

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C99036
<b>Lock Date:</b>	07/19/2001
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 401

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007261

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node		

Note: MEDIASTINAL LYMPH NODE NORMAL.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 402

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007262

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Liver	Inflammation	Chronic, Minimal
* Lymph Node		
Note: MEDIASTINAL LYMPH NODE NORMAL.		
* Spleen	Infiltration Cellular	Mononuclear CI, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 403

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007263

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Pituitary Gland  
\* Stomach, Glandular  
\* Urinary Bladder

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node  
\* Skin  
\* Testes

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Spleen  
\* Thymus

\* Epididymis  
\* Intestine Large, Rectum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Stomach, Forestomach  
\* Thyroid Gland

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Adrenal Cortex  
\* Liver  
\* Lymph Node

Hypertrophy  
Inflammation

Focal, Minimal  
Chronic, Minimal

Note: MEDIASTINAL LYMPH NODE NORMAL.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 404

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007264

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Intestine Large, Rectum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Adrenal Medulla  
\* Heart  
\* Intestine Small, Duodenum  
\* Liver  
\* Pituitary Gland  
\* Stomach, Glandular  
\* Urinary Bladder

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Skin  
\* Testes

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Spleen  
\* Thymus

**MISSING**

\* Lymph Node  
\* Mammary Gland

**OBSERVATIONS**

\* Lymph Node  
Note: MEDIASTINAL LYMPH NODE MISSING.  
Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 405	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 18 <b>HISTO:</b> 2007265
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Brain	* Epididymis	* Heart
* Liver	* Lung	* Lymph Node	* Pituitary Gland
* Skin	* Testes		

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**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland	* Spleen	* Urinary Bladder
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**AUTO PRECLUDES DIAG.**

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland		

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**OBSERVATIONS**

\* Lymph Node  
Note: MEDIASTINAL LYMPH NODE NORMAL.

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 406

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007266

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Liver	Inflammation	Chronic, Minimal
* Lymph Node		

Note: MEDIASTINAL LYMPH NODE NORMAL.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 407	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 76 <b>HISTO:</b> 2007267
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Pituitary Gland	* Testes	* Thyroid Gland
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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Lymphoma Malignant
* Bone Marrow		Lymphoma Malignant
* Brain		Lymphoma Malignant
* Epididymis		Lymphoma Malignant
* Heart		Lymphoma Malignant
* Intestine Large, Cecum		Lymphoma Malignant
* Intestine Large, Colon		Lymphoma Malignant
* Intestine Large, Rectum		Lymphoma Malignant
* Intestine Small, Duodenum		Lymphoma Malignant
* Intestine Small, Ileum		Lymphoma Malignant
* Intestine Small, Jejunum		Lymphoma Malignant
* Kidney		Lymphoma Malignant
* Liver		Lymphoma Malignant
* Lung		Lymphoma Malignant
* Lymph Node	Deep Cervical	Lymphoma Malignant
	Lumbar	Lymphoma Malignant
	Mediastinal	Lymphoma Malignant
	[ Lymphoma Malignant TGLS = 4-10 ]	
	[ Lymphoma Malignant TGLS = 6-11 ]	
	[ Lymphoma Malignant TGLS = 3-9 ]	
* Lymph Node, Mandibular		Lymphoma Malignant
	[ Lymphoma Malignant TGLS = 2-4 ]	
* Lymph Node, Mesenteric		Lymphoma Malignant
	[ Lymphoma Malignant TGLS = 5-5 ]	
* Skin		Lymphoma Malignant
* Spleen		Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 407

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 76

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 2007267

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Lymphoma Malignant TGLS = 1-5 ]

\* Stomach, Forestomach

Lymphoma Malignant

\* Stomach, Glandular

Lymphoma Malignant

\* Thymus

Lymphoma Malignant

\* Urinary Bladder

Lymphoma Malignant

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**PRIMARY CAUSE OF DEATH**

- Spleen Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 408

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007268

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Pituitary Gland  
\* Stomach, Glandular  
\* Urinary Bladder

