



National Toxicology Program
Department of Health and Human Services

NTP Historical Controls Report

All Routes and Vehicles

Harlan Sprague-Dawley RATS

October 2022

REPORT DESCRIPTION

This report shows the tumor rates of control group animals from selected studies. The studies used are shown on the Study Summary page.

The report combines all the data from all of the historical control studies into one section. To see this data broken up by route and vehicle you must run the "By Route And Vehicle" report.

The individual tumor rates shown on the data pages of the report relate to the Study Summary page as follows: the tumor rates are shown in the same order as the Study Summary page, except that they are grouped horizontally in sets of three, with the males in the first set of three and the females in the second set. For example if the study summary showed the studies like this:

Male

M1

M2

M3

M4

M5

Female

F1

F2

F3

F4

F5

the data would be shown as:

	Male			Female		
M1	M2	M3	F1	F2	F3	
M4	M5		F4	F5		

Directly beneath the individual tumor rates on the data pages are the overall totals for that tumor/site combination. This includes the total tumors/animals, the overall mean (in parentheses), the mean of the study means, and the standard deviation of the study means.

Studies with no control animals of a particular gender are listed on the summary page with the Number of Animals shown as zero and the Start Date and Length of Study shown as "N/A". On the data pages there are blank spaces where tumor rates for these studies would normally be found, so that the male and female rates for the remaining studies can be easily compared.

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
Male							
Battelle Columbus Laboratory	050005803	07/03/12	730	50(2)	15(656)	628.4	Black Cohosh
Battelle Columbus Laboratory	051018801	02/17/11	733	50(2)	32(675)	525.8	Di(2-ethylhexyl) Phthalate
Battelle Columbus Laboratory	051018802	06/27/11	729	50(2)	25(648)	593.4	Di(2-ethylhexyl) Phthalate
Battelle Columbus Laboratory	051098701	08/30/10	729	49(2)	27(672)	628.3	Dibutyl Phthalate
Battelle Columbus Laboratory	051026001	11/08/10	729	50(2)	30(706)	615.3	2-Hydroxy-4-methoxybenzophenone
Battelle Northwest	051047203	01/17/11	729	50(5)	25(661)	609.4	p-Chloro-a,a,a-trifluorotoluene
I. I. T. Research Institute	052010556	09/16/12	730	90(1)	25(642)	658.1	Radiofrequency Radiation
Battelle Columbus Laboratory	052032305	05/07/12	729	50(2)	29(669)	597.1	Resveratrol
Battelle Columbus Laboratory	050303803	01/30/12	729	50(2)	12(621)	610.8	Sodium Tungstate Dihydrate
Battelle Columbus Laboratory	052071203	12/12/11	729	50(2)	25(652)	589.0	Tris(Chloropropyl)phosphate
Battelle Columbus	051105403	07/05/15	732	50(2)	16(650)	657.1	Sulfolane
Female							
Battelle Columbus Laboratory	050005803	07/02/12	729	50(5)	28(679)	426.6	Black Cohosh
Battelle Columbus Laboratory	051018801	02/18/11	736	50(4)	33(691)	329.5	Di(2-ethylhexyl) Phthalate
Battelle Columbus Laboratory	051018802	06/28/11	732	50(4)	31(684)	376.1	Di(2-ethylhexyl) Phthalate
Battelle Columbus Laboratory	051098701	08/31/10	730	50(4)	29(668)	397.3	Dibutyl Phthalate
Battelle Columbus Laboratory	051026001	11/09/10	730	50(4)	30(657)	379.6	2-Hydroxy-4-methoxybenzophenone
Battelle Northwest	051047203	01/17/11	731	50(5)	22(626)	377.3	p-Chloro-a,a,a-trifluorotoluene
I. I. T. Research Institute	052010556	09/16/12	737	90(1)	48(659)	462.4	Radiofrequency Radiation
Battelle Columbus Laboratory	052032305	05/08/12	730	50(5)	34(690)	394.3	Resveratrol
Battelle Columbus Laboratory	050303803	01/31/12	730	50(5)	30(667)	393.3	Sodium Tungstate Dihydrate
Battelle Columbus Laboratory	052071203	12/13/11	731	50(4)	22(629)	380.1	Tris(Chloropropyl)phosphate
Battelle Columbus	051105403	07/05/15	734	50(4)	21(670)	438.1	Sulfolane

		Male				Female			
#All Organs:									
Benign Tumors									
		30/50 (60%)	27/50 (54%)	28/50 (56%)	44/50 (88%)	37/50 (74%)	41/50 (82%)		
		35/49 (71%)	38/50 (76%)	30/50 (60%)	40/50 (80%)	41/50 (82%)	39/50 (78%)		
		49/90 (54%)	33/50 (66%)	29/50 (58%)	82/90 (91%)	43/50 (86%)	39/50 (78%)		
		25/50 (50%)	29/50 (58%)		41/50 (82%)	43/50 (86%)			
Overall Incidence	Total	353/589 (59.93%)	Mean 60.35%	SD 7.82%	Total	490/590 (83.05%)	Mean 82.46%	SD 4.99%	
.....									
#All Organs:									
Malignant Tumors									
		10/50 (20%)	13/50 (26%)	15/50 (30%)	7/50 (14%)	16/50 (32%)	14/50 (28%)		
		14/49 (29%)	11/50 (22%)	12/50 (24%)	13/50 (26%)	15/50 (30%)	11/50 (22%)		
		24/90 (27%)	13/50 (26%)	14/50 (28%)	37/90 (41%)	10/50 (20%)	17/50 (34%)		
		9/50 (18%)	8/50 (16%)		10/50 (20%)	15/50 (30%)			
Overall Incidence	Total	143/589 (24.28%)	Mean 24.11%	SD 4.56%	Total	165/590 (27.97%)	Mean 27.01%	SD 7.65%	
.....									
#All Organs:									
Malignant and Benign Tumors									
		33/50 (66%)	32/50 (64%)	36/50 (72%)	46/50 (92%)	41/50 (82%)	44/50 (88%)		
		41/49 (84%)	42/50 (84%)	37/50 (74%)	44/50 (88%)	47/50 (94%)	41/50 (82%)		
		57/90 (63%)	39/50 (78%)	36/50 (72%)	89/90 (99%)	45/50 (90%)	47/50 (94%)		
		30/50 (60%)	32/50 (64%)		46/50 (92%)	45/50 (90%)			
Overall Incidence	Total	415/589 (70.46%)	Mean 71%	SD 8.32%	Total	535/590 (90.68%)	Mean 90.08%	SD 5.05%	
.....									
#All Organs:									
Hemangioma									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	2/589 (0.34%)	Mean 0.36%	SD 0.81%	Total	3/590 (0.51%)	Mean 0.55%	SD 0.93%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#All Organs:													
Hemangiosarcoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		3/90	(3%)	0/50	(0%)	1/50	(2%)	3/90	(3%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	5/589 (0.85%)		Mean 0.67%		SD 1.19%		Total		4/590 (0.68%)		Mean 0.48%	
												SD 1.12%	
#All Organs:													
Hemangiosarcoma or Hemangioma													
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)
		0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		3/90	(3%)	0/50	(0%)	1/50	(2%)	3/90	(3%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			1/50	(2%)	0/50	(0%)		
Overall Incidence	Total	7/589 (1.19%)		Mean 1.03%		SD 1.24%		Total		7/590 (1.19%)		Mean 1.03%	
												SD 1.53%	
#All Organs:													
Histiocytic Sarcoma													
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	1/50	(2%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	3/589 (0.51%)		Mean 0.55%		SD 0.93%		Total		0/590 (0%)		Mean 0%	
												SD 0%	
#All Organs:													
Leukemia: Granulocytic													
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	2/589 (0.34%)		Mean 0.36%		SD 0.81%		Total		1/590 (0.17%)		Mean 0.18%	
												SD 0.6%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#All Organs:											
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(2%)
		0/49	(0%)	0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	1/50	(2%)	0/90	(0%)	1/50	(2%)
		1/50	(2%)	0/50	(0%)			2/50	(4%)	0/50	(0%)
Overall Incidence	Total	5/589 (0.85%)		Mean 0.91%		SD 1.87%		Total	4/590 (0.68%)		Mean 0.73%
										SD 1.35%	
#All Organs:											
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type											
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		2/90	(2%)	1/50	(2%)	1/50	(2%)	5/90	(6%)	1/50	(2%)
		2/50	(4%)	0/50	(0%)			0/50	(0%)	2/50	(4%)
Overall Incidence	Total	9/589 (1.53%)		Mean 1.48%		SD 1.58%		Total	12/590 (2.03%)		Mean 1.78%
										SD 2%	
#All Organs:											
Malignant Schwannoma											
		0/50	(0%)	3/50	(6%)	6/50	(12%)	1/50	(2%)	1/50	(2%)
		3/49	(6%)	1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)
		3/90	(3%)	0/50	(0%)	1/50	(2%)	4/90	(4%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	17/589 (2.89%)		Mean 2.86%		SD 3.83%		Total	16/590 (2.71%)		Mean 2.59%
										SD 2.05%	
#All Organs:											
Mesothelioma: Benign, Malignant, NOS											
		2/50	(4%)	2/50	(4%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		2/90	(2%)	1/50	(2%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	12/589 (2.04%)		Mean 2.02%		SD 1.27%		Total	0/590 (0%)		Mean 0%
										SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
#All Organs:														
Mesothelioma: Malignant														
		2/50	(4%)	2/50	(4%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/49	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		2/90	(2%)	1/50	(2%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	12/589 (2.04%)		Mean 2.02%		SD 1.27%		Total	0/590 (0%)		Mean 0%		SD 0%	
#All Organs:														
Osteosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/90	(0%)	1/50	(2%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total	1/590 (0.17%)		Mean 0.18%		SD 0.6%	
#All Organs:														
Osteosarcoma or Osteoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/90	(0%)	1/50	(2%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total	1/590 (0.17%)		Mean 0.18%		SD 0.6%	
*Adrenal Cortex:														
Adenoma														
		0/50	(0%)	1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	3/50	(6%)	3/50	(6%)	0/50	(0%)	3/50	(6%)	0/50	(0%)	
		1/90	(1%)	0/50	(0%)	0/50	(0%)	1/90	(1%)	3/50	(6%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
Overall Incidence	Total	8/589 (1.36%)		Mean 1.37%		SD 2.38%		Total	9/589 (1.53%)		Mean 1.56%		SD 2.5%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Adrenal Cortex:									
 Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/90 (0%)	1/50 (2%)	0/50 (0%)		1/90 (1%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	1/589 (0.17%)	Mean 0.1%	SD 0.34%	
.....									
*Adrenal Medulla:									
 Ganglioneuroma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/88 (0%)	0/50 (0%)	1/50 (2%)		0/86 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	1/587 (0.17%)	Mean 0.18%	SD 0.6%	Total	1/584 (0.17%)	Mean 0.18%	SD 0.6%	
.....									
*Adrenal Medulla:									
 Pheochromocytoma Benign									
		14/50 (28%)	4/50 (8%)	5/50 (10%)		3/50 (6%)	1/50 (2%)	0/50 (0%)	
		7/49 (14%)	9/50 (18%)	12/50 (24%)		0/50 (0%)	3/50 (6%)	0/49 (0%)	
		10/88 (11%)	4/50 (8%)	10/50 (20%)		1/86 (1%)	3/50 (6%)	1/50 (2%)	
		6/50 (12%)	10/50 (20%)			0/50 (0%)	1/49 (2%)		
Overall Incidence	Total	91/587 (15.5%)	Mean 15.79%	SD 6.69%	Total	13/584 (2.23%)	Mean 2.29%	SD 2.53%	
.....									
*Adrenal Medulla:									
 Pheochromocytoma Complex									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		1/88 (1%)	0/50 (0%)	0/50 (0%)		0/86 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	2/587 (0.34%)	Mean 0.29%	SD 0.66%	Total	0/584 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Adrenal Medulla:									
 Pheochromocytoma Malignant									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	3/50 (6%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		1/88 (1%)	1/50 (2%)	2/50 (4%)	0/86 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/49 (2%)			
Overall Incidence	Total	11/587 (1.87%)	Mean 1.93%	SD 2.02%	Total	4/584 (0.68%)	Mean 0.73%	SD 1.35%	
.....									
*Adrenal Medulla:									
 Pheochromocytoma: Benign, Complex, Malignant, NOS									
		14/50 (28%)	5/50 (10%)	6/50 (12%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		8/49 (16%)	12/50 (24%)	14/50 (28%)	0/50 (0%)	5/50 (10%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		11/88 (13%)	5/50 (10%)	12/50 (24%)	1/86 (1%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		6/50 (12%)	10/50 (20%)		0/50 (0%)	2/49 (4%)			
Overall Incidence	Total	103/587 (17.55%)	Mean 17.89%	SD 7.13%	Total	17/584 (2.91%)	Mean 3.02%	SD 3.31%	
.....									
#Bone:									
 Osteosarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/90 (0%)	1/50 (2%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	0/590 (0%)	Mean 0%	SD 0%	
.....									
#Bone:									
 Osteosarcoma or Osteoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/90 (0%)	1/50 (2%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	0/590 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Brain:									
 Glioma Malignant									
		1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/49 (4%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/90 (0%)	0/50 (0%)	2/50 (4%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	11/589 (1.87%)	Mean 2.01%	SD 2.69%	Total	2/590 (0.34%)	Mean 0.36%	SD 0.81%	
.....									
*Brain:									
 Granular Cell Tumor Benign									
		3/50 (6%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/90 (1%)	0/50 (0%)	0/50 (0%)	1/90 (1%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	10/589 (1.7%)	Mean 1.74%	SD 2.45%	Total	5/590 (0.85%)	Mean 0.83%	SD 1.33%	
.....									
*Brain:									
 Granular Cell Tumor Malignant									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/90 (0%)	0/50 (0%)	1/50 (2%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	0/590 (0%)	Mean 0%	SD 0%	
.....									
*Brain:									
 Meningioma Benign									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/589 (0.17%)	Mean 0.19%	SD 0.62%	Total	0/590 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Brain:													
Meningioma Malignant													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total	1/590 (0.17%)		Mean 0.18%		SD 0.6%
.....													
*Brain:													
Meningioma: Benign, Malignant, NOS													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	2/589 (0.34%)		Mean 0.37%		SD 0.82%		Total	1/590 (0.17%)		Mean 0.18%		SD 0.6%
.....													
*Brain:													
Oligodendroglioma Malignant													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total	0/590 (0%)		Mean 0%		SD 0%
.....													
*Brain:													
Oligodendroglioma, Glioma, or Astrocytoma													
		1/50	(2%)	4/50	(8%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		2/49	(4%)	0/50	(0%)	2/50	(4%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
		0/90	(0%)	0/50	(0%)	2/50	(4%)	0/90	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	12/589 (2.04%)		Mean 2.19%		SD 2.61%		Total	2/590 (0.34%)		Mean 0.36%		SD 0.81%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Brain:									
Schwannoma Malignant									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)		0/90 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/589 (0%)	Mean 0%	SD 0%	Total	1/590 (0.17%)	Mean 0.18%	SD 0.6%	
.....									
*Clitoral/Preputial Gland:									
Adenoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)	
		1/49 (2%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/48 (0%)	0/50 (0%)	
		0/88 (0%)	0/50 (0%)	0/50 (0%)		0/87 (0%)	0/48 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/46 (0%)	0/48 (0%)		
Overall Incidence	Total	1/585 (0.17%)	Mean 0.19%	SD 0.62%	Total	0/574 (0%)	Mean 0%	SD 0%	
.....									
*Clitoral/Preputial Gland:									
Adenocarcinoma									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)	
		0/49 (0%)	1/49 (2%)	0/50 (0%)		0/49 (0%)	0/48 (0%)	0/50 (0%)	
		0/88 (0%)	0/50 (0%)	0/50 (0%)		0/87 (0%)	0/48 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/46 (0%)	0/48 (0%)		
Overall Incidence	Total	2/585 (0.34%)	Mean 0.37%	SD 0.83%	Total	0/574 (0%)	Mean 0%	SD 0%	
.....									
*Clitoral/Preputial Gland:									
Adenoma or Adenocarcinoma									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)	
		1/49 (2%)	1/49 (2%)	0/50 (0%)		0/49 (0%)	0/48 (0%)	0/50 (0%)	
		0/88 (0%)	0/50 (0%)	0/50 (0%)		0/87 (0%)	0/48 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/46 (0%)	0/48 (0%)		
Overall Incidence	Total	3/585 (0.51%)	Mean 0.56%	SD 0.95%	Total	0/574 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Clitoral/Preputial Gland:									
Squamous Cell Carcinoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	1/49 (2%)	0/49 (0%)	0/50 (0%)		
		1/49 (2%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)		
		0/88 (0%)	0/50 (0%)	0/50 (0%)	0/87 (0%)	1/48 (2%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)		0/46 (0%)	0/48 (0%)			
Overall Incidence	Total	2/585 (0.34%)	Mean 0.37%	SD 0.82%	Total	2/574 (0.35%)	Mean 0.37%	SD 0.83%	
*Clitoral/Preputial Gland:									
Squamous Cell Papilloma									
		0/50 (0%)	0/49 (0%)	1/50 (2%)	0/49 (0%)	1/49 (2%)	0/50 (0%)		
		0/49 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)		
		0/88 (0%)	1/50 (2%)	0/50 (0%)	0/87 (0%)	0/48 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/46 (0%)	0/48 (0%)			
Overall Incidence	Total	2/585 (0.34%)	Mean 0.36%	SD 0.81%	Total	1/574 (0.17%)	Mean 0.19%	SD 0.62%	
*Epididymis:									
Sarcoma									
		0/50 (0%)	0/50 (0%)	0/49 (0%)					
		0/49 (0%)	0/50 (0%)	1/50 (2%)					
		0/90 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)						
Overall Incidence	Total	1/588 (0.17%)	Mean 0.18%	SD 0.6%					
#Eye:									
Leiomyoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	0/590 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Heart:									
Schwannoma Malignant									
		0/50 (0%)	3/50 (6%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/49 (0%)		
		2/49 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	8/589 (1.36%)	Mean 1.46%	SD 2.22%	Total	4/587 (0.68%)	Mean 0.73%	SD 1.35%	
.....									
#Intestine Large: Cecum:									
Leiomyosarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	0/589 (0%)	Mean 0%	SD 0%	Total	1/590 (0.17%)	Mean 0.18%	SD 0.6%	
.....									
#Intestine Large: Cecum:									
Liposarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	0/589 (0%)	Mean 0%	SD 0%	Total	1/590 (0.17%)	Mean 0.18%	SD 0.6%	
.....									
#Intestine Large: Colon/Rectum:									
Granular Cell Tumor Benign									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	1/90 (1%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/589 (0%)	Mean 0%	SD 0%	Total	1/590 (0.17%)	Mean 0.1%	SD 0.34%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Intestine Large: Colon/Rectum:											
Leiomyoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total		0/590 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Intestine Small: Jejunum:											
Adenocarcinoma											
		0/50	(0%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		2/90	(2%)	1/50	(2%)	1/50	(2%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	9/589 (1.53%)		Mean 1.47%		SD 1.3%		Total		0/590 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Intestine Small: Jejunum:											
Leiomyosarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	1/90	(1%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total		1/590 (0.17%)	
								Mean		0.1%	
								SD		0.34%	
.....											
#Intestine Small: Any Site:											
Adenocarcinoma											
		0/50	(0%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		2/90	(2%)	1/50	(2%)	1/50	(2%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	9/589 (1.53%)		Mean 1.47%		SD 1.3%		Total		0/590 (0%)	
								Mean		0%	
								SD		0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Intestine Small: Any Site:									
Adenoma or Adenocarcinoma									
		0/50 (0%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/90 (2%)	1/50 (2%)	1/50 (2%)		0/90 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	9/589 (1.53%)	Mean 1.47%	SD 1.3%	Total	0/590 (0%)	Mean 0%	SD 0%	
#Intestine Small: Any Site:									
Leiomyosarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)		1/90 (1%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	1/590 (0.17%)	Mean 0.1%	SD 0.34%	
*Islets, Pancreatic:									
Adenoma									
		4/50 (8%)	3/49 (6%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	3/49 (6%)	
		4/49 (8%)	3/50 (6%)	8/50 (16%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		5/90 (6%)	2/50 (4%)	2/50 (4%)		5/90 (6%)	2/50 (4%)	1/50 (2%)	
		4/50 (8%)	3/50 (6%)			0/49 (0%)	0/48 (0%)		
Overall Incidence	Total	40/588 (6.8%)	Mean 6.89%	SD 3.41%	Total	15/586 (2.56%)	Mean 2.33%	SD 2.11%	
*Islets, Pancreatic:									
Carcinoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		8/90 (9%)	3/50 (6%)	1/50 (2%)		2/90 (2%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)			0/49 (0%)	0/48 (0%)		
Overall Incidence	Total	12/588 (2.04%)	Mean 1.54%	SD 3.05%	Total	5/586 (0.85%)	Mean 0.75%	SD 1.04%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Islets, Pancreatic:									
 Carcinoma or Adenoma									
		4/50 (8%)	3/49 (6%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	3/49 (6%)		
		4/49 (8%)	3/50 (6%)	8/50 (16%)	1/50 (2%)	1/50 (2%)	2/50 (4%)		
		13/90 (14%)	5/50 (10%)	3/50 (6%)	7/90 (8%)	2/50 (4%)	2/50 (4%)		
		4/50 (8%)	3/50 (6%)		0/49 (0%)	0/48 (0%)			
Overall Incidence	Total	52/588 (8.84%)	Mean 8.43%	SD 3.73%	Total	20/586 (3.41%)	Mean 3.08%	SD 2.4%	
.....									
*Kidney: Pelvis and Transitional Epithelium:									
 Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	0/589 (0%)	Mean 0%	SD 0%	
.....									
*Kidney: Renal Tubule:									
 Adenoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		3/90 (3%)	0/50 (0%)	2/50 (4%)	1/90 (1%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	8/589 (1.36%)	Mean 1.22%	SD 1.52%	Total	2/589 (0.34%)	Mean 0.28%	SD 0.66%	
.....									
*Kidney: Renal Tubule:									
 Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/90 (1%)	0/50 (0%)	0/50 (0%)	1/90 (1%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.1%	SD 0.34%	Total	1/589 (0.17%)	Mean 0.1%	SD 0.34%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Kidney: Renal Tubule:											
 Carcinoma or Adenoma											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		3/90	(3%)	0/50	(0%)	2/50	(4%)	2/90	(2%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/49	(0%)
Overall Incidence	Total	8/589 (1.36%)		Mean 1.22%		SD 1.52%		Total		3/589 (0.51%)	
								Mean		0.38%	
								SD		0.86%	
.....											
*Kidney: Renal Tubule:											
 Hemangioma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)
Overall Incidence	Total	0/589 (0%)		Mean 0%		SD 0%		Total		1/589 (0.17%)	
								Mean		0.18%	
								SD		0.6%	
.....											
*Kidney: Renal Tubule:											
 Lipoma											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/90	(1%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.28%		SD 0.66%		Total		0/589 (0%)	
								Mean		0%	
								SD		0%	
.....											
*Kidney: Renal Tubule:											
 Liposarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total		0/589 (0%)	
								Mean		0%	
								SD		0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Kidney: Renal Tubule:											
 Oncocytoma Benign											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/90	(1%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.28%		SD 0.66%		Total		0/589 (0%)	
								Mean		0%	
								SD		0%	
.....											
*Kidney: Renal Tubule:											
 Polyp Adenomatous											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total		0/589 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Lacrimal Gland:											
 Carcinoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/589 (0%)		Mean 0%		SD 0%		Total		1/590 (0.17%)	
								Mean		0.18%	
								SD		0.6%	
.....											
*Liver:											
 Cholangioma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	1/50	(2%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/49	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total		3/588 (0.51%)	
								Mean		0.55%	
								SD		0.94%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Liver:											
Hemangioma											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total		0/588 (0%)	
								Mean		0%	
								SD		0%	
.....											
*Liver:											
Hepatocellular Adenoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	1/50	(2%)	7/90	(8%)	2/50	(4%)
		1/50	(2%)	0/50	(0%)			1/50	(2%)	0/49	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.36%		SD 0.81%		Total		16/588 (2.72%)	
								Mean		2.35%	
								SD		2.45%	
.....											
*Liver:											
Hepatocellular Carcinoma											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.37%		SD 0.82%		Total		0/588 (0%)	
								Mean		0%	
								SD		0%	
.....											
*Liver:											
Hepatocellular Carcinoma or Hepatoblastoma											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.37%		SD 0.82%		Total		0/588 (0%)	
								Mean		0%	
								SD		0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Liver:									
Hepatocellular Carcinoma or Hepatocellular Adenoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/49 (2%)		
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)		
		0/90 (0%)	0/50 (0%)	1/50 (2%)	7/90 (8%)	2/50 (4%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)		1/50 (2%)	0/49 (0%)			
Overall Incidence	Total	4/589 (0.68%)	Mean 0.73%	SD 1.01%	Total	16/588 (2.72%)	Mean 2.35%	SD 2.45%	
.....									
*Liver:									
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/49 (2%)		
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)		
		0/90 (0%)	0/50 (0%)	1/50 (2%)	7/90 (8%)	2/50 (4%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)		1/50 (2%)	0/49 (0%)			
Overall Incidence	Total	4/589 (0.68%)	Mean 0.73%	SD 1.01%	Total	16/588 (2.72%)	Mean 2.35%	SD 2.45%	
.....									
*Lung:									
Alveolar/Bronchiolar Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
		1/90 (1%)	1/50 (2%)	1/50 (2%)	0/90 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	4/589 (0.68%)	Mean 0.65%	SD 0.94%	Total	0/587 (0%)	Mean 0%	SD 0%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
		0/90 (0%)	0/50 (0%)	1/50 (2%)	0/90 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	3/589 (0.51%)	Mean 0.55%	SD 0.93%	Total	0/587 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Lung:									
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		1/49 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
		1/90 (1%)	1/50 (2%)	2/50 (4%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	7/589 (1.19%)	Mean 1.2%	SD 1.33%	Total	0/587 (0%)	Mean 0%	SD 0%	
.....									
#Mammary Gland:									
Adenolipoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/589 (0%)	Mean 0%	SD 0%	Total	1/590 (0.17%)	Mean 0.18%	SD 0.6%	
.....									
#Mammary Gland:									
Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	4/50 (8%)	0/50 (0%)	4/50 (8%)
		0/90 (0%)	0/50 (0%)	0/50 (0%)	8/90 (9%)	1/50 (2%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	0/589 (0%)	Mean 0%	SD 0%	Total	19/590 (3.22%)	Mean 2.81%	SD 3.29%	
.....									
#Mammary Gland:									
Adenocarcinoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)	8/50 (16%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		0/49 (0%)	2/50 (4%)	0/50 (0%)	4/50 (8%)	7/50 (14%)	5/50 (10%)	5/50 (10%)	5/50 (10%)
		0/90 (0%)	0/50 (0%)	0/50 (0%)	10/90 (11%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)			
Overall Incidence	Total	3/589 (0.51%)	Mean 0.55%	SD 1.29%	Total	44/590 (7.46%)	Mean 7.19%	SD 5%	

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#: Denominator is number of animals necropsied

		Male				Female			
#Mammary Gland:									
Adenoma or Adenocarcinoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	4/50 (8%)	8/50 (16%)	2/50 (4%)		
		0/49 (0%)	2/50 (4%)	0/50 (0%)	4/50 (8%)	7/50 (14%)	9/50 (18%)		
		0/90 (0%)	0/50 (0%)	0/50 (0%)	16/90 (18%)	3/50 (6%)	5/50 (10%)		
		0/50 (0%)	0/50 (0%)		1/50 (2%)	2/50 (4%)			
Overall Incidence	Total	3/589 (0.51%)	Mean 0.55%	SD 1.29%	Total	61/590 (10.34%)	Mean 9.8%	SD 5.8%	
.....									
#Mammary Gland:									
Fibroadenoma									
		3/50 (6%)	0/50 (0%)	2/50 (4%)	29/50 (58%)	25/50 (50%)	28/50 (56%)		
		1/49 (2%)	2/50 (4%)	2/50 (4%)	33/50 (66%)	32/50 (64%)	20/50 (40%)		
		2/90 (2%)	0/50 (0%)	0/50 (0%)	63/90 (70%)	28/50 (56%)	30/50 (60%)		
		2/50 (4%)	2/50 (4%)		29/50 (58%)	32/50 (64%)			
Overall Incidence	Total	16/589 (2.72%)	Mean 2.75%	SD 2.05%	Total	349/590 (59.15%)	Mean 58.36%	SD 8.24%	
.....									
#Mammary Gland:									
Fibroma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	0/589 (0%)	Mean 0%	SD 0%	Total	1/590 (0.17%)	Mean 0.18%	SD 0.6%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma or Adenoma									
		3/50 (6%)	0/50 (0%)	2/50 (4%)	29/50 (58%)	25/50 (50%)	29/50 (58%)		
		1/49 (2%)	2/50 (4%)	2/50 (4%)	33/50 (66%)	32/50 (64%)	23/50 (46%)		
		2/90 (2%)	0/50 (0%)	0/50 (0%)	64/90 (71%)	28/50 (56%)	32/50 (64%)		
		2/50 (4%)	2/50 (4%)		29/50 (58%)	33/50 (66%)			
Overall Incidence	Total	16/589 (2.72%)	Mean 2.75%	SD 2.05%	Total	357/590 (60.51%)	Mean 59.74%	SD 7.42%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Mammary Gland:									
Fibroma, Fibroadenoma, Adenocarcinoma, or Adenoma									
		3/50 (6%)	0/50 (0%)	3/50 (6%)	30/50 (60%)	29/50 (58%)	30/50 (60%)		
		1/49 (2%)	3/50 (6%)	2/50 (4%)	35/50 (70%)	36/50 (72%)	27/50 (54%)		
		2/90 (2%)	0/50 (0%)	0/50 (0%)	66/90 (73%)	29/50 (58%)	34/50 (68%)		
		2/50 (4%)	2/50 (4%)		30/50 (60%)	33/50 (66%)			
Overall Incidence	Total	18/589 (3.06%)	Mean 3.11%	SD 2.42%	Total	379/590 (64.24%)	Mean 63.58%	SD 6.52%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	1/50 (2%)	0/50 (0%)	2/90 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/589 (0.34%)	Mean 0.37%	SD 0.82%	Total	2/590 (0.34%)	Mean 0.2%	SD 0.67%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	1/50 (2%)	0/50 (0%)	2/90 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/589 (0.34%)	Mean 0.37%	SD 0.82%	Total	2/590 (0.34%)	Mean 0.2%	SD 0.67%	
.....									
#Oral Mucosa:									
Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	1/50 (2%)	0/50 (0%)	1/90 (1%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/589 (0.34%)	Mean 0.37%	SD 0.82%	Total	1/590 (0.17%)	Mean 0.1%	SD 0.34%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male			Female		
*Ovary:						
Cystadenoma						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		1/90	(1%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	0/48	(0%)	
Overall Incidence		Total	1/588 (0.17%)	Mean	0.1%	SD 0.34%
.....						
*Ovary:						
Granulosa Cell Tumor Benign						
		0/50	(0%)	1/50	(2%)	1/50 (2%)
		0/50	(0%)	0/50	(0%)	3/50 (6%)
		1/90	(1%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	0/48	(0%)	
Overall Incidence		Total	6/588 (1.02%)	Mean	1.01%	SD 1.84%
.....						
*Ovary:						
Granulosa Cell Tumor Malignant						
		0/50	(0%)	0/50	(0%)	1/50 (2%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		2/90	(2%)	1/50	(2%)	1/50 (2%)
		0/50	(0%)	0/48	(0%)	
Overall Incidence		Total	5/588 (0.85%)	Mean	0.75%	SD 1.04%
.....						
*Ovary:						
Granulosa Cell Tumor: Benign, Malignant, NOS						
		0/50	(0%)	1/50	(2%)	2/50 (4%)
		0/50	(0%)	0/50	(0%)	3/50 (6%)
		3/90	(3%)	1/50	(2%)	1/50 (2%)
		0/50	(0%)	0/48	(0%)	
Overall Incidence		Total	11/588 (1.87%)	Mean	1.76%	SD 2.03%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male		Female			
*Ovary:						
Granulosa-Theca Tumor Benign						
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/48 (0%)			
Overall Incidence	Total	1/588 (0.17%)	Mean 0.18%		SD 0.6%	
.....						
*Ovary:						
Granulosa-Theca Tumor Malignant						
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/48 (0%)			
Overall Incidence	Total	1/588 (0.17%)	Mean 0.18%		SD 0.6%	
.....						
*Ovary:						
Luteoma						
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/48 (0%)			
Overall Incidence	Total	1/588 (0.17%)	Mean 0.18%		SD 0.6%	
.....						
*Ovary:						
Schwannoma Malignant						
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/48 (0%)			
Overall Incidence	Total	1/588 (0.17%)	Mean 0.18%		SD 0.6%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

					Male						Female			
*Ovary:														
Sertoli Cell Tumor Benign														
					0/50	(0%)	0/50	(0%)	0/50	(0%)				
					0/50	(0%)	0/50	(0%)	0/50	(0%)				
					1/90	(1%)	0/50	(0%)	0/50	(0%)				
					0/50	(0%)	0/48	(0%)						
Overall Incidence					Total	1/588	(0.17%)	Mean	0.1%	SD	0.34%			
.....														
*Ovary:														
Thecoma Benign														
					0/50	(0%)	0/50	(0%)	0/50	(0%)				
					0/50	(0%)	0/50	(0%)	1/50	(2%)				
					0/90	(0%)	0/50	(0%)	0/50	(0%)				
					0/50	(0%)	0/48	(0%)						
Overall Incidence					Total	1/588	(0.17%)	Mean	0.18%	SD	0.6%			
.....														
*Pancreas:														
Adenoma														
			6/50	(12%)	1/49	(2%)	10/50	(20%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
			4/49	(8%)	5/50	(10%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
			18/90	(20%)	8/50	(16%)	14/50	(28%)	0/90	(0%)	0/50	(0%)	0/50	(0%)
			9/50	(18%)	4/50	(8%)			0/49	(0%)	0/48	(0%)		
Overall Incidence	Total	79/588	(13.44%)	Mean	12.93%	SD	8.39%	Total	0/586	(0%)	Mean	0%	SD	0%
.....														
*Pancreas:														
Adenocarcinoma														
			1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
			2/49	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
			1/90	(1%)	0/50	(0%)	1/50	(2%)	0/90	(0%)	0/50	(0%)	0/50	(0%)
			0/50	(0%)	0/50	(0%)			0/49	(0%)	0/48	(0%)		
Overall Incidence	Total	5/588	(0.85%)	Mean	0.84%	SD	1.35%	Total	0/586	(0%)	Mean	0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Pancreas:									
Adenoma or Adenocarcinoma									
		7/50 (14%)	1/49 (2%)	10/50 (20%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		6/49 (12%)	5/50 (10%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		18/90 (20%)	8/50 (16%)	14/50 (28%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		9/50 (18%)	4/50 (8%)		0/49 (0%)	0/48 (0%)			
Overall Incidence	Total	82/588 (13.95%)	Mean 13.48%	SD 8.24%	Total	0/586 (0%)	Mean 0%	SD 0%	
.....									
*Parathyroid Gland:									
Adenoma									
		0/49 (0%)	0/43 (0%)	0/42 (0%)	0/46 (0%)	0/42 (0%)	0/42 (0%)	0/42 (0%)	
		0/48 (0%)	0/49 (0%)	0/48 (0%)	0/45 (0%)	1/41 (2%)	0/45 (0%)	0/45 (0%)	
		1/83 (1%)	1/49 (2%)	0/43 (0%)	0/87 (0%)	0/48 (0%)	0/46 (0%)	0/46 (0%)	
		0/49 (0%)	0/44 (0%)		0/44 (0%)	1/43 (2%)			
Overall Incidence	Total	2/547 (0.37%)	Mean 0.3%	SD 0.68%	Total	2/529 (0.38%)	Mean 0.43%	SD 0.96%	
.....									
#Peripheral Nerve:									
Paraganglioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.19%	SD 0.62%	Total	0/590 (0%)	Mean 0%	SD 0%	
.....									
#Peripheral Nerve:									
Schwannoma Malignant									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.19%	SD 0.62%	Total	0/590 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Peripheral Nerve:									
Schwannoma: Benign, Malignant, NOS									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/589 (0.17%)	Mean 0.19%	SD 0.62%	Total	0/590 (0%)	Mean 0%	SD 0%	

*Pituitary Gland: Pars Distalis or Unspecified Site:									
Adenoma									
		12/50 (24%)	3/50 (6%)	4/50 (8%)	20/50 (40%)	13/49 (27%)	15/49 (31%)		
		15/48 (31%)	14/50 (28%)	11/50 (22%)	12/50 (24%)	19/50 (38%)	18/50 (36%)		
		17/89 (19%)	10/50 (20%)	8/50 (16%)	43/90 (48%)	21/50 (42%)	16/50 (32%)		
		7/50 (14%)	9/50 (18%)		11/50 (22%)	14/50 (28%)			
Overall Incidence	Total	110/587 (18.74%)	Mean 18.76%	SD 7.68%	Total	202/588 (34.35%)	Mean 33.36%	SD 8.1%	

*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/49 (2%)		
		0/48 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/89 (0%)	0/50 (0%)	1/50 (2%)	1/90 (1%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/587 (0.17%)	Mean 0.18%	SD 0.6%	Total	4/588 (0.68%)	Mean 0.65%	SD 0.94%	

*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma or Adenoma									
		12/50 (24%)	3/50 (6%)	4/50 (8%)	20/50 (40%)	13/49 (27%)	16/49 (33%)		
		15/48 (31%)	14/50 (28%)	11/50 (22%)	13/50 (26%)	19/50 (38%)	18/50 (36%)		
		17/89 (19%)	10/50 (20%)	9/50 (18%)	44/90 (49%)	21/50 (42%)	17/50 (34%)		
		7/50 (14%)	9/50 (18%)		11/50 (22%)	14/50 (28%)			
Overall Incidence	Total	111/587 (18.91%)	Mean 18.94%	SD 7.64%	Total	206/588 (35.03%)	Mean 34.01%	SD 8.02%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Pituitary Gland: Pars Intermedia:													
Adenoma													
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)
		0/48	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/89	(0%)	1/50	(2%)	1/50	(2%)	0/90	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	5/587 (0.85%)		Mean 0.91%		SD 1.38%		Total	1/588 (0.17%)		Mean 0.18%		SD 0.6%
.....													
*Pituitary Gland: Pars Intermedia:													
Carcinoma or Adenoma													
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)
		0/48	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/89	(0%)	1/50	(2%)	1/50	(2%)	0/90	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	5/587 (0.85%)		Mean 0.91%		SD 1.38%		Total	1/588 (0.17%)		Mean 0.18%		SD 0.6%
.....													
*Pituitary Gland: Pars Nervosa:													
Schwannoma Malignant													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)
		0/48	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/89	(0%)	0/50	(0%)	1/50	(2%)	0/90	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	1/587 (0.17%)		Mean 0.18%		SD 0.6%		Total	0/588 (0%)		Mean 0%		SD 0%
.....													
*Prostate:													
Adenoma													
		0/50	(0%)	1/50	(2%)	0/50	(0%)						
		1/49	(2%)	0/50	(0%)	0/50	(0%)						
		2/90	(2%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/50	(0%)								
Overall Incidence	Total	4/589 (0.68%)		Mean 0.57%		SD 0.98%							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
*Prostate:														
Adenoma or Adenocarcinoma														
		0/50	(0%)	1/50	(2%)	0/50	(0%)							
		1/49	(2%)	0/50	(0%)	0/50	(0%)							
		2/90	(2%)	0/50	(0%)	0/50	(0%)							
		0/50	(0%)	0/50	(0%)									
Overall Incidence	Total	4/589 (0.68%)		Mean 0.57%		SD 0.98%								
.....														
*Salivary Glands:														
Schwannoma Malignant														
		0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/49	(0%)	0/49	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	2/589 (0.34%)		Mean 0.36%		SD 1.21%		Total	0/586 (0%)		Mean 0%		SD 0%	
.....														
#Seminal Vesicle:														
Hemangiosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)							
		0/49	(0%)	0/50	(0%)	0/50	(0%)							
		0/90	(0%)	0/50	(0%)	1/50	(2%)							
		0/50	(0%)	0/50	(0%)									
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%								
.....														
#Skeletal Muscle:														
Hemangioma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/589 (0%)		Mean 0%		SD 0%		Total	1/590 (0.17%)		Mean 0.18%		SD 0.6%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female						
#Skeletal Muscle:												
Hemangiosarcoma												
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total	0/590 (0%)		Mean 0%	SD 0%
.....												
#Skeletal Muscle:												
Liposarcoma												
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/589 (0%)		Mean 0%		SD 0%		Total	1/590 (0.17%)		Mean 0.18%	SD 0.6%
.....												
#Skeletal Muscle:												
Sarcoma												
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total	0/590 (0%)		Mean 0%	SD 0%
.....												
#Skin:												
Basal Cell Adenoma												
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/90	(1%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	2/589 (0.34%)		Mean 0.29%		SD 0.67%		Total	1/590 (0.17%)		Mean 0.18%	SD 0.6%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Skin:											
Basal Cell Adenoma or Basosquamous Tumor Benign											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/90	(1%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.29%		SD 0.67%		Total	1/590 (0.17%)		Mean 0.18%
											SD 0.6%
#Skin:											
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/90	(1%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	3/589 (0.51%)		Mean 0.47%		SD 0.84%		Total	1/590 (0.17%)		Mean 0.18%
											SD 0.6%
#Skin:											
Basal Cell Carcinoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	1/50	(2%)	0/50	(0%)	0/90	(0%)	2/50	(4%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total	3/590 (0.51%)		Mean 0.55%
											SD 1.29%
#Skin:											
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	1/50	(2%)	0/50	(0%)	0/90	(0%)	2/50	(4%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total	3/590 (0.51%)		Mean 0.55%
											SD 1.29%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/90 (1%)	1/50 (2%)	0/50 (0%)		0/90 (0%)	3/50 (6%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	4/589 (0.68%)	Mean 0.65%	SD 0.94%	Total	4/590 (0.68%)	Mean 0.73%	SD 1.85%	

#Skin:									
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma									
		1/50 (2%)	1/50 (2%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		9/49 (18%)	4/50 (8%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		8/90 (9%)	5/50 (10%)	1/50 (2%)		0/90 (0%)	3/50 (6%)	0/50 (0%)	
		3/50 (6%)	4/50 (8%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	44/589 (7.47%)	Mean 7.39%	SD 4.69%	Total	5/590 (0.85%)	Mean 0.91%	SD 1.87%	

#Skin:									
Fibroma									
		4/50 (8%)	3/50 (6%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/49 (6%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/90 (2%)	2/50 (4%)	3/50 (6%)		2/90 (2%)	0/50 (0%)	1/50 (2%)	
		4/50 (8%)	2/50 (4%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	29/589 (4.92%)	Mean 5.12%	SD 2.4%	Total	4/590 (0.68%)	Mean 0.57%	SD 0.97%	

#Skin:									
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma									
		6/50 (12%)	3/50 (6%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		4/49 (8%)	3/50 (6%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		5/90 (6%)	3/50 (6%)	3/50 (6%)		5/90 (6%)	0/50 (0%)	3/50 (6%)	
		4/50 (8%)	3/50 (6%)			2/50 (4%)	1/50 (2%)		
Overall Incidence	Total	38/589 (6.45%)	Mean 6.52%	SD 2.41%	Total	14/590 (2.37%)	Mean 2.14%	SD 2.2%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma									
		6/50 (12%)	3/50 (6%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	1/50 (2%)		
		4/49 (8%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		5/90 (6%)	3/50 (6%)	3/50 (6%)	5/90 (6%)	0/50 (0%)	2/50 (4%)		
		4/50 (8%)	3/50 (6%)		2/50 (4%)	1/50 (2%)			
Overall Incidence	Total	38/589 (6.45%)	Mean 6.52%	SD 2.41%	Total	13/590 (2.2%)	Mean 1.96%	SD 1.91%	
.....									
#Skin:									
Fibrosarcoma									
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/90 (1%)	1/50 (2%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)			
Overall Incidence	Total	4/589 (0.68%)	Mean 0.65%	SD 0.94%	Total	4/590 (0.68%)	Mean 0.73%	SD 1.01%	
.....									
#Skin:									
Fibrosarcoma, Sarcoma, Myxosarcoma, or Malignant Fibrous Histiocytoma									
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)		
		1/49 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		3/90 (3%)	1/50 (2%)	0/50 (0%)	3/90 (3%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	1/50 (2%)		1/50 (2%)	1/50 (2%)			
Overall Incidence	Total	9/589 (1.53%)	Mean 1.4%	SD 1.48%	Total	9/590 (1.53%)	Mean 1.39%	SD 1.17%	
.....									
#Skin:									
Hemangioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	0/590 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Hemangiopericytoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/589 (0%)	Mean 0%	SD 0%	Total	1/590 (0.17%)	Mean 0.18%	SD 0.6%	
.....									
#Skin:									
Keratoacanthoma									
		1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		8/49 (16%)	2/50 (4%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		5/90 (6%)	2/50 (4%)	1/50 (2%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	3/50 (6%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	30/589 (5.09%)	Mean 5.08%	SD 4.02%	Total	0/590 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Lipoma									
		2/50 (4%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)		
		0/49 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/90 (2%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	10/589 (1.7%)	Mean 1.66%	SD 2.16%	Total	3/590 (0.51%)	Mean 0.55%	SD 0.93%	
.....									
#Skin:									
Liposarcoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	0/590 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Skin:											
Malignant Fibrous Histiocytoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	1/90	(1%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total		2/590 (0.34%)	
								Mean		0.28%	
								SD		0.66%	
.....											
#Skin:											
Neurofibrosarcoma or Schwannoma (malignant or NOS)											
		0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.36%		SD 1.21%		Total		2/590 (0.34%)	
								Mean		0.36%	
								SD		0.81%	
.....											
#Skin:											
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)											
		0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.36%		SD 1.21%		Total		2/590 (0.34%)	
								Mean		0.36%	
								SD		0.81%	
.....											
#Skin:											
Osteosarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/589 (0%)		Mean 0%		SD 0%		Total		1/590 (0.17%)	
								Mean		0.18%	
								SD		0.6%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Skin:											
Pilomatrixoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		3/49	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	3/589 (0.51%)		Mean 0.56%		SD 1.85%		Total		0/590 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Skin:											
Sarcoma											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		2/90	(2%)	0/50	(0%)	0/50	(0%)	2/90	(2%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	4/589 (0.68%)		Mean 0.57%		SD 0.97%		Total		3/590 (0.51%)	
								Mean		0.38%	
								SD		0.86%	
.....											
#Skin:											
Schwannoma Malignant											
		0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.36%		SD 1.21%		Total		2/590 (0.34%)	
								Mean		0.36%	
								SD		0.81%	
.....											
#Skin:											
Squamous Cell Carcinoma											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	2/589 (0.34%)		Mean 0.36%		SD 0.81%		Total		1/590 (0.17%)	
								Mean		0.18%	
								SD		0.6%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/90 (0%)	1/50 (2%)	0/50 (0%)		0/90 (0%)	2/50 (4%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	3/589 (0.51%)		Mean 0.55%	SD 0.93%	4/590 (0.68%)		Mean 0.73%	SD 1.35%

#Skin:									
Squamous Cell Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/90 (2%)	2/50 (4%)	0/50 (0%)		0/90 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	8/589 (1.36%)		Mean 1.29%	SD 1.63%	0/590 (0%)		Mean 0%	SD 0%

#Skin:									
Squamous Cell Papilloma or Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/90 (2%)	2/50 (4%)	0/50 (0%)		0/90 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	8/589 (1.36%)		Mean 1.29%	SD 1.63%	0/590 (0%)		Mean 0%	SD 0%

#Skin:									
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma									
		1/50 (2%)	1/50 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		8/49 (16%)	4/50 (8%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		7/90 (8%)	4/50 (8%)	1/50 (2%)		0/90 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)	4/50 (8%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	40/589 (6.79%)		Mean 6.74%	SD 4.1%	1/590 (0.17%)		Mean 0.18%	SD 0.6%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma									
		1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		8/49 (16%)	4/50 (8%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		7/90 (8%)	4/50 (8%)	1/50 (2%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)	3/50 (6%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	38/589 (6.45%)	Mean 6.37%	SD 4.15%	Total	0/590 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Trichoepithelioma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/589 (0.17%)	Mean 0.18%	SD 0.6%	Total	0/590 (0%)	Mean 0%	SD 0%	
.....									
#Skin: Sebaceous Gland:									
Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/90 (1%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	2/589 (0.34%)	Mean 0.28%	SD 0.66%	Total	0/590 (0%)	Mean 0%	SD 0%	
.....									
#Skin: Sebaceous Gland:									
Carcinoma or Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/90 (1%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	2/589 (0.34%)	Mean 0.28%	SD 0.66%	Total	0/590 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
*Spleen:															
Hemangiosarcoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/49	(2%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		3/90	(3%)	0/50	(0%)	0/50	(0%)	1/90	(1%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)			0/49	(0%)	0/49	(0%)				
Overall Incidence	Total	3/589 (0.51%)		Mean 0.3%		SD 1.01%		Total		2/587 (0.34%)		Mean 0.29%		SD 0.67%	
.....															
#Stomach, Forestomach:															
Sarcoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/90	(0%)	0/50	(0%)	0/50	(0%)	1/90	(1%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)				
Overall Incidence	Total	0/589 (0%)		Mean 0%		SD 0%		Total		1/589 (0.17%)		Mean 0.1%		SD 0.34%	
.....															
#Stomach, Forestomach:															
Squamous Cell Carcinoma or Papilloma Squamous															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/90	(1%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)				
Overall Incidence	Total	1/589 (0.17%)		Mean 0.1%		SD 0.34%		Total		0/589 (0%)		Mean 0%		SD 0%	
.....															
#Stomach, Forestomach:															
Squamous Cell Papilloma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/90	(1%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)				
Overall Incidence	Total	1/589 (0.17%)		Mean 0.1%		SD 0.34%		Total		0/589 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Testis:									
Adenoma									
		1/50	(2%)	7/50	(14%)	3/49	(6%)		
		2/49	(4%)	1/50	(2%)	0/50	(0%)		
		2/90	(2%)	0/50	(0%)	1/50	(2%)		
		0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	17/588 (2.89%)		Mean 2.95%		SD 4.14%			
.....									
*Thymus:									
Thymoma Benign									
		0/46	(0%)	0/48	(0%)	0/47	(0%)	0/49	(0%)
		0/48	(0%)	0/46	(0%)	0/48	(0%)	0/49	(0%)
		0/88	(0%)	0/48	(0%)	0/48	(0%)	1/87	(1%)
		0/49	(0%)	0/48	(0%)			0/50	(0%)
								0/43	(0%)
Overall Incidence	Total	0/564 (0%)		Mean 0%		SD 0%		Total	1/569 (0.18%)
								Mean	0.1%
								SD	0.35%
.....									
*Thymus:									
Thymoma Malignant									
		0/46	(0%)	0/48	(0%)	0/47	(0%)	0/49	(0%)
		0/48	(0%)	0/46	(0%)	0/48	(0%)	0/49	(0%)
		0/88	(0%)	0/48	(0%)	0/48	(0%)	1/87	(1%)
		0/49	(0%)	0/48	(0%)			0/50	(0%)
								0/43	(0%)
Overall Incidence	Total	0/564 (0%)		Mean 0%		SD 0%		Total	1/569 (0.18%)
								Mean	0.1%
								SD	0.35%
.....									
*Thymus:									
Thymoma: Benign, Malignant, NOS									
		0/46	(0%)	0/48	(0%)	0/47	(0%)	0/49	(0%)
		0/48	(0%)	0/46	(0%)	0/48	(0%)	0/49	(0%)
		0/88	(0%)	0/48	(0%)	0/48	(0%)	2/87	(2%)
		0/49	(0%)	0/48	(0%)			0/50	(0%)
								0/43	(0%)
Overall Incidence	Total	0/564 (0%)		Mean 0%		SD 0%		Total	2/569 (0.35%)
								Mean	0.21%
								SD	0.69%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Thyroid Gland: C-Cell: Adenoma									
		11/50 (22%)	13/50 (26%)	10/50 (20%)	9/50 (18%)	12/50 (24%)	8/49 (16%)		
		8/49 (16%)	7/50 (14%)	2/50 (4%)	12/50 (24%)	5/50 (10%)	2/50 (4%)		
		8/89 (9%)	8/50 (16%)	4/50 (8%)	6/90 (7%)	16/50 (32%)	5/50 (10%)		
		9/50 (18%)	8/50 (16%)		10/50 (20%)	6/50 (12%)			
Overall Incidence	Total	88/588 (14.97%)	Mean 15.39%	SD 6.43%	Total	91/589 (15.45%)	Mean 16.09%	SD 8.5%	
*Thyroid Gland: C-Cell: Carcinoma									
		1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/49 (0%)		
		1/49 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		2/89 (2%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)		2/50 (4%)	1/50 (2%)			
Overall Incidence	Total	9/588 (1.53%)	Mean 1.48%	SD 1.31%	Total	9/589 (1.53%)	Mean 1.64%	SD 1.75%	
*Thyroid Gland: C-Cell: Carcinoma or Adenoma									
		11/50 (22%)	14/50 (28%)	10/50 (20%)	9/50 (18%)	14/50 (28%)	8/49 (16%)		
		8/49 (16%)	8/50 (16%)	3/50 (6%)	13/50 (26%)	6/50 (12%)	2/50 (4%)		
		10/89 (11%)	8/50 (16%)	4/50 (8%)	6/90 (7%)	16/50 (32%)	7/50 (14%)		
		9/50 (18%)	8/50 (16%)		12/50 (24%)	7/50 (14%)			
Overall Incidence	Total	93/588 (15.82%)	Mean 16.14%	SD 6.22%	Total	100/589 (16.98%)	Mean 17.73%	SD 8.89%	
*Thyroid Gland: Follicular Cell: Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/89 (0%)	2/50 (4%)	0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/45 (0%)		1/50 (2%)	0/45 (0%)			
Overall Incidence	Total	3/583 (0.51%)	Mean 0.55%	SD 1.3%	Total	1/584 (0.17%)	Mean 0.18%	SD 0.6%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Thyroid Gland: Follicular Cell: Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/89 (0%)	0/50 (0%)	0/50 (0%)		1/90 (1%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/45 (0%)			0/50 (0%)	0/45 (0%)		
Overall Incidence	Total	0/583 (0%)	Mean 0%	SD 0%	Total	1/584 (0.17%)	Mean 0.1%	SD 0.34%	
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/89 (0%)	2/50 (4%)	0/50 (0%)		1/90 (1%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/45 (0%)			1/50 (2%)	0/45 (0%)		
Overall Incidence	Total	3/583 (0.51%)	Mean 0.55%	SD 1.3%	Total	2/584 (0.34%)	Mean 0.28%	SD 0.66%	
#Tissue NOS: Schwannoma Malignant									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/90 (1%)	0/50 (0%)	0/50 (0%)		1/90 (1%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/589 (0.17%)	Mean 0.1%	SD 0.34%	Total	1/590 (0.17%)	Mean 0.1%	SD 0.34%	
#Tongue: Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)		1/90 (1%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/589 (0%)	Mean 0%	SD 0%	Total	1/590 (0.17%)	Mean 0.1%	SD 0.34%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Tongue:											
Squamous Cell Carcinoma or Papilloma Squamous											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	1/90	(1%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/589 (0%)		Mean 0%		SD 0%		Total 1/590 (0.17%)		Mean 0.1%	
										SD 0.34%	
#Tooth:											
Odontoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/589 (0.17%)		Mean 0.18%		SD 0.6%		Total 0/590 (0%)		Mean 0%	
										SD 0%	
*Urinary Bladder:											
Leiomyosarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/89	(0%)	0/50	(0%)	0/50	(0%)	1/88	(1%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/46	(0%)
Overall Incidence	Total	0/588 (0%)		Mean 0%		SD 0%		Total 1/582 (0.17%)		Mean 0.1%	
										SD 0.34%	
#Uterus:											
Adenocarcinoma											
						2/50	(4%)	2/50	(4%)	3/50	(6%)
								5/50	(10%)	1/50	(2%)
								2/50	(4%)	3/50	(6%)
						3/50	(6%)	5/49	(10%)		
Overall Incidence	Total					26/449 (5.79%)		Mean 5.8%		SD 2.77%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male	Female
#Uterus:		
Adenocarcinoma or Adenoma		
	2/50 (4%)	2/50 (4%) 3/50 (6%)
		5/50 (10%) 1/50 (2%)
		4/50 (8%) 3/50 (6%)
	3/50 (6%)	5/49 (10%)
Overall Incidence	Total 28/449 (6.24%)	Mean 6.24% SD 2.76%
.....		
#Uterus:		
Adenoma		
	0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)
		2/50 (4%) 0/50 (0%)
	0/50 (0%)	0/49 (0%)
Overall Incidence	Total 2/449 (0.45%)	Mean 0.44% SD 1.33%
.....		
#Uterus:		
Adenoma, Adenocarcinoma, Sq Cell Carcinoma, or Sq Cell Papilloma		
	4/50 (8%)	2/50 (4%) 3/50 (6%)
		5/50 (10%) 2/50 (4%)
		4/50 (8%) 5/50 (10%)
	3/50 (6%)	7/49 (14%)
Overall Incidence	Total 35/449 (7.8%)	Mean 7.81% SD 3.3%
.....		
#Uterus:		
Deciduoma Benign		
	0/50 (0%)	0/50 (0%) 1/50 (2%)
		0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)
	0/50 (0%)	0/49 (0%)
Overall Incidence	Total 1/449 (0.22%)	Mean 0.22% SD 0.67%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male		Female			
#Uterus:						
Granular Cell Tumor Benign						
		0/50 (0%)	0/50 (0%)	1/50 (2%)		
			0/50 (0%)	0/50 (0%)		
			0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/49 (2%)			
Overall Incidence	Total	2/449 (0.45%)	Mean 0.45%		SD 0.89%	
.....						
#Uterus:						
Hemangioma						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		
			0/50 (0%)	0/50 (0%)		
			0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/49 (0%)			
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%		SD 0.67%	
.....						
#Uterus:						
Polyp Stromal						
		9/50 (18%)	5/50 (10%)	8/50 (16%)		
			8/50 (16%)	7/50 (14%)		
			2/50 (4%)	5/50 (10%)		
		5/50 (10%)	4/49 (8%)			
Overall Incidence	Total	53/449 (11.8%)	Mean 11.8%		SD 4.5%	
.....						
#Uterus:						
Sarcoma						
		0/50 (0%)	1/50 (2%)	0/50 (0%)		
			0/50 (0%)	0/50 (0%)		
			0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%		SD 0.67%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male		Female			
#Uterus:						
Sarcoma Stromal						
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
			0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/49 (0%)			
Overall Incidence		Total 1/449 (0.22%)	Mean 0.22%		SD 0.67%	
.....						
#Uterus:						
Sarcoma Stromal or Polyp Stromal						
		9/50 (18%)	5/50 (10%)	8/50 (16%)		
			8/50 (16%)	7/50 (14%)		
			2/50 (4%)	6/50 (12%)		
		5/50 (10%)	4/49 (8%)			
Overall Incidence		Total 54/449 (12.03%)	Mean 12.02%		SD 4.45%	
.....						
#Uterus:						
Schwannoma Malignant						
		0/50 (0%)	0/50 (0%)	1/50 (2%)		
			0/50 (0%)	0/50 (0%)		
			0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/49 (2%)			
Overall Incidence		Total 2/449 (0.45%)	Mean 0.45%		SD 0.89%	
.....						
#Uterus:						
Sq Cell Carcinoma or Papilloma Squamous						
		2/50 (4%)	0/50 (0%)	0/50 (0%)		
			0/50 (0%)	1/50 (2%)		
			0/50 (0%)	2/50 (4%)		
		0/50 (0%)	2/49 (4%)			
Overall Incidence		Total 7/449 (1.56%)	Mean 1.56%		SD 1.96%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male		Female			
#Uterus:						
Squamous Cell Carcinoma						
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
			0/50 (0%)	1/50 (2%)	1/50 (2%)	
			0/50 (0%)	2/50 (4%)	2/50 (4%)	
		0/50 (0%)	2/49 (4%)			
Overall Incidence	Total	6/449 (1.34%)	Mean	1.34%	SD	1.75%
.....						
#Uterus:						
Squamous Cell Papilloma						
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
			0/50 (0%)	0/50 (0%)	0/50 (0%)	
			0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	1/449 (0.22%)	Mean	0.22%	SD	0.67%
.....						
#Vagina:						
Granular Cell Tumor Benign						
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/47 (0%)			
Overall Incidence	Total	1/587 (0.17%)	Mean	0.18%	SD	0.6%
.....						
#Vagina:						
Polyp						
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/90 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/47 (0%)			
Overall Incidence	Total	1/587 (0.17%)	Mean	0.18%	SD	0.6%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female						
#Vagina:												
Sarcoma												
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
					0/90	(0%)	0/50	(0%)	0/50	(0%)		
					1/50	(2%)	0/47	(0%)				
Overall Incidence					Total	1/587	(0.17%)	Mean	0.18%	SD	0.6%	
.....												
#Vagina:												
Schwannoma Malignant												
					0/50	(0%)	0/50	(0%)	1/50	(2%)		
					0/50	(0%)	0/50	(0%)	1/50	(2%)		
					1/90	(1%)	1/50	(2%)	0/50	(0%)		
					0/50	(0%)	0/47	(0%)				
Overall Incidence					Total	4/587	(0.68%)	Mean	0.65%	SD	0.93%	
.....												
#Zymbal's Gland:												
Adenoma												
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/90	(0%)	0/50	(0%)	0/50	(0%)	0/90	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)			0/50	(0%)			
Overall Incidence	Total	2/589	(0.34%)	Mean	0.36%	SD	0.81%	Total	0/590	(0%)	Mean	0%
								SD	0%			
.....												
#Zymbal's Gland:												
Carcinoma												
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		1/49	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/90	(0%)	1/50	(2%)	1/50	(2%)	0/90	(0%)	0/50	(0%)	
		0/50	(0%)	2/50	(4%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	8/589	(1.36%)	Mean	1.46%	SD	1.3%	Total	0/590	(0%)	Mean	0%
								SD	0%			

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES

Vehicle: ALL VEHICLES

Page: 51

Report Date: 10/05/2022

		Male				Female			
#Zymbal's Gland:									
Carcinoma or Adenoma									
		2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/90 (0%)	1/50 (2%)	1/50 (2%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	10/589 (1.7%)	Mean 1.82%	SD 1.89%	Total	0/590 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied