

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:37:59
First Dose M/F: NA / NA
Lab: MBA

C Number:	C20537
Lock Date:	11/19/2007
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male
PWG Approval Date	NONE

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Date Report Requested: 10/19/2014
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 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 VEHCONTRCOHRTA**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	2
	0	0	0	0	0
	1	3	4	5	2

*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

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

**F 344/N Rat Male
 VEHCONTRCOHRTA**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	2
	0	0	0	0	0
	1	3	4	5	2

***TOTALS**

Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5

Hematopoietic System

Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

Integumentary System

Mammary Gland	+	+	I	+	+	4
Skin	+	+	+	+	+	5

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F 344/N Rat Male VEHCONTRCOHRTA	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	3	3	3	3	3	3	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	2	
	0	0	0	0	0	0	
	1	3	4	5	5	2	
Skin	+	+	+	+	+		5
Musculoskeletal System							
Bone	+	+	+	+	+		5
Nervous System							
Brain	+	+	+	+	+		5
Respiratory System							
Lung	+	+	+	+	+		5
Nose	+	+	+	+	+		5
Trachea	+	+	+	+	+		5
Special Senses System							
Eye	+	+	+	+	+		5
Harderian Gland	+	+	+	+	+		5
Urinary System							
Kidney	+	+	+	+	+		5
Urinary Bladder	+	+	+	+	+		5
SYSTEMIC LESIONS							
Multiple Organ	+	+	+	+	+		5

* ..Total animals with tissue examined microscopically; Total animals with tumor
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 Lab: MBA

**F 344/N Rat Male
 VEHCONTRCOHRTB**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	1
	6	7	8	9	0

*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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F 344/N Rat Male VEHCONTRCOHRTB	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	1	1	1	1	1	0	
	5	5	5	5	5	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	1	
	6	7	8	9		0	
Islets, Pancreatic	+	+	+	+	+		5
Parathyroid Gland	+	+	+	+	+		5
Pituitary Gland	+	+	+	+	+		5
Thyroid Gland	+	+	+	+	+		5
General Body System							
NONE							
Genital System							
Epididymis	+	+	+	+	+		5
Preputial Gland	+	+	+	+	+		5
Prostate	+	+	+	+	+		5
Seminal Vesicle	+	+	+	+	+		5
Testes	+	+	+	+	+		5
Hematopoietic System							
Bone Marrow	+	+	+	+	+		5
Lymph Node, Mandibular	M	M	M	M	M		0
Lymph Node, Mesenteric	+	+	+	+	+		5
Spleen	+	+	+	+	+		5
Thymus	+	+	+	+	+		5
Integumentary System							
Mammary Gland	+	M	+	+	+		4
Skin	+	+	+	+	+		5

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F 344/N Rat Male VEHCONTRCOHRTB	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	1	1	1	1	1	0	
	5	5	5	5	5	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	1	
	6	7	8	9	0		
Skin	+	+	+	+	+		5
Musculoskeletal System							
Bone	+	+	+	+	+		5
Nervous System							
Brain	+	+	+	+	+		5
Respiratory System							
Lung	+	+	+	+	+		5
Nose	+	+	+	+	+		5
Trachea	+	+	+	+	+		5
Special Senses System							
Eye	+	+	+	+	+		5
Harderian Gland	+	+	+	+	+		5
Urinary System							
Kidney	+	+	+	+	+		5
Urinary Bladder	+	+	+	+	+		5
SYSTEMIC LESIONS							
Multiple Organ	+	+	+	+	+		5

* ..Total animals with tissue examined microscopically; Total animals with tumor
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**F 344/N Rat Male
 VEHCONTRCOHRTC**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2
	9	4	9	9	9
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	2	3	4	5

*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

* ..Total animals with tissue examined microscopically; Total animals with tumor
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 Lab: MBA

**F 344/N Rat Male
 VEHCONTRCOHRTC**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2
	9	4	9	9	9
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	2	3	4	5

***TOTALS**

Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	I	+	+	+	4
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	M	M	+	M	+	2
Skin	+	+	+	+	+	5