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node  
\* Skin  
\* Testes

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Spleen  
\* Thymus

\* Epididymis  
\* Intestine Large, Rectum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Stomach, Forestomach  
\* Thyroid Gland

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Adrenal Cortex  
\* Liver  
\* Lymph Node

Hypertrophy  
Inflammation

Focal, Minimal  
Chronic, Minimal

Note: MEDIASTINAL LYMPH NODE NORMAL.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 409

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007269

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Pituitary Gland  
\* Stomach, Glandular  
\* Urinary Bladder

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node  
\* Skin  
\* Testes

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Spleen  
\* Thymus

\* Epididymis  
\* Intestine Large, Rectum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Stomach, Forestomach  
\* Thyroid Gland

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Adrenal Cortex  
\* Liver  
\* Lymph Node

Hypertrophy  
Inflammation

Focal, Minimal  
Chronic, Minimal

Note: MEDIASTINAL LYMPH NODE NORMAL.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 410

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007270

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Lymph Node		

Note: MEDIASTINAL LYMPH NODE NORMAL.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 411

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007271

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node		

Note: MEDIASTINAL LYMPH NODE NORMAL.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 412

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Intestine Large, Rectum  
\* Kidney  
\* Pituitary Gland  
\* Stomach, Glandular  
\* Urinary Bladder

\* Adrenal Medulla  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Skin  
\* Testes

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node, Mandibular  
\* Spleen  
\* Thymus

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mesenteric  
\* Stomach, Forestomach  
\* Thyroid Gland

**MISSING**

\* Lymph Node  
\* Mammary Gland

**OBSERVATIONS**

\* Liver  
\* Lymph Node

Inflammation  
Chronic, Minimal

Note: MEDIASTINAL LYMPH NODE MISSING.

Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 413	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 183 <b>HISTO:</b> 2007273
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node		
Note: Mediastinal lymph node was not available for processing		
Note: MEDIASTINAL LYMPH NODE MISSING.		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Minimal
* Spleen	Hematopoietic Cell Proliferation	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 414

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007274

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
\* Heart  
\* Intestine Small, Duodenum  
\* Lymph Node, Mandibular  
\* Spleen  
\* Thymus

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node, Mesenteric  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Pituitary Gland  
\* Stomach, Glandular  
\* Urinary Bladder

\* Epididymis  
\* Intestine Large, Rectum  
\* Lung  
\* Skin  
\* Testes

**MISSING**

\* Lymph Node

\* Mammary Gland

**OBSERVATIONS**

\* Adrenal Cortex  
\* Kidney  
\* Liver  
\* Lymph Node

Hypertrophy  
Nephropathy  
Inflammation

Focal, Mild  
Minimal  
Chronic, Minimal

Note: MEDIASTINAL LYMPH NODE MISSING.

Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 415

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007275

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node		
Note: MEDIASTINAL LYMPH NODE NORMAL.		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild
* Spleen	Hematopoietic Cell Proliferation	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 416

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007276

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Lymph Node, Mesenteric

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 417	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007277

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Liver	Inflammation	Chronic, Minimal
* Lymph Node		

Note: Mediastinal lymph node was not available for processing

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 418

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007278

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Kidney Nephropathy Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 419	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007279

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis		Mineralization	Minimal
* Testes	Germinal Epith	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 420	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007280

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node, Mandibular [ Hyperplasia TGLS = 1-4 ]	Hyperplasia	Lymphoid, Minimal
* Spleen	Hematopoietic Cell Proliferation	Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 421

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007281

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Spleen Hematopoietic Cell Proliferation Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 422

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007282

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

- \* Adrenal Cortex
- \* Epididymis
- \* Intestine Large, Rectum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Stomach, Forestomach
- \* Thyroid Gland

- \* Adrenal Medulla
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone Marrow
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node
- \* Skin
- \* Testes

- \* Brain
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Spleen
- \* Thymus

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**MISSING**

- \* Mammary Gland

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**OBSERVATIONS**

- \* Liver Inflammation Chronic, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 423	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007283

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Lung	Inflammation	Chronic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 424

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007284

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Lymph Node		

Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 425	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007285

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-9 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 426

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007286

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla

\* Bone Marrow

\* Brain

\* Epididymis

\* Heart

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Intestine Large, Rectum

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Lung

\* Lymph Node

\* Lymph Node, Mandibular

\* Lymph Node, Mesenteric

\* Pituitary Gland

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

\* Thymus

\* Thyroid Gland

\* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Adrenal Cortex

Hypertrophy

Focal, Minimal

\* Liver

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 427

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007287

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

**MISSING**

\* Mammary Gland

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 428	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007288

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Liver	Inflammation	Chronic, Minimal
* Lung	Inflammation	Chronic, Minimal
* Lymph Node		
Note: Mediastinal lymph node is not available for processing		
* Spleen	Hematopoietic Cell Proliferation	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 429	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007289

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

---

**MISSING**

* Lymph Node	* Mammary Gland
--------------	-----------------

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**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node		
Note: Mediastinal lymph node was not available for processing		
* Spleen	Hematopoietic Cell Proliferation	Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 430

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007290

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 431

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007291

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

**MISSING**

\* Mammary Gland

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 432	<b>TRT#:</b> 5 <b>DOSE:</b> 375 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 183 <b>HISTO:</b> 2007292
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node Note: Mediastinal lymph node was unavailable for processing			
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Marked Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 433

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007293

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Kidney Nephropathy Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 434

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007294

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 435

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007295

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Kidney Nephropathy Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 436

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007296

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Lymph Node, Mesenteric	Hyperplasia	Lymphoid, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 437

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007297

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node		

Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 438	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 375 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007298

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Bone Marrow		Histiocytic Sarcoma	
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Liver		Hematopoietic Cell Proliferation	Marked
		Histiocytic Sarcoma	
		[ Histiocytic Sarcoma TGLS = 2-2+4 ]	
* Lung		Histiocytic Sarcoma	
* Lymph Node	Mediastinal	Histiocytic Sarcoma	
		[ Histiocytic Sarcoma TGLS = 4-9 ]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		[ Hyperplasia TGLS = 1-4 ]	
* Spleen		Hematopoietic Cell Proliferation	Marked
		[ Hematopoietic Cell Proliferation TGLS = 3-5 ]	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 439

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007299

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Liver	Inflammation	Chronic, Minimal
* Lymph Node		

Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 440

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007300

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 441

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007301

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Epididymis	Inflammation	Granulomatous, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node		

Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 442

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007302

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Intestine Large, Rectum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Adrenal Medulla  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Mammary Gland  
\* Stomach, Glandular  
\* Urinary Bladder

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node  
\* Pituitary Gland  
\* Testes

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Skin  
\* Thymus

**OBSERVATIONS**

\* Liver  
\* Spleen

Inflammation  
Hematopoietic Cell Proliferation

Chronic, Minimal  
Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 443

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007303

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Urinary Bladder	

**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Lymph Node		
Note: Mediastinal lymph node was not available for processing		
* Lymph Node, Mesenteric	Atrophy	Minimal
* Thymus	Hyperplasia	Atypical, Mild
	Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Infiltration Cellular	Polymorphnuclr, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 444	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 375 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007304

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node		

Note: Mediastinal lymph node was not available for processing

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 445

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007305

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Spleen Hematopoietic Cell Proliferation Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 446

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 750 PPM

**DISP:** Natural Death

**HISTO:** 2007306

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow  
\* Stomach, Forestomach

\* Epididymis  
\* Testes

\* Heart

\* Lung

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

\* Adrenal Cortex  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Spleen  
\* Urinary Bladder

\* Adrenal Medulla  
\* Intestine Large, Rectum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Stomach, Glandular

\* Brain  
\* Intestine Small, Duodenum  
\* Liver  
\* Pituitary Gland  
\* Thymus

\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node  
\* Skin  
\* Thyroid Gland

**OBSERVATIONS**

\* Lymph Node

Note: MEDIASTINAL LYMPH NODE AUTOLYSIS PRECLUDES DIAGNOSIS.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 447	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007307

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Kidney	Renal Tubule	Hypertrophy	Minimal
* Liver		Inflammation	Chronic, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 448	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007308

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

* Lymph Node	* Mammary Gland
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**OBSERVATIONS**

* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			

Note: Mediastinal lymph node was not available for processing

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 449

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007309

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Renal Tubule	Hypertrophy	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 450

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007310

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Intestine Large, Rectum  
\* Liver  
\* Pituitary Gland  
\* Stomach, Glandular  
\* Urinary Bladder

\* Adrenal Medulla  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Skin  
\* Testes

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node, Mandibular  
\* Spleen  
\* Thymus

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mesenteric  
\* Stomach, Forestomach  
\* Thyroid Gland

**MISSING**

\* Lymph Node  
\* Mammary Gland

**OBSERVATIONS**

\* Kidney  
\* Lymph Node

Nephropathy  
Minimal

Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 451	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 43
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 2007311

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
* Thymus		Atrophy	Diffuse, Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 452

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007312

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Renal Tubule	Hypertrophy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 453	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007313

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Bone Marrow		Histiocytic Sarcoma	
* Kidney	Renal Tubule	Hypertrophy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Stomach, Glandular	Epithelium	Cyst	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 454	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007314

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Lung		Inflammation	Chronic, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 455

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007315

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Kidney	Renal Tubule	Hypertrophy	Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 456

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007316

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Liver	Inflammation	Chronic, Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 457

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007317

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

**MISSING**

* Lung	* Lymph Node
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**OBSERVATIONS**

* Epididymis		Inflammation	Chronic, Minimal
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			

Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 458	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007318

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 459

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007319

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Skin  
\* Testes

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node, Mandibular  
\* Spleen  
\* Thymus

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mesenteric  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Epididymis  
\* Intestine Large, Rectum  
\* Kidney  
\* Pituitary Gland  
\* Stomach, Glandular  
\* Urinary Bladder

**MISSING**

\* Lymph Node

\* Mammary Gland

**OBSERVATIONS**

\* Adrenal Cortex  
\* Liver  
\* Lymph Node

Hyperplasia  
Inflammation

Focal, Mild  
Chronic, Minimal

Note: Mediastinal lymph node was not available for processing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 460	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007320

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 461

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 3000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007321

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver	* Lung
* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Epididymis		Hypospermia	Mild
[ Hypospermia TGLS = 2-6 ]			
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Testes	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
[ Atrophy TGLS = 1-6 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 462	<b>TRT#:</b> 9 <b>DOSE:</b> 3000 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 183 <b>HISTO:</b> 2007322
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hyospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy Inflammation	Minimal Minimal Chronic, Minimal
* Liver		Atrophy	Mild
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 463	<b>TRT#:</b> 9 <b>DOSE:</b> 3000 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 184 <b>HISTO:</b> 2007323
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hyospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy Inflammation	Minimal Minimal Chronic, Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Spleen		Atrophy	Mild
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 464	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007324

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Epididymis		Hypospermia	Minimal
[ Hypospermia TGLS = 2-6 ]			
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Testes	Germinal Epith	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
[ Atrophy TGLS = 1-6 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 465

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 3000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007325

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Minimal Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 466	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007326

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstitial Cell	Atrophy Hyperplasia	Minimal Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 467

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 3000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007327

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Liver		Inflammation	Chronic, Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 468	<b>TRT#:</b> 9 <b>DOSE:</b> 3000 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 183 <b>HISTO:</b> 2007328
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Epididymis		Hypospermia	Minimal
[ Hypospermia TGLS = 2-6 ]			
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Testes	Germinal Epith	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Mild
[ Atrophy TGLS = 1-6 ]			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 469	<b>TRT#:</b> 9 <b>DOSE:</b> 3000 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 183 <b>HISTO:</b> 2007329
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Liver		Inflammation	Chronic, Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Minimal Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 470

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 3000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007330

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 471	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007331

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Epididymis		Hypospermia	Minimal
[ Hypospermia TGLS = 2-6 ]			
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Testes	Germinal Epith	Atrophy	Mild
	Interstitial Cell	Hyperplasia	Mild
[ Atrophy TGLS = 1-6 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 472	<b>TRT#:</b> 9 <b>DOSE:</b> 3000 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 184 <b>HISTO:</b> 2007332
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hyospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Liver		Inflammation	Chronic, Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Minimal Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 473

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 3000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007333

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mesenteric	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis		Hypospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Atrophy	Minimal
	Interstitial Cell	Hyperplasia	Minimal
* Thymus		Hyperplasia	Atypical, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 474	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007334

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node	* Lymph Node, Mandibular	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy Inflammation	Minimal Minimal Chronic, Minimal
* Lung		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 475	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007335

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Liver		Inflammation	Chronic, Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 476

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 30

**DOSE:** 12,000 PPM

**DISP:** Natural Death

**HISTO:** 2007336

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone Marrow	* Epididymis	* Heart	* Kidney
* Lung	* Skin	* Testes	* Thyroid Gland

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pituitary Gland	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Urinary Bladder	

**OBSERVATIONS**

\* Lymph Node

Note: MEDIASTINAL LYMPH NODE AUTOLYSIS PRECLUDES DIAGNOSIS.

\* Spleen

Note: NO CORRELATING LESION FOR TGSL 1-1.

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 477	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007337

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Marked
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Lymph Node Note: Mediastinal lymph node was not available for processing Note: MEDIASTINAL LYMPH NODE MISSING.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Moderate Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 478

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 184

**DOSE:** 12,000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007338

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Marked
* Kidney	Renal Tubule	Hypertrophy Nephropathy Inflammation	Minimal Mild Chronic, Minimal
* Liver			
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Moderate Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 479	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007339

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Epididymis		Hypospermia	Moderate
[ Hypospermia TGLS = 2-6 ]			
* Kidney	Renal Tubule	Hypertrophy	Minimal
		Nephropathy	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
[ Atrophy TGLS = 1-6 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 480

**TRT#:** 11  
**DOSE:** 12,000 PPM

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 184  
**HISTO:** 2007340

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hyospermia	Marked
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular [ Hyperplasia TGLS = 3-4 ]		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Moderate Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 481

**TRT#:** 11  
**DOSE:** 12,000 PPM

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 183  
**HISTO:** 2007341

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Mild
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 482

**TRT#:** 11  
**DOSE:** 12,000 PPM

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 184  
**HISTO:** 2007342

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Mild
* Kidney	Renal Tubule	Hypertrophy Nephropathy Inflammation	Minimal Minimal Chronic, Minimal
* Liver			
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 483

**TRT#:** 11  
**DOSE:** 12,000 PPM

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 183  
**HISTO:** 2007343

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Moderate
* Kidney	Renal Tubule	Hypertrophy Nephropathy Inflammation	Minimal Minimal Chronic, Minimal
* Liver			
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen  [ Pigmentation TGLS = 3-9 ]	Capsule	Fibrosis Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal Mild
* Testes  [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstitial Cell	Atrophy Hyperplasia	Moderate Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 484

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 183

**DOSE:** 12,000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007344

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Moderate
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Mild
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 485	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007345

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Marked
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Mild
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Marked Mild
[ Atrophy TGLS = 1-6 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 486

**TRT#:** 11  
**DOSE:** 12,000 PPM

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 183  
**HISTO:** 2007346

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Marked
* Kidney	Renal Tubule	Hypertrophy Nephropathy Inflammation	Minimal Mild Chronic, Minimal
* Liver			
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstitial Cell	Atrophy Hyperplasia	Moderate Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 487	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007347

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Mild
* Kidney	Renal Tubule	Hypertrophy Nephropathy Inflammation	Minimal Minimal Chronic, Minimal
* Liver			
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 488	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 183
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007348

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Marked
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Lymph Node Note: MEDISTINAL LYMPH NODE MISSING. Note: Mediastinal lymph node was not available for processing			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Moderate Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 489	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007349

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Mild
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 490	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007350

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Epididymis [ Hypospermia TGLS = 2-6 ]		Hypospermia	Minimal
* Kidney	Renal Tubule	Hypertrophy Nephropathy	Minimal Minimal
* Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [ Atrophy TGLS = 1-6 ]	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 491

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007351

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**MISSING**

\* Lymph Node

**OBSERVATIONS**

* Liver	Inflammation	Chronic, Minimal
* Lymph Node		
Note: Mediastinal lymph node was not available for processing		
Note: MEDIASTINAL LYMPH NODE MISSING.		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Minimal
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 492

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007352

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

**MISSING**

\* Lymph Node

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE MISSING.			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 493	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 184 <b>HISTO:</b> 2007353
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Thymus		Hyperplasia	Lymphoid, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 494	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007354
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Ovary		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 495	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007355
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
		Necrosis	Focal, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 496	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 184 <b>HISTO:</b> 2007356
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization Nephropathy	Minimal Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 497	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007357
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 498	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007358
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 499

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 185  
**HISTO:** 2007359

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

\* Lymph Node  
Note: MEDIASTINAL LYMPH NODE NORMAL.

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 500

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007360

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

\* Lymph Node  
Note: MEDIASTINAL LYMPH NODE NORMAL.

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 501	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007361
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 502	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 184 <b>HISTO:</b> 2007362
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 503	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007363
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Urinary Bladder

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Thyroid Gland		Inflammation	Granulomatous, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 504

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007364

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 505	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007365
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 506	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007366

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 507      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 185  
**DOSE:** 200 PPM      **DISP:** Terminal Sacrifice      **HISTO:** 2007367

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Urinary Bladder

**OBSERVATIONS**

Bone		Histiocytic Sarcoma Hyperplasia	Mild
* Bone Marrow		Histiocytic Sarcoma	
* Kidney		Histiocytic Sarcoma Nephropathy	Minimal
* Liver		Histiocytic Sarcoma Inflammation	Chronic, Minimal
* Lung		Histiocytic Sarcoma	
* Lymph Node	Deep Cervical	Histiocytic Sarcoma	
Note: Mediastinal lymph node was not available for processing			
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation Histiocytic Sarcoma	Moderate
* Lymph Node, Mesenteric		Infiltration Cellular	Polymorphnuclr, Mild
* Ovary		Histiocytic Sarcoma	
Pancreas		Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation Histiocytic Sarcoma	Minimal
[ Histiocytic Sarcoma TGLS = 1-5 ]			
* Stomach, Glandular		Histiocytic Sarcoma	
* Thymus		Histiocytic Sarcoma	
* Uterus		Histiocytic Sarcoma	

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 508

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007368

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 509

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007369

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Ovary		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 510	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007370

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: Mediastinal lymph node was not available for processing			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 511

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007371

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

**MISSING**

\* Lymph Node

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: Mediastinal lymph node was not available for processing			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 512	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 21
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 2007372

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder	* Uterus

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**OBSERVATIONS**

* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Marked
* Thymus		Atrophy	Diffuse, Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 513

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007373

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Uterus	Endometrium	Hyperplasia	Cystic, Mild
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 514

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007374

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Bone Marrow

\* Brain

\* Heart

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Intestine Large, Rectum

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Lung

\* Lymph Node

\* Lymph Node, Mandibular

\* Lymph Node, Mesenteric

\* Mammary Gland

\* Ovary

\* Pituitary Gland

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Thymus

\* Thyroid Gland

\* Urinary Bladder

**OBSERVATIONS**

\* Liver

Inflammation

Chronic, Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 515	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007375

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 516	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007376

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lymph Node			
Note: Mediastinal lymph node was not available for processing			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 517	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007377

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lymph Node			
Note: Mediastinal lymph node was not available for processing			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 518	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 13
	<b>DOSE:</b> 200 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 2007378

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Heart	* Kidney	* Liver
* Lung	* Mammary Gland	* Skin	* Thymus
* Uterus			

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**MISSING**

* Spleen	* Thyroid Gland		
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**AUTO PRECLUDES DIAG.**

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Ovary	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder		

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**INSUFFICIENT TISSUE**

* Lymph Node			
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**OBSERVATIONS**

* Brain	Hemorrhage	Moderate
* Lymph Node, Mandibular	Atrophy	Mild
	Hemorrhage	Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN
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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 519

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007379

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 520

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007380

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 521

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007381

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 522	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 375 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007382

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Liver	Inflammation	Chronic, Minimal
* Lymph Node		
Note: Mediastinal lymph node was not available for processing		
* Spleen	Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 523

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007383

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Ovary		Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 524

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007384

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Histiocytic Sarcoma	
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Minimal
* Ovary		Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Atypical, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 525

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 15

**DOSE:** 375 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 2007385

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder
* Uterus			

**MISSING**

\* Spleen

**OBSERVATIONS**

\* Lymph Node

Note: MEDIASTINAL LYMPH NODE NORMAL.

\* Lymph Node, Mesenteric

Atrophy

Minimal

\* Thymus

Atrophy

Diffuse, Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 526

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007386

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 527

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007387

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Mammary Gland  
\* Spleen  
\* Thyroid Gland

\* Adrenal Medulla  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node  
\* Ovary  
\* Stomach, Forestomach  
\* Urinary Bladder

\* Bone Marrow  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Pituitary Gland  
\* Stomach, Glandular

\* Brain  
\* Intestine Large, Rectum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Skin  
\* Thymus

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 528	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 375 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007388

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 529	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 375 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007389

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: Mediastinal lymph node was not available for processing			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 530	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 375 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007390

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 531

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007391

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Mammary Gland  
\* Spleen  
\* Thyroid Gland

\* Adrenal Medulla  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node  
\* Ovary  
\* Stomach, Forestomach  
\* Urinary Bladder

\* Bone Marrow  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Pituitary Gland  
\* Stomach, Glandular

\* Brain  
\* Intestine Large, Rectum  
\* Liver  
\* Lymph Node, Mesenteric  
\* Skin  
\* Thymus

**OBSERVATIONS**

\* Kidney  
\* Uterus

Endometrium

Nephropathy  
Hyperplasia

Minimal  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 532

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007392

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 533

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007393

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 534	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 375 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007394

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lung	* Lymph Node
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Intestine Small, Jejunum		Infiltration Cellular	Polymorphnuclr, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 535

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 375 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007395

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 536	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007396

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Lymph Node			
Note: Mediastinal lymph node was not available for processing			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 537

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007397

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Mammary Gland  
\* Spleen  
\* Thyroid Gland

\* Adrenal Medulla  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node  
\* Ovary  
\* Stomach, Forestomach  
\* Urinary Bladder

\* Bone Marrow  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Pituitary Gland  
\* Stomach, Glandular

\* Brain  
\* Intestine Large, Rectum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Skin  
\* Thymus

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 538	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007398

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Bone Marrow		Histiocytic Sarcoma	
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 539

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007399

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 540	<b>TRT#:</b> 8 <b>DOSE:</b> 750 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007400
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 541

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007401

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

**OBSERVATIONS**

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 542

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007402

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 543

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007403

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 544	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007404

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 545	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007405

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 546

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007406

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Bone Marrow

\* Brain

\* Heart

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Intestine Large, Rectum

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Lung

\* Lymph Node

\* Lymph Node, Mandibular

\* Lymph Node, Mesenteric

\* Mammary Gland

\* Ovary

\* Pituitary Gland

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Thymus

\* Thyroid Gland

\* Urinary Bladder

**OBSERVATIONS**

\* Liver

Inflammation

Chronic, Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 547

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007407

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 548	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007408

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 549	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007409

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 550	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007410

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 551

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 3000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007411

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Bone Marrow

\* Brain

\* Heart

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Intestine Large, Rectum

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Lung

\* Lymph Node

\* Lymph Node, Mandibular

\* Lymph Node, Mesenteric

\* Mammary Gland

\* Ovary

\* Pituitary Gland

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Thymus

\* Thyroid Gland

\* Urinary Bladder

**OBSERVATIONS**

\* Liver

Inflammation

Chronic, Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 552	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007412

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lymph Node	* Mammary Gland	* Pituitary Gland	* Skin
* Thyroid Gland	* Urinary Bladder		

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**MISSING**

* Ovary	* Thymus
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**OBSERVATIONS**

* Kidney		Histiocytic Sarcoma	
		Hydronephrosis	Moderate
[ Hydronephrosis TGLS = 3-5 ]			
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Minimal
Skeletal Muscle		Sarcoma	
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-5 ]			
* Stomach, Forestomach		Ulcer	Moderate
* Stomach, Glandular		Hemorrhage	Minimal
* Uterus		Sarcoma	
[ Sarcoma TGLS = 1-9 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 553	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007413

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 554

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 3000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007414

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Urinary Bladder			

**OBSERVATIONS**

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Atypical, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 555	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007415

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Ovary		Cyst	Minimal
* Thymus		Hyperplasia	Atypical, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 556

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 3000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007416

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 557	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007417

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Moderate
* Lymph Node, Mandibular [ Hyperplasia TGLS = 1-4 ]		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 558	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007418

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 559	<b>TRT#:</b> 10 <b>DOSE:</b> 3000 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007419
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

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**OBSERVATIONS**

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 560

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 3000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007420

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Bone Marrow	* Brain	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 561	<b>TRT#:</b> 10 <b>DOSE:</b> 3000 PPM	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 26 <b>HISTO:</b> 2007421
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Liver
* Lung	* Lymph Node	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder	* Uterus	

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**OBSERVATIONS**

* Brain	Neuron	Necrosis	Mild
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Marked
* Thymus		Atrophy	Diffuse, Moderate

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**PRIMARY CAUSE OF DEATH** - Brain Neuron Necrosis

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 562	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007422

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Atypical, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 563	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007423

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 564	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007424

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lymph Node			
Note: Mediastinal lymph node was not available for processing			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 565	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 3000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007425

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

---

**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: Mediastinal lymph node was not available for processing			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 566	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007426

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder		

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Atypical, Moderate
[ Hyperplasia TGLS = 1-7 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 567	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007427

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Bone	* Bone Marrow
* Brain	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Atypical, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 568

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 12,000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007428

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

\* Lymph Node

Note: MEDIASTINAL LYMPH NODE NORMAL.

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 569	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007429

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
		Necrosis	Focal, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Ovary	Periovarn Tiss	Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Atypical, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 570	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007430

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 571	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007431

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 572

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 12,000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007432

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 573

**TRT#:** 12  
**DOSE:** 12,000 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 185  
**HISTO:** 2007433

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

**OBSERVATIONS**

* Kidney		Hydronephrosis	Marked
		Nephropathy	Minimal
[ Hydronephrosis TGLS = 4-9 ]			
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
Ureter		Cyst	Marked
Note: Ureteral cyst = dilatation			
[ Cyst TGLS = 2-9 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-6 ]			
Vagina	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 3-10 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 574	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007434

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 575

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 12,000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007435

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Urinary Bladder			

**MISSING**

\* Lymph Node

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE MISSING.			
* Ovary		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Atypical, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 576

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 184

**DOSE:** 12,000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 2007436

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Bone Marrow

\* Brain

\* Heart

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Intestine Large, Rectum

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Lung

\* Lymph Node

\* Lymph Node, Mandibular

\* Lymph Node, Mesenteric

\* Mammary Gland

\* Ovary

\* Pituitary Gland

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

\* Thymus

\* Thyroid Gland

\* Urinary Bladder

\* Uterus

**OBSERVATIONS**

\* Lymph Node

Note: MEDIASTINAL LYMPH NODE NORMAL.

\* Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 577	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007437

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 578	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 185
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007438

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 579	<b>TRT#:</b> 12 <b>DOSE:</b> 12,000 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 185 <b>HISTO:</b> 2007439
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder

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**MISSING**

\* Lymph Node

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**OBSERVATIONS**

* Lymph Node			
Note: MEDIASTINAL LYMPH NODE MISSING.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99036-01  
**Test Type:** 26-WEEK  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/TG:P16-INK4A

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Transgenic model evaluation II (Phenolphthalein)  
**CAS Number:** 77-09-8

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 22:57:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 580	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 184
	<b>DOSE:</b> 12,000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 2007440

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Hyperplasia	Atypical, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE