5PPM/CTL

DAY ON TEST	0406	0486	0565	0584	0627	0655	0665	0669	0689	0713	0713	0724	0731	0734	0737	0737	0737	0738	0736	0739	0739	0738	0739	0739	0739	0739	0739	0739	0742	0742
ANIMAL ID	0092	0121	0176	0199	0254	0302	0319	0329	0366	0409	0410	0436	0448	0459	0472	0473	0477	0513	0525	0573	0574	0577	0594	0595	0596	0597	0598	0602	0624	0636	0637
Squamous Cell Carcinoma																								X							
Musculoskeletal System																															
Bone, Femur	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign																							X								
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosarcoma, Metastatic, Skin																													X		
Squamous Cell Carcinoma, Metastatic, Preputial Gland					X																										
Nose	+	+	+	+	+	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye												+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland					+							+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland					+							+	+	+			+		+	+	+		+			+				+	
Urinary 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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:38
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 5PPM/CTL

DAY ON TEST	0406	0486	0565	0584	0627	0655	0665	0669	0689	0713	0713	0724	0731	0734	0737	0737	0737	0738	0736	0739	0739	0738	0739	0739	0739	0739	0739	0739	0739	0742	0742
ANIMAL ID	00092	00121	00176	00199	00254	00302	00319	00329	00366	00409	00410	00436	00448	00459	00472	00473	00477	00513	00525	00573	00574	00577	00594	00595	00596	00597	00598	00602	00624	00636	00637
Kidney	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urethra						+																									
Urinary Bladder	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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
F1 5PPM/CTL

DAY ON TEST	0743	0743	0744	0744	0744	0744	0745	0749	0749	0748	0749	0749	0750	0750	0750	0750	0752	0752	0752	
ANIMAL ID	0068 5	0070 0	0071 6	0073 7	0074 0	0074 1	0077 4	0079 8	0079 9	0080 4	0085 6	0086 0	0089 2	0089 3	0089 4	0089 5	0090 3	0092 0	0092 3	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hepatocellular Adenoma																				1
Mesentery								+												1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma																				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 5PPM/CTL

DAY ON TEST	743	743	744	744	744	744	745	749	749	748	749	749	750	750	750	750	752	752	752	
ANIMAL ID	0068 5	0070 0	0071 6	0073 7	0074 0	0074 1	0077 4	0079 8	0079 9	0080 4	0085 6	0086 0	0089 2	0089 3	0089 4	0089 5	0090 3	0092 0	0092 3	*TOTALS
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Bilateral, Pheochromocytoma Benign																				1
Pheochromocytoma Benign																	X			2
Pheochromocytoma Malignant																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma	X		X			X					X				X		X	X	X	18
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
C Cell, Adenoma																				1
Follicular Cel, Adenoma																				1
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Penis																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Sarcoma																				1
Squamous Cell Carcinoma												X								2
Prostate								+							+	+				8
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 Male
F1 5PPM/CTL

DAY ON TEST	743	743	744	744	744	744	745	749	749	748	749	749	750	750	750	750	752	752	752	
ANIMAL ID	0085	0070	0071	0073	0074	0074	0077	0079	0079	0080	0085	0086	0089	0089	0089	0089	0090	0092	0092	*TOTALS
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																				1
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Testes	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node				+		+			+	+	+	+			+			+	+	14
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Fibrosarcoma, Metastatic, Skin																				1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	47
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma													X							2
Fibrosarcoma																				1
Lipoma								X												1
Sarcoma																				1
Schwannoma Malignant																				1
Sebaceous Gl, Carcinoma				X																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 5PPM/CTL

DAY ON TEST	0743	0743	0744	0744	0744	0744	0745	0749	0749	0748	0749	0749	0750	0750	0750	0750	0752	0752	0752	
ANIMAL ID	0085	0070	0071	0073	0074	0074	0077	0078	0079	0080	0085	0086	0089	0089	0089	0089	0090	0092	0092	*TOTALS
Squamous Cell Carcinoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Granular Cell Tumor Benign																				1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Fibrosarcoma, Metastatic, Skin																				1
Squamous Cell Carcinoma, Metastatic, Preputial Gland																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Lacrimal Gland				+										+				+		14
Urinary 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 5PPM/CTL

DAY ON TEST	743	743	744	744	744	744	745	749	749	748	749	749	750	750	750	750	752	752	752	
ANIMAL ID	0068 5	0070 0	0071 6	0073 7	0074 0	0074 1	0077 4	0079 8	0079 9	0080 4	0085 6	0086 0	0089 2	0089 3	0089 4	0089 5	0090 3	0092 0	0092 3	*TOTALS
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Urethra																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:39
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 100PPM/CTL

DAY ON TEST	267	350	362	456	603	605	610	627	631	644	648	676	678	702	703	722	737	737	737	737	738	738	738	738	738	738	737	742	742	744	744
ANIMAL ID	0042	0061	0064	0116	0217	0225	0226	0240	0269	0286	0290	0346	0349	0388	0391	0430	0474	0475	0476	0503	0514	0515	0519	0520	0526	0579	0583	0631	0632	0679	0681
Alimentary System																															
Esophagus	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Intestine Large, Cecum	+	+	A	A	A	+	+	M	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Intestine Large, Colon	+	+	A	A	A	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Intestine Large, Rectum																+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Intestine Small, Duodenum	+	+	A	A	A	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Intestine Small, Ileum	+	A	A	A	A	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Adenocarcinoma																															
Intestine Small, Jejunum	+	A	A	A	A	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Liver	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Cholangiocarcinoma					X																										
Hepatocellular Adenoma																															
Mesentery													+																		
Pancreas	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Salivary Glands	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Stomach, Forestomach	+	+	+	A	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Stomach, Glandular	+	+	A	A	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 100PPM/CTL

DAY ON TEST	267	350	362	456	603	605	610	627	631	644	648	676	678	702	703	722	737	737	737	737	738	738	738	738	738	738	737	742	742	744	744
ANIMAL ID	0042	0061	0064	0116	0217	0225	0226	0240	0269	0286	0290	0346	0349	0388	0391	0430	0474	0475	0476	0503	0514	0515	0519	0520	0526	0579	0583	0631	0632	0679	0681
Adrenal Cortex	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	A	+	+	+	+
Adenoma																															
Adrenal Medulla	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	A	+	+	+	+
Pheochromocytoma Malignant																															
Islets, Pancreatic	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Adenoma																											X				
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma				X									X			X		X		X						X	X		X		X
Thyroid Gland	+	+	A	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
C Cell, Carcinoma																						X									
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	+	+	+	A	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Adenocarcinoma, Metastatic, Prostate			X																												
Epididymis	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Preputial Gland	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adventitia, Squamous Cell Carcinoma								X																							
Squamous Cell Carcinoma																															
Prostate								+			+										+			+							
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 100PPM/CTL

DAY ON TEST	267	350	362	456	603	605	610	627	631	644	648	676	678	702	703	722	737	737	737	737	738	738	738	738	738	738	737	742	742	744	744
ANIMAL ID	0042	0061	0064	0116	0217	0225	0226	0240	0269	0286	0290	0346	0349	0388	0391	0430	0474	0475	0476	0503	0514	0515	0519	0520	0526	0579	0583	0631	0632	0679	0681
Adenocarcinoma			X																												
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Adenocarcinoma			X																												
Rete Testes	+	+	+	+	M	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I
Seminal Vesicle	+	+	+	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Adenocarcinoma, Metastatic, Prostate			X																												
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	A		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Lymph Node							+											+				+							+		+
Lymph Node, Mandibular	+	+	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Lymph Node, Mesenteric	+	+	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Spleen	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Hemangiosarcoma																												X			
Thymus	I	+	+	A	+	+	I	+	M	+	+	+	+	M	+	I	I	+	+	+	+	+	+	M	+	+	A	+	+	+	+
Integumentary System																															
Mammary Gland	I	+	M	I	I	+	I	I	M	+	I	I	+	M	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	I	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Keratoacanthoma																															
Lipoma													X																		
Sarcoma																			X												
Schwannoma Benign																															

* ..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 100PPM/CTL

DAY ON TEST	267	350	362	456	603	605	610	627	631	644	648	676	678	702	703	722	737	737	737	737	738	738	738	738	738	738	737	742	742	744	744
ANIMAL ID	0042	0061	0064	0116	0217	0225	0226	0240	0269	0286	0290	0346	0349	0388	0391	0430	0474	0475	0476	0503	0514	0515	0519	0520	0526	0579	0583	0631	0632	0679	0681
Squamous Cell Carcinoma								X																							
Musculoskeletal System																															
Bone, Cranium										+																					
Osteoma										X																					
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Brain, Cerebellum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Astrocytoma Malignant											X																				
Granular Cell Tumor Malignant						X																									
Brain, Cerebrum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Astrocytoma Malignant																															
Granular Cell Tumor Benign																															
Granular Cell Tumor Malignant						X																									
Respiratory System																															
Lung	+	+	A	A	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Nose	+	+	A	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Squamous Cell Carcinoma															X																
Trachea	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Special Senses System																															
Eye															+	+	+	+	+	+	+	+	+	+	+	+	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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 100PPM/CTL

DAY ON TEST	267	350	362	456	603	605	610	627	631	644	648	676	678	702	703	722	737	737	737	737	738	738	738	738	738	738	737	742	742	744	744
ANIMAL ID	0042	0061	0064	0116	0217	0225	0226	0240	0269	0286	0290	0346	0349	0388	0391	0430	0474	0475	0476	0503	0514	0515	0519	0520	0526	0579	0583	0631	0632	0679	0681
Eye															+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Harderian Gland																+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Lacrimal Gland																		+			+	+				+		+			
Zymbal's Gland									+																						
Carcinoma									X																						
Urinary System																															
Kidney	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
Urethra																															
Urinary Bladder	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		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 Male
F1 100PPM/CTL

DAY ON TEST	745	745	744	746	746	746	745	745	749	748	750	749	750	749	749	752	747	752	752	
ANIMAL ID	0073 3	0074 34	0074 43	0076 68	0076 69	0077 70	0077 72	0077 73	0078 85	0079 97	0082 25	0085 57	0088 87	0089 90	0089 91	0090 01	0090 06	0092 21	0092 22	*TOTALS
Alimentary System																				
Esophagus	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Large, Cecum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Large, Colon	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Rectum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	33
Intestine Small, Duodenum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Ileum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Adenocarcinoma																X				1
Intestine Small, Jejunum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Liver	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Cholangiocarcinoma																				1
Hepatocellular Adenoma	X																			1
Mesentery																				1
Pancreas	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Salivary Glands	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Stomach, Forestomach	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Stomach, Glandular	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
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

CD Rat Male
F1 100PPM/CTL

DAY ON TEST	745	745	744	746	746	746	745	745	749	748	750	749	750	749	749	752	747	752	752	
ANIMAL ID	0073 3	0074 34	0074 43	0076 68	0076 69	0077 70	0077 72	0077 73	0078 85	0079 97	0082 25	0085 57	0088 87	0089 90	0089 91	0090 01	0090 06	0092 21	0092 22	*TOTALS
Adrenal Cortex	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Adenoma																	X			1
Adrenal Medulla	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Pheochromocytoma Malignant									X											1
Islets, Pancreatic	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Adenoma																				1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	47
Pituitary Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	I	48
Pars Distalis, Adenoma		X	X								X		X							13
Thyroid Gland	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
C Cell, Carcinoma																				1
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adenocarcinoma, Metastatic, Prostate																				1
Epididymis	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Preputial Gland	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adventitia, Squamous Cell Carcinoma																				1
Squamous Cell Carcinoma	X																			1
Prostate		+										+								6
Prostate, Dorsal 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 100PPM/CTL

DAY ON TEST	745	745	744	746	746	746	745	745	749	748	750	749	750	749	749	752	747	752	752	
ANIMAL ID	0073 3	0074 34	0074 43	0076 68	0076 69	0077 70	0077 72	0077 73	0078 85	0079 97	0082 25	0085 57	0088 87	0089 90	0089 91	0090 01	0090 06	0092 21	0092 22	*TOTALS
Adenocarcinoma																				1
Prostate, Ventral Lobe	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenocarcinoma																				1
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Seminal Vesicle	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adenocarcinoma, Metastatic, Prostate																				1
Testes	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hematopoietic System																				
Bone Marrow	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymph Node		+							+	+	+	+	+		+		+	+		14
Lymph Node, Mandibular	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Lymph Node, Mesenteric	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Spleen	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hemangiosarcoma																				1
Thymus	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Integumentary System																				
Mammary Gland	+	+	A	+	+	+	+	I	+	I	+	+	+	I	+	+	+	+	+	34
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Keratoacanthoma			X																	1
Lipoma																				1
Sarcoma																				1
Schwannoma Benign	X																			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 100PPM/CTL

DAY ON TEST	0745	0745	0744	0746	0746	0746	0745	0745	0749	0748	0750	0749	0750	0749	0749	0752	0747	0752	0752	
ANIMAL ID	0073 3	0074 3	0074 3	0076 8	0076 9	0077 0	0077 2	0077 3	0078 5	0079 7	0082 5	0085 7	0088 7	0089 0	0089 1	0090 1	0090 6	0092 1	0092 2	*TOTALS
Squamous Cell Carcinoma																				1
Musculoskeletal System																				
Bone, Cranium																				1
Osteoma																				1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Astrocytoma Malignant																				1
Granular Cell Tumor Malignant																				1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Astrocytoma Malignant						X														1
Granular Cell Tumor Benign		X																		1
Granular Cell Tumor Malignant																				1
Respiratory System																				
Lung	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Nose	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Squamous Cell Carcinoma																				1
Trachea	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Special Senses System																				
Eye	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	33

* ..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 100PPM/CTL

DAY ON TEST	745	745	744	746	746	746	745	745	749	748	750	749	750	749	749	752	747	752	752	
ANIMAL ID	0073 3	0073 4	0074 3	0076 8	0076 9	0077 0	0077 2	0077 3	0078 5	0079 7	0082 5	0085 7	0088 7	0089 0	0089 1	0090 1	0090 6	0092 1	0092 2	*TOTALS
Eye	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	33
Harderian Gland	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	33
Lacrimal Gland	+	+		+	+							+						+	+	12
Zymbal's Gland																				1
Carcinoma																				1
Urinary System																				
Kidney	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Urethra																		+		1
Urinary Bladder	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:41
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 500PPM/CTL

DAY ON TEST	449	534	568	588	674	675	698	699	705	711	721	727	737	737	737	738	738	738	738	738	738	738	739	739	739	744	743	743	744	744	744	744
ANIMAL ID	0010 5	0013 8	0018 0	0020 2	0034 3	0034 8	0038 1	0038 4	0039 6	0040 0	0043 4	0044 1	0047 8	0047 9	0048 0	0051 6	0052 1	0052 2	0052 3	0052 4	0057 8	0058 0	0059 9	0060 0	0060 1	0063 3	0063 4	0063 5	0068 0	0068 2	0073 5
Alimentary System																																
Esophagus	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	A	A	+	+	A	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	A	+	A	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																											X					
Intestine Large, Rectum									A		+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	A	A	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma																																
Intestine Small, Ileum	A	A	A	+	+	A	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	A	A	+	+	A	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+
Liver	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma		X																														
Mesentery																		+														
Pancreas	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinar Cell, Adenoma																							X									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	A	A	+	+	+	+	+	+	A	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																																
Blood Vessel	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:41
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 500PPM/CTL

DAY ON TEST	049	054	058	058	067	067	069	069	070	071	072	072	073	073	073	073	073	073	073	073	073	073	073	073	074	074	074	074	074	074	074
ANIMAL ID	0010 5	0013 8	0018 0	0020 2	0034 3	0034 8	0038 1	0038 4	0039 6	0040 0	0043 4	0044 1	0047 8	0047 9	0048 0	0051 6	0052 1	0052 2	0052 3	0052 4	0057 8	0058 0	0059 9	0060 0	0060 1	0063 3	0063 4	0063 5	0068 0	0068 2	0073 5
Endocrine System																															
Adrenal Cortex	A	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Adenoma																															
Adrenal Medulla	A	+	+	A	+	+	+	+	A	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Pheochromocytoma Benign														X																	
Pheochromocytoma Complex																															
Pheochromocytoma Malignant																															
Islets, Pancreatic	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma										X																X					
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+
Adenoma																			X												
Pituitary Gland	A	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma								X	X	X	X						X				X				X						
Pars Distalis, Adenoma, Multiple																															
Thyroid Gland	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																												X			
Follicular Cel, Adenoma																															
General Body System																															
NONE																															
Genital System																															
Coagulating Gland	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
F1 500PPM/CTL

DAY ON TEST	449	534	568	588	674	675	698	699	705	711	721	727	737	737	738	738	738	738	738	738	738	739	739	739	739	744	743	743	744	744	744
ANIMAL ID	0010 5	0013 8	0018 0	0020 2	0034 3	0034 8	0038 1	0038 4	0039 6	0040 0	0043 4	0044 1	0047 8	0047 9	0048 0	0051 6	0052 1	0052 2	0052 3	0052 4	0057 8	0058 0	0059 9	0060 0	0060 1	0063 3	0063 4	0063 5	0068 0	0068 2	0073 5
Epididymis	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma										X																					
Prostate	A																							+							+
Prostate, Dorsal Lobe	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Urinary Bladder																		X													
Prostate, Ventral Lobe	A	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma		X																													
Carcinoma, Metastatic, Urinary Bladder																		X													
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminoma Benign																															
Hematopoietic System																															
Bone Marrow	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node				+	+				+	+								+			+										
Lymph Node, Mandibular	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	A	A	+	+	+	+	+	+	A	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	A	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	I	A	I	+	+	+	+	+	A	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:42
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F1 500PPM/CTL

DAY ON TEST	0449	0534	0568	0588	0674	0675	0698	0699	0705	0711	0721	0727	0737	0737	0738	0738	0738	0738	0738	0738	0738	0738	0739	0739	0739	0744	0743	0743	0744	0744	0744
ANIMAL ID	0015	0018	0018	0020	0034	0034	0038	0038	0039	0040	0043	0044	0047	0048	0051	0052	0052	0052	0052	0057	0058	0059	0060	0060	0063	0063	0063	0063	0068	0068	0073
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma																							X								
Sarcoma	X																														
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle												+	+																		
Nervous System																															
Brain, Brain Stem	A	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																															
Glioma Malignant			X																												
Brain, Cerebellum	A	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	A	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																															
Glioma Malignant			X																												
Respiratory System																															
Lung	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Ear							+																								
Neural Crest Tumor							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 500PPM/CTL

DAY ON TEST	449	534	568	588	674	675	698	699	705	711	721	727	737	737	737	738	738	738	738	738	738	739	739	739	744	743	743	744	744	744	744
ANIMAL ID	0010 5	0013 8	0018 0	0020 2	0034 3	0034 8	0038 1	0038 4	0039 6	0040 0	0043 4	0044 1	0047 8	0047 9	0048 0	0051 6	0052 1	0052 2	0052 3	0052 4	0057 8	0058 0	0059 9	0060 0	0060 1	0063 3	0063 4	0063 5	0068 0	0068 2	0073 5
Neural Crest Tumor							X																								
Eye									A		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland									+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland						+														+								+		+	
Urinary System																															
Kidney	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urethra		+										+																			
Urinary Bladder	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Transit Epithe, Carcinoma																		X													
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
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

CD Rat Male
F1 500PPM/CTL

DAY ON TEST	074	074	074	074	074	074	074	074	074	074	074	074	075	075	075	075	074	075	075	
ANIMAL ID	0073 8	0073 9	0077 1	0078 6	0078 7	0080 0	0080 1	0080 2	0082 4	0085 3	0085 8	0085 9	0086 4	0086 5	0088 8	0088 9	0090 4	0092 4	0092 5	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Adenoma																				1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Sarcoma								X												1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hepatocellular Adenoma																				1
Mesentery																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Acinar Cell, Adenoma																				1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
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 500PPM/CTL

DAY ON TEST	074	074	074	074	074	074	074	074	074	074	074	074	074	075	075	075	074	075	075	
ANIMAL ID	0073	0073	0077	0078	0078	0080	0080	0080	0082	0085	0085	0085	0086	0086	0088	0088	0090	0092	0092	*TOTALS
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Adenoma			X																	1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Pheochromocytoma Benign			X	X							X									4
Pheochromocytoma Complex								X												1
Pheochromocytoma Malignant	X									X										2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma														X						3
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Adenoma																				1
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pars Distalis, Adenoma	X				X			X		X				X		X		X	X	15
Pars Distalis, Adenoma, Multiple																	X			1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
C Cell, Adenoma																				1
Follicular Cel, Adenoma																	X			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 500PPM/CTL

DAY ON TEST	744	744	745	749	749	748	748	748	749	749	749	749	750	750	750	750	749	753	752	
ANIMAL ID	0073 8	0073 9	0077 1	0078 6	0078 7	0080 0	0080 1	0080 2	0082 4	0085 3	0085 8	0085 9	0086 4	0086 5	0088 8	0088 9	0090 4	0092 4	0092 5	*TOTALS
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma																				1
Prostate				+																3
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma, Metastatic, Urinary Bladder																				1
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma																				1
Carcinoma, Metastatic, Urinary Bladder																				1
Rete Testes	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	49
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminoma Benign				X																1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node						+							+	+						9
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Thymus	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	45
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45

* ..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 500PPM/CTL

DAY ON TEST	744	744	745	749	749	748	748	748	749	749	749	749	750	750	750	750	749	753	752	
ANIMAL ID	0073 8	0073 9	0077 1	0078 6	0078 7	0080 0	0080 1	0080 2	0082 4	0085 3	0085 8	0085 9	0086 4	0086 5	0088 8	0088 9	0090 4	0092 4	0092 5	*TOTALS
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma													X							2
Sarcoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				2
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Astrocytoma Malignant													X							1
Glioma Malignant																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Astrocytoma Malignant													X							1
Glioma Malignant																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Special Senses System																				
Ear																				1
Neural Crest Tumor																				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 500PPM/CTL

DAY ON TEST	0744	0744	0745	0749	0749	0748	0748	0748	0749	0749	0749	0749	0750	0750	0750	0750	0749	0753	0752	
ANIMAL ID	0073 8	0073 9	0077 1	0078 6	0078 7	0080 0	0080 1	0080 2	0082 4	0085 3	0085 8	0085 9	0086 4	0086 5	0088 8	0088 9	0090 4	0092 4	0092 5	*TOTALS
Neural Crest Tumor																				1
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Lacrimal Gland				+																5
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Urethra																				2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Transit Epithe, Carcinoma																				1
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
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 0 PPM

DAY ON TEST	0260	0402	0468	0494	0497	0497	0506	0550	0581	0606	0609	0635	0662	0665	0683	0695	0729	0742	0744	0751	0751	0751	0751	0750	0752	0752	0755	0755	0754	0754	0755
ANIMAL ID	0055	0104	0126	0144	0146	0147	0151	0206	0239	0295	0296	0351	0398	0413	0443	0622	0938	0947	0948	0970	0971	0972	0973	0974	0990	0991	0144	0145	0146	0147	0172
Alimentary System																															
Esophagus	A	A	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																		X													
Intestine Large, Cecum	A	A	A	A	A	A	+	A	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	A	A	A	A	A	A	+	A	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																															
Intestine Large, Rectum	A										+		+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyosarcoma											X																				
Intestine Small, Duodenum	A	A	A	A	A	A	+	A	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																															
Intestine Small, Ileum	A	A	A	A	A	A	+	A	+	A	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	A	A	A	A	A	A	A	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																											X				
Hepatocellular Carcinoma														X																	
Pancreas	A	M	I	A	+	+	+	A	+	+	M	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	A	+	+	A	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																		X													
Stomach, Forestomach	A	A	A	A	A	A	+	+	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	A	A	A	A	A	A	+	A	+	+	M	+	+	+	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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:43
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 0 PPM

DAY ON TEST	026	040	046	049	049	049	050	055	058	060	060	063	066	066	068	069	072	074	074	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0055	0104	0126	0144	0146	0147	0151	0206	0239	0295	0296	0351	0398	0413	0443	0622	0938	0947	0948	0970	0971	0972	0973	0974	0990	0991	0144	0145	0146	0147	0172
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																		X													
Heart	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pericardium, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																		X													
Endocrine System																															
Adrenal Cortex	A	+	+	A	+	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	A	+	+	A	+	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																															
Pheochromocytoma Malignant																															
Islets, Pancreatic	A	M	I	+	+	+	+	A	+	+	M	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																													X		
Parathyroid Gland	I	+	+	+	+	+	+	+	+	+	M	I	+	+	+	+	+	M	+	+	M	+	M	+	+	+	M	+	M	+	+
Pituitary Gland	A	+	+	A	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma							X		X	X		X	X		X				X				X	X	X				X		
Pars Distalis, Adenoma, Multiple																															
Thyroid Gland	+	+	A	A	+	A	+	A	+	+	M	+	+	+	A	A	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, C Cell, Adenoma																															
C Cell, Adenoma																				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
F3 0 PPM

DAY ON TEST	026	040	046	049	049	049	050	055	058	060	060	063	066	066	068	069	072	074	074	074	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0005	0010	0012	0014	0014	0014	0015	0020	0023	0029	0029	0035	0039	0041	0044	0062	0093	0094	0094	0097	0097	0097	0097	0097	0099	0099	0099	0104	0104	0104	0107
NONE																															
Genital System																															
Coagulating Gland	A	A	A	A	+	+	+	A	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	A	+	+	+	+	+	+	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	A	+	+	+	+	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Prostate				+		+					M		+					+													
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate, Ventral Lobe	+	+	A	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	+	+	M	M	+	+	+	+	M	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	A	A	A	A	+	A	+	A	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	M		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstit Cell, Adenoma																								X							
Seminoma Benign																															
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	A	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node	+	+			+									+		A	+											+			
Lymph Node, Mandibular	+	+	+	+	+	A	+	+	+	+	M	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																		X													
Lymph Node, Mesenteric	A	+	A	+	+	A	+	+	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma																															

* ..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 0 PPM

DAY ON TEST	0260	0402	0468	0494	0497	0497	0506	0550	0581	0606	0609	0635	0662	0665	0683	0695	0729	0742	0744	0751	0751	0751	0750	0752	0752	0755	0755	0754	0754	0755
ANIMAL ID	0055	0104	0126	0144	0146	0147	0151	0206	0239	0295	0296	0351	0398	0413	0443	0622	0938	0947	0948	0970	0971	0972	0973	0974	0990	0991	0104	0104	0104	0107
Thymus	A	+	+	+	+	A	+	+	+	+	M	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																		X												
Integumentary System																														
Mammary Gland	A	I	I	A	I	A	+	A	+	I	M	I	+	+	A	M	I	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	A	+	+	+	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Keratoacanthoma																														
Schwannoma Malignant																	X													
Squamous Cell Carcinoma													X																	
Musculoskeletal System																														
Bone, Cranium				+																										
Bone, Femur	+	A	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																		+												
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																		X												
Nervous System																														
Brain, Brain Stem	A	+	+	A	A	+	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	A	+	+	+	A	+	+	A	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant				X																										
Brain, Cerebrum	A	+	+	A	A	+	+	A	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																														

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:44
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 0 PPM

DAY ON TEST	026 0	040 2	046 8	049 4	049 7	049 7	050 6	055 0	058 1	060 6	060 9	063 5	066 2	066 5	068 3	069 5	072 9	074 2	074 4	075 1	075 1	075 1	075 1	075 0	075 2	075 2	075 5	075 5	075 4	075 4	075 5
ANIMAL ID	0005 5	0010 4	0012 6	0014 4	0014 6	0014 7	0015 1	0020 6	0023 9	0029 5	0029 6	0035 1	0039 8	0041 3	0044 3	0062 2	0093 8	0094 7	0094 8	0097 0	0097 1	0097 2	0097 3	0097 4	0099 0	0099 1	0104 4	0104 5	0104 6	0104 7	0107 2
Respiratory System																															
Lung	A	+	+	A	+	+	+	+	+	+	M	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																		X													
Nose	A	+	+	A	+	+	+	A	+	+	M	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	A	+	+	A	+	A	+	A	+	+	M	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																		X													
Special Senses System																															
Eye	A										M		+	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	A										M		+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	A	+	+	A	+	A	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	A	+	I	A	+	A	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia	X																														
Lymphoma Malignant		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 Male
F3 0 PPM

DAY ON TEST	755	755	755	755	755	755	755	755	755	756	756	756	754	754	753	753	753	752	755	754	755	
ANIMAL ID	0109 8	0109 9	0113 0	0113 1	0113 2	0113 3	0113 4	0113 5	0113 6	0115 4	0117 5	0117 6	0117 7	0117 8	0117 9	0118 0	0118 1	0118 2	0119 9	0120 0	0120 9	*TOTALS
Alimentary System																						
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																						1
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Adenocarcinoma																	X					1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Leiomyosarcoma																						1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Adenocarcinoma															X						X	2
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hepatocellular Adenoma																						1
Hepatocellular Carcinoma																						1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																						1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41

* ..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 0 PPM

DAY ON TEST	075	075	075	075	075	075	075	075	075	076	076	076	074	074	073	073	073	072	075	074	075	
ANIMAL ID	0109 8	0109 9	0113 0	0113 1	0113 2	0113 3	0113 4	0113 5	0113 6	0115 4	0117 5	0117 6	0117 7	0117 8	0117 9	0118 0	0118 1	0118 2	0119 9	0120 0	0120 9	*TOTALS
Cardiovascular System																						
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																						1
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Pericardium, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																						1
Endocrine System																						
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pheochromocytoma Benign	X			X		X														X		4
Pheochromocytoma Malignant													X									1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	45
Adenoma													X					X				3
Parathyroid Gland	+	+	+	M	+	I	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma												X			X	X	X	X				16
Pars Distalis, Adenoma, Multiple													X									1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Bilateral, C Cell, Adenoma									X													1
C Cell, Adenoma																						1
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
F3 0 PPM

DAY ON TEST	075	075	075	075	075	075	075	075	075	076	076	076	075	075	075	075	075	075	075	075	075	
ANIMAL ID	0109 8	0109 9	0113 0	0113 1	0113 2	0113 3	0113 4	0113 5	0113 6	0115 4	0117 5	0117 6	0117 7	0117 8	0117 9	0118 0	0118 1	0118 2	0119 9	0120 0	0120 9	*TOTALS
NONE																						
Genital System																						
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Prostate						+			+													6
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Interstit Cell, Adenoma																						1
Seminoma Benign						X																1
Hematopoietic System																						
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node	+							+			+		+		+		+			+		13
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																						1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Sarcoma												X										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 0 PPM

DAY ON TEST	075	075	075	075	075	075	075	075	075	076	075	076	075	075	075	075	075	075	075	075	075	
ANIMAL ID	0109	0109	0113	0113	0113	0113	0113	0113	0113	0115	0117	0117	0117	0117	0117	0118	0118	0118	0119	0120	0120	*TOTALS
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	46
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																						1
Integumentary System																						
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Keratoacanthoma												X										1
Schwannoma Malignant																						1
Squamous Cell Carcinoma																						1
Musculoskeletal System																						
Bone, Cranium										+												2
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																						1
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																						1
Nervous System																						
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Astrocytoma Malignant																						1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Astrocytoma Malignant								X														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 0 PPM

DAY ON TEST	075	075	075	075	075	075	075	075	075	076	076	076	075	075	075	075	075	075	075	075	075	
ANIMAL ID	0109	0109	0113	0113	0113	0113	0113	0113	0113	0115	0117	0117	0117	0117	0117	0118	0118	0118	0119	0120	0120	*TOTALS
Respiratory System																						
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																						1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																						1
Special Senses System																						
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Urinary System																						
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
SYSTEMIC LESIONS																						
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Leukemia																						1
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:45
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 5PPM TO CTL

DAY ON TEST	084	295	522	570	587	593	617	694	751	751	751	751	751	751	751	751	752	752	752	751	755	755	754	754	754	754	755	754	754	754	754
ANIMAL ID	0020	0059	0017	0027	0072	0082	0012	0056	0075	0076	0077	0078	0079	0080	0081	0082	0092	0093	0094	0095	0048	0049	0050	0051	0052	0053	0073	0074	0075	0076	0077
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	A	A	A	A	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	A	A	A	A	A	A	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	A	A	A	A	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Carcinoma													X																		
Mesentery																															
Pancreas	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	A	+	A	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	A	A	A	A	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:45
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 5PPM TO CTL

DAY ON TEST	084	295	522	570	587	593	617	694	751	751	751	751	751	751	751	751	752	752	752	751	755	755	754	754	754	754	755	754	754	754	754
ANIMAL ID	0020	0059	0177	0227	0272	0282	0312	0560	0975	0976	0977	0978	0979	0980	0981	0982	0992	0993	0994	0995	0148	0149	0150	0151	0152	0153	0173	0174	0175	0176	0177
Pheochromocytoma Benign																	X										X				
Islets, Pancreatic	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															X
Parathyroid Gland	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	A	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X								X		X	X	X		X	X	X											X	X
Thyroid Gland	+	A	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
General Body System																															
Tissue NOS																															
Abdominal, Sarcoma																															
Genital System																															
Coagulating Gland	+	A	M	A	A	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate	+			A	A		A										+	+					+						+	+	+
Prostate, Dorsal Lobe	+	+	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate, Ventral Lobe	+	+	A	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	A	A	A	A	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstit Cell, Adenoma																															

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:45
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 5PPM TO CTL

DAY ON TEST	084	295	522	570	587	593	617	694	751	751	751	751	751	751	751	751	752	752	752	751	755	755	754	754	754	754	755	754	754	754	754
ANIMAL ID	0020	0059	0177	0227	0272	0282	0312	0560	0975	0976	0977	0978	0979	0980	0981	0982	0992	0993	0994	0995	0148	0149	0150	0151	0152	0153	0173	0174	0175	0176	0177
Hematopoietic System																															
Bone Marrow	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node														+		+		+												+	
Lymph Node, Mandibular	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma																															
Thymus	+	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	I	A	I	I	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma													X																		
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	A	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	A	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	A	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant														X																	
Respiratory 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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:46
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 5PPM TO CTL

DAY ON TEST	084	295	522	570	587	593	617	694	751	751	751	751	751	751	751	751	752	752	752	751	755	755	754	754	754	754	755	754	754	754	754
ANIMAL ID	0020	0059	0177	0227	0272	0282	0312	0560	0975	0976	0977	0978	0979	0980	0981	0982	0992	0993	0994	0995	1048	1049	1050	1051	1052	1053	1073	1074	1075	1076	1077
Lung	+	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																				X											
Carcinoma, Metastatic, Uncertain Primary Site								X																							
Nose	+	+	A	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																															
Trachea	+	A	A	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye					A		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Retrobulbar, Carcinoma								X																							
Harderian Gland								+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland																				+											
Urinary System																															
Kidney	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urethra																												+			+
Urinary Bladder	+	A	+	A	A	A	+	A	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma 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 5PPM TO CTL

DAY ON TEST	754	755	755	755	755	755	754	754	755	754	755	754	754	754	751	751	750	750	751	
ANIMAL ID	0108	0110	0113	0113	0113	0114	0114	0114	0118	0118	0120	0120	0120	0120	0120	0120	0120	0120	0121	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hepatocellular Carcinoma																				1
Mesentery					+															1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	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 5PPM TO CTL

DAY ON TEST	754	755	755	755	755	755	754	754	755	754	755	754	754	754	751	751	750	750	751	
ANIMAL ID	0108	0110	0113	0113	0113	0114	0114	0114	0118	0118	0120	0122	0123	0124	0125	0126	0127	0128	0129	*TOTALS
Pheochromocytoma Benign						X														3
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma		X												X						3
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	46
Pituitary Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	46
Pars Distalis, Adenoma	X		X	X	X		X					X	X	X						18
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
General Body System																				
Tissue NOS								+												1
Abdominal, Sarcoma								X												1
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Prostate	+																			8
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Rete Testes	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Interstit Cell, Adenoma														X						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 5PPM TO CTL

DAY ON TEST	754	755	755	755	755	755	754	754	755	754	755	754	754	754	751	751	750	750	751	
ANIMAL ID	0107 8	0110 0	0113 7	0113 8	0113 9	0114 0	0114 1	0114 2	0118 3	0118 4	0120 1	0120 2	0120 3	0120 4	0120 5	0120 6	0120 7	0120 8	0121 2	*TOTALS
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node	+	+	+				+						+							9
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Sarcoma											X									1
Thymus	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	45
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Astrocytoma Malignant																				1
Respiratory 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 5PPM TO CTL

DAY ON TEST	754	755	755	755	755	755	754	754	755	754	755	754	754	754	751	751	750	750	751	
ANIMAL ID	0108	0110	0113	0113	0113	0114	0114	0114	0118	0118	0120	0120	0120	0120	0120	0120	0120	0120	0121	*TOTALS
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenocarcinoma																				1
Carcinoma, Metastatic, Uncertain Primary Site																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Squamous Cell Carcinoma														X						1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Retrobulbar, Carcinoma																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Lacrimal Gland								+												2
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Urethra																				2
Urinary Bladder	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	43
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:46
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 100PPM TO CTL

DAY ON TEST	051	038	057	054	050	055	057	059	064	069	066	065	068	068	070	071	073	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0016	0089	0018	0023	0027	0014	0028	0079	0067	0086	0042	0043	0037	0040	0081	0034	0046	0083	0084	0085	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106
Alimentary System																															
Esophagus	+	+	+	+	M	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	A	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	A	A	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	M												+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	A	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	A	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	A	A	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	A	+	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinar Cell, Adenoma																														X	
Salivary Glands	A	+	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	A	A	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue				+																											
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	A	+		+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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 100PPM TO CTL

DAY ON TEST	005 1	033 8	052 7	054 4	055 0	055 5	057 0	059 3	064 5	065 9	066 6	066 5	068 1	068 0	070 2	071 5	073 7	075 1	075 1	075 1	075 2	075 1	075 1	075 1	075 1	075 1	075 1	075 1	075 1	075 1
ANIMAL ID	0016	0089	0018	0020	0027	0014	0028	0027	0036	0038	0040	0040	0043	0044	0078	0093	0094	0098	0098	0098	0099	0099	0099	0099	0100	0100	0100	0100	0100	0100
Adrenal Medulla	+	+	+	+	A	+		+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign															X								X			X			
Islets, Pancreatic	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																						X								
Carcinoma																														
Parathyroid Gland	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Adenoma																														
Pituitary Gland	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma					X					X			X		X			X				X		X	X				X	X
Thyroid Gland	A	+	A	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
General Body System																														
NONE																														
Genital System																														
Coagulating Gland	M	+	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma, Metastatic, Uncertain Primary Site																														
Epididymis	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	M	+	M	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																	X													
Squamous Cell Carcinoma									X		X			X		X														
Prostate	M									+	+												+							
Prostate, Dorsal Lobe	M	+	+	+	+	+		+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma, Metastatic, Uncertain Primary Site																														

* ..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 100PPM TO CTL

DAY ON TEST	051	038	057	054	050	055	070	059	045	059	066	065	081	080	072	015	037	051	051	051	052	051	051	051	051	051	051	051	051	051	051
ANIMAL ID	0016	0089	0018	0020	0027	0014	0028	0079	0067	0086	0042	0043	0037	0040	0081	0094	0046	0083	0084	0085	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106
Prostate, Ventral Lobe	M	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Rete Testes	M	+	+	+	M	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+
Seminal Vesicle	M	A	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Sarcoma																															
Sarcoma, Metastatic, Uncertain Primary Site																															
Testes	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node								+						+			+	+	+		+	+	+	+	+				+		
Lymph Node, Mandibular	M	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	A	+	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	M	+	+	+	+	+		+	+	+	+	+	+	M	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	I
Integumentary System																															
Mammary Gland	A	+	+	+	A	I		+	M	I	I	+	+	+	I	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+
Adenocarcinoma																			X												
Skin	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lipoma																															
Squamous Cell Carcinoma									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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:47
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 100PPM TO CTL

DAY ON TEST	051	038	057	054	050	055	070	059	045	059	066	065	081	080	702	715	737	751	751	751	752	751	751	751	751	751	751	751	751	751	751
ANIMAL ID	0016	0089	0018	0020	0027	0014	0028	0079	0036	0038	0042	0043	0037	0040	0081	0034	0046	0083	0084	0085	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+		+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	A	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	A	+	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma								X																							
Trachea	+	+	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	A												+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	A												+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland										+															+						
Zymbal's Gland						+																									
Adenoma						X																									
Urinary System																															
Kidney	A	+	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urethra																	+								+						

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:47
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 100PPM TO CTL

DAY ON TEST	051	038	052	054	055	055	057	059	064	065	066	066	068	068	070	071	073	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0016	0089	0018	0020	0020	0021	0022	0027	0036	0038	0040	0040	0043	0044	0078	0093	0094	0098	0098	0098	0099	0099	0099	0100	0100	0100	0100	0100	0100	0100	0100
Urinary Bladder	M	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																															
Leukemia Mononuclear				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 100PPM TO CTL

DAY ON TEST	755	755	755	754	754	754	755	755	755	755	755	756	755	755	755	755	756	754	756	
ANIMAL ID	0104	0105	0106	0106	0107	0108	0109	0108	0108	0108	0108	0114	0114	0114	0114	0114	0118	0118	0121	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Small, Ileum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Acinar Cell, Adenoma				X																2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Tongue																				1
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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
F3 100PPM TO CTL

DAY ON TEST	755	755	755	754	754	754	755	755	755	755	755	756	755	755	755	755	756	754	756	
ANIMAL ID	0104	0105	0106	0106	0106	0106	0107	0108	0108	0108	0108	0114	0114	0114	0114	0114	0118	0118	0121	*TOTALS
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Pheochromocytoma Benign											X									4
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma																	X			2
Carcinoma																			X	1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma							X													1
Pituitary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	48
Pars Distalis, Adenoma		X			X		X	X			X	X				X				17
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Sarcoma, Metastatic, Uncertain Primary Site		X																		1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Carcinoma																				1
Squamous Cell Carcinoma									X											5
Prostate								+		+							+			6
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Sarcoma, Metastatic, Uncertain Primary Site		X																		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 100PPM TO CTL

DAY ON TEST	755	755	755	754	754	754	755	755	755	755	755	756	755	755	755	755	756	754	756	
ANIMAL ID	0104	0105	0106	0106	0106	0106	0107	0108	0108	0108	0108	0114	0114	0114	0114	0114	0118	0118	0121	*TOTALS
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenoma		X																		1
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma																	X			1
Sarcoma													X							1
Sarcoma, Metastatic, Uncertain Primary Site		X																		1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node		+			+	+		+				+		+					+	18
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Thymus	+	+	I	+	I	+	+	+	+	+	+	+	+	I	+	+	+	+	+	41
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Adenocarcinoma																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lipoma										X										1
Squamous Cell Carcinoma			X																	3

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:48
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 100PPM TO CTL

DAY ON TEST	755	755	755	754	754	754	755	755	755	755	755	756	755	755	755	755	756	754	756	
ANIMAL ID	0104	0105	0106	0106	0106	0106	0107	0108	0108	0108	0108	0114	0114	0114	0114	0114	0118	0118	0121	*TOTALS
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Lacrimal Gland																				2
Zymbal's Gland																				1
Adenoma																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Urethra																				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
F3 100PPM TO CTL

DAY ON TEST	755	755	755	754	754	754	755	755	755	755	755	756	755	755	755	755	756	754	756	
ANIMAL ID	1054	1055	1056	1066	1067	1068	1079	1080	1081	1083	1086	1143	1144	1145	1146	1147	1185	1186	1211	*TOTALS
Urinary Bladder	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	47
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Histiocytic Sarcoma														X						1
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

CD Rat Male
F3 500PPM TO CTL

DAY ON TEST	005	007	050	052	053	055	060	062	062	062	063	064	067	071	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0017	0019	0054	0089	0090	0209	0285	0323	0336	0347	0356	0374	0435	0933	0986	0987	0988	0989	1007	1008	1009	1010	1011	1012	1013	1057	1058	1059	1060	1061	1069
Alimentary System																															
Esophagus	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	A	+	A		+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	A	A	+		+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+												+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	A	A	A	A		+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	+	+	+	A	A	A		+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	A	A	A	A		+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																															
Liver	+	+	+	+	+	+	+		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pancreas				X																											
Hepatocellular Adenoma																															
Pancreas	+	+	+	+	A	+	+		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma				X																											
Salivary Glands	+	+	+	+	+	+	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pancreas				X																											
Stomach, Forestomach	+	+	+	+	+	A	+		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	A	A	+		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	A	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	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 500PPM TO CTL

DAY ON TEST	050	079	058	059	032	054	061	024	029	026	038	041	079	073	051	051	051	051	052	051	051	051	051	051	051	054	054	054	054	054	054
ANIMAL ID	0017	0019	0054	0089	0090	0209	0285	0323	0336	0347	0356	0374	0435	0933	0986	0987	0988	0989	1007	1008	1009	1010	1011	1012	1013	1057	1058	1059	1060	1061	1069
Endocrine System																															
Adrenal Cortex	+	+	+	+	A	+	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	A	+	A	M	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign														X																	
Islets, Pancreatic	+	+	+	+	+	+	+		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+		+	+	+	+	M	+	M	+	+	M	+	M	+	+	+	+	+	+	+	M	+	+	+
Pituitary Gland	+	+	A	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma					X								X	X	X			X							X	X					
Pars Distalis, Adenoma, Multiple																															
Thyroid Gland	+	+	+	+	A	A	A		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
C Cell, Carcinoma																			X												
General Body System																															
Tissue NOS														+	+																
Squamous Cell Carcinoma														X																	
Genital System																															
Coagulating Gland	+	+	+	+	A	+	A		A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	A	+		+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	M	M	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma							X																								
Prostate	+	+							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 500PPM TO CTL

DAY ON TEST	050	079	058	059	053	054	061	062	062	062	063	064	067	071	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0017	0019	0054	0189	0190	0209	0285	0323	0336	0347	0356	0374	0435	0933	0986	0987	0988	0989	1007	1008	1009	1010	1011	1012	1013	1057	1058	1059	1060	1061	1069
Prostate, Dorsal Lobe	+	+	+	+	+	+	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																															
Prostate, Ventral Lobe	+	+	+	+	+	A	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															X
Rete Testes	+	+	+	+	M	M	+		M	+	A	+	M	+	I	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+
Seminal Vesicle	+	+	+	+	A	A	+		A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	A	+		+	+	+	A	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pancreas				X																											
Lymph Node			+																			+	+			+			+		+
Lumbar, Squamous Cell Carcinoma, Metastatic, Preputial Gland																															
Lymph Node, Mandibular	+	+	+	M	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	M	+	+	+	+	+	+		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	A	+	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pancreas				X																											
Thymus	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	I	+	I	+	+	I	+		A	+	I	A	+	+	+	+	+	+	+	I	+	+	+	+	+	I	+	+	+	+	+
Fibroadenoma																														X	
Fibroma																															

* ..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 500PPM TO CTL

DAY ON TEST	050	079	058	529	532	554	601	624	629	626	638	641	679	713	751	751	751	751	752	751	751	751	751	751	751	754	754	754	754	754	754
ANIMAL ID	0017	0019	0154	0189	0190	0209	0285	0323	0336	0347	0356	0374	0435	0933	0986	0987	0988	0989	1007	1008	1009	1010	1011	1012	1013	1057	1058	1059	1060	1061	1069
Skin	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																														X	
Keratoacanthoma																								X							
Neurofibrosarcoma						X																									
Squamous Cell Papilloma																														X	
Musculoskeletal System																															
Bone										+																					
Chordoma										X																					
Bone, Femur	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle				+																											
Carcinoma, Metastatic, Pancreas				X																											
Nervous System																															
Brain, Brain Stem	+	+	A	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Reticulosis Malignant												X																			
Brain, Cerebellum	+	+	A	+	A	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Reticulosis Malignant												X																			
Brain, Cerebrum	+	+	A	+	A	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Reticulosis Malignant												X																			
Respiratory System																															
Lung	+	+	+	+	A	+	+		A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pancreas				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 500PPM TO CTL

DAY ON TEST	050	079	058	059	053	054	061	062	062	062	063	064	067	071	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0017	0019	0154	0189	0190	0209	0285	0323	0336	0347	0356	0374	0435	0933	0986	0987	0988	0989	1007	1008	1009	1010	1011	1012	1013	1057	1058	1059	1060	1061	1069
Nose	+	+	+	+	A	A	+		A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adventitia, Squamous Cell Carcinoma														X																	
Trachea	+	+	+	+	A	A	A		A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+												+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adventitia, Squamous Cell Carcinoma														X																	
Harderian Gland	+												+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																										X					
Adventitia, Squamous Cell Carcinoma														X																	
Lacrimal Gland											+																				
Urinary System																															
Kidney	+	+	+	+	A	+	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adventitia, Carcinoma, Metastatic, Pancreas				X																											
Transit Epithe, Papilloma																						X									
Urethra																						+									
Urinary Bladder	+	+	+	+	A	+	+		A	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic			X																												
Mesothelioma 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 500PPM TO CTL

DAY ON TEST	754	754	754	755	755	755	755	755	755	755	754	755	755	755	755	755	753	752	753	
ANIMAL ID	1082	1084	1085	1101	1102	1148	1149	1150	1151	1152	1153	1187	1188	1189	1190	1191	1192	1193	1210	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	38
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	41
Adenocarcinoma																			X	1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma, Metastatic, Pancreas																				1
Hepatocellular Adenoma							X													1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Carcinoma																				1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma, Metastatic, Pancreas																				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:50
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Male
F3 500PPM TO CTL

DAY ON TEST	754	754	754	755	755	755	755	755	755	755	754	755	755	755	755	755	753	752	753	
ANIMAL ID	0108 2	0108 4	0108 5	0110 1	0110 2	0114 8	0114 9	0115 0	0115 1	0115 2	0115 3	0118 7	0118 8	0118 9	0119 0	0119 1	0119 2	0119 3	0121 0	*TOTALS
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Pheochromocytoma Benign							X													2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	43
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pars Distalis, Adenoma		X		X		X			X		X	X	X							14
Pars Distalis, Adenoma, Multiple							X													1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
C Cell, Adenoma						X														1
C Cell, Carcinoma																				1
General Body System																				
Tissue NOS																				2
Squamous Cell Carcinoma																				1
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Squamous Cell Carcinoma				X					X											3
Prostate																				4

* ..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 500PPM TO CTL

DAY ON TEST	754	754	754	755	755	755	755	755	755	755	754	755	755	755	755	755	753	752	753	
ANIMAL ID	0108 2	0108 4	0108 5	0110 1	0110 2	0114 8	0114 9	0115 0	0115 1	0115 2	0115 3	0118 7	0118 8	0118 9	0119 0	0119 1	0119 2	0119 3	0121 0	*TOTALS
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adenocarcinoma														X						1
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma																				1
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Carcinoma, Metastatic, Pancreas																				1
Lymph Node			+	+	+	+									+			+		12
Lumbar, Squamous Cell Carcinoma, Metastatic, Preputial Gland				X																1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Carcinoma, Metastatic, Pancreas																				1
Thymus	+	+	+	+	M	+	+	M	+	+	+	+	I	+	+	+	+	+	I	44
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Fibroadenoma		X																		2
Fibroma					X					X										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
F3 500PPM TO CTL

DAY ON TEST	754	754	754	755	755	755	755	755	755	755	754	755	755	755	755	755	753	752	753	
ANIMAL ID	0108 2	0108 4	0108 5	0110 1	0110 2	0114 8	0114 9	0115 0	0115 1	0115 2	0115 3	0118 7	0118 8	0118 9	0119 0	0119 1	0119 2	0119 3	0121 0	*TOTALS
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Basal Cell Adenoma																				1
Keratoacanthoma																				1
Neurofibrosarcoma																				1
Squamous Cell Papilloma																				1
Musculoskeletal System																				
Bone																				1
Chordoma																				1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Skeletal Muscle																				1
Carcinoma, Metastatic, Pancreas																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Reticulosis Malignant																				1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Reticulosis Malignant																				1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Reticulosis Malignant																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Carcinoma, Metastatic, Pancreas																				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 500PPM TO CTL

DAY ON TEST	754	754	754	755	755	755	755	755	755	755	754	755	755	755	755	755	753	752	753	
ANIMAL ID	0108 2	0108 4	0108 5	0110 1	0110 2	0114 8	0114 9	0115 0	0115 1	0115 2	0115 3	0118 7	0118 8	0118 9	0119 0	0119 1	0119 2	0119 3	0121 0	*TOTALS
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adventitia, Squamous Cell Carcinoma																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Adventitia, Squamous Cell Carcinoma																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Adenoma																				1
Adventitia, Squamous Cell Carcinoma																				1
Lacrimal Gland																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adventitia, Carcinoma, Metastatic, Pancreas																				1
Transit Epithe, Papilloma																				1
Urethra																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Granulocytic																				1
Mesothelioma Malignant																				1

END OF MALE DATA

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:50
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 0 PPM

DAY ON TEST	224	331	367	425	436	514	514	583	607	625	622	628	626	626	626	646	648	656	654	669	698	698	698	710	715	717	723	731	737	737	737
ANIMAL ID	0040	0058	0066	0098	0101	0127	0128	0198	0224	0242	0243	0245	0246	0247	0248	0283	0287	0298	0300	0325	0378	0380	0383	0417	0420	0422	0429	0453	0481	0488	0490
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum																								+		+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangioma				X																											
Mesentery																															
Lipoma																															
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 0 PPM

DAY ON TEST	224	331	367	425	436	514	514	583	607	625	622	628	626	626	626	646	648	656	654	669	698	698	698	710	715	717	723	731	737	737	737
ANIMAL ID	0040	0058	0066	0098	0101	0127	0128	0198	0224	0242	0243	0245	0246	0247	0248	0283	0287	0298	0300	0325	0378	0380	0383	0417	0420	0422	0429	0453	0481	0488	0490
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																															
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																							X								
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Polyp Stromal								X																							X
Sarcoma Stromal																							X								
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign																														X	
Sarcoma Stromal																															

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:51
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 0 PPM

DAY ON TEST	224	331	367	425	436	514	514	583	607	625	622	628	626	626	626	646	648	656	654	669	698	698	698	710	715	717	723	731	737	737	737
ANIMAL ID	0040	0058	0066	0098	0101	0127	0128	0198	0224	0242	0243	0245	0246	0247	0248	0283	0287	0298	0300	0325	0378	0380	0383	0417	0420	0422	0429	0453	0481	0488	0490
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node					+																+			+	+		+	+			
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Thymoma Malignant																								X							
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma			X			X							X							X							X				
Adenocarcinoma, Multiple																										X					
Adenoma													X				X														
Fibroadenoma		X		X						X				X	X	X			X		X				X		X		X		
Fibroadenoma, Multiple							X					X	X									X						X			X
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma											X																				
Lipoma																												X			
Sarcoma	X																														
Squamous Cell Carcinoma																												X			
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 0 PPM

DAY ON TEST	224	331	367	425	436	514	514	583	607	625	622	628	626	626	626	646	648	656	654	669	698	698	698	710	715	717	723	731	737	737	737
ANIMAL ID	0040	0058	0066	0098	0101	0127	0128	0198	0224	0242	0243	0245	0246	0247	0248	0283	0287	0298	0300	0325	0378	0380	0383	0417	0420	0422	0429	0453	0481	0488	0490
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign																															
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye											+				+									+		+	+	+	+	+	+
Harderian Gland																								+		+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Transitional Epithelial Carcinoma																															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic					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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:51
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 0 PPM

DAY ON TEST	022	033	036	042	043	051	051	058	060	062	062	062	062	062	062	064	064	065	065	066	069	069	069	071	071	071	072	073	073	073	073	073
ANIMAL ID	0040	0058	0066	0098	0010	0127	0128	0198	0024	0042	0043	0045	0046	0047	0048	0083	0087	0098	0030	0032	0078	0080	0083	0041	0420	0422	0429	0453	0481	0488	0490
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 Female
F1 0 PPM

DAY ON TEST	073 8	073 9	073 8	073 8	074 0	074 0	074 0	074 3	074 3	074 3	074 4	074 4	074 6	074 6	074 5	074 8	074 8	074 8	074 8	074 8	075 2	075 2	074 8	
ANIMAL ID	005 27	005 50	005 52	005 59	006 11	006 12	006 13	006 46	006 47	006 90	007 10	007 23	007 46	007 56	007 59	008 19	008 20	008 36	008 68	008 70	009 10	009 11	009 17	*TOTALS
Alimentary System																								
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	30
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Cholangioma																								1
Mesentery																					+			1
Lipoma																					X			1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Cardiovascular System																								
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Endocrine System																								
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54

* ..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 0 PPM

DAY ON TEST	0738	0739	0738	0738	0740	0740	0740	0743	0743	0743	0744	0744	0746	0746	0745	0748	0748	0748	0748	0748	0752	0752	0748	
ANIMAL ID	0052 7	0055 0	0055 2	0055 9	0061 1	0061 2	0061 3	0064 6	0064 7	0069 0	0071 0	0072 3	0074 6	0075 6	0075 9	0081 9	0082 0	0083 6	0086 8	0087 0	0091 0	0091 1	0091 7	*TOTALS
Adenoma																								2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Adenoma												X												1
Parathyroid Gland	M	+	+	M	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	46
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Pars Distalis, Adenoma	X		X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	38
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
C Cell, Adenoma									X			X												2
General Body System																								
NONE																								
Genital System																								
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Squamous Cell Papilloma																								1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Polyp Stromal		X																				X		4
Sarcoma Stromal																								1
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Granular Cell Tumor Benign																								1
Sarcoma Stromal																					X			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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:52
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 0 PPM

DAY ON TEST	073 8	073 9	073 8	073 8	074 0	074 0	074 0	074 3	074 3	074 3	074 4	074 4	074 6	074 6	074 5	074 8	074 8	074 8	074 8	074 8	075 2	075 2	074 8	
ANIMAL ID	005 27	005 50	005 52	005 59	006 11	006 12	006 13	006 46	006 47	006 90	007 10	007 23	007 46	007 56	007 59	008 19	008 20	008 36	008 68	008 70	009 10	009 11	009 17	*TOTALS
Hematopoietic System																								
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Lymph Node								+	+			+	+									+		11
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Thymus	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	50
Thymoma Malignant																								1
Integumentary System																								
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Adenocarcinoma				X																		X		7
Adenocarcinoma, Multiple																								1
Adenoma																								2
Fibroadenoma	X	X	X				X	X			X			X							X			19
Fibroadenoma, Multiple						X			X			X	X					X		X		X		13
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Fibroma																								1
Lipoma																								1
Sarcoma			X																					2
Squamous Cell Carcinoma																								1
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 0 PPM

DAY ON TEST	073 8	073 9	073 8	073 8	074 0	074 0	074 0	074 3	074 3	074 3	074 4	074 4	074 6	074 6	074 5	074 8	074 8	074 8	074 8	074 8	075 2	075 2	074 8	
ANIMAL ID	005 27	005 50	005 52	005 59	006 11	006 12	006 13	006 46	006 47	006 90	007 10	007 23	007 46	007 56	007 59	008 19	008 20	008 36	008 68	008 70	009 10	009 11	009 17	*TOTALS
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Nervous System																								
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	53
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Granular Cell Tumor Benign											X													1
Respiratory System																								
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Special Senses System																								
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	32
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	30
Urinary System																								
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Transitional Epithelial Carcinoma				X																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
SYSTEMIC LESIONS																								
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	54
Leukemia Granulocytic																								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
F1 0 PPM

DAY ON TEST	0738	0739	0738	0738	0740	0740	0740	0743	0743	0743	0744	0744	0746	0746	0745	0748	0748	0748	0748	0748	0752	0752	0748	
ANIMAL ID	0052 7	0055 0	0055 2	0055 9	0061 1	0061 2	0061 3	0064 6	0064 7	0069 0	0071 0	0072 3	0074 6	0075 6	0075 9	0081 9	0082 0	0083 6	0086 8	0087 0	0091 0	0091 1	0091 7	*TOTALS
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:52
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 5PPM

DAY ON TEST	011	052	055	056	056	057	059	060	062	062	062	063	064	065	067	068	068	070	071	071	071	073	073	073	073	073	073	073	073	073	074
ANIMAL ID	0018	0034	0053	0063	0078	0094	0011	0020	0037	0044	0050	0068	0080	0006	0034	0054	0060	0095	0097	0406	0421	0444	0485	0486	0487	0499	0532	0533	0543	0547	0606
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum																		+	+		+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Adenoma																															
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Skin																															
Mesentery					+																		+								
Sarcoma					X																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:52
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 5PPM

DAY ON TEST	011	052	055	056	056	057	059	060	062	062	062	063	064	065	067	068	068	070	071	071	071	073	073	073	073	073	073	073	073	073	074
ANIMAL ID	0018	0034	0053	0063	0078	0094	0011	0020	0037	0044	0050	0068	0080	0006	0034	0054	0060	0095	0097	0406	0421	0444	0485	0486	0487	0499	0532	0533	0543	0547	0606
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma		X																													
Adrenal Medulla	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																									X						
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Carcinoma																															
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Polyp Stromal																															
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic 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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:53
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 5PPM

DAY ON TEST	011	052	055	056	056	057	059	060	062	062	062	063	064	065	067	068	068	070	071	071	071	073	073	073	073	073	073	073	073	073	074
ANIMAL ID	0018	0034	0053	0063	0078	0094	0021	0020	0037	0044	0050	0068	0080	0006	0034	0054	0060	0095	0097	0046	0021	0044	0085	0086	0087	0049	0052	0053	0054	0047	0060
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node			+																+	+			+	+							+
Pancreatic, Fibrous Histiocytoma, Metastatic, Skin																															
Renal, Fibrous Histiocytoma, Metastatic, Skin																															
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	M	M	M	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma													X																		
Adenocarcinoma, Multiple								X									X														
Adenoma																															
Fibroadenoma		X					X		X	X	X	X	X	X			X		X				X	X		X					
Fibroadenoma, Multiple					X													X		X											
Fibroma																												X			
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma																															
Keratoacanthoma								X																							
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:53
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 5PPM

DAY ON TEST	011	052	055	056	056	057	059	060	062	062	062	063	064	065	067	068	068	070	071	071	071	073	073	073	073	073	073	073	073	073	074
ANIMAL ID	0018	0034	0053	0063	0078	0094	0011	0020	0037	0044	0050	0068	0080	0006	0034	0054	0060	0095	0097	0106	0121	0144	0185	0186	0187	0199	0532	0533	0543	0547	0606
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle			+																												
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																															X
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																									X						
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye																		+	+		+	+	+	+	+	+	+	+	+	+	+
Harderian Gland														+			+	+	+		+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland																							+								
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:53
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 5PPM

DAY ON TEST	011	052	055	056	056	057	059	060	062	062	062	063	064	065	067	068	068	068	070	071	071	071	073	073	073	073	073	073	073	073	073	074
ANIMAL ID	0018	0034	0053	0063	0078	0094	0211	0220	0237	0244	0250	0268	0280	0306	0334	0354	0360	0385	0395	0397	0406	0421	0444	0485	0486	0487	0499	0532	0533	0543	0547	0606
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma			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 5PPM

DAY ON TEST	073 9	073 9	073 9	073 9	074 4	074 3	074 2	074 3	074 3	074 4	074 4	074 4	074 4	074 4	074 5	074 5	074 5	075 2	075 2	075 2	
ANIMAL ID	0060 7	0060 8	0060 9	0061 0	0064 0	0064 2	0065 2	0066 3	0066 4	0070 1	0070 2	0072 1	0072 2	0074 4	0075 7	0075 8	0090 7	0090 8	0090 9		*TOTALS
Alimentary System																					
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		32
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49
Adenoma																		X			1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Fibrous Histiocytoma, Metastatic, Skin															X						1
Mesentery																					2
Sarcoma																					1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Cardiovascular System																					
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
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

CD Rat Female
F1 5PPM

DAY ON TEST	0739	0739	0739	0739	0744	0743	0742	0743	0743	0744	0744	0744	0744	0745	0745	0745	0752	0752	0752	
ANIMAL ID	0060 7	0060 8	0060 9	0061 0	0064 0	0064 2	0065 2	0066 3	0066 4	0070 1	0070 2	0072 1	0072 2	0074 4	0075 7	0075 8	0090 7	0090 8	0090 9	*TOTALS
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				1
Adrenal Medulla	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	48
Pheochromocytoma Benign																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																X				1
Carcinoma															X					1
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	X	40
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Polyp Stromal	X																			1
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic 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 5PPM

DAY ON TEST	0739	0739	0739	0739	0744	0743	0742	0743	0743	0744	0744	0744	0744	0745	0745	0745	0752	0752	0752	
ANIMAL ID	0060 7	0060 8	0060 9	0061 0	0064 0	0064 2	0065 2	0066 3	0066 4	0070 1	0070 2	0072 1	0072 2	0074 4	0075 7	0075 8	0090 7	0090 8	0090 9	*TOTALS
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node				+						+					+	M			+	10
Pancreatic, Fibrous Histiocytoma, Metastatic, Skin															X					1
Renal, Fibrous Histiocytoma, Metastatic, Skin															X					1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma																				1
Adenocarcinoma, Multiple																				2
Adenoma									X											1
Fibroadenoma					X	X		X							X					17
Fibroadenoma, Multiple	X		X							X	X			X		X			X	10
Fibroma																				1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrous Histiocytoma															X					1
Keratoacanthoma																				1
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 5PPM

DAY ON TEST	0739	0739	0739	0739	0744	0743	0742	0743	0743	0744	0744	0744	0744	0745	0745	0745	0752	0752	0752	
ANIMAL ID	0060 7	0060 8	0060 9	0061 0	0064 0	0064 2	0065 2	0066 3	0066 4	0070 1	0070 2	0072 1	0072 2	0074 4	0075 7	0075 8	0090 7	0090 8	0090 9	*TOTALS
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Astrocytoma Malignant																				1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	32
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	34
Lacrimal Gland																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
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

CD Rat Female
F1 5PPM

DAY ON TEST	0739	0739	0739	0739	0744	0743	0742	0743	0743	0744	0744	0744	0744	0745	0745	0745	0752	0752	0752	
ANIMAL ID	0060 7	0060 8	0060 9	0061 0	0064 0	0064 2	0065 2	0066 3	0066 4	0070 1	0070 2	0072 1	0072 2	0074 4	0075 7	0075 8	0090 7	0090 8	0090 9	*TOTALS
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																				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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:54
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 100PPM

DAY ON TEST	026	040	046	048	052	053	054	056	060	060	062	063	063	063	065	065	065	065	066	066	069	071	072	073	073	073	073	073	073	073	073
ANIMAL ID	0051	0091	0118	0124	0130	0136	0149	0175	0218	0221	0241	0273	0278	0281	0294	0303	0304	0305	0311	0332	0370	0418	0424	0445	0451	0489	0528	0531	0539	0544	0545
Alimentary System																															
Esophagus	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum									+													+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesentery														+																	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma											X												X								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 100PPM

DAY ON TEST	026	040	046	048	052	053	054	056	060	060	062	063	063	063	065	065	065	065	065	066	069	071	072	073	073	073	073	073	073	073	073
ANIMAL ID	0051	0091	0118	0124	0130	0136	0149	0175	0218	0221	0241	0273	0278	0281	0294	0303	0304	0305	0311	0332	0370	0418	0424	0445	0451	0489	0528	0531	0539	0544	0545
Pheochromocytoma Complex												X																			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma										X								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	X
Pars Distalis, Carcinoma																						X									
Thyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																									X						
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																								X							
Squamous Cell Papilloma																						X									
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa Cell Tumor Malignant																					X										
Sarcoma Stromal																															
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																X															
Polyp Stromal														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 100PPM

DAY ON TEST	026 8	040 1	046 5	048 6	052 0	053 4	054 5	056 5	060 3	060 4	062 6	063 5	063 8	063 8	065 3	065 8	065 7	065 7	065 4	066 8	069 1	071 1	072 1	073 1	073 1	073 7	073 8	073 8	073 6	073 9	073 9
ANIMAL ID	0005 1	0009 1	0011 8	0012 4	0013 0	0013 6	0014 9	0017 5	0021 8	0022 1	0024 1	0027 3	0027 8	0028 1	0029 4	0030 3	0030 4	0030 5	0031 1	0033 2	0037 0	0041 8	0042 4	0044 5	0045 1	0048 9	0052 8	0053 1	0053 9	0054 4	0054 5
Sarcoma Stromal																							X								
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma Stromal																															X
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node														+								+	+				+	+			+
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	M	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma					X			X		X																					X
Adenocarcinoma, Multiple																															
Fibroadenoma			X				X		X					X	X	X	X	X				X			X	X	X	X			
Fibroadenoma, Multiple												X	X										X						X	X	X
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lipoma				X																											
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																															

* ..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 100PPM																														
DAY ON TEST	026	040	046	048	052	053	054	056	060	060	062	063	063	063	065	065	065	065	065	066	069	071	072	073	073	073	073	073	073	073
ANIMAL ID	0051	0091	0118	0124	0130	0136	0149	0175	0218	0221	0241	0273	0278	0281	0294	0303	0304	0305	0311	0332	0370	0418	0424	0445	0451	0489	0528	0531	0539	0544	0545
Hemangiosarcoma																														
Sarcoma																														
Nervous System																														
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Malignant											X																			
Meningioma Malignant																														
Respiratory System																														
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																														
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																		X												
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																														
Eye									+				+									+	+	+	+	+	+	+	+	+
Harderian Gland									+													+	+	+	+	+	+	+	+	+
Lacrimal Gland																												+		
Urinary System																														
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:55
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 100PPM

DAY ON TEST	026	040	046	048	052	053	054	056	060	060	062	063	063	063	065	065	065	065	065	066	069	071	072	073	073	073	073	073	073	073	073	073
ANIMAL ID	0051	0091	0118	0124	0130	0136	0149	0175	0218	0221	0241	0273	0278	0281	0294	0303	0304	0305	0311	0332	0370	0418	0424	0445	0451	0489	0528	0531	0539	0544	0545
Urinary Bladder	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 100PPM

DAY ON TEST	073 8	073 7	074 3	074 5	074 4	074 3	074 4	074 4	074 9	074 9	074 9	074 8	074 7	074 9	074 9	075 0	074 9	075 0	074 7	
ANIMAL ID	005 81	005 82	006 43	006 62	006 65	006 66	007 03	007 20	007 82	008 06	008 09	008 12	008 21	008 30	008 31	008 62	008 67	009 13	009 14	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	30
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesentery																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 100PPM

DAY ON TEST	073 8	073 7	074 3	074 5	074 4	074 3	074 4	074 4	074 9	074 9	074 9	074 8	074 7	074 9	074 9	075 0	074 9	075 0	074 7	
ANIMAL ID	005 81	005 82	006 43	006 62	006 65	006 66	007 03	007 20	007 82	008 06	008 09	008 12	008 21	008 30	008 31	008 62	008 67	009 13	009 14	*TOTALS
Pheochromocytoma Complex																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				2
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	46
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X	X	X	X		X	X	X				X		X	X	X	X		33
Pars Distalis, Carcinoma																				1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
C Cell, Adenoma			X																	2
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma																				1
Squamous Cell Papilloma																				1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granulosa Cell Tumor Malignant					X															2
Sarcoma Stromal					X															1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma																				1
Polyp Stromal																				3

* ..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 100PPM

DAY ON TEST	073 8	073 7	074 3	074 5	074 4	074 3	074 4	074 4	074 9	074 9	074 9	074 8	074 7	074 9	074 9	075 0	074 9	075 0	074 7	
ANIMAL ID	005 81	005 82	006 43	006 62	006 65	006 66	007 03	007 20	007 82	008 06	008 09	008 12	008 21	008 30	008 31	008 62	008 67	009 13	009 14	*TOTALS
Sarcoma Stromal																				1
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Sarcoma Stromal																				1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node							+			+	+	+			+				+	12
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	M	M	+	43
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma		X	X																	6
Adenocarcinoma, Multiple									X						X					2
Fibroadenoma	X	X		X		X				X					X	X				20
Fibroadenoma, Multiple							X											X		8
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lipoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle											+									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
F1 100PPM

DAY ON TEST	073 8	073 7	074 3	074 5	074 4	074 3	074 4	074 4	074 9	074 9	074 9	074 8	074 7	074 9	074 9	075 0	074 9	075 0	074 7	
ANIMAL ID	005 81	005 82	006 43	006 62	006 65	006 66	007 03	007 20	007 82	008 06	008 09	008 12	008 21	008 30	008 31	008 62	008 67	009 13	009 14	*TOTALS
Hemangiosarcoma											X									1
Sarcoma											X									1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granular Cell Tumor Malignant																				1
Meningioma Malignant	X																			1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma															X					1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	31
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	30
Lacrimal Gland																				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 100PPM

DAY ON TEST	0738	0737	0743	0745	0744	0743	0744	0744	0749	0749	0749	0748	0747	0749	0749	0750	0749	0750	0747	
ANIMAL ID	0058 1	0058 2	0064 3	0066 2	0066 5	0066 6	0070 3	0072 0	0078 2	0080 6	0080 9	0081 2	0082 1	0083 0	0083 1	0086 2	0086 7	0091 3	0091 4	*TOTALS
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:55
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 500PPM

DAY ON TEST	030	034	035	040	051	055	056	056	059	060	061	061	062	063	063	064	066	066	066	067	067	067	068	068	068	069	072	073	073	073	073	073
ANIMAL ID	0057	0060	0062	0093	0125	0152	0174	0187	0210	0219	0233	0236	0238	0261	0270	0284	0315	0316	0324	0337	0350	0352	0364	0365	0376	0439	0482	0483	0484	0501	0529
Alimentary System																																
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum				+																							+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesentery					+									+																		
Pancreas	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																																
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																			X													
Adrenal Medulla	+	+	+	+	+	+	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 500PPM

DAY ON TEST	0330	0345	0359	0408	0512	0550	0565	0568	0598	0605	0618	0618	0626	0630	0632	0644	0660	0660	0668	0675	0679	0678	0688	0688	0694	0726	0737	0737	0737	0736	0738
ANIMAL ID	0057	0060	0062	0093	0125	0152	0174	0187	0210	0219	0233	0236	0238	0261	0270	0284	0315	0316	0324	0337	0350	0352	0364	0365	0376	0439	0482	0483	0484	0501	0529
Islets, Pancreatic	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma								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	X	X	X	X	X	X	X	X	X	X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																											X				
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa Cell Tumor Benign																		X													
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Polyp Stromal																											X				
Vagina	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																								+					+		

* ..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 500PPM

DAY ON TEST	0330	0345	0359	0408	0512	0550	0565	0568	0598	0605	0618	0618	0626	0630	0632	0644	0660	0660	0668	0675	0679	0678	0688	0688	0694	0726	0737	0737	0737	0736	0738
ANIMAL ID	0057	0060	0062	0093	0125	0152	0174	0187	0210	0219	0233	0236	0238	0261	0270	0284	0315	0316	0324	0337	0350	0352	0364	0365	0376	0439	0482	0483	0484	0501	0529
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma						X					X	X	X		X						X			X							
Adenocarcinoma, Multiple																							X								
Adenoma												X	X							X											
Fibroadenoma						X	X	X								X															
Fibroadenoma, Multiple																													X		X
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign																													X		
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign													X																		
Granular Cell Tumor Nos																						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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:56
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 500PPM

DAY ON TEST	0330	0345	0359	0408	0512	0550	0565	0568	0598	0605	0618	0618	0626	0630	0632	0644	0660	0660	0668	0675	0679	0678	0688	0688	0694	0726	0737	0737	0737	0736	0738
ANIMAL ID	0057	0060	0062	0093	0125	0152	0174	0187	0210	0219	0233	0236	0238	0261	0270	0284	0315	0316	0324	0337	0350	0352	0364	0365	0376	0439	0482	0483	0484	0501	0529
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma, Metastatic, Nose																													X		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																										X			X		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye		+		+																						+	+	+	+	+	+
Harderian Gland				+																						+	+	+	+	+	+
Squamous Cell Carcinoma, Metastatic, Nose																													X		
Lacrimal Gland																										+					
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephroblastoma	X																														
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear				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 500PPM

DAY ON TEST	073 8	073 7	073 8	073 8	073 8	074 3	074 3	074 4	074 5	074 9	074 8	074 8	074 9	074 9	074 9	075 0	075 0	075 1	
ANIMAL ID	005 30	005 42	005 46	005 48	005 49	006 41	006 67	006 89	007 45	008 05	008 10	008 11	008 29	008 32	008 33	008 41	008 66	009 12	*TOTALS
Alimentary System																			
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	24
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Mesentery																			2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Cardiovascular System																			
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Endocrine System																			
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																			1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 Female
F1 500PPM

DAY ON TEST	073 8	073 7	073 8	073 8	073 8	074 3	074 3	074 4	074 5	074 9	074 8	074 8	074 9	074 9	074 9	075 0	075 0	075 1	
ANIMAL ID	00530	00542	00546	00548	00549	00641	00667	00689	00745	00805	00810	00811	00829	00832	00833	00841	00866	00912	*TOTALS
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma																			1
Parathyroid Gland	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	46
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
C Cell, Adenoma			X			X													3
General Body System																			
NONE																			
Genital System																			
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Granulosa Cell Tumor Benign																			1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma							X												1
Polyp Stromal																			1
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hematopoietic System																			
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node						+		+								+			5

* ..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 500PPM

DAY ON TEST	073 8	073 7	073 8	073 8	073 8	074 3	074 3	074 4	074 5	074 9	074 8	074 8	074 9	074 9	074 9	075 0	075 0	075 1	
ANIMAL ID	00530	00542	00546	00548	00549	00641	00667	00689	00745	00805	00810	00811	00829	00832	00833	00841	00866	00912	*TOTALS
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Thymus	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	M	+	44
Integumentary System																			
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenocarcinoma				X			X		X										10
Adenocarcinoma, Multiple					X						X								3
Adenoma													X		X				5
Fibroadenoma		X						X		X		X							8
Fibroadenoma, Multiple									X				X						4
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Musculoskeletal System																			
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Nervous System																			
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Granular Cell Tumor Benign																			1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Granular Cell Tumor Benign																			1
Granular Cell Tumor Nos																			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
F1 500PPM

DAY ON TEST	0738	0737	0738	0738	0738	0743	0743	0744	0745	0749	0748	0748	0749	0749	0749	0750	0750	0751	
ANIMAL ID	0053 0	0054 2	0054 6	0054 8	0054 9	0064 1	0066 7	0068 9	0074 5	0080 5	0081 0	0081 1	0082 9	0083 2	0083 3	0084 1	0086 6	0091 2	*TOTALS
Respiratory System																			
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma, Metastatic, Nose																			1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma																			2
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Special Senses System																			
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
Squamous Cell Carcinoma, Metastatic, Nose																			1
Lacrimal Gland																			1
Urinary System																			
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Nephroblastoma																			1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
SYSTEMIC LESIONS																			
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:57
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 5PPM/CTL

DAY ON TEST	0325	0439	0451	0543	0581	0620	0625	0627	0634	0658	0667	0669	0673	0673	0688	0692	0709	0724	0737	0737	0737	0738	0737	0738	0738	0740	0740	0739	0739	0739	0743
ANIMAL ID	0056	0102	0114	0148	0195	0235	0253	0255	0267	0309	0321	0331	0339	0344	0362	0372	0404	0433	0496	0497	0498	0536	0540	0555	0556	0614	0615	0617	0618	0623	0650
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum																		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesentery													+																		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue				+																											
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Nos																															
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 5PPM/CTL

DAY ON TEST	0325	0439	0451	0543	0581	0620	0625	0627	0634	0658	0667	0669	0673	0673	0688	0692	0709	0724	0737	0737	0737	0738	0737	0738	0738	0740	0740	0739	0739	0739	0743
ANIMAL ID	0056	0102	0114	0148	0195	0235	0253	0255	0267	0309	0321	0331	0339	0344	0362	0372	0404	0433	0496	0497	0498	0536	0540	0555	0556	0614	0615	0617	0618	0623	0650
Carcinoma																	X														
Adrenal Medulla	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																					X										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																											X				
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
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																															
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																															
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa Cell Tumor Benign															X																
Granulosa Cell Tumor Malignant																										X					
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Polyp Stromal																						X									
Sarcoma Stromal																				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 5PPM/CTL

DAY ON TEST	0325	0439	0451	0543	0581	0620	0625	0627	0634	0658	0667	0669	0673	0673	0688	0692	0709	0724	0737	0737	0737	0738	0737	0738	0738	0740	0740	0739	0739	0739	0743
ANIMAL ID	00056	00102	00114	00148	00195	00235	00253	00255	00267	00309	00321	00331	00339	00344	00362	00372	00404	00433	00496	00497	00498	00536	00540	00555	00556	00614	00615	00617	00618	00623	00650
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node				+							+															+			M		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma					X				X					X																	
Fibroadenoma				X			X	X	X		X					X							X	X	X	X	X			X	X
Fibroadenoma, Multiple						X				X							X		X										X		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma																													X		
Keratoacanthoma																															
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bone, Mandible																															
Squamous Cell Carcinoma																															
Skeletal Muscle																										+					

* ..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 5PPM/CTL

DAY ON TEST	0325	0439	0451	0543	0581	0620	0625	0627	0634	0658	0667	0669	0673	0673	0688	0692	0709	0724	0737	0737	0737	0738	0737	0738	0738	0740	0740	0739	0739	0739	0743
ANIMAL ID	0056	0102	0114	0148	0195	0235	0253	0255	0267	0309	0321	0331	0339	0344	0362	0372	0404	0433	0496	0497	0498	0536	0540	0555	0556	0614	0615	0617	0618	0623	0650
Granulosa Cell Tumor Malignant, Metastatic, Ovary																										X					
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Ear																															+
Squamous Cell Papilloma																															X
Eye																		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland																		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland														+																	
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:58
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 5PPM/CTL

DAY ON TEST	0325	0439	0451	0543	0581	0620	0625	0627	0634	0658	0667	0669	0673	0673	0688	0692	0709	0724	0737	0737	0737	0738	0737	0738	0738	0740	0740	0739	0739	0739	0743
ANIMAL ID	0056	0010	0011	0014	0019	0023	0025	0025	0026	0030	0032	0033	0039	0034	0036	0037	0040	0043	0046	0049	0049	0053	0054	0055	0056	0061	0061	0061	0061	0062	0065
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma		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 5PPM/CTL

DAY ON TEST	0742	0742	0742	0743	0743	0743	0744	0744	0745	0745	0745	0745	0749	0749	0749	0750	0752	0752	0752	
ANIMAL ID	0065 1	0065 3	0065 4	0067 1	0067 2	0069 1	0070 8	0070 9	0075 3	0075 4	0075 5	0076 1	0081 5	0081 6	0083 7	0087 2	0087 3	0087 4	0091 5	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	33
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesentery						+														2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Tongue																				1
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Schwannoma Nos											X									1
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 5PPM/CTL

DAY ON TEST	0742	0742	0742	0743	0743	0743	0744	0744	0745	0745	0745	0745	0749	0749	0749	0750	0752	0752	0752	
ANIMAL ID	0065 1	0065 3	0065 4	0067 1	0067 2	0069 1	0070 8	0070 9	0075 3	0075 4	0075 5	0076 1	0081 5	0081 6	0083 7	0087 2	0087 3	0087 4	0091 5	*TOTALS
Carcinoma																				1
Adrenal Medulla	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	48
Pheochromocytoma Benign																		X		2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																	X			2
Parathyroid Gland	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma	X	X		X				X	X	X	X	X	X			X	X		X	32
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma															X					1
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Papilloma																X				1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granulosa Cell Tumor Benign																				1
Granulosa Cell Tumor Malignant																				1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Polyp Stromal																				1
Sarcoma Stromal																				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
F1 5PPM/CTL

DAY ON TEST	742	742	742	743	743	743	744	744	745	745	745	745	749	749	749	750	752	752	752	
ANIMAL ID	0065 1	0065 3	0065 4	0067 1	0067 2	0069 1	0070 8	0070 9	0075 3	0075 4	0075 5	0076 1	0081 5	0081 6	0083 7	0087 2	0087 3	0087 4	0091 5	*TOTALS
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	49
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node				+		+	+						+	+		+				9
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma																				3
Fibroadenoma	X	X	X	X		X			X	X		X								21
Fibroadenoma, Multiple					X											X	X	X		9
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma																				1
Keratoacanthoma					X															1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bone, Mandible	+																			1
Squamous Cell Carcinoma	X																			1
Skeletal Muscle																				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
F1 5PPM/CTL

DAY ON TEST	742	742	742	743	743	743	744	744	745	745	745	745	749	749	749	750	752	752	752	
ANIMAL ID	0065 1	0065 3	0065 4	0067 1	0067 2	0069 1	0070 8	0070 9	0075 3	0075 4	0075 5	0076 1	0081 5	0081 6	0083 7	0087 2	0087 3	0087 4	0091 5	*TOTALS
Granulosa Cell Tumor Malignant, Metastatic, Ovary																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma								X												1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Ear											+									2
Squamous Cell Papilloma																				1
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	33
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	33
Lacrimal Gland																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	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 5PPM/CTL

DAY ON TEST	0742	0742	0742	0743	0743	0743	0744	0744	0745	0745	0745	0745	0749	0749	0749	0750	0752	0752	0752		
ANIMAL ID	0065 1	0065 3	0065 4	0067 1	0067 2	0069 1	0070 8	0070 9	0075 3	0075 4	0075 5	0076 1	0081 5	0081 6	0083 7	0087 2	0087 3	0087 4	0091 5		*TOTALS
SYSTEMIC LESIONS																					
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Histiocytic Sarcoma																					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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:59
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 100PPM/CTL

DAY ON TEST	0410	0423	0538	0577	0619	0632	0654	0658	0670	0670	0683	0683	0698	0703	0709	0720	0732	0737	0737	0733	0738	0738	0739	0737	0737	0740	0743	0743	0744	0745	0745
ANIMAL ID	0094	0097	0137	0192	0234	0274	0299	0307	0327	0330	0353	0357	0382	0389	0405	0425	0450	0491	0492	0500	0534	0535	0551	0557	0558	0616	0644	0645	0670	0704	0705
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large																		+													
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum													+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small																		+													
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma					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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:59
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 100PPM/CTL

DAY ON TEST	0410	0423	0538	0577	0619	0632	0654	0658	0670	0670	0683	0683	0698	0703	0709	0720	0732	0737	0737	0733	0738	0738	0739	0737	0737	0740	0743	0743	0744	0745	0745
ANIMAL ID	0094	0097	0137	0192	0234	0274	0299	0307	0327	0330	0353	0357	0382	0389	0405	0425	0450	0491	0492	0500	0534	0535	0551	0557	0558	0616	0644	0645	0670	0704	0705
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Carcinoma																															
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	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	X	X	X	X	X	X	X	X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																											X				
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma Stromal																															
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Polyp Stromal																															
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign																															

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:59
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 100PPM/CTL

DAY ON TEST	0410	0423	0538	0577	0619	0632	0654	0658	0670	0670	0683	0683	0698	0703	0709	0720	0732	0737	0737	0733	0738	0738	0739	0737	0737	0740	0743	0743	0744	0745	0745
ANIMAL ID	0094	0097	0137	0192	0234	0274	0299	0307	0327	0330	0353	0357	0382	0389	0405	0425	0450	0491	0492	0500	0534	0535	0551	0557	0558	0616	0644	0645	0670	0704	0705
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node									+																	+					
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma											X		X																		
Adenoma																											X				
Fibroadenoma		X		X	X					X							X		X	X									X		X
Fibroadenoma, Multiple			X			X	X	X				X			X	X							X	X			X				
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma	X																														
Lipoma								X																							
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																										+					
Lipoma																										X					
Nervous 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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:27:59
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 100PPM/CTL

DAY ON TEST	0410	0423	0538	0577	0619	0632	0654	0658	0670	0670	0683	0683	0698	0703	0709	0720	0732	0737	0737	0733	0738	0738	0739	0737	0737	0740	0743	0743	0744	0745	0745
ANIMAL ID	0094	0097	0137	0192	0234	0274	0299	0307	0327	0330	0353	0357	0382	0389	0405	0425	0450	0491	0492	0500	0534	0535	0551	0557	0558	0616	0644	0645	0670	0704	0705
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																															
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye			+										+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland													+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Renal Tubule, Adenoma																						X									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 100PPM/CTL

DAY ON TEST	745	745	745	745	745	745	749	748	748	749	749	749	749	749	750	749	753	750	747	
ANIMAL ID	0074 7	0074 8	0074 9	0075 1	0075 2	0076 0	0080 7	0081 3	0081 4	0082 6	0083 4	0083 5	0083 8	0083 9	0086 3	0087 1	0087 5	0091 8	0091 9	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large																				1
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	36
Intestine Small																				1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				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 Female
F1 100PPM/CTL

DAY ON TEST	745	745	745	745	745	745	749	748	748	749	749	749	749	749	750	749	753	750	747	
ANIMAL ID	0074 7	0074 8	0074 9	0075 1	0075 2	0076 0	0080 7	0081 3	0081 4	0082 6	0083 4	0083 5	0083 8	0083 9	0086 3	0087 1	0087 5	0091 8	0091 9	*TOTALS
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma		X																		1
Carcinoma				X																1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	42
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X			X	X	X			X	X	X	X	X	X	X	X		X		40
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma																	X			1
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Papilloma																				1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Sarcoma Stromal					X															1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Polyp Stromal									X				X							2
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	48
Granular Cell Tumor Benign			X																	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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:00
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 100PPM/CTL

DAY ON TEST	745	745	745	745	745	745	749	748	748	749	749	749	749	749	750	749	753	750	747	
ANIMAL ID	0074 7	0074 8	0074 9	0075 1	0075 2	0076 0	0080 7	0081 3	0081 4	0082 6	0083 4	0083 5	0083 8	0083 9	0086 3	0087 1	0087 5	0091 8	0091 9	*TOTALS
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node	+	+	+	+			+	+			+					+				10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma												X								3
Adenoma					X															2
Fibroadenoma				X			X							X			X	X		14
Fibroadenoma, Multiple	X	X						X	X			X				X			X	17
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma																				1
Lipoma																				1
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																				1
Lipoma																				1
Nervous 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 100PPM/CTL

DAY ON TEST	745	745	745	745	745	745	749	748	748	749	749	749	749	749	750	749	753	750	747	
ANIMAL ID	0074 7	0074 8	0074 9	0075 1	0075 2	0076 0	0080 7	0081 3	0081 4	0082 6	0083 4	0083 5	0083 8	0083 9	0086 3	0087 1	0087 5	0091 8	0091 9	*TOTALS
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Astrocytoma Malignant	X																			1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	36
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Renal Tubule, Adenoma																				1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	48
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:00
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 500PPM/CTL

DAY ON TEST	037	041	050	051	052	054	058	059	060	060	061	064	064	064	065	065	066	067	067	067	067	068	069	069	070	070	072	073	073	073	073
ANIMAL ID	0006	0009	0012	0012	0013	0014	0020	0020	0021	0021	0022	0028	0028	0029	0029	0030	0031	0033	0033	0033	0034	0036	0037	0037	0039	0039	0042	0049	0049	0049	0053
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyosarcoma																															
Intestine Large, Rectum									+	+																	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																											X				
Mesentery																							+								
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 500PPM/CTL

DAY ON TEST	037	041	050	051	052	054	058	059	060	060	061	064	064	064	065	065	066	066	066	067	067	068	069	069	070	070	072	073	073	073	073
ANIMAL ID	0006	0009	0012	0012	0013	0014	0020	0020	0021	0021	0022	0028	0028	0029	0029	0030	0031	0033	0033	0033	0033	0036	0037	0037	0039	0039	0042	0049	0049	0049	0053
Adenoma																			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	X	X	X	X	X		X	X	X
Pars Distalis, Carcinoma													X																		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																								X							
C Cell, Carcinoma																															
Follicular Cel, Adenoma																															
General Body System																															
Tissue NOS																							+								
Liposarcoma																							X								
Genital System																															
Clitoral Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyosarcoma																															
Polyp Stromal													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 500PPM/CTL

DAY ON TEST	037	041	050	051	052	054	058	059	060	060	061	064	064	064	065	065	066	066	066	067	067	068	069	069	070	070	072	073	073	073	073
ANIMAL ID	0006	0009	0012	0012	0013	0014	0020	0020	0021	0021	0022	0028	0028	0029	0029	0030	0031	0031	0033	0033	0034	0036	0037	0037	0039	0039	0042	0049	0049	0049	0053
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma Stromal			X																												
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node															+		+	+											+		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma								X				X							X			X					X				
Adenocarcinoma, Multiple													X											X							
Adenoma																															
Fibroadenoma	X		X				X	X		X	X		X							X				X			X			X	X
Fibroadenoma, Multiple																X					X							X			
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma										X																					
Osteosarcoma																															
Sarcoma																															
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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:01
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F1 500PPM/CTL

DAY ON TEST	037 6	041 8	050 7	051 7	052 0	054 0	058 7	059 5	060 0	060 2	061 4	064 8	064 8	064 3	065 0	065 7	066 1	067 1	066 9	067 3	067 6	068 8	069 6	069 5	070 4	070 5	072 3	073 7	073 7	073 7	073 8
ANIMAL ID	0006 8	0009 6	0012 2	0012 9	0013 1	0014 5	0020 0	0020 8	0021 3	0021 5	0022 9	0028 8	0028 9	0029 1	0029 7	0030 8	0031 7	0033 3	0033 5	0033 8	0034 5	0036 9	0037 7	0037 9	0039 2	0039 4	0042 7	0049 3	0049 4	0049 5	0053 7
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bone, Tibia					+																										
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																				X											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye		+							+	+										+							+	+	+	+	+
Harderian Gland									+	+																	+	+	+	+	+
Lacrimal Gland								+																							
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 500PPM/CTL

DAY ON TEST	0738	0738	0738	0739	0744	0743	0743	0744	0744	0744	0744	0745	0748	0748	0748	0749	0750	0750	0750	
ANIMAL ID	0053 8	0055 3	0055 4	0061 9	0064 8	0064 9	0065 5	0066 8	0066 9	0070 6	0070 7	0075 0	0080 8	0081 7	0081 8	0084 0	0086 9	0087 6	0091 6	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyosarcoma																	X			1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma																				1
Mesentery							+													2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 500PPM/CTL

DAY ON TEST	0738	0738	0738	0739	0744	0743	0743	0744	0744	0744	0744	0745	0748	0748	0748	0749	0750	0750	0750	
ANIMAL ID	0053 8	0055 3	0055 4	0061 9	0064 8	0064 9	0065 5	0066 8	0066 9	0070 6	0070 7	0075 0	0080 8	0081 7	0081 8	0084 0	0086 9	0087 6	0091 6	*TOTALS
Adenoma		X																		2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	48
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma					X															1
Parathyroid Gland	M	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	43
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	43
Pars Distalis, Carcinoma																				1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma																				1
C Cell, Carcinoma								X												1
Follicular Cel, Adenoma									X											1
General Body System																				
Tissue NOS																				1
Liposarcoma																				1
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Ovary	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	49
Oviduct	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	47
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyosarcoma																			X	1
Polyp Stromal									X											3

* ..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 500PPM/CTL

DAY ON TEST	0738	0738	0738	0739	0744	0743	0743	0744	0744	0744	0744	0745	0748	0748	0748	0749	0750	0750	0750	
ANIMAL ID	00538	00553	00554	00619	00648	00649	00655	00668	00669	00706	00707	00750	00808	00817	00818	00840	00869	00876	00916	*TOTALS
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Sarcoma Stromal																				1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node	+		+														+	+	+	9
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	47
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma				X													X			7
Adenocarcinoma, Multiple																				2
Adenoma			X																	1
Fibroadenoma	X		X			X	X				X		X							18
Fibroadenoma, Multiple										X				X		X		X		7
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma																				1
Osteosarcoma																	X			1
Sarcoma							X													1
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 500PPM/CTL

DAY ON TEST	0738	0738	0738	0739	0744	0743	0743	0744	0744	0744	0744	0745	0748	0748	0748	0749	0750	0750	0750	
ANIMAL ID	005538	005553	005554	006019	006048	006049	006055	006068	006069	007006	007007	007050	008008	008017	008018	008040	008069	008076	009016	*TOTALS
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bone, Tibia																				1
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	28
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26
Lacrimal Gland	+																			2
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
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 0 PPM

DAY ON TEST	0489	0486	0500	0584	0584	0590	0612	0613	0630	0658	0661	0677	0695	0701	0706	0708	0707	0725	0734	0734	0751	0751	0750	0752	0752	0755	0754	0754	0755	0755	0754
ANIMAL ID	0013 5	0014 0	0015 0	0025 1	0025 2	0027 1	0030 1	0031 0	0034 1	0039 0	0039 3	0043 1	0066 1	0078 0	0082 2	0082 7	0082 8	0093 6	0094 2	0094 4	0095 0	0095 1	0095 2	0101 4	0101 5	0103 1	0103 2	0103 3	0107 0	0107 1	0108 7
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum											+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Skin												X																			
Oral Mucosa																														+	
Sarcoma																														X	
Pancreas	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 0 PPM

DAY ON TEST	0489	0486	0500	0584	0584	0590	0612	0613	0630	0658	0661	0677	0695	0701	0706	0708	0707	0725	0734	0734	0751	0751	0750	0752	0752	0755	0754	0754	0755	0755	0754
ANIMAL ID	0013 5	0014 0	0015 0	0025 1	0025 2	0027 1	0030 1	0031 0	0034 1	0039 0	0039 3	0043 1	0066 1	0078 0	0082 2	0082 7	0082 8	0093 6	0094 2	0094 4	0095 0	0095 1	0095 2	0101 4	0101 5	0103 1	0103 2	0103 3	0107 0	0107 1	0108 7
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign									X											X											
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma															X																
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Fibrous Histiocytoma, Metastatic, Skin												X																			
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tubulostromal Carcinoma																															
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																		X													
Polyp Stromal							X		X							X				X											
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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
F3 0 PPM

DAY ON TEST	0489	0486	0500	0584	0584	0590	0612	0613	0630	0658	0661	0677	0695	0701	0706	0708	0707	0725	0734	0734	0751	0751	0750	0752	0752	0755	0754	0754	0755	0755	0754
ANIMAL ID	0013 5	0014 0	0015 0	0025 1	0025 2	0027 1	0030 1	0031 0	0034 1	0039 0	0039 3	0043 1	0061	0078 0	0082 2	0082 7	0082 8	0093 6	0094 2	0094 4	0095 0	0095 1	0095 2	0101 4	0101 5	0103 1	0103 2	0103 3	0107 0	0107 1	0108 7
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node												+					+	+			+			+	+	+	+				
Inguinal, Sarcoma, Metastatic, Skin																															
Lumbar, Fibrous Histiocytoma, Metastatic, Skin												X																			
Popliteal, Sarcoma, Metastatic, Skin																															
Sarcoma, Metastatic, Skin																															
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma	X																														
Thymoma Malignant																															
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma											X									X											X
Adenocarcinoma, Multiple							X			X																					
Fibroadenoma																		X		X									X		
Fibroadenoma, Multiple			X	X	X			X	X							X	X					X	X	X		X	X				
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma												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
F3 0 PPM

DAY ON TEST	0489	0486	0500	0584	0584	0590	0612	0613	0630	0658	0661	0677	0695	0701	0706	0708	0707	0725	0734	0734	0751	0751	0750	0752	0752	0755	0754	0754	0755	0755	0754
ANIMAL ID	0013 5	0014 0	0015 0	0025 1	0025 2	0027 1	0030 1	0031 0	0034 1	0039 0	0039 3	0043 1	0066 1	0078 0	0082 2	0082 7	0082 8	0093 6	0094 2	0094 4	0095 0	0095 1	0095 2	0101 4	0101 5	0103 1	0103 2	0103 3	0107 0	0107 1	0108 7
Sarcoma																															
Squamous Cell Carcinoma		X																													
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bone, Joint																													+		
Skeletal Muscle																															
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign																		X													
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Glioma Malignant, Mixed											X																				
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Skin												X																			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma						X																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 0 PPM

DAY ON TEST	0489	0486	0500	0584	0584	0590	0612	0613	0630	0658	0661	0677	0695	0701	0706	0708	0707	0725	0734	0734	0751	0751	0750	0752	0752	0755	0754	0754	0755	0755	0754
ANIMAL ID	0035	0040	0050	0051	0052	0071	0001	0010	0041	0090	0093	0031	0061	0080	0082	0087	0088	0096	0042	0044	0050	0051	0052	0014	0015	0031	0032	0033	0070	0071	0087
Harderian Gland											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Renal Tubule, Adenoma						X																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:03
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 0 PPM

DAY ON TEST	754	755	755	755	755	755	755	755	755	755	756	756	756	756	754	754	754	753	752	755	755	754	
ANIMAL ID	0108	0113	0114	0115	0118	0119	0110	0111	0112	0113	0116	0117	0118	0119	0160	0161	0162	0163	0164	0194	0195	0196	*TOTALS
Alimentary System																							
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	51
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Fibrous Histiocytoma, Metastatic, Skin																							1
Oral Mucosa																							1
Sarcoma																							1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Cardiovascular System																							
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Endocrine System																							
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53

* ..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 0 PPM

DAY ON TEST	754	755	755	755	755	755	755	755	755	755	756	756	756	756	754	754	754	753	752	755	755	754	
ANIMAL ID	0108	0103	0104	0105	0108	0109	0110	0111	0112	0113	0156	0157	0158	0159	0160	0161	0162	0163	0164	0194	0195	0196	*TOTALS
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Pheochromocytoma Benign																							2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Adenoma																							1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Pars Distalis, Adenoma	X					X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	41
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
General Body System																							
NONE																							
Genital System																							
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	49
Adenoma		X																			X		2
Fibrous Histiocytoma, Metastatic, Skin																							1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Tubulostromal Carcinoma								X															1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Adenocarcinoma																							1
Polyp Stromal					X																		5
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:03
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 0 PPM

DAY ON TEST	754	755	755	755	755	755	755	755	755	755	756	756	756	756	754	754	754	753	752	755	755	754	
ANIMAL ID	0108	0113	0114	0115	0118	0119	0110	0111	0112	0113	0116	0117	0118	0119	0120	0121	0122	0123	0124	0124	0125	0126	*TOTALS
Hematopoietic System																							
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Lymph Node		+					+		+	+	+	+		+				+			+	+	18
Inguinal, Sarcoma, Metastatic, Skin									X														1
Lumbar, Fibrous Histiocytoma, Metastatic, Skin																							1
Popliteal, Sarcoma, Metastatic, Skin									X														1
Sarcoma, Metastatic, Skin									X														1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	48
Sarcoma																							1
Thymoma Malignant				X																			1
Integumentary System																							
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Adenocarcinoma							X								X								5
Adenocarcinoma, Multiple																							2
Fibroadenoma		X			X								X			X		X				X	9
Fibroadenoma, Multiple	X		X	X			X	X	X	X				X	X		X			X			23
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Fibrous Histiocytoma																							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 0 PPM

DAY ON TEST	754	755	755	755	755	755	755	755	755	755	756	756	756	756	754	754	754	753	752	755	755	754	
ANIMAL ID	0108	0113	0114	0115	0118	0119	0110	0111	0112	0113	0116	0117	0118	0119	0120	0121	0122	0123	0124	0194	0195	0196	*TOTALS
Sarcoma									X														1
Squamous Cell Carcinoma																							1
Musculoskeletal System																							
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Bone, Joint																							1
Skeletal Muscle																		+					1
Nervous System																							
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Granular Cell Tumor Benign																							1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Glioma Malignant, Mixed																							1
Respiratory System																							
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Fibrous Histiocytoma, Metastatic, Skin																							1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Squamous Cell Carcinoma																							1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Special Senses System																							
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43

* ..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 0 PPM

DAY ON TEST	754	755	755	755	755	755	755	755	755	755	756	756	756	756	754	754	754	753	752	755	755	754	
ANIMAL ID	0108	0103	0104	0105	0108	0109	0110	0111	0112	0113	0156	0157	0158	0159	0160	0161	0162	0163	0164	0194	0195	0196	*TOTALS
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Urinary System																							
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Renal Tubule, Adenoma																							1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
SYSTEMIC LESIONS																							
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:03
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 5PPM TO CTL

DAY ON TEST	046	496	517	527	528	525	535	532	575	592	664	677	693	698	702	711	713	734	738	751	751	751	751	751	751	751	751	751	751	752	752
ANIMAL ID	0015	0043	0073	0082	0084	0093	0096	0097	0049	0075	0039	0032	0621	0626	0719	0928	0932	0940	0943	0953	0954	0955	0956	0957	0958	0959	0960	0961	0962	0116	0117
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+										+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyosarcoma																															
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangiocarcinoma																							X								
Mesentery																														+	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach																															
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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

CD Rat Female
F3 5PPM TO CTL

DAY ON TEST	046	496	517	527	528	525	535	532	575	592	664	677	693	698	702	711	713	734	738	751	751	751	751	751	751	751	751	751	751	752	752
ANIMAL ID	0015	0143	0173	0182	0184	0193	0196	0197	0249	0275	0399	0432	0621	0626	0719	0928	0932	0940	0943	0953	0954	0955	0956	0957	0958	0959	0960	0961	0962	0116	0117
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma													X							X											
Adrenal Medulla	M	M	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																							X								
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															X
Parathyroid Gland	M	+	+	+	+	+	+	+	M	+	+	+	+	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	X	X	X	X	X	X	X	X
Pars Distalis, Carcinoma														X																	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																															
C Cell, Carcinoma																															
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyoma																															
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:04
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 5PPM TO CTL

DAY ON TEST	046	496	517	527	528	525	535	532	575	592	664	677	693	698	702	711	713	734	738	751	751	751	751	751	751	751	751	751	752	752
ANIMAL ID	0015	0143	0173	0182	0184	0193	0196	0197	0249	0275	0399	0432	0621	0626	0719	0928	0932	0940	0943	0953	0954	0955	0956	0957	0958	0959	0960	0961	0962	0116	0117
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node															+							+		+		+	+				
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyosarcoma, Metastatic, Intestine Small, Jejunum																															
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma									X			X					X						X								
Adenocarcinoma, Multiple															X											X					
Fibroadenoma						X				X			X	X		X							X	X							
Fibroadenoma, Multiple																									X	X	X		X		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																															
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:04
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 5PPM TO CTL

DAY ON TEST	046	496	517	527	528	525	535	532	575	592	664	677	693	698	702	711	713	734	738	751	751	751	751	751	751	751	751	751	751	752	752
ANIMAL ID	0015	0043	0073	0082	0084	0093	0096	0097	0049	0075	0039	0032	0021	0026	0019	0028	0032	0040	0043	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0016	0017
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																							X								
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye	+										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	M										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland															+																
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																															

* ..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 5PPM TO CTL

DAY ON TEST	742	755	755	755	755	755	755	755	756	755	755	755	754	754	755	754	754	755	754	
ANIMAL ID	0103 0	0103 4	0103 5	0103 6	0103 7	0106 2	0106 3	0106 4	0108 9	0109 0	0109 1	0109 2	0109 3	0109 4	0111 4	0111 5	0111 6	0111 6 5	0111 6 6	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leiomyosarcoma																		X		1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cholangiocarcinoma																				1
Mesentery																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach																		+		1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
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

CD Rat Female
F3 5PPM TO CTL

DAY ON TEST	742	755	755	755	755	755	755	755	756	755	755	755	754	754	755	754	754	755	754	
ANIMAL ID	0130	0134	0135	0136	0137	0162	0163	0164	0189	0190	0191	0192	0193	0194	0114	0115	0116	0165	0166	*TOTALS
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																				2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Pheochromocytoma Benign																				1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma					X															2
Parathyroid Gland	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	41
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X	X	X	X	X	X	X	X	X		X	X	X	X			X		42
Pars Distalis, Carcinoma																				1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma				X																1
C Cell, Carcinoma													X							1
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyoma																		X		1
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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
F3 5PPM TO CTL

DAY ON TEST	742	755	755	755	755	755	755	755	756	755	755	755	754	754	755	754	754	755	754	
ANIMAL ID	0130	0134	0135	0136	0137	0162	0163	0164	0189	0190	0191	0192	0193	0194	0114	0115	0116	0165	0166	*TOTALS
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node			+		+			+							+					9
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyosarcoma, Metastatic, Intestine Small, Jejunum																		X		1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	45
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenocarcinoma		X														X				6
Adenocarcinoma, Multiple																				2
Fibroadenoma																X	X			9
Fibroadenoma, Multiple			X		X	X						X		X	X				X	11
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Musculoskeletal System																				
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 5PPM TO CTL

DAY ON TEST	742	755	755	755	755	755	755	755	756	755	755	755	754	754	755	754	754	755	754	
ANIMAL ID	0130	0134	0135	0136	0137	0162	0163	0164	0189	0190	0191	0192	0193	0194	0114	0115	0116	0165	0166	*TOTALS
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Lacrimal Gland																				1
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	47
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear			X																	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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:05
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 100PPM TO CTL

DAY ON TEST	375	559	588	605	605	616	618	635	641	648	665	674	678	683	686	688	712	720	728	736	744	751	750	751	751	751	751	751	751	751	751
ANIMAL ID	0095	0022	0026	0029	0029	0013	0014	0035	0058	0073	0012	0023	0026	0042	0054	0056	0091	0095	0097	0045	0049	0063	0064	0018	0019	0020	0021	0022	0023	0024	0025
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																															
Mesentery																									+						
Oral Mucosa																								+							
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Nos																												X			
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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:05
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 100PPM TO CTL

DAY ON TEST	375	559	588	605	605	616	618	635	641	648	665	674	678	683	686	688	712	720	728	736	744	751	750	751	751	751	751	751	751	751	751
ANIMAL ID	0095	0022	0026	0029	0029	0031	0031	0035	0035	0037	0041	0042	0042	0044	0045	0045	0093	0093	0093	0094	0094	0096	0096	0101	0101	0102	0102	0102	0102	0102	0102
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																											X				
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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	X	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															
Carcinoma																															
Ovary	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Oviduct	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																										X					
Adenoma																															
Polyp Stromal									X																	X					
Sarcoma Stromal																										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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:05
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 100PPM TO CTL

DAY ON TEST	037	055	058	060	060	061	061	063	064	064	066	067	067	068	068	068	071	072	072	073	074	075	075	075	075	075	075	075	075	075	075
ANIMAL ID	0095	0022	0026	0029	0029	0013	0031	0035	0035	0037	0041	0042	0042	0044	0045	0045	0093	0093	0093	0094	0094	0096	0096	0101	0101	0102	0102	0102	0102	0102	0102
Vagina	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node	+									+						+			+							+					
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma				X	X																					X					
Adenocarcinoma, Multiple		X																													
Adenoma																			X												
Fibroadenoma								X		X							X		X		X					X				X	
Fibroadenoma, Multiple		X									X	X	X		X					X		X	X	X			X		X		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																															
Bone														+																	
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain	+																														

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:06
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 100PPM TO CTL

DAY ON TEST	375	559	588	605	605	616	618	635	641	648	665	674	678	683	686	688	712	720	728	736	744	751	750	751	751	751	751	751	751	751	751
ANIMAL ID	0095	0022	0026	0029	0029	0031	0031	0035	0035	0037	0041	0042	0042	0044	0045	0045	0093	0093	0093	0094	0094	0096	0096	0101	0101	0102	0102	0102	0102	0102	0102
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Renal Tubule, Adenoma																															
Urinary Bladder	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:06
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 100PPM TO CTL

DAY ON TEST	075	075	074	075	075	075	075	075	075	075	075	076	076	076	076	076	076	074	076	
ANIMAL ID	0103 8	0103 9	0104 0	0110 6	0111 7	0111 8	0111 9	0112 0	0112 1	0112 2	0112 3	0112 6	0112 7	0112 8	0112 9	0115 5	0116 7	0116 8	0119 7	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma		X																		1
Mesentery																				1
Oral Mucosa																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Schwannoma Nos																				1
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

CD Rat Female
F3 100PPM TO CTL

DAY ON TEST	755	755	754	755	755	755	755	755	755	755	755	756	756	756	756	756	756	754	756	
ANIMAL ID	0103 8	0103 9	0104 0	0110 6	0111 7	0111 8	0111 9	0112 0	0112 1	0112 2	0112 3	0112 6	0112 7	0112 8	0112 9	0115 5	0116 7	0116 8	0119 7	*TOTALS
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma					X															1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma							X													2
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	47
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	42
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																	X			1
Carcinoma						X														1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma																				1
Adenoma												X								1
Polyp Stromal										X		X		X						5
Sarcoma Stromal												X								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 Female
F3 100PPM TO CTL

DAY ON TEST	755	755	754	755	755	755	755	755	755	755	755	756	756	756	756	756	756	754	756	
ANIMAL ID	0103 8	0103 9	0104 0	0110 6	0111 7	0111 8	0111 9	0112 0	0112 1	0112 2	0112 3	0112 6	0112 7	0112 8	0112 9	0115 5	0116 7	0116 8	0119 7	*TOTALS
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node				+					+			+								8
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	46
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma	X							X		X	X						X			8
Adenocarcinoma, Multiple				X																2
Adenoma																				1
Fibroadenoma		X	X		X					X			X						X	13
Fibroadenoma, Multiple				X				X	X		X	X		X	X	X		X		20
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Musculoskeletal System																				
Bone																				1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain																				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 100PPM TO CTL

DAY ON TEST	755	755	754	755	755	755	755	755	755	755	755	756	756	756	756	756	756	754	756	
ANIMAL ID	0103 8	0103 9	0104 0	0110 6	0111 7	0111 8	0111 9	0112 0	0112 1	0112 2	0112 3	0112 6	0112 7	0112 8	0112 9	0115 5	0116 7	0116 8	0119 7	*TOTALS
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Renal Tubule, Adenoma											X									1
Urinary Bladder	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	48
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:06
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 500PPM TOCTL

DAY ON TEST	034	049	049	052	052	054	055	058	059	063	064	065	066	068	066	066	067	068	068	069	070	070	073	073	075	075	075	075	075	075	075
ANIMAL ID	0067	0141	0142	0181	0183	0205	0223	0260	0276	0340	0371	0375	0411	0414	0415	0416	0428	0452	0455	0625	0861	0927	0939	0941	0965	0966	0967	0968	0969	0126	0127
Alimentary System																															
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum													+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Oral Mucosa																								+							
Sarcoma																								X							
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																															

* ..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: 99930-92
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
Species/Strain: Rat/CD

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/22/2014
Time Report Requested: 14:28:07
First Dose M/F: NA / NA
Lab: NCTR

CD Rat Female
F3 500PPM TOCTL

DAY ON TEST	032	049	049	052	052	054	055	058	059	063	064	065	065	066	066	066	067	068	068	069	070	070	073	073	075	075	075	075	075	075	075	075
ANIMAL ID	0067	0141	0142	0181	0183	0205	0223	0260	0276	0340	0371	0375	0411	0414	0415	0416	0428	0452	0455	0625	0861	0927	0939	0941	0965	0966	0967	0968	0969	0126	0127
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign							X																								
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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		X	X	X		X	X		X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																											X	X			
General Body System																															
NONE																															
Genital System																															
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Yolk Sac Carcinoma																							X								
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Polyp Stromal																						X									
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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
F3 500PPM TOCTL

DAY ON TEST	324	494	495	525	527	547	559	589	591	631	640	650	665	668	667	669	676	689	686	697	707	706	732	736	751	751	751	751	751	752	751
ANIMAL ID	0067	0141	0142	0181	0183	0205	0223	0260	0276	0340	0371	0375	0411	0414	0415	0416	0428	0452	0455	0625	0861	0927	0939	0941	0965	0966	0967	0968	0969	0126	0127
Lymph Node															+	+		+				+	+							+	
Lumbar, Yolk Sac Carcinoma, Metastatic, Ovary																							X								
Renal, Yolk Sac Carcinoma, Metastatic, Ovary																							X								
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymoma Malignant																				X											
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma	X						X			X	X										X			X							X
Adenocarcinoma, Multiple																															
Adenoma																			X												
Fibroadenoma									X	X		X	X		X	X	X	X	X	X	X				X		X			X	X
Fibroadenoma, Multiple														X								X				X					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Keratoacanthoma																							X								
Sarcoma																	X														
Squamous Cell Carcinoma																X															
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
F3 500PPM TOCTL

DAY ON TEST	0324	0494	0495	0525	0527	0547	0559	0589	0591	0631	0640	0650	0665	0668	0667	0669	0676	0689	0686	0697	0707	0706	0732	0736	0751	0751	0751	0751	0751	0752	0751
ANIMAL ID	0067	0141	0142	0181	0183	0205	0223	0260	0276	0340	0371	0375	0411	0414	0415	0416	0428	0452	0455	0625	0861	0927	0939	0941	0965	0966	0967	0968	0969	0126	0127
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																															
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pituitary Gland			X																												
Granular Cell Tumor Benign																			X												
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma, Metastatic, Skin																X															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma																								X							
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																															
Eye					+								+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland					+								+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+
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

CD Rat Female
F3 500PPM TOCTL

DAY ON TEST	0324	0494	0495	0525	0527	0547	0559	0589	0591	0631	0640	0650	0665	0668	0667	0669	0676	0689	0686	0697	0707	0706	0732	0736	0751	0751	0751	0751	0751	0752	0751
ANIMAL ID	0067	0141	0142	0181	0183	0205	0223	0260	0276	0340	0371	0375	0411	0414	0415	0416	0428	0452	0455	0625	0861	0927	0939	0941	0965	0966	0967	0968	0969	0126	0127
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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 500PPM TOCTL

DAY ON TEST	751	749	754	754	754	754	754	754	754	755	755	755	755	755	755	753	753	752	753	
ANIMAL ID	0102 8	0102 9	0104 1	0104 2	0104 3	0106 5	0109 5	0109 6	0109 7	0110 7	0112 4	0112 5	0116 9	0117 0	0117 1	0117 2	0117 3	0117 4	0119 8	*TOTALS
Alimentary System																				
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Oral Mucosa																				1
Sarcoma																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma															X					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 500PPM TOCTL

DAY ON TEST	751	749	754	754	754	754	754	754	754	755	755	755	755	755	755	753	753	752	753	
ANIMAL ID	0102 8	0102 9	0104 1	0104 2	0104 3	0106 5	0109 5	0109 6	0109 7	0110 7	0112 4	0112 5	0116 9	0117 0	0117 1	0117 2	0117 3	0117 4	0119 8	*TOTALS
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pheochromocytoma Benign													X							2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																		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					3
General Body System																				
NONE																				
Genital System																				
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Yolk Sac Carcinoma																				1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Polyp Stromal															X					2
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	48
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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
F3 500PPM TOCTL

DAY ON TEST	751	749	754	754	754	754	754	754	754	755	755	755	755	755	755	753	753	752	753	
ANIMAL ID	0102 8	0102 9	0104 1	0104 2	0104 3	0106 5	0109 5	0109 6	0109 7	0110 7	0112 4	0112 5	0116 9	0117 0	0117 1	0117 2	0117 3	0117 4	0119 8	*TOTALS
Lymph Node						+		+	+				+			M	+		+	12
Lumbar, Yolk Sac Carcinoma, Metastatic, Ovary																				1
Renal, Yolk Sac Carcinoma, Metastatic, Ovary																				1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Thymoma Malignant																				1
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma									X							X			X	10
Adenocarcinoma, Multiple										X					X					2
Adenoma																				1
Fibroadenoma				X		X										X			X	19
Fibroadenoma, Multiple	X						X	X		X		X					X			9
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Keratoacanthoma																				1
Sarcoma																				1
Squamous Cell Carcinoma																				1
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
F3 500PPM TOCTL

DAY ON TEST	751	749	754	754	754	754	754	754	754	755	755	755	755	755	755	753	753	752	753	
ANIMAL ID	0128	0129	0141	0142	0143	0165	0195	0196	0197	0107	0124	0125	0169	0170	0171	0172	0173	0174	0198	*TOTALS
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma, Metastatic, Pituitary Gland																				1
Granular Cell Tumor Benign																				1
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma, Metastatic, Skin																				1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Squamous Cell Carcinoma														X	X					3
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	47
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

CD Rat Female
F3 500PPM TOCTL

DAY ON TEST	751	749	754	754	754	754	754	754	755	755	755	755	755	755	753	753	752	753	
ANIMAL ID	0102 8	0102 9	0104 1	0104 2	0104 3	0106 5	0109 5	0109 6	0109 7	0110 7	0112 4	0112 5	0116 9	0117 0	0117 1	0117 2	0117 3	0117 4	0119 8	*TOTALS
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

** END OF REPORT **

* ..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