

NDA 20-895

Sildenafil

Appendix C-Male-Mice

Male Mice

NDA 20-895, Sildenafil
Appendix C-Male-Mice

Table I_C-Male-Mice
Case Where All Doses Are Included

Test for Positive Dose-Response (Tumor) Linear Trend

Species: Mouse

15:05 Monday, February 2, 1998

Sex: Male

Sorted by: Organ Name

Organ Code	Organ Name	Tumor Code	Tumor Name	Exact-P	Asymp-P	AsyCor-P
56	Abdomen	348	B-HAEMANGIOMA	0.3958	0.1132	0.1349
56	Abdomen	381	M-HAEMANGIOSARCOMA	0.5043	0.5457	0.5919
7	Adrenal	321	B-CORTICAL ADENOMA	0.8742	0.8472	0.8589
7	Adrenal	285	B-SUBCAPSULAR CELL ADENOM	0.1765	0.0215	0.0295
54	Bone, uns.	98	M-OSTEOSARCOMA	0.1667	0.0181	0.0202
28	Brain	306	M-ASTROCYTOMA	1.0000	0.7810	0.8156
23	Duodenum	389	M-ADENOCARCINOMA	1.0000	0.7555	0.7969
37	Harderian gland	258	B-ADENOMA	0.4884	0.4732	0.4872
1	Kidney	266	B-RENAL TUBULE ADENOMA	0.3768	0.3070	0.3326
3	Liver	332	B-HAEMANGIOMA	0.1385	0.0838	0.0939
3	Liver	356	B-HEPATOCELLULAR ADENOMA	0.8330	0.8230	0.8290
3	Liver	309	M-HAEMANGIOSARCOMA	0.7168	0.6997	0.7301
3	Liver	318	M-HEPATOCELLULAR CARCINOM	0.8953	0.8627	0.8695
33	Lungs	154	B-BRONCHIOLAR-ALVEOLAR AD	0.9704	0.9627	0.9639
33	Lungs	149	M-BRONCHIOLAR-ALVEOLAR CA	0.4082	0.4033	0.4096
58	Lymphoreticular	244	M-HISTIOCYTIC SARCOMA	0.2572	0.2230	0.2326
58	Lymphoreticular	234	M-IMMUNOBLASTIC LYMPHOMA	1.0000	0.8496	0.8581
58	Lymphoreticular	183	M-LYMPHOBLASTIC LYMPHOMA	0.3860	0.3328	0.3430
12	Oesophagus	398	B-SQUAMOUS CELL PAPILLOMA	0.4043	0.1173	0.1396
8	Pituitary	354	B-ADENOMA, PARS DISTALIS	1.0000	0.8211	0.8472
27	Prostate	403	M-ADENOCARCINOMA	0.4524	0.4575	0.5116
31	Skin and adnexa	375	B-FIBROUS HISTIOCYTOMA	0.3750	0.4311	0.4494
31	Skin and adnexa	204	M-FIBROUS HISTIOCYTOMA, M	0.5441	0.6216	0.6432
19	Spleen	330	B-HAEMANGIOMA	1.0000	0.8259	0.8369
14	Testes	391	B-HAEMANGIOMA	0.7351	0.7446	0.7708
14	Testes	371	B-INTERSTITIAL CELL ADENO	0.9493	0.8899	0.8954
9	Thyroid	402	B-FOLLICULAR CELL ADENOMA	0.5434	0.6271	0.6667
26	Urinary bladder	370	B-TRANSITIONAL CELL PAPIL	1.0000	0.7589	0.7992

Appendix C-Male Mice

Table II_C_Male_Mice
Case Where All Doses Are Included

Analysis of Carcinogenic Potential in Male Mouse
Test of Dose-Response (Tumor) Positive Linear Trend
Ted Guo, PH.D, CDER/FDA

Run Date & Time: January 29, 1998 (15:46)

Source: E:\MOUSE\m_mouse3.fil

Note: Dose Levels Included: CTRL1 CTRL2 LOW MED HIGH (0 0 3 10 30)
Missing value in Tumor-Caused Death is treated as tumor not causing death
Tumor Type: IN: Incidental (nonfatal) tumor, FA: Fatal tumor.

ORGAN/TISSUE NAME AND TUMOR NAME	(ORG#) (THR#)	TUMOR TIME TYPES STRATA	ROW NO.	2xC CONTINGENCY -----TABLE-----	EXACT PROB	ASYMP TOTIC	ASYMP(CONTI NUITY CORR)	=PR(STATISTIC.GE.OBSERVED)
Kidney	(1) IN 81-92	1	0 0 0 1 0	0.3768	0.3070	0.3326	
B-RENAL TUBULE ADENOMA	(266	) IN 81-92	2	13 10 6 18 0			
		IN 93-93	1	0 1 1 0 0				
		IN 93-93	2	21 25 22 15 0				
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0 1 1 1 0				
Oesophagus	(12) IN 81-92	1	0 0 0 1 0	0.4043	0.1173	0.1396	
B-SQUAMOUS CELL PAPILLOMA	(398	) IN 81-92	2	12 10 6 18 0			
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0 0 0 1 0				
Testes	(14) IN 65-80	1	0 0 2 0 0	0.9493	0.8899	0.8954	
B-INTERSTITIAL CELL ADENO	(371	) IN 65-80	2	9 11 13 11 10			
		IN 93-93	1	3 1 0 0 0				
		IN 93-93	2	18 25 23 15 0				
Spontaneous tumor rate 4% in ctrl. - Total			-	3 1 2 0 0				
Testes	(14) IN 81-92	1	1 0 0 0 0	0.7351	0.7446	0.7708	
B-HAEMANGIOMA	(391	) IN 81-92	2	12 10 6 19 0			
		IN 93-93	1	0 0 1 0 0				
		IN 93-93	2	21 26 22 15 0				
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1 0 1 0 0				
Spleen	(19) IN 65-80	1	0 1 0 0 0	1.0000	0.8259	0.8369	
B-HAEMANGIOMA	(330	) IN 65-80	2	9 10 15 11 10			
		IN 93-93	1	0 1 0 0 0				
		IN 93-93	2	21 25 23 15 0				
Spontaneous tumor rate 2% in ctrl. - Total			-	0 2 0 0 0				
Duodenum	(23) IN 93-93	1	1 0 0 0 0	1.0000	0.7555	0.7969	
M-ADENOCARCINOMA	(389	) IN 93-93	2	20 26 23 14 0			
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1 0 0 0 0				
Urinary bladder	(26) IN 93-93	1	1 0 0 0 0	1.0000	0.7589	0.7992	
B-TRANSITIONAL CELL PAPIL	(370	) IN 93-93	2	20 26 23 15 0			
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1 0 0 0 0				

Appendix C-Female Mice: Table II_Male Mice (Continued)

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Prostate	(27) IN 93-93	1	0	0	1	0	0	0.4524	0.4575	0.5116
M-ADENOCARCINOMA	(403) IN 93-93	2	20	26	22	15	0			
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0	0	1	0	0			
Brain	(28	) FA 73	1	1	0	0	0	0	1.0000	0.7810	0.8156
M-ASTROCYTOMA	(306	) FA 73	2	40	42	39	39	0			
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1	0	0	0	0			
Liver	(3	) IN 93-93	1	0	0	1	0	0	0.7168	0.6997	0.7301
M-HAEMANGIOSARCOMA	(309	) IN 93-93	2	21	26	22	15	0			
		FA 84	1	1	0	0	0	0			
		FA 84	2	29	33	27	33	0			
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1	0	1	0	0			
Liver	(3	) IN 65-80	1	0	1	0	0	0	0.8953	0.8627	0.8695
M-HEPATOCELLULAR CARCINOM	(318	) IN 65-80	2	9	9	14	11	10			
		IN 81-92	1	0	1	0	0	0			
		IN 81-92	2	12	9	6	18	0			
		IN 93-93	1	2	0	1	0	0			
		IN 93-93	2	19	26	22	15	0			
		FA 79	1	0	1	0	0	0			
		FA 79	2	36	37	33	34	0			
		FA 80	1	0	0	1	0	0			
		FA 80	2	34	36	31	34	0			
		FA 83	1	1	0	0	0	0			
		FA 83	2	30	35	27	33	0			
		FA 92	1	0	0	0	1	0			
		FA 92	2	22	27	24	23	0			
Spontaneous tumor rate 5% in ctrl. - Total			-	3	3	2	1	0			
Liver	(3	) IN 93-93	1	0	0	1	1	0	0.1385	0.0838	0.0939
B-HAEMANGIOMA	(332	) IN 93-93	2	21	26	22	14	0			
		FA 90	1	1	0	0	0	0			
		FA 90	2	23	28	24	30	0			
		FA 91	1	0	0	0	1	0			
		FA 91	2	23	27	24	27	0			
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1	0	1	2	0			
Liver	(3	) IN 65-80	1	0	1	1	0	0	0.8330	0.8230	0.8290
B-HEPATOCELLULAR ADENOMA	(356	) IN 65-80	2	9	9	14	11	10			
		IN 81-92	1	0	0	1	1	0			
		IN 81-92	2	13	10	5	17	0			
		IN 93-93	1	4	5	3	1	0			
		IN 93-93	2	17	21	20	14	0			
		FA 79	1	0	1	0	0	0			
		FA 79	2	36	37	33	34	0			
		FA 92	1	0	0	0	1	0			
		FA 92	2	22	27	24	23	0			
Spontaneous tumor rate 10% in ctrl. - Total			-	4	7	5	3	0			
Skin and adnexa	(31	) FA 56	1	0	0	1	0	0	0.5441	0.6216	0.6432
M-FIBROUS HISTIOCYTOMA, M	(204	) FA 56	2	43	50	46	45	19			
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0	0	1	0	0			
Skin and adnexa	(31	) IN 65-80	1	0	0	0	1	0	0.3750	0.4311	0.4494
B-FIBROUS HISTIOCYTOMA	(375	) IN 65-80	2	9	11	15	10	10			
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0	0	0	1	0			
Lungs	(33	) IN 41-64	1	0	0	0	0	1	0.4082	0.4033	0.4096
M-BRONCHIOLAR-ALVEOLAR CA	(149	) IN 41-64	2	3	3	5	3	26			
		IN 65-80	1	0	0	1	2	0			
		IN 65-80	2	9	10	12	9	10			
		IN 93-93	1	1	5	3	2	0			
		IN 93-93	2	20	21	20	13	0			
		FA 73	1	0	0	1	0	0			

Appendix C-Female Mice: Table II_Male Mice (Continued)

FA 73	2	41	42	38	39	0			
FA 77	1	0	0	1	0	0			
FA 77	2	36	39	36	35	0			
FA 79	1	0	1	0	0	0			
FA 79	2	36	37	33	34	0			
FA 82	1	1	0	0	0	0			
FA 82	2	33	36	29	34	0			
FA 85	1	0	1	0	0	0			
FA 85	2	28	32	27	33	0			
FA 86	1	0	1	0	0	0			
FA 86	2	27	30	26	33	0			
FA 89	1	0	0	0	1	0			
FA 89	2	26	29	24	31	0			
FA 90	1	0	0	0	1	0			
FA 90	2	24	28	24	29	0			
Spontaneous tumor rate 9% in ctrl. - Total	-	2	8	6	6	1			
Lungs (33)) IN 41-64	1	0	0	1	0	0	0.9704	0.9627	0.9639
B-BRONCHIOLAR-ALVEOLAR AD (154)) IN 41-64	2	3	3	4	3	27			
IN 65-80	1	1	1	1	2	0			
IN 65-80	2	8	10	14	9	10			
IN 81-92	1	4	0	1	4	0			
IN 81-92	2	9	10	5	15	0			
IN 93-93	1	4	7	5	0	0			
IN 93-93	2	17	19	18	15	0			
Spontaneous tumor rate 15% in ctrl. - Total	-	9	8	8	6	0			
Harderian gland (37)) IN 81-92	1	1	1	2	2	0	0.4884	0.4732	0.4872
B-ADENOMA (258)) IN 81-92	2	12	9	4	17	0			
IN 93-93	1	2	1	3	1	0			
IN 93-93	2	19	25	20	14	0			
Spontaneous tumor rate 5% in ctrl. - Total	-	3	2	5	3	0			
Bone, uns. (54)) FA 38	1	0	0	0	0	1	0.1667	0.0181	0.0202
M-OSTEOSARCOMA (98)) FA 38	2	46	52	49	48	38			
Spontaneous tumor rate LE 1% in ctrl. - Total	-	0	0	0	0	1			
Abdomen (56)) IN 81-92	1	0	0	0	1	0	0.3958	0.1132	0.1349
B-HAEMANGIOMA (348)) IN 81-92	2	13	10	6	18	0			
Spontaneous tumor rate LE 1% in ctrl. - Total	-	0	0	0	1	0			
Abdomen (56)) FA 86	1	0	0	1	0	0	0.5043	0.5457	0.5919
M-HAEMANGIOSARCOMA (381)) FA 86	2	27	31	25	33	0			
Spontaneous tumor rate LE 1% in ctrl. - Total	-	0	0	1	0	0			
Lymphoreticular (58)) IN 41-64	1	0	0	0	0	1	0.3860	0.3328	0.3430
M-LYMPHOBLASTIC LYMPHOMA (183)) IN 41-64	2	3	3	5	3	26			
IN 81-92	1	0	0	1	0	0			
IN 81-92	2	13	10	4	19	0			
IN 93-93	1	1	2	0	2	0			
IN 93-93	2	20	24	23	13	0			
FA 66	1	0	1	0	0	0			
FA 66	2	42	45	44	45	0			
FA 67	1	1	0	0	0	0			
FA 67	2	41	45	43	44	0			
FA 79	1	0	0	1	0	0			
FA 79	2	36	38	32	34	0			
FA 86	1	0	0	1	0	0			
FA 86	2	27	31	25	33	0			
Spontaneous tumor rate 5% in ctrl. - Total	-	2	3	3	2	1			
Lymphoreticular (58)) IN 0-40	1	1	0	0	0	0	1.0000	0.8496	0.8581
M-IMMUNOBLASTIC LYMPHOMA (234)) IN 0-40	2	8	5	6	7	18			
Spontaneous tumor rate LE 1% in ctrl. - Total	-	1	0	0	0	0			

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Lymphoreticular	(58) IN 65-80	1	0	0	1	0	0	0.2572 0.2230 0.2326
M-HISTIOCYTIC SARCOMA	(244) IN 65-80	2	9	10	14	11	10	
		FA 64	1	0	0	0	0	1	
		FA 64	2	43	47	44	45	11	
		FA 65	1	0	1	0	0	0	
		FA 65	2	43	46	44	45	10	
		FA 82	1	1	0	0	0	0	
		FA 82	2	33	36	29	34	0	
Spontaneous tumor rate 2%		in ctrl. - Total	-	1	1	1	0	1	
Adrenal	(7) IN 93-93	1	0	0	0	1	0		-0.1765 0.0215 0.0295
B-SUBCAPSULAR CELL ADENOM	(285	) IN 93-93	2	21	26	23	14	0
Spontaneous tumor rate LE 1%		in ctrl. - Total	-	0	0	0	1	0	
Adrenal	(7) IN 81-92	1	1	1	0	0	0	0.8742 0.8472 0.8589
B-CORTICAL ADENOMA	(321	) IN 81-92	2	12	9	6	19	0
		IN 93-93	1	0	1	3	0	0	
		IN 93-93	2	21	25	20	15	0	
Spontaneous tumor rate 3%		in ctrl. - Total	-	1	2	3	0	0	
Pituitary	(8) IN 81-92	1	0	1	0	0	0	1.0000 0.8211 0.8472
B-ADENOMA, PARS DISTALIS	(354	) IN 81-92	2	13	9	4	19	0
Spontaneous tumor rate LE 1%		in ctrl. - Total	-	0	1	0	0	0	
Thyroid	(9) IN 81-92	1	0	0	1	0	0	0.5434 0.6271 0.6667
B-FOLLICULAR CELL ADENOMA	(402	) IN 81-92	2	12	9	5	19	0
Spontaneous tumor rate LE 1%		in ctrl. - Total	-	0	0	1	0	0	

**NDA 20-895, Sildenafil
Appendix C-Male-Mice**

**Table III_C-Male-Mice
Case Where High Dose Is Excluded**

Test for Positive Dose-Response (Tumor) Linear Trend
Species: Mouse
Sex: Male
15:05 Monday, February 2, 1998
Sorted by: Organ Name

Organ Code	Organ Name	Tumor Code	Tumor Name	Exact-P	Asymp-P	AsyCor-P
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7	Adrenal	285	B-SUBCAPSULAR CELL ADENOM	0.1765	0.0215	0.0295
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1	Kidney	266	B-RENAL TUBULE ADENOMA	0.3768	0.3070	0.3326
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33	Lungs	154	B-BRONCHIOLAR-ALVEOLAR AD	0.7960	0.7852	0.7924
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58	Lymphoreticular	244	M-HISTIOCYTIC SARCOMA	0.8882	0.8367	0.8536
58	Lymphoreticular	234	M-IMMUNOBLASTIC LYMPHOMA	1.0000	0.7834	0.8169
12	Oesophagus	183	M-LYMPHOBLASTIC LYMPHOMA	0.5659	0.5449	0.5607
8	Pituitary	398	B-SQUAMOUS CELL PAPILLOMA	0.4043	0.1173	0.1396
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31	Skin and adnexa	375	B-FIBROUS HISTIOCYTOMA	0.2391	0.0461	0.0597
19	Spleen	204	M-FIBROUS HISTIOCYTOMA, M	0.4973	0.5192	0.5681
14	Testes	330	B-HAEMANGIOMA	1.0000	0.8655	0.8846
14	Testes	391	B-HAEMANGIOMA	0.7351	0.7446	0.7708
9	Thyroid	371	B-INTERSTITIAL CELL ADENO	0.9245	0.8885	0.8987
26	Urinary bladder	402	B-FOLLICULAR CELL ADENOMA	0.5434	0.6271	0.6667
		370	B-TRANSITIONAL CELL PAPIL	1.0000	0.7589	0.7992

Appendix C-Male Mice

Table IV_C_Male_Mice
Case Where the High Dose is Excluded

Analysis of Carcinogenic Potential in Male Mouse
Test of Dose-Response (Tumor) Positive Linear Trend
Ted Guo, PH.D, CDER/FDA

Run Date & Time: January 29, 1998 (16:26)

Source: E:\MOUSE\m_mouse3.fil

Note: Dose Levels Included: CTRL1 CTRL2 LOW MED (0 0 3 10)

Missing value in Tumor-Caused Death is treated as tumor not causing death

Tumor Type: IN: Incidental (nonfatal) tumor, FA: Fatal tumor.

ORGAN/TISSUE NAME AND TUMOR NAME	(ORG#) (TMR#)	TUMOR TIME TYPES STRATA	ROW NO.	2xC_CONTINGENCY -----TABLE-----	EXACT PROB	ASYMP TOTIC	ASYMP(CONTI NUITY CORR)	=PR(STATISTIC.GE.OBSERVED)
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		IN 93-93	1	0 1 1 0				
		IN 93-93	2	21 25 22 15				
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0 1 1 1				
Oesophagus	(12	) IN 81-92	1	0 0 0 1	0.4043	0.1173	0.1396	
B-SQUAMOUS CELL PAPILLOMA	(398	) IN 81-92	2	12 10 6 18				
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0 0 0 1				
Testes	(14	) IN 65-80	1	0 0 2 0	0.9245	0.8885	0.8987	
B-INTERSTITIAL CELL ADENO	(371	) IN 65-80	2	9 11 13 11				
		IN 93-93	1	3 1 0 0				
		IN 93-93	2	18 25 23 15				
Spontaneous tumor rate 4% in ctrl. - Total			-	3 1 2 0				
Testes	(14	) IN 81-92	1	1 0 0 0	0.7351	0.7446	0.7708	
B-HAEMANGIOMA	(391	) IN 81-92	2	12 10 6 19				
		IN 93-93	1	0 0 1 0				
		IN 93-93	2	21 26 22 15				
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1 0 1 0				
Spleen	(19	) IN 65-80	1	0 1 0 0	1.0000	0.8655	0.8846	
B-HAEMANGIOMA	(330	) IN 65-80	2	9 10 15 11				
		IN 93-93	1	0 1 0 0				
		IN 93-93	2	21 25 23 15				
Spontaneous tumor rate 2% in ctrl. - Total			-	0 2 0 0				
Duodenum	(23	) IN 93-93	1	1 0 0 0	1.0000	0.7555	0.7969	
M-ADENOCARCINOMA	(389	) IN 93-93	2	20 26 23 14				
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1 0 0 0				
Urinary bladder	(26	) IN 93-93	1	1 0 0 0	1.0000	0.7589	0.7992	
B-TRANSITIONAL CELL PAPIL	(370	) IN 93-93	2	20 26 23 15				
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1 0 0 0				
Prostate	(27	) IN 93-93	1	0 0 1 0	0.4524	0.4575	0.5116	
M-ADENOCARCINOMA	(403	) IN 93-93	2	20 26 22 15				
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0 0 1 0				
Brain	(28) FA 73	1	1 0 0 0	1.0000	0.7810	0.8156	