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 Species/Strain: Rat/F 344/N

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F 344/N Rat Male VEHCONTRCOHRTC	DAY ON TEST					*TOTALS
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	2	2	2	2	2	
	9	4	9	9	9	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	1	2	3	4	5	
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

* ..Total animals with tissue examined microscopically; Total animals with tumor
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 Species/Strain: Rat/F 344/N

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

**F 344/N Rat Male
 VEHCONTRCOHRTD**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	2
	6	7	8	9	0
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands		+		+	+	3
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

* ..Total animals with tissue examined microscopically; Total animals with tumor
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F 344/N Rat Male VEHCONTRCOHRTD	DAY ON TEST					*TOTALS
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	6	7	8	9	2	
						0
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	I	+	+	4
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	I	+	M	M	2
Skin	+	+	+	+	+	5

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F 344/N Rat Male VEHCONTRCOHRTD	DAY ON TEST					*TOTALS
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	5	5	5	5	5	
	7	7	7	7	7	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	2	
	6	7	8	9	0	
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

* ..Total animals with tissue examined microscopically; Total animals with tumor
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**F 344/N Rat Male
 VEHCONTRCOHR E**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	9	9	9	9	9
	2	2	2	2	2
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2
	1	2	3	4	5
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+		4
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 VEHCONTRCOHR E**

	DAY ON TEST					
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	2	2	2	2	2	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	2	2	2	2	2	
	1	2	3	4	5	*TOTALS
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	I	+	+	+	+	4
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	M	+	+	+	4
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male VEHCONTRCOHR E	DAY ON TEST					*TOTALS
	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	
	2	2	2	2	2	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	2	2	2	2	2	
	1	2	3	4	5	
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTA**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	3
	6	7	8	9	0
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:37:59
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat Male
2-8ADHAQP1COHTA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	3
	6	7	8	9	0

***TOTALS**

Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	M	+	4
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	+	+	M	+	4
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male
2-8ADHAQP1COHTA

	DAY ON TEST					*TOTALS
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	2	2	2	2	3	
	6	7	8	9	0	
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTB**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
	1	2	3	4	5
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTB**

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
	1	2	3	4	5	
	*TOTALS					
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	+	+	+	+	5
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:37:59
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat Male
2-8ADHAQP1COHTB

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
	1	2	3	4	5	
	*TOTALS					
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTC**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2
	9	9	9	9	9
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	2	2
	3	3	4	3	3
	7	8	0	6	9

*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	I	+	4

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTC**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2
	9	9	9	9	9
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	2	2
	3	3	4	3	3
	7	8	0	6	9
	*TOTALS				

Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	I	+	+	+	+	4
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	+	M	M	M	2
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTC**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2
	9	9	9	9	9
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	2	2
	3	3	4	3	3
	7	8	0	6	9
	*TOTALS				

Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:37:59
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTD**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	4
	1	2	3	4	5
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:38:00
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat Male
2-8ADHAQP1COHTD

	DAY ON TEST					
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	4	4	4	4	4	
	1	2	3	4	5	*TOTALS
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	M	+	M	+	+	3
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTD**

	DAY ON TEST					
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	5	5	5	5	5	
	7	7	7	7	7	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	4	4	4	4	4	
	1	2	3	4	5	*TOTALS
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTE**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	9	9	9	9	9
	2	2	2	2	2
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	5
	6	7	8	9	0
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+		+	4
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTE**

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	9	9	9	9	9	
	2	2	2	2	2	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	4	4	4	4	5	
	6	7	8	9	0	
	*TOTALS					
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	I	+	+	+	4
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	+	+	M	+	4
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-8ADHAQP1COHTE**

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	9	9	9	9	9	
	2	2	2	2	2	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	4	4	4	4	5	
	6	7	8	9	0	
	*TOTALS					
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTA**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	2
	5	5	5	5	5
	1	2	3	4	5
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTA**

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	2	
	5	5	5	5	5	
	1	2	3	4	5	
	*TOTALS					
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	+	M	M	M	1
Lymph Node, Mesenteric	+	+	+	+	I	4
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	+	+	+	+	5
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTA**

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	2	
	5	5	5	5	5	
	1	2	3	4	5	
	*TOTALS					
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTB**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	6
	6	7	8	9	0

*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTB**

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
	6	7	8	9	0	
	*TOTALS					
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	M	M	+	+	+	3
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male
8-9ADHAQP1COHTB

	DAY ON TEST					*TOTALS
	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	6	
	6	7	8	9	0	
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTC**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2
	9	9	9	9	9
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	6	6	6	6	6
	1	2	3	4	5
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTC**

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	2	2	2	2	2	
	9	9	9	9	9	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	6	
	1	2	3	4	5	
	*TOTALS					
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	M	+	4
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	M	M	+	M	2
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male
 8-9ADHAQP1COHTC

	DAY ON TEST					*TOTALS
	0	0	0	0	0	
	0	0	0	0	0	
	2	2	2	2	2	
	9	9	9	9	9	
	ANIMAL ID					
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	6	
	1	2	3	4	5	
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTD**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	6	6	6	6	7
	6	7	8	9	0
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTD**

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
	7	7	7	7	7	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	7	
	6	7	8	9	0	
	*TOTALS					
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	M	+	+	+	M	3
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 8-9ADHAQP1COHTD**

	DAY ON TEST					
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	5	5	5	5	5	
	7	7	7	7	7	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	7	
	6	7	8	9	0	
	*TOTALS					
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male
 8-9AJDAQP1COHTE

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	9	9	9	9	9
	2	2	2	2	2
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	7	7	7	7	7
	1	2	3	4	5
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands		+		+	+	3
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:38:00
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat Male
8-9AJDAQP1COHTE

	DAY ON TEST					
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	7	7	7	7	7	
	1	2	3	4	5	*TOTALS
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	I	4
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	+	+	+	M	4
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male
8-9AJDAQP1COHTE

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	9	9	9	9	9	
	2	2	2	2	2	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	7	7	7	7	7	
	1	2	3	4	5	
	*TOTALS					
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:38:00
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat Male	2-11ADHAQP1COHTA	DAY ON TEST	0	0	0	0	0	0
			0	0	0	0	0	0
			0	0	0	0	0	0
			3	3	3	3	3	3
			3	3	3	3	3	3
	ANIMAL ID	0	0	0	0	0	0	
		0	0	0	0	0	0	
		0	0	0	0	0	0	
		7	7	7	7	8	8	
		6	7	8	9		0	
								*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTA	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	3	3	3	3	3	3	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	7	7	7	7	7	8	
	6	7	8	9		0	
Islets, Pancreatic	+	+	+	+	+		5
Parathyroid Gland	+	+	+	+	+		5
Pituitary Gland	+	+	+	+	+		5
Thyroid Gland	+	+	+	+	+		5
General Body System							
NONE							
Genital System							
Epididymis	+	+	+	+	+		5
Preputial Gland	+	+	+	+	+		5
Prostate	+	+	+	+	+		5
Seminal Vesicle	+	+	+	+	+		5
Testes	+	+	+	+	+		5
Hematopoietic System							
Bone Marrow	+	+	+	+	+		5
Lymph Node, Mandibular	M	M	M	M	M		0
Lymph Node, Mesenteric	+	+	+	+	+		5
Spleen	+	+	+	+	+		5
Thymus	+	+	+	+	+		5
Integumentary System							
Mammary Gland	M	+	+	+	M		3
Skin	+	+	+	+	+		5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTA	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	3	3	3	3	3	3	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	7	7	7	7	7	8	
	6	7	8	9		0	
Skin	+	+	+	+	+		5
Musculoskeletal System							
Bone	+	+	+	+	+		5
Nervous System							
Brain	+	+	+	+	+		5
Respiratory System							
Lung	+	+	+	+	+		5
Nose	+	+	+	+	+		5
Trachea	+	+	+	+	+		5
Special Senses System							
Eye	+	+	+	+	+		5
Harderian Gland	+	+	+	+	+		5
Urinary System							
Kidney	+	+	+	+	+		5
Urinary Bladder	+	+	+	+	+		5
SYSTEMIC LESIONS							
Multiple Organ	+	+	+	+	+		5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:00
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTB	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
	1	1	1	1	1	1
	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	8	8	8	8	8	8
	1	2	3	4	5	5
	*TOTALS					

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:38:00
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat Male
2-11ADHAQP1COHTB

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	8	8	8	8	8	
	1	2	3	4	5	
	*TOTALS					
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5
General Body System						
NONE						
Genital System						
Epididymis	+	+	+	+	+	5
Preputial Gland	+	M	+	+	+	4
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
Mammary Gland	+	+	M	+	+	4
Skin	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:01
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTB	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	1	1	1	1	1	1	
	5	5	5	5	5	5	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	8	8	8	8	8	8	
	1	2	3	4	5	5	
Skin	+	+	+	+	+	+	5
Musculoskeletal System							
Bone	+	+	+	+	+	+	5
Nervous System							
Brain	+	+	+	+	+	+	5
Respiratory System							
Lung	+	+	+	+	+	+	5
Nose	+	+	+	+	+	+	5
Trachea	+	+	+	+	+	+	5
Special Senses System							
Eye	+	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	+	5
Urinary System							
Kidney	+	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ	+	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:01
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-11ADHAQP1COHTC**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2
	9	9	9	9	9
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	8	8	8	8	9
	6	7	8	9	0
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:01
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTC	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	2	2	2	2	2	2	
	9	9	9	9	9	9	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	8	8	8	8	8	8	
	6	7	8	9	9	0	
Islets, Pancreatic	+	+	+	+	+		5
Parathyroid Gland	+	+	+	+	+		5
Pituitary Gland	I	+	+	+	+		4
Thyroid Gland	+	+	+	+	+		5
General Body System							
NONE							
Genital System							
Epididymis	+	+	+	+	+		5
Preputial Gland	+	+	+	+	+		5
Prostate	+	+	+	+	+		5
Seminal Vesicle	+	+	+	+	+		5
Testes	+	+	+	+	+		5
Hematopoietic System							
Bone Marrow	+	+	+	+	+		5
Lymph Node, Mandibular	M	M	M	M	M		0
Lymph Node, Mesenteric	+	+	+	+	+		5
Spleen	+	+	+	+	+		5
Thymus	+	+	+	+	+		5
Integumentary System							
Mammary Gland	+	M	+	M	+		3
Skin	+	+	+	+	+		5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:01
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTC	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	2	2	2	2	2	2	
	9	9	9	9	9	9	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	8	8	8	8	8	8	
	6	7	8	9	9	0	
Skin	+	+	+	+	+		5
Musculoskeletal System							
Bone	+	+	+	+	+		5
Nervous System							
Brain	+	+	+	+	+		5
Respiratory System							
Lung	+	+	+	+	+		5
Nose	+	+	+	+	+		5
Trachea	+	+	+	+	+		5
Special Senses System							
Eye	+	+	+	+	+		5
Harderian Gland	+	+	+	+	+		5
Urinary System							
Kidney	+	+	+	+	+		5
Urinary Bladder	+	+	+	+	+		5
SYSTEMIC LESIONS							
Multiple Organ	+	+	+	+	+		5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:01
 First Dose M/F: NA / NA
 Lab: MBA

**F 344/N Rat Male
 2-11ADHAQP1COHTD**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	9	9	9	9	9
	1	2	3	4	5
	*TOTALS				

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+		+	+	4
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:01
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTD	DAY ON TEST					ANIMAL ID		
	0	0	0	0	0			
	0	0	0	0	0	0		
	5	5	5	5	5	0		
	7	7	7	7	7	0		
	0	0	0	0	0	0		
	0	0	0	0	0	0		
	9	9	9	9	9	0		
	1	2	3	4	5	0		
							*TOTALS	
Islets, Pancreatic	+	+	+	+	+			5
Parathyroid Gland	+	+	+	+	+			5
Pituitary Gland	+	+	+	+	+			5
Thyroid Gland	+	+	+	+	+			5
General Body System								
NONE								
Genital System								
Epididymis	+	+	+	+	+			5
Preputial Gland	+	+	+	+	M			4
Prostate	+	+	+	+	+			5
Seminal Vesicle	+	+	+	+	+			5
Testes	+	+	+	+	+			5
Hematopoietic System								
Bone Marrow	+	+	+	+	+			5
Lymph Node, Mandibular	M	M	M	M	M			0
Lymph Node, Mesenteric	+	+	+	+	+			5
Spleen	+	+	+	+	+			5
Thymus	+	+	+	+	+			5
Integumentary System								
Mammary Gland	M	+	+	+	M			3
Skin	+	+	+	+	+			5

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

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

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:38:01
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat Male
2-11ADHAQP1COHTD

	DAY ON TEST					
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
	7	7	7	7	7	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	9	9	9	9	9	
	1	2	3	4	5	
						*TOTALS
Skin	+	+	+	+	+	5
Musculoskeletal System						
Bone	+	+	+	+	+	5
Nervous System						
Brain	+	+	+	+	+	5
Respiratory System						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:01
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
	9	9	9	9	9	9
	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	1
	9	9	9	9	9	0
	6	7	8	9	9	0
	*TOTALS					

Alimentary System

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+		4
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

Cardiovascular System

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:01
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTE	DAY ON TEST					ANIMAL ID	
	0	0	0	0	0		
	0	0	0	0	0	0	
	9	9	9	9	9	9	
	2	2	2	2	2	2	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	1	
	9	9	9	9	9	0	
	6	7	8	9	9	0	
							*TOTALS
Islets, Pancreatic	+	+	+	+	+		5
Parathyroid Gland	+	+	+	+	+		5
Pituitary Gland	I	+	+	+	+		4
Thyroid Gland	+	+	+	+	+		5
General Body System							
NONE							
Genital System							
Epididymis	+	+	+	+	+		5
Preputial Gland	+	+	+	+	+		5
Prostate	+	+	+	+	+		5
Seminal Vesicle	+	+	+	+	+		5
Testes	+	+	+	+	+		5
Hematopoietic System							
Bone Marrow	+	+	+	+	+		5
Lymph Node, Mandibular	M	M	M	M	M		0
Lymph Node, Mesenteric	+	+	+	+	+		5
Spleen	+	+	+	+	+		5
Thymus	+	+	+	+	+		5
Integumentary System							
Mammary Gland	+	+	+	+	+		5
Skin	+	+	+	+	+		5

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

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

Experiment Number: 20537-01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Adenoviral Vector (AdhAQP1)
 CAS Number: HAQP1

Date Report Requested: 10/19/2014
 Time Report Requested: 17:38:01
 First Dose M/F: NA / NA
 Lab: MBA

F 344/N Rat Male 2-11ADHAQP1COHTE	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	9	9	9	9	9	9	
	2	2	2	2	2	2	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	1	
	9	9	9	9	9	0	
	6	7	8	9	9	0	
Skin	+	+	+	+	+		5
Musculoskeletal System							
Bone	+	+	+	+	+		5
Nervous System							
Brain	+	+	+	+	+		5
Respiratory System							
Lung	+	+	+	+	+		5
Nose	+	+	+	+	+		5
Trachea	+	+	+	+	+		5
Special Senses System							
Eye	+	+	+	+	+		5
Harderian Gland	+	+	+	+	+		5
Urinary System							
Kidney	+	+	+	+	+		5
Urinary Bladder	+	+	+	+	+		5
SYSTEMIC LESIONS							
Multiple Organ	+	+	+	+	+		5

END OF MALE DATA

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

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

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:38:01
First Dose M/F: NA / NA
Lab: MBA

**** END OF REPORT ****

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

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