Appendix C-Male Mice: Table IV_Male Mice (Continued)

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M-ASTROCYTOMA	(306) FA 73	2	40	42	39	39	
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1	0	0	0	
Liver	(3	) IN 93-93	1	0	0	1	0	0.7168 0.6997 0.7301
M-HAEMANGIOSARCOMA	(309	) IN 93-93	2	21	26	22	15	
		FA 84	1	1	0	0	0	
		FA 84	2	29	33	27	33	
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1	0	1	0	
Liver	(3	) IN 65-80	1	0	1	0	0	0.8714 0.8466 0.8563
M-HEPATOCELLULAR CARCINOM	(318	) IN 65-80	2	9	9	14	11	
		IN 81-92	1	0	1	0	0	
		IN 81-92	2	12	9	6	18	
		IN 93-93	1	2	0	1	0	
		IN 93-93	2	19	26	22	15	
		FA 79	1	0	1	0	0	
		FA 79	2	36	37	33	34	
		FA 80	1	0	0	1	0	
		FA 80	2	34	36	31	34	
		FA 83	1	1	0	0	0	
		FA 83	2	30	35	27	33	
		FA 92	1	0	0	0	1	
		FA 92	2	22	27	24	23	
Spontaneous tumor rate 5% in ctrl. - Total			-	3	3	2	1	
Liver	(3	) IN 93-93	1	0	0	1	1	0.1385 0.0838 0.0939
B-HAEMANGIOMA	(332	) IN 93-93	2	21	26	22	14	
		FA 90	1	1	0	0	0	
		FA 90	2	23	28	24	30	
		FA 91	1	0	0	0	1	
		FA 91	2	23	27	24	27	
Spontaneous tumor rate LE 1% in ctrl. - Total			-	1	0	1	2	
Liver	(3	) IN 65-80	1	0	1	1	0	0.7510 0.7369 0.7470
B-HEPATOCELLULAR ADENOMA	(356	) IN 65-80	2	9	9	14	11	
		IN 81-92	1	0	0	1	1	
		IN 81-92	2	13	10	5	17	
		IN 93-93	1	4	5	3	1	
		IN 93-93	2	17	21	20	14	
		FA 79	1	0	1	0	0	
		FA 79	2	36	37	33	34	
		FA 92	1	0	0	0	1	
		FA 92	2	22	27	24	23	
Spontaneous tumor rate 10% in ctrl. - Total			-	4	7	5	3	
Skin and adnexa	(31	) FA 56	1	0	0	1	0	0.4973 0.5192 0.5681
M-FIBROUS HISTIOCYTOMA, M	(204	) FA 56	2	43	50	46	45	
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0	0	1	0	
Skin and adnexa	(31	) IN 65-80	1	0	0	0	1	0.2391 0.0461 0.0597
B-FIBROUS HISTIOCYTOMA	(375	) IN 65-80	2	9	11	15	10	
Spontaneous tumor rate LE 1% in ctrl. - Total			-	0	0	0	1	
Lungs	(33	) IN 65-80	1	0	0	1	2	0.2512 0.2368 0.2455
M-BRONCHIOLAR-ALVEOLAR CA	(149	) IN 65-80	2	9	10	12	9	
		IN 93-93	1	1	5	3	2	
		IN 93-93	2	20	21	20	13	
		FA 73	1	0	0	1	0	
		FA 73	2	41	42	38	39	
		FA 77	1	0	0	1	0	
		FA 77	2	36	39	36	35	
		FA 79	1	0	1	0	0	
		FA 79	2	36	37	33	34	
		FA 82	1	1	0	0	0	
		FA 82	2	33	36	29	34	
		FA 85	1	0	1	0	0	
		FA 85	2	28	32	27	33	

	FA 86	1	0	1	0	0	
	FA 86	2	27	30	26	33	
	FA 89	1	0	0	0	1	
	FA 89	2	26	29	24	31	
	FA 90	1	0	0	0	1	
	FA 90	2	24	28	24	29	
Spontaneous tumor rate 9%	in ctrl. - Total	-	2	8	6	6	
Lungs	(33) IN 41-64	1	0	0	1	0	0.7960 0.7852 0.7924
B-BRONCHIOLAR-ALVEOLAR AD	(154) IN 41-64	2	3	3	4	3	
	IN 65-80	1	1	1	1	2	
	IN 65-80	2	8	10	14	9	
	IN 81-92	1	4	0	1	4	
	IN 81-92	2	9	10	5	15	
	IN 93-93	1	4	7	5	0	
	IN 93-93	2	17	19	18	15	
Spontaneous tumor rate 15%	in ctrl. - Total	-	9	8	8	6	
Harderian gland	(37) IN 81-92	1	1	1	2	2	0.4884 0.4732 0.4872
B-ADENOMA	(258) IN 81-92	2	12	9	4	17	
	IN 93-93	1	2	1	3	1	
	IN 93-93	2	19	25	20	14	
Spontaneous tumor rate 5%	in ctrl. - Total	-	3	2	5	3	
Abdomen	(56) IN 81-92	1	0	0	0	1	0.3958 0.1132 0.1349
B-HAEMANGIOMA	(348) IN 81-92	2	13	10	6	18	
Spontaneous tumor rate LE 1%	in ctrl. - Total	-	0	0	0	1	
Abdomen	(56) FA 86	1	0	0	1	0	0.5043 0.5457 0.5919
M-HAEMANGIOSARCOMA	(381) FA 86	2	27	31	25	33	
Spontaneous tumor rate LE 1%	in ctrl. - Total	-	0	0	1	0	
Lymphoreticular	(58) IN 81-92	1	0	0	1	0	0.5659 0.5449 0.5607
M-LYMPHOBLASTIC LYMPHOMA	(183) IN 81-92	2	13	10	4	19	
	IN 93-93	1	1	2	0	2	
	IN 93-93	2	20	24	23	13	
	FA 66	1	0	1	0	0	
	FA 66	2	42	45	44	45	
	FA 67	1	1	0	0	0	
	FA 67	2	41	45	43	44	
	FA 79	1	0	0	1	0	
	FA 79	2	36	38	32	34	
	FA 86	1	0	0	1	0	
	FA 86	2	27	31	25	33	
Spontaneous tumor rate 5%	in ctrl. - Total	-	2	3	3	2	
Lymphoreticular	(58) IN 0-40	1	1	0	0	0	1.0000 0.7834 0.8169
M-IMMUNOBLASTIC LYMPHOMA	(234) IN 0-40	2	8	5	6	7	
Spontaneous tumor rate LE 1%	in ctrl. - Total	-	1	0	0	0	
Lymphoreticular	(58) IN 65-80	1	0	0	1	0	0.8882 0.8367 0.8536
M-HISTIOCYTIC SARCOMA	(244) IN 65-80	2	9	10	14	11	
	FA 65	1	0	1	0	0	
	FA 65	2	43	46	44	45	
	FA 82	1	1	0	0	0	
	FA 82	2	33	36	29	34	
Spontaneous tumor rate 2%	in ctrl. - Total	-	1	1	1	0	
Adrenal	(7) IN 93-93	1	0	0	0	1	0.1765 0.0215 0.0295
B-SUBCAPSULAR CELL ADENOM	(285) IN 93-93	2	21	26	23	14	
Spontaneous tumor rate LE 1%	in ctrl. - Total	-	0	0	0	1	
Adrenal	(7) IN 81-92	1	1	1	0	0	0.8742 0.8472 0.8589
B-CORTICAL ADENOMA	(321) IN 81-92	2	12	9	6	19	
	IN 93-93	1	0	1	3	0	
	IN 93-93	2	21	25	20	15	
Spontaneous tumor rate 3%	in ctrl. - Total	-	1	2	3	0	

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Pituitary	(8) IN 81-92	1	0	1	0	0	1.0000	0.8211	0.8472
B-ADENOMA, PARS DISTALIS	(354) IN 81-92	2	13	9	4	19			
Spontaneous tumor rate LE	1% in ctrl.	- Total	-	0	1	0	0			
Thyroid	(9	) IN 81-92	1	0	0	1	0	0.5434	0.6271	0.6667
B-FOLLICULAR CELL ADENOMA	(402	) IN 81-92	2	12	9	5	19			
Spontaneous tumor rate LE	1% in ctrl.	- Total	-	0	0	1	0			