

FINAL REPORT

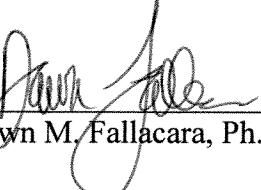
**2-YEAR CHRONIC TOXICITY/CARCINOGENICITY FEEDING STUDY
OF TOBACCO BLEND AND AQUEOUS TOBACCO EXTRACT IN
WISTAR HAN RATS**

12-MONTH REPEATED DOSE CHRONIC TOXICITY STUDY

**TESTING FACILITY:
BATTELLE**

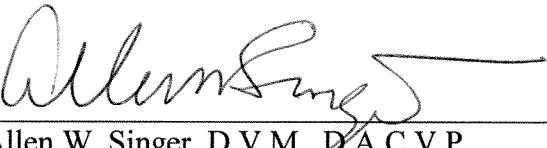
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JANUARY 2011

SIGNATURE PAGE

Dawn M. Fallacara, Ph.D., M.S.

Date 1/11/11

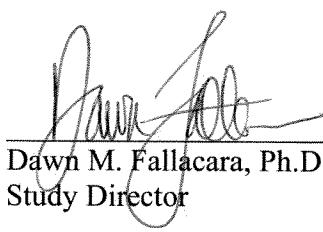


Allen W. Singer, D.V.M., D.A.C.V.P

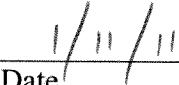
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GOOD LABORATORY PRACTICE COMPLIANCE STATEMENT

This study was conducted in compliance with the Food and Drug Administration's (FDA) Good Laboratory Practice (GLP) regulations (21 CFR Part 58), for the conduct of non-clinical laboratory studies with the following exceptions: characterization and stability analysis of bulk test articles ([Appendix B](#)) and serology analyses ([Appendix F](#)) were conducted, as intended, under non-GLP development procedures.



Dawn M. Fallacara, Ph.D., M.S.
Study Director



Date
11/11/11

QUALITY ASSURANCE STATEMENT

Phase Inspected	Date Inspected	Date Reported to Study Director and Management
Protocol review	02/11/2009	02/11/2009
Animal room inspection	02/17/2009	02/19/2009
Test system receipt	02/17/2009	02/19/2009
Sexing	02/17/2009	02/19/2009
Formulation preparation	02/18/2009	02/19/2009
Dispensing	02/18/2009	02/19/2009
Sample collection	02/18/2009	02/19/2009
Sample weights	02/18/2009	02/19/2009
Formulation analysis	02/18-19/2009	02/19/2009
Homogeneity analysis	02/19/2009	02/19/2009
Ophthalmic examinations	02/20/2009	02/20/2009
Group assignment	02/26/2009	02/26/2009
Randomization	02/26/2009	02/26/2009
Test system identification	02/26/2009	02/26/2009
Dispensing	03/02/2009	03/02/2009
Animal care functions	03/03/2009	03/03/2009
Animal room inspection	03/03/2009	03/03/2009
Body weights	03/03/2009	03/03/2009
Clinical observations	03/03/2009	03/03/2009
Food consumption measurements	03/03/2009	03/03/2009
Test article administration - dosed feed	03/03/2009	03/03/2009
Test system identification	03/04/2009	03/05/2009
Protocol amendment review	03/09/2009	03/09/2009
Audit study file	03/18/2009	03/18/2009
Audit study file	03/19/2009	03/19/2009
Blood collection	03/30-31/2009	03/31/2009
Centrifugation	03/30-31/2009	03/31/2009
Sample aliquoting	03/30-31/2009	03/31/2009
Test system identification	03/30-31/2009	03/31/2009
Serum preparation/dilutions	04/01/2009	04/01/2009
Sample weights	04/03/2009	04/03/2009
Stock solution preparation	04/03/2009	04/03/2009
Animal room formulation analysis	04/06/2009	04/07/2009
Formulation preparation	04/13-14/2009	04/20/2009
Dispensing	04/13-14/2009	04/20/2009
Sample collection	04/13-14/2009	04/20/2009
Sample weights	04/13-14/2009	04/20/2009
Plasma analysis	04/15/2009	04/16/2009
Dispensing	04/23/2009	04/24/2009
Audit study file	05/04/2009	05/04/2009
Audit study file	05/26/2009	05/26/2009
Audit study file	06/02/2009	06/02/2009
Anesthetization	06/02-03/2009	06/03/2009
Blood collection	06/02-03/2009	06/03/2009
Centrifugation	06/02-03/2009	06/03/2009

Phase Inspected	Date Inspected	Date Reported to Study Director and Management
Sample aliquoting	06/02-03/2009	06/03/2009
Test system identification	06/02-03/2009	06/03/2009
Animal care functions	06/29/2009	06/29/2009
Animal room inspection	06/29/2009	06/29/2009
Body weights	06/29/2009	06/29/2009
Clinical observations	06/29/2009	06/29/2009
Food consumption measurements	06/29/2009	06/29/2009
Test article administration - dosed feed	06/29/2009	06/29/2009
Audit study file	07/23/2009	07/23/2009
Audit study file	08/20/2009	08/20/2009
Anesthetization	08/28/2009	08/31/2009
Blood collection	08/28/2009	08/31/2009
Serologies	08/28/2009	08/31/2009
Centrifugation	08/28/2009	08/31/2009
Humane termination	08/28/2009	08/31/2009
Gross necropsy	08/28/2009	08/31/2009
Specimen processing	08/28/2009	08/31/2009
Formulation preparation	09/02/2009	09/03/2009
Dispensing	09/02/2009	09/03/2009
Sample collection	09/02/2009	09/03/2009
Sample weights	09/02/2009	09/03/2009
Formulation analysis	09/08, 09/2009	09/11/2009
Animal care functions	09/21/2009	09/22/2009
Body weights	09/21/2009	09/22/2009
Clinical observations	09/21/2009	09/22/2009
Food consumption measurements	09/21/2009	09/22/2009
Test article administration - dosed feed	09/21/2009	09/22/2009
Blood collection	09/29-30/2009	09/30/2009
Centrifugation	09/29-30/2009	09/30/2009
Sample aliquoting	09/29-30/2009	09/30/2009
Test system identification	09/29-30/2009	09/30/2009
Plasma analysis	10/01, 05, 06/2009	10/08/2009
Anesthetization	11/09/2009	11/10/2009
Blood collection	11/09/2009	11/10/2009
Serologies	11/09/2009	11/10/2009
Humane termination	11/09/2009	11/10/2009
Gross necropsy	11/09/2009	11/10/2009
Audit study file	11/24/2009	11/24/2009
Audit study file	12/17/2009	12/17/2009
Animal care functions	01/11/2010	01/12/2010
Animal room inspection	01/11/2010	01/12/2010
Body weights	01/11/2010	01/12/2010
Clinical observations	01/11/2010	01/12/2010
Food consumption measurements	01/11/2010	01/12/2010
Test article administration - dosed feed	01/11/2010	01/12/2010
Blood collection	02/02-03/2010	02/03/2010

Phase Inspected	Date Inspected	Date Reported to Study Director and Management
Centrifugation	02/02-03/2010	02/03/2010
Sample aliquoting	02/02-03/2010	02/03/2010
Test system identification	02/02-03/2010	02/03/2010
Audit study file	02/04/2010	02/04/2010
Plasma analysis	02/04-05/2010	02/05/2010
Audit study file	02/09/2010	02/09/2010
Formulation preparation	02/17/2010	02/18/2010
Dispensing	02/17/2010	02/18/2010
Sample collection	02/17/2010	02/18/2010
Sample weights	02/17/2010	02/18/2010
Formulation analysis	02/17-18/2010	02/19/2010
Audit study file	02/22/2010	02/22/2010
Anesthetization	03/02/2010	03/05/2010
Fasting	03/02/2010	03/05/2010
Blood collection	03/02/2010	03/05/2010
Body weights	03/02/2010	03/05/2010
Clinical observations	03/02/2010	03/05/2010
Clinical lab blood processing/analysis	03/02/2010	03/05/2010
Humane termination	03/02/2010	03/05/2010
Necropsy/tissue collection	03/02/2010	03/05/2010
Organ weights	03/02/2010	03/05/2010
Urine collection	03/02/2010	03/05/2010
Urinalysis	03/02/2010	03/05/2010
Audit study file	03/10/2010	03/10/2010
Ophthalmic examinations	03/15/2010	03/15/2010
Protocol amendment review	03/25/2010	03/25/2010
Anesthetization	04/07/2010	04/08/2010
Blood collection	04/07/2010	04/08/2010
Serologies	04/07/2010	04/08/2010
Humane termination	04/07/2010	04/08/2010
Gross necropsy	04/07/2010	04/08/2010
Audit study file	04/09/2010	04/09/2010
Protocol amendment review	04/19/2010	04/19/2010
Audit study file	04/28/2010	04/28/2010
Audit study file	05/04/2010	05/04/2010
Protocol amendment review	05/13/2010	05/13/2010
Dispensing	05/26/2010	05/27/2010
Animal care functions	05/27/2010	05/27/2010
Food consumption measurements	05/27/2010	05/27/2010
Test article administration - dosed feed	05/27/2010	05/27/2010
Animal care functions	06/01/2010	06/02/2010
Animal room inspection	06/01/2010	06/02/2010
Blood collection	06/01/2010	06/02/2010
Body weights	06/01/2010	06/02/2010
Centrifugation	06/01/2010	06/02/2010

Phase Inspected	Date Inspected	Date Reported to Study Director and Management
Clinical observations	06/01/2010	06/02/2010
Environmental monitoring	06/01/2010	06/02/2010
Food consumption measurements	06/01/2010	06/02/2010
Sample aliquoting	06/01/2010	06/02/2010
Test article administration - dosed feed	06/01/2010	06/02/2010
Test system identification	06/01/2010	06/02/2010
Protocol amendment review	06/04/2010	06/04/2010
Plasma analysis	06/16-17/2010	06/18/2010
Audit study file	06/17/2010	06/17/2010
Audit study file	07/21/2010	07/21/2010
Audit study file	07/23/2010	07/23/2010
Formulation preparation	08/02/2010	08/02/2010
Dispensing	08/02/2010	08/02/2010
Sample collection	08/02/2010	08/02/2010
Sample weights	08/02/2010	08/02/2010
Audit study file	08/03/2010	08/03/2010
Standard preparation	08/03/2010	08/09/2010
Formulation analysis	08/06/2010	08/09/2010
Audit study file	08/13/2010	08/13/2010
Audit study file	08/20/2010	08/20/2010
Audit interim report	09/14/2010	09/14/2010
Audit study file	09/15/2010	09/15/2010
Audit clinical pathology narrative	09/17/2010	09/17/2010
Audit pathology narrative	09/17/2010	09/17/2010
Animal care functions	09/21/2010	09/21/2010
Animal room inspection	09/21/2010	09/21/2010
Body weights	09/21/2010	09/21/2010
Clinical observations	09/21/2010	09/21/2010
Food consumption measurements	09/21/2010	09/21/2010
Test article administration - dosed feed	09/21/2010	09/21/2010
Test system identification	09/28/2010	09/29/2010
Blood collection	09/28/2010	09/29/2010
Centrifugation	09/28/2010	09/29/2010
Sample aliquoting	09/28/2010	09/29/2010
Plasma analysis	10/08/2010	10/11/2010
Audit study file	10/19/2010	10/19/2010
Audit study file	11/03/2010	11/03/2010
Formulation preparation	11/22/2010	11/22/2010
Dispensing	11/22/2010	11/22/2010
Sample collection	11/22/2010	11/22/2010
Formulation analysis	11/22/2010	11/22/2010
Audit study file	12/13/2010	12/13/2010
Audit 12-month chronic toxicity final report	12/21/2010	12/21/2010

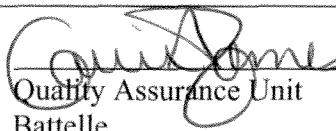

 Quality Assurance Unit 1/11/11
 Battelle

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SUMMARY

The objective of this study was to compare the toxicity of a tobacco blend, aqueous tobacco extract, and appropriate control (diet negative control) in rodents. The following evaluations were performed: clinical observations, body weights, food consumption, clinical pathology, gross necropsy, selected organ weights, and microscopic exams. The overall summary of the study design and the estimated target nicotine doses of the tobacco blend and aqueous tobacco extract test articles are listed below (Table 1):

Table 1. Study Design for the 12-Month Repeated Dose Chronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in Wistar Han Rats

Group	Target Dosage of Nicotine (mg/kg BW ^a /day)	Dose Group Abbreviations ^b	
		Males	Females
1 - Control-A	0	CM	CF
2 - Control-B ^c	0	--	--
3 - Tobacco Blend Low Dose	0.2	B0.2M	B0.2F
4 - Tobacco Blend Intermediate Dose	2	B2M	B2F
5 - Tobacco Blend High Dose	5	B5M	B5F
6 - Tobacco Extract Low Dose	0.2	E0.2M	E0.2F
7 - Tobacco Extract Intermediate Dose	2	E2M	E2F
8 - Tobacco Extract High Dose	5	E5M	E5F
9 - Sentinels	0	--	--

a. BW = body weight.

b. Abbreviations used throughout the report to designate the dosage groups of male and female rats.

c. Control-B is an independent control group that duplicates Control-A for the 2-year carcinogenicity phase of the study.

-- = Not applicable.

Dosing concentrations were derived based on the information provided in [Tables 2 through 4](#).

Table 2. Consumption Parameters of Tobacco Blend and Tobacco Extract Formulations – Initial Preparation

Dose Group	Target Nicotine/kg BW ^a /day (mg/kgBW/d)	Estimated Food Consumption (kg/day)	Estimated Body Weight (kg)	Nicotine/kg feed (mg/kg)	TA ^b /kg Feed (mg/kg)	TA/mg Nicotine (mg/mg)	TA/kg BW/day (mg/kg/d)	TA/kg Feed (%)
B0.2M	0.2	0.025	0.20	1.6	61	38.051	8	0.01
B2M	2	0.025	0.20	16.0	609	38.051	76	0.06
B5M	5	0.025	0.20	40.0	1522	38.051	190	0.15
B0.2F	0.2	0.016	0.15	1.9	71	38.051	8	0.01
B2F	2	0.016	0.15	18.8	713	38.051	76	0.07
B5F	5	0.016	0.15	46.9	1784	38.051	190	0.18
E0.2M	0.2	0.025	0.20	1.6	70	43.497	9	0.01
E2M	2	0.025	0.20	16.0	696	43.497	87	0.07
E5M	5	0.025	0.20	40.0	1740	43.497	217	0.17
E0.2F	0.2	0.016	0.15	1.9	82	43.497	9	0.01
E2F	2	0.016	0.15	18.8	816	43.497	87	0.08
E5F	5	0.016	0.15	46.9	2039	43.497	217	0.20

a. BW = body weight.

b. TA = test article.

Table 3. Consumption Parameters of Tobacco Blend and Tobacco Extract Formulations – Second Preparation

Dose Group	Target Nicotine/kg BW ^a /day (mg/kgBW/d)	Estimated Food Consumption (kg/day)	Estimated Body Weight (kg)	Nicotine/kg feed (mg/kg)	TA ^b /kg Feed (mg/kg)	TA/mg Nicotine (mg/mg)	TA/kg BW/day (mg/kg/d)	TA/kg Feed (%)
B0.2M	0.2	0.025	0.30	2.4	91	38.051	8	0.01
B2M	2	0.025	0.30	24.0	913	38.051	76	0.09
B5M	5	0.025	0.30	60.0	2283	38.051	190	0.23
B0.2F	0.2	0.016	0.20	2.5	95	38.051	8	0.01
B2F	2	0.016	0.20	25.0	951	38.051	76	0.10
B5F	5	0.016	0.20	62.5	2378	38.051	190	0.24
E0.2M	0.2	0.025	0.30	2.4	104	43.497	9	0.01
E2M	2	0.025	0.30	24.0	1044	43.497	87	0.10
E5M	5	0.025	0.30	60.0	2610	43.497	217	0.26
E0.2F	0.2	0.016	0.20	2.5	109	43.497	9	0.01
E2F	2	0.016	0.20	25.0	1087	43.497	87	0.11
E5F	5	0.016	0.20	62.5	2719	43.497	217	0.27

a. BW = body weight.

b. TA = test article.

Table 4. Consumption Parameters of Tobacco Blend and Tobacco Extract Formulations – Subsequent Preparations

Dose Group	Target Nicotine/kg BW ^a /day (mg/kgBW/d)	Estimated Food Consumption (kg/day)	Estimated Body Weight (kg)	Nicotine/kg feed (mg/kg)	TA ^b /kg Feed (mg/kg)	TA/mg Nicotine (mg/mg)	TA/kg BW/day (mg/kg/d)	TA/kg Feed (%)
B0.2M	0.2	0.025	0.40	3.2	122	38.051	8	0.01
B2M	2	0.025	0.40	32.0	1218	38.051	76	0.12
B5M	5	0.025	0.40	80.0	3044	38.051	190	0.30
B0.2F	0.2	0.016	0.25	3.1	119	38.051	8	0.01
B2F	2	0.016	0.25	31.3	1189	38.051	76	0.12
B5F	5	0.016	0.25	78.1	2973	38.051	190	0.30
E0.2M	0.2	0.025	0.40	3.2	139	43.497	9	0.01
E2M	2	0.025	0.40	32.0	1392	43.497	87	0.14
E5M	5	0.025	0.40	80.0	3480	43.497	217	0.35
E0.2F	0.2	0.016	0.25	3.1	136	43.497	9	0.01
E2F	2	0.016	0.25	31.3	1359	43.497	87	0.14
E5F	5	0.016	0.25	78.1	3398	43.497	217	0.34

a. BW = body weight.

b. TA = test article.

1.0 INTRODUCTION

The objective of this study was to evaluate the toxicity of a tobacco blend and aqueous tobacco extract in comparison with a diet negative control, and evaluate comparable doses of tobacco blend with aqueous tobacco extract in Wistar Han rats.

R.J. Reynolds Tobacco Company was the Sponsor of the study. Dr. Suzana Theophilus was designated as the Sponsor Monitor and approved the study protocol.

This study was conducted at Battelle under the direction of Dr. Milton Hejtmancik from study initiation through April 19, 2010. The remainder of the study was conducted under the direction of Dr. Dawn M. Fallacara. The in-life portion of the study began with exposure initiation on March 3, 2009 and ended with final necropsy on March 5, 2010.

2.0 EXPERIMENTAL DESIGN

(b) (4)

3.0 METHODS

3.1 Protocol and Amendments

The study protocol, amendments to the protocol and deviations from the protocol are provided in [Appendix A](#). There were no deviations that occurred during the conduct of the study that were considered to significantly affect the quality or integrity of the study.

3.2 Test Articles (Tobacco Blend, Aqueous Tobacco Extract)

Test articles, a natural tobacco blend containing no additives and an aqueous tobacco extract, were supplied by R.J. Reynolds Tobacco Company and were received on May 7, 2008 in good condition. A total of approximately 1278 lbs of tobacco blend (Lot No. OT162AF) was received in 71 containers (18 lbs per bucket) and a total of approximately 1105.5 lbs of tobacco extract (Lot No. OT162AE) was received in 33 containers (33.5 lbs per bucket). Test articles were provided by the Sponsor in plastic buckets and were stored frozen (-30 to -15°C). The Certificates of Analysis for test articles are provided in [Appendix B](#). The identity, strength, purity, composition, stability, and methods of synthesis of test articles were the responsibility of the Sponsor.

Reserve samples of each set of the tobacco blend and aqueous tobacco extract test articles used to formulate the animal diets were collected under design form CN49730A-TASTAB. Reserve samples of the tobacco blend and tobacco extract will be maintained frozen (-30 to -15°C) until submission of the 2-year carcinogenicity study final report.

3.3 Formulation Preparation and Analysis

3.3.1 Formulation Preparation

Diet formulations were prepared at monthly intervals for the first 3 months and bi-monthly thereafter according to a procedure developed by Battelle for this study, based on methods provided by the Sponsor. The concentration of test article in the feed was based on the anticipated food consumption and body weight changes of Wistar Han rats to maintain a constant dose throughout the study. Exposure of the animals to the test articles was by *ad libitum* consumption of the NTP-2000 powdered feed. Formulations were stored at room

temperature prior to use and were discarded on or after their expiration date. Stability of formulations was evaluated under design form CN49730A-FORMPRE.

3.3.2 Chemical Analysis of Formulations

One formulation analysis sample and one formulation retention sample were taken from the formulation batches prepared for each diet at each dose and were stored at room temperature. Nicotine was used as the tracking compound for the formulation analysis. Animal room samples were collected on the last day of use of the first formulation preparation. Homogeneity was evaluated during the first and fourth dose formulations.

3.4 Experimental Animals

A total of 280 male and female Wistar Han rats (140 per sex) were required for the study. A sufficient number of animals were obtained from Charles River Laboratories (Raleigh, NC) to provide the required number of healthy animals for testing. The rats were approximately 5 weeks of age at animal receipt and ranged in body weight from approximately 110 to 193 grams at Day 1 of the study. Rats were housed in room 7C-066.

The rat was chosen as the test system because considerable scientific documentation of the rat as a predictive animal model for humans exists, and there are no *in vitro* or computer models that can replace the integrative function of the whole animal model. The Battelle Institutional Animal Care and Use Committee approved the proposed activities before implementation of this study.

3.4.1 Animal Housing and Environmental Conditions

All animals were received, quarantined, and housed in polycarbonate cages with hardwood bedding according to testing facility standard operating procedures (SOPs). Male rats assigned to study were housed up to two per cage and female rats assigned to study were housed up to three per cage. All housing and animal care and maintenance conformed to the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC) recommendations, current requirements stated in the Guide for the Care and Use of Laboratory Animals (National Research Council, 1996).

The environmental conditions of the animal study rooms conformed to the following: (1) the light/dark cycle was set to maintain approximately 12 hours of light and 12 hours of dark each day during the study using fluorescent lighting, starting at approximately 6:00 AM each day; (2) the room temperature and relative humidity controls were set to provide from 64 to 79°F and 30 to 70 percent, respectively, and were monitored for conformance; and (3) fresh air was supplied to the room at a rate providing a minimum of ten changes of room air per hour.

3.4.2 Diet

Animals were fed powdered NTP-2000 rodent diet *ad libitum* according to facility SOP except when fasted prior to scheduled necropsy. The control group was fed the diet without test article and treated animals were fed the diet with the specified quantity of test article required to maintain their designated doses. Analysis reports of each feed lot were supplied by the vendor and were maintained by Battelle. There were no known or reported contaminants in the feed that would have any impact on study results or interpretations.

3.4.3 Water

Fresh water from the city of Columbus municipal water supply was provided *ad libitum* via automatic watering system. The water supply was monitored under Battelle SOPs. Water samples were collected within 6 months from the start of the study on December 9, 2008 for chemical and microbial analysis. Results were available on January 7, 2009 and indicated there were no known or reported contaminants in the water that would have any impact on study results or interpretations.

3.5 Treatment Group Allocation and Animal Identification

Animals were identified by pre-study numbers on cage cards during quarantine and acclimation. Following group assignment, rats were individually identified by tail tattoo.

Prior to the initiation of exposures, animals were assigned to study groups using the PATH/TOX SYSTEM (Version 4.2.2, Xybion Medical Systems Corporation, Cedar Knolls, NJ). The PATH/TOX SYSTEM software algorithm ensures homogeneity of group variances with respect to body weight across all groups. The following were the group assignments and animal identification numbers:

Animal Identification Numbers		
Group	Males	Females
1	101-120	1101-1120
2 ^a	--	--
3	301-320	1301-1320
4	401-420	1401-1420
5	501-520	1501-1520
6	601-620	1601-1620
7	701-720	1701-1720
8	801-820	1801-1820
9	901-930	1901-1930

a. Group 2 is an independent control group that duplicates Group 1 for the 2-year carcinogenicity phase of the study.

3.6 Experimental Design

Rats were randomized into seven treatment groups and one sentinel group. The 12-month toxicity study included the following endpoints to evaluate the potential chronic toxicity of tobacco blend and aqueous tobacco extract: clinical observations, body weights, body weight changes, food consumption, clinical pathology, gross necropsy, selected organ weights, and microscopic exams.

3.7 Clinical Observations

Cage-side observations for moribundity and mortality were made twice daily, once in the morning and once in the afternoon, throughout the duration of study. Clinical examinations were conducted on all animals at weekly intervals. A final detailed clinical examination was conducted on each study rat on the day of scheduled necropsy.

3.8 Body Weights

Individual body weights of animals were recorded on Day -11 (with respect to males) for randomization and group assignment. After initiation of dosing, body weights were recorded weekly for the first 13 weeks of the study and every 4 weeks thereafter until study termination.

3.9 Food Consumption

Food consumption was measured over an approximate 24 hour period starting on Study Day 1. Food consumption was measured weekly for the first 13 weeks of the study and every 4 weeks thereafter until study termination. A known amount of food was placed in the feed container

and reweighed after 7 days. The difference in the weight of the food container was taken as a measurement of food consumed per cage. Food consumption (g/day) was calculated for each cage as the average quantity consumed per animal per day.

3.10 Clinical Pathology

Clinical chemistry, hematology, and coagulation assessments were performed on all surviving core study rats on the day of their scheduled necropsy. Urinalysis was conducted for ten surviving study rats per group.

Rats were fasted overnight prior to scheduled blood sampling for hematology, coagulation, and clinical chemistry determinations. Blood samples were collected under CO₂/O₂ anesthesia from the retro-orbital sinus for hematology and serum chemistry determinations, and collected via the vena cava for coagulation parameters. The tubes contained ethylene diamine tetraacetic acid (EDTA) as an anticoagulant for blood samples collected for hematology. The tubes used for serum chemistry determinations did not contain any anticoagulant, but did contain a serum separator gel. Sodium citrate was used as the anticoagulant for the coagulation assay, from which prothrombin time was evaluated.

3.10.1 Hematology

Hematologic parameters measured or calculated were as follows:

Erythrocyte count (RBC)	Mean corpuscular hemoglobin
Hemoglobin (HGB)	concentration (MCHC) (calculated)
Hematocrit (HCT) (calculated)	Reticulocyte count (RET) (absolute)
Mean corpuscular volume (MCV)	Platelet count (PLT)
Mean corpuscular hemoglobin (MCH) (calculated)	Total leukocyte count (WBC) WBC differential (absolute)

3.10.2 Serum Chemistries

Serum chemistries measured or calculated were as follows (listed in order of priority left column top to bottom, then right column top to bottom):

Aspartate aminotransferase (AST)	Cholesterol (total) (CHOL)
Direct bilirubin	Creatinine (CREA)
Total bilirubin (TBIL)	Total protein (TP)
Gamma-glutamyl transferase (GGT)	Urea nitrogen (BUN)
Albumin (ALB)	Calcium (total) (CA)
Globulin (calculated) (GLOB)	Chloride (CL)
Albumin/globulin ratio (calculated) (AGR)	Phosphorus (PHOS)
Alkaline phosphatase (ALP)	Potassium (K)
Glucose (GLU)	Sodium (NA)
Triglycerides (TRIG)	

3.10.3 Urinalysis

Rats were placed in metabolism cages and urine was collected overnight according to facility SOP's. Water, but no food, was provided to the animals. The following urinalysis parameters were evaluated (listed in order of priority left column top to bottom, then right column top to bottom):

Appearance	Glucose
Color	Protein
Volume	Specific gravity
pH	Microscopic examination of sediment ^a

a. Sediment was evaluated for white blood cells, red blood cells, casts, epithelial cells, mucus, sperm, bacteria, yeast, amorphous sediment, and crystals.

3.11 Necropsy and Organ Weights

After at least 12 months of dosing, all surviving core toxicity animals (excluding sentinels) were fasted overnight and humanely terminated using a combination of CO₂ inhalation and exsanguination. Terminal body weights were determined and external features of the animals were evaluated prior to euthanasia, followed by necropsy.

Each necropsy included: examination of the external surface of the body; all orifices; the cranial, thoracic, abdominal and pelvic cavities and their contents; and collection of all tissues listed in the protocol, as well as gross findings. All scheduled necropsies were conducted under the supervision of a board-certified veterinary pathologist.

The following tissues were collected according to facility SOP. Tissues were fixed in 10 percent neutral buffered formalin (NBF), with the exception of testes, which were preserved in Bouin's fixative and subsequently transferred to 70 percent ethanol, and eyes with optic

nerve were fixed in Davidson's fixative and subsequently transferred to 10 percent NBF, per facility SOP.

Tissues Collected at Necropsy

Animal identification ^a	Parathyroid/thyroid gland
Gross lesions	Pituitary gland
Adrenal glands	Preputial glands
Bone and marrow (femur)	Prostate
Brain (cerebrum, cerebellum, medulla)	Salivary gland (mandibular)
Clitoral gland	Sciatic nerve
Epididymides	Seminal vesicles
Esophagus, pharynx, trachea	Skeletal muscle (biceps femoris)
Eyes (with optic nerve)	Skin
Harderian glands	Small intestine (duodenum, jejunum, ileum)
Heart	Spinal cord (cervical, thoracic, lumbar)
Kidneys	Spleen
Large intestine (cecum, colon, rectum)	Sternum, bone marrow
Liver (median lobe and left lateral lobe)	Stomach (fore-stomach and glandular)
Lungs with bronchi	Testes
Mesenteric lymph node	Thymus
Mammary gland (females only)	Tongue
Nasal cavities and turbinates	Urinary Bladder
Ovaries (without oviduct)	Uterus
Oral cavity	Vagina
Pancreas	Zymbal glands

a. Collected but not processed.

The following organs were weighed for core rats euthanized at scheduled necropsy.

Organs Weighed at Necropsy

Adrenal glands ^a	Thyroid/parathyroid gland ^{a,b}
Brain	Seminal vesicles ^{a,b}
Epididymides ^a	Spleen
Heart	Ovaries (without oviduct) ^a
Kidneys ^a	Testes (without epididymides) ^a
Liver	Thymus
Lungs	Salivary glands (mandibular) ^a
Pituitary gland ^b	Uterus (with cervix)
Prostate ^b	

a. Paired organs weighed together.

b. Weighed after fixation.

3.12 Tissue Processing

All fixed tissues from the control (Group 1) and high dose groups (Groups 5 and 8) were processed to slides and stained with hematoxylin and eosin according to facility SOP for histopathologic examination.

3.13 Histopathologic Evaluation

Tissue slides from core rats in the control (Group 1) and high dose groups (Groups 5 and 8) were examined microscopically by a board-certified veterinary pathologist. An internal peer review was performed according to facility SOP.

3.14 Computer Systems for Data Management

(b) (4)



3.15 Data Analysis

(b) (4)



4.0 RESULTS

4.1 Chemical Analysis of Formulations

4.1.1 Pre-Dosing

Samples of formulations from the dose preparation of tobacco blend and tobacco extract were analyzed at Battelle for verification of nicotine concentrations based on methods provided by the Sponsor. Homogeneity was confirmed during the first and fourth dose formulations. A total of 97 and 90 tobacco blend and tobacco extract batches, respectively, were formulated and analyzed from the start of the study through March 2010. Of the 97 tobacco blend formulations, 24 had relative standard deviation's (RSD's) and/or average relative errors (RE) greater than 10%. The results of those formulations that did not meet acceptance criteria are presented in [Appendix D](#).

Because the test article for the blend is derived from tobacco plant material, the tobacco blend formulations are considered to be complex mixtures with varying particle sizes. Particle size is a primary factor affecting feed blend homogeneity and the production of blends is generally more difficult at the lower dosage levels ([Jameson and Walters, 1984](#)). This phenomenon was apparent in the current study where the RE and/or RSD for the low dose blend formulations used on study were generally $\geq 10\%$, but did not exceed 17.5% and 15.3%, respectively. Increasing the sample size from 3 to 6 during analysis diminished but did not eliminate the variability in test article concentration for the low dose formulations.

Of the 24 formulations that did not meet study specifications, six were discarded and new batches were prepared and analyzed. The remaining 18 formulations were approved for use by the Sponsor and/or study management. Of the 90 total tobacco extract formulations, six had RSD's and/or average RE's greater than 10%. Of these six formulations, one was discarded and a new batch was prepared and analyzed, and the remaining five formulations were approved for use by the Sponsor and/or study management. All remaining pre-dose formulations of tobacco blend and tobacco extract groups that were analyzed for nicotine concentration met acceptance criteria (within 10% of the target concentrations; RSD less than or equal to 10%). Results of pre-dosing formulation analyses and homogeneity studies

performed to support the 12-month toxicity study will be included as an audited formulation analysis report in the final report at the end of the 2-year carcinogenicity study.

4.1.2 Post-Dosing

Post-dose (animal room) samples were also analyzed for nicotine concentration from the first set of batches from the study. In general, the post-dose animal room concentrations agreed with the pre-dose concentrations. The concentration of all submitted post-dose formulation samples met the acceptance criteria for pre-dose samples (%RE within 10% of target; RSD less than or equal to 10%), with the following exceptions. The concentration results for 5-BLEND-3 (B0.2M) and 5-EXTRACT-1 (E0.2F) analyzed on April 6, 2009 had average REs of 10.3 and 23.4%, respectively.

4.2 Mortality

No treatment-related mortality occurred during the study. One male and one female rat in each of the B5M and B5F groups were found dead on Day 142 and Day 297, respectively, and two females in the E5F group were sacrificed as moribund on Day 351 and Day 353. No deaths occurred in any of the other male or female groups over the course of the study.

4.3 Clinical Observations

Group summaries of the clinical abnormalities reported for male and female rats are presented in [Table 5](#) and [Table 6](#), respectively. No treatment-related clinical signs of toxicity were apparent over the course of the study, and treated animals were similar to control in overt behavior and in general health and appearance. A single tissue mass was reported in each of the CM and the E5F groups. Clinical abnormalities occurred in only a few animals within each group, were considered to be minor in severity, and were not attributed to the administration of the test articles.

4.4 Body Weights

The group mean absolute body weights for male and female rats are presented in [Table 7](#) and [Table 8](#), respectively. The respective group mean absolute body weights are also presented in [Figure 1](#) and [Figure 2](#) for the tobacco blend (TB) test article, and in [Figure 3](#) and [Figure 4](#) for the tobacco extract (TE) test article. Treatment with the TB test article resulted in a significant reduction in the B5M group starting on Day 259 and ending with a 9.1%

reduction relative to control on Day 343. Among females, treatment with the TB and TE test articles resulted in significant reductions in the B5F and E5F groups beginning on Day 35. On Day 343, group mean absolute body weight reductions in the B5F and E5F groups versus CF were 19.3 and 14.6%, respectively. Reductions in the absolute body weights of B2F and E2F females versus CF were also apparent throughout the dosing period. The absolute group mean body weight of females in the B2F group was significantly lower than control on Day 70 through Day 91 and near study termination on Day 315 and Day 343. On study Day 343, the respective group mean absolute body weights of B2F and E2F females were significantly ($p \leq 0.05$) reduced 8.9 to 8.2% compared to control. Body weights were generally similar for TB and TE groups at comparable doses.

Group mean absolute body weight gains for male and female rats are presented in [Figure 5](#) and [Figure 6](#) for the TB groups and in [Figure 7](#) and [Figure 8](#) for the TE groups, respectively. The respective group mean percent body weight gains are presented in [Figure 9](#) and [Figure 10](#) for the TB groups, and in [Figure 11](#) and [Figure 12](#) for the TE groups.

4.5 Food Consumption

The group mean average food consumed per day for male and female rats is presented in [Table 9](#) and [Table 10](#), respectively, and is also presented in [Figure 13](#) and [Figure 14](#) for the TB test article and in [Figure 15](#) and [Figure 16](#) for the TE test article. Throughout the study, food consumption was generally similar between TB, TE, and control groups, except for B5F and E5F, which consumed less food than CF. Among males, significant differences in food consumption were apparent in the B5M and E0.2M groups during dosing; however, these aberrations were spurious and did not appear to be treatment-related. The grand mean average food consumed per day for male rats exposed to the TB and TE test articles did not exceed a 4% difference from control. Treatment-related reductions in food consumption were apparent among female rats. From Day 7 through Day 343, food consumption of B5F and E5F females was significantly ($p \leq 0.05$) reduced relative to CF, 18 and 16%, respectively. Females in the B2F and E2F groups also exhibited significant ($p \leq 0.05$) reductions in food consumption at various times during dosing. The grand mean food consumption for these groups, however, did not exceed a 4% difference from control. Food consumption was generally similar between TB and TE groups at comparable doses.

4.6 Clinical Pathology

4.6.1 Hematology

Group mean hematology data are presented in [Table 11](#) for male rats and [Table 12](#) for female rats. Group mean absolute white blood cell differential count data are included in [Table 13](#) for male rats and [Table 14](#) for female rats. Group mean coagulation data (prothrombin time) are included in [Table 16](#) for male rats and [Table 17](#) for female rats. There were no changes in any of the hematology parameters for the male treatment groups relative to control. A summary of changes in hematology parameters that were statistically different the female treatment groups are included in [Table 15](#). The B5F and E5F treatment groups showed a small decrease in red blood cell count, hematocrit, and hemoglobin concentration, and the E0.2F and E2F groups showed a spurious decrease in red blood cell counts. All of the changes in females were within 10 % of the female control group value ([Table 15](#)) and were within the range of the historical control ([Charles River, 2008](#)). For convenience and where applicable, the historical control range has been included on the summary tables if a treatment group value shows a difference from control that is statistically significant. TB and TE induced similar effects on hematology parameters at comparable doses.

4.6.2 Clinical Chemistry

Group mean clinical chemistry data are presented in [Table 18](#) for male rats and [Table 19](#) for female rats. A summary of the changes in the male and female treatment groups that were statistically different from control are included in [Table 20](#). The B2M, B5M, B5F, E2M, E2F, E5M, and E5F treatment groups showed an increase in blood urea nitrogen relative to that of their respective control group. The B5M, B5F, E2F, and E5F treatment groups showed an increase in phosphorus relative to control. These values for blood urea nitrogen and phosphorus were considered to be within the historical data base range for clinical pathology values for this rat strain. Mean serum cholesterol was increased in the B5F and E5F groups (15.7 and 22.9%, respectively), compared to CF. Although the increase in cholesterol was only statistically significant in E5F females, the increase in serum cholesterol results from both groups (E5F and B5F) were interpreted to be due to TB or TE administration in the diet. TB and TE induced similar effects on clinical chemistry parameters at comparable doses.

4.6.3 Urinalysis

Group mean urinalysis data (pH, specific gravity, and volume) are included in [Table 21](#) for male rats and [Table 22](#) for female rats. A summary of urinary parameters in the female treatment group that were statistically different from control are shown in [Table 23](#) included an increase in pH (E0.2F) and specific gravity (B5F) and a decrease in urine volume (B5F). These changes were considered to be isolated findings and not related to treatment. Urinalysis data for individual rats are included in [Table 24](#) for male rats and in [Table 25](#) for female rats. Individual animal urine sediment data is included in [Table 26](#) for male rats and [Table 27](#) for female rats. All urinary parameters in the male treatment groups were similar to control. Urine volume and urine specific gravity were within historical ranges for male and female rats ([Charles River, 1998](#)). TB and TE induced similar effects on urinalysis parameters at comparable doses.

4.7 Organ Weights

Group mean absolute organ weights are included in [Table 28](#) for male rats and in [Table 29](#) for female rats. A summary of changes in absolute organ weights that were statistically different are included in [Table 30](#) for male and female rats. Group mean terminal body weights and organ-to-body weight values are included in [Table 31](#) for male rats and in [Table 32](#) for female rats. A summary of the changes in the organ-to-body weight values that were statistically different from control are included in [Table 33](#). Significant depressions occurred in group mean body weight in the B5M, B2F, B5F, E2F, and E5F treatment groups. Significant changes in absolute organ weight and organ-to-body values are attributed to these decreases in body weight and not to any exposure-related toxicity. Organ-to-brain weight values are included in [Table 34](#) for male rats and in [Table 35](#) for female rats. A summary of the organ-to-brain weight values that were statistically different from control for male and female rats are included in [Table 36](#). A significant decrease in the organ-to-brain weight value occurred in thyroid (B5M and B5F), heart (B5F and E5F), and kidney (B5F and E5F), and an increase occurred in prostate (E0.2M), salivary gland (B2F), and uterus (B2F). Changes in organ weights were not dose-responsive and were not accompanied by microscopic correlates.

Statistical analysis of organ weight data that were conducted between each of the tobacco blend groups versus the comparable tobacco extract group revealed few changes and results are included in [Table 37](#). For absolute organ weight, there was a decrease in brain weight

(E2M) and an increase in pituitary (E5F) and thyroid (E5F) gland weights. For organ-to-body weight, there was a decrease in brain weight (E0.2F) and an increase in the weight of the epididymides (E2M) and kidneys (E2M). For organ-to-brain weight, there was an increase in the weights of the epididymides (E2M) and lungs (E2M). Again, the importance of these changes in the absence of microscopic findings is unclear.

4.8 Gross Lesions

A few macroscopic findings were observed at necropsy, none of which were interpreted to be related to the TB or TE test article administration. Individual animal gross observations are presented in [Appendix E](#) ([Tables E-7](#) and [E-8](#)). All animals for which gross observations are not listed were unremarkable at necropsy.

4.9 Histopathology

Incidence summaries of microscopic observations are presented in [Tables 38](#) and [39](#). A few microscopic findings (non-neoplastic and neoplastic) were observed in tissues from male and female rats in the control, TB, and TE groups.

All changes were of low incidence (one to two per group), with the exception of (three to six per group) adrenal cortex hypertrophy in the B5M group, heart cardiomyopathy in the CM and B5M groups, kidney nephropathy in the B5M and E5M groups, an increase in lung alveolar macrophages in the CM and E5F groups, bilateral atrophy of the testes in the E5M group, and cystic endometrial hyperplasia of the uterus in the B5F group. All such changes were typical of background lesions and were interpreted to be neither toxicologically nor biologically significant. None of the microscopic lesions in this study were interpreted to be related to the TB or TE test article administration.

4.10 Pathology Conclusions

Exposure of Wistar Han male and female rats to various concentrations of tobacco blend and tobacco aqueous extract by dosed feed at target levels as high as 5 mg/kg/day of nicotine for 12 months resulted in significant decrease in terminal body weights in groups given target doses of 2 or 5 mg nicotine/kg body weight/day (Groups B2F, B5F, E2F, E5F, and B5M). There were no treatment-related gross or microscopic findings. Changes in organ weights were secondary to decreased body weights, which were due to decreased food consumption in male and female rats.

5.0 DISCUSSION

No treatment-related mortality occurred in the 12-month toxicology group rats. These animals were terminated according to schedule on March 2-5, 2010. There were no exposure related clinical signs of toxicity in the toxicology study treatment group. Treated animals were similar to control in overt behavior and in general health and appearance.

The only apparent treatment-related effect was on group mean body weight. On Study Day 343, the B5M group showed a 9.1% reduction in group mean body weight relative to control and this change was statistically significant. The corresponding E5M group showed a smaller reduction in body weight of 6.5% but this change was not statistically different from the control group value. The overall food consumption value for these treatment groups however was only depressed 2.8% relative to control. The B5F and E5F treatment groups also showed a decrease in group mean body weight of 19.3 and 14.6%, respectively, and these changes were both statistically different from the control group value. The overall food consumption values for B5F and E5F groups were depressed 18.0 and 16.0%, respectively, relative to control and would have contributed to the reduced weight gain in these treatment groups. Body weights and food consumption were generally similar for TB and TE groups at comparable doses.

Clinical pathology studies were performed in conjunction with the 12-month interim termination. There were no treatment-related differences between the male and female groups in prothrombin time or in the white blood cell differential cell count. There were no differences from control in hematology values for the male treatment groups, and TB and TE induced similar effects on hematology parameters at comparable doses. The B5F and E5F treatment groups showed a small decrease in red blood cell count, hematocrit, and hemoglobin concentration and the E0.2F and E2F groups showed a decrease in red blood cell count. All of the changes in females were within 10% of the female control group value and were within the range of historical control ([Charles River, 2008](#)). While treatment was associated with a small increase in blood urea nitrogen and serum phosphorus in several exposure groups, these values were within the normal range of the historical data base for clinical pathology for rats of this age and strain. Elevation in serum cholesterol for E5F and B5F females was interpreted to be

due to TB and TE administration in the diet and is consistent with findings reported in the available literature ([Abd el Mohsen et al., 1997](#)). TB and TE induced similar effects on hematology parameters at comparable doses.

Changes in absolute organ weight and organ-to-body weight values were small in magnitude and did not have a microscopic correlate. Therefore, these changes were attributed to the decreases in body weight and not to any exposure related toxicity.

No treatment related gross lesions were identified at necropsy. Microscopic examination did not reveal any potential target organ at the 12-month interim termination. Few macroscopic and microscopic lesions (non-neoplastic and neoplastic) were observed in tissues from rats in the TB and TE dose groups. All such findings were typical of spontaneous background changes observed in untreated laboratory rats of this strain and were interpreted to be neither toxicologically nor biologically significant ([Mitsumori et al., 2001](#), [Son et al., 2010](#)). The TB and TE test articles induced similar responses at comparable doses.

6.0 REFERENCES

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7.0 SPECIMEN STORAGE AND RECORD ARCHIVES

The pertinent study records will be maintained according to SOPs. The Battelle study records and final report are maintained under the direction of Battelle.

The final report, study files, records, wet tissues, and slides will be maintained for a period of no less than one year after issuance of the final report for the 2-year carcinogenicity study. After one year, the Sponsor will provide authorization concerning the disposition of those items.

8.0 CONTRIBUTING PERSONNEL

Participant	Role
Study Director/Toxicologist (February 12, 2009-April 19, 2010):	Dr. Milton Hejtmancik
Study Director/Toxicologist (April 20, 2010-Present):	Dr. Dawn M. Fallacara
Study Pathologist:	Dr. Anthony J. Skowronek
Clinical Pathologist:	Dr. Michael J. Ryan
Peer Review Pathologist:	Dr. Matthew Buccellato
Peer Review Clinical Pathologist:	Dr. Sam J. Harbo
Study Health and Safety Officer:	Ms. Erica Gingerich
Study Veterinarian:	Dr. Susan Reed
Formulation Preparation Manager:	Ms. Natalie South
Histology Supervisor:	Ms. Connie Essman-Wood
Data Coordinator:	Ms. Beverly A. Baxter
PATH/TOX SYSTEM Data Coordinator:	Mr. Dale Thoma
Pathology Manager:	Dr. Daphne Y. Vasconcelos
Chemistry Manager:	Dr. Brian L. Burback
Laboratory Animal Manager:	Ms. Tammy M. Wheat
Facilities and Veterinary Support Manager:	Mr. Richard A. Shank
Study Management Manager:	Dr. Barney R. Sparrow
Product Line Manager, Toxicology Columbus:	Dr. Diane K. Gerken

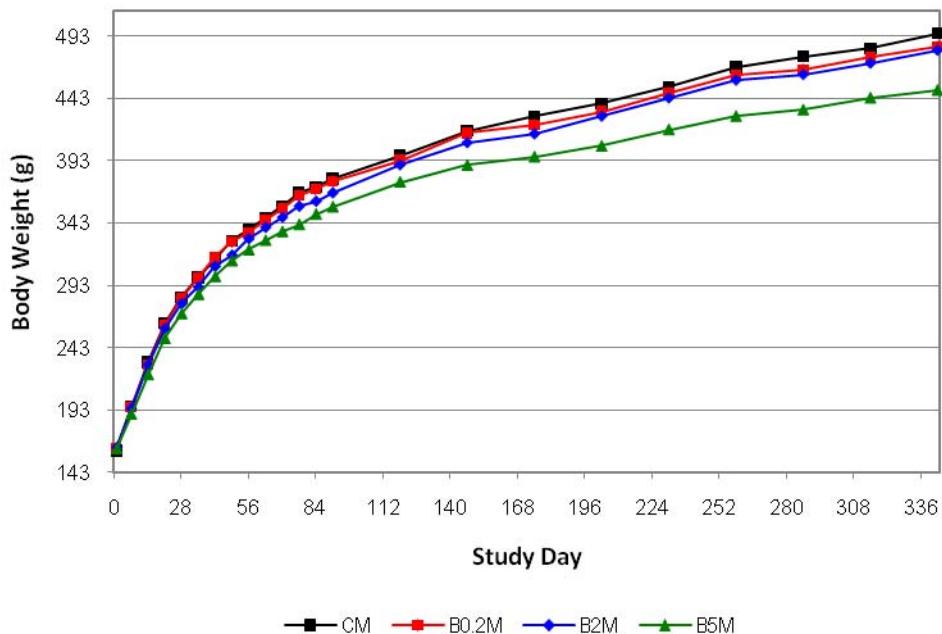


Figure 1. Group Mean Absolute Body Weight (g) Tobacco Blend – Males

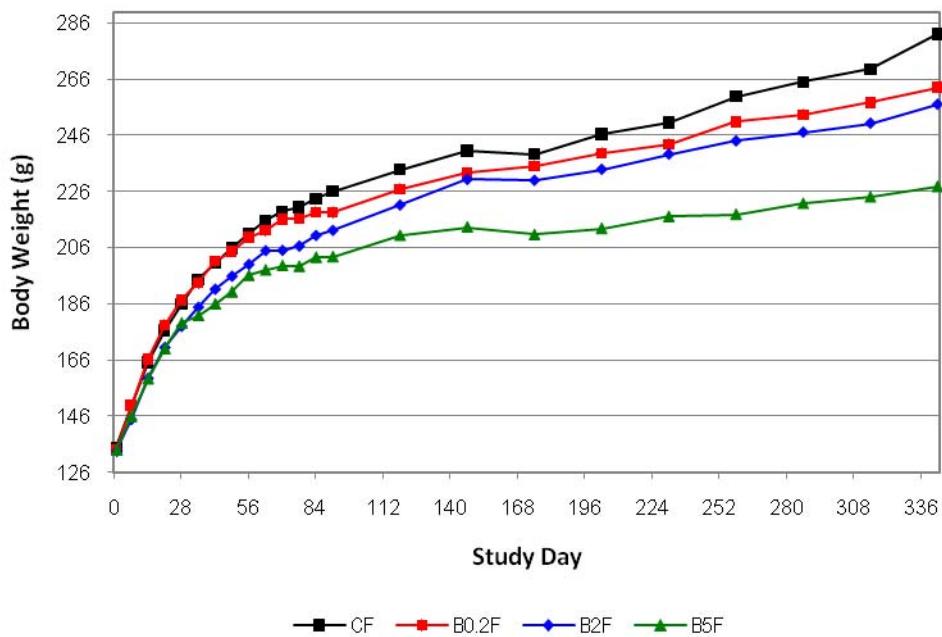


Figure 2. Group Mean Absolute Body Weight (g) Tobacco Blend – Females

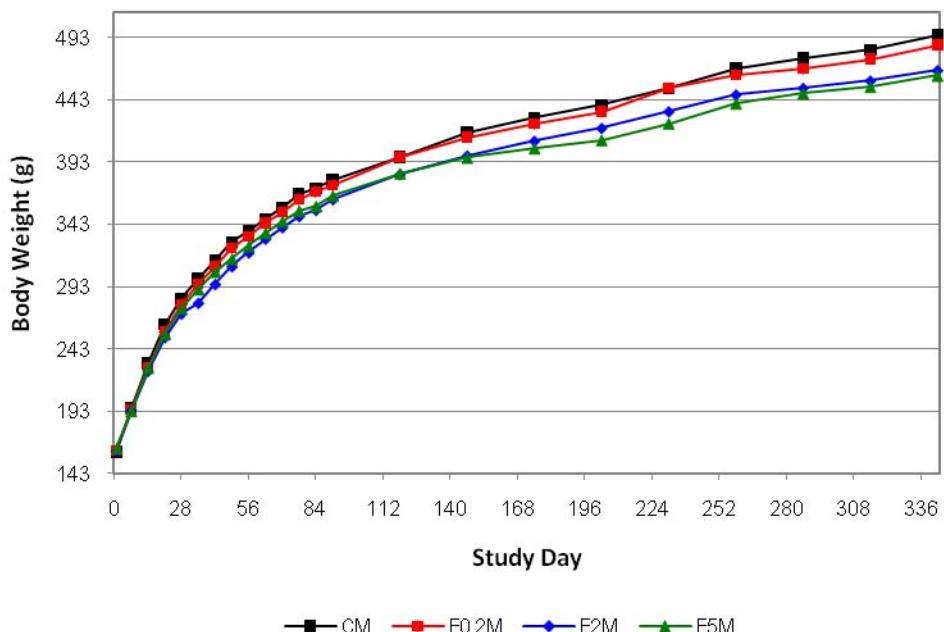


Figure 3. Group Mean Absolute Body Weight (g) Tobacco Extract – Males

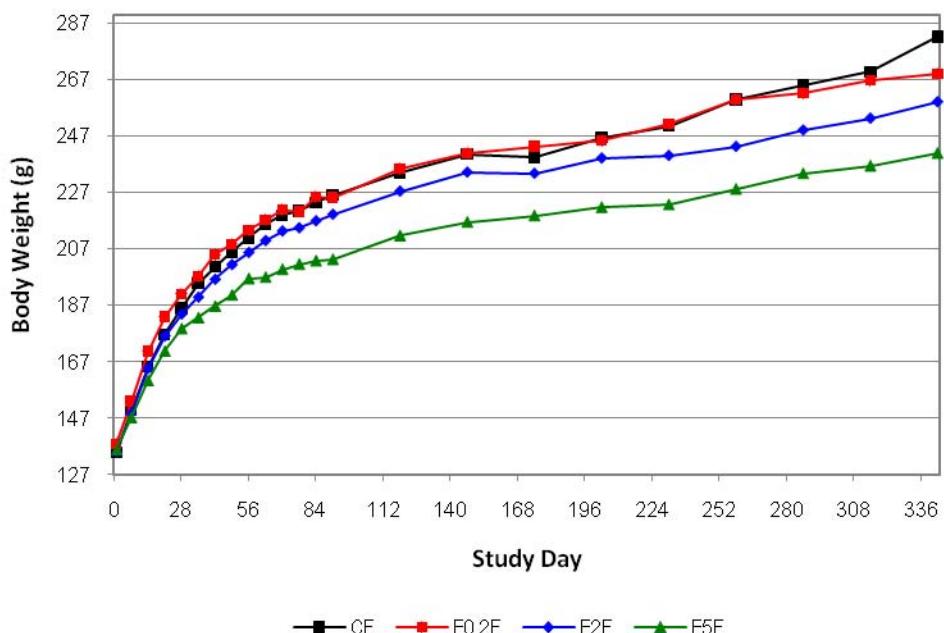


Figure 4. Group Mean Absolute Body Weight (g) Tobacco Extract – Females

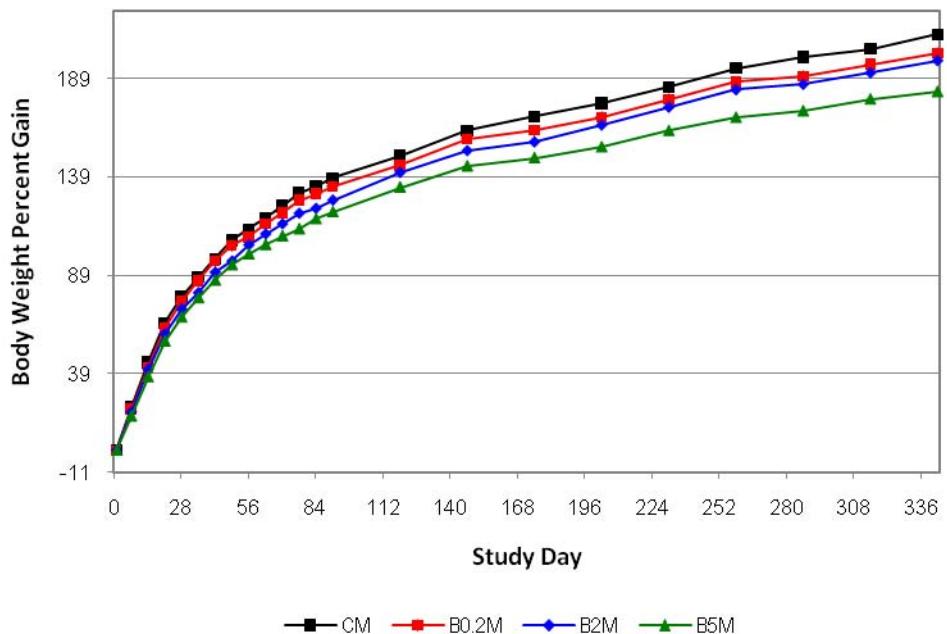


Figure 5. Group Mean Percent (%) Body Weight (g) Gain Tobacco Blend – Males

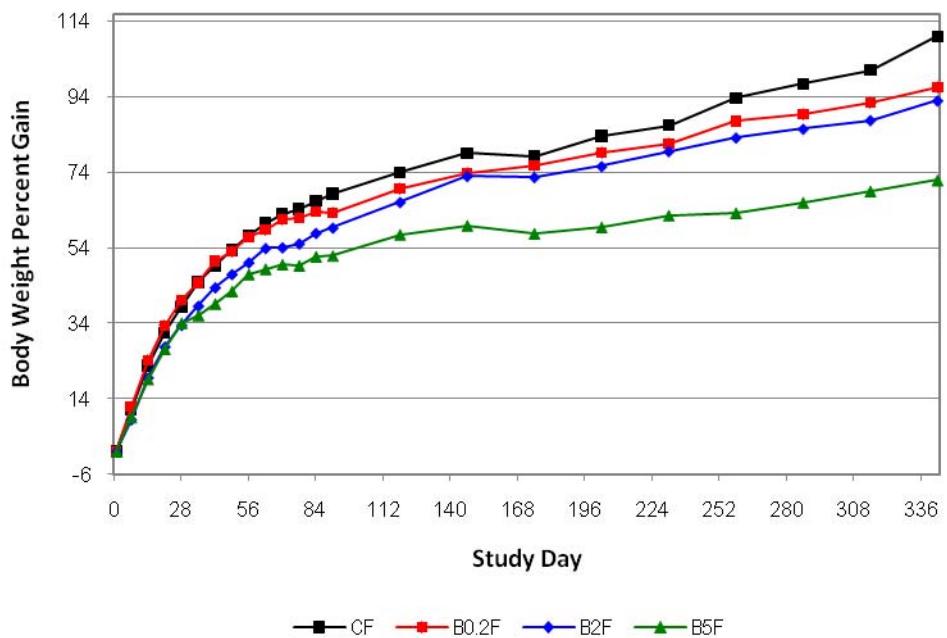


Figure 6. Group Mean Percent (%) Body Weight (g) Gain Tobacco Blend – Females

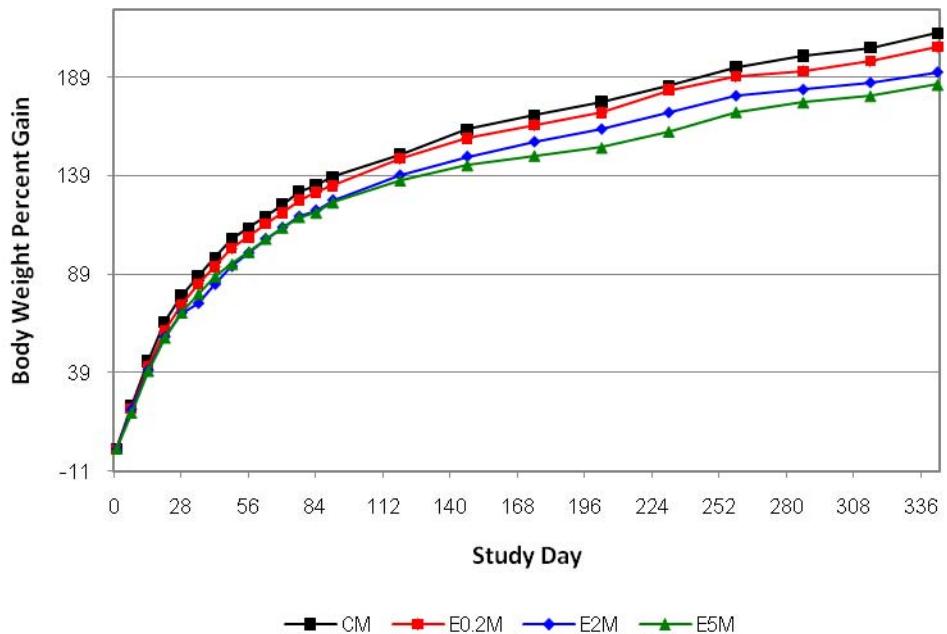


Figure 7. Group Mean Percent (%) Body Weight (g) Gain Tobacco Extract – Males

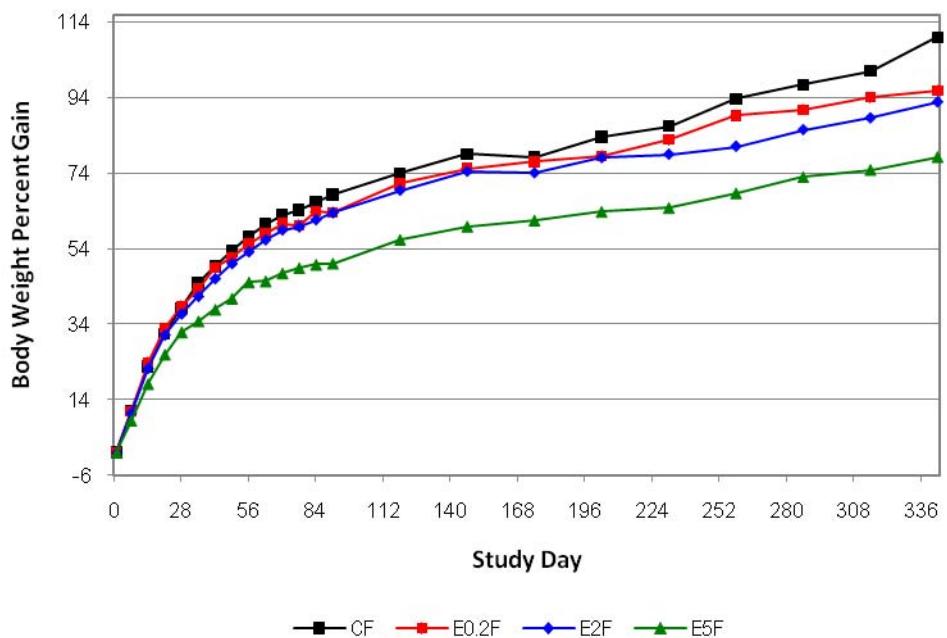


Figure 8. Group Mean Percent (%) Body Weight (g) Gain Tobacco Extract – Females

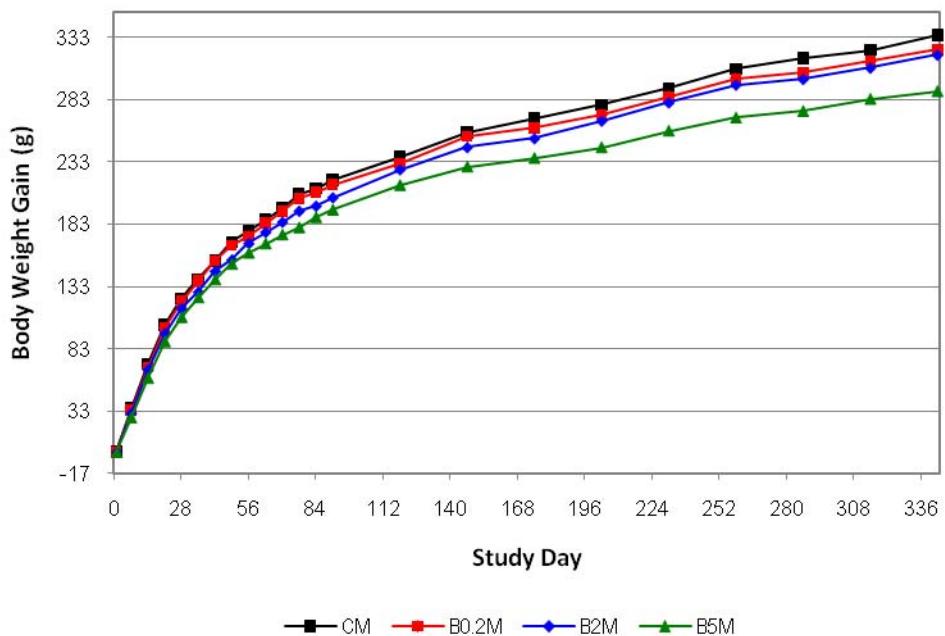


Figure 9. Group Mean Absolute Body Weight Gain Tobacco Blend – Males

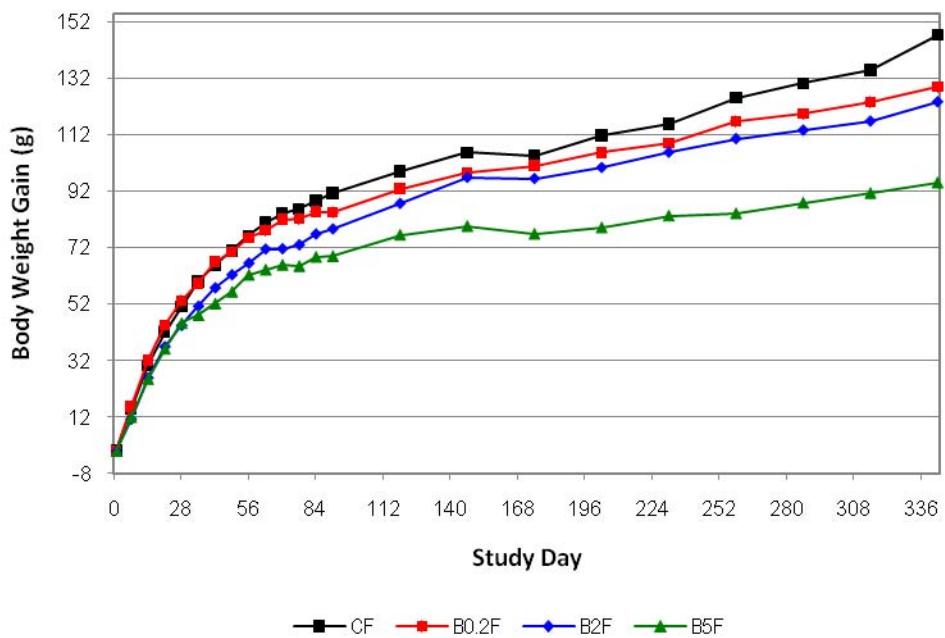


Figure 10. Group Mean Absolute Body Weight Gain Tobacco Blend – Females

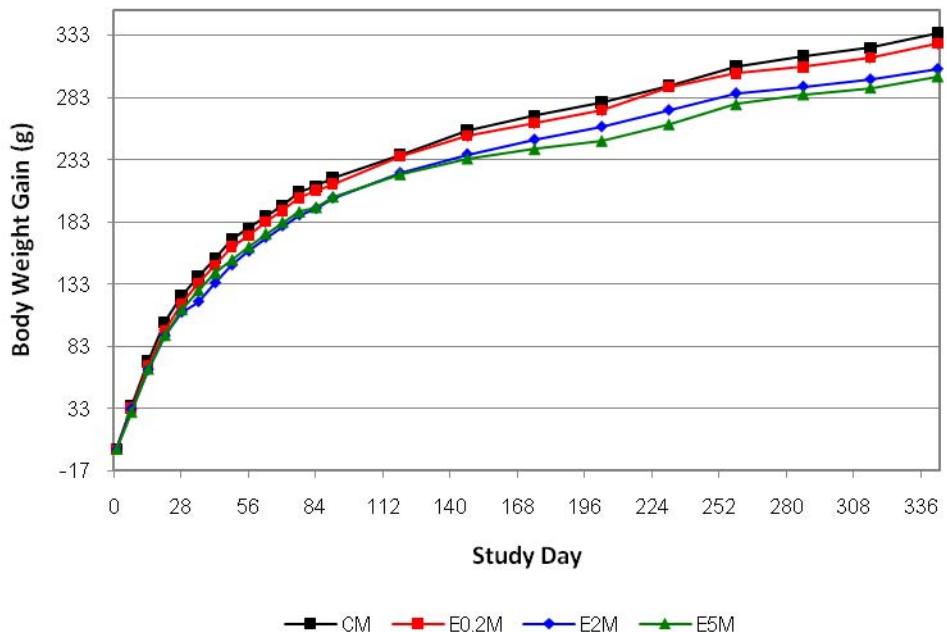


Figure 11. Group Mean Absolute Body Weight Gain Tobacco Extract – Males

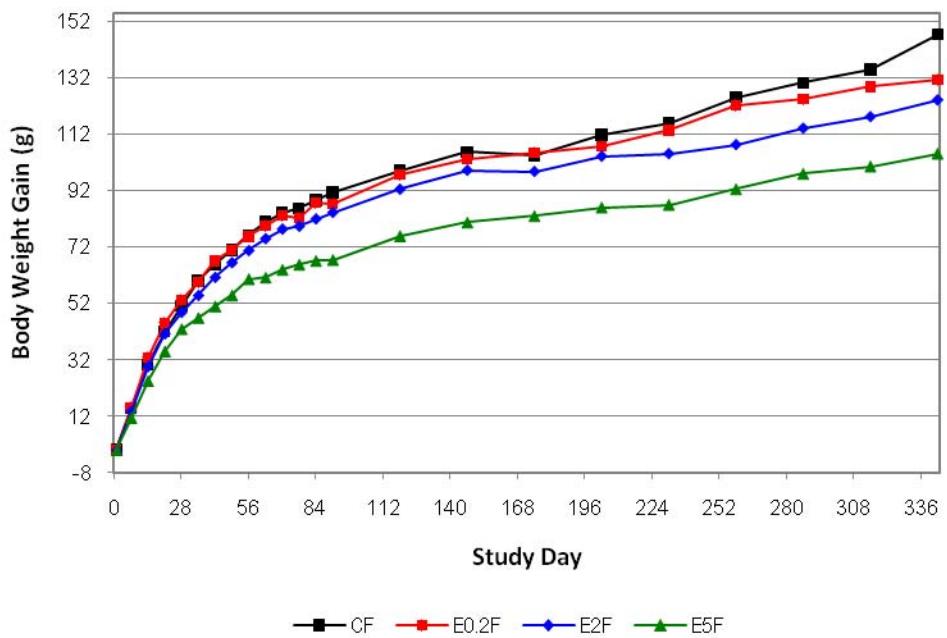


Figure 12. Group Mean Absolute Body Weight Gain Tobacco Extract – Females

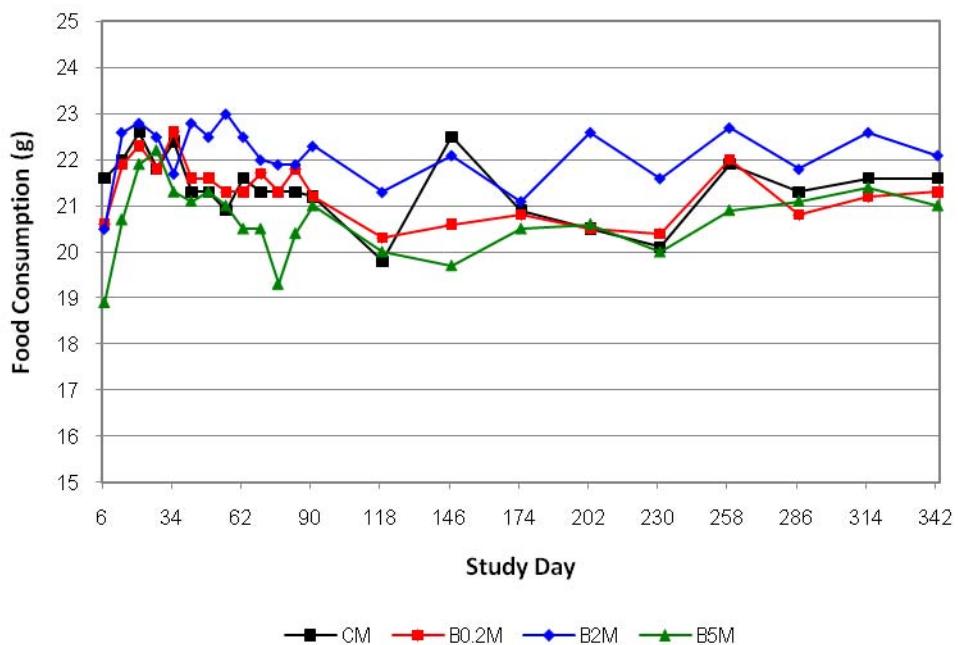


Figure 13. Group Mean Average Food Consumption (g) per Day Tobacco Blend – Males

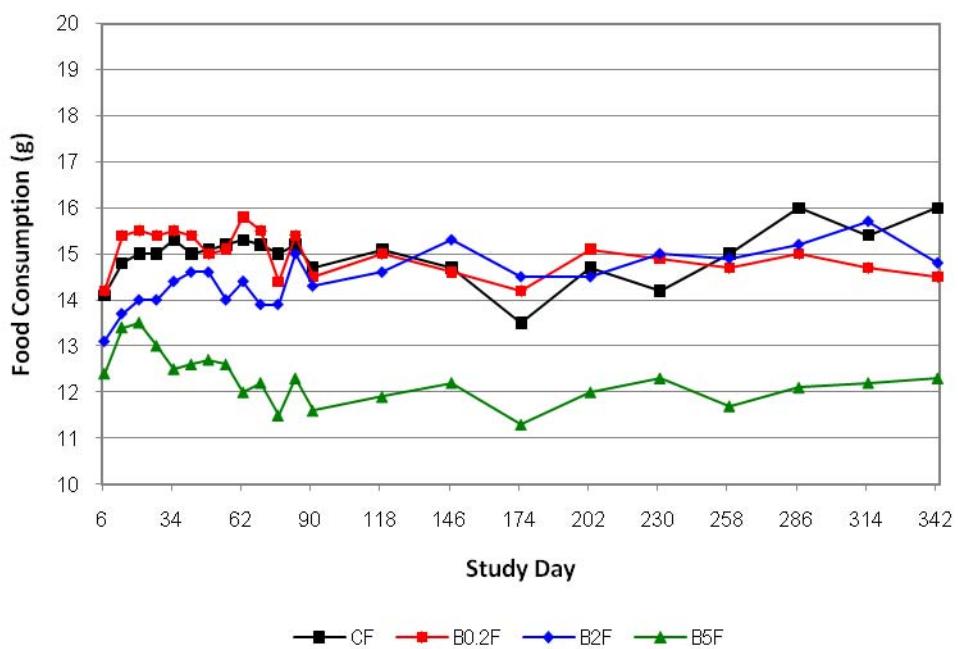


Figure 14. Group Mean Average Food Consumption (g) per Day Tobacco Blend – Females

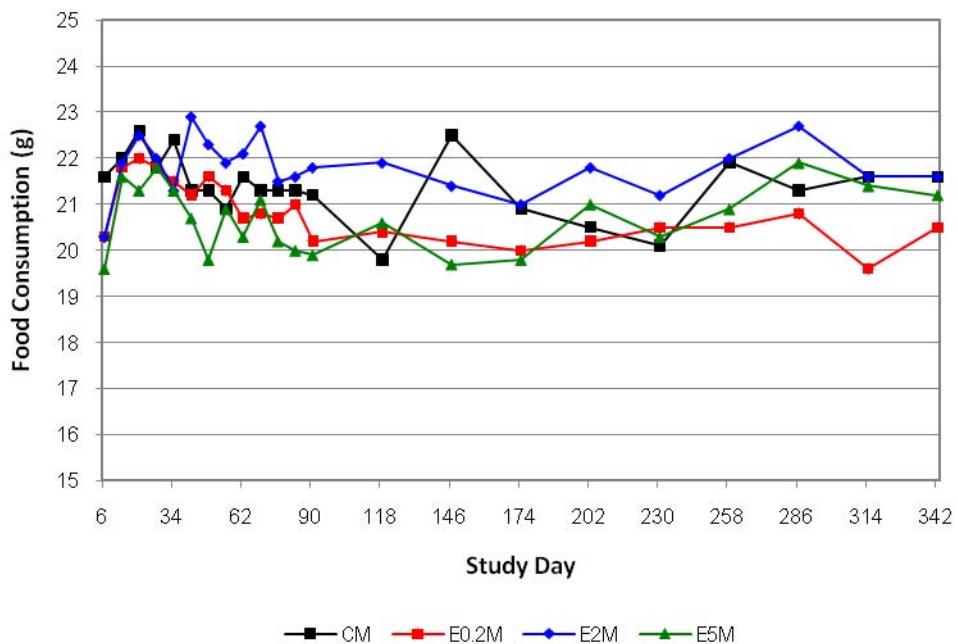


Figure 15. Group Mean Average Food Consumption (g) per Day Tobacco Extract – Males

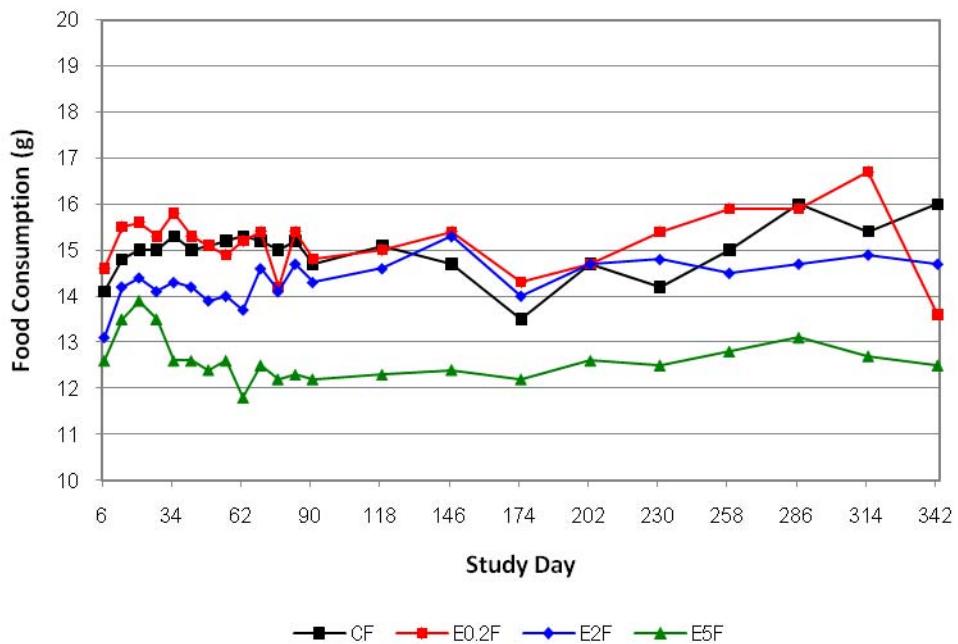


Figure 16. Group Mean Average Food Consumption (g) per Day Tobacco Extract – Females

Table 5. Group Summary of Clinical Abnormalities – Males

Group	Observation	Animals Affected	Observed		
			First Day	Last Day	Total Number
CM	Abrasion, Body Dorsal	1	280	329	8
	Abrasion, Body Ventral	1	273	273	1
	Alopecia, Body Lateral	1	266	366	16
	Alopecia, Body Ventral	1	280	280	1
	Alopecia, Ear	1	119	189	11
	Alopecia, Head	1	196	365	26
	Tissue Mass, Body Ventral	1	252	266	3
	Ulceration, Body Dorsal	1	336	366	6
B0.2M	Abrasion, Foot	3	280	329	10
	Abrasion, Tail	1	287	308	4
	Alopecia, Body Dorsal	1	315	366	9
	Red Eye Discharge	1	280	365	13
	Hunched Posture	1	287	287	1
	Pale	1	287	287	1
	Rough Coat	1	287	308	4
	Laceration, Eye Region	1	273	273	1
	Labored Respiration	1	287	287	1
	Red Nasal Discharge	1	287	287	1
B2M	Ulceration, Foot	3	336	366	18
	Alopecia, Forelimb	1	336	366	6
B5M	Alopecia, Body Lateral	1	280	366	14
	Alopecia, Body Ventral	2	1	366	10
	Alopecia, Ear	1	14	28	3
	Alopecia, Foot	1	1	7	2
	Alopecia, Forelimb	1	210	366	24
	Alopecia, Head	1	238	273	6
	Alopecia, Shoulder	2	1	366	22
	Red Eye Discharge	1	168	366	24

Table 5. Group Summary of Clinical Abnormalities – Males

Group	Observation	Animals Affected	Observed		
			First Day	Last Day	Total Number
E0.2M	Abrasion, Head	1	147	168	4
	Abrasion, Hindlimb	2	315	350	5
	Alopecia, Body Ventral	1	98	366	40
	Alopecia, Foot	1	112	161	8
	Laceration, Head	1	175	189	3
	Laceration, Shoulder	2	182	217	7
	Ulceration, Foot	1	329	365	7
	Ulceration, Hindlimb	1	322	365	8
E2M	Abrasion, Head	1	182	196	3
	Abrasion, Hindlimb	1	322	329	2
	Red Eye Discharge	1	231	364	19
	Ulceration, Hindlimb	1	336	366	6
E5M	Abrasion, Body Lateral	1	315	322	2
	Alopecia, Shoulder	1	217	366	23
	Tissue Mass, Body Dorsal	1	336	364	5
	Ulceration, Body Dorsal	1	366	366	1

Table 6. Group Summary of Clinical Abnormalities – Females

Group	Observation	Animals Affected	Observed		
			First Day	Last Day	Total Number
CF	Alopecia, Neck	1	329	367	7
	Red Eye Discharge	1	301	322	3
B0.2F	Abrasions, Head	1	56	91	6
B2F	Alopecia, Body Dorsal	1	357	366	3
	Alopecia, Body Lateral	1	70	366	44
	Alopecia, Neck	4	70	366	69
	Alopecia, Shoulder	1	105	217	17
	Thin Appearance	1	168	168	1
B5F	Abrasions, Shoulder	1	70	98	5
	Alopecia, Body Dorsal	2	161	367	8
	Alopecia, Neck	2	259	367	30
	Alopecia, Shoulder	3	105	367	26
	Ulceration, Body Dorsal	1	343	366	5
E0.2F	Alopecia, Body Dorsal	2	336	367	11
	Alopecia, Foot	1	140	266	19
	Alopecia, Forelimb	1	189	366	27
	Alopecia, Head	1	322	366	8
	Alopecia, Hindlimb	1	329	366	7
	Alopecia, Neck	3	301	366	24
E2F	Alopecia, Body Dorsal	2	252	367	21
	Alopecia, Body Lateral	1	14	91	12
	Alopecia, Body Ventral	2	14	366	17
	Alopecia, Foot	1	14	91	12
	Alopecia, Forelimb	2	196	367	39
	Alopecia, Head	2	70	366	72
	Alopecia, Hindlimb	1	322	366	8
	Alopecia, Shoulder	3	7	112	19
	Rough Coat	1	259	266	2
	Ulceration, Tail	1	315	367	9

Table 6. Group Summary of Clinical Abnormalities – Females

Group	Observation	Animals Affected	Observed		
			First Day	Last Day	Total Number
E5F	Abrasion, Tail	1	147	175	5
	Alopecia, Body Dorsal	2	189	322	3
	Red Eye Discharge	1	315	366	9
	Pale	1	353	353	1
	Prolapsed Vagina	1	353	353	1
	Tissue Mass, Body Ventral	1	168	351	28

Table 7. Group Mean Absolute Body Weight (g) – Males

Group	Day										
	-11	1	7	14	21	28	35	42	49	56	
CM	Mean	102.9	160.2	195.4	231.1	262.6	283.5	299.3	314.0	328.9	337.8
	SD	14.5	15.2	15.3	14.0	14.4	15.9	19.3	20.8	22.2	22.7
	N	20	20	20	20	20	20	20	20	20	20
B0.2M	Mean	103.2	161.7	195.3	229.5	261.4	282.8	299.3	315.2	327.8	335.1
	SD	14.1	15.3	16.3	16.7	18.7	21.7	23.7	25.2	26.8	29.1
	N	20	20	20	20	20	20	20	20	20	20
B2M	Mean	103.3	162.7	194.0	229.0	258.1	278.2	291.5	308.2	317.2	330.4
	SD	14.3	16.8	18.3	19.6	20.8	22.0	21.4	23.0	24.3	23.0
	N	20	20	20	20	20	20	20	20	20	20
B5M	Mean	103.1	161.4	189.3	221.1	250.3	270.0	285.6	300.0	312.6	321.4
	SD	14.2	14.9	14.9	17.2	22.0	25.9	29.2	33.2	35.4	37.6
	N	20	20	20	20	20	20	20	20	20	20
E0.2M	Mean	103.5	160.9	194.1	228.2	256.8	278.3	294.9	308.9	323.9	333.0
	SD	14.8	17.8	19.6	19.8	23.3	27.6	30.1	31.1	33.1	35.4
	N	20	20	20	20	20	20	20	20	20	20
E2M	Mean	103.2	161.3	193.5	225.4	252.3	271.4	280.0	295.1	309.3	320.4
	SD	14.4	15.6	17.8	17.9	20.1	20.9	28.7	26.7	27.3	27.9
	N	20	20	20	20	20	20	20	20	20	20
E5M	Mean	103.2	162.9	192.7	227.4	254.7	275.2	290.8	304.8	315.2	325.5
	SD	14.7	14.9	18.0	20.4	22.2	25.7	30.0	31.0	33.3	36.1
	N	20	20	20	20	20	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 7. Group Mean Absolute Body Weight (g) – Males

Group	Day										
	63	70	77	84	91	119	147	175	203	231	
CM	Mean	347.4	356.5	367.3	371.9	378.7	397.2	417.0	428.5	439.1	452.5
	SD	24.3	26.8	26.6	26.9	27.2	30.6	32.4	36.7	39.8	40.5
	N	20	20	20	20	20	20	20	20	20	20
B0.2M	Mean	345.7	355.1	365.3	370.4	376.4	393.3	415.1	422.0	432.5	447.4
	SD	30.6	32.0	33.1	34.2	34.1	35.6	38.2	39.2	43.0	43.7
	N	20	20	20	20	20	20	20	20	20	20
B2M	Mean	339.5	347.6	356.5	360.5	367.3	389.8	407.6	414.7	428.9	443.6
	SD	23.5	24.0	25.4	26.0	27.6	27.0	30.5	32.1	36.1	38.2
	N	20	20	20	20	20	20	20	20	20	20
B5M	Mean	329.0	336.1	341.8	350.1	356.0	375.9	389.4	396.2	404.8	418.1
	SD	38.0	40.9	46.2	44.7	45.8	49.0	46.2	44.9	47.2	49.2
	N	20	20	20	20	20	20	19	19	19	19
E0.2M	Mean	344.1	352.8	363.2	369.2	374.4	396.9	412.9	423.6	433.6	452.5
	SD	37.7	39.4	39.8	40.7	41.8	44.1	45.5	47.5	47.5	52.7
	N	20	20	20	20	20	20	20	20	20	20
E2M	Mean	331.5	340.7	349.7	354.7	363.2	383.4	398.5	410.2	420.5	433.9
	SD	28.8	29.2	30.5	30.0	30.4	34.9	37.5	38.6	40.8	43.1
	N	20	20	20	20	20	20	20	20	20	20
E5M	Mean	336.2	345.4	353.9	357.6	366.0	384.1	396.7	404.3	410.9	424.3
	SD	37.9	38.7	39.0	38.7	40.1	44.6	43.5	45.6	47.2	46.4
	N	20	20	20	20	20	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 7. Group Mean Absolute Body Weight (g) – Males

Group	Day				% Difference from CM*
	259	287	315	343	
CM	Mean	468.0	476.6	483.2	495.1
	SD	41.3	43.6	45.9	45.6
	N	20	20	20	20
B0.2M	Mean	461.6	466.3	476.0	484.9
	SD	44.6	50.3	51.4	54.7
	N	20	20	20	20
B2M	Mean	457.9	462.4	471.5	481.9
	SD	38.1	38.9	42.1	44.4
	N	20	20	20	20
B5M	Mean	428.8 ^A	434.0 ^A	443.6	449.8 ^A
	SD	50.4	51.2	52.2	53.3
	N	19	19	19	19
E0.2M	Mean	463.2	468.2	475.8	487.2
	SD	52.6	55.6	60.1	61.3
	N	20	20	20	20
E2M	Mean	447.4	452.8	458.6	466.9
	SD	43.7	48.5	48.9	49.8
	N	20	20	20	20
E5M	Mean	440.4	448.3	453.7	462.8
	SD	46.5	48.2	51.0	51.8
	N	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

* Day 343.

Table 8. Group Mean Absolute Body Weight (g) – Females

Group	Day										
	-12	1	7	14	21	28	35	42	49	56	
CF	Mean	94.1	134.8	149.7	165.1	176.6	185.8	194.7	200.5	205.7	210.8
	SD	13.9	11.9	12.4	11.2	10.0	10.8	11.3	12.3	10.6	11.9
	N	20	20	20	20	20	20	20	20	20	20
B0.2F	Mean	93.9	134.2	149.8	166.3	178.5	187.3	193.5	201.1	204.6	209.6
	SD	14.1	11.0	12.1	11.5	12.0	12.4	13.5	13.7	13.6	13.6
	N	20	20	20	20	20	20	20	20	20	20
B2F	Mean	93.9	133.6	144.9	159.5	170.5	178.0	184.8	191.2	195.8	200.0
	SD	13.8	11.3	13.1	12.1	13.5	13.9	13.7	13.5	14.2	15.0
	N	20	20	20	20	20	20	20	20	20	20
B5F	Mean	94.2	133.9	145.8	159.3	170.0	179.1	181.8 ^A	185.9 ^A	190.2 ^A	196.1 ^A
	SD	14.0	10.9	9.3	10.7	11.8	12.5	13.0	14.0	12.6	13.6
	N	20	20	20	20	20	20	20	20	20	20
E0.2F	Mean	94.1	137.8	152.9	170.6	182.9	191.0	197.2	204.9	208.7	213.4
	SD	13.9	8.9	8.8	9.0	9.7	11.3	12.5	12.9	12.5	12.4
	N	20	20	20	20	20	20	20	20	20	20
E2F	Mean	93.9	134.9	148.7	164.6	176.1	183.8	189.8	196.1	201.3	205.6
	SD	14.0	12.2	10.9	11.9	11.8	12.6	11.9	12.8	13.8	14.7
	N	20	20	20	20	20	20	20	20	20	20
E5F	Mean	94.1	135.8	147.2	160.3	170.7	178.7	182.5 ^A	186.6 ^A	190.6 ^A	196.4 ^A
	SD	14.3	11.5	11.1	11.5	11.5	12.3	12.7	11.6	12.6	12.8
	N	20	20	20	20	20	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 8. Group Mean Absolute Body Weight (g) – Females

Group	Day									
	63	70	77	84	91	119	147	175	203	231
CF	Mean	215.6	218.8	220.4	223.4	226.0	233.8	240.4	239.2	246.4
	SD	13.0	13.1	12.8	13.8	15.0	15.4	16.1	17.1	19.8
	N	20	20	20	20	20	20	20	20	20
B0.2F	Mean	212.2	216.1	216.4	218.7	218.5	226.9	232.5	235.1	239.7
	SD	15.3	14.9	15.3	15.4	17.1	16.3	18.5	19.9	20.4
	N	20	20	20	20	20	20	20	20	20
B2F	Mean	204.9	205.0 ^A	206.5 ^A	210.3 ^A	212.1 ^A	221.1	230.2	229.9	233.8
	SD	14.4	14.5	15.0	16.7	16.6	19.0	20.0	21.1	20.3
	N	20	20	20	20	20	20	20	20	20
B5F	Mean	198.0 ^A	199.6 ^A	199.3 ^A	202.5 ^A	202.7 ^A	210.3 ^A	213.3 ^A	210.6 ^A	212.8 ^A
	SD	13.4	13.7	13.7	13.9	15.4	17.7	16.0	16.6	17.4
	N	20	20	20	20	20	20	20	20	20
E0.2F	Mean	217.3	220.8	220.1	225.3	225.1	235.3	240.7	243.2	245.3
	SD	12.6	12.9	17.3	15.3	14.9	15.4	16.6	17.0	18.8
	N	20	20	20	20	20	20	20	20	20
E2F	Mean	209.8	213.2	214.3	216.8	219.1	227.3	234.0	233.6	239.0
	SD	14.4	15.3	15.7	14.4	15.3	15.2	17.2	17.4	17.2
	N	20	20	20	20	20	20	20	20	20
E5F	Mean	196.9 ^A	199.7 ^A	201.5 ^A	202.7 ^A	203.2 ^A	211.6 ^A	216.4 ^A	218.7 ^A	221.6 ^A
	SD	14.1	12.8	14.7	13.7	13.9	14.5	14.9	17.5	19.1
	N	20	20	20	20	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 8. Group Mean Absolute Body Weight (g) – Females

Group	Day				% Difference from CF*
	259	287	315	343	
CF	Mean	259.8	264.9	269.6	282.0
	SD	20.9	21.9	20.9	29.2
	N	20	20	20	20
B0.2F	Mean	250.8	253.4	257.6	263.0
	SD	22.8	23.5	24.5	24.2
	N	20	20	20	20
B2F	Mean	243.9	247.0	250.2 ^A	256.9 ^A
	SD	22.5	21.2	22.7	23.7
	N	20	20	20	20
B5F	Mean	217.8 ^A	221.7 ^A	224.0 ^A	227.7 ^A
	SD	17.9	20.3	23.2	24.0
	N	20	20	19	19
E0.2F	Mean	259.9	262.1	266.5	269.0
	SD	22.5	22.4	21.9	24.8
	N	20	20	20	20
E2F	Mean	243.1	248.9	253.1	258.9 ^A
	SD	22.0	21.6	22.3	23.9
	N	20	20	20	20
E5F	Mean	228.1 ^A	233.6 ^A	236.3 ^A	240.8 ^A
	SD	21.8	24.1	27.2	32.1
	N	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

* Day 343.

Table 9. Group Mean Average Food Consumed (g) per Day – Males

Group	Day										
	7	14	21	28	35	42	49	56	63	70	
CM	Mean	21.6	22.0	22.6	21.8	22.4	21.3	21.3	20.9	21.6	21.3
	SD	2.9	1.1	1.4	1.6	2.0	1.9	1.7	1.3	1.4	1.4
	N	10	10	10	10	10	10	10	9	10	10
B0.2M	Mean	20.6	21.9	22.3	21.8	22.6	21.6	21.6	21.3	21.3	21.7
	SD	0.7	0.8	1.2	1.3	1.0	1.2	1.0	1.1	1.5	1.9
	N	10	10	10	10	10	10	10	10	10	9
B2M	Mean	20.5	22.6	22.8	22.5	21.7	22.8	22.5	23.0	22.5	22.0
	SD	2.0	3.0	2.4	2.9	2.6	2.5	3.0	2.3	2.1	2.6
	N	10	10	10	10	10	10	10	9	8	
B5M	Mean	18.9 ^A	20.7	21.9	22.2	21.3	21.1	21.3	21.0	20.5	20.5
	SD	1.6	2.0	2.3	3.0	3.4	2.5	2.5	2.3	2.0	2.0
	N	10	10	10	10	10	10	10	9	10	10
E0.2M	Mean	20.3	21.8	22.0	21.8	21.5	21.2	21.6	21.3	20.7	20.8
	SD	1.7	2.2	2.4	2.5	1.9	2.0	2.8	2.1	1.9	1.9
	N	10	10	10	10	10	10	10	9	9	10
E2M	Mean	20.3	21.9	22.5	22.0	21.3	22.9	22.3	21.9	22.1	22.7
	SD	1.5	1.5	1.7	1.5	3.8	3.2	1.8	1.1	1.5	2.3
	N	10	10	10	10	10	10	9	9	10	10
E5M	Mean	19.6	21.6	21.3	21.8	21.3	20.7	19.8	20.9	20.3	21.1
	SD	1.4	1.8	1.6	1.8	2.1	1.9	1.8	2.2	2.1	2.0
	N	10	10	10	10	10	10	9	10	10	10

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 9. Group Mean Average Food Consumed (g) per Day – Males

Group	Day										
	77	84	91	119	147	175	203	231	259	287	
CM	Mean	21.3	21.3	21.2	19.8	20.2	20.9	20.5	20.1	21.9	21.3
	SD	1.4	1.5	1.6	1.6	1.7	1.9	1.9	1.6	2.0	2.0
	N	9	10	10	10	9	10	10	10	10	10
B0.2M	Mean	21.3	21.8	21.2	20.3	20.6	20.8	20.5	20.4	22.0	20.8
	SD	1.2	1.6	1.4	1.5	1.6	1.4	1.5	1.3	1.5	2.1
	N	10	10	10	10	10	8	10	10	10	10
B2M	Mean	21.9	21.9	22.3	21.3	22.1	21.1	22.6	21.6	22.7	21.8
	SD	2.4	2.7	3.0	2.3	3.4	1.8	3.2	3.3	3.0	3.1
	N	10	10	10	9	10	10	10	10	10	10
B5M	Mean	19.3	20.4	21.0	20.0	19.7	20.5	20.6	20.0	20.9	21.1
	SD	3.6	3.4	2.4	2.2	3.8	2.4	2.1	2.5	2.7	3.4
	N	10	10	10	10	10	10	10	10	10	10
E0.2M	Mean	20.7	21.0	20.2	20.4	20.2	20.0	20.2	20.5	20.5 ^B	20.8
	SD	2.1	2.6	2.1	1.8	2.0	1.6	1.2	1.7	1.5	1.8
	N	10	10	10	10	10	10	10	10	10	10
E2M	Mean	21.5	21.6	21.8	21.9	21.4	21.0	21.8	21.2	22.0	22.7
	SD	1.8	1.5	2.8	1.9	2.0	2.4	2.3	2.2	2.5	3.0
	N	9	10	10	10	10	9	10	10	10	10
E5M	Mean	20.2	20.0	19.9	20.6	19.7	19.8	21.0	20.3	20.9	21.9
	SD	1.8	1.9	2.0	2.2	1.9	2.2	1.9	2.4	1.8	2.0
	N	9	10	10	10	10	10	10	10	10	10

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 9. Group Mean Average Food Consumed (g) per Day – Males

Group	Day			
	315	343	Grand Mean \pm SD	% Change*
CM	Mean	21.6	21.6	21.3
	SD	2.0	2.2	0.7
	N	10	10	--
B0.2M	Mean	21.2	21.3	21.3
	SD	1.3	1.5	0.6
	N	10	10	0
B2M	Mean	22.6	22.1	22.1
	SD	3.2	3.5	0.6
	N	10	10	3.8
B5M	Mean	21.4	21.0	20.7
	SD	2.7	2.7	0.8
	N	10	10	-2.8
E0.2M	Mean	19.6	20.5	20.8
	SD	2.8	1.5	0.7
	N	10	10	-2.3
E2M	Mean	21.6	21.6	21.8
	SD	3.4	2.6	0.6
	N	10	10	2.3
E5M	Mean	21.4	21.2	20.7
	SD	2.1	1.9	0.7
	N	10	10	-2.8

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
 A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

* Grand mean percent change relative to CM.

Table 10. Group Mean Average Food Consumed (g) per Day – Females

Group	Day										
	7	14	21	28	35	42	49	56	63	70	
CF	Mean	14.1	14.8	15.0	15.0	15.3	15.0	15.1	15.2	15.3	15.2
	SD	0.6	0.4	0.7	0.8	0.5	0.8	0.3	0.3	0.7	0.9
	N	7	7	7	7	7	7	6	6	7	7
B0.2F	Mean	14.2	15.4	15.5	15.4	15.5	15.4	15.0	15.1	15.8	15.5
	SD	0.9	1.0	0.6	0.7	1.2	0.8	1.1	1.1	1.6	0.9
	N	7	7	7	7	7	7	7	7	3	7
B2F	Mean	13.1	13.7 ^A	14.0	14.0	14.4	14.6	14.6	14.0 ^A	14.4	13.9
	SD	1.0	0.6	0.9	0.6	0.6	0.8	0.5	1.1	0.6	1.4
	N	7	7	7	7	7	7	7	6	7	7
B5F	Mean	12.4 ^A	13.4 ^A	13.5 ^A	13.0 ^A	12.5 ^A	12.6 ^A	12.7 ^A	12.6 ^A	12.0 ^A	12.2 ^A
	SD	0.8	0.9	1.2	1.0	1.1	1.2	1.0	1.0	0.9	0.8
	N	7	7	7	7	7	7	7	5	7	7
E0.2F	Mean	14.6	15.5	15.6	15.3	15.8	15.3	15.1	14.9	15.2	15.4
	SD	1.0	0.7	0.6	0.9	1.4	1.1	1.1	1.3	1.1	1.1
	N	7	7	7	7	7	7	7	5	7	7
E2F	Mean	13.1	14.2	14.4	14.1	14.3	14.2	13.9 ^{A,B}	14.0 ^A	13.7 ^A	14.6
	SD	0.8	0.6	0.9	0.6	0.7	0.9	0.6	0.5	0.7	1.3
	N	7	7	7	7	7	7	7	5	5	7
E5F	Mean	12.6 ^A	13.5 ^A	13.9	13.5 ^A	12.6 ^A	12.6 ^A	12.4 ^A	12.6 ^A	11.8 ^A	12.5 ^A
	SD	0.7	0.8	1.3	1.0	0.7	0.4	0.9	0.5	0.6	0.6
	N	7	7	7	7	7	7	7	6	7	7

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 10. Group Mean Average Food Consumed (g) per Day Data – Females

Group	Day										
	77	84	91	119	147	175	203	231	259	287	
CF	Mean	15.0	15.2	14.7	15.1	14.7	13.5	14.7	14.2	15.0	16.0
	SD	1.2	0.7	0.6	0.9	0.8	0.8	0.9	1.1	0.7	1.0
	N	7	6	7	7	7	7	7	7	7	7
B0.2F	Mean	14.4	15.4	14.5	15.0	14.6	14.2	15.1	14.9	14.7	15.0
	SD	1.1	1.0	1.2	1.1	0.7	1.2	0.8	0.9	0.9	0.7
	N	7	7	7	7	7	7	7	7	7	7
B2F	Mean	13.9	15.0	14.3	14.6	15.3	14.5	14.5	15.0	14.9	15.2
	SD	0.7	0.9	0.8	0.7	0.8	1.6	0.6	0.7	1.1	1.0
	N	7	7	7	7	7	7	7	7	7	7
B5F	Mean	11.5 ^A	12.3 ^A	11.6 ^A	11.9 ^A	12.2 ^A	11.3 ^A	12.0 ^A	12.3 ^A	11.7 ^A	12.1 ^A
	SD	0.8	0.7	0.9	0.7	0.9	0.8	0.8	0.7	1.1	0.9
	N	7	7	7	7	7	7	7	7	7	7
E0.2F	Mean	14.2	15.4	14.8	15.0	15.4	14.3	14.7	15.4	15.9	15.9
	SD	1.7	1.0	0.9	1.3	1.7	1.2	1.4	1.4	1.6	1.8
	N	7	7	7	7	7	7	7	7	7	7
E2F	Mean	14.1	14.7	14.3	14.6	15.3	14.0	14.7	14.8	14.5	14.7
	SD	0.8	0.6	1.1	1.2	0.9	1.1	1.5	0.9	1.8	0.8
	N	7	7	7	7	7	7	7	7	7	7
E5F	Mean	12.2 ^A	12.3 ^A	12.2 ^A	12.3 ^A	12.4 ^A	12.2	12.6 ^A	12.5 ^A	12.8 ^A	13.1 ^A
	SD	0.7	1.0	0.5	0.7	0.8	0.8	1.0	1.2	1.2	1.3
	N	7	7	7	6	7	7	7	7	7	7

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 10. Group Mean Average Food Consumed (g) per Day – Females

Group	Day			
	315	343	Grand Mean \pm SD	% Change*
CF	Mean	15.4	16.0	15.0
	SD	1.1	1.6	0.6
	N	7	7	--
B0.2F	Mean	14.7	14.5	15.0
	SD	1.3	0.8	0.5
	N	7	7	0
B2F	Mean	15.7	14.8	14.5
	SD	1.3	1.2	0.6
	N	7	7	-3.3
B5F	Mean	12.2 ^A	12.3 ^A	12.3
	SD	1.1	0.8	0.6
	N	7	7	-18.0
E0.2F	Mean	16.7	13.6	15.2
	SD	2.5	4.2	0.7
	N	7	7	1.3
E2F	Mean	14.9	14.7	14.4
	SD	0.9	1.0	0.5
	N	7	7	-4.0
E5F	Mean	12.7 ^A	12.5 ^A	12.6
	SD	1.1	0.9	0.5
	N	7	7	-16.0

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

* Grand mean percent change relative to CF.

Table 11. Group Mean Hematology Data – Males

Group	Red Blood Cell			Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	Count ($10^6/\mu\text{L}$)	Hemoglobin (g/dL)	Hematocrit (%)		
CM	Mean	8.61	15.2	47.8	55.6
	SD	0.52	0.7	2.5	1.4
	N	19	19	19	19
B0.2M	Mean	8.56	15.0	47.7	55.9
	SD	0.41	0.5	1.7	2.8
	N	19	19	19	19
B2M	Mean	8.55	15.0	47.7	55.8
	SD	0.43	0.6	2.2	1.7
	N	20	20	20	20
B5M	Mean	8.62	15.2	48.0	55.7
	SD	0.38	0.7	2.1	1.5
	N	19	19	19	19
E0.2M	Mean	8.63	14.8	47.5	55.0
	SD	0.64	0.8	3.0	1.7
	N	20	20	20	20
E2M	Mean	8.65	15.1	48.3	55.8
	SD	0.46	0.6	2.3	1.0
	N	19	19	19	19
E5M	Mean	8.76	15.1	48.2	55.1
	SD	0.68	1.0	3.6	1.5
	N	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 11. Group Mean Hematology Data – Males

Group	Mean Corpuscular Hemoglobin Concentration (g/dL)		Platelet Count (10³/µL)	Reticulocytes (10³/µL)
	Mean	SD		
CM	Mean	31.8	686	138.8
	SD	1.0	125	21.1
	N	19	19	19
B0.2M	Mean	31.5	669	143.0
	SD	0.9	178	40.6
	N	19	19	19
B2M	Mean	31.6	698	134.3
	SD	0.5	76	23.7
	N	20	20	20
B5M	Mean	31.6	689	134.9
	SD	0.7	95	15.8
	N	19	19	19
E0.2M	Mean	31.3	690	137.8
	SD	0.7	126	29.5
	N	20	20	20
E2M	Mean	31.4	710	138.5
	SD	0.8	93	25.8
	N	19	19	19
E5M	Mean	31.4	723	135.9
	SD	0.5	103	20.5
	N	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 12. Group Mean Hematology Data – Females

Group	Red Blood Cell			Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	Count (10⁶/µL)	Hemoglobin (g/dL)	Hematocrit (%)		
CF	Mean	8.30	15.2	56.9	18.3
	SD	0.34	0.6	1.5	0.4
	N	19	19	19	19
B0.2F	Mean	8.04	14.9	57.4	18.5
	SD	0.33	0.6	1.3	0.5
	N	18	18	18	18
B2F	Mean	8.01	14.8	57.2	18.5
	SD	0.53	0.8	1.5	0.6
	N	20	20	20	20
B5F	Mean	7.68 ^A	14.3 ^A	57.3	18.6
	SD	0.41	0.8	1.9	0.7
	N	19	19	19	19
E0.2F	Mean	7.91 ^A	14.7	57.6	18.6
	SD	0.34	0.7	1.5	0.6
	N	18	18	18	18
E2F	Mean	7.94 ^A	14.7	57.0	18.6
	SD	0.42	0.7	1.7	0.8
	N	20	20	20	20
E5F	Mean	7.88 ^A	14.4 ^A	56.6	18.3
	SD	0.44	0.8	1.1	0.5
	N	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 12. Group Mean Hematology Data – Females

Group	Mean	Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
CF	Mean	32.2	604	174.3
	SD	0.6	70	23.4
	N	19	19	19
B0.2F	Mean	32.2	673	161.8
	SD	0.6	99	25.0
	N	18	18	18
B2F	Mean	32.4	628	170.2
	SD	0.5	68	30.4
	N	20	20	20
B5F	Mean	32.4	643	164.2
	SD	0.7	85	22.3
	N	19	19	19
E0.2F	Mean	32.2	623	161.0
	SD	0.8	88	25.1
	N	18	18	18
E2F	Mean	32.6	655	172.7
	SD	1.0	111	21.5
	N	20	20	20
E5F	Mean	32.4	668	172.1
	SD	0.8	124	42.2
	N	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 13. Group Mean Absolute WBC Differential Count Data – Males

Group	White Blood Cell Count ($10^3/\mu\text{L}$)	Neutrophils ($10^3/\mu\text{L}$)	Total Lymphocytes ($10^3/\mu\text{L}$)	Monocytes ($10^3/\mu\text{L}$)	Eosinophils ($10^3/\mu\text{L}$)
	Mean	5.64	1.39	3.99	0.17
CM	SD	1.45	0.46	0.07	0.05
	N	19	19	19	19
	Mean	5.22	1.29	3.69	0.15
B0.2M	SD	1.10	0.37	0.06	0.02
	N	19	19	19	19
	Mean	5.44	1.34	3.88	0.16
B2M	SD	1.26	0.61	0.07	0.04
	N	20	20	20	20
	Mean	5.38	1.23	3.93	0.13
B5M	SD	1.15	0.35	0.04	0.03
	N	19	19	19	19
	Mean	5.79	1.53	3.98	0.18
E0.2M	SD	1.70	0.72	0.07	0.04
	N	20	20	20	20
	Mean	5.75	1.37	4.13	0.16
E2M	SD	1.30	0.60	0.06	0.05
	N	19	19	19	19
	Mean	5.76	1.32	4.20	0.15
E5M	SD	1.32	0.56	0.08	0.03
	N	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 13. Group Mean Absolute WBC Differential Count Data – Males

Group	Basophils (10³/µL)	
	Mean	SD
CM	0.01	
	0.01	
	19	
B0.2M	0.01	
	0.01	
	19	
B2M	0.01	
	0.01	
	20	
B5M	0.01	
	0.01	
	19	
E0.2M	0.01	
	0.01	
	20	
E2M	0.01	
	0.01	
	19	
E5M	0.01	
	0.01	
	18	

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 14. Group Mean Absolute WBC Differential Count Data – Females

Group	White Blood Cell		Total		
	Count ($10^3/\mu\text{L}$)	Neutrophils ($10^3/\mu\text{L}$)	Lymphocytes ($10^3/\mu\text{L}$)	Monocytes ($10^3/\mu\text{L}$)	Eosinophils ($10^3/\mu\text{L}$)
CF	Mean	3.23	0.77	2.30	0.11
	SD	0.89	0.29	0.58	0.06
	N	19	19	19	19
B0.2F	Mean	3.14	0.93	2.05	0.11
	SD	1.04	0.38	0.68	0.07
	N	18	18	18	18
B2F	Mean	3.92	0.94	2.77	0.14
	SD	1.18	0.25	1.03	0.07
	N	20	20	20	20
B5F	Mean	3.73	0.86	2.71	0.11
	SD	1.11	0.34	0.93	0.04
	N	19	19	19	19
E0.2F	Mean	3.33	0.94	2.22	0.12
	SD	0.94	0.39	0.62	0.07
	N	18	18	18	18
E2F	Mean	4.04	1.08	2.74	0.15
	SD	1.56	0.67	0.99	0.10
	N	20	20	20	20
E5F	Mean	3.62	0.88	2.57	0.12
	SD	1.08	0.35	0.91	0.06
	N	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 14. Group Mean Absolute WBC Differential Count Data – Females

Group	Basophils ($10^3/\mu\text{L}$)	
CF	Mean	0.00
	SD	0.01
	N	19
B0.2F	Mean	0.00
	SD	0.01
	N	18
B2F	Mean	0.01
	SD	0.01
	N	20
B5F	Mean	0.01
	SD	0.01
	N	19
E0.2F	Mean	0.00
	SD	0.01
	N	18
E2F	Mean	0.01
	SD	0.01
	N	20
E5F	Mean	0.00
	SD	0.01
	N	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 15. Statistical Summary of Hematology Data

Parameter	Group	% Change from Control	Within Historical Range (Y or N)	Historical Range^a
Red Blood Cell Count	B5F	-7.5	Y	
	E0.2F	-4.7	Y	
	E2F	-4.3	Y	7.16-9.24 ^b
	E5F	-5.1	Y	
Hemoglobin	B5F	-5.9	Y	
	E5F	-5.3	Y	13.7-17.2 ^c
Hematocrit	B5F	-6.8	Y	
	E5F	-5.5	Y	38.5-49.2 ^d

a. Charles River, 2008.

b. $10^6/\mu\text{L}$

c. g/dL

d. %

Table 16. Group Mean Coagulation Data – Males

Group	Prothrombin Time (Seconds)	
CM	Mean	15.5
	SD	0.5
	N	20
B0.2M	Mean	15.4
	SD	0.7
	N	20
B2M	Mean	15.5
	SD	0.5
	N	20
B5M	Mean	15.7
	SD	0.8
	N	19
E0.2M	Mean	15.7
	SD	0.6
	N	17
E2M	Mean	15.8
	SD	0.7
	N	20
E5M	Mean	15.5
	SD	0.9
	N	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
 A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 17. Group Mean Coagulation Data – Females

Group	Prothrombin Time (Seconds)		
	Mean	SD	N
CF	15.3		
	0.4		
	15		
B0.2F	15.3		
	0.5		
	18		
B2F	15.3		
	0.4		
	16		
B5F	15.1		
	0.6		
	15		
E0.2F	15.4		
	0.5		
	18		
E2F	15.2		
	0.6		
	17		
E5F	15.5		
	0.9		
	14		

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 18. Group Mean Serum Chemistry Data – Males

Group	Alkaline Phosphatase	Aspartate Aminotransferase	Gamma Glutamyltransferase	Total Bilirubin
	(U/L)	(U/L)	(U/L)	(mg/dL)
CM	Mean	55	65	0.09
	SD	15	14	0.02
	N	20	20	20
B0.2M	Mean	62	68	0.10
	SD	17	20	0.02
	N	20	20	20
B2M	Mean	60	63	0.10
	SD	12	10	0.02
	N	20	20	20
B5M	Mean	60	71	0.10
	SD	14	15	0.02
	N	19	19	19
E0.2M	Mean	62	72	0.10
	SD	13	13	0.02
	N	20	20	20
E2M	Mean	58	67	0.09
	SD	16	15	0.02
	N	20	20	20
E5M	Mean	62	73	0.09
	SD	17	18	0.02
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 18. Group Mean Serum Chemistry Data – Males

Group	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
CM	Mean	0.03	6.7	102
	SD	0.01	0.2	46
	N	20	20	20
B0.2M	Mean	0.04	6.6	100
	SD	0.01	0.3	25
	N	20	20	20
B2M	Mean	0.04	6.5	87
	SD	0.01	0.3	17
	N	20	20	20
B5M	Mean	0.04	6.5	81
	SD	0.01	0.3	7
	N	19	19	19
E0.2M	Mean	0.03	6.6	94
	SD	0.01	0.3	17
	N	20	20	20
E2M	Mean	0.03	6.6	98
	SD	0.01	0.3	29
	N	20	20	20
E5M	Mean	0.04	6.6	90
	SD	0.01	0.4	25
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 18. Group Mean Serum Chemistry Data – Males

Group	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CM	Mean	2.4	1.73	12
	SD	0.2	0.15	0.8
	N	20	20	0.1
B0.2M	Mean	2.3	1.88	20
	SD	0.2	0.16	0.8
	N	20	20	0.1
B2M	Mean	2.3	1.80	20
	SD	0.2	0.17	0.8
	N	20	20	0.1
B5M	Mean	2.3	1.84	19
	SD	0.3	0.23	0.7
	N	19	19	0.1
E0.2M	Mean	2.4	1.77	20
	SD	0.3	0.25	0.7
	N	20	20	0.1
E2M	Mean	2.4	1.77	20
	SD	0.2	0.17	0.8
	N	20	20	0.1
E5M	Mean	2.4	1.79	20
	SD	0.2	0.15	0.7
	N	20	20	0.0

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 18. Group Mean Serum Chemistry Data – Males

Group	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
CM	Mean	66	86	11.1
	SD	19	14	0.3
	N	20	20	20
B0.2M	Mean	71	87	11.1
	SD	29	15	0.3
	N	20	20	20
B2M	Mean	62	90	11.2
	SD	26	18	0.4
	N	20	20	20
B5M	Mean	57	87	11.2
	SD	31	17	0.3
	N	19	19	19
E0.2M	Mean	69	87	11.1
	SD	36	22	0.3
	N	20	20	20
E2M	Mean	59	84	11.2
	SD	20	17	0.3
	N	20	20	20
E5M	Mean	64	91	11.4
	SD	26	16	0.4
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 18. Group Mean Serum Chemistry Data – Males

Group		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
CM	Mean	149	5.9	103
	SD	1	0.5	1
	N	20	20	20
B0.2M	Mean	148	5.9	103
	SD	1	0.4	1
	N	20	20	20
B2M	Mean	149	6.1	102
	SD	1	0.4	1
	N	20	20	20
B5M	Mean	149	6.1	102
	SD	1	0.4	1
	N	19	19	19
E0.2M	Mean	148	6.0	103
	SD	1	0.4	1
	N	20	20	20
E2M	Mean	149	5.9	102
	SD	1	0.4	1
	N	20	20	20
E5M	Mean	149	6.1	102
	SD	1	0.4	2
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 19. Group Mean Serum Chemistry Data – Females

Group	Alkaline Phosphatase	Aspartate Aminotransferase	Gamma Glutamyltransferase	Total Bilirubin
	(U/L)	(U/L)	(U/L)	(mg/dL)
CF	Mean	25	80	0.16
	SD	9	18	0.05
	N	20	20	20
B0.2F	Mean	28	85	0.17
	SD	16	24	0.04
	N	20	20	20
B2F	Mean	26	77	0.15
	SD	7	14	0.05
	N	20	20	20
B5F	Mean	26	74	0.15
	SD	13	16	0.04
	N	19	19	19
E0.2F	Mean	27	75	0.17
	SD	8	15	0.04
	N	20	20	20
E2F	Mean	28	74	0.16
	SD	12	12	0.04
	N	20	20	20
E5F	Mean	29	77	0.15
	SD	10	15	0.04
	N	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 19. Group Mean Serum Chemistry Data – Females

Group	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
CF	Mean	0.04	7.2	87
	SD	0.01	0.5	11
	N	20	20	20
B0.2F	Mean	0.04	7.3	87
	SD	0.01	0.4	9
	N	20	20	20
B2F	Mean	0.04	7.0	82
	SD	0.01	0.4	7
	N	20	20	20
B5F	Mean	0.04	6.9	83
	SD	0.01	0.4	12
	N	19	19	19
E0.2F	Mean	0.04	7.2	90
	SD	0.01	0.5	13
	N	20	20	20
E2F	Mean	0.04	7.1	87
	SD	0.01	0.3	12
	N	20	20	20
E5F	Mean	0.04	7.0	82
	SD	0.01	0.4	10
	N	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 19. Group Mean Serum Chemistry Data – Females

Group	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CF	Mean	2.2	2.35	14
	SD	0.2	0.22	0.9
	N	20	20	0.1
B0.2F	Mean	2.3	2.29	20
	SD	0.3	0.26	0.9
	N	20	20	0.1
B2F	Mean	2.2	2.25	20
	SD	0.3	0.24	0.8
	N	20	20	0.1
B5F	Mean	2.0	2.46	19 ^A
	SD	0.2	0.28	0.9
	N	19	19	0.1
E0.2F	Mean	2.2	2.31	19
	SD	0.3	0.33	0.9
	N	20	20	0.1
E2F	Mean	2.1	2.37	20 ^A
	SD	0.3	0.33	0.8
	N	20	20	0.1
E5F	Mean	2.1	2.42	18 ^A
	SD	0.3	0.35	0.8
	N	18	18	0.1

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 19. Group Mean Serum Chemistry Data – Females

Group	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
CF	Mean	39	83	11.1
	SD	10	19	0.3
	N	20	20	20
B0.2F	Mean	37	93	11.2
	SD	14	24	0.4
	N	20	20	20
B2F	Mean	36	87	11.0
	SD	11	24	0.3
	N	20	20	20
B5F	Mean	35	96	11.3
	SD	11	24	0.5
	N	19	19	19
E0.2F	Mean	40	84	11.2
	SD	13	22	0.3
	N	20	20	20
E2F	Mean	37	86	11.3 ^B
	SD	11	16	0.4
	N	20	20	20
E5F	Mean	38	102 ^A	11.3
	SD	9	18	0.4
	N	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 19. Group Mean Serum Chemistry Data – Females

Group		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
CF	Mean	145	5.4	99
	SD	2	0.5	2
	N	20	20	20
B0.2F	Mean	145	5.4	100
	SD	2	0.5	3
	N	20	20	20
B2F	Mean	146	5.3	99
	SD	1	0.5	2
	N	20	20	20
B5F	Mean	146	5.6	100
	SD	1	0.5	2
	N	19	19	19
E0.2F	Mean	145	5.2	99
	SD	2	0.4	3
	N	20	20	20
E2F	Mean	146	5.3	99
	SD	1	0.5	2
	N	20	20	20
E5F	Mean	146	5.3	100
	SD	2	0.6	2
	N	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 20. Statistical Summary for Serum Chemistry Data

Parameter	Group	% Change from Control	Within Historical Range (Y or N)	Historical Range^a (mg/dL)
Blood Urea Nitrogen	B2M	16.7	Y	
	B5M	25.0	Y	
	B5F	28.6	Y	11-20 ^b
	E2M	16.7	Y	12-25 ^c
	E2F	28.6	Y	
	E5M	16.7	Y	
	E5F	42.8	Y	
Calcium	E2F	1.8	Y	9.5-12.1
Cholesterol	E5F	22.9	N ^d	23-97
Phosphorus	B5M	16.2	Y	
	B5F	40.4	Y	3.6-8.4 ^b
	E2F	28.8	Y	4.5-9.5 ^c
	E5F	34.6	Y	

a. Charles River, 2008.

b. Males.

c. Females.

d. Exceeded upper range by 5 mg/dL or 5.2%.

Table 21. Group Mean Urine Chemistry Data – Males

Group		Specific Gravity	pH	Urine Volume (mL)
CM	Mean	1.022	6.8	8.5
	SD	0.006	0.8	2.2
	N	10	10	10
B0.2M	Mean	1.021	6.6	9.8
	SD	0.005	0.5	3.0
	N	10	10	10
B2M	Mean	1.024	7.1	7.6
	SD	0.005	0.9	1.6
	N	10	10	10
B5M	Mean	1.024	6.7	7.7
	SD	0.006	0.4	2.8
	N	10	10	10
E0.2M	Mean	1.026	6.7	8.9
	SD	0.009	0.6	4.9
	N	10	10	10
E2M	Mean	1.025	6.7	7.3
	SD	0.006	0.8	2.4
	N	9	9	9
E5M	Mean	1.022	6.6	12.2
	SD	0.010	0.7	13.7
	N	10	10	10

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 22. Group Mean Urine Chemistry Data – Females

Group	Specific Gravity	pH	Urine Volume (mL)
CF	Mean 1.017	6.0	10.5
	SD 0.008	0.6	7.2
	N 10	10	10
B0.2F	Mean 1.026	6.1	5.3
	SD 0.010	0.4	3.0
	N 10	10	10
B2F	Mean 1.019	6.4	6.8
	SD 0.006	0.5	5.2
	N 10	10	10
B5F	Mean 1.029 ^A	6.3	4.3 ^a
	SD 0.009	0.3	1.8
	N 10	10	10
E0.2F	Mean 1.021	6.6 ^A	8.4
	SD 0.007	0.7	5.4
	N 10	10	10
E2F	Mean 1.021	6.5	7.4
	SD 0.008	0.4	5.4
	N 10	10	10
E5F	Mean 1.022	6.3	6.8
	SD 0.007	0.4	4.0
	N 9	9	9

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 23. Statistical Summary for Urine Chemistry Data

Parameter	Group	% Change from Control	Historical Data^a
Specific Gravity	B5F	1.2	1.03 ± 0.01
pH	E0.2F	10.0	--
Urine Volume	B5F	-59.0	14.8 ± 12.0 ^b

a. Charles River, 1998.

b. mL

-- = Not applicable.

Table 24. Individual Animal Urinalysis Data – Males

Animal							
Group	ID	Day	Appearance	Color	Glucose	pH	Protein
CM	106	365	Clear	Yellow	Negative	6.5	Negative, Trace
	107	365	Clear	Yellow	Negative	6.5	Negative, Trace
	108	365	Clear	Yellow	Negative	5.5	Negative, Trace
	109	365	Clear	Yellow	Negative	7.0	~30 mg/dL
	110	365	Clear	Yellow	Negative	7.0	Negative, Trace
	116	366	Clear	Yellow	Negative	6.5	Negative, Trace
	117	366	Clear	Straw	Negative	7.0	Negative, Trace
	118	366	Clear	Yellow	Negative	7.0	~30 mg/dL
	119	366	Clear	Yellow	Negative	6.5	Negative, Trace
	120	366	Clear	Straw	Negative	8.5	~30 mg/dL
B0.2M	306	365	Hazy	Yellow	Negative	6.0	Negative, Trace
	307	365	Clear	Yellow	Negative	7.0	~30 mg/dL
	308	365	Clear	Yellow	Negative	7.0	~30 mg/dL
	309	365	Clear	Yellow	Negative	7.0	Negative, Trace
	310	365	Clear	Yellow	Negative	6.0	Negative, Trace
	316	366	Clear	Yellow	Negative	7.0	Negative, Trace
	317	366	Clear	Yellow	Negative	6.0	Negative, Trace
	318	366	Clear	Yellow	Negative	6.0	Negative, Trace
	319	366	Clear	Yellow	Negative	6.5	Negative, Trace
	320	366	Clear	Straw	Negative	7.0	Negative, Trace
B2M	406	365	Hazy	Yellow	Negative	7.0	~30 mg/dL
	407	365	Clear	Yellow	Negative	6.5	Negative, Trace
	408	365	Clear	Yellow	Negative	6.5	Negative, Trace
	409	365	Clear	Yellow	Negative	6.5	Negative, Trace
	410	365	Clear	Yellow	Negative	7.0	Negative, Trace
	416	366	Clear	Yellow	Negative	6.5	Negative, Trace
	417	366	Clear	Yellow	Negative	7.0	Negative, Trace
	418	366	Clear	Yellow	Negative	9.0	~30 mg/dL
	419	366	Clear	Yellow	Negative	8.5	Negative, Trace

Table 24. Individual Animal Urinalysis Data – Males

Animal							
Group	ID	Day	Appearance	Color	Glucose	pH	Protein
B2M	420	366	Clear	Yellow	Negative	6.5	Negative, Trace
	506	365	Clear	Yellow	Negative	6.0	Negative, Trace
	507	365	Clear	Yellow	Negative	6.5	Negative, Trace
	508	365	Clear	Yellow	Negative	6.5	~30 mg/dL
	509	365	Clear	Yellow	Negative	6.5	Negative, Trace
	510	365	Clear	Yellow	Negative	6.5	Negative, Trace
	516	366	Clear	Yellow	Negative	7.5	~30 mg/dL
	517	366	Clear	Yellow	Negative	7.0	Negative, Trace
	518	366	Clear	Yellow	Negative	7.0	Negative, Trace
	519	366	Clear	Yellow	Negative	6.5	Negative, Trace
B5M	520	366	Clear	Straw	Negative	7.0	Negative, Trace
	606	365	Clear	Yellow	Negative	7.0	Negative, Trace
	607	365	Clear	Yellow	Negative	6.0	Negative, Trace
	608	365	Clear	Yellow	Negative	6.5	~30 mg/dL
	609	365	Clear	Yellow	Negative	6.5	~30 mg/dL
	610	365	Clear	Yellow	Negative	6.5	Negative, Trace
	616	366	Clear	Yellow	Negative	6.0	~30 mg/dL
	617	366	Clear	Yellow	Negative	6.5	Negative, Trace
	618	366	Clear	Yellow	Negative	8.0	Negative, Trace
	619	366	Clear	Straw	Negative	7.0	Negative, Trace
E0.2M	620	366	Clear	Yellow	Negative	7.0	Negative, Trace
	706	365	Hazy	Yellow	Negative	5.5	Negative, Trace
	707	365	Clear	Yellow	Negative	7.0	Negative, Trace
	708	365	Hazy	Yellow	Negative	7.0	~30 mg/dL
	709	365	Clear	Yellow	Negative	8.0	Negative, Trace
	716	366	Clear	Yellow	Negative	6.0	Negative, Trace
	717	366	Clear	Yellow	Negative	6.0	~30 mg/dL
	718	366	Clear	Yellow	Negative	7.0	~30 mg/dL
	719	366	Clear	Yellow	Negative	6.5	Negative, Trace
E2M							

Table 24. Individual Animal Urinalysis Data – Males

Animal							
Group	ID	Day	Appearance	Color	Glucose	pH	Protein
E2M	720	366	Clear	Yellow	Negative	7.0	Negative, Trace
	806	365	Clear	Yellow	Negative	6.5	Negative, Trace
	807	365	Hazy	Yellow	Negative	6.5	Negative, Trace
	808	365	Clear	Straw	Negative	5.0	Negative, Trace
	809	365	Clear	Yellow	Negative	6.0	Negative, Trace
	810	365	Clear	Yellow	Negative	6.5	~30 mg/dL
	816	366	Clear	Yellow	Negative	7.5	Negative, Trace
	817	366	Clear	Yellow	Negative	7.0	Negative, Trace
	818	366	Clear	Yellow	Negative	6.5	~30 mg/dL
	819	366	Clear	Straw	Negative	7.0	Negative, Trace
	820	366	Clear	Yellow	Negative	7.5	Negative, Trace

Table 25. Individual Animal Urinalysis Data – Females

Animal							
Group	ID	Day	Appearance	Color	Glucose	pH	Protein
CF	1106	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1107	366	Hazy	Yellow	Negative	6.0	Negative, Trace
	1108	366	Clear	Yellow	Negative	5.5	Negative, Trace
	1109	366	Clear	Yellow	Negative	6.5	Negative, Trace
	1110	366	Clear	Straw	Negative	5.5	Negative, Trace
	1116	367	Clear	Yellow	Negative	6.0	Negative, Trace
	1117	367	Clear	Yellow	Negative	6.0	Negative, Trace
	1118	367	Clear	Straw	Negative	7.0	Negative, Trace
	1119	367	Clear	Straw	Negative	6.0	Negative, Trace
	1120	367	Clear	Straw	Negative	5.0	Negative, Trace
B0.2F	1306	366	Clear	Yellow	Negative	6.5	~30 mg/dL
	1307	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1308	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1309	366	Clear	Straw	Negative	6.5	Negative, Trace
	1310	366	Clear	Yellow	Negative	6.5	Negative, Trace
	1316	367	Clear	Yellow	Negative	5.5	Negative, Trace
	1317	367	Clear	Yellow	Negative	6.0	Negative, Trace
	1318	367	Clear	Yellow	Negative	5.5	Negative, Trace
	1319	367	Clear	Yellow	Negative	6.5	Negative, Trace
	1320	367	Clear	Straw	Negative	6.0	Negative, Trace
B2F	1406	366	Clear	Yellow	Negative	6.5	Negative, Trace
	1407	366	Clear	Straw	Negative	7.0	Negative, Trace
	1408	366	Clear	Yellow	Negative	6.5	Negative, Trace
	1409	366	Clear	Yellow	Negative	7.0	Negative, Trace
	1410	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1416	367	Clear	Straw	Negative	7.0	Negative, Trace
	1417	367	Clear	Straw	Negative	6.5	Negative, Trace
	1418	367	Clear	Yellow	Negative	6.0	Negative, Trace
	1419	367	Clear	Yellow	Negative	6.0	Negative, Trace

Table 25. Individual Animal Urinalysis Data – Females

Animal Health Data Summary							
Group	ID	Day	Appearance	Color	Glucose	pH	Protein
B2F	1420	367	Clear	Straw	Negative	5.5	Negative, Trace
	1506	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1507	366	Clear	Yellow	Negative	6.5	Negative, Trace
	1508	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1509	366	Hazy	Yellow	Negative	6.5	~30 mg/dL
	1510	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1515	367	Clear	Yellow	Negative	6.0	Negative, Trace
	1517	367	Clear	Yellow	Negative	6.5	Negative, Trace
	1518	367	Clear	Yellow	Negative	6.5	Negative, Trace
	1519	367	Clear	Yellow	Negative	6.0	Negative, Trace
B5F	1520	367	Clear	Yellow	Negative	7.0	Negative, Trace
	1606	366	Clear	Yellow	Negative	8.5	Negative, Trace
	1607	366	Hazy	Yellow	Negative	6.0	Negative, Trace
	1608	366	Clear	Yellow	Negative	6.0	~100 mg/dL
	1609	366	Hazy	Yellow	Negative	6.0	Negative, Trace
	1610	366	Clear	Straw	Negative	6.5	Negative, Trace
	1616	367	Clear	Yellow	Negative	6.5	Negative, Trace
	1617	367	Clear	Straw	Negative	6.5	Negative, Trace
	1618	367	Clear	Yellow	Negative	7.0	Negative, Trace
	1619	367	Clear	Yellow	Negative	6.5	Negative, Trace
E0.2F	1620	367	Clear	Yellow	Negative	6.5	Negative, Trace
	1706	366	Clear	Yellow	Negative	7.0	Negative, Trace
	1707	366	Clear	Yellow	Negative	6.5	Negative, Trace
	1708	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1709	366	Clear	Straw	Negative	7.0	Negative, Trace
	1710	366	Clear	Yellow	Negative	6.5	Negative, Trace
	1716	367	Clear	Yellow	Negative	6.0	Negative, Trace
	1717	367	Clear	Yellow	Negative	6.0	Negative, Trace
	1718	367	Clear	Yellow	Negative	7.0	Negative, Trace
E2F	1718	367	Clear	Yellow	Negative	7.0	Negative, Trace

Table 25. Individual Animal Urinalysis Data – Females

Animal							
Group	ID	Day	Appearance	Color	Glucose	pH	Protein
E2F	1719	367	Clear	Yellow	Negative	6.5	Negative, Trace
	1720	367	Clear	Yellow	Negative	6.0	Negative, Trace
	1805	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1807	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1808	366	Hazy	Yellow	Negative	6.0	Negative, Trace
	1810	366	Clear	Yellow	Negative	6.0	Negative, Trace
	1816	367	Clear	Yellow	Negative	6.0	Negative, Trace
	1817	367	Clear	Yellow	Negative	7.0	Negative, Trace
	1818	367	Clear	Straw	Negative	6.5	Negative, Trace
	1819	367	Clear	Straw	Negative	7.0	Negative, Trace
	1820	367	Clear	Yellow	Negative	6.5	Negative, Trace

Table 26. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
CM	106	365	None	None	None	None	None
	107	365	None	None	None	None	Rare
	108	365	None	None	None	Rare	None
	109	365	None	None	None	Rare	None
	110	365	None	None	None	None	Rare
	116	366	None	Rare	None	None	None
	117	366	None	None	None	None	None
	118	366	None	None	None	None	None
	119	366	None	None	None	None	None
	120	366	None	None	None	None	Rare
B0.2M	306	365	None	None	None	None	None
	307	365	None	None	None	None	Rare
	308	365	None	None	None	None	None
	309	365	None	None	None	None	None
	310	365	None	None	None	None	None
	316	366	None	None	None	None	Rare
	317	366	None	None	None	None	None
	318	366	None	None	None	None	None
	319	366	None	None	None	None	None
	320	366	None	None	None	None	Rare
B2M	406	365	None	None	None	None	Rare
	407	365	None	None	None	None	None
	408	365	None	None	None	None	Rare
	409	365	None	None	None	None	None
	410	365	None	None	None	None	Rare
	416	366	None	None	None	None	None
	417	366	None	None	None	None	None

Table 26. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
B2M	418	366	None	None	None	None	Many
	419	366	None	None	None	None	None
	420	366	None	None	None	None	None
B5M	506	365	None	None	None	None	None
	507	365	None	None	None	None	None
	508	365	None	None	None	None	Rare
	509	365	None	None	None	None	None
	510	365	None	None	None	None	None
	516	366	None	Rare	None	None	None
	517	366	None	None	None	None	None
	518	366	None	None	None	None	None
	519	366	None	None	None	None	None
	520	366	None	None	None	None	None
E0.2M	606	365	None	None	None	None	Rare
	607	365	None	Rare	None	None	None
	608	365	None	None	None	None	None
	609	365	None	None	None	None	None
	610	365	None	Rare	None	None	None
	616	366	None	None	None	None	None
	617	366	None	None	None	None	None
	618	366	None	None	None	None	None
	619	366	None	Rare	None	None	Rare
	620	366	None	Rare	None	None	None
E2M	706	365	None	None	None	None	Rare
	707	365	None	None	None	None	Rare
	708	365	None	None	None	None	None
	709	365	None	None	None	None	Rare

Table 26. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
E2M	716	366	None	None	None	None	None
	717	366	None	None	None	None	None
	718	366	None	None	None	None	None
	719	366	None	None	None	None	None
	720	366	None	None	None	None	Few
E5M	806	365	None	None	None	None	Rare
	807	365	None	None	None	None	None
	808	365	None	None	None	None	None
	809	365	None	None	None	None	None
	810	365	None	None	None	None	Rare
	816	366	None	None	None	None	Few
	817	366	None	None	None	None	None
	818	366	None	Rare	None	None	None
	819	366	None	None	None	None	None
	820	366	None	None	None	None	Rare

Table 26. Individual Animal Urine Sediment Data – Males

Group	Animal	White Blood					
		ID	Day	Cells (Average #/High Power Field (400X))	Red Blood Cells (Average #/High Power Field (400X))	Casts (Average #/Low Power Field (100X))	Epithelial Cells (Average #/Low Power Field (100X))
CM	106	365	0	0	0	2	0
	107	365	0	0	0	2	0
	108	365	0	0	0	2	2
	109	365	0	0	0	10	0
	110	365	0	0	0	2	2
	116	366	0	0	0	2	2
	117	366	0	0	0	2	2
	118	366	0	0	0	0	0
	119	366	0	0	0	10	20
	120	366	0	0	0	0	0
B0.2M	306	365	0	4	0	4	2
	307	365	0	0	0	2	0
	308	365	0	4	0	0	0
	309	365	0	0	0	4	8
	310	365	0	0	0	2	0
	316	366	0	0	0	5	0
	317	366	0	0	0	2	0
	318	366	0	0	0	5	2
	319	366	0	0	0	2	0
	320	366	0	0	0	2	2
B2M	406	365	0	0	0	2	2
	407	365	0	0	0	2	0
	408	365	0	0	0	2	8
	409	365	0	0	0	2	4
	410	365	0	0	0	2	0
	416	366	0	0	0	3	20

Table 26. Individual Animal Urine Sediment Data – Males

Group	Animal	White Blood Cells		Red Blood Cells (Average #/High Power Field (400X))	Casts (Average #/Low Power Field (100X))	Epithelial Cells (Average #/Low Power Field (100X))	Sperm (Average #/High Power Field (400X))
		ID	Day				
B2M	417	366	0	0	0	0	2
	418	366	0	0	0	5	10
	419	366	0	0	0	0	5
	420	366	0	20	0	0	0
B5M	506	365	0	0	0	2	1
	507	365	0	0	0	2	2
	508	365	0	0	0	4	10
	509	365	0	0	0	2	4
	510	365	0	0	0	10	2
	516	366	0	0	0	2	10
	517	366	0	0	0	5	5
	518	366	0	0	0	10	20
	519	366	0	0	0	2	10
	520	366	0	0	0	5	0
E0.2M	606	365	0	0	0	2	2
	607	365	0	0	0	2	2
	608	365	0	0	0	2	2
	609	365	0	0	0	2	2
	610	365	0	0	0	4	0
	616	366	0	0	0	5	10
	617	366	0	0	0	4	10
	618	366	0	0	0	5	5
	619	366	0	0	0	5	5
	620	366	0	0	0	2	2
E2M	706	365	0	0	0	8	4
	707	365	0	0	0	2	4

Table 26. Individual Animal Urine Sediment Data – Males

Group	Animal	White Blood Cells		Red Blood Cells (Average #/High Power Field (400X))	Casts (Average #/Low Power Field (100X))	Epithelial Cells (Average #/Low Power Field (100X))	Sperm (Average #/High Power Field (400X))
		ID	Day				
E2M	708	365	0	0	0	6	4
	709	365	0	0	0	2	0
	716	366	0	0	0	2	2
	717	366	0	0	0	5	2
	718	366	0	0	0	2	0
	719	366	0	0	0	2	2
	720	366	0	0	0	10	10
E5M	806	365	0	0	0	4	2
	807	365	0	0	0	2	2
	808	365	0	0	0	0	2
	809	365	0	0	0	6	6
	810	365	0	0	0	2	0
	816	366	0	0	0	2	5
	817	366	0	0	0	2	2
	818	366	0	0	0	2	5
	819	366	0	0	0	10	2
	820	366	0	0	0	5	0

Table 27. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	Mucus	Bacteria	Yeast	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
			(Assessed Using High Power Field (400X))	(Assessed Using High Power Field (400X))	(Assessed Using High Power Field (400X))		
CF	1106	366	Rare	Rare	None	None	None
	1107	366	Rare	Rare	None	Rare	None
	1108	366	Rare	None	None	Rare	None
	1109	366	Rare	None	None	None	None
	1110	366	Rare	None	None	Rare	None
	1116	367	None	Rare	None	None	None
	1117	367	Rare	Rare	None	Rare	None
	1118	367	Rare	None	None	None	None
	1119	367	None	None	None	None	None
	1120	367	None	None	None	None	None
B0.2F	1306	366	Rare	Rare	None	None	Rare
	1307	366	None	None	None	None	None
	1308	366	Rare	None	None	Rare	None
	1309	366	None	None	None	None	Rare
	1310	366	Rare	None	None	None	None
	1316	367	None	None	None	None	None
	1317	367	None	Rare	None	None	None
	1318	367	Rare	None	None	None	None
	1319	367	None	Rare	None	None	Rare
	1320	367	Few	None	None	None	None
B2F	1406	366	Rare	Rare	None	Rare	Rare
	1407	366	None	None	None	None	None
	1408	366	Rare	None	None	None	None
	1409	366	Rare	None	None	None	Rare
	1410	366	None	Rare	None	None	None
	1416	367	None	None	None	None	None
	1417	367	Rare	None	None	None	None

Table 27. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
B2F	1418	367	Rare	None	None	None	None
	1419	367	Rare	None	None	None	None
	1420	367	None	None	None	None	None
B5F	1506	366	None	None	None	None	None
	1507	366	None	Rare	None	None	None
	1508	366	None	None	None	None	None
	1509	366	None	Rare	None	None	None
	1510	366	None	None	None	None	None
	1515	367	Rare	None	None	None	None
	1517	367	None	None	None	None	None
	1518	367	None	None	None	None	None
	1519	367	None	None	None	None	None
	1520	367	None	Rare	None	None	None
E0.2F	1606	366	None	None	None	Rare	None
	1607	366	Rare	Rare	None	None	None
	1608	366	Rare	Rare	None	Rare	None
	1609	366	Rare	None	None	Rare	None
	1610	366	None	None	None	None	None
	1616	367	None	None	None	None	None
	1617	367	Rare	Rare	None	None	None
	1618	367	None	None	None	None	Rare
	1619	367	Rare	Rare	None	None	None
	1620	367	None	None	None	None	None
E2F	1706	366	None	Rare	None	Rare	None
	1707	366	Rare	None	None	Rare	None
	1708	366	Rare	None	None	None	None
	1709	366	None	None	None	None	None

Table 27. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
E2F	1710	366	None	Rare	None	None	None
	1716	367	None	Few	None	Rare	None
	1717	367	None	None	None	None	None
	1718	367	Rare	None	None	None	None
	1719	367	None	None	None	None	None
	1720	367	None	None	None	None	None
E5F	1805	366	Rare	Rare	None	Rare	None
	1807	366	Rare	None	None	None	None
	1808	366	Rare	Rare	None	None	Rare
	1810	366	Rare	Rare	None	Rare	None
	1816	367	Few	Rare	None	None	None
	1817	367	None	Rare	None	Rare	None
	1818	367	Rare	None	None	None	None
	1819	367	None	None	None	Few	Rare
	1820	367	None	None	None	None	Rare

Table 27. Individual Animal Urine Sediment Data – Females

Group	Animal	White Blood Cells		Red Blood Cells (Average #/High Power Field (400X))	Casts (Average #/Low Power Field (100X))	Epithelial Cells (Average #/Low Power Field (100X))	Sperm (Average #/High Power Field (400X))
		ID	Day				
CF	1106	366	0	0	0	10	0
	1107	366	0	0	0	10	0
	1108	366	0	0	0	2	0
	1109	366	0	0	0	4	0
	1110	366	0	0	0	10	0
	1116	367	0	0	0	5	0
	1117	367	0	0	0	5	0
	1118	367	0	0	0	0	0
	1119	367	0	0	0	0	0
	1120	367	0	0	0	5	0
B0.2F	1306	366	0	0	0	6	0
	1307	366	0	0	0	4	0
	1308	366	0	0	0	10	0
	1309	366	0	0	0	2	0
	1310	366	0	0	0	2	0
	1316	367	0	0	0	2	0
	1317	367	0	0	0	0	0
	1318	367	0	0	0	2	0
	1319	367	0	0	0	2	0
	1320	367	0	0	0	2	0
B2F	1406	366	0	0	0	4	0
	1407	366	0	0	0	2	0
	1408	366	0	0	0	8	0
	1409	366	0	0	0	2	0
	1410	366	0	0	0	2	0
	1416	367	0	0	0	0	0

Table 27. Individual Animal Urine Sediment Data – Females

Group	Animal	White Blood Cells		Red Blood Cells (Average #/High Power Field (400X))	Casts (Average #/Low Power Field (100X))	Epithelial Cells (Average #/Low Power Field (100X))	Sperm (Average #/High Power Field (400X))
		ID	Day				
B2F	1417	367	0	0	0	5	0
	1418	367	0	0	0	5	0
	1419	367	0	0	0	0	0
	1420	367	0	0	0	0	0
B5F	1506	366	0	0	0	2	0
	1507	366	0	0	0	2	0
	1508	366	0	0	0	4	0
	1509	366	0	0	0	0	0
	1510	366	0	0	0	2	0
	1515	367	0	0	0	0	0
	1517	367	0	0	0	0	0
	1518	367	0	0	0	2	0
	1519	367	0	0	0	2	0
	1520	367	0	0	0	0	0
E0.2F	1606	366	0	0	0	2	0
	1607	366	0	0	0	10	0
	1608	366	0	0	0	2	0
	1609	366	0	0	0	6	0
	1610	366	0	0	0	2	0
	1616	367	0	0	0	0	0
	1617	367	0	0	0	0	0
	1618	367	0	0	0	2	0
	1619	367	0	0	0	2	0
	1620	367	0	0	0	0	0
E2F	1706	366	0	0	0	2	0
	1707	366	0	0	0	4	0

Table 27. Individual Animal Urine Sediment Data – Females

Group	Animal	White Blood Cells		Red Blood Cells (Average #/High Power Field (400X))	Casts (Average #/Low Power Field (100X))	Epithelial Cells (Average #/Low Power Field (100X))	Sperm (Average #/High Power Field (400X))
		ID	Day				
E2F	1708	366	0	0	0	2	0
	1709	366	0	0	0	2	0
	1710	366	0	0	0	4	0
	1716	367	0	0	0	10	0
	1717	367	0	0	0	2	0
	1718	367	2	0	0	5	0
	1719	367	2	0	0	5	0
	1720	367	0	0	0	5	0
	1805	366	0	0	0	10	0
E5F	1807	366	0	0	0	2	0
	1808	366	0	0	0	6	0
	1810	366	0	0	0	2	0
	1816	367	0	0	0	2	0
	1817	367	0	0	0	0	0
	1818	367	0	0	0	2	0
	1819	367	0	0	0	2	0
	1820	367	0	0	0	0	0

Table 28. Group Mean Absolute Organ Weights (g) – Males

Group	Adrenal Glands	Brain	Epididymides	Heart	Kidneys	Liver
CM	Mean	0.049	2.114	1.4145	1.174	2.239
	SD	0.008	0.062	0.2748	0.117	0.288
	N	20	20	20	20	20
B0.2M	Mean	0.050	2.102	1.3507	1.165	2.223
	SD	0.007	0.099	0.1490	0.121	0.254
	N	20	20	20	20	20
B2M	Mean	0.051	2.171	1.3253	1.203	2.228
	SD	0.006	0.101	0.0858	0.118	0.215
	N	20	20	20	20	20
B5M	Mean	0.049	2.124	1.3524	1.163	2.233
	SD	0.006	0.111	0.1261	0.112	0.262
	N	19	19	19	19	19
E0.2M	Mean	0.049	2.105	1.3604	1.188	2.328
	SD	0.008	0.107	0.1801	0.183	0.361
	N	20	20	20	20	20
E2M	Mean	0.050	2.087 ^B	1.4105 ^B	1.161	2.288
	SD	0.007	0.086	0.0930	0.101	0.251
	N	20	20	20	20	20
E5M	Mean	0.045	2.118	1.3050	1.158	2.294
	SD	0.008	0.102	0.2300	0.126	0.245
	N	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 28. Group Mean Absolute Organ Weights (g) – Males

Group	Lungs	Pituitary Gland		Prostate	Salivary Gland	Seminal Vesicles		Spleen
		Gland	Mean			SD	N	
CM	Mean	0.011	3.351	1.203	0.717	1.321	20	0.757
	SD	0.002	0.587	0.199	0.074	0.220	20	0.114
	N	20	20	20	20	20	20	20
B0.2M	Mean	0.013	3.215	1.369	0.693	1.377	20	0.735
	SD	0.002	0.696	0.403	0.078	0.252	20	0.142
	N	20	20	20	20	20	20	20
B2M	Mean	0.012	3.142	1.406	0.761	1.503 ^A	20	0.717
	SD	0.003	0.587	0.426	0.061	0.258	20	0.090
	N	20	20	20	20	20	20	20
B5M	Mean	0.012	3.429	1.352	0.751	1.398	20	0.687
	SD	0.003	0.739	0.337	0.083	0.212	20	0.095
	N	19	19	19	19	19	19	19
E0.2M	Mean	0.013	3.238	1.373 ^a	0.709	1.387	20	0.751
	SD	0.003	0.894	0.295	0.085	0.194	20	0.158
	N	20	20	20	20	20	20	20
E2M	Mean	0.012	3.553 ^B	1.223	0.706 ^B	1.366	20	0.714
	SD	0.002	0.613	0.225	0.081	0.196	20	0.091
	N	20	20	20	20	20	20	20
E5M	Mean	0.013	3.356	1.275	0.736	1.388	20	0.689 ^a
	SD	0.002	0.490	0.338	0.068	0.184	20	0.082
	N	20	20	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 28. Group Mean Absolute Organ Weights (g) – Males

Group	Testes	Thymus	Thyroid Glands
CM	Mean	3.855	0.159
	SD	0.725	0.070
	N	20	20
B0.2M	Mean	4.125	0.180
	SD	0.322	0.066
	N	20	20
B2M	Mean	4.031	0.162
	SD	0.417	0.076
	N	20	20
B5M	Mean	3.972	0.157
	SD	0.433	0.063
	N	19	19
E0.2M	Mean	3.995	0.183
	SD	0.829	0.071
	N	20	20
E2M	Mean	4.121	0.178
	SD	0.431	0.062
	N	20	20
E5M	Mean	3.873	0.189
	SD	0.942	0.054
	N	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 29. Group Mean Absolute Organ Weights (g) – Females

Group	Adrenal Glands	Brain	Heart	Kidneys	Liver	Lungs
CF	Mean	0.056	1.955	0.853	1.544	5.958
	SD	0.010	0.106	0.078	0.166	0.701
	N	20	20	20	20	20
B0.2F	Mean	0.055	1.938	0.832	1.537	5.902
	SD	0.009	0.090	0.087	0.128	0.761
	N	20	20	20	20	20
B2F	Mean	0.060	1.945	0.835	1.524	5.709
	SD	0.012	0.100	0.084	0.142	0.752
	N	20	20	20	20	20
B5F	Mean	0.050	1.896	0.707 ^A	1.337 ^A	5.198 ^A
	SD	0.008	0.083	0.080	0.146	0.637
	N	19	19	19	19	19
E0.2F	Mean	0.057	1.911	0.836	1.602	6.039
	SD	0.011	0.090	0.069	0.141	0.655
	N	20	20	20	20	20
E2F	Mean	0.058	1.965	0.814	1.523	5.705
	SD	0.010	0.083	0.081	0.163	0.613
	N	20	20	20	20	20
E5F	Mean	0.054	1.922	0.749 ^A	1.383 ^A	5.453
	SD	0.012	0.088	0.068	0.154	0.548
	N	18	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 29. Group Mean Absolute Organ Weights (g) – Females

Group	Ovaries	Pituitary Gland			Thymus	Thyroid Glands
		Gland	Salivary Gland	Spleen		
CF	Mean	0.094	0.018	0.526	0.504	0.173
	SD	0.074	0.003	0.053	0.075	0.049
	N	20	20	20	20	20
B0.2F	Mean	0.074	0.019	0.534	0.489	0.178
	SD	0.027	0.003	0.059	0.047	0.047
	N	20	20	20	20	20
B2F	Mean	0.068	0.019	0.576	0.500	0.189
	SD	0.030	0.004	0.095	0.085	0.075
	N	20	20	20	20	20
B5F	Mean	0.060	0.016	0.504	0.441 ^a	0.142 ^a
	SD	0.021	0.003	0.071	0.063	0.030
	N	19	19	19	19	19
E0.2F	Mean	0.089	0.019	0.531	0.518	0.170
	SD	0.099	0.004	0.065	0.106	0.045
	N	20	20	20	20	20
E2F	Mean	0.080	0.017	0.559	0.513	0.185
	SD	0.046	0.003	0.070	0.074	0.060
	N	20	20	20	20	20
E5F	Mean	0.069	0.018 ^B	0.527	0.447 ^a	0.141 ^a
	SD	0.037	0.004	0.048	0.071	0.038
	N	18	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 29. Group Mean Absolute Organ Weights (g) – Females

Group	Uterus	
CF	Mean	0.846
	SD	0.171
	N	20
B0.2F	Mean	1.052
	SD	0.442
	N	20
B2F	Mean	1.098 ^a
	SD	0.307
	N	20
B5F	Mean	0.895
	SD	0.290
	N	19
E0.2F	Mean	0.897
	SD	0.245
	N	20
E2F	Mean	1.175
	SD	0.728
	N	20
E5F	Mean	1.435
	SD	2.084
	N	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.
A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 30. Statistical Summary for Absolute Organ Weight Data

Parameter	Group	% Change from Control
Prostate gland	E0.2M	14.1
Seminal Vesicles	B2M	13.8
	E5M	-9.0
Spleen	B5F	-12.5
	E5F	-11.3
	B5F	-17.1
Heart	E5F	-12.2
	B5F	-13.4
Kidney	E5F	-10.4
	B5F	-12.8
Liver	B5F	-17.9
	E5F	-18.5
Thymus	B5F	-19.4
Thyroid gland	B2F	29.8
Uterus		

Table 31. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Terminal Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
CM	Mean	483.1	0.010	0.441	0.2940	0.243
	SD	47.5	0.001	0.043	0.0553	0.014
	N	20	20	20	20	20
B0.2M	Mean	472.1	0.011	0.450	0.2890	0.248
	SD	56.1	0.001	0.045	0.0385	0.025
	N	20	20	20	20	20
B2M	Mean	466.4	0.011	0.470	0.2871	0.258 ^a
	SD	45.6	0.001	0.049	0.0354	0.016
	N	20	20	20	20	20
B5M	Mean	435.2 ^A	0.011	0.493 ^A	0.3136	0.269 ^a
	SD	51.7	0.001	0.049	0.0358	0.027
	N	19	19	19	19	19
E0.2M	Mean	475.1	0.011	0.448	0.2905	0.251
	SD	60.5	0.002	0.044	0.0521	0.029
	N	20	20	20	20	20
E2M	Mean	453.0	0.011	0.466	0.3151 ^B	0.257 ^a
	SD	50.3	0.002	0.053	0.0412	0.017
	N	20	20	20	20	20
E5M	Mean	446.5	0.010	0.479	0.2958	0.260 ^a
	SD	52.0	0.002	0.044	0.0587	0.016
	N	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 31. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Terminal Body Weight		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
	Mean	SD					
CM	483.1	47.5	2.011	0.694	0.002	0.251	0.149
	SD	N	0.137	0.112	0.001	0.046	0.015
	20	20	20	20	20	20	20
B0.2M	472.1	56.1	2.048	0.689	0.003 ^A	0.291	0.148
	SD	N	0.132	0.170	0.000	0.082	0.015
	20	20	20	20	20	20	20
B2M	466.4	45.6	2.070	0.675	0.003	0.304 ^a	0.165 ^a
	SD	N	0.120	0.116	0.001	0.096	0.021
	20	20	20	20	20	20	20
B5M	435.2 ^A	51.7	2.139 ^a	0.791	0.003	0.317 ^a	0.175 ^a
	SD	N	0.124	0.165	0.000	0.097	0.027
	19	19	19	19	19	19	19
E0.2M	475.1	60.5	2.179 ^a	0.691	0.003	0.291 ^a	0.150
	SD	N	0.314	0.201	0.001	0.064	0.018
	20	20	20	20	20	20	20
E2M	453.0	50.3	2.143 ^a	0.785 ^B	0.003	0.273	0.156
	SD	N	0.173	0.113	0.000	0.062	0.015
	20	20	20	20	20	20	20
E5M	446.5	52.0	2.142 ^a	0.763	0.003 ^A	0.292	0.166 ^a
	SD	N	0.125	0.151	0.001	0.096	0.020
	20	20	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 31. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Terminal Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
CM	Mean	483.1	0.276	0.158	0.802	0.033
	SD	47.5	0.051	0.027	0.160	0.014
	N	20	20	20	20	20
B0.2M	Mean	472.1	0.297	0.156	0.881	0.038
	SD	56.1	0.070	0.024	0.084	0.014
	N	20	20	20	20	20
B2M	Mean	466.4	0.327 ^A	0.155	0.870	0.035
	SD	45.6	0.072	0.024	0.110	0.015
	N	20	20	20	20	20
B5M	Mean	435.2 ^A	0.324	0.159	0.920 ^a	0.036
	SD	51.7	0.051	0.019	0.110	0.013
	N	19	19	19	19	19
E0.2M	Mean	475.1	0.295	0.158	0.850	0.039
	SD	60.5	0.044	0.024	0.177	0.016
	N	20	20	20	20	20
E2M	Mean	453.0	0.305	0.158	0.918 ^a	0.039
	SD	50.3	0.058	0.015	0.125	0.013
	N	20	20	20	20	20
E5M	Mean	446.5	0.315	0.155	0.880	0.043
	SD	52.0	0.054	0.020	0.222	0.012
	N	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 32. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Terminal Body Weight		Adrenal Glands			
			Brain	Heart	Kidneys	Liver
CF	Mean	266.3	0.021	0.743	0.323	0.583
	SD	30.5	0.005	0.083	0.032	0.058
	N	20	20	20	20	20
B0.2F	Mean	249.1	0.022	0.785	0.336	0.621
	SD	25.9	0.005	0.082	0.036	0.055
	N	20	20	20	20	20
B2F	Mean	241.5 ^A	0.025	0.810 ^A	0.347	0.632 ^A
	SD	22.3	0.004	0.058	0.031	0.038
	N	20	20	20	20	20
B5F	Mean	214.2 ^A	0.024	0.892 ^A	0.331	0.626 ^A
	SD	23.4	0.004	0.073	0.023	0.047
	N	19	19	19	19	19
E0.2F	Mean	262.0	0.022	0.735 ^B	0.321	0.615
	SD	24.5	0.004	0.071	0.028	0.058
	N	20	20	20	20	20
E2F	Mean	243.7 ^A	0.024	0.813 ^A	0.336	0.626 ^A
	SD	26.3	0.005	0.072	0.028	0.045
	N	20	20	20	20	20
E5F	Mean	220.3 ^A	0.025	0.877 ^A	0.341	0.628 ^A
	SD	19.7	0.005	0.067	0.025	0.047
	N	18	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 32. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Terminal Body Weight		Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
	Mean	SD					
CF	Mean	266.3	1.012	0.035	0.007	0.200	0.189
	SD	30.5	0.225	0.027	0.001	0.029	0.020
	N	20	20	20	20	20	20
B0.2F	Mean	249.1	0.928	0.030	0.008	0.216	0.197
	SD	25.9	0.199	0.010	0.001	0.030	0.020
	N	20	20	20	20	20	20
B2F	Mean	241.5 ^A	1.088	0.028	0.008 ^a	0.238 ^A	0.207 ^a
	SD	22.3	0.271	0.012	0.002	0.033	0.029
	N	20	20	20	20	20	20
B5F	Mean	214.2 ^A	1.086	0.027	0.007	0.236 ^A	0.206 ^a
	SD	23.4	0.176	0.008	0.001	0.024	0.022
	N	19	19	19	19	19	19
E0.2F	Mean	262.0	0.967	0.034	0.007	0.203	0.199
	SD	24.5	0.212	0.040	0.001	0.022	0.038
	N	20	20	20	20	20	20
E2F	Mean	243.7 ^A	1.036	0.033	0.007	0.231 ^A	0.211 ^a
	SD	26.3	0.252	0.018	0.001	0.029	0.026
	N	20	20	20	20	20	20
E5F	Mean	220.3 ^A	1.095	0.031	0.008 ^a	0.240 ^A	0.203
	SD	19.7	0.228	0.015	0.002	0.020	0.026
	N	18	18	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 32. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Terminal Body Weight	Thymus	Thyroid Glands	Uterus
CF	Mean	266.3	0.065	0.322
	SD	30.5	0.018	0.070
	N	20	20	20
B0.2F	Mean	249.1	0.071	0.430 ^a
	SD	25.9	0.015	0.189
	N	20	20	20
B2F	Mean	241.5 ^A	0.078	0.454 ^a
	SD	22.3	0.026	0.115
	N	20	20	20
B5F	Mean	214.2 ^A	0.067	0.420 ^a
	SD	23.4	0.014	0.128
	N	19	19	19
E0.2F	Mean	262.0	0.065	0.346
	SD	24.5	0.017	0.105
	N	20	20	20
E2F	Mean	243.7 ^A	0.075	0.486 ^a
	SD	26.3	0.018	0.310
	N	20	20	20
E5F	Mean	220.3 ^A	0.064	0.634
	SD	19.7	0.017	0.863
	N	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 33. Statistical Summary for Organ-to-Body Weight Data

Parameter	Group	% Change from Control
Brain	B5M	11.8
	B2F	9.0
	B5F	20.1
	E2F	9.4
	E5F	18.0
Heart	B2M	6.2
	B5M	10.7
	E2M	5.8
	E5M	7.0
Kidney	B5M	11.0
	E2M	9.3
	E5M	11.2
	B2F	8.4
	B5F	7.4
	E2F	7.4
Liver	E5F	7.7
	B5M	6.4
	E0.2M	8.4
	E2M	6.6
	E5M	6.5
	B5F	8.3
Pituitary	E5F	10.5
	B0.2M	50.0
	E5M	50.0
	B2F	14.3
	E5F	14.3

Table 33. Statistical Summary for Organ-to-Body Weight Data

Parameter	Group	% Change from Control
Prostate	B2M	21.1
	B5M	26.3
	E0.2M	15.9
Salivary gland	B2M	10.7
	B5M	17.4
	E5M	11.4
	B2F	19.0
	B5F	18.0
Spleen	E2F	15.5
	E5F	20.0
	B2F	9.5
	B5F	9.0
Seminal Vesicles	E2F	11.6
	B2M	18.5
Testes	B5M	14.7
	E2M	14.5
Uterus	B0.2F	33.5
	B2F	41.0
	B5F	30.4
	E2F	50.9

Table 34. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Absolute Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
	Mean	2.114	2.30	66.943	55.56	105.96
CM	SD	0.062	0.37	12.914	5.39	13.77
	N	20	20	20	20	20
	Mean	2.102	2.39	64.278	55.45	105.69
B0.2M	SD	0.099	0.37	6.836	5.64	10.44
	N	20	20	20	20	20
	Mean	2.171	2.34	61.152	55.53	102.92
B2M	SD	0.101	0.32	4.466	6.25	12.29
	N	20	20	20	20	20
	Mean	2.124	2.31	63.830	54.75	105.19
B5M	SD	0.111	0.25	6.790	4.80	12.40
	N	19	19	19	19	19
	Mean	2.105	2.35	64.778	56.39	110.36
E0.2M	SD	0.107	0.36	8.823	7.76	14.62
	N	20	20	20	20	20
	Mean	2.087 ^B	2.41	67.752 ^B	55.75	109.70
E2M	SD	0.086	0.32	6.135	5.55	12.02
	N	20	20	20	20	20
	Mean	2.118	2.13	61.720	54.69	108.24
E5M	SD	0.102	0.41	10.925	5.40	9.79
	N	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 34. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Absolute Brain Weight	Lungs	Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
CM	Mean	2.114	158.60	0.54	56.91	33.95
	SD	0.062	27.95	0.12	9.06	3.59
	N	20	20	20	20	20
B0.2M	Mean	2.102	153.42	0.62	64.89	32.96
	SD	0.099	34.72	0.09	17.71	3.23
	N	20	20	20	20	20
B2M	Mean	2.171	145.02	0.56	64.60	35.12
	SD	0.101	27.33	0.11	18.24	3.29
	N	20	20	20	20	20
B5M	Mean	2.124	160.68	0.54	63.79	35.44
	SD	0.111	30.41	0.11	16.15	4.20
	N	19	19	19	19	19
E0.2M	Mean	2.105	153.78	0.61	65.26 ^a	33.72
	SD	0.107	41.33	0.13	14.01	3.89
	N	20	20	20	20	20
E2M	Mean	2.087 ^B	170.58 ^B	0.56	58.67	33.87
	SD	0.086	30.10	0.09	10.93	4.17
	N	20	20	20	20	20
E5M	Mean	2.118	158.54	0.59	60.47	34.79
	SD	0.102	22.30	0.09	16.92	3.12
	N	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 34. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Absolute Brain Weight	Spleen	Testes	Thymus	Thyroid Glands
CM	Mean	2.114	35.85	182.37	7.52
	SD	0.062	5.44	33.84	3.31
	N	20	20	20	20
B0.2M	Mean	2.102	34.82	196.44	8.59
	SD	0.099	5.75	15.81	3.20
	N	20	20	20	20
B2M	Mean	2.171	33.09	186.17	7.48
	SD	0.101	4.32	22.19	3.64
	N	20	20	20	20
B5M	Mean	2.124	32.37	187.32	7.38
	SD	0.111	4.11	20.60	2.86
	N	19	19	19	19
E0.2M	Mean	2.105	35.61	190.31	8.73
	SD	0.107	6.85	38.09	3.48
	N	20	20	20	20
E2M	Mean	2.087 ^B	34.23	197.59	8.50
	SD	0.086	4.17	19.87	2.79
	N	20	20	20	20
E5M	Mean	2.118	32.54	183.33	8.96
	SD	0.102	3.72	44.87	2.67
	N	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CM vs. B0.2M, B2M, B5M, E0.2M, E2M, E5M.

B = Corresponding blend vs. extract dose groups (B0.2M vs. E0.2M, B2M vs. E2M, and B5M vs. E5M).

Table 35. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Absolute Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
	Mean	2.85	43.70	79.03	305.03	136.31
CF	SD	0.55	4.12	8.18	35.69	25.58
	N	20	20	20	20	20
	Mean	1.938	2.84	42.97	79.36	304.67
B0.2F	SD	0.090	0.53	4.59	6.24	36.66
	N	20	20	20	20	20
	Mean	1.945	3.05	42.91	78.36	293.24
B2F	SD	0.100	0.54	3.61	6.45	33.88
	N	20	20	20	20	20
	Mean	1.896	2.65	37.24 ^A	70.49 ^A	273.99 ^A
B5F	SD	0.083	0.44	3.29	7.20	29.81
	N	19	19	19	19	19
	Mean	1.911	3.00	43.76	83.78 ^B	315.77
E0.2F	SD	0.090	0.55	3.00	5.38	27.19
	N	20	20	20	20	20
	Mean	1.965	2.96	41.41	77.41	290.00
E2F	SD	0.083	0.48	3.25	6.65	25.14
	N	20	20	20	20	20
	Mean	1.922	2.82	38.99 ^A	72.03 ^A	284.04
E5F	SD	0.088	0.63	2.95	7.82	27.92
	N	18	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 35. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Absolute Brain Weight	Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus
CF	Mean	1.955	4.78	0.94	26.92	25.84
	SD	0.106	3.76	0.17	2.15	3.97
	N	20	20	20	20	20
B0.2F	Mean	1.938	3.82	0.96	27.59	25.27
	SD	0.090	1.38	0.16	3.04	2.60
	N	20	20	20	20	20
B2F	Mean	1.945	3.45	0.99	29.56 ^A	25.63
	SD	0.100	1.43	0.22	4.46	3.65
	N	20	20	20	20	20
B5F	Mean	1.896	3.12	0.82	26.52	23.27
	SD	0.083	1.06	0.14	3.00	3.08
	N	19	19	19	19	19
E0.2F	Mean	1.911	4.71	0.99	27.76	27.07
	SD	0.090	5.52	0.18	2.98	4.92
	N	20	20	20	20	20
E2F	Mean	1.965	4.09	0.89	28.43	26.07
	SD	0.083	2.39	0.15	3.19	3.33
	N	20	20	20	20	20
E5F	Mean	1.922	3.60	0.96 ^B	27.47	23.30
	SD	0.088	1.98	0.23	2.51	3.79
	N	18	18	18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 35. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Absolute Brain Weight	Thyroid Glands	Uterus
CF	Mean 1.955	1.59	43.38
	SD 0.106	0.30	9.09
	N 20	20	20
B0.2F	Mean 1.938	1.59	54.51
	SD 0.090	0.28	23.61
	N 20	20	20
B2F	Mean 1.945	1.50	56.15 ^a
	SD 0.100	0.30	14.11
	N 20	20	20
B5F	Mean 1.896	1.31 ^a	47.14
	SD 0.083	0.25	14.80
	N 19	19	19
E0.2F	Mean 1.911	1.59	46.90
	SD 0.090	0.29	12.39
	N 20	20	20
E2F	Mean 1.965	1.54	59.89
	SD 0.083	0.75	37.18
	N 20	20	20
E5F	Mean 1.922	1.47	75.97
	SD 0.088	0.25	114.28
	N 18	18	18

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t-test.

A = CF vs. B0.2F, B2F, B5F, E0.2F, E2F, E5F.

B = Corresponding blend vs. extract dose groups (B0.2F vs. E0.2F, B2F vs. E2F, and B5F vs. E5F).

Table 36. Statistical Summary for Organ-to-Brain Weight Data

Parameter	Group	% Change from Control
Prostate	E0.2M	14.7
Thyroid gland	B5M	-15.7
	B5F	-17.6
Heart	B5F	-14.8
	E5F	-10.8
Kidney	B5F	-10.8
	E5F	-8.9
Liver	B5F	-10.2
Salivary gland	B2F	9.8
Uterus	B2F	29.4

Table 37. Organ Weight Data Summary – Tobacco Blend versus Tobacco Extract Comparisons

Parameter	Group	% Change from Tobacco Blend
Absolute Organ Weight		
Brain	E2M	-3.9
Epididymides	E2M	6.4
Lungs	E2M	13.0
Pituitary gland	E5F	12.5
Salivary gland	E2M	-7.2
Thyroid gland	E5F	12.0
Organ-to-Body Weight		
Epididymides	E2M	9.8
Kidneys	E2M	5.6
Brain	E0.2F	-6.4
Organ-to-Brain Weight		
Epididymides	E2M	10.8
Lungs	E2M	17.6

Table 38. Incidence Summary of all Microscopic Observations, All Necropsies

Tissue/Observation	Group:	Number Observed Per Group					
		Males	Females	CM	B5M	E5M	CF
Tissue/Observation	Group:	CM	B5M	E5M	CF	B5F	E5F
Heart	Number Examined:	20	20	20	20	20	20
Cardiomyopathy		5	4	2	1	0	2
Ileum	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Jejunum	Number Examined:	20	20	20	20	20	20
Inflammation		0	0	1	0	0	0
Ulcer		0	0	1	0	0	0
Kidney	Number Examined:	20	20	20	20	20	20
Hydronephrosis		1	1	0	0	0	0
Nephropathy		2	3	4	2	0	1
Liver	Number Examined:	20	20	20	20	20	20
B-Adenoma, Biliary		0	0	0	1	0	0
Focus, Basophilic Cell		0	0	0	0	0	2
Focus, Clear Cell		0	1	0	0	0	0
Focus, Mixed Cell		0	0	0	0	0	1
Hyperplasia, Bile Duct		2	1	1	0	0	1
Inflammation		0	0	1	1	0	1
Lung	Number Examined:	20	20	20	20	20	20
Alveolar Macrophages, Increased		5	2	2	1	2	6
Inflammation		1	0	0	2	1	0
Lymph Node, Mesenteric	Number Examined:	20	20	20	20	20	20
M-Hemangiosarcoma		0	0	1	0	0	0
Mammary Gland	Number Examined:	19	19	15	20	20	20
B-Adenoma		0	0	0	0	1	1
Hyperplasia		0	0	0	0	0	0
Nose/Turbinates	Number Examined:	20	20	20	20	20	20
Inflammation		1	0	0	0	0	0

Table 38. Incidence Summary of all Microscopic Observations, All Necropsies

Tissue/Observation	Group:	Number Observed Per Group					
		Males	Females	CM	B5M	E5M	CF
Tissue/Observation	Group:	CM	B5M	E5M	CF	B5F	E5F
Oral Mucosa	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Ovary	Number Examined:	-	-	-	20	20	20
Cyst(s)		-	-	-	2	2	2
Pancreas	Number Examined:	20	20	20	20	20	20
Atrophy, Acinar Cell		0	1	1	1	1	0
Parathyroid	Number Examined:	15	11	14	18	16	16
No Remarkable Observations							
Pharynx	Number Examined:	20	19	20	20	20	20
No Remarkable Observations							
Pituitary Gland	Number Examined:	20	20	20	20	20	20
B-Adenoma, Pars Distalis		0	0	0	0	1	0
Hyperplasia, Pars Distalis		1	2	1	1	2	2
Preputial Gland	Number Examined:	20	20	20	-	-	-
Inflammation		0	0	1	-	-	-
Prostate	Number Examined:	20	20	20	-	-	-
No Remarkable Observations							
Rectum	Number Examined:	20	20	20	20	20	20
Metazoan Parasites		0	0	0	1	0	0
Salivary Gland	Number Examined:	20	19	20	20	20	20
Atrophy		0	0	0	1	0	0
Inflammation		0	0	0	1	0	0
Sciatic Nerve	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Seminal Vesicle	Number Examined:	20	20	20	-	-	-
No Remarkable Observations							
Skeletal Muscle	Number Examined:	20	20	20	20	20	20
M-Malignant Schwannoma		0	1	0	0	0	0

Table 38. Incidence Summary of all Microscopic Observations, All Necropsies

Tissue/Observation	Group:	Number Observed Per Group					
		Males			Females		
		CM	B5M	E5M	CF	B5F	E5F
Skin	Number Examined:	20	20	20	20	20	20
B-Adenoma, Sebaceous Gland		0	0	0	0	1	0
Epidermal Ulceration		0	0	1	0	0	0
M-Carcinoma, Sebaceous Gland		1	0	0	0	0	0
Spinal Cord	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Spleen	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Sternum	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Stomach	Number Examined:	20	20	20	20	20	20
Mucosal Cyst, Non-Glandular Stomach		0	0	0	1	0	0
Testis	Number Examined:	20	20	20	-	-	-
Atrophy, Bilateral		1	0	3	-	-	-
Atrophy, Unilateral		0	1	0	-	-	-
Thymus	Number Examined:	20	19	20	20	20	20
No Remarkable Observations							
Thyroid Gland	Number Examined:	20	19	20	20	20	20
Hyperplasia, C-Cell		0	0	0	0	1	0
Hyperplasia, Follicular Cell		0	0	0	1	0	0
Tongue	Number Examined:	20	19	20	20	20	20
Inflammation, Chronic		0	0	0	1	0	0
Trachea	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Urinary Bladder	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							

Table 38. Incidence Summary of all Microscopic Observations, All Necropsies

Tissue/Observation	Group:	Number Observed Per Group					
		Males			Females		
		CM	B5M	E5M	CF	B5F	E5F
Uterus	Number Examined:	-	-	-	20	20	20
Endometrial Hyperplasia, Cystic		-	-	-	2	3	2
M-Stromal Sarcoma		-	-	-	0	0	2
Stromal Polyp		-	-	-	1	0	1
Vagina	Number Examined:	-	-	-	20	20	20
Prolapse		-	-	-	0	0	1
Zymbal's Gland	Number Examined:	20	19	19	20	20	20
No Remarkable Observations							

- = Not applicable.

Table 39. Incidence Summary of Microscopic Non-Neoplastic Graded Observations with Average Severity, All Necropsies

Tissue/Observation	Group:	Number Observed Per Group					
		Males	Females	CM	B5M	E5M	CF
Tissue/Observation	Group:	CM	B5M	E5M	CF	B5F	E5F
Adrenal Gland	Number Examined:	20	20	20	20	20	20
Angiectasis, Cortex		0	0	0	2	0	0
	Average Severity:	0.0	0.0	0.0	0.2	0.0	0.0
Hyperplasia, Cortex		1	1	0	0	0	0
	Average Severity:	0.1	0.1	0.0	0.0	0.0	0.0
Hypertrophy, Cortex		0	3	2	0	0	0
	Average Severity:	0.0	0.2	0.1	0.0	0.0	0.0
Bone	Number Examined:	0	1	0	0	0	0
Hemorrhage		-	1	-	-	-	-
	Average Severity:	-	2.0	-	-	-	-
Bone Marrow	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Brain	Number Examined:	20	20	20	20	20	20
Hemorrhage		0	1	0	0	0	0
	Average Severity:	0.0	0.1	0.0	0.0	0.0	0.0
Cecum	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Clitoral Gland	Number Examined:	-	-	-	20	20	20
No Remarkable Observations							
Colon	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Duodenum	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Epididymis	Number Examined:	20	20	20	-	-	-
No Remarkable Observations							
Esophagus	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							

Table 39. Incidence Summary of Microscopic Non-Neoplastic Graded Observations with Average Severity, All Necropsies

Tissue/Observation	Group:	Number Observed Per Group					
		Males			Females		
		CM	B5M	E5M	CF	B5F	E5F
Eye	Number Examined:	20	20	20	20	20	20
	No Remarkable Observations						
Femur	Number Examined:	20	20	20	20	20	20
	No Remarkable Observations						
Harderian Gland	Number Examined:	20	20	20	20	20	20
	No Remarkable Observations						
Heart	Number Examined:	20	20	20	20	20	20
Cardiomyopathy		5	4	2	1	0	2
	Average Severity:	0.3	0.2	0.1	0.1	0.0	0.1
Ileum	Number Examined:	20	20	20	20	20	20
	No Remarkable Observations						
Jejunum	Number Examined:	20	20	20	20	20	20
Inflammation		0	0	1	0	0	0
	Average Severity:	0.0	0.0	0.2	0.0	0.0	0.0
Ulcer		0	0	1	0	0	0
	Average Severity:	0.0	0.0	0.2	0.0	0.0	0.0
Kidney	Number Examined:	20	20	20	20	20	20
Hydronephrosis		1	1	0	0	0	0
	Average Severity:	0.1	0.1	0.0	0.0	0.0	0.0
Nephropathy		2	3	4	2	0	1
	Average Severity:	0.1	0.2	0.3	0.1	0.0	0.1
Liver	Number Examined:	20	20	20	20	20	20
Hyperplasia, Bile Duct		2	1	1	0	0	1
	Average Severity:	0.1	0.1	0.1	0.0	0.0	0.1
Inflammation		0	0	1	1	0	1
	Average Severity:	0.0	0.0	0.1	0.1	0.0	0.1

Table 39. Incidence Summary of Microscopic Non-Neoplastic Graded Observations with Average Severity, All Necropsies

Tissue/Observation	Group:	Number Observed Per Group					
		Males	Females	CM	B5M	E5M	CF
Tissue/Observation	Group:	CM	B5M	E5M	CF	B5F	E5F
Lung	Number Examined:	20	20	20	20	20	20
	Alveolar Macrophages, Increased	5	2	2	1	2	6
	Average Severity:	0.3	0.1	0.1	0.1	0.1	0.3
Inflammation		1	0	0	2	1	0
	Average Severity:	0.1	0.0	0.0	0.1	0.1	0.0
Lymph Node, Mesenteric	Number Examined:	20	20	20	20	20	20
	No Remarkable Observations						
Mammary Gland	Number Examined:	19	19	15	20	20	20
	Hyperplasia	0	0	0	0	0	0
	Average Severity:	0.0	0.0	0.0	0.0	0.0	0.0
Nose/Turbinates	Number Examined:	20	20	20	20	20	20
	Inflammation	1	0	0	0	0	0
	Average Severity:	0.1	0.0	0.0	0.0	0.0	0.0
Oral Mucosa	Number Examined:	20	20	20	20	20	20
	No Remarkable Observations						
Ovary	Number Examined:	-	-	-	20	20	20
	No Remarkable Observations						
Pancreas	Number Examined:	20	20	20	20	20	20
	Atrophy, Acinar Cell	0	1	1	1	1	0
	Average Severity:	0.0	0.1	0.1	0.1	0.1	0.0
Parathyroid	Number Examined:	15	11	14	18	16	16
	No Remarkable Observations						
Pharynx	Number Examined:	20	19	20	20	20	20
	No Remarkable Observations						
Pituitary Gland	Number Examined:	20	20	20	20	20	20
	Hyperplasia, Pars Distalis	1	2	1	1	2	2
	Average Severity:	0.1	0.2	0.1	0.1	0.2	0.2

Table 39. Incidence Summary of Microscopic Non-Neoplastic Graded Observations with Average Severity, All Necropsies

Tissue/Observation	Group:	Number Observed Per Group					
		Males	Females	CM	B5M	E5M	CF
Tissue/Observation	Group:	CM	B5M	E5M	CF	B5F	E5F
Preputial Gland	Number Examined:	20	20	20	-	-	-
Inflammation		0	0	1	-	-	-
	Average Severity:	0.0	0.0	0.1	-	-	-
Prostate	Number Examined:	20	20	20	-	-	-
No Remarkable Observations							
Rectum	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Salivary Gland	Number Examined:	20	20	20	20	20	20
Atrophy		0	0	0	1	0	0
	Average Severity:	0.0	0.0	0.0	0.1	0.0	0.0
Inflammation		0	0	0	1	0	0
	Average Severity:	0.0	0.0	0.0	0.1	0.0	0.0
Sciatic Nerve	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Seminal Vesicle	Number Examined:	20	20	20	-	-	-
No Remarkable Observations							
Skeletal Muscle	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Skin	Number Examined:	20	20	20	20	20	20
Epidermal Ulceration		0	0	1	0	0	0
	Average Severity:	0.0	0.0	0.2	0.0	0.0	0.0
Spinal Cord	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Spleen	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Sternum	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							

Table 39. Incidence Summary of Microscopic Non-Neoplastic Graded Observations with Average Severity, All Necropsies

Tissue/Observation	Group:	Number Observed Per Group					
		Males	CM	B5M	E5M	Females	CF
Stomach	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Testis	Number Examined:	20	20	20	-	-	-
Atrophy, Bilateral		1	0	3	-	-	-
Average Severity:		0.2	0.0	0.4	-	-	-
Atrophy, Unilateral		0	1	0	-	-	-
Average Severity:		0.0	0.2	0.0	-	-	-
Thymus	Number Examined:	20	19	20	20	20	20
No Remarkable Observations							
Thyroid Gland	Number Examined:	20	19	20	20	20	20
Hyperplasia, C-Cell		0	0	0	0	1	0
Average Severity:		0.0	0.0	0.0	0.0	0.1	0.0
Hyperplasia, Follicular Cell		0	0	0	1	0	0
Average Severity:		0.0	0.0	0.0	0.1	0.0	0.0
Tongue	Number Examined:	20	19	20	20	20	20
Inflammation, Chronic		0	0	0	1	0	0
Average Severity:		0.0	0.0	0.0	0.1	0.0	0.0
Trachea	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Urinary Bladder	Number Examined:	20	20	20	20	20	20
No Remarkable Observations							
Uterus	Number Examined:	-	-	-	20	20	20
Endometrial Hyperplasia, Cystic		-	-	-	2	3	2
Average Severity:		-	-	-	0.2	0.3	0.4
Vagina	Number Examined:	-	-	-	20	20	20
No Remarkable Observations							
Zymbal's Gland	Number Examined:	20	19	19	20	20	20
No Remarkable Observations							

- = Not applicable.

APPENDIX A: PROTOCOL, AMENDMENTS, AND DEVIATIONS

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Battelle Study Number CN49730G

Preparation Date: February 12, 2009

STUDY PROTOCOL

2-YEAR CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TOBACCO BLEND AND AQUEOUS TOBACCO EXTRACT IN WISTAR HAN RATS

**TESTING FACILITY:
BATTELLE COLUMBUS
505 KING AVENUE
COLUMBUS, OH 43201**

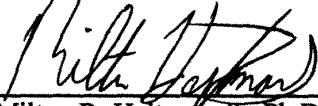
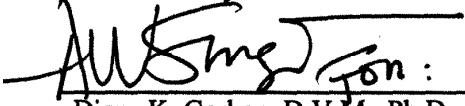
**SPONSOR:
R.J. REYNOLDS TOBACCO COMPANY
RESEARCH AND DEVELOPMENT
BOWMAN GRAY TECHNICAL CENTER
WINSTON-SALEM, NC 27102**

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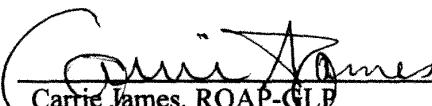
Battelle Study Number CN49730G
Preparation Date: February 12, 2009

This protocol was approved by the Sponsor Study Monitor on 2/12/09

Date / Initials

APPROVED, BATTELLE:
Milton R. Hejtmancik, Ph.D., D.A.B.T.
Study Director2/12/09
Date
Diane K. Gerken, D.V.M., Ph.D., D.A.B.V.T., D.A.B.T.
Toxicology Columbus Manager2-12-09
Date

The protocol for the study, data, study conduct and the final report will be reviewed by Battelle's Quality Assurance Unit based upon current assurance principles and Good Laboratory Practices.

REVIEWED, BATTELLE:
Carrie James, RQAP-GLP
Quality Assurance Officer2/12/09
Date**APPROVED, SPONSOR:**
Suzana Theophilus, Ph.D., D.A.B.T.
Senior Staff Toxicologist2/13/09
Date

To the best of our knowledge, this study does not unnecessarily duplicate any previous experiments.

1.0 PURPOSE

The purpose of this study is to compare toxicity of a tobacco blend, aqueous tobacco extract, and appropriate controls in rodents (diet negative control). The study will also include the determination of plasma concentrations of nicotine and cotinine under various conditions of test article exposure.

2.0 REGULATORY COMPLIANCE

This study will be conducted in compliance with the current version of the United States Food and Drug Administration's (FDA) Good Laboratory Practice (GLP) Regulations, 21 CFR Part 58, for the conduct of nonclinical laboratory studies. This protocol will be listed in the Battelle total list of studies as "FDA GLP (non-regulated)."

All portions of this study to be performed at Battelle will adhere to the study protocol and any amendments, as well as to applicable Battelle facility Standard Operating Procedures (SOPs).

Portions of this study performed by the Sponsor or Sponsor's designee will be conducted according to SOPs of the performing laboratory. The conduct of such portions will be conducted in compliance with the current version of the United States Food and Drug Administration's (FDA) Good Laboratory Practice (GLP) Regulations, 21 CFR Part 58 for the conduct of nonclinical laboratory studies. The analytical portion of serology testing will be conducted under non-GLP regulatory guidelines.

3.0 ROUTE AND DURATION OF ADMINISTRATION

The test articles will be administered orally in the feed. This route of administration is chosen based upon human exposure via the oral route. The toxicity phase of the study will consist of an interim time point (12 months) in which rats will be fed their respective diets for a minimum of 1 year (52 weeks). Animals in the carcinogenicity phase will be fed their respective diets for a minimum of 2 years (104 weeks).

4.0 TESTING FACILITY**4.1 Testing Facility**

Battelle Columbus
505 King Avenue
Columbus, Ohio 43201-2693

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Preparation Date: February 12, 2009

(Amended 4/10³)**4.2 Study Director**

[~~Milton R. Hejmancik, Ph.D., D.A.B.T.~~
~~Tel: 614-424-4465~~
~~Fax: 614-424-3171~~
~~E-mail: hejman@battelle.org~~

Dawn M. Fallacara, Ph.D.
Tel: 614-424-4591
Fax: 614-424-3171
Email: fallacarad@battelle.org]³

5.0 SPONSOR AND STUDY MONITOR**5.1 Sponsor:**

R.J. Reynolds Tobacco Company
Research and Development
Bowman Gray Technical Center
Winston-Salem, NC 27102

5.2 Sponsor's Study Monitor

Suzana Theophilus, Ph.D., D.A.B.T
R.J. Reynolds Tobacco Company
Research and Development
Bowman Gray Technical Center
Winston-Salem, NC 27102
Tel: 336-741-1536
E-mail: theophe@rjrt.com

6.0 PROPOSED STUDY SCHEDULE

Proposed dates for the following study events are listed below. The actual dates will be documented in the study file.

Animal Receipt:	February 17, 2009
Animal Quarantine:	February 17, 2009 – February 24, 2009
First Day of Dosing:	March 3, 2009 (M) and March 4, 2009 (F)
Last Day of Dosing:	
12-Month Toxicity Study:	March 1, 2010
24-Month Carcinogenicity Study:	February 28, 2011
Scheduled Necropsies:	
12-Month Toxicity Study:	March 2-5, 2010
24-Month Carcinogenicity Study:	March 1-18, 2011
Draft Final Reports:	
12-Month Toxicity Study:	September 20, 2010
24-Month Carcinogenicity Study:	September 19, 2011

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Preparation Date: February 12, 2009
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Data Submission:
12-Month Interim Data Set
(including all histopathology) April 30, 2010

TK Plasma Collections:

Week [4 5] ¹ :	March 31-April 1, 2009
Week [13 14] ¹ :	June 2-3, 2009
Week 31:	September 29-30, 2009
Week 49:	February 2-3, 2010
Week 66:	June [4-2 2-3] ⁴ , 2010
Week 83:	September 28-29, 2010
Week 101:	February 1-2, 2011

7.0 TEST SYSTEM

Species:	Rat
Strain:	Wistar Hanover
Source:	Charles River
Anticipated Body Weight Range at Randomization:	50-200 g
Anticipated Age Range at Arrival:	4-5 weeks
Number of Rats Required for Study:	1440 rats (720/sex), including sentinels. A sufficient number of extra rats will be ordered to provide the required number of rats for the study.

7.1 Test System Justification

The rat is an accepted rodent species for inclusion in toxicology studies of test articles which are intended for human use. At this time, studies in laboratory animals are required to support regulatory submissions. The number of rats is considered to be the minimum number necessary to yield meaningful results.

8.0 ANIMAL CARE, HOUSING, AND ENVIRONMENTAL CONDITIONS

General procedures for animal care and housing will meet or exceed current AAALAC recommendations, current requirements stated in the "Guide for Care and Use of Laboratory Animals" (National Research Council, 1996), and will conform to the Testing Facility Standard Operating Procedures (SOPs). The protocol will be reviewed and approved by Battelle's Institutional Animal Care and Use Committee (IACUC) and will be reviewed by the Sponsor's IACUC, and Battelle will respond to any written comments and/or questions from the Sponsor's IACUC regarding the protocol.

8.1 Quarantine and Acclimation

Rats will be quarantined and acclimated for not less than 7 days in accordance with facility SOP.

8.2 Animal Housing

All animal housing and environmental conditions will follow facility SOPs. Male rats will be housed up to two per cage and female rats will be housed up to three per cage in polycarbonate cages appropriate for the animals and the study. Sentinel rats for serological monitoring will be housed in the same room as the study rats.

8.3 Feed

Rats will be fed powdered NTP-2000 rodent diet *ad libitum*, according to facility SOP, except when fasted prior to scheduled necropsy. The control group will be fed the diet without test article. Analytical reports of each feed lot will be provided by the manufacturer. Analytical reports will be reviewed according to facility SOP to ensure acceptable standards, and freedom from levels of contaminants that may interfere with the purpose or conduct of the study. Copies of the analytical results will be retained in the study file.

8.4 Water

Fresh water from the Columbus municipal water supply will be provided *ad libitum* to the rats by an automatic watering system. The water supply will be analyzed within 6 months from the start of the study to ensure acceptable standards, and freedom from levels of contaminants that may interfere with the purpose or conduct of the study. A copy of the analytical results will be retained in the study file.

9.0 TEST ARTICLE

Records of receipt and use of the test article will be maintained.

9.1 Test Articles**9.1.1 Tobacco Blend**

Description: Natural tobacco blend containing no additives

Supplier: R.J. Reynolds Tobacco Company

Characterization: A Certificate of Analysis (CoA) and/or equivalent documentation of test article identity, strength, purity, composition and other defining characteristics was provided by the Sponsor. Documentation of production will be maintained by the Sponsor. Lot number(s) and

expiration date(s), if any, will be included in the final report and study files.

- Stability: Test article stability was provided by the Sponsor for inclusion in the final report.
- Storage Conditions: Suitable quantities of the test article were provided by the Sponsor in plastic buckets. The test article will be stored frozen (-30 to -15°C). Any test article from a single-use container that is not used for the formulation task for which it was aliquoted will be saved for emergency use only.

9.1.2 Aqueous Tobacco Extract

- Description: Water extraction of tobacco test article
- Supplier: R.J. Reynolds Tobacco Company
- Characterization: A Certificate of Analysis (CoA) and/or equivalent documentation of test article identity, strength, purity, composition and other defining characteristics was provided by the Sponsor. Documentation of production will be maintained by the Sponsor. Lot number(s) and expiration date(s) will be included in the final report.
- Stability: Test article stability was provided by the Sponsor for inclusion in the final report.
- Storage Conditions: Suitable quantities of the test article were provided by the Sponsor in plastic buckets. The test article will be stored frozen (-30 to -15°C). Any test article from a single-use container that is not used for the formulation task for which it was aliquoted will be saved for emergency use only.

9.2 Reserve Samples

Archival samples (~100 g) of each set of the tobacco blend and aqueous tobacco extract were collected under design form CN49730 A-TASTAB. Reserve samples of the tobacco blend and tobacco extract will be maintained frozen (-30 to -15°C) until submission of the chronic study final report. At that time, reserve samples will be shipped to R.J. Reynolds Tobacco Company upon authorization by the Study Director. Samples will be shipped overnight on dry ice to:

R.J. Reynolds Tobacco Company
Research and Development
Bowman Gray Technical Center
Winston Salem, NC 27102

The Study Monitor will be notified of the date of shipment.

9.2.1 Disposition of Unused and Residual Test Articles

Following the completion of in-life dosing, the Sponsor will provide the laboratory authorization to either dispose of or directions to store unused test article for potential use in further studies. If for any reason, the subsequent studies are cancelled, the Sponsor will provide Battelle authorization to either dispose of these materials or have them returned to the Sponsor.

9.3 Formulation Preparation and Analysis

9.3.1 Formulation Preparation

Diet formulations will be prepared at approximately monthly intervals for the first three preps and bi-monthly thereafter according to a procedure developed by Battelle for this study, based on method(s) provided by the Sponsor. The concentration of test article in the feed will be based upon the anticipated food consumption in and body weight changes of Wistar Han rats to maintain a constant dose throughout the study. Exposure of the animals to the test articles will be by *ad libitum* consumption of the NTP-2000 powdered feed. Formulations will be stored at room temperature prior to use and will be appropriately discarded on or after their expiration date. Stability of formulations was conducted under design form CN49730A-FORMPRE.

9.3.2 Retention Samples

One formulation analysis sample, target 200 g, and one formulation retention sample, target 200 g, will be taken from the formulation batches prepared for each diet at each dose and will be stored at room temperature. Formulation retention samples will be retained until the analysis is complete and acceptable to the Study Director or after the dose expires, whichever occurs first.

9.3.3 Formulation Analysis

Nicotine will be used as the tracking compound for the formulation analysis. All prepared formulations will be analyzed for nicotine content. Animal room samples will be collected once on the last day of use of the first formulation preparation. Homogeneity of dose formulations will be conducted during the first formulation and during subsequent formulations as necessary according to facility SOPs.

Results of formulation analyses and an audited formulation analysis report will be included in the final report.

10.0 EXPERIMENTAL DESIGN

Doses were determined from the 28- and 90-day repeated dosing studies. One thousand, four hundred and forty (1440) rats will be assigned to 1 of 8 dose groups and 1 group of sentinels. Twenty (20) rats per sex per dose group are incorporated

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into the study to assess the potential chronic toxicity of the test articles in a 12-month chronic toxicity phase. Animals in the 12-month chronic toxicity phase will be fed their respective diets for a minimum of 1 year (52 weeks) before termination. A carcinogenicity phase of 60 rats per sex per group, including an additional independent control group (Control-B), will assess the potential carcinogenicity of the test articles. Animals assigned to the carcinogenicity phase will be fed their respective diets for a minimum of 2 years (104 weeks) before termination. A subset of 10 rats/sex are included in each dose group for plasma nicotine and cotinine analysis in which [blood plasma]¹ collection will occur from five rats per sex per group on each Tuesday and Wednesday [~~immediately following on Study~~]¹ Week[s] 4, 13, 5, 14,¹ and once every 4 months thereafter (Weeks 31, 49, 66, 83, and 101) at a single collection time point (12:00 AM target time). If possible, the same five rats per sex per group will be used for blood collection. Five extra rats per sex per group will be added as potential replacements if necessary.

Thirty rats per sex will be maintained with the study rats as sentinels for serological monitoring.

Endpoints used to evaluate the potential toxicity of tobacco blend and aqueous tobacco extract will be clinical observations, body weights and body weight changes, food consumption, ophthalmology, and clinical and anatomic pathology including organ weights and tumor endpoints. A staggered start will be used, with males starting dosing one day and the females the following day, each having a respective Day 1 of study.

The number of rats per group, and dosages are as follows:

Group	Target Dosage of Nicotine (mg/kg/day)	Number of Rats			
		Males	Core	TK ^{a,b}	Females
1 - Control-A	0	20/60	10	20/60	10
2 - Control-B ^c	0	0/60	--	0/60	--
3 - Tobacco Blend Low Dose	0.2	20/60	10	20/60	10
4 - Tobacco Blend Intermediate Dose	2	20/60	10	20/60	10
5 - Tobacco Blend High Dose	5	20/60	10	20/60	10
6 - Tobacco Extract Low Dose	0.2	20/60	10	20/60	10
7 - Tobacco Extract Intermediate Dose	2	20/60	10	20/60	10
8 - Tobacco Extract High Dose	5	20/60	10	20/60	10
9 - Sentinels	0	30	--	30	--

^a Nicotine /cotinine analysis.

^b Five extra rats have been included in each dose group for potential replacement of any animal that may die or be unsuitable for blood sampling.

^c Control-B is an independent control group that duplicates Control-A for the carcinogenicity phase of the study.

10.1 Serology

The serology screen will be conducted using 5 males and 5 females soon after arrival. These animals will be necropsied to evaluate the internal organs for any signs of

disease. Initiation of the study will be dependent on negative serology and no evidence of disease in the animals. This procedure will be repeated at approximately 1, 6, 9, and 14 months of the study, and again near or at termination of the study.

Rat serology endpoints are as follows:

Sendai virus	Mouse adenovirus (MAV) 1 & 2
Pneumonia virus of mice (PVM)	Hantaviruses (HANT)
Sialodacryoadenitis virus (SDAV)	<i>Encephalitozoon cuniculi</i> (ECUN)
Kilham rat virus (KRV)	Cilia associated respiratory bacillus (CARB)
H-1 virus (H-1)	Mouse parvovirus (MPV) or PARV NS1
GDVII (murine encephalomyelitis virus)	Rat parvovirus (RPV)
REO	Rat minute virus (RMV)
<i>Mycoplasma pulmonis</i>	
<u>Lymphocytic choriomeningitis virus (LCMV)</u>	

10.2 Assignment to Groups

Rats will be assigned to dose groups by sex and body weight prior to the initiation of dosing using PATH/TOX SYSTEM 4.2.2. (Xybion Medical Systems Corp., Cedar Knolls, NJ), which ensures similar group mean body weights by sex. Rats whose body weights are outside a suitable range based on the mean body weights of the animals will not be assigned to the study upon the judgment of the study director.

Animals whose behavior or clinical condition deviates from that typical of the species and strain will be eliminated from use on the study. After randomization, the mean body weights of each study group will not be significantly different ($p \leq 0.05$). After assignment to groups, each rat will be identified by tail tattoo with an animal identification number unique within the study. Each cage card will contain information including but not limited to study number, group assignment, and animal identification number.

Animal identification numbers will be assigned as follows:

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Group	Color Code	Males		Females	
		Core	TK	Core	TK
1 - Control-A	White	101-180	1001-1010	1101-1180	2001-2010
2 - Control-B	White	201-260	--	1201-1260	--
3 - Tobacco Blend Low Dose	Lilac/Blue	301-380	1031-1040	1301-1380	2031-2040
4 - Tobacco Blend Intermediate Dose	Lilac/Yellow	401-480	1041-1050	1401-1480	2041-2050
5 - Tobacco Blend High Dose	Lilac/Red	501-580	1051-1060	1501-1580	2051-2060
6 - Tobacco Extract Low Dose	Tan/Blue	601-680	1061-1070	1601-1680	2061-2070
7 - Tobacco Extract Intermediate Dose	Tan/Yellow	701-780	1071-1080	1701-1780	2071-2080
8 - Tobacco Extract High Dose	Tan/Red	801-880	1081-1090	1801-1880	2081-2090
9 - Sentinels	Black	901-930	--	1901-1930	--

10.3 Clinical Observations

Cage-side observations for moribundity and mortality will be performed on all rats twice daily, at least 6 hours apart, per facility SOP.

Detailed clinical examinations will be conducted on all rats, including those not subsequently assigned to study, prior to group assignment. During the in-life phase of the study, detailed clinical examinations will be conducted weekly on all surviving core study rats. A final detailed clinical examination of each core study rat will be conducted on the day of its scheduled necropsy. Clinical observations will be conducted for all core moribund animals. Clinical observations will not be conducted for TK animals.

10.4 Body Weight

Individual animal body weights will be recorded for all rats pre-study for randomization and group assignment. After initiation of dosing, body weights for all core study rats (excluding sentinels) [*and rats in the TK plasma analysis groups*]¹ will be recorded weekly for the first 13 weeks and every 4 weeks thereafter until termination. [Weekly body weights will also be recorded for animals in the TK plasma analysis groups.]¹

10.5 Food Consumption

Food consumption over an approximate 24 hour period (24 hour food consumption over a 1 week period) for core study rats will be measured weekly for 13 weeks and every 4 weeks thereafter until termination. Food consumption will not be measured on TK animals or sentinels.

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(Amended 3/09¹)

10.6 Ophthalmic Examinations

Ophthalmic examinations will be conducted on all potential core carcinogenicity animals according to facility SOP by a staff veterinarian prior to selection/group assignment. Ophthalmic exams will also be performed after 12 months and near the termination of the carcinogenicity phase for all core carcinogenicity study animals, excluding [*the Control-B group and*]¹ sentinels. A mydriatic will be used for ophthalmic exams. A copy of the ophthalmic examination findings will be included in the final report.

10.7 Toxicokinetics

Ten rats per sex are included in each dose group, excluding the Control-B group, for determinations of plasma nicotine and cotinine concentrations. Methodology for plasma nicotine and cotinine analysis were validated under design form CN49730 A-BIOVAL.

[*Blood sampling Toxicokinetic plasma collection*]¹ will occur on each Tuesday (males) and Wednesday (females) [~~immediately following on~~]¹ Weeks 5, 14, and every 4 months thereafter (Weeks 31, 49, 66, 83, and 101). Samples will be collected at a single time point (12:00 AM) for nicotine and cotinine analysis in five male and five female rats from up to seven dose groups at each of the four time periods (35 total TK samples/sex/time period). Five extra rats have been included in each dose group for potential replacement of any rat that may die or be unsuitable for blood sampling. The data from each sampling period will be used to evaluate dose proportionality and nicotine metabolism by sex and group.

Toxicokinetic study rats will be anesthetized with CO₂/O₂ and blood will be collected retro-orbitally into tubes containing potassium EDTA as the anti-coagulant. A target volume of 500 µL of blood will be collected at each time point using techniques according to facility SOPs. Samples will be placed on wet ice until centrifuged. Plasma will be transferred into appropriately labeled tubes and placed on dry ice until stored in a freezer set to maintain -60 to -80°C.

After each blood collection the animal will be placed back in its home cage and supplied with feed and water until the next scheduled blood collection. These animals will remain on the study and be used for subsequent plasma nicotine and cotinine analysis. Toxicokinetic animals will be euthanized at termination of the study with no further data collected.

Toxicokinetic parameters to be evaluated will include but may not be limited to the measured C_{max} and T_{max}. An audited toxicokinetic report and an audited bioanalytical report, together with appropriate QA documentation, will be provided to the Study Director for inclusion in the final report.

10.8 Clinical Pathology

Clinical chemistry, hematology and coagulation assessments will be performed on all surviving core study rats (excluding sentinels) on the day of their scheduled necropsy at the termination of the 12-month chronic toxicity phase. Urinalysis will be conducted for 10 surviving core study rats per sex per dose group. No clinical pathology studies will be conducted on carcinogenicity rats at the termination of the carcinogenicity phase.

All rats will be fasted overnight prior to scheduled blood sampling for hematology, coagulation, and clinical chemistry determinations. Rats will be anesthetized and blood will be collected using an appropriate method. The tubes for hematology will contain EDTA as an anticoagulant. The tubes used for clinical chemistry determinations will not contain anticoagulant, but may contain serum separator gel. Sodium citrate will be used as an anticoagulant for the coagulation assay. Minimum target volumes of blood collections for clinical chemistry, hematology and coagulation are 1.1, 0.5, and 1.3 mL, respectively. In the event that blood volumes do not meet these suggested values, clinical chemistry and coagulation parameters will be given the highest and lowest priority, respectively. Further prioritization may be assigned to clinical chemistry parameters based upon anticipated target organs (see below).

Rats will be placed into metabolism cages for urine collection. Water, but no food, will be provided to the animals. Urine will be collected overnight according to facility SOPs.

Clinical pathology results, and the clinical pathologist's report, will be included in the final report.

10.8.1 Clinical Chemistry Parameters

Clinical chemistry parameters to be evaluated are (listed in the order of priority left column top to bottom, then right column top to bottom):

Aspartate aminotransferase	Cholesterol
Bilirubin, direct	Creatinine
Bilirubin, total	Protein, total
Gamma glutamyl transferase	Urea nitrogen
Albumin	Electrolytes:
Globulin	Calcium
Albumin/globulin ratio	Chloride
Alkaline phosphatase	Phosphorus
Glucose	Potassium
Triglycerides	Sodium

10.8.2 Hematologic Parameters

Hematologic parameters to be evaluated are:

Erythrocyte count	Mean corpuscular hemoglobin concentration
Hematocrit	Mean corpuscular volume
Hemoglobin	Platelet count
Leukocyte count, total	Reticulocyte count
Leukocyte differential	
Mean corpuscular hemoglobin	

10.8.3 Coagulation Parameters

Prothrombin time will be evaluated.

10.8.4 Urinalysis

Urinalysis parameters to be evaluated are (listed in the order of priority left column top to bottom, then right column top to bottom):

Appearance	Glucose
Color	Protein
Volume	Specific gravity
pH	Microscopic examination of sediment ^a

^a Sediment will be evaluated for white blood cells, red blood cells, casts, epithelial cells, mucus, sperm, bacteria, yeast, amorphous sediment, and crystals.

10.9 Necropsy

10.9.1 Unscheduled Necropsy

Complete necropsies will be performed on all core study rats that die or are terminated at an unscheduled interval. Terminal body weights and clinical observations will be recorded for moribund core rats prior to euthanasia. Moribund core rats will be euthanized using CO₂. Organ weights will not be recorded for

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 Preparation Date: February 12, 2009
 (Amended 4/10²)

unscheduled deaths. Necropsy and clinical observations will not be conducted on sentinels and toxicokinetic rats that die or are terminated at an unscheduled interval.

10.9.2 Scheduled Necropsy

At the end of the chronic toxicity phase and the carcinogenicity phase, all surviving core animals, excluding sentinels, will be fasted overnight and humanely terminated via exsanguination (12-month toxicity study) or CO₂ (carcinogenicity study). A final clinical observation will evaluate the external features of the animal. Terminal body weights will then be determined, followed by necropsy.

All scheduled necropsies will be conducted under the supervision of a board-certified veterinary pathologist. Each necropsy will include examination of the external surface of the body and all orifices; the cranial, thoracic, abdominal and pelvic cavities and their contents; and collection of tissues.

Tissues listed below, when present, will be collected from all rats according to facility SOP. Tissues will be placed in 10% neutral buffered formalin (NBF), with the exception of testes, which will be preserved in Bouin's fixative and subsequently transferred to 70% ethanol, and eyes with optic nerve which will be fixed in Davidson's fixative and subsequently transferred to 10% NBF, per facility SOP.

Animal identification ^a	Pituitary gland
Adrenal glands	Preputial glands
Bone and marrow (femur)	Prostate gland
Brain	Salivary gland (mandibular)
Clitoral gland	Sciatic nerve
Epididymides	Seminal vesicles
Esophagus, pharynx, trachea	Skeletal muscle (biceps femoris)
Eyes	Skin
Gross lesions	Spinal cord (cervical, thoracic, lumbar)
Harderian glands	Spleen
Heart	Sternum with bone marrow
Intestine, large (cecum, colon, rectum)	Stomach (fore-stomach and glandular)
Intestine, small (duodenum, jejunum, ileum)	Testes
Kidneys	Thymus
Liver (median lobe and left lateral lobe)	Thyroid gland (with parathyroids, if present in routine section)
Lungs with bronchi	Tongue
Lymph node (mesenteric)	Urinary bladder
Mammary gland (females only)	Uterus
Nose (nasal cavity and turbinates)	Vagina
Ovaries (without oviduct)	Zymbal glands
Oral [eavity mucosa] ^b	
Pancreas	

^a Collected but not processed.

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10.10 Organ Weights

The following organs, when present, will be weighed during scheduled necropsies for the 12-month chronic toxicity phase of the study. Paired organs will be weighed together. Absolute weight, organ-to-body weight and organ-to-brain-weight will be reported. Organ weights will not be conducted on rats found dead or euthanized in moribund condition.

Adrenal glands	Thyroid/parathyroid gland ^a
Brain	Seminal vesicles ^a
Epididymides	Spleen
Heart	Ovaries (without oviduct)
Kidneys	Testes (without epididymides)
Liver	Thymus
Lungs	Salivary glands (mandibular)
Pituitary gland ^a	Uterus (with cervix)
Prostate ^[q1]	

^a Weighed after fixation.

10.11 Tissue Processing

All fixed tissues from controls (Group 1) and high dose groups (Groups 5 and 8) will be processed to slides and stained with hematoxylin and eosin according to facility SOP for histopathologic examination.

10.12 Histopathologic Evaluation

Tissue slides from scheduled necropsies of core rats in the Control-A (Group 1) and high dose groups (Group 5 for tobacco blend and Group 8 for tobacco extract) will be examined histologically by a board-certified veterinary pathologist. Tissues collected from Control-B (Group 2) will not be examined histologically unless authorized by the Sponsor. Additional groups may be included for histological examination at the discretion of the Sponsor. These additional examinations will be performed for additional cost and time, which will require modifications of the report timeline.

An internal peer review will be performed according to Battelle SOP.

Necropsy and histopathology results and the pathologist's report will be included in the final report.

11.0 COMPUTER SYSTEMS FOR DATA MANAGEMENT

The following computer systems will be used for the conduct of this study:

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Computer System Name	Version	Manufacturer	Data Type
Analyst	1.4.2	Applied Biosystems Inc.	Chromatography/ Mass Spectrometry
Atlas	8.2	Thermo Fisher Scientific	Chromatography
EMCS	3.10	Siemens	Animal Facility Environmental
Excel Building Supervisor	1.7	Honeywell	Animal Facility Environmental
PATH/TOX SYSTEM	4.2.2	Xybion Medical Systems Corporation	Animal Toxicology and Pathology
T-Track	1.0.0	Battelle	Environmental Storage

12.0 STATISTICAL ANALYSIS

All appropriate quantitative in-life, clinical pathology, and postmortem data collected at Battelle will be analyzed statistically when $n \geq 3$. All data will be analyzed for test article effects by analysis of variance. For homogeneous data, as determined by Bartlett's test for homogeneity at the 0.05 level, tests for differences between the control and comparison groups will be made using Dunnett's, LSD or Modified t-test. For non-homogeneous data, as determined by Bartlett's test for homogeneity at the 0.05 level, tests for pairwise differences between the control and each of the comparison groups will be made using Cochran and Cox's modified two-sample t-test. Statistical significance for each comparison will be reported at the 0.05 level. Comparisons will include Control-A vs. Test Articles and Blend vs. Extract. Qualitative data summaries will be provided for clinical observations.

Toxicokinetic data will be reported as individual and group mean summary graphs and tables prepared by species, sex, treatment, and time period.

PETO's tests will be used for carcinogenicity data analysis. Each tumor observed in each animal will be classified by the pathologist as either incidental, fatal, or mortality independent. Nonlethal occult tumors will be classified as incidental tumors, which do not contribute to the death of the animal. Tumors that are assumed to have caused the death of an animal will be classified as fatal tumors. Tumors present at termination, which therefore could not have been responsible for the animal's death and yet can also not be assumed to be incidental, will be classified as mortality independent tumors. When a tumor is observed in a fatal context for some animals, and an incidental context for the other animals, PETO's tests, both in

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asymptotic and exact per mutation versions, will be used to test for positive linear dose trends in tumor incidences. These tests will be also used to conduct pairwise comparisons to the vehicle control group.

13.0 REPORTING

A draft final report will be prepared and submitted to the Sponsor as a .pdf file via email. The Sponsor shall submit final comments, if any, on the draft report to the

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Study Director. After review and acceptance of the draft final report by the Sponsor, Battelle will submit to the Sponsor a bound final report along with a .pdf file.

14.0 STORAGE OF STUDY MATERIALS AND RECORDS RETENTION

Except for analyses performed by the Sponsor or Sponsor's designated laboratory, all records required to reconstruct the study and the final report will be maintained under the direction of Battelle according to facility SOPs. The final report, study files, records and specimens will be stored in Battelle's archives for a period of no less than one year after issue of the final report. At the end of 1 year, the Sponsor will provide authorization concerning the disposition of these items.

**AMENDMENT NUMBER 1 TO THE PROTOCOL FOR THE 2-YEAR CHRONIC
TOXICITY/CARCINOGENICITY STUDY OF TOBACCO BLEND AND AQUEOUS
TOBACCO EXTRACT IN WISTAR HAN RATS (CN49730G)**

1.
 - a. Page 5, Section 6.0, Proposed Study Schedule. The following TK Plasma Collections have changed from:

“Week 4” and “Week 13”

to:

“Week 5” and “Week 14”

b. The reason for the change is to maintain consistency and to clarify when plasma, as opposed to blood, will be collected from toxicokinetic animals.

c. The effective date for this change is February 12, 2009.
2.
 - a. Page 9, Section 10.0, Experimental Design. The following sentence has changed from:

“A subset of 10 rats/sex are included in each dose group for plasma nicotine and cotinine analysis in which blood collection will occur from five rats per sex per group on each Tuesday and Wednesday immediately following Week 4, 13, and once every 4 months thereafter (Weeks 31, 49, 66, 83, and 101) at a single collection time point (12:00 AM target time).”

to:

“A subset of 10 rats/sex are included in each dose group for plasma nicotine and cotinine analysis in which plasma collection will occur from five rats per sex per group on each Tuesday and Wednesday on study Weeks 5, 14, and once every 4 months thereafter (Weeks 31, 49, 66, 83, and 101) at a single collection time point (12:00 AM target time).”

b. The reason for the change is to maintain consistency and to clarify when plasma, as opposed to blood, will be collected from toxicokinetic animals.

c. The effective date for this change is February 12, 2009.

3. a. Page 11, Section 10.4, Body Weight. The following sentence has changed from:

“After initiation of dosing, body weights for all core study rats (excluding sentinels) will be recorded weekly for the first 13 weeks and every 4 weeks thereafter until termination.”

to:

“After initiation of dosing, body weights for all core study rats (excluding sentinels) and rats in the TK plasma analysis groups will be recorded weekly for the first 13 weeks and every 4 weeks thereafter until termination.”

- b. The reason for the change is to correct an error in the protocol.
c. The effective date for this change is February 12, 2009.

4. a. Page 11, Section 10.4, Body Weight. The following sentence has been deleted:

“Weekly body weights will also be recorded for animals in the TK plasma analysis groups.”

- b. The reason for the change is to correct an error in the protocol.
c. The effective date for this change is February 12, 2009.

5. a. Page 12, Section 10.6, Ophthalmic Examinations. The following sentence has changed from:

“Ophthalmic exams will also be performed after 12 months and near the termination of the carcinogenicity phase for all core carcinogenicity study animals, excluding sentinels.”

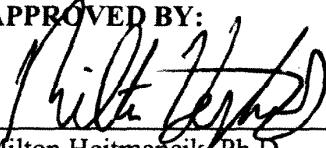
to:

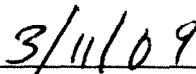
“Ophthalmic exams will also be performed after 12 months and near the termination of the carcinogenicity phase for all core carcinogenicity study animals, excluding the Control-B group and sentinels.”

- b. The reason for the change is to clarify which groups will be examined after 12 months and near the termination of the carcinogenicity phase.
 - c. The effective date for this change is February 12, 2009.
6. a. Page 12, Section 10.7, Toxicokinetics. The following sentence has changed from:
- “Blood sampling will occur on each Tuesday (males) and Wednesday (females) immediately following Weeks 4, 13, and every 4 months thereafter (Weeks 31, 49, 66, 83, and 101).”
- to:
- “Toxicokinetic plasma collection will occur on each Tuesday (males) and Wednesday (females) on study Weeks 5, 14, and every 4 months thereafter (Weeks 31, 49, 66, 83, and 101).”
- b. The reason for the change is to maintain consistency and to clarify when plasma, as opposed to blood, will be collected from toxicokinetic animals.
 - c. The effective date for this change is February 12, 2009.
7. a. Page 16, Section 10.10, Organ Weights. The prostate must be weighed after fixation.
- b. The reason for the change is to correct a typographical error in the protocol.
- c. The effective date for this change is February 12, 2009.
8. Revised pages 5, 9, 11, 12 and 16 of the protocol as changed in the amendment are attached.

Battelle Study Number CN49730G
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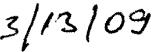
APPROVED BY:


Milton Hejmancik, Ph.D.
Diplomate, A.B.T.
Study Director


3/11/09

Date


Suzana Theophilus, Ph.D.
Diplomate, A.B.T.
Study Monitor
R.J. Reynolds Tobacco Company


3/13/09

Date

**AMENDMENT NUMBER 2 TO THE PROTOCOL FOR THE 2-YEAR CHRONIC
TOXICITY/CARCINOGENICITY STUDY OF TOBACCO BLEND AND AQUEOUS
TOBACCO EXTRACT IN WISTAR HAN RATS (CN49730G)**

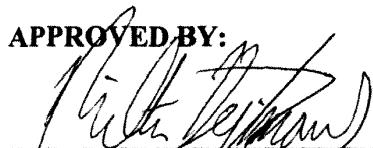
1.
 - a. Page 15, Section 10.9.2, Scheduled Necropsy. The following tissue has been changed from:

“Oral cavity”

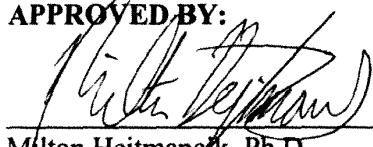
to:

“Oral mucosa”
 - b. The reason for the change is to clarify the portion of oral tissue collected, processed, and examined microscopically.
 - c. The effective date for this change is April 14, 2010.
2. Revised page 15 of the protocol as changed in the amendment is attached.

APPROVED BY:

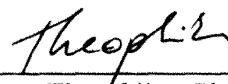


Milton Hejtmanek, Ph.D.
Diplomate, A.B.T.
Study Director

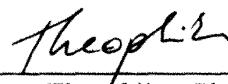


4/14/10

Date



Suzana Theophilus, Ph.D.
Diplomate, A.B.T.
Study Monitor
R.J. Reynolds Tobacco Company



4/15/10

Date

**AMENDMENT NUMBER 3 TO THE PROTOCOL FOR THE 2-YEAR CHRONIC
TOXICITY/CARCINOGENICITY STUDY OF TOBACCO BLEND AND AQUEOUS
TOBACCO EXTRACT IN WISTAR HAN RATS (CN49730G)**

1. a. Page 4, Section 4.2, Study Director. The Study Director has been changed from:

“Milton R. Hejtmancik, Ph.D., D.A.B.T.
Tel: 614-424-4465
Fax: 614-424-3171
E-mail: hejtman@battelle.org”

to:

“Dawn M. Fallacara, Ph.D.
Tel: 614-424-4591
Fax: 614-424-3171
E-mail: fallacarad@battelle.org”

b. The reason for the change is because Dr. Hejtmancik has been assigned additional responsibilities.

c. The effective date for this change is April 20, 2010.
2. Revised page 4 of the protocol as changed in the amendment is attached.

Battelle Study Number CN49730G
Page 2 of 2

APPROVED BY:

Diane Gerken

Diane K. Gerken, D.V.M., Ph.D., D.A.B.T.
Diplomate, A.B.V.T.

4/20/10

Date

① Theophilus

Dawn M. Fallacara, Ph.D.
Study Director

4/20/10

Date

①

Suzana Theophilus, Ph.D.
Diplomate, A.B.T.
Study Monitor
R.J. Reynolds Tobacco Company

①

Date

① Study monitor signed in wrong location. DMF 4/20/10

Dawn Fallacara

Study Director

4/20/10

Date

Battelle Study Number CN49730G
Page 1 of 1

**AMENDMENT NUMBER 4 TO THE PROTOCOL FOR THE 2-YEAR CHRONIC
TOXICITY/CARCINOGENICITY STUDY OF TOBACCO BLEND AND AQUEOUS
TOBACCO EXTRACT IN WISTAR HAN RATS (CN49730G)**

1.
 - a. Page 5, Section 6.0, Proposed Study Schedule. The following TK Plasma Collection dates during Week 66 have been changed from:

“June 1-2, 2010”

to:

“June 2-3, 2010”

b. The reason for the change is to avoid the occurrence of this critical study event on the Memorial Day holiday.

c. The effective date for this change is May 5, 2010.
2. Revised page 5 of the protocol as changed in the amendment is attached.

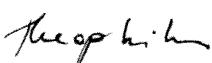
APPROVED BY:



Dawn M. Fallacara, Ph.D.
Study Director

6/4/10

Date



Suzana Theophilus, Ph.D.
Diplomate, A.B.T.
Study Monitor
R.J. Reynolds Tobacco Company

6/10/10

Date

Battelle Study Number CN49730G
Page 1 of 1

**AMENDMENT NUMBER 5 TO THE PROTOCOL FOR THE 2-YEAR CHRONIC
TOXICITY/CARCINOGENICITY STUDY OF TOBACCO BLEND AND AQUEOUS
TOBACCO EXTRACT IN WISTAR HAN RATS (CN49730G)**

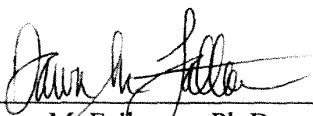
1. a. Page 17, Section 11.0, **COMPUTER SYSTEMS FOR DATA MANAGEMENT**. The following computer system has been added:

“ Computer System Name	Version	Manufacturer	Data Type
EMCS	3.10	Siemens	Animal Facility Environmental ..

- b. This study has moved to Building 7-South. Therefore, this addition to the protocol is necessary to include the new monitoring system used in the study's new location.
- c. The effective date for this change is March 31, 2010.

2. Revised pages 17a and 17b of the protocol as changed in the amendment is attached.

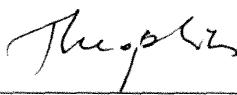
APPROVED BY:



Dawn M. Fallacara, Ph.D.
Study Director

6/9/10

Date



Suzana Theophilus, Ph.D.
Diplomate, A.B.T.
Study Monitor
R.J. Reynolds Tobacco Company

6/10/10

Date

DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: February 17, 2009-March 2, 2009

Nature of Deviation: Protocol states male rats will be housed up to 2/cage and females will be housed up to 3/cage. Animals were housed up to 5/cage upon receipt.

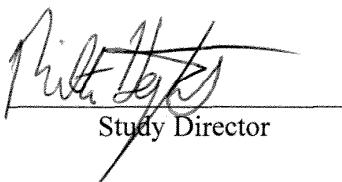
Cause of Deviation: In order to coordinate and consolidate the receipt of animals while additional study rooms were being prepared prior to the study start, rats were separated by sex into two study rooms and were housed up to 5/cage to facilitate adaptation and acclimatization to the cage environment.

Impact on the Study: This deviation has no impact on the study. IACUC approval for this initial housing modification was received on February 20, 2009.

Corrective Action: None.

Prepared By: Dawn Fallacara

Approved By:



Study Director

Date: 2/26/09

Original: Study File
Copies: M. Hejtmancik
Dawn Fallacara
C. James
N. Hale
J. MacMurray
8835 Files

DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: March 2-29, 2009

Nature of Deviation: Within each dose group, male rats were fed the concentration of test article in feed that was intended for females, and vice versa, from the first formulation.

Cause of Deviation: The color code included in Table 1 of COMPSPEC.I-185-00 indicated red buckets were to be used for male dose formulations and blue buckets were to be used for female dose formulations. The SOP should have indicated that blue buckets were to be used for male doses and red buckets were to be used for female doses to maintain consistency with the 28-Day and 90-Day studies.

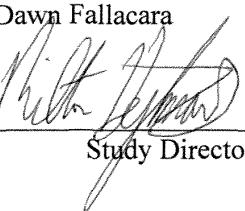
Impact on the Study: This incident has no impact on the study as the body weights and dose concentrations were similar between sexes and corresponding dose groups. Exposure information is included in the table below. The estimated concentrations (mg nicotine/kg BW/day) were derived from actual food consumption and body weight data using the intended concentrations while the exposure concentration denotes the concentration fed to rats.

Group	Estimated Concentration	Exposure Concentration
B0.2M	0.15	0.18
B2M	1.5	1.8
B5M	3.7	4.3
B0.2F	0.16	0.13
B2F	1.5	1.3
B5F	3.7	3.1
E0.2M	0.18	0.21
E2M	1.8	2.1
E5M	4.2	4.9
E0.2F	0.18	0.16
E2F	1.8	1.5
E5F	4.3	3.6

Corrective Action: The color coding system has been changed for the second formulation to indicate blue buckets for female rats and red buckets for male rats.

Prepared By: Dawn Fallacara

Approved By:


Study Director

Date:

3/31/09

Original: Study File
Copies: M. Hejtmancik
Dawn Fallacara
C. James
T. Pollack
N. Hale
J. MacMurray
K. Carrico
B. Burbank
8835 Files

CN49730G

DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: September 18, 2009

Nature of Deviation: Protocol states that the formulation archive/retention samples are to be stored at room temperature; however, the labels indicated -20°C storage conditions.

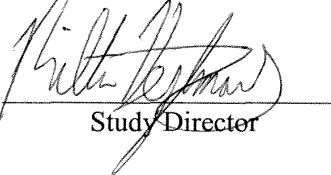
Cause of Deviation: Labeling error in ToxForm.

Impact on the Study: No negative impact on study.

Corrective Action: Labels used for the September 2, 2009 were GLP-corrected prior to sample storage. Blend samples obtained from the previous day's formulation (September 1, 2009) were moved to the correct location.

Prepared By: Dawn Fallacara

Approved By:


Study Director

Date: 11/6/09

Original: Study File

Copies: M. Hejtmancik
Dawn Fallacara
C. James
K. Carrico
B. Burback
8835 Files

DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: October 26-29, 2009 (Batch 11 dose formulation)
December 18-21, 2009 (Batch 12 dose formulation)

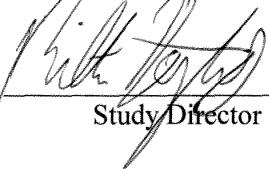
Nature of Deviation: The protocol states that the formulation archive/retention samples are to be stored at room temperature. At the time of dose formulation, the archival/retention sample labels were mislabeled and indicated -20°C storage conditions. Therefore, Batch 11 and Batch 12 archival/retention samples were periodically stored in the freezer prior to being moved to the correct storage conditions.

Cause of Deviation: Labeling error in ToxForm.

Impact on the Study: No negative impact on study.

Corrective Action: Archive sample labels were GLP-corrected. Archival/retention samples were moved to the correct location (room temperature).

Prepared By: Dawn Fallacara

Approved By: 
Study Director

Date: 2/23/10

Original: Study File
Copies: M. Hejtmancik
Dawn Fallacara
C. James
K. Carrico
B. Burbank
8835 Files

DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: February 15-17, 2010 (Batch 13 dose formulation)

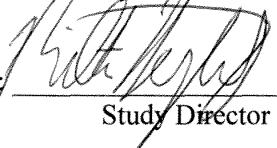
Nature of Deviation: The protocol states that the formulation archive/retention samples are to be stored at room temperature. At the time of dose formulation, the archival/retention sample labels were mislabeled and indicated -20°C storage conditions. Therefore, Batch 13 archival/retention samples were periodically stored in the freezer prior to being moved to the correct storage conditions.

Cause of Deviation: Labeling error in ToxForm.

Impact on the Study: No negative impact on study.

Corrective Action: Archive sample labels were GLP-corrected. Archival/retention samples were moved to the correct location (room temperature) on February 17, 2010.

Prepared By: Dawn Fallacara

Approved By: 
Study Director

Date: 3/23/10

Original: Study File
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K. Carrico
B. Burback
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DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: May 28, 2009

Nature of Deviation: The terminal body weight and clinical observation was not recorded for animal # 662. This animal was terminated as moribund on May 28, 2009.

Cause of Deviation: Technician error.

Impact on the Study: This incident has no negative impact on the study. The clinical disposition of this animal was described in detail via email correspondence, which is currently located in the study file.

Corrective Action: The clinical disposition on this animal was described in detail via email correspondence. This correspondence has been acknowledged by the study director and is currently located in the study file.

Prepared/Approved By: 
Study Director

Date: 5/12/10

Original: Study File
Copies: M. Hejtmancik
Dawn Fallacara
C. James
D. Thoma
8835 Files

REPORT OF DEVIATION

Study Title: 2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract in Wistar Han Rats

Study Number: CN49730G

Sponsor Study Number: N/A

Deviation Classification:

GLP
 Protocol
 SOP

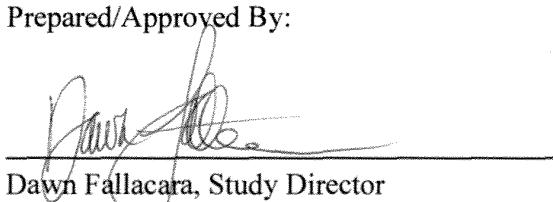
Date(s) of Deviation: July 25, 2009-August 18, 2009

Description of Deviation: The protocol states that the bulk test articles are to be stored at -30 to -15°C. The T-track report for freezer X58801 indicates 115 readings were outside the designated range (-14 to 2°C) from July 25, 2009-August 18, 2009.

Corrective Action: This report has been prepared as documentation.

Impact on Study: None. The freezer maintained below-freezing temperatures (< 0 °C) when out of range. The tobacco extract test article is an aqueous solution; therefore, thawing is highly unlikely within the temperature range -14 to 2°C. There was no evidence of thawing for the tobacco blend test article.

Prepared/Approved By:


Dawn Fallacara, Study Director

6/11/10

Date

DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: The actual dates of the deviation cannot be ascertained since it encompasses examination of tissue by the study pathologist. The deviation was identified on August 3, 2010.

Nature of Deviation: Protocol required collection/examination of mammary gland in females only. This tissue was examined in males.

Cause of Deviation: The skin and mammary gland are located within the same tissue section collected at necropsy. Therefore, the mammary gland was processed to slides along with skin and routinely examined by the study pathologist.

Impact on the Study: Positive.

Corrective Action: None.

Prepared/Approved By: Dawn Fallacara
Study DirectorDate: 8/21/10

Original: Study File
Copies: M. Hejtmancik
Dawn Fallacara
C. James
A. Skowronek
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DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: June 1, 2010

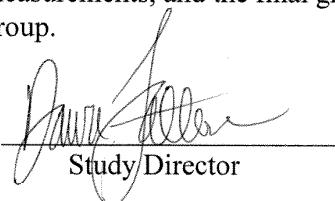
Nature of Deviation: Empty feeder weights were not recorded for cages # 393-400. When the error was recognized, feeders had already been removed from their respective cages, and there was no way to identify the location of each feeder prior to its removal.

Cause of Deviation: Technician error.

Impact on the Study: This incident has no negative impact on the study. Food consumption measurements for these eight cages will consist of three days of food consumption measurements as opposed to seven.

Corrective Action: The animal room technician correctly marked each empty feeder weight as "Not Taken" in the PATH/TOX SYSTEM. This will allow for food consumption measurements to be calculated using only the first three days of food consumption measurements, as feeder weights are currently weighed "on" and "off" twice a week. The remainder of the feeders in this group will be calculated using seven days of food consumption measurements, and the final group mean will include all cages within the group.

Prepared/Approved By:


Study Director

Date: 9/16/10

Original: Study File

Copies: M. Hejtmancik
Dawn Fallacara
C. James
D. Thoma
8835 Files

DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: The actual dates of the deviation cannot be ascertained since it encompasses examination of tissue by the study pathologist. The deviation was identified on September 14, 2010.

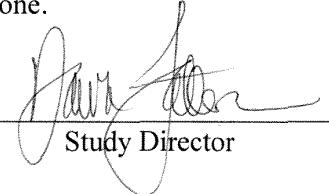
Nature of Deviation: According to Section 10.12 of the study protocol, histopathology examination was required for scheduled necropsies of core rats in the Control-A and high dose groups (Groups 5 and 8). Tissues collected from animals 504, 1516, 1802, and 1809 during unscheduled necropsies were also subjected to histopathology examination.

Cause of Deviation: Unscheduled deaths of animals 504, 1516, 1802, and 1809 occurred during the latter portion of the toxicity study (Days 142-353). Histopathology examination of tissues collected from these high-dose animals was conducted in order to document treatment-related microscopic findings.

Impact on the Study: Positive.

Corrective Action: None.

Prepared/Approved By:


Study Director

Date: 9/17/10

Original: Study File
Copies: M. Hejtmancik
Dawn Fallacara
C. James
A. Skowronek
8835 Files

DEVIATION REPORT

CN49730G

2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and Aqueous Tobacco Extract
in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: February 17, 2009 – February 24, 2009 (Pre-study period).

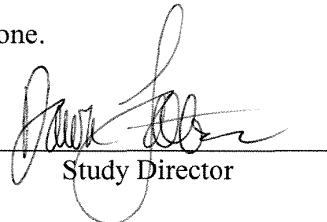
Nature of Deviation: According to Section 10.3 of the study protocol, detailed clinical examinations were to be conducted on all rats, including those not subsequently assigned to study, prior to group assignment.

Cause of Deviation: Clinical observations were not scheduled to occur in the TOX/PATH SYSTEM until Study Day 1 for male and female rats.

Impact on the Study: None. Only animals with “unremarkable” clinical observations on Study Day 1 were selected for group assignment.

Corrective Action: None.

Prepared/Approved By:



Study Director

Date: 9/17/10

Original: Study File

Copies: M. Hejtmancik
Dawn Fallacara
C. James
8835 Files

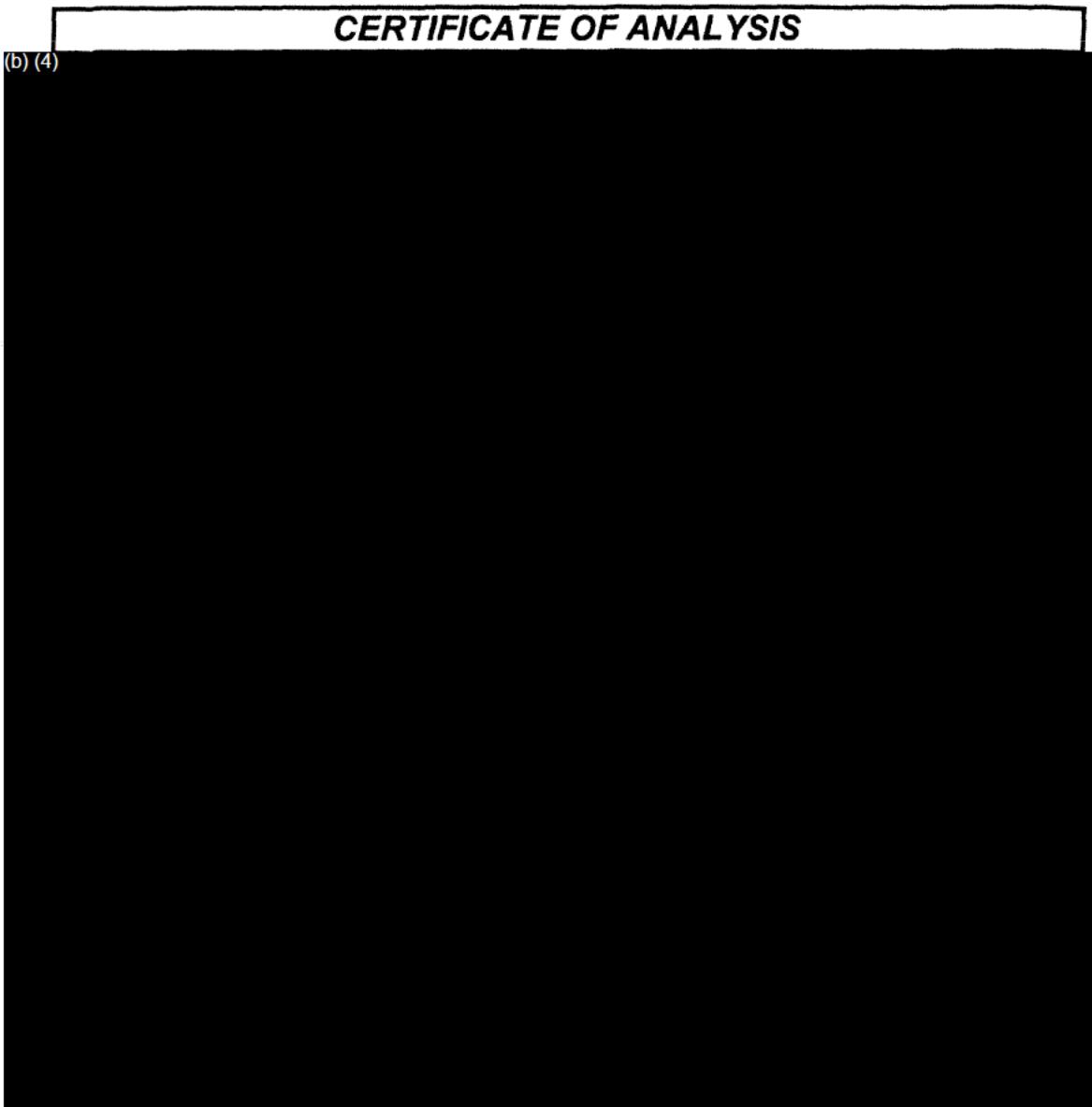
**APPENDIX B: CERTIFICATES OF ANALYSIS AND TEST ARTICLE
CHARACTERIZATION AND STABILITY**

RJReynolds

Bowman Gray Technical Center
960 Reynolds Boulevard
Winston-Salem, NC 27106
(336) 741-1536

CERTIFICATE OF ANALYSIS

(b) (4)



THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT. THE DATA OUTLINED AND THE STATEMENTS MADE ARE INTENDED AS A SOURCE OF INFORMATION.

PAGE 1 OF 2

CERTIFICATE OF ANALYSIS

(b) (4)

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT. THE DATA OUTLINED AND THE STATEMENTS MADE ARE INTENDED AS A SOURCE OF INFORMATION.

The logo for RJReynolds, featuring the letters "RJ" in a stylized font followed by "Reynolds" in a serif font.

Bowman Gray Technical Center
950 Reynolds Boulevard
Winston-Salem, NC 27105
(336) 741-1636

CERTIFICATE OF ANALYSIS

(b) (4)

A large rectangular area of the page has been completely blacked out, likely to redact sensitive information. The text "(b) (4)" appears in the top-left corner of this redacted area.

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT. THE DATA OUTLINED AND THE STATEMENTS MADE ARE INTENDED AS A SOURCE OF INFORMATION.

CERTIFICATE OF ANALYSIS

(b) (4)

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT. THE DATA OUTLINED AND THE STATEMENTS MADE ARE INTENDED AS A SOURCE OF INFORMATION.

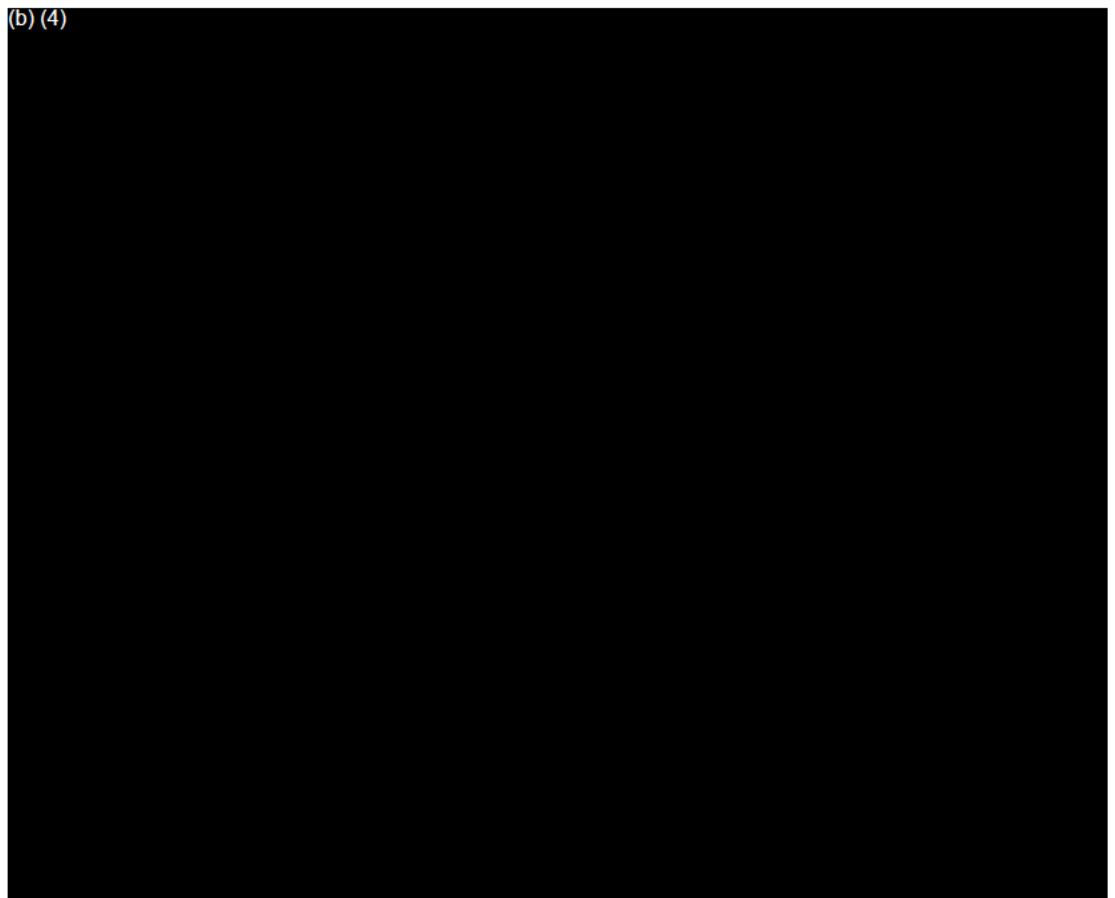
**RJRT Summary of
Initial Test Article Characterization and
Stability Data**

**Smokeless Tobacco and Extract
Feeding Studies**

8/27/08

Summary

(b) (4)



Test article characterization

Test design

Analyses were planned for 2008, 2009, 2010, and 2011 to span the full length of the toxicology studies and to determine the evolution of the measured endpoints for the test articles with time.

The test article characterization study had 2 main components:

- 1) Chemical analyses conducted at
 - a. RJRT
 - b. Labstat
 - c. Microbac
- 2) Microbial analyses conducted at
 - a. RJRT
 - b. Trilogy

The chemical and microbiological test article characterization and stability studies were designed to analyze various chemicals of interest and microbiological endpoints to determine the evolution of the test articles over time. The chemistry endpoints that were planned to be measured are presented in Table 1.

Table 1. Chemistry endpoints by evaluation site

Analyte	Site
pH	RJRT
% Dry matter	RJRT
% Moisture/water	RJRT
Nicotine	RJRT
Nornicotine	RJRT
Anabasine	RJRT
Myosamine	RJRT
Anatabine	RJRT
N'-Nitrosonornicotine (NNN)	RJRT
4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK)	RJRT
N'-nitrosoanatabine (NAT)	RJRT
N'-nitrosoanabasine (NAB)	RJRT
Chloride	RJRT
Sugars (sucrose, fructose, glucose)	RJRT
Ammonia	RJRT
Hydroquinone	RJRT
Catechol	RJRT
Phenol	RJRT
M+p-Cresol	RJRT
Arsenic	RJRT
Cadmium	RJRT
Chromium	RJRT
Nickel	RJRT
Lead	RJRT
Formaldehyde	Labstat
Acrolein	Labstat
Benzo[a]pyrene	Labstat
Benzo[a]anthracene	Labstat
Benzo[b]fluoranthene	Labstat
Benzo[j] fluoranthene	Labstat
Benzo[k]fluranthene	Labstat
Dibenz[a,h]anthracene	Labstat
Indeno[1,2,3-cd]pyrene	Labstat
Fluorene	Labstat
Acenaphthylene	Labstat
Fluoranthene	Labstat
Acenaphthene	Labstat
Naphthalene	Labstat
Chrysene	Labstat

Analyte	Site
N-Nitrosodimethylamine (NDMA)	Labstat
N-Nitrosoethylmethylamine (NEMA)	Labstat
N-Nitrosopyrrolidine (NPYR)	Labstat
N-Nitrosodimethylpropylamine (NDPA)	Labstat
N-nitrosodimethylethylnitrosamine (NDEA)	Labstat
N-Nitrosodimethylbutylamine (NDBA)	Labstat
N-Nitrosopiperidine (NPIP)	Labstat
Nitrite	Labstat
Organochlorines	Microbac
Organophosphates	Microbac
Maleic hydrazide	Microbac
Dithiocarbamates (reported as mancozeb)	Microbac
N-methylcarbamates	Microbac
N-containing pesticides	Microbac
Herbicides	Microbac

The microbiological endpoints planned to be measured are presented in Table 2.

Table 2. Microbial endpoints by evaluation site

Endpoint	Site
Total bacteria	RJRT
Enteric bacteria (coliforms)	RJRT
Total yeast	RJRT
Total mold	RJRT
Water activity	RJRT
<i>Escherichia coli</i> type I	RJRT
<i>Streptococcus faecalis</i>	RJRT
<i>Thermophilic actinomycetes</i>	RJRT
<i>Aspergillus fumigatus</i> and other yeast/mold	RJRT
<i>Staphylococcus</i> sp. including <i>aureus</i>	RJRT
<i>Klebsiella</i> spp.	RJRT
<i>Salmonella</i>	RJRT
Aflatoxin B1	Trilogy
Aflatoxin B2	Trilogy
Aflatoxin G1	Trilogy
Aflatoxin G2	Trilogy
Ochratoxin A	Trilogy
T-2 toxin	Trilogy
Zearelenone	Trilogy
Sterigmatocystin	Trilogy
Deoxynivalenol	Trilogy
Diacetoxyscirpenol	Trilogy

For microbiological measurements, periodic samples were planned to be analyzed to construct a time course analysis. The frequency of measurement was planned to be

monthly or bimonthly for the first 6 months and once per quarter or biannually throughout the study (to be determined based on first 6 months of data). Microbial toxins were planned to be measured initially and yearly thereafter.

Besides the chemistry and microbiology core study plan, there were two additional studies. The first was to obtain 1-month stability data on a subset of key compounds (e.g., nicotine). The second was to obtain additional data on the blend. Due to the fact that the blend had to be ground finer to obtain homogenous diet mixtures for the animal studies, an additional analysis (measuring the same compounds of toxicological interest as for the original test articles) was conducted to demonstrate that the ground and non-ground blends were chemically equivalent.

Where appropriate, an additional reference smokeless tobacco (2S3, moist snuff) was included. The inclusion of this reference tobacco was designed mainly to help ensure that the methods used were working as expected.

Initial test article characterization

Results summary: March-July 2008

1) Chemistry results

a) RJRT analyses

Full production test article characterization (initial time point)

The test articles were produced for toxicology testing in March 2008. Analyses were conducted on these samples between March and July 2008. The storage conditions were initially room temperature for the blend and <0°C for the extract. Subsequently, the blend was stored at <4°C in cold storage and the extract continued to be stored frozen (<0°C). The test articles were transported to the contract toxicology laboratory under frozen conditions (<-10°C) and they were subsequently stored frozen at the contract laboratory (<-15°C).

For the initial test article characterization (full production batch, GN75387), the set of analytes measured at RJRT indicated that the trend was E ≤ B (Table 3), except for glucose and catechol, where E > B. The trend was not as consistent for the B or E vs. reference (2S3, R) comparisons. For the available values, the analyte levels measured for the 2S3 reference indicated that the methods worked as expected.

P-values comparing all three samples were adjusted to control for multiple comparisons using the Bonferroni method, with p < 0.05 required for statistical significance. Small differences are significant in some cases because of small variation among replicates.

Table 3. RJRT analyses-full production test articles (blend, extract) and reference

Analyte, Measurement unit	Test Articles			Comparisons			Ranking
	2S3 (R)	Blend (B)	Extract (E)	R vs. B	R vs. E	B vs. E	
Total Solids, %			37.8 ^a	NA	NA	NA	NA
pH	7.32	5.45	5.19 ^a	B < R	E < R	E < B	E < B < R
Moisture, %	53.7	10.1		B < R	NA	NA	B < R
Nicotine, mg/g	15.1	26.3	23.0	R < B	R < E	E < B	R < E < B
Nicotine (colorimetric), %		2.57	2.40		NA	NA	NA
Nicotine, %	1.51	2.63	2.30	R < B	R < E	E < B	R < E < B
Nornicotine, %	<0.010	0.068	0.057	R < B	R < E	E < B	R < E < B
Myosmine, %	0.0010	0.0015	0.0010	NA	NA	NA	NA
Anabasine, %	0.003	0.010	0.009	R < B	R < E	E < B	R < E < B
Anatabine, %	0.024	0.065	0.056	R < B	R < E	E < B	R < E < B
Total Alkaloids, %	<1.55	2.77	2.42	R < B	R < E	E < B	R < E < B
2 nd Total Alkaloids, %	<0.038	0.15	0.12	R < B	R < E	E < B	R < E < B
Fructose, %	0.16	1.01	0.96	R < B	R < E	E < B	R < E < B
Sucrose, %	<0.10	0.19	<0.08	R < B	NA	E < B	R, E < B
Glucose, %	<0.10	0.29	0.37	R < B	R < E	B < E	R < B < E
Ammonia, %	0.27	0.30	0.26	R < B	NS	E < B	R, E < B
Chloride, %	5.53	2.71	2.55	B < R	E < R	E < B	E < B < R
Hydroquinone, µg/g	BDL	BDL	BDL	NA	NA	NA	NA
Catechol, µg/g	12.30	14.42	21.06	R < B	R < E	B < E	R < B < E
Phenol, µg/g	5.35	BDL	BDL	B < R	E < R	NA	B, E < R
p,m-Cresol, µg/g	7.98	BDL	BDL	B < R	E < R	NA	B, E < R
NNN, µg/g	1.57	1.02	1.00	B < R	E < R	NS	B, E < R
NNK, µg/g	0.43	0.40	0.36	NS	NS	NS	NS
NAT, µg/g	1.09	0.68	0.68	B < R	E < R	NS	B, E < R
NAB, µg/g	<0.43	<0.43	<0.49	NA	NA	NA	NS
Arsenic, µg/g	0.252	0.308	0.111	R < B	E < R	E < B	E < R < B
Cadmium, µg/g	0.77	0.74	0.30	B < R	E < R	E < B	E < B < R
Chromium, µg/g	0.44	0.71	0.23	R < B	E < R	E < B	E < R < B
Lead, µg/g	0.220	0.283	0.065	R < B	E < R	E < B	E < R < B
Nickel, µg/g	1.38	1.89	0.99	R < B	E < R	E < B	E < R < B

^aindicates <LOD except for cumulative endpoints like total alkaloids, where at least one component of the sum was <LOD (e.g., nornicotine)

NA indicates non-applicable cases (e.g., only one replicate run such as nicotine, colorimetric assay; no significance test could be conducted for SD=0; comparisons of means with <LOD results)

NS indicates not statistically significant

b) Labstat analyses

The results for the analytes measured in the test articles and 2S3 reference (R) of the initial test article characterization work (2008 analysis) are presented in Table 4. The general trend for measured analytes is as follows: E < B < R. It is noteworthy that many PAHs are present at much lower levels in the blend and extract than in the reference tobacco.

Table 4. Labstat analyses-full test article production: blend, extract, and reference

Analyte, Measurement unit	Mean SD	Test Articles			Comparisons (% difference)			Ranking
		2S3 (R)	Blend (B)	Extract (E)	B vs. R	E vs. R	E vs. B	
Formaldehyde, µg/g	Mean	0.860	0.309	0.023	-64.0	-97.3	-92.4	E < B < R
	SD	0.144	0.071	0.002				
Acrolein, µg/g	Mean	<0.016	<0.008	<0.001	NA	NA	NA	NA
	SD	0.000	0.000	0.000				
Nitrite, µg/g	Mean	9.182	2.808	* 0.125	-69.4	-98.6	-95.5	E < B < R
	SD	2.167	0.000	0.000				
NDMA, ng/g	Mean	* 7.553	* 2.835	<0.071	NA	-99.1	-97.5	E < B, R
	SD	1.745	0.000	0.000				
NPYR, ng/g	Mean	* 7.213	* 4.010	* 0.216	NA	NA	-94.6	E < B < R
	SD	0.000	0.000	0.000				
NEMA, ng/g	Mean	<2.980	<1.510	<0.081	NA	NA	NA	NA
	SD	0.000	0.745	0.000				
NDEA, ng/g	Mean	<3.080	* 1.864	<0.084	NA	NA	NA	NA
	SD	0.000	0.000	0.000				
NDPA, ng/g	Mean	<3.330	<1.690	<0.091	NA	NA	NA	NA
	SD	0.000	0.000	0.000				
NDBA, ng/g	Mean	<4.650	<2.360	<0.127	NA	NA	NA	NA
	SD	0.000	0.000	0.000				
NPIP, ng/g	Mean	<5.040	<2.560	<0.137	NA	NA	NA	NA
	SD	0.378	0.089	0.051				
Naphthalene, ng/g	Mean	80.257	28.462	4.289	-64.5	-94.7	-84.9	E < B < R
	SD	20.285	4.634	1.243				
Acenaphthylene, ng/g	Mean	58.486	2.003	0.074	-96.6	-99.9	-96.3	E < B < R
	SD	7.660	0.247	0.008				
Acenaphthene, ng/g	Mean	77.822	5.960	0.723	-92.3	-99.1	-87.9	E < B < R
	SD	11.786	0.625	0.207				
Fluorene, ng/g	Mean	495.400	8.973	0.409	-98.2	-99.9	-95.4	E < B < R
	SD	53.837	0.933	0.076				
Phenanthrene, & ng/g	Mean	4747.210	65.110	2.760	-98.6	-99.9	-95.8	E < B < R
	SD	268.135	8.068	0.586				
Fluoranthene, ng/g	Mean	1806.850	44.870	2.950	-97.5	-99.8	-93.4	E < B < R
	SD	55.967	4.987	0.329				
Pyrene, & ng/g	Mean	1750.400	32.170	2.340	-98.2	-99.9	-92.7	E < B < R
	SD	53.727	4.879	0.415				
Benzo(a)anthracene, & ng/g	Mean	343.677	4.041	0.290	-98.8	-99.9	-92.8	E < B < R
	SD	17.607	0.691	0.053				
Chrysene, ng/g	Mean	496.849	10.707	0.947	-97.8	-99.8	-91.2	E < B < R
	SD	21.811	1.381	0.119				
Benzo(b)fluoranthene, ng/g	Mean	77.915	2.983	0.276	-96.2	-99.6	-90.7	E < B < R
	SD	4.635	0.273	0.030				
Benzo(k)fluoranthene, ng/g	Mean	27.482	1.536	0.137	-94.4	-99.5	-91.1	E < B < R
	SD	2.343	0.128	0.029				
Benzo(j)fluoranthene, ng/g	Mean	38.042	1.792	0.176	-95.3	-99.5	-90.2	E < B < R
	SD	1.997	0.151	0.029				
Benzo(e)pyrene, & ng/g	Mean	69.059	2.102	0.211	-97.0	-99.7	-90.0	E < B < R
	SD	3.814	0.203	0.023				

Analyte, Measurement unit	Mean SD	Test Articles			Comparisons (% difference)			Ranking
		2S3 (R)	Blend (B)	Extract (E)	B vs. R	E vs. R	E vs. B	
Benzo(a)pyrene, ng/g	Mean	62.696	1.599	0.140	-97.5	-99.8	-91.2	E < B < R
	SD	4.234	0.228	0.020				
Perylene, & ng/g	Mean	8.572	* 0.172	0.031	-98.0	-99.6	-81.9	E < B < R
	SD	1.608	0.000	0.005				
Indeno(1,2,3,-cd)pyrene, ng/g	Mean	25.273	1.362	0.120	-94.6	-99.5	-91.2	E < B < R
	SD	2.102	0.218	0.017				
Dibenz(a,h)anthracene, ng/g	Mean	7.131	* 0.310	* 0.033	-95.7	-99.5	-89.3	E < B < R
	SD	1.324	0.104	0.013				
Benzo(g,h,i)perylene, & ng/g	Mean	27.156	1.612	0.170	-94.1	-99.4	-89.4	E < B < R
	SD	2.003	0.256	0.024				
Dry Matter, %	Mean	45.462	89.589		97.1			R < B
	SD	0.057	0.071					
Moisture, %	Mean	54.538	10.411		-80.9			B < R
	SD	0.057	0.071					

<indicates all LOD values; *indicates some LOQ values, with midpoint value assigned

& indicates additional analytes not requested to be measured but measured and, therefore, reported

For the available values, the analyte levels measured for the 2S3 reference indicated that the methods worked as expected.

c) Microbac analyses

The following pesticides were measured (GN75387AB-blend, AC-extract): alachlor, aldrin, benfluralin, bifenthrin, butralin, camphechlor, captan, chinomethionate, chlordane, chlorothalonil, cyfluthrin, λ -cyhalothrin, cypermethrin, o,p-DDD, p,p-DDD, o,p-DDE, o,p-DDT, p,p-DDT, deltametrin, dichloran, dieldrin, dinocap, endosulfan I, endosulfan II, endosulfan SO4, endrin, esfenvalerate, fenvalerate, flucytrinate, flumetralin, folpet, α -HCH, β -HCH, δ -HCH, heptachlor, heptachlor epoxide, hexachlorobenzene, isopropalin, lindane (γ -HCH), methoxychlor, nitrofen, pendimethalin, permethrin, pyrethrins, trifluralin, EBDC (as mancozeb), maleic hydrazide, acephate, ethyl azinphos, methyl azinphos, methyl bromophos, chlorgenvinphos, chlorpyrifos, S-methyl demeton, diazinon, dichlorvos, dimefox, dimethoate, disulfoton, disulfoton sulfone, disulfoton sulfoxide, ethoprophos, fenamiphos, fenamiphos sulfoxide, fenamiphos sulfone, fenchlorphos, fenitrothion, fensulfothion, fenthion, fenthion sulfone, fenthion sulfoxide, fenophos, formothion, malathion, methamidophos, methidathion, mevinphos, monocrotophos, naled, parathion, methyl parathion, phorate, phosalone, phosphamidon, phoxim, methyl pirimiphos, profenofos, trebufos, trebufos sulfone, trebufos sulfoxide, tetrachlorvinphos, thionazin, trichlorfon, vamidothion, vamidothion sulfoxide, dicamba, 2,4-D, 2,4,5-T, aldicarb, aldicarb sulfone, aldicarb sulfoxide, benalaxyl, butylate, carbaryl, carbofuran, clomazone, diflubenzuron, dimethomorph, diphenamid, ethiofencarb, ethiofencarb sulfone, ethiofenacarb sulfoxide, 3-hydroxycarbofuran, metalaxyl, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, 1-naphtol, oxadixyl, oxamyl, pebulate, piperonyl butoxide, pirimicarb, and propoxur.

With the exception of metalaxyl and butralin, all measured pesticides were below the limit of quantitation. However, based on mouse and rat-specific toxicology data and

exposure assessments, the presence of these two pesticides at such low levels in the tobacco test articles is not expected to contribute in any substantial way to subchronic/chronic toxicity in rats and mice in the feeding studies.

2) Microbiology results

a) RJRT microbial analyses

Figures 1 and 2 indicate the progress of the irradiated test articles with time in terms of microbial endpoints (for the initial samples stored under RJRT conditions at -7°C). Except for total bacterial counts and water activity (which showed changes from the beginning of the study to month 3), there were no other targeted organisms detected at month 3. By month 3, total bacterial counts were slightly increased for the blend and decreased for the extract. However, the water activity for the blend was still below the level where significant growth would be expected, and, although there was a slight increase in the total bacterial counts for the blend, the average values are still within acceptable limits.

Figure 1. Total bacterial counts (RJRT samples)

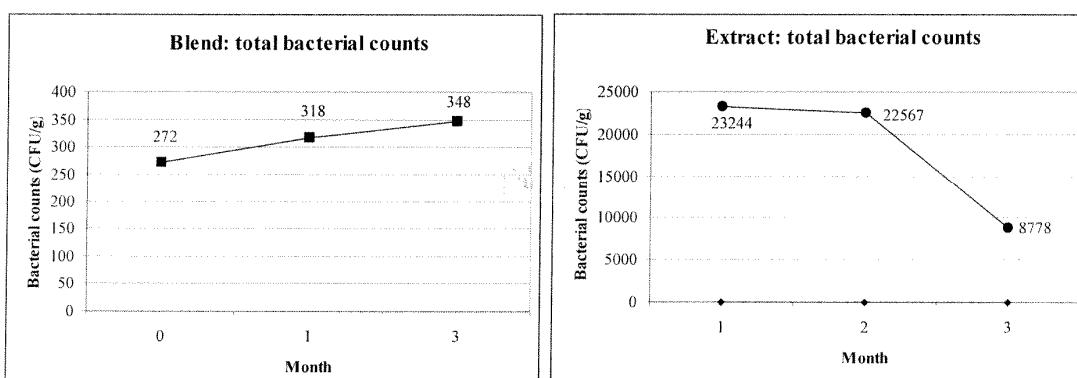
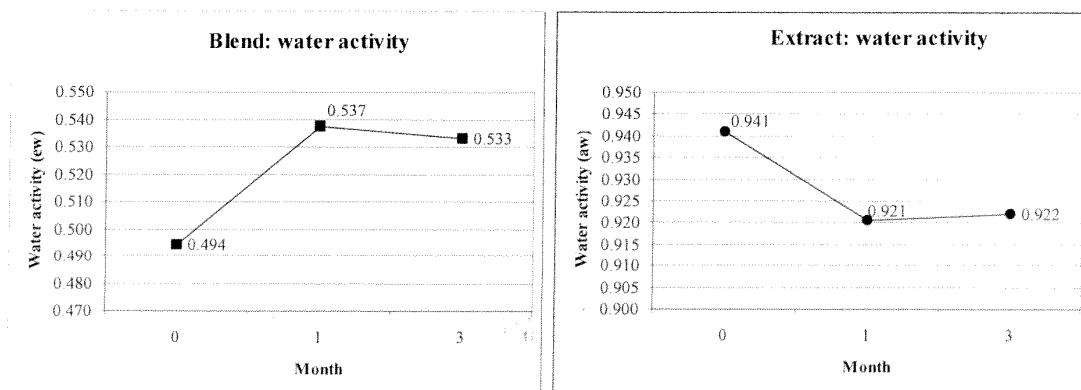


Figure 2. Water activity (RJRT samples)



b) Trilogy toxin analyses

Test articles were tested in April-May 2008 to determine the presence of toxins. No toxins were detected in the blend or extract except for Ochratoxin A. The presence of Ochratoxin A was confirmed by repeating the analysis. However, based on mouse and rat-specific toxicology data and exposure assessments, the presence of Ochratoxin A at such low levels would not be expected to induce Ochratoxin-specific toxicity in the rat and mouse feeding studies.

3) Additional analyses

a) 1-Month stability study: March vs. April 2008 analysis (effects of storage conditions on chemistry endpoints)

A 1-month stability study was conducted using an abbreviated list of compounds to obtain a preliminary read on the stability of key analytes under applicable storage conditions (GN76582). Results from this analysis are presented in Table 5.

Table 5. Test article 1-month stability data (abbreviated analyte list)

Analyte, Measurement unit	2S3			Blend			Extract		
	March	April	April vs. March	March	April	April vs. March	March	April	April vs. March
pH	7.32	7.28	-0.6%	5.45	5.34	-1.9%	5.19	5.45	5.1%
Moisture, %	53.71	54.12	0.8%	10.10	10.06	NS			
Nicotine, mg/g	15.15	15.13	NS	26.28	26.66	NS	22.99	22.80	NS
Nicotine, %	1.51	1.51	NS	2.63	2.67	NS	2.30	2.28	NS
Nornicotine, %	<0.010	0.016	NS	0.068	0.065	NS	0.057	0.055	NS
Myosmine, %	0.001	<0.001	NS	0.002	0.001	NS	0.001	0.001	NS
Anabasine, %	0.003	0.005	NS	0.010	0.011	NS	0.009	0.009	NS
Anatabine, %	0.024	0.026	NS	0.065	0.071	NS	0.056	0.058	NS
Total Alkaloids, %	<1.55	<1.56	NA	2.77	2.81	NS	2.42	2.40	NS
2 nd Total Alkaloids, %	<0.038	<0.049	NA	0.145	0.148	NS	0.123	0.122	NS
Fructose, %	0.16	0.13	NS	1.01	1.29	NS	0.96	1.21	NS
Sucrose, %	<0.10	<0.10	NA	0.19	<0.10	NS	<0.08	<0.09	NA
Glucose, %	<0.10	<0.10	NA	0.29	0.35	NS	0.37	0.38	NS
NNN, µg/g	1.57	1.68	NS	1.02	1.25	NS	1.00	1.02	NS
NNK, µg/g	0.43	0.43	NS	0.40	0.62	NS	0.36	0.39	NS
NAT, µg/g	1.09	1.13	NS	0.68	0.84	NS	0.68	0.69	NS
NAB, µg/g	<0.43	<0.42	NA	<0.43	<0.44	NA	<0.49	<0.49	NA
Total Solids, %							37.76	37.17	-1.6%

NA indicates comparisons of means that include only <LOD values (not applicable)

NS indicates not statistically significant

March and April sample means were compared using z-tests based on test method uncertainty for alkaloids, nitrosamines, and specific sugars. Comparisons of means for pH, moisture, and total solids were made using analysis of variance based on observed variation among replicates which are especially sensitive. P-values were adjusted using Bonferroni's method to control experimental error at a 5% significance level. Total and

secondary alkaloids were calculated by substituting LOD for < LOD quantities. In all other cases, LOD was substituted for < LOD values, with means reported as "<" the calculated mean. Small differences in pH and moisture were statistically significant because little variation was observed among replicates. Otherwise, there were no significant differences for the 2S3, blend, and extract.

For the available values, the analyte levels measured for the 2S3 reference indicated that the methods worked as expected. Overall, these results confirm the stability of the test articles and 2S3 reference during the one month analysis period. This is directly applicable to the formulation regimen employed in the rat and mouse feeding studies.

b) Blend ground vs. non-ground (effects of grinding on chemistry endpoints)

Due to the fact that the blend-diet mixes were not sufficiently homogenous, the blend had to be ground further to achieve a smaller particle size. An additional study was designed to demonstrate that the non-ground and ground blends are equivalent in terms of the analytes selected for analyses (GN77727). Tables 6 and 7 summarize the results from these analyses.

Table 6. Blend ground and non-ground (RJRT data)

Analyte	Mean SD	Test Articles			Comparisons (% Difference)		
		Ground	Non-ground	2S3	Ground vs. Non-Ground	Ground vs. 2S3	Non-Ground vs. 2S3
Ammonia, %	Mean	0.282	0.287	0.253	NS	11.2	13.2
	SD	0.004	0.005	0.005			
pH	Mean	5.37	5.39	7.33	-0.2	-26.7	-26.5
	SD	0.008	0.005	0.008			
Moisture, %	Mean	9.37	9.30	52.50	NS	-82.1	-82.3
	SD	0.038	0.102	0.228			
Total Alkaloids, %	Mean	2.96	2.90	<1.56	2.1	90.3	86.5
	SD	0.038	0.043	0.016			
Secondary Alkaloids, %	Mean	0.163	0.162	<0.053	NS	208.2	206.0
	SD	0.002	0.003	0.001			
Nicotine, %	Mean	2.80	2.74	1.50	NS	86.2	82.3
	SD	0.037	0.042	0.016			
Nornicotine, %	Mean	0.074	0.074	0.018	NS	315.2	317.1
	SD	0.001	0.002	0.001			
Myosmine, %	Mean	0.002	0.002	<0.001	NS	NS	NS
	SD	0.000	0.000	0.000			
Anabasine, %	Mean	0.012	0.012	0.006	NS	111.8	107.1
	SD	0.001	0.000	0.000			
Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4
	SD	0.001	0.002	0.000			
Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3
	SD	0.37	0.42	0.17			
Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4
	SD	0.004	0.035	0.024			
NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS

Analyte	Mean SD	Test Articles			Comparisons (% Difference)		
		Ground	Non-ground	2S3	Ground vs. Non-Ground	Ground vs. 2S3	Non-Ground vs. 2S3
		SD	0.046	0.048	0.038		
NNK, µg/g	Mean	0.60	0.54	0.57	NS	NS	NS
	SD	0.071	0.083	0.067			
NAT, µg/g	Mean	1.13	1.07	1.18	NS	NS	NS
	SD	0.069	0.076	0.052			
NAB, µg/g	Mean	<0.43	<0.43	<0.43	NA	NA	NA
	SD						
Fructose, %	Mean	0.90	0.91	<0.10	NS	798.3	811.7
	SD	0.013	0.020	0.000			
Sucrose, %	Mean	<0.10	<0.10	<0.10	NA	NA	NA
	SD	0.000	0.000	0.000			
Glucose, %	Mean	0.17	0.22	<0.10	NS	66.7	118.3
	SD	0.008	0.045	0.000			
Hydroquinone, mg/g	Mean	BQL	BQL	BQL	NA	NA	NA
	SD						
Catechol, mg/g	Mean	15.36	14.25	12.38	7.8	24.1	15.1
	SD	0.230	0.232	0.163			
Phenol, mg/g	Mean	BQL	BQL	5.46	NA	NA	NA
	SD			0.052			
p,m-Cresol, mg/g	Mean	BQL	BQL	7.14	NA	NA	NA
	SD			0.060			
Arsenic, µg/g	Mean	0.34	0.36	0.48	NS	-27.8	NS
	SD	0.107	0.080	0.029			
Cadmium, µg/g	Mean	0.76	0.73	0.73	4.1	4.1	NS
	SD	0.020	0.010	0.000			
Chromium, µg/g	Mean	0.95	0.81	0.48	NS	97.9	68.8
	SD	0.190	0.190	0.010			
Lead, µg/g	Mean	0.38	0.37	0.30	NS	NS	NS
	SD	0.110	0.040	0.050			
Nickel, µg/g	Mean	1.80	1.60	1.15	12.5	56.5	39.1
	SD	0.060	0.080	0.020			

Table 7. Blend ground and non-ground (Labstat data)

Analyte	Mean SD	Test Articles			Comparisons (% Difference)		
		2S3	Non-Ground	Ground	Non-Ground vs. 2S3	Ground vs. 2S3	Non-Ground vs. Ground
Formaldehyde, µg/g	Mean	0.680	0.351	0.373	-48.4	-45.2	NS
	SD	0.074	0.020	0.053			
Acrolein, µg/g	Mean	* 0.019	<0.008	* 0.010	NA	NA	NA
	SD	0.007	0.000	0.004			
Nitrite, µg/g	Mean	* 1.492	* 0.755	<0.634	NA	NA	NA
	SD	0.592	0.302	0.000			
NDMA, ng/g	Mean	* 6.133	* 3.785	* 4.285	NA	NA	NA
	SD	1.331	1.063	1.138			
NPYR, ng/g	Mean	* 7.930	* 4.010	9.180	NA	NA	128.9

Analyte	Mean SD	Test Articles			Comparisons (% Difference)		
		2S3	Non- Ground	Ground	Non- Ground vs. 2S3	Ground vs. 2S3	Non- Ground vs. Ground
					SD	0.000	0.000
NEMA, ng/g	Mean	* 3.548	<1.510	* 1.805	NA	NA	NA
	SD	1.417	0.000	0.723			
NDEA, ng/g	Mean	* 3.682	<1.560	* 2.180	NA	NA	NA
	SD	1.474	0.000	0.945			
NDPA, ng/g	Mean	<3.330	<1.690	* 2.086	NA	NA	NA
	SD	0.000	0.000	0.885			
NDBA, ng/g	Mean	<4.640	<2.360	* 2.820	NA	NA	NA
	SD	0.000	0.000	1.127			
NPIP, ng/g	Mean	<5.040	<2.550	<2.560	NA	NA	NA
	SD	0.000	0.000	0.000			
Naphthalene, ng/g	Mean	67.585	38.348	41.454	-43.3	-38.7	NS
	SD	6.944	4.722	5.994			
Acenaphthylene, ng/g	Mean	44.799	2.185	3.715	-95.1	-91.7	NS
	SD	3.872	0.234	0.525			
Acenaphthene, ng/g	Mean	54.838	6.489	7.552	-88.2	-86.2	NS
	SD	3.585	0.991	1.470			
Fluorene, ng/g	Mean	391.164	11.193	14.544	-97.1	-96.3	NS
	SD	24.009	1.834	1.197			
Phenanthrene, & ng/g	Mean	4762.500	73.180	68.910	-98.5	-98.6	NS
	SD	263.216	8.239	8.367			
Fluoranthene, ng/g	Mean	1845.940	47.190	50.130	-97.4	-97.3	NS
	SD	61.742	3.214	2.591			
Pyrene, ng/g	Mean	1737.980	29.980	31.860	-98.3	-98.2	NS
	SD	54.955	2.835	2.507			
Benzo(a)anthracene, & ng/g	Mean	348.165	4.128	4.494	-98.8	-98.7	NS
	SD	7.867	0.620	0.578			
Chrysene, ng/g	Mean	492.676	10.482	11.355	-97.9	-97.7	NS
	SD	12.284	0.861	0.980			
Benzo(b)fluoranthene, ng/g	Mean	75.966	2.991	3.892	-96.1	-94.9	NS
	SD	1.222	0.266	0.343			
Benzo(k)fluoranthene, ng/g	Mean	28.940	1.276	1.761	-95.6	-93.9	NS
	SD	1.621	0.104	0.249			
Benzo(j)fluoranthene, ng/g	Mean	39.066	2.064	2.323	-94.7	-94.1	NS
	SD	1.959	0.129	0.204			
Benzo(e)pyrene, & ng/g	Mean	67.956	2.183	2.837	-96.8	-95.8	NS
	SD	2.401	0.197	0.231			
Benzo(a)pyrene, ng/g	Mean	62.860	1.460	1.970	-97.7	-96.9	NS
	SD	1.934	0.218	0.216			
Perylene, & ng/g	Mean	8.080	* 0.227	0.416	-97.2	-94.9	83.0*
	SD	0.191	0.061	0.054			
Indeno(1,2,3,- cd)pyrene, ng/g	Mean	24.244	1.215	1.825	-95.0	-92.5	NS**

Analyte	Mean SD	Test Articles			Comparisons (% Difference)		
		2S3	Non- Ground	Ground	Non- Ground vs. 2S3	Ground vs. 2S3	Non- Ground vs. Ground
Dibenz(a,h)anthracene, ng/g	SD	1.381	0.158	0.309			
	Mean	5.472	* 0.210	* 0.297	-96.2	-94.6	NA
Benzo(g,h,i)perylene,& ng/g	SD	1.306	0.056	0.136			
	Mean	25.327	1.447	2.009	-94.3	-92.1	NS
Dry Matter, %	SD	1.799	0.147	0.208			
	Mean	45.475	89.659	89.371	97.2	96.5	-0.3
Moisture, %	SD	0.058	0.088	0.042			
	Mean	54.525	10.341	10.629	-81.0	-80.5	2.8
	SD	0.058	0.088	0.042			

<Indicates all LOD values, *indicates some LOQ values, with midpoint value assigned

*Not statistically significantly different on a dry weight basis

**Statistically significantly different on a dry weight basis

&Indicates additional analytes not requested to be measured but measured and, therefore, reported

Results indicate that, although there were a few statistically significant differences between the ground and non-ground blends, these small statistically significant differences are not expected to translate into biological activity differences in the current set of assays. Therefore, the blends (ground and non-ground) are considered substantially equivalent.

For the available values, the analyte levels measured for the 2S3 reference indicated that the methods worked as expected.

Conclusion

Taking all data into account, results to date 1) indicate that the test articles are appropriately controlled and 2) support the test articles use in the smokeless tobacco and extract rodent feeding toxicology studies.

APPENDIX C: INDIVIDUAL ANIMAL DATA

Table C-1. Individual Animal Clinical Abnormalities – Males

Group	Animal ID	Observation	Observed			
			First Day	Last Day	Interval	Total Number
CM	107	Abrasions, Body Ventral	273	273	1	1
	107	Alopecia, Body Ventral	280	280	1	1
	107	Tissue Mass, Body Ventral	252	266	15	3
	108	Alopecia, Ear	119	189	71	11
	108	Alopecia, Head	196	365	170	26
	111	Abrasions, Body Dorsal	280	329	50	8
	111	Ulceration, Body Dorsal	336	366	31	6
	119	Alopecia, Body Lateral	266	366	101	16
	307	Red Eye Discharge	280	365	86	13
	307	Laceration, Eye Region	273	273	1	1
B0.2M	308	Abrasions, Tail	287	308	22	4
	311	Abrasions, Foot	280	329	50	8
	311	Ulceration, Foot	336	366	31	6
	312	Abrasions, Foot	329	329	1	1
	312	Ulceration, Foot	336	366	31	6
	314	Abrasions, Foot	329	329	1	1
	314	Ulceration, Foot	336	366	31	6
	318	Alopecia, Body Dorsal	315	366	52	9
	318	Hunched Posture	287	287	1	1
	318	Pale	287	287	1	1
B2M	318	Rough Coat	287	308	22	4
	318	Labored Respiration	287	287	1	1
	318	Red Nasal Discharge	287	287	1	1
B5M	413	Alopecia, Forelimb	336	366	31	6
	511	Alopecia, Forelimb	210	366	157	24
	512	Alopecia, Body Lateral	280	366	87	14
	512	Alopecia, Body Ventral	322	366	45	8
	512	Alopecia, Head	238	273	36	6
	512	Alopecia, Shoulder	238	366	129	20

Table C-1. Individual Animal Clinical Abnormalities – Males

Group	Animal ID	Observation	Observed			
			First Day	Last Day	Interval	Total Number
B5M	516	Alopecia, Body Ventral	1	7	7	2
	516	Alopecia, Ear	14	28	15	3
	516	Alopecia, Foot	1	7	7	2
	516	Alopecia, Shoulder	1	7	7	2
E0.2M	520	Red Eye Discharge	168	366	199	24
	603	Ulceration, Foot	329	365	37	7
	605	Abrasion, Head	147	168	22	4
	605	Abrasion, Hindlimb	315	315	1	1
	605	Laceration, Head	175	189	15	3
	605	Laceration, Shoulder	196	196	1	1
	605	Ulceration, Hindlimb	322	365	44	8
	606	Abrasion, Hindlimb	329	350	22	4
	606	Laceration, Shoulder	182	217	36	6
	619	Alopecia, Body Ventral	98	366	269	40
E2M	620	Alopecia, Foot	112	161	50	8
	704	Abrasion, Head	182	196	15	3
	709	Red Eye Discharge	231	364	134	19
	712	Abrasion, Hindlimb	322	329	8	2
E5M	712	Ulceration, Hindlimb	336	366	31	6
	815	Abrasion, Body Lateral	315	322	8	2
	815	Alopecia, Shoulder	217	366	150	23
	815	Tissue Mass, Body Dorsal	336	364	29	5
	815	Ulceration, Body Dorsal	366	366	1	1

Table C-2. Individual Animal Clinical Abnormalities – Females

Group	Animal ID	Observation	Observed			
			First Day	Last Day	Interval	Total Number
CF	1113	Alopecia, Neck	329	367	39	7
	1120	Red Eye Discharge	301	322	22	3
B0.2F	1306	Abrasion, Head	56	91	36	6
	1403	Alopecia, Body Dorsal	357	366	10	3
	1407	Alopecia, Neck	315	366	52	9
	1408	Alopecia, Body Lateral	70	366	297	44
B2F	1408	Alopecia, Neck	84	366	283	42
	1410	Alopecia, Neck	70	161	92	14
	1411	Alopecia, Neck	140	161	22	4
	1411	Alopecia, Shoulder	105	217	113	17
	1420	Thin Appearance	168	168	1	1
	1504	Ulceration, Body Dorsal	343	366	24	5
	1508	Abrasion, Shoulder	70	98	29	5
B5F	1508	Alopecia, Shoulder	105	154	50	8
	1515	Alopecia, Body Dorsal	357	367	11	3
	1517	Alopecia, Neck	287	367	81	13
	1517	Alopecia, Shoulder	189	189	1	1
	1518	Alopecia, Body Dorsal	161	189	29	5
	1518	Alopecia, Neck	259	367	109	17
	1518	Alopecia, Shoulder	259	367	109	17
	1607	Alopecia, Body Dorsal	336	366	31	6
	1607	Alopecia, Foot	140	266	127	19
	1607	Alopecia, Forelimb	189	366	178	27
E0.2F	1607	Alopecia, Hindlimb	329	366	38	7
	1607	Alopecia, Neck	301	366	66	11
	1608	Alopecia, Head	322	366	45	8
	1608	Alopecia, Neck	336	366	31	6
	1609	Alopecia, Neck	329	366	38	7

Table C-2. Individual Animal Clinical Abnormalities – Females

Group	Animal ID	Observation	Observed			
			First Day	Last Day	Interval	Total Number
E0.2F	1619	Alopecia, Body Dorsal	343	367	25	5
	1705	Alopecia, Body Dorsal	252	366	115	18
	1705	Alopecia, Body Ventral	301	366	66	11
	1705	Alopecia, Forelimb	287	366	80	13
	1705	Alopecia, Hindlimb	322	366	45	8
	1710	Alopecia, Head	84	366	283	42
	1710	Alopecia, Shoulder	98	112	15	3
	1711	Alopecia, Head	70	273	204	30
	1712	Alopecia, Body Dorsal	357	367	11	3
	1714	Ulceration, Tail	315	367	53	9
E2F	1716	Alopecia, Body Lateral	14	91	78	12
	1716	Alopecia, Body Ventral	14	49	36	6
	1716	Alopecia, Foot	14	91	78	12
	1716	Alopecia, Shoulder	7	49	43	7
	1718	Alopecia, Shoulder	42	98	57	9
	1720	Alopecia, Forelimb	196	367	172	26
	1720	Rough Coat	259	266	8	2
	1801	Alopecia, Body Dorsal	189	196	8	2
	1802	Tissue Mass, Body Ventral	168	351	184	28
	1806	Abrasion, Tail	147	175	29	5
E5F	1808	Alopecia, Body Dorsal	322	322	1	1
	1809	Pale	353	353	1	1
	1809	Prolapsed Vagina	353	353	1	1
	1810	Red Eye Discharge	315	366	52	9

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	ID	Day									
		-11	1	7	14	21	28	35	42	49	56
CM	101	124.1	179.2	208.1	243.2	263.7	280.4	290.7	301.3	309.5	316.7
	102	82.4	132.0	177.0	216.3	241.4	265.2	280.8	295.5	309.1	314.3
	103	98.9	149.3	179.5	207.4	230.7	247.3	258.8	269.3	282.7	291.3
	104	104.4	173.8	211.1	247.1	274.1	295.7	308.7	321.9	341.0	346.1
	105	94.3	159.0	202.2	249.3	285.2	311.2	337.2	357.7	372.2	384.7
	106	118.9	168.2	204.7	231.9	257.6	277.3	291.6	306.9	316.3	325.7
	107	83.1	137.7	173.9	212.9	254.1	280.7	306.6	322.8	340.0	342.0
	108	113.0	169.7	203.1	232.6	265.1	281.2	290.7	304.6	321.2	331.5
	109	86.6	141.4	171.9	213.9	249.9	278.5	288.2	308.4	324.5	339.1
	110	119.6	173.0	200.8	233.2	256.6	274.6	287.7	308.5	325.1	331.8
	111	91.5	147.2	183.9	225.4	263.6	291.1	312.8	326.2	348.3	356.4
	112	109.1	171.4	210.2	245.0	272.7	291.3	309.3	324.1	337.7	348.3
	113	90.2	151.9	186.2	225.7	267.4	293.6	311.1	328.5	345.5	349.8
	114	113.4	175.5	210.2	247.4	278.6	300.0	318.0	333.2	342.2	355.1
	115	107.2	159.3	193.2	227.8	257.8	280.2	300.2	315.7	336.5	350.1
	116	79.7	140.7	173.9	214.3	251.9	269.7	278.7	289.3	303.3	313.3
	117	114.9	175.3	212.2	247.2	284.4	306.8	322.8	340.0	357.4	364.9
	118	127.0	182.4	219.7	245.3	274.9	290.8	309.0	318.9	336.1	344.0
	119	96.7	164.1	203.0	240.0	274.7	295.7	314.5	326.9	338.7	351.9
	120	102.1	153.8	183.0	217.0	246.8	258.6	267.9	279.7	290.5	298.9
B0.2M	301	84.3	136.6	170.0	205.4	240.0	262.4	277.4	287.9	299.0	307.6
	302	113.0	175.5	212.0	244.6	274.0	295.5	314.8	325.6	339.7	341.6
	303	123.0	171.8	198.9	229.9	251.1	268.3	277.1	295.4	300.7	303.3
	304	105.4	170.0	207.6	247.2	285.8	312.8	334.4	353.6	370.7	370.3
	305	125.0	181.8	214.2	236.1	261.1	274.9	275.4	286.2	298.3	299.8
	306	101.5	160.6	198.3	238.0	271.7	294.0	319.8	339.5	356.7	370.3
	307	93.6	147.0	177.5	207.4	236.4	254.4	269.6	282.2	293.5	297.4
	308	97.4	156.4	195.0	240.2	281.1	310.7	333.2	346.1	366.1	372.2

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	ID	Day									
		-11	1	7	14	21	28	35	42	49	56
B0.2M	309	109.7	169.1	202.6	231.5	263.5	283.9	298.2	318.1	324.5	338.9
	310	116.8	170.8	200.1	231.5	259.5	275.5	295.8	315.9	326.7	336.8
	311	79.7	132.1	159.3	190.6	217.2	236.4	256.0	270.2	283.5	287.4
	312	112.4	172.9	208.3	244.7	278.0	298.7	310.7	327.3	335.9	349.2
	313	96.6	153.5	186.6	218.4	246.2	265.0	281.9	298.9	307.0	308.4
	314	82.9	145.7	182.0	222.2	263.3	284.2	306.2	320.8	332.2	338.6
	315	85.1	145.7	177.6	214.9	256.0	282.4	304.6	330.2	341.5	352.2
	316	106.9	164.3	198.4	239.3	271.5	302.2	322.3	340.8	353.3	359.1
	317	90.0	145.7	180.0	214.0	244.4	262.7	281.3	288.7	300.8	301.9
	318	103.5	171.5	211.5	244.2	277.9	306.7	322.8	338.4	351.6	365.5
	319	115.8	180.6	216.5	256.4	293.5	316.6	328.2	344.6	359.2	375.3
	320	121.8	181.6	209.5	233.9	255.1	267.7	276.1	294.2	315.5	326.4
B2M	401	105.6	170.0	204.4	247.6	278.1	309.5	318.6	344.7	353.2	365.8
	402	103.5	174.2	208.8	251.7	280.1	307.7	307.1	333.9	334.4	340.3
	403	111.6	154.2	185.2	220.0	257.1	266.9	289.0	299.4	313.0	323.8
	404	98.2	175.6	210.3	245.3	277.0	293.0	309.0	327.7	343.9	359.3
	405	81.7	135.6	163.7	192.9	216.5	233.6	244.3	264.0	277.0	290.8
	406	93.2	149.2	177.4	210.1	240.9	256.7	272.8	285.7	294.9	303.8
	407	80.4	144.9	176.7	216.5	246.5	272.7	288.2	311.8	329.2	338.1
	408	128.4	193.1	223.5	260.4	290.4	308.3	322.4	338.4	343.7	354.7
	409	115.9	181.0	212.1	246.2	279.2	302.4	320.4	336.3	322.1	353.6
	410	86.6	143.7	172.0	208.3	238.3	255.3	275.1	288.2	268.3	301.8
	411	96.4	175.8	214.8	251.8	284.1	302.9	316.4	329.2	342.3	358.5
	412	101.2	152.6	180.9	209.0	225.6	248.2	256.9	272.7	279.8	296.5
	413	109.0	168.3	201.3	240.2	272.9	294.7	310.0	328.4	344.7	348.0
	414	109.2	161.7	190.5	218.6	245.9	262.1	275.1	285.3	296.9	303.6
	415	83.3	131.4	161.7	198.9	230.8	259.3	276.9	299.5	316.4	325.8
	416	113.6	165.5	201.8	230.9	260.2	285.5	296.9	308.6	326.4	341.4

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	ID	Day									
		-11	1	7	14	21	28	35	42	49	56
B2M	417	115.5	170.3	198.7	231.8	260.0	278.5	287.9	297.6	312.6	320.4
	418	89.8	149.1	178.3	216.0	251.8	272.9	288.7	310.7	324.4	340.4
	419	122.1	182.4	212.7	241.0	264.8	281.0	283.1	293.8	303.3	315.4
	420	121.7	175.3	205.3	242.4	261.7	273.6	291.2	308.4	318.4	326.8
B5M	501	84.4	142.2	169.1	206.3	237.5	249.3	275.9	292.0	301.3	308.6
	502	113.1	174.7	207.6	247.5	287.1	304.9	332.7	345.8	364.4	377.8
	503	120.5	177.7	198.6	218.3	235.7	241.9	251.4	260.6	271.1	277.3
	504	119.1	185.9	221.9	260.5	302.5	333.1	356.7	380.5	400.9	413.5
	505	91.4	146.4	177.0	204.6	226.8	241.4	255.9	265.5	281.6	294.0
	506	126.2	183.0	211.0	243.3	268.3	289.5	306.7	326.6	334.0	345.9
	507	110.4	166.0	191.4	222.4	250.0	271.4	283.3	294.7	307.5	318.4
	508	80.9	139.9	169.8	210.3	250.4	281.5	299.9	323.9	334.8	344.1
	509	88.4	150.8	180.1	214.0	245.5	263.9	277.6	293.5	309.7	317.5
	510	98.9	160.8	192.1	227.3	262.7	289.7	307.3	330.9	347.7	365.0
	511	89.5	151.4	179.9	216.2	255.4	276.0	291.4	302.9	310.8	321.9
	512	107.3	165.4	194.8	226.9	261.3	275.0	283.3	292.6	301.7	312.2
	513	105.1	151.0	179.5	202.9	220.6	238.8	251.0	254.8	263.7	264.8
	514	112.1	173.4	199.0	230.4	262.7	286.5	302.5	318.6	336.3	338.2
	515	97.3	146.3	174.3	200.9	224.3	248.5	263.1	280.0	289.7	300.3
	516	122.2	176.4	200.1	226.3	250.0	268.3	276.1	285.4	291.8	298.0
	517	94.7	143.1	169.0	190.2	211.3	222.4	233.0	242.7	255.9	262.0
	518	81.6	149.7	180.2	214.1	241.6	259.1	272.3	286.4	301.9	306.4
	519	103.6	172.0	196.7	237.0	265.4	290.4	308.7	327.4	342.0	351.5
	520	114.5	172.5	193.4	221.7	246.6	267.7	283.7	295.2	304.3	310.5
E0.2M	601	103.4	163.0	194.0	222.1	244.6	262.3	276.2	285.8	301.6	302.9
	602	83.5	144.5	178.4	213.4	243.3	266.3	288.6	302.2	315.8	332.0
	603	80.9	135.7	169.3	211.9	246.2	266.9	285.2	295.0	307.4	314.1
	604	86.2	136.9	169.6	208.8	250.7	275.8	301.2	319.1	336.4	344.8

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	ID	Day									
		-11	1	7	14	21	28	35	42	49	56
E0.2M	605	128.7	190.8	222.1	247.9	269.7	288.0	299.5	319.0	330.9	335.5
	606	121.8	178.6	219.7	251.1	282.7	307.8	324.2	343.4	356.5	365.5
	607	81.3	135.3	168.4	197.4	214.9	229.3	233.0	244.9	258.5	270.3
	608	119.4	175.7	208.7	241.6	272.3	293.2	305.1	323.6	337.7	345.9
	609	124.0	192.3	231.4	269.3	307.3	336.3	359.7	373.1	396.5	410.5
	610	108.9	174.4	211.3	248.3	280.2	307.9	323.4	334.9	350.5	357.2
	611	115.8	178.2	213.3	248.9	281.5	310.1	325.3	335.1	349.6	364.2
	612	109.2	173.1	209.8	242.6	263.6	289.2	313.6	328.5	351.1	363.9
	613	105.7	158.3	188.6	223.6	253.1	267.0	283.3	294.6	305.7	328.8
	614	98.2	157.8	195.3	239.9	273.1	298.0	315.4	326.9	337.3	343.9
	615	111.7	154.7	182.1	212.3	233.7	252.6	272.2	291.3	301.9	303.8
	616	100.4	150.0	176.0	199.1	215.2	229.2	243.1	253.9	265.2	268.2
	617	95.8	149.5	180.9	215.3	237.5	249.8	260.8	272.5	288.9	290.3
	618	92.8	152.2	185.6	219.6	253.7	281.8	297.3	311.1	328.3	337.6
	619	88.6	144.3	174.8	214.6	243.2	260.4	276.7	290.3	304.6	312.4
	620	113.8	173.4	203.0	236.1	269.5	294.9	314.2	332.2	353.0	368.0
E2M	701	89.5	153.8	183.9	218.3	258.8	281.2	296.3	317.0	332.2	340.2
	702	114.9	172.2	209.8	243.3	272.0	285.9	302.8	317.7	332.0	340.1
	703	81.2	148.3	180.9	214.8	239.1	254.5	269.0	279.8	295.6	302.9
	704	120.7	186.3	222.6	253.4	285.0	306.4	327.1	343.2	359.4	367.3
	705	105.5	159.8	192.7	218.9	241.1	260.0	274.1	284.1	293.3	297.4
	706	108.6	164.2	199.3	232.8	263.8	283.8	303.9	313.2	321.4	329.4
	707	84.9	140.2	171.0	216.4	251.0	279.0	230.2	263.1	314.2	332.5
	708	93.9	150.2	180.3	216.3	251.6	279.2	230.4	283.1	302.4	320.5
	709	99.5	147.0	175.6	199.0	221.4	238.0	253.2	266.3	276.7	281.2
	710	112.3	173.0	206.0	240.1	266.5	286.3	297.2	316.0	326.4	333.6
	711	84.2	145.6	185.6	223.0	256.9	279.0	286.9	299.6	314.3	322.4
	712	125.9	185.4	218.3	242.7	267.1	281.0	291.2	302.5	316.3	325.2

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	ID	Animal Day									
		-11	1	7	14	21	28	35	42	49	56
E2M	713	119.5	177.0	210.2	242.3	269.7	283.5	306.0	316.2	321.8	339.3
	714	81.7	137.6	168.9	203.3	233.7	253.8	274.5	289.2	299.6	315.3
	715	122.3	184.3	224.0	260.5	288.9	310.3	329.4	344.0	360.0	375.1
	716	98.3	159.3	191.5	222.4	253.3	268.4	291.2	306.4	325.0	341.4
	717	92.6	140.8	164.6	190.6	211.6	228.1	241.0	258.0	270.7	278.1
	718	113.1	169.1	198.0	225.8	246.1	265.3	277.5	280.6	291.2	306.0
	719	103.3	159.3	185.7	214.1	228.7	248.6	251.6	253.3	263.0	278.1
	720	111.1	171.8	201.1	229.4	240.4	256.6	266.3	268.6	270.8	282.6
E5M	801	115.8	173.3	202.2	230.7	251.5	266.2	285.0	297.6	301.8	303.9
	802	91.3	151.6	181.1	213.5	242.1	265.3	274.1	287.7	295.6	298.2
	803	111.0	174.6	208.0	247.1	275.8	295.8	316.5	331.5	340.1	351.3
	804	119.5	173.3	211.7	253.8	282.8	314.7	338.8	357.5	371.6	385.6
	805	113.5	177.0	203.1	232.6	260.5	282.5	294.4	305.9	313.1	330.5
	806	101.9	154.6	180.4	201.4	218.7	235.0	245.4	257.0	265.4	274.5
	807	111.4	161.6	193.4	219.3	241.7	253.8	264.7	283.3	289.2	302.2
	808	84.7	141.3	169.2	208.9	237.5	266.2	294.3	311.4	327.7	341.9
	809	104.6	157.7	178.1	204.6	227.7	247.5	259.6	269.5	273.7	275.9
	810	98.6	159.5	183.1	219.3	239.8	252.0	260.5	272.7	278.8	289.5
	811	129.0	187.8	221.9	253.3	277.5	298.6	311.9	324.1	331.4	347.2
	812	96.4	164.9	197.6	235.4	256.9	274.9	283.9	300.4	309.0	319.5
	813	92.3	155.3	185.1	222.5	259.8	280.5	298.4	316.4	322.7	334.5
	814	82.0	154.0	182.5	226.6	262.6	286.0	302.5	302.5	333.8	346.1
	815	123.2	188.0	223.5	267.0	302.1	337.2	363.9	383.0	395.7	408.5
	816	108.3	169.5	206.6	248.1	277.1	296.5	314.1	328.5	344.0	355.6
	817	119.7	181.6	215.0	248.8	275.6	290.4	309.1	320.6	336.1	350.5
	818	79.8	143.8	170.2	211.3	244.3	267.0	280.9	290.4	301.9	312.5
	819	83.5	136.7	163.3	193.3	226.7	250.7	267.4	287.6	291.2	297.9
	820	97.7	152.5	178.4	210.6	232.3	243.7	250.1	267.7	280.7	284.2

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal ID	Day									
		63	70	77	84	91	119	147	175	203	231
CM	101	325.3	329.3	341.3	340.1	343.9	352.9	373.2	372.1	378.4	402.5
	102	324.4	337.6	348.6	355.3	362.8	371.7	390.8	397.1	404.3	412.0
	103	300.8	308.6	318.9	320.6	321.5	333.1	349.3	353.3	360.9	370.0
	104	354.1	366.9	379.0	380.0	387.3	405.5	429.6	434.0	443.5	463.0
	105	397.8	415.5	430.3	436.7	439.9	473.2	491.6	513.8	547.0	563.8
	106	330.6	333.1	347.6	351.5	353.3	375.7	389.7	395.1	416.2	434.0
	107	355.6	371.6	383.5	386.0	398.3	417.9	437.2	449.5	457.4	470.0
	108	330.3	332.5	349.0	360.2	373.5	401.5	418.7	428.2	436.7	443.6
	109	342.2	356.0	366.4	370.1	378.4	385.6	414.5	419.5	428.4	433.9
	110	343.8	349.8	360.4	367.6	379.9	399.6	420.9	432.0	438.1	450.1
	111	371.2	383.6	397.1	401.5	411.8	420.8	457.6	463.0	477.9	494.3
	112	357.3	362.3	366.7	373.6	379.3	394.9	414.3	416.3	435.6	440.7
	113	354.5	367.6	376.1	387.7	393.4	417.5	439.8	460.8	472.2	488.5
	114	363.0	365.7	377.9	382.4	390.7	411.3	425.2	443.7	452.9	464.1
	115	358.9	371.0	381.3	380.4	389.0	406.6	428.2	449.2	447.9	464.9
	116	324.0	331.3	343.8	348.7	354.0	373.1	388.5	403.3	410.9	430.7
	117	379.2	391.1	394.8	399.7	402.0	426.3	444.9	464.6	467.5	481.6
	118	356.9	363.9	373.4	374.7	379.9	393.8	405.9	418.3	426.4	430.7
	119	369.0	378.2	386.6	391.5	395.4	418.3	438.5	457.1	469.9	482.2
	120	308.4	314.6	323.6	330.2	340.0	364.7	381.2	398.1	409.1	429.1
B0.2M	301	322.7	329.5	340.9	348.6	361.0	379.3	399.5	407.7	422.6	432.7
	302	348.7	357.5	366.2	373.5	383.3	400.8	414.9	414.6	422.0	442.7
	303	313.6	324.4	334.7	336.7	348.9	361.0	389.1	391.8	403.7	422.2
	304	378.2	386.0	402.7	405.1	409.4	442.1	475.4	490.5	510.4	529.6
	305	307.0	313.2	319.9	327.6	326.2	335.6	356.3	361.4	363.6	378.9
	306	381.5	395.1	408.7	424.1	429.2	453.0	479.2	488.3	505.2	520.3
	307	310.3	319.3	328.0	332.2	336.0	352.8	365.6	369.5	372.7	382.8
	308	386.0	393.1	404.4	404.6	409.4	418.3	440.3	452.0	466.5	479.9

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	ID	Day									
		63	70	77	84	91	119	147	175	203	231
B0.2M	309	352.5	360.7	367.9	369.3	375.7	383.4	404.5	417.3	429.7	442.5
	310	349.8	355.4	366.9	369.5	374.1	392.6	412.8	417.0	427.7	451.3
	311	291.7	298.1	308.2	314.9	322.1	351.0	365.3	373.2	380.4	400.5
	312	362.1	378.3	386.2	386.3	393.8	411.9	431.1	446.0	459.0	471.3
	313	315.9	320.8	331.7	336.7	339.8	353.0	387.2	386.4	389.4	405.5
	314	346.0	351.2	354.2	355.3	367.2	374.1	394.9	399.5	408.8	415.1
	315	367.0	381.4	394.0	403.8	406.8	432.2	454.4	455.2	475.3	487.0
	316	367.2	382.1	390.1	402.7	405.1	419.8	439.2	452.3	462.3	477.7
	317	307.8	318.6	329.0	328.6	333.9	354.4	364.4	383.0	399.8	402.8
	318	371.5	379.3	392.7	395.6	402.0	413.7	430.6	440.6	437.3	452.5
B2M	319	393.4	404.6	415.6	423.8	431.1	446.7	473.8	476.5	491.7	504.7
	320	340.6	352.8	364.6	369.2	373.7	389.4	423.2	417.4	422.5	447.9
	401	373.9	386.9	396.2	400.6	404.5	431.9	455.2	441.4	456.0	482.4
	402	352.9	364.5	372.9	382.0	386.3	417.7	428.9	423.4	451.5	455.9
	403	324.1	331.2	340.8	341.8	345.2	368.0	384.7	385.8	402.7	407.9
	404	363.4	372.5	377.5	383.2	396.3	407.3	426.8	427.6	437.7	458.1
	405	301.9	308.6	315.0	315.5	321.9	359.9	377.7	384.4	386.0	400.2
	406	314.2	321.2	329.0	331.6	336.8	357.5	378.8	381.5	398.9	407.8
	407	347.2	357.7	371.7	377.3	384.7	395.8	421.2	430.7	434.8	453.5
	408	364.8	366.2	374.9	380.9	394.7	407.6	426.8	443.8	461.9	473.6
B2M	409	372.2	381.1	395.7	399.4	413.8	440.0	471.6	494.8	521.8	540.2
	410	310.4	317.8	324.2	328.4	336.4	358.5	373.5	390.9	403.1	417.2
	411	366.7	378.4	391.4	392.4	403.5	422.3	437.8	450.1	467.9	486.6
	412	303.6	313.7	321.2	328.1	334.4	358.6	360.0	367.5	377.3	391.5
	413	352.3	358.6	368.4	367.5	371.8	405.2	419.7	416.1	439.4	445.7
	414	308.5	318.4	327.2	329.6	338.4	358.1	375.7	367.6	386.9	407.0
	415	333.2	351.0	348.2	350.3	355.6	386.0	414.7	425.0	436.2	458.7
	416	347.3	340.7	360.7	361.0	361.2	387.4	392.3	406.2	416.5	418.6

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	ID	Animal		Day							
		63	70	77	84	91	119	147	175	203	231
B2M	417	331.2	340.8	349.5	355.1	359.5	375.7	389.4	396.9	402.0	418.1
	418	354.3	362.7	371.3	380.0	385.8	408.4	424.4	428.9	442.1	460.1
	419	327.3	334.7	339.0	345.0	347.8	359.2	374.4	391.4	392.7	407.3
	420	339.8	346.0	355.3	360.5	368.1	390.5	419.0	440.9	462.7	480.6
B5M	501	318.4	328.0	339.2	345.3	352.4	372.9	396.6	406.5	416.7	430.4
	502	386.8	394.2	408.6	412.0	422.9	439.7	455.8	458.5	469.4	478.8
	503	283.0	287.2	293.0	300.9	305.6	317.1	330.9	340.2	352.9	359.1
	504	413.3	428.2	441.9	452.1	457.2	476.2				
	505	298.9	299.6	309.5	313.8	321.3	345.9	357.6	366.0	368.1	377.2
	506	360.9	371.8	379.3	382.0	385.4	414.9	429.0	446.9	461.7	477.2
	507	325.5	334.0	337.4	340.0	346.0	356.4	382.0	377.0	378.9	393.6
	508	353.2	365.6	375.9	380.4	377.4	415.4	434.7	435.2	444.6	458.9
	509	333.1	338.3	347.9	356.2	361.3	375.1	406.5	411.6	426.4	442.1
	510	374.3	386.4	396.5	408.1	419.4	443.9	468.6	470.4	480.6	497.3
	511	326.1	328.3	341.7	344.9	354.6	378.0	396.3	408.6	431.4	440.2
	512	311.3	318.7	336.6	330.5	329.9	334.5	359.2	372.0	374.1	392.8
	513	272.2	277.2	245.0	284.7	293.7	317.1	328.2	344.2	358.1	364.6
	514	344.0	353.7	323.0	365.4	379.7	403.8	422.7	427.6	431.7	453.6
	515	308.7	311.5	319.4	325.1	328.4	347.6	366.2	375.2	383.3	395.9
	516	304.9	311.5	320.6	323.2	325.9	346.1	358.2	376.3	380.9	390.7
	517	265.9	267.3	272.6	269.6	271.6	288.1	303.4	305.0	304.8	316.4
	518	315.4	327.2	337.1	341.2	344.9	361.5	378.5	378.4	391.4	401.3
	519	362.9	370.4	379.2	389.7	398.4	429.9	452.9	456.1	462.7	482.9
	520	320.5	323.6	331.5	336.5	344.3	353.1	370.7	372.6	374.4	391.0
E0.2M	601	316.1	321.5	332.3	335.8	337.8	349.6	375.2	374.9	385.4	404.3
	602	348.8	357.1	367.0	378.7	377.2	406.7	429.2	441.2	446.6	463.8
	603	322.5	329.3	340.0	353.4	361.2	394.5	410.6	437.9	445.8	472.0
	604	362.8	373.4	370.9	399.1	408.3	414.9	434.4	442.2	451.8	465.5

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal ID	Day									
		63	70	77	84	91	119	147	175	203	231
E0.2M	605	341.4	354.4	363.7	367.2	367.4	387.5	400.0	418.0	432.0	446.1
	606	373.7	379.5	395.6	396.6	397.7	416.4	432.3	439.3	430.8	459.7
	607	278.8	286.5	291.2	300.5	304.8	324.4	339.6	342.2	354.6	365.6
	608	360.8	372.2	383.3	387.5	385.9	403.1	418.8	422.4	437.1	458.3
	609	427.8	441.6	450.7	459.9	469.1	505.2	527.0	539.8	544.0	578.1
	610	368.6	379.0	397.0	397.2	400.9	426.6	435.9	449.0	451.9	484.5
	611	373.3	386.4	398.1	401.0	413.2	431.9	452.8	472.6	499.2	522.4
	612	375.2	389.9	393.7	401.4	408.4	434.3	444.6	456.6	473.1	489.2
	613	347.9	355.7	371.9	380.9	388.8	412.8	438.5	446.5	459.7	481.7
	614	352.2	360.4	373.6	375.4	389.6	411.5	426.6	440.5	458.4	470.5
	615	312.1	316.5	327.1	327.7	335.0	350.0	363.6	369.8	383.4	392.0
	616	273.0	281.6	297.9	302.5	305.6	327.8	339.3	354.3	367.5	373.2
	617	294.4	299.6	303.6	304.1	311.4	334.1	343.9	351.6	359.6	375.1
	618	349.1	359.7	369.1	371.6	373.9	408.6	420.8	431.2	434.5	454.3
	619	322.2	328.2	341.1	343.1	345.3	368.3	383.4	395.1	401.4	416.2
	620	381.6	384.1	395.9	400.9	407.0	429.0	440.8	446.1	456.1	476.6
E2M	701	349.6	358.0	370.6	375.4	382.2	395.1	413.3	429.6	437.2	457.7
	702	345.2	359.5	371.9	378.1	387.1	409.4	425.6	448.1	464.1	474.9
	703	312.3	324.2	335.7	343.6	352.9	378.6	384.6	412.6	420.1	439.7
	704	377.6	393.4	401.7	410.3	423.1	449.1	475.2	490.5	505.3	529.6
	705	307.8	319.8	324.4	329.1	334.5	346.6	359.7	354.9	363.0	364.0
	706	337.4	344.3	352.8	357.0	365.4	388.5	399.6	403.6	410.7	419.1
	707	357.5	365.0	379.8	381.4	389.7	417.8	446.9	459.8	482.1	488.0
	708	332.7	344.4	348.7	354.3	358.7	375.6	393.2	406.5	412.9	426.3
	709	290.5	298.0	303.7	308.2	319.4	333.4	346.7	359.2	364.6	382.1
	710	347.2	362.3	371.3	372.1	377.5	418.0	432.6	448.5	462.3	471.9
	711	337.1	343.0	350.2	355.7	362.5	387.0	392.4	409.8	414.0	426.4
	712	331.3	336.9	346.3	353.7	364.1	381.1	390.6	392.6	403.2	415.5

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	ID	Day									
		63	70	77	84	91	119	147	175	203	231
E2M	713	347.8	351.7	361.0	362.3	373.3	394.3	402.4	409.6	416.9	428.0
	714	328.9	340.7	345.8	350.2	354.5	371.1	400.1	415.0	420.8	438.6
	715	387.4	395.2	402.8	407.2	417.2	440.7	456.7	465.8	478.1	496.0
	716	356.2	362.1	377.7	381.8	391.8	413.0	427.5	421.9	429.3	449.7
	717	287.4	298.0	307.4	312.6	322.1	347.2	353.5	371.8	394.1	404.1
	718	311.2	317.1	325.0	329.0	341.1	354.4	368.1	368.6	375.4	386.4
	719	292.4	303.4	315.5	321.4	326.0	334.6	351.4	369.6	377.3	386.7
	720	291.8	297.7	300.9	310.8	321.1	332.2	349.1	365.1	377.7	393.2
E5M	801	313.3	319.5	331.0	336.4	344.3	359.0	364.6	376.1	381.0	398.1
	802	301.4	312.0	319.3	319.5	326.6	337.3	340.1	353.1	353.5	369.8
	803	358.8	371.7	373.0	377.8	387.0	404.7	421.0	431.6	440.0	455.8
	804	393.0	402.3	413.2	417.6	432.2	455.8	470.2	492.5	501.1	517.1
	805	341.5	347.0	353.4	353.0	362.2	370.8	388.5	393.8	408.1	423.5
	806	283.8	291.5	298.6	302.2	307.9	320.8	340.4	343.2	345.5	361.0
	807	311.2	314.1	318.9	323.1	327.9	343.2	353.5	354.0	353.6	365.8
	808	364.0	374.4	392.4	395.3	401.0	441.3	450.2	463.5	471.9	476.4
	809	275.8	286.1	295.6	301.4	310.1	322.7	341.2	345.7	349.0	361.8
	810	294.9	305.8	316.5	326.4	331.5	349.5	364.8	364.9	368.2	389.1
	811	364.6	376.3	379.5	380.5	393.0	411.4	423.2	425.8	444.7	456.0
	812	333.4	345.0	350.7	358.8	367.6	384.6	410.6	403.4	405.1	418.8
	813	346.3	352.9	360.1	366.3	377.3	388.4	396.5	413.1	420.1	436.6
	814	360.6	365.8	378.2	380.4	389.7	411.5	411.1	424.0	431.0	445.1
	815	424.0	439.5	450.4	454.4	462.2	488.4	500.2	506.0	508.2	520.0
	816	361.4	367.9	376.1	380.2	394.7	418.2	419.7	424.6	427.4	446.8
	817	357.5	366.5	370.7	369.3	376.4	390.2	400.7	407.5	412.6	421.2
	818	326.1	333.2	338.3	344.9	353.3	373.2	384.9	398.4	411.3	415.5
	819	305.9	316.5	328.8	327.7	334.4	354.3	363.8	374.9	383.3	399.2
	820	306.3	319.7	332.6	335.8	340.9	357.6	387.8	390.4	402.5	407.7

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal ID	Day			
		259	287	315	343
CM	101	408.1	414.6	420.6	428.1
	102	423.5	433.7	436.4	446.4
	103	384.4	393.7	389.4	405.8
	104	486.6	490.5	496.2	522.4
	105	576.9	589.5	603.2	616.6
	106	457.5	458.0	462.6	487.0
	107	475.4	491.2	503.4	506.2
	108	468.1	479.1	486.2	504.2
	109	449.4	457.9	459.6	472.6
	110	476.2	483.5	484.3	499.7
	111	506.7	528.9	536.0	547.0
	112	457.8	458.1	465.1	480.2
	113	502.1	516.5	522.2	532.5
	114	473.9	481.4	483.7	484.6
	115	477.7	486.7	495.7	504.9
	116	445.8	447.9	457.5	471.5
	117	507.2	520.2	526.9	535.3
	118	447.8	451.7	465.1	471.5
	119	496.1	501.7	512.3	516.0
	120	437.9	447.3	457.9	468.7
B0.2M	301	450.6	452.4	457.3	469.0
	302	452.3	465.1	459.2	481.1
	303	439.6	445.1	443.6	451.7
	304	558.9	575.3	598.9	622.0
	305	394.7	383.8	398.1	404.1
	306	524.7	533.0	543.0	559.0
	307	398.4	408.2	398.8	399.5
	308	500.6	499.2	513.9	527.1

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal ID	Day			
		259	287	315	343
B0.2M	309	462.2	465.2	465.0	476.1
	310	464.0	470.3	470.7	481.8
	311	409.6	421.7	436.3	434.3
	312	486.1	503.1	518.9	524.3
	313	426.0	440.3	444.8	458.2
	314	424.8	427.4	433.1	443.8
	315	497.0	510.1	515.3	520.6
	316	492.3	498.6	508.6	526.2
	317	413.6	415.1	427.6	433.3
	318	457.0	402.1	461.1	463.1
B2M	319	519.0	533.4	538.2	538.4
	320	461.4	476.3	486.6	484.0
	401	485.8	484.2	482.2	508.0
	402	459.6	452.9	445.0	472.1
	403	426.9	418.6	436.9	444.6
	404	477.6	470.3	477.8	487.2
	405	422.0	422.8	435.3	430.1
	406	421.3	437.1	453.7	452.3
	407	463.6	467.1	474.7	483.8
	408	492.4	503.9	502.5	518.7
	409	550.8	568.2	594.7	604.8
	410	431.8	439.7	451.6	461.3
	411	506.2	507.0	520.1	529.5
	412	411.0	424.1	428.7	435.4
	413	455.2	457.4	466.7	470.4
	414	418.8	424.6	425.9	430.3
	415	474.8	466.5	487.7	495.3
	416	437.7	444.1	457.2	470.6

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal ID	Day			
		259	287	315	343
B2M	417	429.9	437.2	446.1	455.1
	418	471.2	476.9	480.8	495.0
	419	412.6	426.8	427.8	442.3
	420	508.0	518.9	534.6	551.9
B5M	501	443.2	445.4	456.3	445.7
	502	492.6	497.6	507.9	517.1
	503	362.4	365.0	374.7	373.9
	504				
	505	391.6	403.2	412.3	416.7
	506	482.9	490.9	502.7	506.2
	507	406.0	409.8	407.7	417.1
	508	472.3	478.8	484.9	486.4
	509	456.2	466.0	473.6	488.3
	510	503.3	507.6	518.0	521.7
	511	444.1	446.4	453.4	464.5
	512	399.4	412.9	431.5	442.1
	513	371.7	378.8	382.0	388.1
	514	473.9	474.9	488.2	499.2
	515	408.5	411.7	431.5	436.7
	516	398.1	399.2	409.4	416.5
	517	326.8	326.4	334.6	340.5
E0.2M	518	415.2	415.0	427.2	432.7
	519	498.6	507.6	519.3	531.8
	520	399.8	408.2	414.0	421.9
	601	408.8	425.4	433.1	438.3
E0.2M	602	466.8	469.8	477.9	491.9
	603	495.8	491.7	516.8	525.7
	604	475.6	460.8	491.8	500.1

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal ID	Day			
		259	287	315	343
E0.2M	605	459.7	463.6	473.0	467.0
	606	474.8	468.3	475.0	488.1
	607	366.3	375.8	380.0	385.8
	608	461.1	461.9	476.5	477.6
	609	578.0	601.6	622.1	636.7
	610	487.8	500.0	504.6	505.8
	611	542.5	555.1	576.6	596.4
	612	506.5	508.5	515.3	518.6
	613	486.1	500.1	495.4	514.8
	614	480.0	485.7	442.5	509.4
	615	399.1	403.9	412.0	418.8
	616	392.7	393.5	389.9	410.0
	617	392.2	392.3	396.5	404.1
	618	470.1	490.1	491.6	496.2
	619	429.4	425.4	440.2	448.3
	620	490.2	490.5	505.7	510.4
E2M	701	460.9	473.9	476.1	485.7
	702	493.2	500.1	507.5	517.3
	703	453.2	457.7	468.4	477.0
	704	544.0	559.8	576.1	586.4
	705	379.5	376.1	382.7	388.3
	706	432.0	448.3	437.4	441.4
	707	507.9	512.3	504.7	527.5
	708	445.6	439.4	452.2	465.8
	709	391.5	393.1	406.9	406.7
	710	488.4	508.3	515.5	524.0
	711	440.1	441.3	446.5	453.3
	712	428.2	432.6	436.6	437.1

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal ID	Day			
		259	287	315	343
E2M	713	437.3	438.5	449.5	457.4
	714	451.3	453.8	462.2	462.2
	715	508.9	523.9	530.0	532.8
	716	456.8	461.2	466.9	459.5
	717	422.3	425.3	424.7	452.2
	718	398.5	392.7	398.9	409.7
	719	409.2	414.8	415.0	430.5
	720	398.6	402.0	414.3	422.2
E5M	801	418.2	426.7	427.5	439.3
	802	385.3	382.9	390.2	399.5
	803	464.8	465.4	472.1	478.3
	804	532.5	541.0	556.9	563.0
	805	434.3	436.0	450.5	454.6
	806	375.6	383.5	386.4	395.3
	807	378.4	387.2	390.4	399.6
	808	497.2	513.9	519.5	527.9
	809	377.0	384.2	383.8	391.6
	810	411.4	413.6	419.8	420.3
	811	469.8	473.4	483.5	493.7
	812	442.7	457.8	459.9	470.2
	813	452.2	456.6	457.6	467.0
	814	450.7	453.2	456.5	465.6
	815	535.8	545.3	554.9	573.4
	816	470.2	486.4	500.2	508.4
	817	440.2	450.6	455.7	452.8
	818	433.3	443.5	448.6	465.4
	819	409.1	414.6	416.4	432.4
	820	428.6	450.7	443.0	458.5

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	ID	Day									
		-12	1	7	14	21	28	35	42	49	56
CF	1101	91.9	131.1	142.0	163.5	172.0	178.6	195.3	202.5	203.2	202.5
	1102	100.0	139.6	159.6	173.0	186.2	196.7	202.0	209.1	215.0	220.5
	1103	118.1	153.0	164.0	174.2	183.5	184.7	196.5	201.0	202.4	212.9
	1104	109.0	142.5	154.8	169.5	180.0	186.9	199.1	203.8	207.2	210.1
	1105	76.0	120.0	136.4	148.1	166.2	174.0	182.9	182.9	193.7	203.5
	1106	71.0	119.4	129.4	156.3	171.8	181.7	185.3	204.6	207.6	213.4
	1107	112.3	146.5	155.3	166.4	173.9	180.2	194.7	201.3	202.5	200.7
	1108	83.2	131.7	148.5	163.3	175.2	182.1	194.3	197.7	206.2	206.4
	1109	78.7	109.7	122.7	141.9	152.1	161.1	168.3	174.5	181.1	182.1
	1110	81.5	127.6	144.9	158.1	171.5	182.6	192.6	198.0	203.5	215.3
	1111	87.8	137.6	145.9	165.3	176.5	186.6	189.1	189.9	204.5	211.5
	1112	104.5	147.4	162.2	186.2	196.2	203.6	210.1	219.3	227.4	230.5
	1113	77.9	122.4	142.2	155.9	167.7	178.8	186.4	187.0	190.8	199.1
	1114	105.6	143.4	163.2	177.2	186.3	204.9	215.9	220.0	218.6	231.1
	1115	97.6	145.1	159.3	168.6	180.6	198.8	207.9	214.4	210.1	215.9
	1116	82.6	124.9	138.4	156.6	166.5	174.1	179.0	186.9	194.4	196.8
	1117	92.9	129.9	147.1	167.5	177.9	185.2	197.2	207.0	211.1	211.9
	1118	94.0	129.9	146.9	155.0	175.1	186.3	191.8	194.6	207.4	215.8
	1119	107.3	149.8	169.1	184.4	193.4	199.2	208.2	217.1	221.1	228.0
	1120	110.7	144.4	161.7	170.9	180.3	189.8	196.4	198.4	205.9	208.9
B0.2F	1301	81.9	129.7	139.0	154.7	161.2	185.5	191.2	198.0	200.3	205.7
	1302	79.3	119.6	139.3	155.3	174.8	187.6	191.8	198.2	203.3	210.1
	1303	69.7	116.6	126.8	148.3	164.3	176.8	181.6	192.5	195.3	200.4
	1304	96.1	135.6	154.4	176.0	191.0	203.8	205.5	214.7	218.9	224.4
	1305	83.1	126.4	139.3	157.4	169.0	176.3	183.5	190.5	195.6	197.7
	1306	102.5	140.8	156.5	175.5	186.0	190.2	199.7	206.4	207.5	209.6
	1307	95.8	131.7	146.2	158.5	166.3	172.7	179.1	177.6	183.5	192.8
	1308	108.0	143.3	156.0	176.1	185.8	190.4	204.9	211.0	211.3	212.6

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	ID	Day									
		-12	1	7	14	21	28	35	42	49	56
B0.2F	1309	104.9	145.5	148.5	172.8	185.8	190.1	179.0	209.6	207.6	216.1
	1310	112.4	145.0	164.8	174.2	182.9	192.2	196.3	203.9	207.3	212.6
	1311	118.9	157.8	170.3	177.6	195.2	205.7	203.8	206.5	215.5	224.7
	1312	110.0	139.3	160.2	169.0	181.4	188.0	187.4	196.1	201.7	203.3
	1313	76.5	125.4	140.8	158.5	170.3	187.7	190.4	195.9	203.1	210.5
	1314	93.0	125.2	164.4	175.1	182.6	180.9	201.0	209.8	208.2	211.8
	1315	101.9	134.4	139.3	160.9	169.1	167.9	182.2	185.3	188.5	195.2
	1316	107.4	143.4	157.3	173.3	184.2	187.6	202.0	206.6	208.5	208.2
	1317	73.2	114.9	130.0	144.4	157.3	163.5	165.3	174.4	176.9	180.2
	1318	85.8	127.6	146.0	154.9	170.7	184.2	187.9	194.0	198.1	206.3
B2F	1319	88.0	141.5	158.2	181.4	196.9	207.2	219.9	229.9	233.6	239.8
	1320	89.1	139.3	158.9	181.1	196.1	207.3	217.0	220.4	227.3	230.9
	1401	93.5	134.0	148.5	160.9	172.1	175.9	189.7	196.5	195.9	194.9
	1402	106.0	141.7	150.3	158.4	166.2	168.5	178.4	182.1	182.9	187.9
	1403	75.8	124.0	134.6	151.4	166.3	181.1	180.7	189.6	197.1	201.1
	1404	98.8	139.0	145.4	158.3	172.1	183.0	188.8	190.5	196.6	203.2
	1405	82.5	118.7	121.8	134.3	136.4	149.7	157.5	162.7	162.7	174.0
	1406	103.1	133.5	144.2	157.6	170.6	175.8	181.4	185.5	191.4	197.6
	1407	110.3	149.5	163.1	177.3	192.7	202.8	207.4	209.8	213.8	217.8
	1408	92.3	135.1	154.1	164.0	175.6	186.9	192.1	198.8	207.8	214.8
	1409	99.3	139.5	147.3	165.1	173.6	178.5	180.5	189.8	195.3	202.0
B2F	1410	86.9	129.7	139.1	157.5	164.2	171.4	173.2	183.0	189.5	196.2
	1411	105.7	146.8	158.8	170.4	180.9	184.9	196.9	205.8	206.2	204.3
	1412	78.3	137.9	159.7	177.3	190.3	205.2	209.8	216.3	222.0	236.5
	1413	69.7	115.9	121.6	144.6	156.0	165.5	179.1	187.7	189.2	188.6
	1414	77.9	118.3	132.8	149.5	161.6	174.2	178.3	187.2	189.8	193.3
	1415	90.7	130.2	142.2	157.5	170.9	176.6	176.7	183.9	191.4	189.5
	1416	112.2	134.1	146.4	160.2	165.3	167.4	180.9	182.8	189.6	196.1

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	ID	Day									
		-12	1	7	14	21	28	35	42	49	56
B2F	1417	117.5	160.5	171.5	183.5	195.5	204.2	212.9	219.6	226.8	230.1
	1418	109.4	136.7	149.4	166.9	177.5	172.4	183.9	192.1	194.0	189.3
	1419	81.7	125.2	131.4	148.7	163.0	171.0	176.5	182.2	189.5	195.2
	1420	86.3	120.9	135.9	146.1	159.1	164.4	170.3	178.4	184.7	186.7
B5F	1501	99.0	131.4	139.8	148.9	158.5	188.9	164.0	171.1	174.7	178.3
	1502	95.8	128.3	143.8	152.5	160.2	164.0	169.1	174.0	176.0	180.0
	1503	109.2	148.0	163.3	176.5	183.8	194.6	194.9	200.7	198.5	208.4
	1504	82.9	134.5	152.1	161.1	182.5	194.7	203.0	206.2	215.4	220.3
	1505	112.4	146.6	158.1	173.0	185.0	186.7	190.7	195.7	198.2	201.2
	1506	112.0	146.9	151.7	160.0	169.9	177.7	181.8	183.0	186.1	187.4
	1507	73.6	124.3	129.8	151.4	161.9	169.9	174.0	170.1	182.5	184.3
	1508	91.9	121.8	136.4	141.1	155.0	161.0	168.1	168.0	174.1	183.9
	1509	82.0	126.5	143.3	159.7	172.8	173.6	179.5	186.9	189.2	191.9
	1510	105.7	142.5	150.6	160.3	168.6	175.0	179.1	181.5	191.7	195.5
	1511	99.8	124.0	136.9	147.4	156.9	161.1	159.8	166.3	175.6	178.7
	1512	78.3	126.2	138.7	152.4	157.5	170.2	173.4	176.4	176.7	185.7
	1513	104.5	138.3	149.6	159.3	172.2	182.3	184.9	187.0	195.5	202.3
	1514	106.5	151.8	161.1	182.7	195.3	205.9	206.7	214.1	216.1	224.9
	1515	92.3	131.0	143.7	153.9	166.0	175.3	177.6	175.6	182.7	189.0
	1516	116.5	154.5	158.4	177.4	191.2	199.2	203.2	209.9	207.1	215.4
	1517	86.7	122.3	139.6	153.8	161.1	176.6	180.8	192.3	192.7	205.1
	1518	70.5	122.7	139.5	157.2	166.4	178.9	174.6	183.1	189.1	193.6
	1519	76.9	122.6	137.3	157.1	166.7	170.1	182.7	185.5	187.5	198.7
	1520	88.0	133.1	142.6	160.9	168.4	176.4	188.7	191.2	194.4	198.1
E0.2F	1601	77.6	122.5	138.1	155.7	166.9	177.3	179.4	186.5	195.0	196.6
	1602	105.0	141.2	157.1	166.7	181.8	185.8	185.6	195.1	199.2	205.5
	1603	80.7	126.9	143.7	159.0	173.3	185.5	185.6	196.0	198.5	204.7
	1604	79.4	133.2	150.5	164.6	186.5	195.1	202.3	202.6	214.3	220.6

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal ID	Day									
		-12	1	7	14	21	28	35	42	49	56
E0.2F	1605	86.8	137.2	155.4	171.5	175.5	189.1	193.8	194.8	211.2	208.6
	1606	92.7	136.4	149.4	164.2	173.6	173.9	189.8	196.5	202.4	199.6
	1607	103.5	149.7	166.2	188.9	206.0	217.7	224.1	240.1	244.0	249.5
	1608	106.3	144.8	162.3	178.2	188.1	200.9	213.7	217.9	214.4	224.8
	1609	71.0	128.4	137.9	161.3	174.8	172.5	184.0	195.1	191.8	203.7
	1610	109.9	147.8	163.2	177.8	192.0	199.7	210.7	216.1	220.1	222.4
	1611	116.9	153.2	158.7	180.7	189.3	182.9	199.0	208.8	202.1	210.2
	1612	85.3	132.2	150.5	166.8	176.5	184.4	191.1	193.3	198.8	200.7
	1613	99.1	140.9	160.1	179.4	192.3	201.5	207.6	212.5	218.2	216.1
	1614	89.3	137.0	154.5	173.6	186.7	196.3	198.9	205.6	212.6	215.3
	1615	82.4	129.5	145.5	171.4	187.2	197.4	198.0	211.0	215.9	219.0
	1616	94.7	135.0	148.4	167.2	179.2	184.7	184.4	195.0	203.9	208.9
E2F	1617	101.6	141.6	156.1	175.3	181.0	195.7	201.0	210.8	206.6	213.0
	1618	111.9	144.4	149.9	166.5	177.9	183.4	180.7	191.8	194.1	203.0
	1619	112.2	149.7	168.2	183.8	197.4	206.6	215.7	222.6	224.9	229.9
	1620	75.8	124.9	142.4	159.0	172.3	188.9	198.8	205.0	205.6	216.3
	1701	92.2	141.3	156.3	175.0	195.0	197.7	208.7	213.0	222.9	232.0
	1702	110.6	142.5	151.0	161.9	172.8	180.2	183.4	193.6	191.2	206.2
	1703	104.4	141.1	154.8	164.0	173.4	182.0	186.3	189.1	198.5	195.6
	1704	93.4	133.8	147.4	166.7	177.3	181.7	193.3	201.5	201.7	208.3
	1705	83.0	125.9	142.1	155.9	168.6	171.2	180.4	185.5	189.7	195.9
	1706	105.8	142.6	147.0	164.4	166.2	179.4	181.7	189.3	192.7	189.6
	1707	77.8	119.0	133.1	143.6	156.9	166.2	172.9	177.8	179.3	183.9
	1708	79.9	132.3	141.3	156.6	169.3	178.3	183.1	184.9	194.5	198.8
	1709	99.3	136.3	153.0	180.2	185.8	199.4	203.2	211.1	220.2	226.8
	1710	90.0	135.7	145.2	165.0	172.2	178.7	188.5	195.8	201.0	201.8
	1711	115.9	155.8	170.5	187.6	194.7	202.7	203.3	213.6	219.8	221.7
	1712	87.5	130.8	147.0	164.4	178.8	188.0	193.5	202.4	209.3	209.4

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	ID	Day									
		-12	1	7	14	21	28	35	42	49	56
E2F	1713	80.5	132.7	149.3	166.3	178.7	184.7	186.7	194.1	207.6	213.4
	1714	108.4	145.2	160.0	167.0	182.4	188.7	188.0	192.3	204.4	212.3
	1715	97.1	132.7	147.8	159.2	170.5	177.5	184.0	187.5	185.4	194.2
	1716	107.4	142.6	149.4	164.1	173.0	178.3	182.5	189.0	189.9	194.4
	1717	85.3	113.5	148.5	167.5	183.5	190.9	194.9	205.2	211.9	215.0
	1718	73.0	113.3	124.8	142.5	156.6	159.1	171.3	175.7	180.0	181.1
	1719	114.7	159.3	169.9	187.5	200.3	212.8	220.4	225.9	224.6	230.4
	1720	71.0	122.2	136.0	151.6	165.6	177.7	189.0	194.5	201.3	201.0
	1801	81.3	127.9	133.5	155.3	168.8	173.5	184.0	191.2	197.3	197.2
	1802	71.7	123.4	140.6	153.6	167.6	180.0	180.7	181.2	193.8	199.5
E5F	1803	112.0	151.7	165.0	177.1	183.7	191.1	200.3	200.3	203.8	211.7
	1804	117.6	153.6	165.5	175.5	187.9	194.9	197.8	198.3	207.6	213.9
	1805	105.8	146.2	156.1	178.3	190.8	198.7	206.9	210.0	211.6	215.2
	1806	76.3	121.4	132.6	146.1	155.3	162.9	169.8	176.4	177.8	184.5
	1807	78.8	117.3	129.1	139.4	149.3	150.9	159.8	163.8	169.4	174.0
	1808	104.4	142.3	145.8	157.4	160.1	170.4	172.4	175.7	172.4	185.2
	1809	112.1	142.0	147.8	158.2	169.5	177.2	180.2	181.4	185.7	190.9
	1810	82.7	121.2	134.7	148.6	160.5	166.1	164.0	176.6	181.8	186.1
	1811	107.9	149.3	156.6	174.9	178.9	187.5	184.7	195.9	195.1	203.0
	1812	97.8	136.6	152.1	163.1	176.4	176.6	181.4	189.5	194.9	198.1
	1813	87.5	130.8	145.6	155.7	168.8	180.3	184.3	186.0	191.0	195.0
	1814	71.1	123.0	132.5	144.9	159.6	167.5	170.2	171.1	178.7	178.8
	1815	94.9	146.5	158.8	170.6	187.4	196.1	199.5	202.0	212.4	220.5
	1816	92.0	130.7	143.3	152.0	160.4	169.8	168.6	176.7	178.0	181.6
	1817	86.0	129.1	144.2	157.6	166.3	179.5	183.4	187.0	183.4	194.1
	1818	102.2	141.5	153.9	168.5	176.4	184.2	185.3	189.0	190.5	192.5
	1819	92.8	132.4	147.8	158.6	168.0	176.9	182.8	184.3	184.6	198.8
	1820	107.5	148.5	158.5	170.1	178.7	190.1	194.5	196.3	201.3	206.9

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	ID	Day									
		63	70	77	84	91	119	147	175	203	231
CF	1101	210.6	217.0	215.6	211.7	221.6	224.9	227.8	220.8	223.6	230.4
	1102	221.9	224.9	226.0	231.7	231.9	240.9	245.2	243.7	254.8	262.9
	1103	218.0	224.9	227.9	229.4	226.1	244.0	248.0	246.6	250.7	256.1
	1104	216.1	219.5	224.1	223.9	226.7	230.7	241.6	245.2	250.3	257.4
	1105	203.7	199.5	207.8	213.2	204.6	225.4	234.9	226.7	242.8	234.0
	1106	209.8	222.4	224.5	225.6	223.3	228.1	237.3	243.0	245.0	244.6
	1107	214.3	220.2	219.6	218.6	227.6	235.8	242.2	252.2	249.2	250.7
	1108	219.0	225.6	223.1	224.3	225.9	234.5	237.6	228.5	242.0	244.6
	1109	183.1	190.7	188.0	190.4	196.4	200.5	201.8	208.9	215.7	213.8
	1110	221.4	224.4	220.4	228.3	232.9	233.9	247.2	240.4	253.3	251.4
	1111	217.4	214.5	223.0	221.4	227.4	236.6	250.4	243.7	244.2	264.1
	1112	239.3	236.9	244.7	251.0	257.2	270.0	269.5	267.2	271.2	274.1
	1113	200.4	197.4	203.0	207.5	206.3	214.8	218.1	212.9	230.8	223.8
	1114	234.7	236.4	235.9	245.6	249.1	253.9	263.7	257.8	268.7	277.5
	1115	225.8	227.6	219.4	232.7	236.1	235.3	241.1	240.1	247.0	248.4
	1116	198.4	201.8	204.5	204.6	205.1	211.9	219.9	216.1	221.5	227.9
	1117	224.5	234.6	234.9	229.8	236.8	246.2	255.3	256.9	262.9	269.1
	1118	212.8	214.5	223.8	229.5	228.2	238.4	246.6	249.2	262.2	267.4
	1119	229.8	231.1	228.5	232.0	239.5	247.5	254.7	263.9	275.3	285.0
	1120	211.0	211.6	212.4	217.4	217.1	221.8	224.5	220.8	217.4	225.8
B0.2F	1301	206.7	207.5	204.3	209.3	214.4	223.0	222.4	238.2	237.4	243.4
	1302	213.7	212.1	218.0	224.3	218.1	223.3	231.9	226.3	233.2	231.9
	1303	199.9	206.4	212.1	201.7	207.3	221.1	231.5	223.5	225.2	228.3
	1304	217.9	227.1	230.1	238.9	229.5	238.8	254.0	254.1	266.2	288.7
	1305	198.8	207.6	204.6	203.5	197.0	210.1	215.4	212.2	215.7	217.4
	1306	214.2	217.4	219.0	219.9	221.4	231.2	235.9	239.5	248.7	243.3
	1307	194.2	194.7	197.4	200.3	196.4	213.2	215.4	215.1	228.1	231.4
	1308	219.1	223.5	224.4	222.4	223.8	231.2	232.2	233.4	243.5	242.9

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal ID	Day									
		63	70	77	84	91	119	147	175	203	231
B0.2F	1309	224.2	229.9	229.6	226.9	236.5	243.0	252.5	254.2	254.4	256.6
	1310	213.7	222.2	220.4	220.2	218.1	227.7	225.2	234.1	231.7	232.0
	1311	225.3	225.0	225.6	227.9	232.4	244.3	249.3	252.0	254.0	259.1
	1312	211.7	214.0	205.4	210.0	206.5	208.7	213.5	216.6	216.6	223.6
	1313	210.3	213.9	212.9	216.3	217.0	219.1	228.0	231.6	242.2	245.8
	1314	222.0	227.9	224.4	219.6	226.5	236.8	238.4	243.8	253.8	256.8
	1315	194.5	205.7	200.3	208.7	210.2	214.6	216.2	222.1	225.0	223.9
	1316	217.0	218.6	217.6	221.7	223.6	233.2	238.0	246.6	249.8	251.2
	1317	177.9	181.8	183.4	188.7	182.8	191.8	195.0	198.3	199.3	201.2
	1318	202.3	201.7	208.6	215.8	207.7	215.5	221.3	215.2	218.7	224.2
B2F	1319	245.2	244.5	246.2	251.6	255.9	260.3	270.9	277.1	278.0	283.2
	1320	236.2	239.6	243.3	246.7	245.3	251.8	262.4	268.2	272.6	273.7
	1401	206.2	213.2	208.3	209.4	210.8	221.7	235.6	220.4	220.3	231.8
	1402	194.1	196.1	194.2	196.5	198.4	212.1	216.3	222.0	226.5	223.7
	1403	202.4	207.7	206.4	207.2	204.9	218.8	230.4	235.6	230.0	242.1
	1404	204.0	201.3	207.1	212.2	210.9	218.7	223.3	228.0	234.2	237.1
	1405	179.1	176.7	178.4	176.6	183.3	188.2	206.1	203.7	197.2	206.9
	1406	200.7	199.6	206.2	208.5	209.0	218.5	226.7	227.7	231.3	237.8
	1407	217.0	218.7	226.8	231.8	233.2	238.6	246.9	247.5	255.0	258.4
	1408	219.7	217.7	224.5	228.4	230.7	231.0	247.6	243.2	241.6	247.9
	1409	203.1	202.7	198.7	206.8	210.5	211.8	220.9	220.3	227.3	233.4
	1410	197.7	198.0	200.9	207.5	207.4	207.9	210.5	210.3	212.7	212.2
	1411	215.2	216.2	216.3	213.1	219.1	226.5	232.3	224.2	229.7	233.8
	1412	240.7	241.4	239.5	251.4	253.3	270.3	283.9	283.8	282.1	294.3
	1413	203.7	207.4	206.9	207.3	210.2	222.1	229.8	229.0	234.5	235.9
	1414	201.5	205.7	200.2	211.8	212.0	228.7	235.3	236.2	242.3	248.0
	1415	191.6	197.9	194.2	198.8	200.5	217.6	225.8	220.6	230.8	223.1
	1416	201.6	197.5	200.5	203.6	211.2	215.2	217.7	221.6	232.3	237.8

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	ID	Animal Day									
		63	70	77	84	91	119	147	175	203	231
B2F	1417	233.2	227.6	233.0	238.8	240.6	260.4	271.8	280.7	280.9	294.1
	1418	200.9	189.5	198.5	199.7	191.4	198.9	207.1	209.1	211.4	224.0
	1419	194.9	194.0	196.4	201.4	205.4	213.0	217.6	223.9	231.1	238.1
	1420	191.2	191.4	192.4	195.0	199.3	201.6	218.7	209.9	224.8	223.1
B5F	1501	179.4	182.6	181.4	184.5	180.7	187.8	191.7	190.4	196.6	201.0
	1502	188.9	188.6	183.4	188.8	185.4	193.2	193.0	191.9	186.4	197.7
	1503	216.2	215.1	213.3	218.0	224.4	240.2	242.3	237.6	239.6	248.1
	1504	220.5	216.8	224.1	230.3	231.6	238.0	241.9	232.7	235.0	246.3
	1505	201.3	209.1	205.7	208.2	209.1	214.7	217.1	218.5	215.9	217.2
	1506	192.2	197.0	193.7	195.7	196.0	199.1	206.7	202.2	197.8	210.8
	1507	186.9	187.6	189.4	190.0	188.9	200.2	201.3	207.0	211.8	210.8
	1508	180.1	181.2	181.4	187.6	183.4	176.3	198.5	186.5	189.7	192.8
	1509	200.2	200.7	194.6	202.8	204.4	210.6	212.7	205.7	210.1	211.2
	1510	190.3	188.4	192.3	194.3	198.1	201.9	199.8	200.4	193.0	209.5
	1511	178.2	179.3	181.8	186.7	183.5	191.4	196.2	188.7	195.2	199.1
	1512	186.5	192.1	193.1	190.9	194.1	208.8	206.9	201.2	208.8	207.1
	1513	202.3	202.1	203.0	205.5	207.1	216.7	222.1	224.6	221.9	222.9
	1514	226.2	228.6	228.1	229.9	231.5	245.3	246.7	246.5	248.3	253.3
	1515	191.3	192.1	195.5	195.2	191.1	199.6	209.3	203.5	203.4	206.5
	1516	207.2	219.5	217.4	222.8	217.3	224.1	214.6	219.7	229.8	225.9
	1517	206.2	206.6	201.7	201.4	204.9	215.9	213.3	207.2	213.6	216.8
	1518	198.7	197.0	198.0	205.4	204.8	209.9	212.8	209.7	213.3	221.0
	1519	201.3	199.5	198.3	204.3	208.5	212.9	212.6	213.7	215.0	212.6
	1520	205.1	208.9	209.6	207.6	209.5	218.9	227.0	224.9	231.6	230.2
E0.2F	1601	194.6	201.9	205.0	205.3	199.3	211.2	221.7	220.0	212.0	226.8
	1602	204.1	215.6	213.3	215.6	211.8	222.4	227.8	228.2	233.4	239.2
	1603	214.2	214.4	212.9	209.3	213.4	221.1	237.2	229.8	238.1	242.8
	1604	223.1	223.9	230.3	232.7	231.6	240.3	247.8	246.8	247.4	255.1

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal ID	Day									
		63	70	77	84	91	119	147	175	203	231
E0.2F	1605	223.6	230.3	231.2	231.3	227.9	250.1	256.7	256.2	269.5	272.9
	1606	207.7	212.0	211.4	211.6	214.4	222.5	229.3	226.9	232.4	234.2
	1607	251.2	256.0	259.5	263.9	260.5	269.3	279.5	276.4	280.7	283.7
	1608	228.2	226.4	225.1	234.9	235.8	246.9	254.0	256.5	249.3	259.1
	1609	211.5	215.9	210.6	222.6	218.4	235.0	236.8	238.9	245.0	255.2
	1610	222.4	229.1	235.5	236.3	236.8	242.9	246.6	251.9	260.2	263.1
	1611	217.5	212.4	216.6	218.7	222.6	231.1	231.8	239.3	231.3	244.6
	1612	201.9	204.6	208.8	210.5	212.1	221.7	223.5	241.7	229.1	230.8
	1613	225.3	233.2	238.4	238.8	241.7	256.1	261.4	269.1	265.4	272.4
	1614	218.9	220.4	222.9	226.2	220.0	233.4	232.1	230.0	234.6	235.9
	1615	218.3	229.0	232.9	235.2	231.0	243.9	249.5	261.6	264.0	279.3
	1616	209.4	214.4	203.6	213.0	215.6	224.9	226.6	229.9	233.0	239.4
	1617	220.2	219.3	203.4	227.9	225.4	233.9	240.9	246.5	248.7	254.0
	1618	201.1	200.7	180.8	199.7	205.0	208.6	207.2	209.6	211.2	206.3
	1619	230.9	233.9	240.4	244.3	247.8	251.3	251.9	255.7	255.9	258.5
	1620	220.9	222.9	220.3	228.8	230.7	240.3	252.2	249.8	265.0	269.2
E2F	1701	237.1	242.8	240.6	245.5	240.7	255.5	273.9	273.4	277.5	283.4
	1702	209.6	211.1	206.8	214.9	217.7	224.5	226.6	229.6	234.7	233.7
	1703	198.9	198.5	203.7	206.3	202.6	212.0	221.0	217.5	235.1	222.4
	1704	212.5	214.4	215.1	218.2	218.0	222.0	227.7	226.7	233.3	231.2
	1705	195.9	203.2	205.9	211.4	210.7	217.6	223.1	223.0	223.4	234.2
	1706	197.8	198.4	203.9	205.9	198.8	219.4	215.1	213.5	218.2	223.4
	1707	190.2	190.6	189.8	194.0	199.7	208.1	214.0	213.7	216.9	221.2
	1708	198.5	200.6	206.3	207.1	211.1	210.8	216.7	220.5	222.5	228.3
	1709	228.9	233.6	235.4	235.6	243.7	243.3	253.0	241.1	249.7	248.7
	1710	206.1	209.8	212.8	211.0	213.2	224.1	231.5	235.7	237.9	235.4
	1711	226.1	233.4	237.6	227.6	233.6	244.0	246.7	254.8	256.7	252.6
	1712	212.8	220.6	224.4	225.1	224.2	230.8	237.3	236.7	247.0	234.9

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal ID	Day									
		63	70	77	84	91	119	147	175	203	231
E2F	1713	217.5	221.4	230.3	232.0	229.8	239.9	248.1	238.5	252.3	252.0
	1714	212.9	214.4	209.9	216.8	223.5	236.1	242.0	251.4	258.4	251.5
	1715	202.9	202.5	201.4	206.4	207.2	214.9	220.3	220.0	220.8	221.4
	1716	196.0	202.7	199.6	203.2	211.8	217.1	228.3	228.5	235.6	237.9
	1717	224.1	229.0	230.0	230.3	237.8	243.8	248.3	244.6	245.9	262.6
	1718	189.1	193.4	189.1	197.4	198.1	206.3	213.9	210.7	216.8	218.5
	1719	234.6	235.6	232.3	238.9	247.0	254.1	264.8	265.5	264.9	269.8
	1720	204.1	208.7	210.5	208.2	213.7	221.7	228.6	226.9	233.2	235.7
	1801	200.9	203.4	209.8	202.9	203.4	210.0	215.6	217.3	216.5	197.2
	1802	204.2	199.5	210.1	211.8	209.3	217.7	224.1	229.6	245.1	252.4
E5F	1803	213.3	211.1	227.6	219.7	224.3	229.8	232.2	245.0	255.2	203.1
	1804	208.8	211.7	216.2	220.9	223.6	226.9	234.1	233.9	232.3	235.2
	1805	218.5	221.1	223.9	228.1	229.5	237.5	240.9	245.4	248.9	250.8
	1806	186.5	191.0	187.3	193.3	193.5	201.6	202.5	203.4	220.1	219.8
	1807	173.4	179.1	176.3	184.0	186.2	198.5	200.6	198.7	208.0	213.6
	1808	183.0	183.4	179.9	186.5	183.4	186.6	197.8	190.9	187.4	191.2
	1809	190.9	197.7	194.4	192.5	190.7	202.7	205.0	209.8	205.2	208.9
	1810	184.3	193.7	195.3	190.7	193.1	206.2	208.8	205.9	204.2	214.4
	1811	208.5	215.3	206.1	215.5	214.8	225.1	234.5	239.3	242.0	247.1
	1812	196.0	200.0	197.9	202.1	201.6	210.4	216.2	221.9	222.4	232.1
	1813	198.0	198.1	203.0	198.2	202.0	218.8	218.7	219.2	222.2	225.9
	1814	179.0	186.3	186.4	189.4	187.6	195.9	198.6	206.1	206.6	210.7
	1815	224.3	225.8	225.4	226.2	221.2	232.8	243.3	249.7	253.1	256.2
	1816	176.7	183.0	184.5	186.8	189.7	187.4	193.8	196.9	205.2	210.6
	1817	193.3	190.9	197.3	196.7	195.1	202.9	210.3	205.0	202.5	207.1
	1818	189.5	196.6	200.5	198.7	196.7	205.3	209.1	208.2	214.8	214.9
	1819	201.7	197.2	200.5	201.0	207.5	219.1	221.0	219.6	213.3	233.7
	1820	206.8	208.8	207.4	209.6	210.5	216.0	220.7	227.3	227.6	228.0

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal ID	Day			
		259	287	315	343
CF	1101	234.6	239.3	244.7	254.7
	1102	278.4	272.1	286.4	308.9
	1103	271.5	276.8	267.4	279.0
	1104	253.9	258.2	270.7	285.3
	1105	270.2	272.5	278.3	265.5
	1106	252.9	256.6	262.5	260.2
	1107	262.6	272.1	280.3	287.4
	1108	253.7	255.1	261.9	270.8
	1109	227.6	233.1	233.4	248.5
	1110	263.3	267.8	274.9	284.2
	1111	262.2	282.6	276.5	301.4
	1112	281.6	287.7	292.5	297.0
	1113	231.3	241.7	244.1	250.3
	1114	277.5	287.4	291.4	299.6
	1115	257.0	260.3	265.3	297.3
	1116	229.6	232.1	250.3	237.5
	1117	283.5	295.1	287.0	312.8
	1118	280.8	286.9	291.8	326.8
	1119	296.0	296.1	304.5	338.8
	1120	227.7	225.4	228.5	233.5
B0.2F	1301	251.8	262.5	260.6	280.2
	1302	248.7	233.7	235.6	251.4
	1303	237.4	239.4	238.9	245.3
	1304	289.1	294.9	295.4	304.3
	1305	229.1	226.3	226.3	229.8
	1306	257.3	259.7	265.4	268.0
	1307	233.1	243.1	252.3	247.2
	1308	251.9	248.6	258.9	255.5

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal ID	Day			
		259	287	315	343
B0.2F	1309	275.9	276.5	284.6	288.9
	1310	242.0	254.9	262.9	270.0
	1311	262.5	265.5	274.4	273.6
	1312	225.1	226.3	231.1	240.6
	1313	250.6	253.6	254.4	256.1
	1314	265.3	272.8	277.8	281.0
	1315	225.5	230.2	238.6	245.9
	1316	260.2	259.6	265.0	267.2
	1317	211.5	208.5	212.4	218.8
	1318	224.6	235.1	229.6	237.2
B2F	1319	290.2	285.5	288.8	296.9
	1320	284.7	291.5	299.2	301.1
	1401	243.1	250.0	252.3	256.3
	1402	226.4	230.0	233.8	239.0
	1403	245.5	250.8	254.0	264.9
	1404	240.7	248.6	254.0	256.9
	1405	212.7	216.9	218.6	222.2
	1406	239.3	244.6	251.2	254.5
	1407	263.6	266.7	269.0	271.6
	1408	258.4	256.2	254.2	260.7
	1409	233.0	240.1	245.9	253.7
	1410	222.3	222.8	223.2	226.4
	1411	236.4	243.0	245.4	248.7
	1412	297.7	288.3	301.6	303.2
	1413	243.5	247.1	242.2	251.8
	1414	252.7	245.0	246.2	253.2
	1415	241.2	245.1	248.6	257.8
	1416	244.1	254.0	254.5	290.7

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal ID	Day			
		259	287	315	343
B2F	1417	297.7	302.5	309.0	311.7
	1418	224.3	224.7	226.0	227.8
	1419	240.5	245.4	247.1	257.0
	1420	215.6	217.4	227.3	230.8
B5F	1501	197.7	200.6	204.2	204.3
	1502	192.0	193.7	201.1	200.8
	1503	249.6	262.7	281.1	282.0
	1504	247.9	253.5	258.6	265.6
	1505	214.0	221.1	219.4	223.9
	1506	209.2	211.9	216.6	214.9
	1507	210.8	213.7	217.4	222.0
	1508	196.9	198.5	198.0	206.3
	1509	217.8	211.7	212.3	215.9
	1510	209.8	203.8	205.4	200.4
	1511	199.1	202.4	203.7	210.2
	1512	212.3	213.0	209.4	212.3
	1513	225.1	228.4	225.6	227.2
	1514	256.3	260.2	264.6	269.4
	1515	205.8	214.2	210.0	213.2
	1516	222.3	231.9		
	1517	215.6	222.6	229.1	235.9
	1518	220.5	224.6	224.4	236.8
	1519	216.6	218.4	228.0	237.4
	1520	237.4	246.3	246.5	248.0
E0.2F	1601	223.4	228.6	236.4	239.8
	1602	241.5	251.0	268.1	270.8
	1603	257.5	255.0	264.0	263.6
	1604	261.6	261.3	266.4	277.7

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal ID	Day			
		259	287	315	343
E0.2F	1605	277.8	275.4	285.4	294.0
	1606	240.7	241.1	242.4	244.4
	1607	292.4	295.7	301.3	310.8
	1608	259.4	267.9	270.5	277.0
	1609	261.2	265.8	269.8	281.8
	1610	272.9	274.3	304.8	309.0
	1611	256.7	264.2	254.4	248.9
	1612	253.5	240.0	247.2	246.3
	1613	302.7	290.9	286.2	262.6
	1614	243.9	242.4	246.8	231.0
	1615	285.7	292.6	284.8	272.0
	1616	247.9	249.5	249.1	261.3
E2F	1617	263.4	264.0	273.9	288.9
	1618	209.9	214.2	220.1	224.4
	1619	263.8	274.2	274.1	276.5
	1620	283.0	294.6	285.2	300.0
	1701	299.4	303.6	312.1	316.0
	1702	243.4	248.3	248.2	261.3
	1703	226.0	226.2	231.4	233.9
	1704	241.7	245.8	246.7	248.5
	1705	235.1	237.5	241.9	248.2
	1706	223.0	222.9	227.3	231.6
	1707	229.4	233.3	232.4	236.1
	1708	230.2	238.3	237.2	244.1
	1709	256.7	253.2	257.1	261.5
	1710	234.1	232.1	242.3	243.0
	1711	262.0	269.3	270.8	277.1
	1712	243.0	245.1	253.2	254.6

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal ID	Day			
		259	287	315	343
E2F	1713	248.6	248.3	258.6	262.7
	1714	253.4	256.2	260.4	285.3
	1715	224.9	234.0	234.6	243.8
	1716	244.1	254.9	267.1	266.1
	1717	268.2	272.7	275.3	281.7
	1718	217.1	219.4	225.3	227.8
	1719	276.6	289.7	292.5	304.2
	1720	205.3	247.0	246.9	250.2
	1801	220.5	229.2	232.2	234.7
E5F	1802	281.4	305.7	326.6	353.9
	1803	245.7	243.9	250.5	250.2
	1804	240.9	240.4	240.3	243.2
	1805	252.5	254.1	261.3	266.1
	1806	213.5	215.0	218.6	222.8
	1807	211.0	216.5	216.7	218.3
	1808	195.2	199.6	204.8	209.9
	1809	213.9	214.5	221.5	221.6
	1810	216.6	226.3	221.0	229.1
	1811	252.0	259.0	263.0	263.3
	1812	231.8	240.1	236.0	242.6
	1813	230.6	238.7	237.0	241.5
	1814	209.6	209.8	213.4	214.3
	1815	259.8	262.2	260.3	273.5
	1816	209.1	217.2	221.1	225.0
	1817	200.6	210.1	210.8	211.4
	1818	219.6	226.8	228.1	230.1
	1819	231.6	228.5	226.7	226.0
	1820	226.8	235.3	236.3	238.3

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	ID	Day									
		7	14	21	28	35	42	49	56	63	70
CM	101	29.3	21.2	20.7	20.0	19.9	19.1	18.7	18.8	19.7	18.8
	102	29.3	21.2	20.7	20.0	19.9	19.1	18.7	18.8	19.7	18.8
	103	20.2	21.1	20.8	20.6	19.9	18.9	19.6	19.1	19.6	19.8
	104	20.2	21.1	20.8	20.6	19.9	18.9	19.6	19.1	19.6	19.8
	105	22.1	23.2	23.8	22.8	24.3	24.3	22.6		24.2	22.7
	106	22.1	23.2	23.8	22.8	24.3	24.3	22.6		24.2	22.7
	107	20.2	22.1	23.7	23.6	24.5	22.9	23.9	21.7	21.4	21.2
	108	20.2	22.1	23.7	23.6	24.5	22.9	23.9	21.7	21.4	21.2
	109	19.4	20.9	21.8	20.7	21.5	21.1	21.8	20.7	22.1	21.6
	110	19.4	20.9	21.8	20.7	21.5	21.1	21.8	20.7	22.1	21.6
	111	22.1	23.6	24.1	24.0	25.2	22.2	21.8	22.3	22.2	23.4
	112	22.1	23.6	24.1	24.0	25.2	22.2	21.8	22.3	22.2	23.4
	113	21.8	23.2	24.2	23.8	23.8	23.1	22.4	22.0	22.2	20.7
	114	21.8	23.2	24.2	23.8	23.8	23.1	22.4	22.0	22.2	20.7
	115	19.2	20.9	21.0	20.2	20.4	19.6	19.7	20.2	20.1	20.1
	116	19.2	20.9	21.0	20.2	20.4	19.6	19.7	20.2	20.1	20.1
	117	21.1	21.2	22.2	20.3	22.1	22.1	22.7	22.1	22.5	22.5
	118	21.1	21.2	22.2	20.3	22.1	22.1	22.7	22.1	22.5	22.5
	119	21.0	22.6	23.5	22.0	21.9	19.7	19.8	21.3	22.1	21.9
	120	21.0	22.6	23.5	22.0	21.9	19.7	19.8	21.3	22.1	21.9
B0.2M	301	20.5	21.8	22.5	22.0	22.7	21.4	20.2	21.3	21.1	20.9
	302	20.5	21.8	22.5	22.0	22.7	21.4	20.2	21.3	21.1	20.9
	303	21.3	22.6	23.9	22.8	23.1	22.9	22.4	20.5	20.4	21.6
	304	21.3	22.6	23.9	22.8	23.1	22.9	22.4	20.5	20.4	21.6
	305	21.5	20.6	20.5	20.4	22.5	20.8	21.4	20.2	19.2	21.2
	306	21.5	20.6	20.5	20.4	22.5	20.8	21.4	20.2	19.2	21.2
	307	19.9	22.5	21.3	21.1	22.1	19.6	20.9	20.4	21.3	20.3
	308	19.9	22.5	21.3	21.1	22.1	19.6	20.9	20.4	21.3	20.3

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal ID	Day									
		7	14	21	28	35	42	49	56	63	70
B0.2M	309	20.4	21.0	21.4	21.0	21.6	21.4	20.9	20.3	21.1	20.7
	310	20.4	21.0	21.4	21.0	21.6	21.4	20.9	20.3	21.1	20.7
	311	19.3	20.9	21.2	20.1	21.0	20.5	20.6	21.1	19.7	20.1
	312	19.3	20.9	21.2	20.1	21.0	20.5	20.6	21.1	19.7	20.1
	313	20.1	22.0	23.6	23.3	23.0	21.9	21.5	21.3	21.4	
	314	20.1	22.0	23.6	23.3	23.0	21.9	21.5	21.3	21.4	
	315	20.3	21.7	22.1	21.2	23.0	23.4	22.0	21.9	21.6	22.3
	316	20.3	21.7	22.1	21.2	23.0	23.4	22.0	21.9	21.6	22.3
	317	20.7	23.0	23.4	24.3	24.7	22.8	23.4	23.5	23.0	22.1
	318	20.7	23.0	23.4	24.3	24.7	22.8	23.4	23.5	23.0	22.1
B2M	319	21.5	22.7	22.7	21.7	21.9	21.8	22.5	22.4	24.3	26.5
	320	21.5	22.7	22.7	21.7	21.9	21.8	22.5	22.4	24.3	26.5
	401	25.1	29.8	27.8	29.7	25.9	27.6	26.9	26.4	26.0	27.9
	402	25.1	29.8	27.8	29.7	25.9	27.6	26.9	26.4	26.0	27.9
	403	21.1	23.0	24.8	23.1	24.8	24.2	24.4	24.7	21.9	21.8
	404	21.1	23.0	24.8	23.1	24.8	24.2	24.4	24.7	21.9	21.8
	405	17.4	18.2	18.9	17.9	16.9	19.5	17.8	18.2	18.2	19.1
	406	17.4	18.2	18.9	17.9	16.9	19.5	17.8	18.2	18.2	19.1
	407	20.8	23.0	23.0	22.7	21.8	23.0	23.0	21.6	23.3	
	408	20.8	23.0	23.0	22.7	21.8	23.0	23.0	21.6	23.3	
	409	20.6	22.9	23.3	22.4	22.2	21.2	17.8	24.2	22.7	21.3
	410	20.6	22.9	23.3	22.4	22.2	21.2	17.8	24.2	22.7	21.3
	411	20.9	20.9	21.1	20.7	19.3	19.8	21.4	22.7		20.6
	412	20.9	20.9	21.1	20.7	19.3	19.8	21.4	22.7		20.6
	413	20.1	21.7	22.3	22.6	22.0	23.8	25.0	24.5	23.5	22.9
	414	20.1	21.7	22.3	22.6	22.0	23.8	25.0	24.5	23.5	22.9
	415	19.3	20.3	21.3	22.5	23.0	25.2	24.9	23.9	23.3	
	416	19.3	20.3	21.3	22.5	23.0	25.2	24.9	23.9	23.3	

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	ID	Day									
		7	14	21	28	35	42	49	56	63	70
B2M	417	18.9	21.9	23.2	21.5	20.5	21.5	22.9	22.4	21.9	21.4
	418	18.9	21.9	23.2	21.5	20.5	21.5	22.9	22.4	21.9	21.4
	419	20.6	24.0	22.3	21.8	20.4	22.5	21.3	21.1	21.2	21.4
	420	20.6	24.0	22.3	21.8	20.4	22.5	21.3	21.1	21.2	21.4
B5M	501	22.1	24.2	26.4	28.9	28.9	25.8	24.6	23.1	22.7	21.9
	502	22.1	24.2	26.4	28.9	28.9	25.8	24.6	23.1	22.7	21.9
	503	20.9	23.1	24.0	23.4	24.2	22.7	24.3	24.7	21.9	22.7
	504	20.9	23.1	24.0	23.4	24.2	22.7	24.3	24.7	21.9	22.7
	505	18.5	19.2	19.5	19.1	16.6	18.7	18.2	19.1	18.2	17.9
	506	18.5	19.2	19.5	19.1	16.6	18.7	18.2	19.1	18.2	17.9
	507	18.7	21.6	22.8	25.1	22.9	24.5	24.0	22.9	22.7	23.0
	508	18.7	21.6	22.8	25.1	22.9	24.5	24.0	22.9	22.7	23.0
	509	19.3	21.3	22.5	22.4	20.5	20.6	23.1		22.6	22.5
	510	19.3	21.3	22.5	22.4	20.5	20.6	23.1		22.6	22.5
	511	19.5	21.8	23.1	22.2	20.4	20.2	19.5	19.7	18.9	18.5
	512	19.5	21.8	23.1	22.2	20.4	20.2	19.5	19.7	18.9	18.5
	513	17.6	18.8	19.9	21.3	21.4	19.4	21.3	21.3	19.1	19.4
	514	17.6	18.8	19.9	21.3	21.4	19.4	21.3	21.3	19.1	19.4
	515	18.0	19.9	20.6	21.0	20.2	20.6	19.1	20.5	20.3	19.9
	516	18.0	19.9	20.6	21.0	20.2	20.6	19.1	20.5	20.3	19.9
	517	17.5	18.1	19.0	18.7	17.8	17.7	18.6	17.2	17.2	18.0
	518	17.5	18.1	19.0	18.7	17.8	17.7	18.6	17.2	17.2	18.0
	519	17.0	19.5	20.8	20.4	20.6	21.0	20.4	20.1	21.6	20.9
	520	17.0	19.5	20.8	20.4	20.6	21.0	20.4	20.1	21.6	20.9
E0.2M	601	18.7	19.5	19.6	19.5	19.6	18.9	16.4	19.8	20.3	19.3
	602	18.7	19.5	19.6	19.5	19.6	18.9	16.4	19.8	20.3	19.3
	603	19.3	21.5	23.4	22.9	23.4	19.9	22.1	21.5	21.3	21.2
	604	19.3	21.5	23.4	22.9	23.4	19.9	22.1	21.5	21.3	21.2

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal ID	Day									
		7	14	21	28	35	42	49	56		
E0.2M	605	22.2	21.9	22.6	23.1	23.3	23.4	23.1	22.8	21.3	21.8
	606	22.2	21.9	22.6	23.1	23.3	23.4	23.1	22.8	21.3	21.8
	607	19.6	21.3	21.0	20.8	19.5	21.1	20.9	21.2	20.9	20.5
	608	19.6	21.3	21.0	20.8	19.5	21.1	20.9	21.2	20.9	20.5
	609	22.7	23.8	24.2	24.0	22.7	24.4	24.8	23.1		22.8
	610	22.7	23.8	24.2	24.0	22.7	24.4	24.8	23.1		22.8
	611	22.1	26.4	26.6	27.0	24.5	22.4	25.1	24.7	24.5	24.6
	612	22.1	26.4	26.6	27.0	24.5	22.4	25.1	24.7	24.5	24.6
	613	21.4	22.3	22.2	20.2	21.0	19.3	20.9	21.4	20.4	20.5
	614	21.4	22.3	22.2	20.2	21.0	19.3	20.9	21.4	20.4	20.5
	615	17.5	18.5	17.7	18.2	18.9	19.0	18.1	17.3	17.2	17.9
	616	17.5	18.5	17.7	18.2	18.9	19.0	18.1	17.3	17.2	17.9
	617	19.8	21.8	21.7	22.2	21.4	23.0	23.4	21.3	20.2	19.3
	618	19.8	21.8	21.7	22.2	21.4	23.0	23.4	21.3	20.2	19.3
E2M	619	19.3	21.2	21.5	20.6	20.3	20.6	21.4	19.8	20.1	20.1
	620	19.3	21.2	21.5	20.6	20.3	20.6	21.4	19.8	20.1	20.1
	701	21.7	23.5	24.1	21.8	21.2	22.6	22.3	21.0	23.6	22.8
	702	21.7	23.5	24.1	21.8	21.2	22.6	22.3	21.0	23.6	22.8
	703	21.1	22.9	23.5	23.2	23.6	28.4	23.9	21.6	22.8	23.7
	704	21.1	22.9	23.5	23.2	23.6	28.4	23.9	21.6	22.8	23.7
	705	20.5	20.9	21.2	20.8	21.9	21.5	20.9	21.4	19.8	20.8
	706	20.5	20.9	21.2	20.8	21.9	21.5	20.9	21.4	19.8	20.8
	707	17.9	19.9	22.0	22.8	11.7	19.0	24.1	23.3	21.9	23.2
	708	17.9	19.9	22.0	22.8	11.7	19.0	24.1	23.3	21.9	23.2
	709	18.9	20.2	19.8	19.6	20.3	19.9	20.5	20.6	21.8	22.2
	710	18.9	20.2	19.8	19.6	20.3	19.9	20.5	20.6	21.8	22.2
	711	22.1	23.6	23.5	23.0	21.3	22.9	21.5	22.6	22.2	22.1
	712	22.1	23.6	23.5	23.0	21.3	22.9	21.5	22.6	22.2	22.1

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	ID	Day									
		7	14	21	28	35	42	49	56	63	70
E2M	713	20.8	22.2	22.3	22.5	22.8	22.5	20.9	22.1	22.9	23.2
	714	20.8	22.2	22.3	22.5	22.8	22.5	20.9	22.1	22.9	23.2
	715	21.4	23.4	23.8	24.1	26.5	24.2	25.4	23.8	24.6	28.1
	716	21.4	23.4	23.8	24.1	26.5	24.2	25.4	23.8	24.6	28.1
	717	18.6	20.6	20.0	21.9	22.1	20.1	20.8	21.1	20.6	20.4
	718	18.6	20.6	20.0	21.9	22.1	20.1	20.8	21.1	20.6	20.4
	719	19.5	21.4	24.8	19.9	21.7	27.8		20.6	20.6	20.4
	720	19.5	21.4	24.8	19.9	21.7	27.8		20.6	20.6	20.4
E5M	801	18.9	20.8	20.0	21.9	20.3	19.3	19.0	18.5	18.1	18.8
	802	18.9	20.8	20.0	21.9	20.3	19.3	19.0	18.5	18.1	18.8
	803	20.8	23.2	22.9	23.8	23.6	23.2		25.2	21.6	24.2
	804	20.8	23.2	22.9	23.8	23.6	23.2		25.2	21.6	24.2
	805	18.6	19.7	18.8	19.0	19.2	19.8	19.1	20.3	20.0	19.5
	806	18.6	19.7	18.8	19.0	19.2	19.8	19.1	20.3	20.0	19.5
	807	19.1	23.7	21.4	22.1	23.6	21.7	21.6	21.3	21.1	20.8
	808	19.1	23.7	21.4	22.1	23.6	21.7	21.6	21.3	21.1	20.8
	809	17.7	20.2	19.8	19.9	18.7	18.0	17.7	18.4	16.4	19.7
	810	17.7	20.2	19.8	19.9	18.7	18.0	17.7	18.4	16.4	19.7
	811	21.3	23.5	23.1	23.5	22.9	22.9	21.4	22.3	23.1	23.3
	812	21.3	23.5	23.1	23.5	22.9	22.9	21.4	22.3	23.1	23.3
	813	19.4	21.3	22.3	22.5	21.7	21.9	18.9	21.8	19.6	19.8
	814	19.4	21.3	22.3	22.5	21.7	21.9	18.9	21.8	19.6	19.8
	815	22.1	23.0	23.4	24.0	23.4	22.5	21.5	22.4	22.8	23.7
	816	22.1	23.0	23.4	24.0	23.4	22.5	21.5	22.4	22.8	23.7
	817	19.9	22.1	21.8	21.3	21.6	19.7	22.0	21.0	21.3	21.6
	818	19.9	22.1	21.8	21.3	21.6	19.7	22.0	21.0	21.3	21.6
	819	18.3	18.4	19.8	19.9	18.3	18.4	17.4	18.2	19.1	19.2
	820	18.3	18.4	19.8	19.9	18.3	18.4	17.4	18.2	19.1	19.2

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal ID	Day									
		77	84	91	119	147	175	203	231	259	287
CM	101	19.6	19.0	19.8	17.0	17.5	17.4	17.0	17.3	17.8	17.5
	102	19.6	19.0	19.8	17.0	17.5	17.4	17.0	17.3	17.8	17.5
	103	19.6	19.7	18.6	18.0	18.6	18.7	18.8	19.0	20.5	19.6
	104	19.6	19.7	18.6	18.0	18.6	18.7	18.8	19.0	20.5	19.6
	105		20.9	21.4	22.1	21.6	22.9	22.5	21.8	23.6	22.3
	106		20.9	21.4	22.1	21.6	22.9	22.5	21.8	23.6	22.3
	107	22.7	22.8	22.8	21.9	22.2	22.9	22.1	21.2	23.2	24.1
	108	22.7	22.8	22.8	21.9	22.2	22.9	22.1	21.2	23.2	24.1
	109	22.2	22.2	22.4	20.1	20.7	21.2	21.8	21.0	22.5	22.8
	110	22.2	22.2	22.4	20.1	20.7	21.2	21.8	21.0	22.5	22.8
	111	22.6	23.2	22.0	20.1	22.1	22.1	21.2	21.4	24.3	22.6
	112	22.6	23.2	22.0	20.1	22.1	22.1	21.2	21.4	24.3	22.6
	113	22.7	22.9	23.4	20.5		21.9	21.8	20.3	21.7	21.8
	114	22.7	22.9	23.4	20.5		21.9	21.8	20.3	21.7	21.8
	115	19.6	19.6	19.2	18.5	18.1	19.2	17.9	17.6	20.1	18.8
	116	19.6	19.6	19.2	18.5	18.1	19.2	17.9	17.6	20.1	18.8
	117	21.8	21.0	20.9	20.2	20.1	20.6	20.2	20.1	22.5	21.8
	118	21.8	21.0	20.9	20.2	20.1	20.6	20.2	20.1	22.5	21.8
	119	20.7	22.2	21.2	19.7	21.0	22.1	21.4	21.6	23.1	22.2
	120	20.7	22.2	21.2	19.7	21.0	22.1	21.4	21.6	23.1	22.2
B0.2M	301	21.8	23.0	22.7	21.3	20.6	21.9	20.4	21.0	23.5	20.9
	302	21.8	23.0	22.7	21.3	20.6	21.9	20.4	21.0	23.5	20.9
	303	21.8	22.0	22.2	21.2	21.6		21.5	22.3	23.6	23.5
	304	21.8	22.0	22.2	21.2	21.6		21.5	22.3	23.6	23.5
	305	21.3	21.2	20.0	19.5	20.2		19.9	20.2	21.6	19.1
	306	21.3	21.2	20.0	19.5	20.2		19.9	20.2	21.6	19.1
	307	19.9	20.0	19.3	18.0	18.1	18.2	18.0	18.5	20.0	17.4
	308	19.9	20.0	19.3	18.0	18.1	18.2	18.0	18.5	20.0	17.4

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal ID	Day									
		77	84	91	119	147	175	203	231	259	287
B0.2M	309	19.9	20.6	19.5	19.9	20.2	20.2	20.6	20.5	21.9	21.0
	310	19.9	20.6	19.5	19.9	20.2	20.2	20.6	20.5	21.9	21.0
	311	20.7	21.1	20.9	20.8	22.2	22.4	20.2	19.5	20.8	22.4
	312	20.7	21.1	20.9	20.8	22.2	22.4	20.2	19.5	20.8	22.4
	313	20.2	20.3	20.9	18.5	19.3	19.5	19.5	19.6	20.8	20.3
	314	20.2	20.3	20.9	18.5	19.3	19.5	19.5	19.6	20.8	20.3
	315	21.8	22.2	21.6	20.9	19.6	21.5	21.8	20.0	21.0	20.9
	316	21.8	22.2	21.6	20.9	19.6	21.5	21.8	20.0	21.0	20.9
	317	22.2	22.6	21.7	20.3	20.4	20.7	19.8	19.7	22.1	18.5
	318	22.2	22.6	21.7	20.3	20.4	20.7	19.8	19.7	22.1	18.5
	319	23.6	25.4	23.4	23.0	23.6	21.8	23.4	22.9	24.9	23.8
	320	23.6	25.4	23.4	23.0	23.6	21.8	23.4	22.9	24.9	23.8
B2M	401	27.5	28.3	28.6	26.8	30.3	23.5	28.3	29.3	28.4	28.1
	402	27.5	28.3	28.6	26.8	30.3	23.5	28.3	29.3	28.4	28.1
	403	21.9	22.0	23.3	21.8	22.9	22.9	25.8	22.6	24.8	22.1
	404	21.9	22.0	23.3	21.8	22.9	22.9	25.8	22.6	24.8	22.1
	405	18.2	17.9	18.0	18.9	19.2	18.0	18.6	17.9	19.2	19.4
	406	18.2	17.9	18.0	18.9	19.2	18.0	18.6	17.9	19.2	19.4
	407	21.3	23.0	22.9	21.8	22.1	21.4	21.6	21.2	21.4	20.5
	408	21.3	23.0	22.9	21.8	22.1	21.4	21.6	21.2	21.4	20.5
	409	21.0	21.0	21.5	20.4	21.5	20.1	22.3	21.2	22.2	23.0
	410	21.0	21.0	21.5	20.4	21.5	20.1	22.3	21.2	22.2	23.0
	411	21.4	21.4	21.0	20.2	20.2	20.2	20.8	20.0	21.2	20.2
	412	21.4	21.4	21.0	20.2	20.2	20.2	20.8	20.0	21.2	20.2
	413	23.7	22.7	25.7		24.7	23.5	26.8	24.6	26.9	25.7
	414	23.7	22.7	25.7		24.7	23.5	26.8	24.6	26.9	25.7
	415	21.8	21.0	21.7	21.9	20.5	20.9	20.2	19.3	21.0	18.4
	416	21.8	21.0	21.7	21.9	20.5	20.9	20.2	19.3	21.0	18.4

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	ID	Day									
		77	84	91	119	147	175	203	231	259	287
B2M	417	21.4	21.3	20.6	20.8	20.5	21.2	20.9	20.9	21.5	21.2
	418	21.4	21.3	20.6	20.8	20.5	21.2	20.9	20.9	21.5	21.2
	419	21.0	20.5	20.2	19.5	18.7	19.3	20.6	19.4	20.5	19.6
	420	21.0	20.5	20.2	19.5	18.7	19.3	20.6	19.4	20.5	19.6
B5M	501	23.1	23.5	22.9	22.2	24.1	23.3	23.4	23.1	24.6	24.0
	502	23.1	23.5	22.9	22.2	24.1	23.3	23.4	23.1	24.6	24.0
	503	23.0	24.3	24.9	23.8	12.3	22.8	22.7	22.4	22.5	27.2
	504	23.0	24.3	24.9	23.8	12.3					
	505	18.2	13.4	18.2	18.3	17.6	18.4	18.0	17.6	17.9	17.8
	506	18.2	13.4	18.2	18.3	17.6	18.4	18.0	17.6	17.9	17.8
	507	20.8	21.5	22.5	22.1	24.9	22.7	22.4	21.0	24.0	24.1
	508	20.8	21.5	22.5	22.1	24.9	22.7	22.4	21.0	24.0	24.1
	509	20.8	21.8	21.1	19.2	20.8	21.4	22.3	22.6	23.8	22.6
	510	20.8	21.8	21.1	19.2	20.8	21.4	22.3	22.6	23.8	22.6
	511	19.4	19.1	19.6	18.3	17.5	18.4	18.3	18.0	17.8	18.6
	512	19.4	19.1	19.6	18.3	17.5	18.4	18.3	18.0	17.8	18.6
	513	10.7	23.9	22.7	19.8	20.8	20.8	21.3	21.2	20.7	19.8
	514	10.7	23.9	22.7	19.8	20.8	20.8	21.3	21.2	20.7	19.8
	515	18.7	18.8	19.5	19.7	19.2	18.4	19.5	18.1	20.7	18.4
	516	18.7	18.8	19.5	19.7	19.2	18.4	19.5	18.1	20.7	18.4
	517	17.1	17.0	17.2	16.3	16.8	16.4	18.3	15.5	17.1	16.3
	518	17.1	17.0	17.2	16.3	16.8	16.4	18.3	15.5	17.1	16.3
	519	20.7	21.1	21.6	20.0	22.6	22.5	19.7	20.8	20.2	22.2
	520	20.7	21.1	21.6	20.0	22.6	22.5	19.7	20.8	20.2	22.2
E0.2M	601	19.3	20.0	18.9	18.2	19.3	18.8	20.3	20.1	18.8	18.7
	602	19.3	20.0	18.9	18.2	19.3	18.8	20.3	20.1	18.8	18.7
	603	20.9	24.1	23.3	21.7	21.5	21.9	20.1	21.1	21.7	21.2
	604	20.9	24.1	23.3	21.7	21.5	21.9	20.1	21.1	21.7	21.2

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal ID	Day									
		77	84	91	119	147	175	203	231	259	287
E0.2M	605	21.6	20.8	19.2	20.8	20.9	19.7	20.5	21.5	22.8	21.6
	606	21.6	20.8	19.2	20.8	20.9	19.7	20.5	21.5	22.8	21.6
	607	20.1	20.0	19.3	18.7	18.6	18.9	19.2	19.2	18.5	18.9
	608	20.1	20.0	19.3	18.7	18.6	18.9	19.2	19.2	18.5	18.9
	609	22.4	24.1	20.8	22.2	22.1	21.7	20.5	22.6	21.1	22.2
	610	22.4	24.1	20.8	22.2	22.1	21.7	20.5	22.6	21.1	22.2
	611	25.4	25.0	23.6	23.4	24.2	22.0	22.5	22.9	22.7	24.5
	612	25.4	25.0	23.6	23.4	24.2	22.0	22.5	22.9	22.7	24.5
	613	20.2	21.3	21.4	21.2	20.4	20.9	21.5	21.6	20.3	21.2
	614	20.2	21.3	21.4	21.2	20.4	20.9	21.5	21.6	20.3	21.2
	615	18.1	17.4	17.3	18.4	17.9	17.4	19.0	18.1	19.3	19.5
	616	18.1	17.4	17.3	18.4	17.9	17.4	19.0	18.1	19.3	19.5
	617	18.7	18.4	18.6	19.8	18.0	18.9	19.0	18.6	19.7	20.9
	618	18.7	18.4	18.6	19.8	18.0	18.9	19.0	18.6	19.7	20.9
	619	20.0	19.1	19.3	19.5	19.1	19.5	19.1	19.1	19.7	19.2
	620	20.0	19.1	19.3	19.5	19.1	19.5	19.1	19.1	19.7	19.2
E2M	701		23.1	27.1	21.8	21.9		22.2	21.9	22.0	23.9
	702		23.1	27.1	21.8	21.9		22.2	21.9	22.0	23.9
	703	22.5	22.8	22.4	22.5	21.4	21.9	20.5	22.0	20.9	22.3
	704	22.5	22.8	22.4	22.5	21.4	21.9	20.5	22.0	20.9	22.3
	705	20.7	20.1	20.5	23.0	20.9	19.5	20.9	20.0	22.2	21.1
	706	20.7	20.1	20.5	23.0	20.9	19.5	20.9	20.0	22.2	21.1
	707	22.5	22.8	21.3	21.8	20.9	19.9	22.6	20.2	21.9	20.7
	708	22.5	22.8	21.3	21.8	20.9	19.9	22.6	20.2	21.9	20.7
	709	19.4	20.2	16.7	19.3	20.0	19.1	19.5	19.7	19.4	21.4
	710	19.4	20.2	16.7	19.3	20.0	19.1	19.5	19.7	19.4	21.4
	711	22.2	21.6	23.0	23.9	23.0	22.3	22.9	21.2	21.7	23.0
	712	22.2	21.6	23.0	23.9	23.0	22.3	22.9	21.2	21.7	23.0

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal ID	Day									
		77	84	91	119	147	175	203	231	259	287
E2M	713	21.8	20.4	22.2	21.8	21.7	19.8	20.3	19.9	21.2	22.1
	714	21.8	20.4	22.2	21.8	21.7	19.8	20.3	19.9	21.2	22.1
	715	24.8	23.9	24.3	25.0	25.8	26.7	27.7	27.1	28.6	30.6
	716	24.8	23.9	24.3	25.0	25.8	26.7	27.7	27.1	28.6	30.6
	717	19.9	19.8	20.5	20.9	19.1	19.9	20.4	20.2	20.8	19.3
	718	19.9	19.8	20.5	20.9	19.1	19.9	20.4	20.2	20.8	19.3
	719	19.5	21.4	19.8	18.9	19.0	20.0	21.0	19.9	21.0	22.6
	720	19.5	21.4	19.8	18.9	19.0	20.0	21.0	19.9	21.0	22.6
E5M	801	18.8	18.8	18.7	18.0	18.2	18.4	19.3	18.8	22.5	23.5
	802	18.8	18.8	18.7	18.0	18.2	18.4	19.3	18.8	22.5	23.5
	803		22.1	20.6	23.1	22.4	22.2	22.3	26.0	23.3	23.0
	804		22.1	20.6	23.1	22.4	22.2	22.3	26.0	23.3	23.0
	805	18.3	18.2	18.1	18.7	17.9	18.1	19.0	18.9	18.5	19.1
	806	18.3	18.2	18.1	18.7	17.9	18.1	19.0	18.9	18.5	19.1
	807	21.1	20.1	20.1	22.4	19.6	19.8	19.9	19.2	19.2	20.9
	808	21.1	20.1	20.1	22.4	19.6	19.8	19.9	19.2	19.2	20.9
	809	18.5	17.8	17.4	17.4	17.5	16.5	17.7	17.7	18.2	18.6
	810	18.5	17.8	17.4	17.4	17.5	16.5	17.7	17.7	18.2	18.6
	811	22.9	23.4	22.0	23.2	21.5	20.8	22.8	21.6	21.8	23.1
	812	22.9	23.4	22.0	23.2	21.5	20.8	22.8	21.6	21.8	23.1
	813	19.4	19.9	19.9	20.3	19.2	20.1	22.6	20.7	20.9	23.6
	814	19.4	19.9	19.9	20.3	19.2	20.1	22.6	20.7	20.9	23.6
	815	22.4	21.8	23.3	22.6	22.5	24.0	23.0	21.1	22.8	24.4
	816	22.4	21.8	23.3	22.6	22.5	24.0	23.0	21.1	22.8	24.4
	817	21.6	19.8	21.8	21.0	20.2	19.4	22.3	20.2	21.3	22.4
	818	21.6	19.8	21.8	21.0	20.2	19.4	22.3	20.2	21.3	22.4
	819	18.9	17.7	17.6	19.0	17.9	18.3	20.8	18.6	20.2	20.8
	820	18.9	17.7	17.6	19.0	17.9	18.3	20.8	18.6	20.2	20.8

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal	Day		
		ID	315	343
CM	101	17.5	17.6	
	102	17.5	17.6	
	103	20.9	20.5	
	104	20.9	20.5	
	105	23.0	23.4	
	106	23.0	23.4	
	107	23.4	24.5	
	108	23.4	24.5	
	109	20.5	23.9	
	110	20.5	23.9	
	111	23.6	20.7	
	112	23.6	20.7	
	113	21.2	20.5	
	114	21.2	20.5	
	115	20.0	19.8	
	116	20.0	19.8	
	117	22.3	21.3	
	118	22.3	21.3	
	119	23.8	23.6	
	120	23.8	23.6	
B0.2M	301	21.3	21.1	
	302	21.3	21.1	
	303	22.7	21.8	
	304	22.7	21.8	
	305	21.3	21.1	
	306	21.3	21.1	
	307	19.6	19.1	
	308	19.6	19.1	

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal	Day		
		ID	315	343
B0.2M	309	20.6	22.3	
	310	20.6	22.3	
	311	21.8	20.8	
	312	21.8	20.8	
	313	18.8	21.5	
	314	18.8	21.5	
	315	21.6	21.6	
	316	21.6	21.6	
	317	21.3	19.6	
	318	21.3	19.6	
B2M	319	23.0	24.6	
	320	23.0	24.6	
	401	28.7	30.1	
	402	28.7	30.1	
	403	25.4	24.0	
	404	25.4	24.0	
	405	19.7	17.2	
	406	19.7	17.2	
	407	21.9	22.2	
	408	21.9	22.2	
	409	22.8	21.9	
	410	22.8	21.9	
	411	19.9	19.9	
	412	19.9	19.9	
	413	26.6	24.5	
	414	26.6	24.5	
	415	21.4	20.2	
	416	21.4	20.2	

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal	Day		
		ID	315	343
B2M	417	20.1	20.2	
	418	20.1	20.2	
	419	19.4	20.5	
	420	19.4	20.5	
B5M	501	24.4	23.5	
	502	24.4	23.5	
	503	21.4	21.1	
	504			
	505	18.6	17.7	
	506	18.6	17.7	
	507	24.6	25.0	
	508	24.6	25.0	
	509	23.2	24.2	
	510	23.2	24.2	
	511	18.2	18.6	
	512	18.2	18.6	
	513	22.3	22.1	
	514	22.3	22.1	
	515	20.0	19.4	
	516	20.0	19.4	
	517	17.6	17.6	
	518	17.6	17.6	
	519	23.8	20.9	
	520	23.8	20.9	
E0.2M	601	19.1	19.0	
	602	19.1	19.0	
	603	22.0	21.0	
	604	22.0	21.0	

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal	Day		
		ID	315	343
E0.2M	605	21.1	21.9	
	606	21.1	21.9	
	607	18.7	19.0	
	608	18.7	19.0	
	609	22.1	20.9	
	610	22.1	20.9	
	611	23.0	22.5	
	612	23.0	22.5	
	613	13.2	22.2	
	614	13.2	22.2	
	615	18.3	18.6	
	616	18.3	18.6	
	617	19.6	20.9	
	618	19.6	20.9	
E2M	619	19.3	18.9	
	620	19.3	18.9	
	701	22.7	21.7	
	702	22.7	21.7	
	703	21.3	21.7	
	704	21.3	21.7	
	705	20.6	19.7	
	706	20.6	19.7	
	707	19.3	21.1	
	708	19.3	21.1	
	709	20.5	19.1	
	710	20.5	19.1	
	711	21.1	22.2	
	712	21.1	22.2	

Table C-5. Individual Animal Average Food Consumed (g) per Day Data – Males

Group	Animal	Day		
		ID	315	343
E2M	713	23.4	20.4	
	714	23.4	20.4	
	715	30.1	28.6	
	716	30.1	28.6	
	717	17.7	21.1	
	718	17.7	21.1	
	719	19.5	20.1	
	720	19.5	20.1	
	801	22.9	23.8	
	802	22.9	23.8	
E5M	803	24.0	22.1	
	804	24.0	22.1	
	805	19.1	18.7	
	806	19.1	18.7	
	807	18.8	18.9	
	808	18.8	18.9	
	809	18.3	18.7	
	810	18.3	18.7	
	811	21.8	20.7	
	812	21.8	20.7	
	813	21.6	23.4	
	814	21.6	23.4	
	815	23.5	22.8	
	816	23.5	22.8	
	817	20.6	21.5	
	818	20.6	21.5	
	819	23.7	21.9	
	820	23.7	21.9	

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	ID	Day									
		7	14	21	28	35	42	49	56	63	70
CF	1101	14.6	14.6	14.5	14.1	14.6	14.6	14.9	15.3	15.7	17.0
	1102	14.6	14.6	14.5	14.1	14.6	14.6	14.9	15.3	15.7	17.0
	1103	14.6	14.6	14.5	14.1	14.6	14.6	14.9	15.3	15.7	17.0
	1104	13.6	15.0	15.4	15.2	15.2	14.7	15.0	15.1	15.1	14.8
	1105	13.6	15.0	15.4	15.2	15.2	14.7	15.0	15.1	15.1	14.8
	1106	13.6	15.0	15.4	15.2	15.2	14.7	15.0	15.1	15.1	14.8
	1107	13.6	14.0	14.3	14.3	15.5	14.6	14.7	14.8	15.8	14.9
	1108	13.6	14.0	14.3	14.3	15.5	14.6	14.7	14.8	15.8	14.9
	1109	13.6	14.0	14.3	14.3	15.5	14.6	14.7	14.8	15.8	14.9
	1110	14.1	15.1	14.8	15.1	15.1	15.3	15.6	15.6	15.6	15.2
	1111	14.1	15.1	14.8	15.1	15.1	15.3	15.6	15.6	15.6	15.2
	1112	14.1	15.1	14.8	15.1	15.1	15.3	15.6	15.6	15.6	15.2
	1113	15.3	15.1	16.3	16.4	15.8	15.6	15.4	15.4	16.1	15.5
	1114	15.3	15.1	16.3	16.4	15.8	15.6	15.4	15.4	16.1	15.5
	1115	15.3	15.1	16.3	16.4	15.8	15.6	15.4	15.4	16.1	15.5
	1116	13.8	14.7	15.1	15.1	16.1	16.1			15.2	15.0
	1117	13.8	14.7	15.1	15.1	16.1	16.1			15.2	15.0
	1118	13.8	14.7	15.1	15.1	16.1	16.1			15.2	15.0
	1119	13.5	15.0	15.0	15.0	15.0	13.7	15.1	15.1	13.8	13.9
	1120	13.5	15.0	15.0	15.0	15.0	13.7	15.1	15.1	13.8	13.9
B0.2F	1301	13.8	14.4	14.8	15.1	14.6	15.9	14.1	14.2		14.4
	1302	13.8	14.4	14.8	15.1	14.6	15.9	14.1	14.2		14.4
	1303	13.8	14.4	14.8	15.1	14.6	15.9	14.1	14.2		14.4
	1304	13.3	15.4	15.8	15.7	15.5	15.3	15.1	15.4		15.3
	1305	13.3	15.4	15.8	15.7	15.5	15.3	15.1	15.4		15.3
	1306	13.3	15.4	15.8	15.7	15.5	15.3	15.1	15.4		15.3
	1307	13.8	15.8	15.5	15.8	16.0	15.1	15.2	15.9	17.0	16.4
	1308	13.8	15.8	15.5	15.8	16.0	15.1	15.2	15.9	17.0	16.4

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal ID	Day									
		7	14	21	28	35	42	49	56	63	70
B0.2F	1309	13.8	15.8	15.5	15.8	16.0	15.1	15.2	15.9	17.0	16.4
	1310	15.6	15.3	16.1	14.7	14.5	15.0	15.4	15.7		15.9
	1311	15.6	15.3	16.1	14.7	14.5	15.0	15.4	15.7		15.9
	1312	15.6	15.3	16.1	14.7	14.5	15.0	15.4	15.7		15.9
	1313	14.2	15.6	14.7	14.7	15.3	14.4	14.1	14.3	16.6	15.7
	1314	14.2	15.6	14.7	14.7	15.3	14.4	14.1	14.3	16.6	15.7
	1315	14.2	15.6	14.7	14.7	15.3	14.4	14.1	14.3	16.6	15.7
	1316	13.5	14.2	15.4	15.1	14.6	15.3	14.1	13.3	14.0	14.1
	1317	13.5	14.2	15.4	15.1	14.6	15.3	14.1	13.3	14.0	14.1
	1318	13.5	14.2	15.4	15.1	14.6	15.3	14.1	13.3	14.0	14.1
B2F	1319	15.2	17.1	16.3	16.8	17.8	17.0	17.0	16.6		16.7
	1320	15.2	17.1	16.3	16.8	17.8	17.0	17.0	16.6		16.7
	1401	13.2	13.5	14.1	14.0	13.8	13.9	14.1	13.6	14.6	14.2
	1402	13.2	13.5	14.1	14.0	13.8	13.9	14.1	13.6	14.6	14.2
	1403	13.2	13.5	14.1	14.0	13.8	13.9	14.1	13.6	14.6	14.2
	1404	11.6	12.9	13.7	13.3	13.7	13.4	13.7	13.6	13.3	12.9
	1405	11.6	12.9	13.7	13.3	13.7	13.4	13.7	13.6	13.3	12.9
	1406	11.6	12.9	13.7	13.3	13.7	13.4	13.7	13.6	13.3	12.9
	1407	13.1	14.1	14.2	14.0	14.4	15.7	14.9	13.7	14.7	13.6
	1408	13.1	14.1	14.2	14.0	14.4	15.7	14.9	13.7	14.7	13.6
	1409	13.1	14.1	14.2	14.0	14.4	15.7	14.9	13.7	14.7	13.6
	1410	14.3	14.0	14.5	14.9	14.8	15.0	14.9	16.1	15.1	16.4
	1411	14.3	14.0	14.5	14.9	14.8	15.0	14.9	16.1	15.1	16.4
	1412	14.3	14.0	14.5	14.9	14.8	15.0	14.9	16.1	15.1	16.4
	1413	12.3	13.4	14.2	13.8	14.2	14.0	14.5	12.9	14.4	14.4
	1414	12.3	13.4	14.2	13.8	14.2	14.0	14.5	12.9	14.4	14.4
	1415	12.3	13.4	14.2	13.8	14.2	14.0	14.5	12.9	14.4	14.4
	1416	14.4	14.8	15.0	14.8	15.4	15.0	14.9	14.7	12.0	

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	ID	Day									
		7	14	21	28	35	42	49	56	63	70
B2F	1417	14.4	14.8	15.0	14.8	15.4	15.0	14.9		14.7	12.0
	1418	14.4	14.8	15.0	14.8	15.4	15.0	14.9		14.7	12.0
	1419	12.4	13.4	12.2	13.6	14.5	15.3	15.0	14.1	13.9	14.1
	1420	12.4	13.4	12.2	13.6	14.5	15.3	15.0	14.1	13.9	14.1
B5F	1501	12.3	13.0	12.2	11.9	10.9	11.3	11.5	11.6	11.3	11.2
	1502	12.3	13.0	12.2	11.9	10.9	11.3	11.5	11.6	11.3	11.2
	1503	12.3	13.0	12.2	11.9	10.9	11.3	11.5	11.6	11.3	11.2
	1504	11.4	13.4	14.2	13.7	13.1	12.5	13.2	12.5	12.0	12.5
	1505	11.4	13.4	14.2	13.7	13.1	12.5	13.2	12.5	12.0	12.5
	1506	11.4	13.4	14.2	13.7	13.1	12.5	13.2	12.5	12.0	12.5
	1507	11.2	11.7	12.0	11.6	11.3	11.1	11.1	11.6	11.1	11.5
	1508	11.2	11.7	12.0	11.6	11.3	11.1	11.1	11.6	11.1	11.5
	1509	11.2	11.7	12.0	11.6	11.3	11.1	11.1	11.6	11.1	11.5
	1510	12.5	13.1	13.1	12.8	12.2	12.4	13.5		11.3	11.8
	1511	12.5	13.1	13.1	12.8	12.2	12.4	13.5		11.3	11.8
	1512	12.5	13.1	13.1	12.8	12.2	12.4	13.5		11.3	11.8
	1513	13.1	14.5	13.8	13.1	12.6	12.9	12.7		12.2	12.2
	1514	13.1	14.5	13.8	13.1	12.6	12.9	12.7		12.2	12.2
	1515	13.1	14.5	13.8	13.1	12.6	12.9	12.7		12.2	12.2
	1516	13.2	14.3	15.3	14.5	13.2	14.2	13.5	13.7	12.5	13.2
	1517	13.2	14.3	15.3	14.5	13.2	14.2	13.5	13.7	12.5	13.2
	1518	13.2	14.3	15.3	14.5	13.2	14.2	13.5	13.7	12.5	13.2
	1519	13.0	13.7	13.8	13.1	14.0	13.9	13.0	13.7	13.6	13.1
	1520	13.0	13.7	13.8	13.1	14.0	13.9	13.0	13.7	13.6	13.1
E0.2F	1601	14.5	14.8	15.2	15.1	14.8	14.9	14.6	14.1	14.4	15.2
	1602	14.5	14.8	15.2	15.1	14.8	14.9	14.6	14.1	14.4	15.2
	1603	14.5	14.8	15.2	15.1	14.8	14.9	14.6	14.1	14.4	15.2
	1604	15.1	15.3	15.8	14.8	15.8	15.0	15.7	15.1		16.0

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal ID	Day								
		7	14	21	28	35	42	49	56	63
E0.2F	1605	15.1	15.3	15.8	14.8	15.8	15.0	15.7	15.1	16.0
	1606	15.1	15.3	15.8	14.8	15.8	15.0	15.7	15.1	16.0
	1607	15.6	16.4	16.0	16.6	17.7	17.2	16.0	16.9	16.6
	1608	15.6	16.4	16.0	16.6	17.7	17.2	16.0	16.9	16.6
	1609	15.6	16.4	16.0	16.6	17.7	17.2	16.0	16.9	16.6
	1610	15.2	16.4	15.8	15.1	16.4	15.1	15.2	15.5	14.7
	1611	15.2	16.4	15.8	15.1	16.4	15.1	15.2	15.5	14.7
	1612	15.2	16.4	15.8	15.1	16.4	15.1	15.2	15.5	15.5
	1613	13.8	15.5	15.6	14.8	14.8	14.3	14.2	13.6	15.2
	1614	13.8	15.5	15.6	14.8	14.8	14.3	14.2	13.6	15.2
	1615	13.8	15.5	15.6	14.8	14.8	14.3	14.2	13.6	15.2
	1616	12.8	14.6	14.5	14.3	13.8	14.1	13.4	13.4	14.2
E2F	1617	12.8	14.6	14.5	14.3	13.8	14.1	13.4	13.4	14.2
	1618	12.8	14.6	14.5	14.3	13.8	14.1	13.4	13.4	14.2
	1619	15.2	15.5	16.2	16.5	17.0	16.1	16.4	15.9	16.3
	1620	15.2	15.5	16.2	16.5	17.0	16.1	16.4	15.9	16.3
	1701	13.1	13.9	14.3	13.5	13.8	13.2	13.7	14.3	13.1
	1702	13.1	13.9	14.3	13.5	13.8	13.2	13.7	14.3	13.1
	1703	13.1	13.9	14.3	13.5	13.8	13.2	13.7	14.3	13.1
	1704	12.6	13.8	14.1	13.8	13.9	13.4	12.7	13.3	12.8
	1705	12.6	13.8	14.1	13.8	13.9	13.4	12.7	13.3	12.8
	1706	12.6	13.8	14.1	13.8	13.9	13.4	12.7	13.3	12.8
	1707	12.6	13.8	13.5	13.8	13.9	14.1	14.0	13.9	13.5
	1708	12.6	13.8	13.5	13.8	13.9	14.1	14.0	13.9	13.5
	1709	12.6	13.8	13.5	13.8	13.9	14.1	14.0	13.9	13.5
	1710	14.7	15.3	14.5	14.8	15.2	15.3	14.4		17.1
	1711	14.7	15.3	14.5	14.8	15.2	15.3	14.4		17.1
	1712	14.7	15.3	14.5	14.8	15.2	15.3	14.4		17.1

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	ID	Day									
		7	14	21	28	35	42	49	56	63	70
E2F	1713	13.5	14.5	14.7	13.9	13.2	13.5	13.9	14.5	14.1	15.1
	1714	13.5	14.5	14.7	13.9	13.2	13.5	13.9	14.5	14.1	15.1
	1715	13.5	14.5	14.7	13.9	13.2	13.5	13.9	14.5	14.1	15.1
	1716	12.1	13.8	13.8	13.7	14.8	14.5	14.2		14.3	15.2
	1717	12.1	13.8	13.8	13.7	14.8	14.5	14.2		14.3	15.2
	1718	12.1	13.8	13.8	13.7	14.8	14.5	14.2		14.3	15.2
	1719	12.8	14.3	16.1	15.1	14.9	15.2	14.2	14.2	14.0	14.3
	1720	12.8	14.3	16.1	15.1	14.9	15.2	14.2	14.2	14.0	14.3
E5F	1801	13.5	14.6	14.0	14.0	13.6	12.7	12.7	12.7	12.3	12.6
	1802	13.5	14.6	14.0	14.0	13.6	12.7	12.7	12.7	12.3	12.6
	1803	13.5	14.6	14.0	14.0	13.6	12.7	12.7	12.7	12.3	12.6
	1804	12.6	13.7	16.3	14.7	13.3	12.9	13.6	12.9	11.8	12.2
	1805	12.6	13.7	16.3	14.7	13.3	12.9	13.6	12.9	11.8	12.2
	1806	12.6	13.7	16.3	14.7	13.3	12.9	13.6	12.9	11.8	12.2
	1807	12.0	12.9	11.9	11.4	11.3	11.8	11.2		11.7	12.6
	1808	12.0	12.9	11.9	11.4	11.3	11.8	11.2		11.7	12.6
	1809	12.0	12.9	11.9	11.4	11.3	11.8	11.2		11.7	12.6
	1810	13.0	14.5	14.3	14.2	12.7	13.0	12.9	12.9	12.6	13.5
	1811	13.0	14.5	14.3	14.2	12.7	13.0	12.9	12.9	12.6	13.5
	1812	13.0	14.5	14.3	14.2	12.7	13.0	12.9	12.9	12.6	13.5
E8F	1813	13.2	13.5	14.1	13.8	12.4	12.3	13.1	12.4	12.1	12.7
	1814	13.2	13.5	14.1	13.8	12.4	12.3	13.1	12.4	12.1	12.7
	1815	13.2	13.5	14.1	13.8	12.4	12.3	13.1	12.4	12.1	12.7
	1816	12.2	13.1	13.4	13.5	12.3	12.6	11.3	11.7	10.6	12.0
	1817	12.2	13.1	13.4	13.5	12.3	12.6	11.3	11.7	10.6	12.0
	1818	12.2	13.1	13.4	13.5	12.3	12.6	11.3	11.7	10.6	12.0
	1819	11.6	12.4	13.6	13.1	12.6	12.9	11.8	13.1	11.7	11.7
	1820	11.6	12.4	13.6	13.1	12.6	12.9	11.8	13.1	11.7	11.7

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	ID	Day									
		77	84	91	119	147	175	203	231	259	287
CF	1101	15.5	15.5	14.8	16.1	14.6	13.0	14.6	12.5	15.6	16.3
	1102	15.5	15.5	14.8	16.1	14.6	13.0	14.6	12.5	15.6	16.3
	1103	15.5	15.5	14.8	16.1	14.6	13.0	14.6	12.5	15.6	16.3
	1104	14.8	15.2	14.2	14.6	14.3	13.6	14.1	13.9	14.5	15.1
	1105	14.8	15.2	14.2	14.6	14.3	13.6	14.1	13.9	14.5	15.1
	1106	14.8	15.2	14.2	14.6	14.3	13.6	14.1	13.9	14.5	15.1
	1107	14.2	14.7	15.3	15.8	14.7	13.4	14.6	13.9	14.8	15.7
	1108	14.2	14.7	15.3	15.8	14.7	13.4	14.6	13.9	14.8	15.7
	1109	14.2	14.7	15.3	15.8	14.7	13.4	14.6	13.9	14.8	15.7
	1110	16.1	15.5	15.4	15.6	15.8	14.9	15.5	15.8	15.7	17.4
	1111	16.1	15.5	15.4	15.6	15.8	14.9	15.5	15.8	15.7	17.4
	1112	16.1	15.5	15.4	15.6	15.8	14.9	15.5	15.8	15.7	17.4
	1113	16.3	16.0	14.9	14.4	15.3	13.8	15.7	15.2	15.5	17.3
	1114	16.3	16.0	14.9	14.4	15.3	13.8	15.7	15.2	15.5	17.3
	1115	16.3	16.0	14.9	14.4	15.3	13.8	15.7	15.2	15.5	17.3
	1116	15.0		14.6	15.8	14.8	13.4	15.6	14.3	14.8	15.6
	1117	15.0		14.6	15.8	14.8	13.4	15.6	14.3	14.8	15.6
	1118	15.0		14.6	15.8	14.8	13.4	15.6	14.3	14.8	15.6
	1119	13.0	14.0	13.8	13.6	13.1	12.3	13.3	13.7	13.8	14.7
	1120	13.0	14.0	13.8	13.6	13.1	12.3	13.3	13.7	13.8	14.7
B0.2F	1301	14.0	13.8	13.1	13.2	13.9	14.3	14.7	13.7	13.1	14.4
	1302	14.0	13.8	13.1	13.2	13.9	14.3	14.7	13.7	13.1	14.4
	1303	14.0	13.8	13.1	13.2	13.9	14.3	14.7	13.7	13.1	14.4
	1304	14.2	14.8	13.5	14.6	14.4	13.4	14.3	14.2	14.6	14.3
	1305	14.2	14.8	13.5	14.6	14.4	13.4	14.3	14.2	14.6	14.3
	1306	14.2	14.8	13.5	14.6	14.4	13.4	14.3	14.2	14.6	14.3
	1307	15.1	16.4	15.3	15.9	14.4	13.9	14.8	14.8	15.1	15.2
	1308	15.1	16.4	15.3	15.9	14.4	13.9	14.8	14.8	15.1	15.2

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal ID	Day									
		77	84	91	119	147	175	203	231	259	287
B0.2F	1309	15.1	16.4	15.3	15.9	14.4	13.9	14.8	14.8	15.1	15.2
	1310	14.1	15.5	13.9	15.2	15.0	15.3	15.5	15.1	14.9	15.7
	1311	14.1	15.5	13.9	15.2	15.0	15.3	15.5	15.1	14.9	15.7
	1312	14.1	15.5	13.9	15.2	15.0	15.3	15.5	15.1	14.9	15.7
	1313	13.7	15.3	14.9	15.4	14.2	13.3	15.4	15.0	14.9	15.3
	1314	13.7	15.3	14.9	15.4	14.2	13.3	15.4	15.0	14.9	15.3
	1315	13.7	15.3	14.9	15.4	14.2	13.3	15.4	15.0	14.9	15.3
	1316	13.3	14.7	14.1	14.4	14.2	13.0	14.5	14.4	14.2	14.2
	1317	13.3	14.7	14.1	14.4	14.2	13.0	14.5	14.4	14.2	14.2
	1318	13.3	14.7	14.1	14.4	14.2	13.0	14.5	14.4	14.2	14.2
B2F	1319	16.6	16.8	16.6	16.5	16.1	16.3	16.5	16.7	16.2	16.0
	1320	16.6	16.8	16.6	16.5	16.1	16.3	16.5	16.7	16.2	16.0
	1401	12.4	14.5	13.8	14.5	16.2	14.4	14.7	15.1	14.2	15.8
	1402	12.4	14.5	13.8	14.5	16.2	14.4	14.7	15.1	14.2	15.8
	1403	12.4	14.5	13.8	14.5	16.2	14.4	14.7	15.1	14.2	15.8
	1404	14.1	13.7	13.3	13.7	15.8	13.6	13.4	14.1	13.7	14.0
	1405	14.1	13.7	13.3	13.7	15.8	13.6	13.4	14.1	13.7	14.0
	1406	14.1	13.7	13.3	13.7	15.8	13.6	13.4	14.1	13.7	14.0
	1407	14.1	15.3	14.6	14.4	14.3	13.0	14.1	14.9	14.6	14.3
	1408	14.1	15.3	14.6	14.4	14.3	13.0	14.1	14.9	14.6	14.3
	1409	14.1	15.3	14.6	14.4	14.3	13.0	14.1	14.9	14.6	14.3
	1410	14.7	16.7	15.7	16.0	16.0	14.4	14.7	14.9	16.9	14.8
	1411	14.7	16.7	15.7	16.0	16.0	14.4	14.7	14.9	16.9	14.8
	1412	14.7	16.7	15.7	16.0	16.0	14.4	14.7	14.9	16.9	14.8
	1413	14.0	15.0	14.0	14.5	14.8	13.9	15.3	14.3	15.5	16.0
	1414	14.0	15.0	14.0	14.5	14.8	13.9	15.3	14.3	15.5	16.0
	1415	14.0	15.0	14.0	14.5	14.8	13.9	15.3	14.3	15.5	16.0
	1416	14.2	15.0	14.6	14.5	14.4	14.0	15.0	16.0	15.0	16.6

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal ID	Day									
		77	84	91	119	147	175	203	231	259	287
B2F	1417	14.2	15.0	14.6	14.5	14.4	14.0	15.0	16.0	15.0	16.6
	1418	14.2	15.0	14.6	14.5	14.4	14.0	15.0	16.0	15.0	16.6
	1419	13.9	15.1	13.9	14.6	15.6	18.0	14.4	15.8	14.2	15.1
	1420	13.9	15.1	13.9	14.6	15.6	18.0	14.4	15.8	14.2	15.1
B5F	1501	11.3	11.6	10.9	11.0	11.9	10.3	11.5	11.6	11.1	12.1
	1502	11.3	11.6	10.9	11.0	11.9	10.3	11.5	11.6	11.1	12.1
	1503	11.3	11.6	10.9	11.0	11.9	10.3	11.5	11.6	11.1	12.1
	1504	11.4	12.4	12.2	12.2	12.8	12.0	11.5	13.1	12.1	12.4
	1505	11.4	12.4	12.2	12.2	12.8	12.0	11.5	13.1	12.1	12.4
	1506	11.4	12.4	12.2	12.2	12.8	12.0	11.5	13.1	12.1	12.4
	1507	10.1	11.4	10.3	10.8	11.2	10.5	10.8	11.4	10.6	10.5
	1508	10.1	11.4	10.3	10.8	11.2	10.5	10.8	11.4	10.6	10.5
	1509	10.1	11.4	10.3	10.8	11.2	10.5	10.8	11.4	10.6	10.5
	1510	11.0	12.3	11.2	12.1	11.2	10.9	11.5	11.6	10.9	11.2
	1511	11.0	12.3	11.2	12.1	11.2	10.9	11.5	11.6	10.9	11.2
	1512	11.0	12.3	11.2	12.1	11.2	10.9	11.5	11.6	10.9	11.2
	1513	12.1	12.3	11.7	12.2	13.2	12.0	12.7	12.6	13.4	13.0
	1514	12.1	12.3	11.7	12.2	13.2	12.0	12.7	12.6	13.4	13.0
	1515	12.1	12.3	11.7	12.2	13.2	12.0	12.7	12.6	13.4	13.0
	1516	12.0	13.3	11.9	12.2	11.7	11.3	12.8	12.5	11.4	12.4
	1517	12.0	13.3	11.9	12.2	11.7	11.3	12.8	12.5	11.4	12.4
	1518	12.0	13.3	11.9	12.2	11.7	11.3	12.8	12.5	11.4	12.4
	1519	12.5	13.0	12.8	12.6	13.2	12.2	12.9	13.0	12.8	12.8
	1520	12.5	13.0	12.8	12.6	13.2	12.2	12.9	13.0	12.8	12.8
E0.2F	1601	13.8	14.3	14.0	14.1	15.5	13.8	14.9	15.3	15.0	16.7
	1602	13.8	14.3	14.0	14.1	15.5	13.8	14.9	15.3	15.0	16.7
	1603	13.8	14.3	14.0	14.1	15.5	13.8	14.9	15.3	15.0	16.7
	1604	15.8	15.4	15.2	15.3	16.8	13.8	15.5	15.8	15.9	15.7

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal ID	Day									
		77	84	91	119	147	175	203	231	259	287
E0.2F	1605	15.8	15.4	15.2	15.3	16.8	13.8	15.5	15.8	15.9	15.7
	1606	15.8	15.4	15.2	15.3	16.8	13.8	15.5	15.8	15.9	15.7
	1607	15.2	16.9	16.4	16.5	17.8	15.9	16.7	17.3	17.8	17.9
	1608	15.2	16.9	16.4	16.5	17.8	15.9	16.7	17.3	17.8	17.9
	1609	15.2	16.9	16.4	16.5	17.8	15.9	16.7	17.3	17.8	17.9
	1610	14.4	14.8	14.8	15.1	14.9	15.3	14.3	15.6	17.2	16.3
	1611	14.4	14.8	14.8	15.1	14.9	15.3	14.3	15.6	17.2	16.3
	1612	14.4	14.8	14.8	15.1	14.9	15.3	14.3	15.6	17.2	16.3
	1613	13.5	14.4	13.8	15.3	15.2	14.2	14.9	15.4	16.2	14.5
	1614	13.5	14.4	13.8	15.3	15.2	14.2	14.9	15.4	16.2	14.5
	1615	13.5	14.4	13.8	15.3	15.2	14.2	14.9	15.4	16.2	14.5
E2F	1616	11.0	15.7	14.1	12.6	12.5	12.1	11.9	12.7	12.9	12.7
	1617	11.0	15.7	14.1	12.6	12.5	12.1	11.9	12.7	12.9	12.7
	1618	11.0	15.7	14.1	12.6	12.5	12.1	11.9	12.7	12.9	12.7
	1619	15.9	16.2	15.5	15.8	15.2	14.8	14.6	15.4	16.0	17.5
	1620	15.9	16.2	15.5	15.8	15.2	14.8	14.6	15.4	16.0	17.5
	1701	13.8	14.4	13.2	14.6	15.3	13.5	14.7	14.1	14.8	15.6
	1702	13.8	14.4	13.2	14.6	15.3	13.5	14.7	14.1	14.8	15.6
	1703	13.8	14.4	13.2	14.6	15.3	13.5	14.7	14.1	14.8	15.6
	1704	13.1	14.4	12.7	13.4	15.1	13.0	12.6	13.9	13.6	13.3
	1705	13.1	14.4	12.7	13.4	15.1	13.0	12.6	13.9	13.6	13.3
	1706	13.1	14.4	12.7	13.4	15.1	13.0	12.6	13.9	13.6	13.3
	1707	13.7	14.2	14.1	13.3	14.6	13.9	14.1	14.5	14.3	14.1
	1708	13.7	14.2	14.1	13.3	14.6	13.9	14.1	14.5	14.3	14.1
	1709	13.7	14.2	14.1	13.3	14.6	13.9	14.1	14.5	14.3	14.1
	1710	15.7	15.3	15.7	16.8	16.9	16.5	17.7	15.4	17.5	15.3
	1711	15.7	15.3	15.7	16.8	16.9	16.5	17.7	15.4	17.5	15.3
	1712	15.7	15.3	15.7	16.8	16.9	16.5	17.7	15.4	17.5	15.3

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	ID	Day									
		77	84	91	119	147	175	203	231	259	287
E2F	1713	14.2	15.3	14.6	15.1	15.9	13.7	14.5	13.7	14.3	14.6
	1714	14.2	15.3	14.6	15.1	15.9	13.7	14.5	13.7	14.3	14.6
	1715	14.2	15.3	14.6	15.1	15.9	13.7	14.5	13.7	14.3	14.6
	1716	14.3	15.3	15.5	15.0	15.4	13.6	15.2	16.1	15.3	14.7
	1717	14.3	15.3	15.5	15.0	15.4	13.6	15.2	16.1	15.3	14.7
	1718	14.3	15.3	15.5	15.0	15.4	13.6	15.2	16.1	15.3	14.7
	1719	13.6	14.2	14.7	13.9	14.0	14.1	14.0	15.7	11.5	15.1
	1720	13.6	14.2	14.7	13.9	14.0	14.1	14.0	15.7	11.5	15.1
E5F	1801	13.4	12.9	12.5	12.6	12.9	12.7	14.0	10.2	14.5	15.6
	1802	13.4	12.9	12.5	12.6	12.9	12.7	14.0	10.2	14.5	15.6
	1803	13.4	12.9	12.5	12.6	12.9	12.7	14.0	10.2	14.5	15.6
	1804	12.5	13.4	12.9	12.2	11.8	11.9	12.9	13.0	12.4	12.2
	1805	12.5	13.4	12.9	12.2	11.8	11.9	12.9	13.0	12.4	12.2
	1806	12.5	13.4	12.9	12.2	11.8	11.9	12.9	13.0	12.4	12.2
	1807	11.7	12.4	11.8	12.2	12.2	11.8	11.7	12.3	12.6	12.6
	1808	11.7	12.4	11.8	12.2	12.2	11.8	11.7	12.3	12.6	12.6
	1809	11.7	12.4	11.8	12.2	12.2	11.8	11.7	12.3	12.6	12.6
	1810	12.3	12.8	12.3	12.7	13.4	13.0	13.1	14.2	13.4	13.7
	1811	12.3	12.8	12.3	12.7	13.4	13.0	13.1	14.2	13.4	13.7
	1812	12.3	12.8	12.3	12.7	13.4	13.0	13.1	14.2	13.4	13.7
	1813	12.5	12.5	12.3	13.0	13.1	13.1	13.2	13.1	13.4	13.5
	1814	12.5	12.5	12.3	13.0	13.1	13.1	13.2	13.1	13.4	13.5
	1815	12.5	12.5	12.3	13.0	13.1	13.1	13.2	13.1	13.4	13.5
	1816	11.1	11.5	11.4	10.9	11.2	11.1	11.6	12.1	10.7	11.7
	1817	11.1	11.5	11.4	10.9	11.2	11.1	11.6	12.1	10.7	11.7
	1818	11.1	11.5	11.4	10.9	11.2	11.1	11.6	12.1	10.7	11.7
	1819	11.9	10.6	12.1		12.0	11.7	11.5	12.4	12.5	12.2
	1820	11.9	10.6	12.1		12.0	11.7	11.5	12.4	12.5	12.2

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal ID	Day	
		315	343
CF	1101	14.3	16.6
	1102	14.3	16.6
	1103	14.3	16.6
	1104	15.0	14.0
	1105	15.0	14.0
	1106	15.0	14.0
	1107	16.9	14.3
	1108	16.9	14.3
	1109	16.9	14.3
	1110	16.3	17.2
	1111	16.3	17.2
	1112	16.3	17.2
	1113	15.9	18.6
	1114	15.9	18.6
	1115	15.9	18.6
	1116	15.5	15.8
	1117	15.5	15.8
	1118	15.5	15.8
	1119	13.8	15.4
	1120	13.8	15.4
B0.2F	1301	13.6	14.0
	1302	13.6	14.0
	1303	13.6	14.0
	1304	13.6	13.2
	1305	13.6	13.2
	1306	13.6	13.2
	1307	14.1	14.9
	1308	14.1	14.9

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal	Day		
		ID	315	343
B0.2F	1309	14.1	14.9	
	1310	15.3	15.2	
	1311	15.3	15.2	
	1312	15.3	15.2	
	1313	14.7	14.2	
	1314	14.7	14.2	
	1315	14.7	14.2	
	1316	14.3	14.4	
	1317	14.3	14.4	
	1318	14.3	14.4	
B2F	1319	17.3	15.5	
	1320	17.3	15.5	
	1401	16.0	14.5	
	1402	16.0	14.5	
	1403	16.0	14.5	
	1404	14.5	13.0	
	1405	14.5	13.0	
	1406	14.5	13.0	
	1407	15.4	14.2	
	1408	15.4	14.2	
	1409	15.4	14.2	
	1410	15.4	15.0	
	1411	15.4	15.0	
	1412	15.4	15.0	
	1413	14.8	14.6	
	1414	14.8	14.6	
	1415	14.8	14.6	
	1416	18.4	16.7	

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal	Day		
		ID	315	343
B2F	1417	18.4	16.7	
	1418	18.4	16.7	
	1419	15.0	15.7	
	1420	15.0	15.7	
B5F	1501	12.5	12.1	
	1502	12.5	12.1	
	1503	12.5	12.1	
	1504	13.3	12.5	
	1505	13.3	12.5	
	1506	13.3	12.5	
	1507	10.8	10.9	
	1508	10.8	10.9	
	1509	10.8	10.9	
	1510	11.0	11.5	
	1511	11.0	11.5	
	1512	11.0	11.5	
	1513	11.5	12.9	
	1514	11.5	12.9	
E0.2F	1515	11.5	12.9	
	1516			
	1517	12.7	13.1	
	1518	12.7	13.1	
	1519	13.5	12.7	
	1520	13.5	12.7	
	1601	18.9	15.2	
	1602	18.9	15.2	
	1603	18.9	15.2	
	1604	17.9	15.0	

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal	Day		
		ID	315	343
E0.2F	1605	17.9	15.0	
	1606	17.9	15.0	
	1607	19.1	18.2	
	1608	19.1	18.2	
	1609	19.1	18.2	
	1610	18.3	13.9	
	1611	18.3	13.9	
	1612	18.3	13.9	
	1613	14.6	5.1	
	1614	14.6	5.1	
E2F	1615	14.6	5.1	
	1616	12.6	12.0	
	1617	12.6	12.0	
	1618	12.6	12.0	
	1619	15.2	15.7	
	1620	15.2	15.7	
	1701	15.5	14.1	
	1702	15.5	14.1	
	1703	15.5	14.1	
	1704	13.5	13.2	
	1705	13.5	13.2	
	1706	13.5	13.2	
	1707	14.3	14.2	
	1708	14.3	14.2	
	1709	14.3	14.2	
	1710	16.1	16.3	
	1711	16.1	16.3	
	1712	16.1	16.3	

Table C-6. Individual Animal Average Food Consumed (g) per Day Data – Females

Group	Animal	Day		
		ID	315	343
E2F	1713	14.5	15.7	
	1714	14.5	15.7	
	1715	14.5	15.7	
	1716	15.6	14.4	
	1717	15.6	14.4	
	1718	15.6	14.4	
	1719	14.7	15.0	
	1720	14.7	15.0	
	1801	14.5	13.9	
	1802	14.5	13.9	
E5F	1803	14.5	13.9	
	1804	12.4	12.1	
	1805	12.4	12.1	
	1806	12.4	12.1	
	1807	12.7	12.3	
	1808	12.7	12.3	
	1809	12.7	12.3	
	1810	13.0	13.2	
	1811	13.0	13.2	
	1812	13.0	13.2	
	1813	13.2	13.1	
	1814	13.2	13.1	
	1815	13.2	13.1	
	1816	11.0	11.4	
	1817	11.0	11.4	
	1818	11.0	11.4	
	1819	11.8	11.9	
	1820	11.8	11.9	

Table C-7. Individual Animal Hematology Data – Males

Group	Animal		Red Blood Cell		Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	ID	Day	Count (10 ⁶ /µL)	Hemoglobin (g/dL)			
CM	101	365	8.08	15.4	45.8	56.7	19.0
	102	365	9.11	15.5	49.8	54.7	17.0
	103	365	7.62	15.0	45.3	59.5	19.7
	104	365	9.57	17.4	54.2	56.7	18.2
	105	365	9.15	15.7	50.7	55.4	17.2
	106	365	8.57	15.8	48.3	56.4	18.4
	107	365	7.90	15.0	45.3	57.3	18.9
	108	365	8.50	14.9	46.9	55.2	17.5
	109	365	8.97	14.9	48.2	53.7	16.6
	110	365	8.98	15.8	49.2	54.7	17.6
	111	367	8.79	15.1	48.3	55.0	17.2
	112	367	8.16	14.5	44.2	54.1	17.8
B0.2M	114	367	8.58	14.9	47.0	54.7	17.4
	115	367	8.00	14.0	45.0	56.2	17.5
	116	367	8.43	14.5	45.8	54.3	17.2
	117	367	9.04	15.3	50.8	56.1	16.9
	118	367	9.10	15.0	49.6	54.5	16.5
	119	367	8.11	14.4	45.7	56.3	17.8
	120	367	8.88	15.4	48.7	54.8	17.4
	301	365	9.10	15.4	48.2	53.0	16.9
	302	365	8.65	15.2	47.2	54.6	17.6
	303	365	7.96	16.1	47.6	59.8	20.2
	304	365	8.97	15.3	49.4	55.1	17.1
	305	365	8.53	14.7	46.1	54.1	17.2
	306	365	8.13	14.2	45.3	55.8	17.4
	307	365	8.31	14.5	46.3	55.7	17.5

Table C-7. Individual Animal Hematology Data – Males

Group	Red Blood Cell			Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	Animal ID	Day	Count (10 ⁶ /µL)			
B0.2M	308	365	8.51	14.7	45.4	53.3
	309	365	8.68	15.2	48.7	56.1
	310	365	9.41	15.8	51.6	54.8
	312	367	9.12	14.7	48.4	53.1
	313	367	8.34	14.3	46.6	55.9
	314	367	8.85	14.9	47.5	53.7
	315	367	8.60	14.9	45.4	52.8
	316	367	8.49	15.1	47.6	56.1
	317	367	8.00	15.5	49.4	61.7
	318	367	7.97	15.0	49.9	62.6
	319	367	8.80	15.1	49.3	56.1
	320	367	8.28	15.1	47.3	57.1
B2M	401	365	8.30	15.4	48.8	58.8
	402	365	8.71	15.6	49.2	56.5
	403	365	8.15	14.5	44.1	54.1
	404	365	9.48	16.1	52.1	55.0
	405	365	8.45	14.7	45.8	54.2
	406	365	8.20	14.4	45.5	55.5
	407	365	8.79	15.3	48.9	55.6
	408	365	9.30	15.8	50.1	53.8
	409	365	8.93	14.8	46.1	51.6
	410	365	8.18	14.8	46.3	56.6
	411	367	8.53	16.0	50.3	59.0
	412	367	8.21	14.7	46.2	56.2
	413	367	8.82	15.2	48.6	55.1

Table C-7. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Red Blood Cell		Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
			Count (10 ⁶ /µL)	Hemoglobin (g/dL)			
B2M	414	367	8.06	14.3	46.9	58.2	17.8
	415	367	8.71	15.0	47.6	54.6	17.2
	416	367	8.64	14.8	47.5	55.0	17.1
	417	367	9.01	15.7	50.5	56.1	17.5
	418	367	8.21	14.6	46.4	56.6	17.7
	419	367	7.76	13.7	43.5	56.0	17.6
	420	367	8.58	15.2	48.6	56.6	17.7
B5M	501	365	8.69	16.5	51.0	58.7	19.0
	502	365	9.36	17.1	52.8	56.4	18.2
	503	365	8.95	15.3	47.7	53.3	17.1
	505	365	8.80	15.5	48.0	54.5	17.6
	506	365	9.14	15.6	50.8	55.6	17.1
	507	365	8.86	15.7	49.0	55.4	17.7
	508	365	8.12	14.6	46.3	57.1	18.0
	509	365	8.26	14.6	46.0	55.6	17.6
	510	365	8.05	14.2	44.5	55.3	17.7
	511	367	8.55	14.4	45.3	53.0	16.8
	512	367	8.79	15.2	47.9	54.5	17.3
	513	367	8.64	14.5	47.7	55.2	16.8
	514	367	8.01	14.4	45.4	56.7	18.0
	515	367	8.97	15.2	49.1	54.7	16.9
	516	367	8.73	15.2	48.0	55.0	17.4
	517	367	8.61	15.1	49.0	56.9	17.5
	518	367	8.65	15.2	48.7	56.4	17.6
	519	367	8.57	14.8	49.3	57.6	17.3
	520	367	8.03	14.8	45.9	57.2	18.4

Table C-7. Individual Animal Hematology Data – Males

Group	Red Blood Cell			Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	Animal ID	Day	Count (10 ⁶ /µL)			
E0.2M	601	365	8.45	15.0	49.2	58.2
	602	365	9.12	15.3	48.1	52.7
	603	365	8.38	14.2	44.4	53.0
	604	365	9.92	16.8	55.0	55.4
	605	365	9.50	15.1	49.6	52.2
	606	365	8.51	13.8	45.0	52.8
	607	365	8.00	14.3	45.1	56.4
	608	365	7.34	13.8	41.4	56.4
	609	365	8.10	14.4	45.7	56.4
	610	365	9.85	15.8	51.7	52.5
	611	367	8.65	14.9	47.2	54.6
	612	367	7.93	14.1	44.9	56.6
	613	367	8.80	15.3	48.3	54.9
	614	367	8.72	15.1	47.9	54.9
	615	367	8.49	14.2	45.8	53.9
E2M	616	367	8.34	15.0	47.3	56.8
	617	367	8.17	14.3	45.2	55.3
	618	367	8.85	14.6	47.9	54.1
	619	367	9.13	15.8	51.5	56.4
	620	367	8.43	15.1	47.9	56.8
	701	365	8.71	15.3	48.4	55.6
	702	365	8.11	14.8	45.6	56.2
E2M	704	365	8.18	15.1	45.9	56.1
	705	365	9.43	16.6	53.0	56.2
	706	365	9.24	15.5	50.6	54.8
	707	365	7.84	13.8	44.1	56.2
						17.6

Table C-7. Individual Animal Hematology Data – Males

Group	Red Blood Cell			Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	Animal ID	Day	Count (10 ⁶ /µL)			
E2M	708	365	8.64	15.5	48.2	55.8
	709	365	8.33	14.9	47.7	57.2
	710	365	8.94	15.3	47.3	53.0
	711	367	9.09	15.6	51.4	56.5
	712	367	9.30	15.3	50.5	54.3
	713	367	8.61	14.9	48.0	55.7
	714	367	8.52	14.6	46.6	54.8
	715	367	8.91	15.4	49.8	55.9
	716	367	8.14	15.0	46.6	57.2
	717	367	8.16	14.7	46.1	56.5
	718	367	8.61	14.6	47.9	55.6
	719	367	9.17	15.4	51.1	55.8
	720	367	8.43	15.4	48.1	57.0
E5M	801	365	9.12	15.9	49.8	54.5
	802	365	9.32	15.5	49.8	53.4
	803	365	8.27	14.4	44.9	54.3
	806	365	8.33	15.3	48.7	58.4
	807	365	9.25	15.9	51.8	56.0
	808	365	8.23	13.6	44.3	53.8
	809	365	8.98	15.7	50.3	56.0
	810	365	10.42	17.7	57.8	55.4
	811	367	8.62	15.4	48.2	55.9
	812	367	7.82	14.0	43.9	56.1
	813	367	9.63	16.4	52.7	54.7
	814	367	9.02	15.3	48.4	53.6
	815	367	8.20	14.4	45.0	54.9

Table C-7. Individual Animal Hematology Data – Males

Group	Red Blood Cell			Hemoglobin (g/dL)	Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	Animal ID	Day	Count (10 ⁶ /µL)				
E5M	816	367	8.81	15.2	49.4	56.0	17.3
	817	367	7.84	14.4	44.6	56.8	18.4
	818	367	7.90	13.7	43.9	55.6	17.4
	819	367	8.90	14.6	47.1	52.9	16.4
	820	367	9.04	14.9	47.7	52.8	16.5

Table C-7. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean	Platelet Count (10 ³ /µL)	Reticulocytes (10 ³ /µL)
			Corpuscular Hemoglobin Concentration (g/dL)		
CM	101	365	33.5	712	168.8
	102	365	31.0	666	135.2
	103	365	33.2	423	104.4
	104	365	32.1	498	172.1
	105	365	31.0	756	135.1
	106	365	32.6	612	116.5
	107	365	33.1	635	108.6
	108	365	31.7	692	171.1
	109	365	30.9	854	141.0
	110	365	32.1	890	164.5
	111	367	31.3	872	156.2
	112	367	32.8	619	105.5
B0.2M	114	367	31.8	699	139.3
	115	367	31.1	776	130.1
	116	367	31.7	595	143.6
	117	367	30.1	843	133.0
	118	367	30.2	602	128.4
	119	367	31.6	645	144.8
	120	367	31.7	644	138.3
	301	365	31.8	756	163.0
	302	365	32.3	236	132.2
	303	365	33.8	654	138.5
	304	365	31.0	234	147.3
	305	365	31.9	825	135.5
	306	365	31.2	589	127.0

Table C-7. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean	Platelet Count (10 ³ /µL)	Reticulocytes (10 ³ /µL)
			Corpuscular Hemoglobin Concentration (g/dL)		
B0.2M	307	365	31.4	686	128.1
	308	365	32.3	695	144.1
	309	365	31.2	688	123.7
	310	365	30.7	778	137.5
	312	367	30.3	608	149.5
	313	367	30.6	691	126.2
	314	367	31.4	812	125.8
	315	367	32.9	585	125.6
	316	367	31.8	665	129.7
	317	367	31.3	880	297.8
	318	367	30.0	730	168.0
	319	367	30.5	912	100.5
B2M	320	367	31.8	692	117.6
	401	365	31.6	727	154.7
	402	365	31.6	616	106.0
	403	365	33.0	570	99.2
	404	365	30.8	763	150.8
	405	365	32.2	699	104.8
	406	365	31.6	589	126.6
	407	365	31.3	746	134.2
	408	365	31.6	743	166.6
	409	365	32.1	677	152.9
	410	365	31.9	648	121.2
	411	367	31.7	595	160.9
	412	367	31.9	785	149.9

Table C-7. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean	Platelet Count (10 ³ /µL)	Reticulocytes (10 ³ /µL)
			Corpuscular Hemoglobin Concentration (g/dL)		
B2M	413	367	31.2	692	153.0
	414	367	30.5	646	154.1
	415	367	31.6	857	132.6
	416	367	31.2	717	113.0
	417	367	31.2	798	129.3
	418	367	31.4	665	99.0
	419	367	31.5	756	106.5
	420	367	31.3	672	170.3
	501	365	32.4	596	125.6
B5M	502	365	32.3	615	150.3
	503	365	32.0	685	146.8
	505	365	32.3	634	129.7
	506	365	30.8	704	147.2
	507	365	32.0	606	143.2
	508	365	31.6	817	104.9
	509	365	31.7	699	128.4
	510	365	32.0	577	121.4
	511	367	31.8	699	168.7
	512	367	31.8	596	127.7
	513	367	30.5	785	131.2
	514	367	31.8	483	134.7
	515	367	30.9	767	114.7
	516	367	31.7	731	148.7
	517	367	30.8	793	125.1
	518	367	31.3	855	135.1

Table C-7. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count (10³/µL)	Reticulocytes (10³/µL)
B5M	519	367	30.1	748	159.0
	520	367	32.2	701	121.6
E0.2M	601	365	30.6	779	123.1
	602	365	31.7	813	151.8
	603	365	31.9	624	127.9
	604	365	30.5	697	177.0
	605	365	30.3	817	218.9
	606	365	30.7	690	109.2
	607	365	31.6	730	130.7
	608	365	33.2	754	99.2
	609	365	31.6	725	117.2
	610	365	30.6	387	120.9
	611	367	31.5	585	162.1
	612	367	31.3	638	156.0
	613	367	31.7	511	130.1
	614	367	31.4	978	120.6
	615	367	31.0	646	132.7
	616	367	31.6	763	120.6
	617	367	31.6	600	105.2
E2M	618	367	30.5	683	142.6
	619	367	30.7	773	183.2
	620	367	31.5	597	126.2
	701	365	31.7	651	167.2
E2M	702	365	32.4	634	131.4
	704	365	33.0	577	164.2

Table C-7. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean	Platelet Count (10 ³ /µL)	Reticulocytes (10 ³ /µL)
			Corpuscular Hemoglobin Concentration (g/dL)		
E2M	705	365	31.4	831	173.8
	706	365	30.7	810	169.9
	707	365	31.3	794	114.5
	708	365	32.1	636	158.8
	709	365	31.3	667	155.2
	710	365	32.3	737	159.0
	711	367	30.4	707	118.1
	712	367	30.2	648	134.2
	713	367	31.0	788	131.3
	714	367	31.3	749	124.9
	715	367	30.9	696	135.9
	716	367	32.2	719	160.7
	717	367	32.0	774	105.4
	718	367	30.4	520	76.5
E5M	719	367	30.0	892	127.0
	720	367	32.0	656	122.8
	801	365	32.0	745	142.6
	802	365	31.0	640	126.1
	803	365	32.0	575	123.1
	806	365	31.5	759	103.6
	807	365	30.6	764	152.6
	808	365	30.8	983	185.0
	809	365	31.2	678	143.7
	810	365	30.7	703	126.9
	811	367	32.0	738	144.8

Table C-7. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
			(g/dL)		
E5M	812	367	32.0	767	119.5
	813	367	31.2	549	124.8
	814	367	31.7	838	153.4
	815	367	31.9	705	111.2
	816	367	30.8	599	159.6
	817	367	32.4	694	157.5
	818	367	31.3	771	123.4
	819	367	31.1	668	116.8
	820	367	31.3	831	131.0

Table C-8. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell		Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	ID	Day	Count (10 ⁶ /µL)	Hemoglobin (g/dL)			
CF	1101	366	7.76	14.4	44.5	57.4	18.5
	1103	366	7.87	14.4	45.2	57.4	18.3
	1104	366	8.33	15.3	47.0	56.4	18.4
	1105	366	7.96	14.1	43.3	54.5	17.7
	1106	366	7.69	14.4	44.5	57.8	18.7
	1107	366	8.23	15.3	48.2	58.5	18.6
	1108	366	8.72	16.4	51.4	58.9	18.8
	1109	366	8.68	15.2	47.5	54.7	17.5
	1110	366	7.94	14.8	45.0	56.7	18.7
	1111	367	8.50	15.5	47.9	56.4	18.3
	1112	367	8.06	15.3	47.8	59.3	19.0
	1113	367	8.60	15.3	46.6	54.2	17.8
B0.2F	1114	367	8.32	15.4	45.8	55.0	18.5
	1115	367	8.47	15.5	49.5	58.5	18.3
	1116	367	8.33	14.7	46.3	55.6	17.7
	1117	367	8.44	15.5	48.6	57.6	18.3
	1118	367	8.75	15.9	50.0	57.1	18.1
	1119	367	8.73	15.5	50.1	57.4	17.7
	1120	367	8.27	15.2	47.0	56.9	18.4
	1302	366	8.41	15.2	47.3	56.2	18.1
	1303	366	8.00	14.6	44.8	56.1	18.3
B0.2F	1305	366	7.15	13.5	41.2	57.6	18.9
	1306	366	7.59	14.7	45.5	60.0	19.4
	1307	366	7.77	14.2	43.4	55.9	18.3
	1308	366	8.27	15.2	46.1	55.8	18.4
	1309	366	8.22	15.1	47.6	57.9	18.4

Table C-8. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell		Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	ID	Day	Count (10 ⁶ /µL)	Hemoglobin (g/dL)			
B0.2F	1310	366	8.11	14.8	47.3	58.3	18.2
	1311	367	8.15	14.6	46.1	56.6	17.9
	1312	367	8.12	14.9	47.7	58.7	18.3
	1313	367	8.23	15.3	47.9	58.2	18.6
	1314	367	8.15	15.5	46.1	56.6	19.0
	1315	367	7.87	14.2	43.8	55.6	18.1
	1316	367	8.15	15.3	47.5	58.3	18.7
	1317	367	8.35	15.5	47.8	57.3	18.5
	1318	367	8.34	15.9	48.9	58.6	19.0
	1319	367	7.60	14.5	44.5	58.5	19.0
B2F	1320	367	8.18	14.4	45.9	56.2	17.6
	1401	366	7.88	14.5	43.9	55.7	18.4
	1402	366	9.48	16.6	52.8	55.7	17.6
	1403	366	7.80	14.7	45.0	57.7	18.9
	1404	366	8.04	14.7	45.5	56.6	18.3
	1405	366	8.29	14.7	45.5	54.9	17.7
	1406	366	7.59	14.0	43.6	57.5	18.5
	1407	366	8.70	15.9	49.0	56.4	18.3
	1408	366	8.35	15.8	49.0	58.7	18.9
	1409	366	8.02	15.4	46.9	58.4	19.2
	1410	366	8.47	15.4	48.0	56.7	18.2
	1411	367	8.25	15.4	47.2	57.2	18.7
	1412	367	8.31	15.0	47.4	57.1	18.0
	1413	367	7.77	15.0	45.8	58.9	19.3
	1414	367	7.75	14.6	45.0	58.1	18.8
	1415	367	6.94	13.8	41.6	60.0	19.8

Table C-8. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell		Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	ID	Day	Count (10 ⁶ /µL)	Hemoglobin (g/dL)			
B2F	1416	367	7.60	13.8	42.4	55.9	18.2
	1417	367	7.98	14.1	44.3	55.5	17.6
	1418	367	7.90	14.7	45.9	58.2	18.6
	1419	367	7.52	14.6	45.1	59.9	19.5
	1420	367	7.56	13.9	42.2	55.8	18.4
B5F	1501	366	7.28	13.7	42.1	57.9	18.8
	1502	366	7.99	14.1	43.9	54.9	17.7
	1503	366	7.78	13.6	41.6	53.5	17.5
	1504	366	7.84	15.5	45.5	58.0	19.7
	1505	366	7.17	13.5	42.3	59.1	18.8
	1506	366	7.60	13.9	43.8	57.6	18.3
	1507	366	7.90	14.1	44.0	55.7	17.8
	1508	366	7.38	13.7	43.5	58.9	18.5
	1509	366	8.14	15.6	47.5	58.4	19.2
	1510	366	7.64	13.7	43.5	56.9	17.9
	1511	367	7.00	14.2	42.3	60.4	20.2
	1512	367	7.42	14.2	43.4	58.5	19.1
	1513	367	7.82	14.1	42.6	54.5	18.1
	1514	367	7.45	13.8	41.3	55.4	18.5
	1515	367	7.28	13.4	41.1	56.5	18.4
	1517	367	8.51	15.7	48.4	56.9	18.4
	1518	367	7.77	14.9	46.9	60.4	19.2
	1519	367	8.50	15.8	49.2	57.9	18.6
	1520	367	7.51	13.6	42.7	56.8	18.1

Table C-8. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell		Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	ID	Day	Count (10 ⁶ /µL)	Hemoglobin (g/dL)			
E0.2F	1601	366	7.79	13.8	42.9	55.0	17.7
	1602	366	7.89	13.8	43.4	55.0	17.5
	1604	366	8.11	15.8	46.3	57.1	19.4
	1605	366	8.04	15.2	45.0	56.1	18.9
	1606	366	8.42	15.2	47.9	56.9	18.0
	1607	366	8.22	15.1	48.6	59.1	18.4
	1608	366	8.20	14.8	47.6	58.1	18.0
	1609	366	7.40	13.5	41.9	56.6	18.2
	1610	366	7.71	14.1	43.6	56.6	18.3
	1611	367	7.71	14.7	46.3	60.1	19.0
	1612	367	7.63	14.4	44.4	58.1	18.8
	1613	367	8.02	15.3	46.7	58.2	19.1
	1614	367	7.66	15.1	45.6	59.5	19.7
	1616	367	7.63	14.2	43.2	56.6	18.7
E2F	1617	367	7.25	13.7	42.2	58.2	18.9
	1618	367	8.52	15.3	49.1	57.6	18.0
	1619	367	8.20	15.7	48.7	59.4	19.1
	1620	367	7.93	14.9	46.7	58.8	18.8
	1701	366	7.70	14.9	44.2	57.4	19.4
	1702	366	8.30	15.1	47.2	56.8	18.2
	1703	366	8.39	16.5	48.0	57.3	19.7
	1704	366	8.41	14.3	44.5	52.9	17.0
E2F	1705	366	8.08	14.4	45.1	55.8	17.8
	1706	366	8.64	16.1	49.4	57.2	18.7
	1707	366	7.58	15.0	45.3	59.9	19.8
	1708	366	7.84	14.6	45.6	58.2	18.6

Table C-8. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell		Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	ID	Day	Count (10 ⁶ /µL)	Hemoglobin (g/dL)			
E2F	1709	366	8.19	14.5	46.8	57.1	17.6
	1710	366	8.08	14.9	47.2	58.4	18.5
	1711	367	7.97	14.7	45.3	56.8	18.4
	1712	367	7.87	14.9	45.5	57.8	18.9
	1713	367	7.40	14.3	44.2	59.7	19.3
	1714	367	7.41	14.3	40.8	55.1	19.3
	1715	367	7.78	14.2	45.0	57.9	18.3
	1716	367	7.70	13.9	42.7	55.4	18.1
	1717	367	7.42	14.3	43.3	58.3	19.3
	1718	367	8.59	15.4	47.3	55.0	17.9
E5F	1719	367	7.17	13.6	41.5	57.9	19.0
	1720	367	8.26	14.4	45.7	55.3	17.4
	1801	366	7.46	13.7	41.6	55.8	18.4
	1803	366	7.16	12.9	40.3	56.3	18.0
	1804	366	7.31	13.6	40.7	55.7	18.7
	1805	366	7.95	14.5	45.5	57.2	18.2
	1806	366	8.07	14.3	44.6	55.3	17.8
	1807	366	7.38	13.8	41.8	56.6	18.7
	1808	366	8.55	15.2	48.5	56.7	17.7
	1810	366	8.04	14.3	44.5	55.4	17.8
	1811	367	8.20	15.3	45.9	56.0	18.6
	1812	367	8.38	16.0	48.9	58.4	19.1
	1813	367	7.84	14.2	44.4	56.6	18.1
	1814	367	7.95	14.1	45.8	57.7	17.7
	1815	367	7.70	14.8	44.0	57.1	19.2
	1816	367	7.82	13.6	43.6	55.7	17.4

Table C-8. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell		Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
	ID	Day	Count (10 ⁶ /µL)	Hemoglobin (g/dL)			
E5F	1817	367	7.63	13.9	42.9	56.2	18.2
	1818	367	7.48	14.1	42.8	57.2	18.8
	1819	367	8.78	15.8	48.5	55.3	17.9
	1820	367	8.09	15.1	48.0	59.3	18.7

Table C-8. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
			Corpuscular Hemoglobin Concentration (g/dL)		
CF	1101	366	32.3	630	178.7
	1103	366	31.8	643	152.4
	1104	366	32.7	573	180.7
	1105	366	32.4	582	173.7
	1106	366	32.4	519	193.2
	1107	366	31.8	515	162.6
	1108	366	32.0	631	229.2
	1109	366	32.0	522	177.7
	1110	366	32.9	574	172.5
	1111	367	32.4	595	133.3
	1112	367	32.0	705	149.7
	1113	367	32.8	647	140.2
	1114	367	33.7	667	218.5
	1115	367	31.2	527	189.6
	1116	367	31.8	778	172.1
	1117	367	31.8	521	166.8
	1118	367	31.8	649	178.6
	1119	367	30.9	616	173.9
	1120	367	32.3	590	167.6
B0.2F	1302	366	32.1	684	118.3
	1303	366	32.7	697	186.9
	1305	366	32.8	637	167.1
	1306	366	32.3	567	171.3
	1307	366	32.7	633	143.2
	1308	366	32.9	831	131.3

Table C-8. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
			Corpuscular Hemoglobin Concentration (g/dL)		
B0.2F	1309	366	31.7	573	159.6
	1310	366	31.2	649	189.8
	1311	367	31.7	753	163.3
	1312	367	31.1	518	208.3
	1313	367	32.0	765	177.4
	1314	367	33.6	600	130.5
	1315	367	32.5	622	133.6
	1316	367	32.1	696	167.4
	1317	367	32.3	679	173.9
	1318	367	32.4	889	190.2
B2F	1319	367	32.5	551	134.7
	1320	367	31.4	767	165.1
	1401	366	33.1	670	173.4
	1402	366	31.5	594	187.8
	1403	366	32.8	699	148.9
	1404	366	32.3	622	166.1
	1405	366	32.2	602	166.8
	1406	366	32.2	593	190.6
	1407	366	32.5	567	182.2
	1408	366	32.2	653	244.6
	1409	366	32.8	552	136.2
	1410	366	32.2	456	175.8
	1411	367	32.6	656	185.8
	1412	367	31.6	655	188.3
	1413	367	32.7	578	204.4

Table C-8. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean	Platelet Count (10 ³ /µL)	Reticulocytes (10 ³ /µL)
			Corpuscular Hemoglobin Concentration (g/dL)		
B2F	1414	367	32.4	724	156.7
	1415	367	33.0	722	109.8
	1416	367	32.5	682	164.0
	1417	367	31.7	699	193.2
	1418	367	31.9	558	161.9
	1419	367	32.5	678	149.7
	1420	367	33.0	606	117.0
B5F	1501	366	32.5	799	181.2
	1502	366	32.2	783	194.5
	1503	366	32.8	656	153.2
	1504	366	34.1	646	174.8
	1505	366	31.9	614	114.9
	1506	366	31.7	550	175.8
	1507	366	32.0	690	186.6
	1508	366	31.5	614	185.8
	1509	366	32.9	557	169.4
	1510	366	31.4	651	187.8
	1511	367	33.5	595	156.4
	1512	367	32.7	571	165.0
	1513	367	33.2	762	113.0
	1514	367	33.4	668	140.2
	1515	367	32.5	660	172.7
	1517	367	32.4	510	167.4
	1518	367	31.7	715	160.6
	1519	367	32.1	671	158.5
	1520	367	31.8	504	162.6

Table C-8. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
			Corpuscular Hemoglobin Concentration (g/dL)		
E0.2F	1601	366	32.2	640	151.0
	1602	366	31.9	818	175.9
	1604	366	34.0	581	173.1
	1605	366	33.6	628	191.8
	1606	366	31.6	620	160.2
	1607	366	31.1	621	200.1
	1608	366	31.0	585	142.8
	1609	366	32.1	573	133.2
	1610	366	32.3	630	149.8
	1611	367	31.6	642	94.9
	1612	367	32.4	561	183.1
	1613	367	32.9	639	182.7
	1614	367	33.0	476	150.2
	1616	367	32.9	501	150.2
E2F	1617	367	32.5	566	141.3
	1618	367	31.2	600	169.7
	1619	367	32.1	780	182.2
	1620	367	31.9	759	166.3
	1701	366	33.8	832	183.6
	1702	366	32.1	689	178.1
	1703	366	34.3	524	179.6
E2F	1704	366	32.0	693	150.9
	1705	366	32.0	646	177.4
	1706	366	32.7	558	172.2
	1707	366	33.0	487	182.9

Table C-8. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
			Corpuscular Hemoglobin Concentration (g/dL)		
E2F	1708	366	32.0	586	140.2
	1709	366	30.9	615	167.5
	1710	366	31.6	574	181.5
	1711	367	32.5	643	161.6
	1712	367	32.7	579	193.0
	1713	367	32.3	788	164.8
	1714	367	35.0	512	229.1
	1715	367	31.6	849	174.5
	1716	367	32.6	810	166.5
	1717	367	33.1	723	160.2
E5F	1718	367	32.6	666	203.2
	1719	367	32.9	561	133.5
	1720	367	31.5	760	152.7
	1801	366	33.1	614	203.8
	1803	366	32.1	588	308.3
	1804	366	33.5	585	142.5
	1805	366	31.8	529	124.1
	1806	366	32.1	664	159.9
	1807	366	33.1	766	182.8
	1808	366	31.3	548	175.9
E8F	1810	366	32.2	733	147.5
	1811	367	33.3	734	183.7
	1812	367	32.7	697	188.1
	1813	367	32.0	612	187.5
	1814	367	30.8	952	155.4

Table C-8. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
E5F	1815	367	33.7	732	122.8
	1816	367	31.3	597	202.6
	1817	367	32.4	706	137.9
	1818	367	32.9	831	167.8
	1819	367	32.5	405	136.8
	1820	367	31.6	733	169.5

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal		White Blood Cell Count (10 ³ /µL)	Neutrophils (10 ³ /µL)	Total Lymphocytes (10 ³ /µL)	Monocytes (10 ³ /µL)	Eosinophils (10 ³ /µL)
	ID	Day					
CM	101	365	3.53	0.96	2.42	0.10	0.05
	102	365	4.45	0.94	3.34	0.10	0.05
	103	365	5.33	1.87	3.19	0.14	0.13
	104	365	4.23	0.85	3.30	0.08	0.00
	105	365	7.57	2.07	5.11	0.24	0.13
	106	365	5.39	1.59	3.52	0.20	0.07
	107	365	4.08	1.13	2.76	0.14	0.05
	108	365	4.51	0.73	3.60	0.11	0.06
	109	365	8.23	1.60	6.10	0.30	0.21
	110	365	8.54	1.56	6.58	0.28	0.10
	111	367	5.21	1.49	3.53	0.13	0.05
	112	367	6.74	1.51	4.99	0.15	0.06
	114	367	4.31	1.34	2.77	0.12	0.08
	115	367	4.68	1.06	3.41	0.13	0.07
B0.2M	116	367	5.17	1.32	3.61	0.16	0.07
	117	367	5.48	1.32	3.79	0.24	0.11
	118	367	6.10	1.30	4.53	0.16	0.09
	119	367	6.36	1.14	5.09	0.13	0.00
	120	367	7.18	2.67	4.11	0.31	0.08
	301	365	4.77	0.83	3.77	0.09	0.07
	302	365	4.38	0.83	3.39	0.08	0.08
	303	365	4.78	1.12	3.37	0.19	0.09
	304	365	6.25	1.12	4.85	0.17	0.10
	305	365	4.60	1.35	2.99	0.15	0.10
	306	365	4.05	0.88	2.99	0.12	0.04
	307	365	4.76	1.27	3.25	0.17	0.06
	308	365	6.36	2.07	4.00	0.23	0.05

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	White Blood Cell Count (10³/µL)	Neutrophils (10³/µL)	Total Lymphocytes (10³/µL)	Monocytes (10³/µL)	Eosinophils (10³/µL)
B0.2M	309	365	5.31	1.81	3.40	0.05	0.05
	310	365	6.98	1.49	5.19	0.20	0.08
	312	367	5.24	1.88	3.08	0.17	0.10
	313	367	3.35	0.82	2.36	0.10	0.06
	314	367	6.32	1.01	4.87	0.28	0.13
	315	367	4.93	1.68	2.95	0.20	0.10
	316	367	5.74	1.09	4.39	0.15	0.10
	317	367	4.84	1.46	3.15	0.16	0.05
	318	367	3.45	1.16	2.15	0.08	0.05
	319	367	7.36	1.42	5.63	0.20	0.09
	320	367	5.71	1.15	4.41	0.09	0.07
B2M	401	365	3.13	0.79	2.23	0.08	0.02
	402	365	4.88	0.95	3.78	0.11	0.04
	403	365	3.05	0.54	2.41	0.04	0.06
	404	365	4.59	0.55	3.90	0.14	0.00
	405	365	4.70	1.52	2.96	0.17	0.04
	406	365	5.17	0.66	4.32	0.13	0.05
	407	365	4.80	1.83	2.82	0.11	0.04
	408	365	7.20	1.79	5.02	0.27	0.12
	409	365	6.84	2.56	3.84	0.34	0.09
	410	365	4.45	1.13	3.17	0.11	0.04
	411	367	5.49	1.12	4.03	0.15	0.17
	412	367	5.58	1.16	4.17	0.16	0.08
	413	367	6.90	1.42	5.20	0.18	0.08
	414	367	5.11	1.05	3.92	0.09	0.04
	415	367	6.09	1.28	4.51	0.19	0.09
	416	367	4.44	0.90	3.36	0.11	0.07

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal		White Blood Cell Count (10 ³ /µL)	Neutrophils (10 ³ /µL)	Total Lymphocytes (10 ³ /µL)	Monocytes (10 ³ /µL)	Eosinophils (10 ³ /µL)
	ID	Day					
B2M	417	367	6.25	1.29	4.71	0.16	0.08
	418	367	5.64	1.44	3.95	0.18	0.05
	419	367	7.16	2.81	3.99	0.27	0.07
	420	367	7.38	1.91	5.21	0.19	0.06
B5M	501	365	5.20	0.99	4.05	0.08	0.07
	502	365	5.39	1.03	4.13	0.14	0.07
	503	365	2.84	0.62	2.11	0.06	0.05
	505	365	5.07	1.24	3.63	0.12	0.07
	506	365	4.76	1.38	3.21	0.11	0.05
	507	365	6.24	1.04	5.00	0.14	0.06
	508	365	4.42	0.84	3.39	0.16	0.03
	509	365	4.58	0.91	3.55	0.06	0.05
	510	365	5.28	1.91	3.07	0.14	0.15
	511	367	7.63	1.68	5.62	0.22	0.09
	512	367	3.86	0.98	2.67	0.14	0.06
	513	367	6.91	1.81	4.90	0.09	0.09
	514	367	5.07	0.98	3.77	0.16	0.16
	515	367	6.69	1.43	5.00	0.16	0.09
	516	367	4.26	1.36	2.72	0.12	0.06
	517	367	6.09	1.62	4.22	0.18	0.07
	518	367	6.23	1.33	4.65	0.15	0.08
	519	367	6.01	1.20	4.63	0.11	0.06
	520	367	5.60	1.01	4.38	0.12	0.07
E0.2M	601	365	3.21	0.85	2.23	0.09	0.04
	602	365	3.97	1.17	2.61	0.14	0.04
	603	365	5.14	1.01	3.98	0.09	0.07
	604	365	7.13	1.84	4.75	0.31	0.20

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	White Blood Cell Count (10³/µL)	Neutrophils (10³/µL)	Total Lymphocytes (10³/µL)	Monocytes (10³/µL)	Eosinophils (10³/µL)
E0.2M	605	365	10.80	3.95	6.49	0.30	0.04
	606	365	4.56	1.12	3.25	0.10	0.07
	607	365	6.29	1.39	4.67	0.16	0.07
	608	365	5.61	1.09	4.16	0.23	0.12
	609	365	6.18	1.45	4.34	0.30	0.09
	610	365	6.48	2.29	3.90	0.16	0.13
	611	367	5.17	1.13	3.77	0.17	0.09
	612	367	4.43	1.08	3.18	0.12	0.05
	613	367	4.55	1.47	2.90	0.10	0.07
	614	367	4.99	1.26	3.51	0.12	0.09
	615	367	5.18	1.30	3.55	0.21	0.11
	616	367	4.56	0.95	3.35	0.13	0.13
	617	367	5.65	1.34	4.05	0.20	0.05
	618	367	6.23	1.63	4.30	0.21	0.08
E2M	619	367	7.22	2.62	4.34	0.17	0.10
	620	367	8.38	1.65	6.33	0.30	0.08
	701	365	4.34	1.04	3.26	0.04	0.00
	702	365	4.17	0.62	3.38	0.13	0.05
	704	365	7.08	3.07	3.45	0.31	0.24
	705	365	4.58	1.81	2.57	0.13	0.06
	706	365	4.81	1.28	3.32	0.12	0.08
	707	365	6.89	2.55	4.02	0.24	0.08
	708	365	7.09	1.51	5.33	0.13	0.11
	709	365	7.03	1.65	5.06	0.24	0.06
	710	365	6.76	1.64	4.80	0.16	0.13
	711	367	4.35	1.20	2.94	0.13	0.07
	712	367	4.41	1.07	3.16	0.12	0.04

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal		White Blood Cell Count (10 ³ /µL)	Neutrophils (10 ³ /µL)	Total Lymphocytes (10 ³ /µL)	Monocytes (10 ³ /µL)	Eosinophils (10 ³ /µL)
	ID	Day					
E2M	713	367	5.62	1.21	4.13	0.18	0.07
	714	367	5.95	1.04	4.62	0.20	0.07
	715	367	8.09	1.08	6.64	0.26	0.09
	716	367	5.17	0.85	4.11	0.13	0.06
	717	367	7.22	1.53	5.45	0.13	0.10
	718	367	6.08	1.12	4.76	0.13	0.07
	719	367	5.95	0.97	4.75	0.15	0.06
	720	367	3.70	0.85	2.68	0.11	0.06
E5M	801	365	5.19	1.18	3.88	0.08	0.05
	802	365	4.66	0.95	3.52	0.10	0.08
	803	365	3.41	0.50	2.78	0.07	0.06
	806	365	6.61	2.59	3.61	0.33	0.07
	807	365	4.32	0.90	3.14	0.23	0.05
	808	365	6.01	1.45	4.17	0.25	0.14
	809	365	7.82	1.37	6.28	0.08	0.07
	810	365	4.83	0.68	4.00	0.10	0.04
	811	367	5.15	1.27	3.64	0.15	0.09
	812	367	5.79	1.16	4.46	0.10	0.06
	813	367	4.88	0.70	4.07	0.05	0.05
	814	367	4.34	1.35	2.84	0.10	0.05
	815	367	8.05	1.29	6.42	0.22	0.10
	816	367	5.45	1.09	4.09	0.14	0.10
	817	367	5.87	1.93	3.64	0.20	0.08
	818	367	7.89	1.25	6.35	0.19	0.08
	819	367	6.61	1.60	4.74	0.16	0.10
	820	367	6.72	2.47	3.92	0.21	0.10

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils ($10^3/\mu\text{L}$)
CM	101	365	0.01
	102	365	0.01
	103	365	0.01
	104	365	0.00
	105	365	0.01
	106	365	0.01
	107	365	0.00
	108	365	0.00
	109	365	0.02
	110	365	0.02
	111	367	0.01
	112	367	0.02
B0.2M	114	367	0.01
	115	367	0.01
	116	367	0.00
	117	367	0.01
	118	367	0.02
	119	367	0.00
	120	367	0.01
	301	365	0.00
	302	365	0.01
	303	365	0.01
	304	365	0.01
	305	365	0.01
	306	365	0.00
	307	365	0.00
	308	365	0.01
	309	365	0.00

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils ($10^3/\mu\text{L}$)
B0.2M	310	365	0.01
	312	367	0.02
	313	367	0.00
	314	367	0.02
	315	367	0.01
	316	367	0.01
	317	367	0.01
	318	367	0.00
	319	367	0.02
	320	367	0.01
B2M	401	365	0.00
	402	365	0.00
	403	365	0.00
	404	365	0.00
	405	365	0.00
	406	365	0.01
	407	365	0.01
	408	365	0.01
	409	365	0.01
	410	365	0.01
	411	367	0.02
	412	367	0.01
	413	367	0.01
	414	367	0.01
	415	367	0.02
	416	367	0.00
	417	367	0.01
	418	367	0.01

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils ($10^3/\mu\text{L}$)
B2M	419	367	0.01
	420	367	0.01
	501	365	0.01
	502	365	0.01
	503	365	0.00
	505	365	0.01
	506	365	0.01
	507	365	0.01
	508	365	0.01
	509	365	0.00
B5M	510	365	0.01
	511	367	0.02
	512	367	0.01
	513	367	0.03
	514	367	0.01
	515	367	0.01
	516	367	0.01
	517	367	0.01
	518	367	0.01
	519	367	0.01
E0.2M	520	367	0.01
	601	365	0.00
	602	365	0.01
	603	365	0.01
	604	365	0.03
	605	365	0.03
	606	365	0.01
	607	365	0.01

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils (10³/µL)
E0.2M	608	365	0.01
	609	365	0.01
	610	365	0.01
	611	367	0.01
	612	367	0.01
	613	367	0.01
	614	367	0.01
	615	367	0.01
	616	367	0.01
	617	367	0.01
	618	367	0.00
	619	367	0.00
E2M	620	367	0.01
	701	365	0.00
	702	365	0.01
	704	365	0.01
	705	365	0.01
	706	365	0.00
	707	365	0.01
	708	365	0.01
	709	365	0.01
	710	365	0.02
	711	367	0.01
	712	367	0.01
	713	367	0.01
	714	367	0.02
	715	367	0.02
	716	367	0.01

Table C-9. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils ($10^3/\mu\text{L}$)
E2M	717	367	0.01
	718	367	0.00
	719	367	0.02
	720	367	0.01
E5M	801	365	0.00
	802	365	0.00
	803	365	0.00
	806	365	0.01
	807	365	0.00
	808	365	0.01
	809	365	0.02
	810	365	0.01
	811	367	0.01
	812	367	0.02
	813	367	0.01
	814	367	0.00
	815	367	0.02
	816	367	0.01
	817	367	0.01
	818	367	0.03
	819	367	0.01
	820	367	0.01

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal		White Blood Cell Count (10 ³ /µL)	Neutrophils (10 ³ /µL)	Total Lymphocytes (10 ³ /µL)	Monocytes (10 ³ /µL)	Eosinophils (10 ³ /µL)
	ID	Day					
CF	1101	366	2.60	0.53	1.92	0.08	0.06
	1103	366	2.62	0.87	1.67	0.05	0.04
	1104	366	3.66	0.92	2.52	0.11	0.11
	1105	366	2.67	0.55	1.99	0.11	0.03
	1106	366	3.81	0.81	2.77	0.14	0.07
	1107	366	3.61	0.72	2.59	0.19	0.09
	1108	366	3.27	0.71	2.42	0.09	0.04
	1109	366	3.55	1.19	2.18	0.13	0.04
	1110	366	2.79	0.66	1.96	0.13	0.05
	1111	367	3.08	0.49	2.53	0.06	0.00
	1112	367	3.43	0.67	2.60	0.06	0.09
	1113	367	2.06	0.52	1.50	0.04	0.00
	1114	367	3.76	0.89	2.65	0.16	0.06
	1115	367	2.21	0.51	1.64	0.07	0.00
	1116	367	3.83	0.83	2.79	0.13	0.07
	1117	367	2.70	0.68	1.94	0.08	0.00
	1118	367	4.98	1.17	3.49	0.24	0.07
	1119	367	5.05	1.53	3.19	0.23	0.09
	1120	367	1.67	0.32	1.35	0.00	0.00
B0.2F	1302	366	2.10	0.49	1.47	0.08	0.05
	1303	366	2.78	1.31	1.45	0.03	0.00
	1305	366	2.90	0.54	2.23	0.09	0.05
	1306	366	2.93	1.10	1.60	0.18	0.05
	1307	366	4.27	1.42	2.65	0.13	0.07
	1308	366	4.32	1.45	2.58	0.21	0.06
	1309	366	4.13	0.96	3.04	0.09	0.04
	1310	366	4.85	1.41	3.11	0.25	0.07

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal		White Blood Cell Count (10 ³ /µL)	Neutrophils (10 ³ /µL)	Total Lymphocytes (10 ³ /µL)	Monocytes (10 ³ /µL)	Eosinophils (10 ³ /µL)
	ID	Day					
B0.2F	1311	367	2.39	0.59	1.68	0.06	0.05
	1312	367	1.90	0.51	1.35	0.04	0.00
	1313	367	2.68	0.70	1.83	0.06	0.06
	1314	367	2.26	0.65	1.42	0.06	0.14
	1315	367	2.63	0.57	1.90	0.10	0.06
	1316	367	2.84	0.98	1.72	0.07	0.06
	1317	367	4.58	1.52	2.71	0.25	0.07
	1318	367	1.30	0.41	0.79	0.07	0.03
	1319	367	3.31	0.93	2.35	0.03	0.00
	1320	367	4.41	1.22	2.97	0.14	0.07
B2F	1401	366	2.96	0.95	1.91	0.07	0.03
	1402	366	4.05	1.03	2.76	0.19	0.06
	1403	366	2.52	0.53	1.88	0.06	0.03
	1404	366	3.83	1.08	2.53	0.16	0.05
	1405	366	2.97	0.83	2.14	0.00	0.00
	1406	366	5.64	1.55	3.78	0.25	0.05
	1407	366	3.28	0.91	2.18	0.11	0.06
	1408	366	4.08	1.32	2.55	0.14	0.06
	1409	366	4.06	0.68	3.24	0.08	0.05
	1410	366	4.15	0.88	2.99	0.22	0.05
	1411	367	3.90	1.31	2.42	0.11	0.06
	1412	367	3.91	1.03	2.70	0.10	0.07
	1413	367	3.47	0.77	2.50	0.11	0.09
	1414	367	3.08	0.73	2.17	0.09	0.09
	1415	367	3.57	1.08	2.32	0.11	0.05
	1416	367	8.06	1.04	6.65	0.26	0.09
	1417	367	3.59	0.93	2.42	0.16	0.07

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal		White Blood Cell Count (10 ³ /µL)	Neutrophils (10 ³ /µL)	Total Lymphocytes (10 ³ /µL)	Monocytes (10 ³ /µL)	Eosinophils (10 ³ /µL)
	ID	Day					
B2F	1418	367	4.41	0.74	3.37	0.23	0.05
	1419	367	3.66	0.87	2.56	0.14	0.08
	1420	367	3.11	0.62	2.32	0.12	0.04
B5F	1501	366	3.28	0.68	2.48	0.08	0.04
	1502	366	2.98	0.72	2.13	0.07	0.05
	1503	366	4.80	1.02	3.59	0.14	0.04
	1504	366	2.89	1.18	1.54	0.12	0.05
	1505	366	3.64	0.68	2.77	0.09	0.09
	1506	366	2.79	0.68	1.94	0.13	0.03
	1507	366	4.83	1.64	2.92	0.22	0.04
	1508	366	3.65	0.83	2.63	0.15	0.04
	1509	366	5.26	1.06	4.00	0.14	0.04
	1510	366	3.35	0.80	2.40	0.10	0.04
	1511	367	2.76	0.35	2.28	0.07	0.05
	1512	367	1.64	0.31	1.30	0.03	0.00
	1513	367	3.35	0.77	2.51	0.07	0.00
	1514	367	5.16	1.44	3.56	0.15	0.00
E0.2F	1515	367	3.45	1.17	2.12	0.12	0.05
	1517	367	6.21	0.83	5.13	0.15	0.08
	1518	367	3.03	0.50	2.34	0.15	0.03
	1519	367	3.36	1.02	2.15	0.10	0.07
	1520	367	4.45	0.62	3.70	0.09	0.05
	1601	366	1.93	0.53	1.32	0.05	0.04
	1602	366	2.20	0.64	1.44	0.07	0.03
	1604	366	2.69	1.02	1.61	0.05	0.00
	1605	366	3.89	1.22	2.48	0.15	0.04
	1606	366	3.34	0.84	2.35	0.12	0.02

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal		White Blood Cell Count (10 ³ /µL)	Neutrophils (10 ³ /µL)	Total Lymphocytes (10 ³ /µL)	Monocytes (10 ³ /µL)	Eosinophils (10 ³ /µL)
	ID	Day					
E0.2F	1607	366	4.16	0.74	3.20	0.18	0.04
	1608	366	3.39	0.78	2.39	0.16	0.05
	1609	366	4.80	1.10	3.43	0.17	0.09
	1610	366	3.57	0.87	2.54	0.12	0.03
	1611	367	3.30	0.86	2.38	0.07	0.00
	1612	367	2.94	0.80	1.98	0.06	0.09
	1613	367	3.02	1.09	1.87	0.06	0.00
	1614	367	1.72	0.36	1.31	0.02	0.03
	1616	367	3.37	0.98	2.14	0.14	0.11
	1617	367	2.76	0.63	2.07	0.03	0.03
	1618	367	5.13	2.20	2.63	0.21	0.09
	1619	367	3.07	1.00	1.83	0.16	0.07
	1620	367	4.64	1.24	3.03	0.26	0.10
E2F	1701	366	3.68	0.84	2.49	0.17	0.18
	1702	366	2.95	0.86	1.96	0.07	0.06
	1703	366	2.74	0.67	1.95	0.08	0.03
	1704	366	3.76	0.85	2.63	0.23	0.05
	1705	366	3.44	0.62	2.70	0.06	0.05
	1706	366	3.27	1.02	2.04	0.17	0.04
	1707	366	6.47	1.33	4.78	0.24	0.10
	1708	366	4.27	0.70	3.40	0.12	0.05
	1709	366	4.28	2.00	2.01	0.22	0.05
	1710	366	6.50	1.37	4.75	0.32	0.05
	1711	367	3.32	0.79	2.37	0.09	0.07
	1712	367	4.29	1.19	2.86	0.18	0.05
	1713	367	2.19	0.47	1.62	0.05	0.04
	1714	367	3.93	1.26	2.59	0.04	0.04

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	White Blood Cell Count (10³/µL)	Neutrophils (10³/µL)	Total Lymphocytes (10³/µL)	Monocytes (10³/µL)	Eosinophils (10³/µL)
E2F	1715	367	2.37	0.56	1.67	0.08	0.05
	1716	367	3.47	0.88	2.38	0.15	0.05
	1717	367	3.52	0.92	2.60	0.00	0.00
	1718	367	8.76	3.49	4.88	0.32	0.05
	1719	367	4.18	0.90	2.87	0.30	0.11
	1720	367	3.34	0.86	2.32	0.09	0.06
E5F	1801	366	2.96	0.82	1.98	0.09	0.05
	1803	366	3.31	1.34	1.79	0.14	0.04
	1804	366	2.63	0.66	1.97	0.00	0.00
	1805	366	4.23	0.94	2.99	0.22	0.08
	1806	366	2.81	0.45	2.24	0.09	0.03
	1807	366	5.08	1.04	3.82	0.14	0.07
	1808	366	2.39	0.66	1.59	0.09	0.04
	1810	366	6.26	0.97	5.04	0.22	0.03
	1811	367	3.28	0.82	2.23	0.18	0.04
	1812	367	3.46	0.93	2.46	0.07	0.00
	1813	367	4.34	1.87	2.24	0.15	0.07
	1814	367	2.08	0.66	1.31	0.08	0.03
	1815	367	2.39	0.48	1.73	0.14	0.04
	1816	367	4.38	1.06	3.13	0.15	0.03
	1817	367	2.87	0.43	2.41	0.03	0.00
	1818	367	4.29	0.97	3.13	0.14	0.04
	1819	367	4.14	1.14	2.85	0.11	0.04
	1820	367	4.21	0.57	3.42	0.16	0.07

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils ($10^3/\mu\text{L}$)
CF	1101	366	0.00
	1103	366	0.00
	1104	366	0.01
	1105	366	0.00
	1106	366	0.01
	1107	366	0.01
	1108	366	0.00
	1109	366	0.00
	1110	366	0.00
	1111	367	0.00
B0.2F	1112	367	0.01
	1113	367	0.00
	1114	367	0.01
	1115	367	0.00
	1116	367	0.01
	1117	367	0.00
	1118	367	0.02
	1119	367	0.01
	1120	367	0.00
	1302	366	0.00
	1303	366	0.00
	1305	366	0.00
	1306	366	0.00
	1307	366	0.00
	1308	366	0.01
	1309	366	0.01
	1310	366	0.01
	1311	367	0.00

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils ($10^3/\mu\text{L}$)
B0.2F	1312	367	0.00
	1313	367	0.02
	1314	367	0.00
	1315	367	0.00
	1316	367	0.00
	1317	367	0.01
	1318	367	0.00
	1319	367	0.00
	1320	367	0.01
	1401	366	0.00
B2F	1402	366	0.01
	1403	366	0.02
	1404	366	0.01
	1405	366	0.00
	1406	366	0.01
	1407	366	0.00
	1408	366	0.00
	1409	366	0.01
	1410	366	0.01
	1411	367	0.01
	1412	367	0.00
	1413	367	0.01
	1414	367	0.01
	1415	367	0.00
	1416	367	0.02
	1417	367	0.00
	1418	367	0.01
	1419	367	0.00
	1420	367	0.00

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils ($10^3/\mu\text{L}$)
B5F	1501	366	0.00
	1502	366	0.01
	1503	366	0.02
	1504	366	0.00
	1505	366	0.00
	1506	366	0.00
	1507	366	0.01
	1508	366	0.01
	1509	366	0.02
	1510	366	0.01
E0.2F	1511	367	0.01
	1512	367	0.00
	1513	367	0.00
	1514	367	0.00
	1515	367	0.00
	1517	367	0.01
	1518	367	0.00
	1519	367	0.01
	1520	367	0.00
	1601	366	0.00
	1602	366	0.00
	1604	366	0.00
	1605	366	0.01
	1606	366	0.00
	1607	366	0.01
	1608	366	0.00
	1609	366	0.00
	1610	366	0.01

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils ($10^3/\mu\text{L}$)
E0.2F	1611	367	0.00
	1612	367	0.02
	1613	367	0.00
	1614	367	0.00
	1616	367	0.01
	1617	367	0.00
	1618	367	0.01
	1619	367	0.00
	1620	367	0.01
	1701	366	0.00
E2F	1702	366	0.00
	1703	366	0.01
	1704	366	0.01
	1705	366	0.00
	1706	366	0.00
	1707	366	0.01
	1708	366	0.00
	1709	366	0.00
	1710	366	0.02
	1711	367	0.01
	1712	367	0.01
	1713	367	0.00
	1714	367	0.00
	1715	367	0.01
	1716	367	0.01
	1717	367	0.00
	1718	367	0.01
	1719	367	0.01
	1720	367	0.01

Table C-10. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils ($10^3/\mu\text{L}$)
E5F	1801	366	0.01
	1803	366	0.00
	1804	366	0.00
	1805	366	0.01
	1806	366	0.00
	1807	366	0.01
	1808	366	0.00
	1810	366	0.01
	1811	367	0.00
	1812	367	0.00
	1813	367	0.01
	1814	367	0.00
	1815	367	0.01
	1816	367	0.01
	1817	367	0.00
	1818	367	0.01
	1819	367	0.00
	1820	367	0.00

Table C-11. Individual Animal Coagulation Data – Males

Animal			Prothrombin Time (Seconds)
Group	ID	Day	
CM	101	365	15.3
	102	365	16.0
	103	365	15.3
	104	365	15.6
	105	365	15.3
	106	365	14.5
	107	365	14.8
	108	365	15.1
	109	365	15.1
	110	365	15.5
	111	366	15.2
	112	366	15.0
	113	366	16.0
	114	366	15.4
	115	366	15.4
	116	366	15.8
	117	366	16.1
	118	366	16.4
	119	366	15.1
	120	366	16.5
B0.2M	301	365	15.0
	302	365	15.9
	303	365	14.6
	304	365	14.5
	305	365	15.7
	306	365	15.1
	307	365	14.5
	308	365	14.4

Table C-11. Individual Animal Coagulation Data – Males

Animal			Prothrombin Time (Seconds)
Group	ID	Day	
B0.2M	309	365	14.8
	310	365	15.5
	311	366	15.4
	312	366	15.1
	313	366	15.2
	314	366	15.6
	315	366	16.1
	316	366	16.5
	317	366	15.1
	318	366	16.1
	319	366	16.0
	320	366	17.2
B2M	401	365	15.6
	402	365	15.7
	403	365	16.2
	404	365	14.8
	405	365	14.7
	406	365	15.9
	407	365	14.4
	408	365	15.2
	409	365	15.2
	410	365	15.2
	411	366	15.7
	412	366	15.6
	413	366	15.9
	414	366	15.3
	415	366	15.9
	416	366	15.0

Table C-11. Individual Animal Coagulation Data – Males

Animal			Prothrombin Time (Seconds)
Group	ID	Day	
B2M	417	366	15.9
	418	366	16.2
	419	366	14.9
	420	366	16.1
B5M	501	365	15.1
	502	365	15.8
	503	365	17.4
	505	365	15.3
	506	365	14.5
	507	365	14.3
	508	365	15.3
	509	365	15.7
	510	365	16.4
	511	366	15.0
	512	366	15.5
	513	366	15.9
	514	366	15.9
	515	366	15.9
E0.2M	516	366	16.3
	517	366	14.8
	518	366	15.8
	519	366	16.0
	520	366	17.0
	601	365	14.7
	602	365	15.1
	603	365	16.1
	605	365	15.4
	606	365	15.4

Table C-11. Individual Animal Coagulation Data – Males

Animal			Prothrombin Time (Seconds)
Group	ID	Day	
E0.2M	607	365	16.0
	608	365	16.0
	609	365	16.0
	610	365	14.9
	611	366	15.1
	613	366	15.4
	615	366	16.1
	616	366	15.5
	617	366	15.8
	618	366	16.9
	619	366	15.6
	620	366	16.2
E2M	701	365	15.4
	702	365	14.6
	703	365	15.9
	704	365	15.2
	705	365	14.9
	706	365	16.1
	707	365	15.3
	708	365	15.7
	709	365	15.2
	710	365	17.1
	711	366	15.4
	712	366	15.4
	713	366	16.7
	714	366	15.7
	715	366	15.5
	716	366	16.9

Table C-11. Individual Animal Coagulation Data – Males

Animal			Prothrombin Time (Seconds)
Group	ID	Day	
E2M	717	366	15.2
	718	366	16.3
	719	366	16.5
	720	366	16.4
E5M	802	365	15.6
	803	365	15.6
	804	365	14.3
	805	365	14.6
	806	365	14.5
	807	365	14.6
	808	365	15.1
	809	365	15.0
	811	366	15.2
	812	366	15.3
	813	366	17.3
	814	366	15.0
	815	366	15.7
	816	366	16.8
	817	366	15.3
	818	366	15.0
	819	366	16.6
	820	366	17.2

Table C-12. Individual Animal Coagulation Data – Females

Animal			Prothrombin Time (Seconds)
Group	ID	Day	
CF	1101	366	15.2
	1103	366	14.9
	1104	366	15.9
	1105	366	15.4
	1107	366	15.4
	1109	366	14.9
	1110	366	15.6
	1111	367	15.8
	1112	367	15.4
	1114	367	14.6
	1115	367	15.5
	1116	367	15.7
	1117	367	14.7
	1118	367	15.5
	1119	367	14.9
	1301	366	15.7
	1302	366	16.2
	1303	366	15.8
	1304	366	14.6
B0.2F	1305	366	15.5
	1306	366	15.5
	1307	366	16.1
	1308	366	15.1
	1309	366	15.3
	1310	366	15.0
	1311	367	14.7
	1312	367	14.7
	1314	367	14.6

Table C-12. Individual Animal Coagulation Data – Females

Animal			Prothrombin Time (Seconds)
Group	ID	Day	
B0.2F	1315	367	15.4
	1316	367	15.5
	1318	367	14.5
	1319	367	15.5
	1320	367	15.0
B2F	1401	366	15.4
	1404	366	14.8
	1405	366	15.9
	1406	366	15.3
	1407	366	14.8
	1409	366	15.6
	1410	366	15.9
	1411	367	15.2
	1412	367	15.1
	1413	367	15.5
B5F	1414	367	16.0
	1415	367	14.8
	1416	367	15.4
	1417	367	15.1
	1418	367	15.0
	1419	367	14.9
	1501	366	15.5
	1502	366	15.4
	1503	366	15.9
	1504	366	14.9
	1505	366	15.5
	1506	366	15.5
	1507	366	15.3

Table C-12. Individual Animal Coagulation Data – Females

Animal			Prothrombin Time (Seconds)
Group	ID	Day	
B5F	1508	366	15.2
	1509	366	14.4
	1510	366	16.0
	1514	367	15.1
	1515	367	15.0
	1518	367	13.5
	1519	367	14.8
	1520	367	14.6
	1601	366	15.4
E0.2F	1602	366	14.7
	1603	366	16.3
	1604	366	15.1
	1605	366	14.9
	1606	366	16.4
	1607	366	15.8
	1608	366	14.5
	1609	366	15.4
	1610	366	15.4
	1612	367	15.3
	1613	367	16.0
	1615	367	15.4
	1616	367	15.0
	1617	367	15.2
	1618	367	15.0
E2F	1619	367	15.7
	1620	367	16.0
	1701	366	15.2
	1702	366	15.9

Table C-12. Individual Animal Coagulation Data – Females

Animal			Prothrombin Time (Seconds)
Group	ID	Day	
E2F	1704	366	14.7
	1705	366	15.2
	1707	366	15.2
	1708	366	15.8
	1709	366	14.3
	1710	366	15.3
	1711	367	16.0
	1712	367	15.5
	1714	367	15.0
	1715	367	14.4
	1716	367	14.5
	1717	367	15.2
E5F	1718	367	14.8
	1719	367	15.5
	1720	367	16.3
	1801	366	15.4
	1803	366	15.9
	1804	366	14.3
	1805	366	15.1
	1807	366	14.7
	1810	366	16.9
	1811	367	14.7
	1812	367	14.8
	1813	367	16.1

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
CM	101	365	45	56	0	0.10
	102	365	49	69	0	0.07
	103	365	63	101	1	0.08
	104	365	71	89	0	0.11
	105	365	75	69	0	0.09
	106	365	96	73	0	0.07
	107	365	64	70	0	0.09
	108	365	43	55	0	0.11
	109	365	50	88	0	0.07
	110	365	57	55	0	0.10
	111	366	44	52	0	0.13
	112	366	50	59	0	0.11
B0.2M	113	366	40	65	0	0.09
	114	366	51	56	0	0.11
	115	366	44	57	0	0.09
	116	366	39	62	0	0.09
	117	366	65	54	0	0.07
	118	366	62	55	0	0.11
	119	366	36	54	0	0.08
	120	366	64	62	0	0.10
	301	365	69	64	0	0.14
	302	365	73	61	0	0.10
	303	365	67	76	0	0.12
	304	365	87	76	0	0.11
	305	365	66	131	0	0.07
	306	365	56	57	0	0.11

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
B0.2M	307	365	42	48	0	0.10
	308	365	39	60	0	0.07
	309	365	63	69	0	0.10
	310	365	40	70	0	0.08
	311	366	82	94	0	0.10
	312	366	48	62	0	0.10
	313	366	101	55	0	0.10
	314	366	62	59	0	0.13
	315	366	89	95	0	0.12
	316	366	56	49	0	0.08
	317	366	47	77	0	0.13
	318	366	47	59	0	0.06
	319	366	58	54	0	0.11
	320	366	55	53	0	0.11
B2M	401	365	64	56	0	0.08
	402	365	54	63	0	0.07
	403	365	76	72	0	0.10
	404	365	56	78	0	0.13
	405	365	44	50	0	0.10
	406	365	40	48	0	0.07
	407	365	53	59	0	0.07
	408	365	73	79	0	0.11
	409	365	47	66	0	0.12
	410	365	55	56	0	0.08
	411	366	56	72	0	0.10
	412	366	78	67	0	0.07
	413	366	69	69	0	0.08

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
B2M	414	366	58	55	0	0.05
	415	366	79	56	0	0.14
	416	366	70	80	0	0.12
	417	366	77	56	0	0.11
	418	366	58	64	0	0.10
	419	366	41	57	0	0.11
	420	366	59	55	0	0.10
B5M	501	365	56	77	0	0.12
	502	365	65	70	0	0.07
	503	365	69	72	0	0.15
	505	365	64	79	0	0.12
	506	365	54	63	0	0.07
	507	365	71	111	0	0.09
	508	365	67	62	0	0.10
	509	365	59	77	0	0.10
	510	365	37	70	0	0.12
	511	366	59	81	0	0.09
	512	366	48	68	0	0.11
	513	366	91	87	0	0.09
	514	366	57	88	0	0.07
	515	366	87	73	0	0.10
	516	366	73	57	0	0.08
	517	366	46	50	0	0.10
	518	366	52	57	0	0.14
	519	366	52	50	0	0.12
	520	366	40	65	0	0.09

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
E0.2M	601	365	59	64	0	0.09
	602	365	81	59	0	0.07
	603	365	44	69	0	0.10
	604	365	84	101	0	0.14
	605	365	61	81	0	0.07
	606	365	81	59	0	0.11
	607	365	64	69	0	0.11
	608	365	43	67	0	0.12
	609	365	46	61	0	0.10
	610	365	53	80	0	0.09
	611	366	53	78	0	0.06
	612	366	82	68	0	0.09
	613	366	65	97	0	0.10
	614	366	61	57	0	0.10
	615	366	62	63	0	0.10
	616	366	54	88	0	0.08
	617	366	81	61	0	0.11
	618	366	67	68	0	0.11
	619	366	47	92	0	0.07
	620	366	57	65	0	0.09
E2M	701	365	72	51	0	0.14
	702	365	51	91	0	0.04
	703	365	64	69	0	0.09
	704	365	82	78	0	0.10
	705	365	42	52	0	0.11
	706	365	66	104	0	0.09
	707	365	50	55	0	0.07

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal		Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
	ID	Day				
E2M	708	365	47	62	0	0.11
	709	365	62	58	0	0.07
	710	365	36	74	0	0.06
	711	366	53	72	0	0.09
	712	366	102	69	0	0.09
	713	366	53	60	0	0.06
	714	366	67	72	0	0.09
	715	366	66	92	0	0.09
	716	366	38	59	0	0.12
	717	366	54	49	0	0.08
	718	366	64	62	0	0.08
	719	366	36	62	0	0.11
	720	366	53	50	0	0.07
E5M	801	365	66	64	0	0.12
	802	365	58	64	0	0.06
	803	365	57	72	0	0.09
	804	365	50	72	0	0.12
	805	365	90	84	0	0.10
	806	365	74	123	1	0.08
	807	365	42	67	0	0.07
	808	365	32	110	0	0.08
	809	365	45	67	0	0.11
	810	365	82	67	0	0.08
	811	366	77	55	0	0.10
	812	366	61	57	0	0.07
	813	366	92	91	0	0.11
	814	366	80	55	0	0.11

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal		Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
	ID	Day				
E5M	815	366	47	69	0	0.08
	816	366	41	61	0	0.10
	817	366	71	82	0	0.10
	818	366	63	62	0	0.10
	819	366	61	66	0	0.10
	820	366	55	73	0	0.09

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
CM	101	365	0.03	6.8	90	4.2
	102	365	0.03	6.7	81	4.2
	103	365	0.03	6.5	75	4.3
	104	365	0.04	7.0	80	4.6
	105	365	0.02	6.8	115	4.1
	106	365	0.03	6.6	109	4.1
	107	365	0.03	6.7	81	4.2
	108	365	0.03	6.6	101	4.1
	109	365	0.03	6.6	257	4.1
	110	365	0.04	6.6	204	4.2
	111	366	0.03	7.1	80	4.2
	112	366	0.04	6.7	96	4.3
B0.2M	113	366	0.04	6.3	88	3.9
	114	366	0.04	6.7	79	4.2
	115	366	0.03	6.7	82	4.4
	116	366	0.04	6.6	84	4.3
	117	366	0.03	6.7	82	4.2
	118	366	0.04	6.5	75	4.2
	119	366	0.02	6.3	94	4.0
	120	366	0.04	6.6	77	4.4
	301	365	0.05	6.9	121	4.5
	302	365	0.03	6.2	99	4.1
	303	365	0.04	6.9	83	4.5
	304	365	0.03	6.4	102	4.1
	305	365	0.03	6.4	122	4.3
	306	365	0.04	7.1	101	4.6
	307	365	0.03	6.1	85	3.9
	308	365	0.04	6.6	104	4.3

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
B0.2M	309	365	0.04	6.7	158	4.4
	310	365	0.04	6.5	165	4.5
	311	366	0.04	7.2	75	4.4
	312	366	0.05	6.7	84	4.2
	313	366	0.03	6.9	91	4.5
	314	366	0.05	6.6	79	4.5
	315	366	0.04	6.4	99	4.1
	316	366	0.03	6.3	97	4.1
	317	366	0.04	6.8	73	4.6
	318	366	0.02	6.2	82	4.0
	319	366	0.03	6.6	83	4.1
	320	366	0.04	6.6	88	4.3
B2M	401	365	0.04	7.0	75	4.5
	402	365	0.03	6.3	85	4.2
	403	365	0.02	7.0	81	4.3
	404	365	0.05	6.7	105	4.4
	405	365	0.03	6.1	83	4.0
	406	365	0.04	6.4	79	4.2
	407	365	0.04	6.7	97	4.2
	408	365	0.04	6.4	151	4.2
	409	365	0.04	6.7	79	4.0
	410	365	0.03	6.2	90	4.0
	411	366	0.05	6.8	72	4.5
	412	366	0.04	6.9	76	4.5
	413	366	0.03	6.6	93	3.9
	414	366	0.03	6.0	73	3.8
	415	366	0.04	6.6	79	4.2
	416	366	0.03	6.7	72	4.4

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
B2M	417	366	0.04	6.7	83	4.4
	418	366	0.03	6.3	90	4.1
	419	366	0.04	6.1	88	4.1
	420	366	0.02	6.6	92	4.0
B5M	501	365	0.02	6.9	78	4.3
	502	365	0.04	6.7	80	4.2
	503	365	0.07	6.0	64	4.1
	505	365	0.05	6.7	81	4.4
	506	365	0.02	6.3	87	3.9
	507	365	0.03	6.6	93	4.1
	508	365	0.03	6.4	86	4.1
	509	365	0.04	6.3	77	4.2
	510	365	0.04	6.3	83	4.2
	511	366	0.03	6.6	83	4.1
	512	366	0.06	6.8	73	4.4
	513	366	0.04	6.7	84	4.3
	514	366	0.03	6.1	87	3.9
	515	366	0.04	7.2	76	4.4
	516	366	0.03	6.7	82	4.2
E0.2M	517	366	0.04	6.5	84	4.5
	518	366	0.05	6.7	72	4.5
	519	366	0.04	6.8	75	4.2
	520	366	0.04	6.0	86	4.2
	601	365	0.04	6.9	82	4.4
	602	365	0.03	6.7	96	4.4
	603	365	0.04	6.1	97	3.9
	604	365	0.06	7.2	101	4.6
	605	365	0.02	6.9	121	3.6

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
E0.2M	606	365	0.04	6.2	87	4.0
	607	365	0.04	6.1	86	4.2
	608	365	0.05	6.1	87	4.1
	609	365	0.03	6.4	78	4.2
	610	365	0.03	7.0	92	4.1
	611	366	0.02	6.9	96	4.1
	612	366	0.03	6.6	85	4.0
	613	366	0.04	6.5	90	4.3
	614	366	0.03	6.8	80	4.2
	615	366	0.03	6.5	77	4.2
	616	366	0.02	6.6	152	4.3
	617	366	0.02	6.6	82	4.2
	618	366	0.05	6.4	98	4.1
	619	366	0.04	6.9	89	4.4
	620	366	0.03	6.4	95	4.3
E2M	701	365	0.05	6.6	111	4.4
	702	365	0.02	6.5	88	4.2
	703	365	0.03	7.0	98	4.2
	704	365	0.03	6.9	91	4.0
	705	365	0.03	6.4	87	4.3
	706	365	0.04	6.7	182	4.3
	707	365	0.03	6.3	85	4.1
	708	365	0.03	7.0	111	4.2
	709	365	0.03	6.7	86	4.2
	710	365	0.03	6.5	122	4.1
	711	366	0.03	6.8	77	4.5
	712	366	0.03	7.0	82	4.6
	713	366	0.03	6.1	82	4.0

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
E2M	714	366	0.03	6.2	77	3.9
	715	366	0.05	6.6	163	4.2
	716	366	0.04	6.2	81	4.0
	717	366	0.04	6.4	85	4.1
	718	366	0.04	6.3	96	4.0
	719	366	0.03	6.7	66	4.4
	720	366	0.03	6.8	83	4.3
E5M	801	365	0.04	7.1	78	4.5
	802	365	0.05	6.9	71	4.5
	803	365	0.03	6.1	79	3.8
	804	365	0.05	6.5	165	3.9
	805	365	0.04	6.6	122	4.4
	806	365	0.03	6.9	65	4.5
	807	365	0.04	6.6	114	4.4
	808	365	0.03	5.7	132	3.8
	809	365	0.03	6.7	75	4.3
	810	365	0.02	7.1	94	4.3
	811	366	0.03	6.7	79	4.3
	812	366	0.03	6.2	78	4.1
	813	366	0.04	6.7	64	4.3
	814	366	0.05	7.4	80	4.6
	815	366	0.03	6.2	90	3.8
	816	366	0.03	6.7	79	4.3
	817	366	0.03	6.4	75	4.2
	818	366	0.04	6.7	93	4.4
	819	366	0.03	6.6	80	4.2
	820	366	0.03	5.9	83	3.8

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CM	101	365	2.6	1.62	12	0.8
	102	365	2.5	1.68	13	0.9
	103	365	2.2	1.95	13	0.8
	104	365	2.4	1.92	10	0.8
	105	365	2.7	1.52	11	0.7
	106	365	2.5	1.64	14	0.8
	107	365	2.5	1.68	10	0.8
	108	365	2.5	1.64	9	0.7
	109	365	2.5	1.64	13	0.9
	110	365	2.4	1.75	14	0.8
	111	366	2.9	1.45	10	0.8
	112	366	2.4	1.79	13	0.8
	113	366	2.4	1.63	12	0.7
	114	366	2.5	1.68	11	0.8
	115	366	2.3	1.91	10	0.7
	116	366	2.3	1.87	12	0.8
	117	366	2.5	1.68	14	0.8
	118	366	2.3	1.83	12	0.7
	119	366	2.3	1.74	10	0.7
	120	366	2.2	2.00	15	0.8
B0.2M	301	365	2.4	1.88	13	0.8
	302	365	2.1	1.95	9	0.7
	303	365	2.4	1.88	13	0.8
	304	365	2.3	1.78	11	0.7
	305	365	2.1	2.05	13	0.8
	306	365	2.5	1.84	11	0.8
	307	365	2.2	1.77	15	0.7
	308	365	2.3	1.87	12	0.7

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
B0.2M	309	365	2.3	1.91	14	0.8
	310	365	2.0	2.25	15	0.8
	311	366	2.8	1.57	14	0.8
	312	366	2.5	1.68	10	0.7
	313	366	2.4	1.88	12	0.8
	314	366	2.1	2.14	14	0.7
	315	366	2.3	1.78	12	0.7
	316	366	2.2	1.86	15	0.8
	317	366	2.2	2.09	11	0.8
	318	366	2.2	1.82	14	0.8
	319	366	2.5	1.64	12	0.7
	320	366	2.3	1.87	13	0.7
B2M	401	365	2.5	1.80	15	0.9
	402	365	2.1	2.00	16	0.8
	403	365	2.7	1.59	11	0.8
	404	365	2.3	1.91	10	0.8
	405	365	2.1	1.90	14	0.7
	406	365	2.2	1.91	17	0.8
	407	365	2.5	1.68	15	0.8
	408	365	2.2	1.91	14	0.8
	409	365	2.7	1.48	11	0.7
	410	365	2.2	1.82	14	0.6
	411	366	2.3	1.96	13	0.8
	412	366	2.4	1.88	17	0.8
	413	366	2.7	1.44	13	0.7
	414	366	2.2	1.73	17	0.8
	415	366	2.4	1.75	14	0.7
	416	366	2.3	1.91	15	0.8

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
B2M	417	366	2.3	1.91	13	0.7
	418	366	2.2	1.86	16	0.7
	419	366	2.0	2.05	11	0.7
	420	366	2.6	1.54	13	0.7
B5M	501	365	2.6	1.65	13	0.8
	502	365	2.5	1.68	15	0.8
	503	365	1.9	2.16	15	0.8
	505	365	2.3	1.91	15	0.7
	506	365	2.4	1.63	13	0.8
	507	365	2.5	1.64	13	0.8
	508	365	2.3	1.78	16	0.8
	509	365	2.1	2.00	16	0.7
	510	365	2.1	2.00	17	0.7
	511	366	2.5	1.64	14	0.7
	512	366	2.4	1.83	17	0.8
	513	366	2.4	1.79	17	0.8
	514	366	2.2	1.77	14	0.7
	515	366	2.8	1.57	17	0.7
	516	366	2.5	1.68	13	0.7
	517	366	2.0	2.25	16	0.8
	518	366	2.2	2.05	16	0.7
	519	366	2.6	1.62	12	0.7
	520	366	1.8	2.33	21	0.7
E0.2M	601	365	2.5	1.76	14	1.0
	602	365	2.3	1.91	10	0.8
	603	365	2.2	1.77	9	0.7
	604	365	2.6	1.77	11	0.8
	605	365	3.3	1.09	15	0.8

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
E0.2M	606	365	2.2	1.82	10	0.7
	607	365	1.9	2.21	12	0.8
	608	365	2.0	2.05	15	0.8
	609	365	2.2	1.91	11	0.7
	610	365	2.9	1.41	10	0.7
	611	366	2.8	1.46	9	0.7
	612	366	2.6	1.54	11	0.7
	613	366	2.2	1.95	12	0.7
	614	366	2.6	1.62	9	0.7
	615	366	2.3	1.83	14	0.7
	616	366	2.3	1.87	11	0.8
	617	366	2.4	1.75	14	0.7
	618	366	2.3	1.78	11	0.7
	619	366	2.5	1.76	10	0.7
	620	366	2.1	2.05	10	0.7
E2M	701	365	2.2	2.00	15	0.8
	702	365	2.3	1.83	12	0.9
	703	365	2.8	1.50	13	0.8
	704	365	2.9	1.38	12	0.7
	705	365	2.1	2.05	16	0.8
	706	365	2.4	1.79	13	0.8
	707	365	2.2	1.86	13	0.7
	708	365	2.8	1.50	12	0.7
	709	365	2.5	1.68	16	0.8
	710	365	2.4	1.71	13	0.7
	711	366	2.3	1.96	17	0.8
	712	366	2.4	1.92	14	0.8
	713	366	2.1	1.90	15	0.7

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
E2M	714	366	2.3	1.70	15	0.7
	715	366	2.4	1.75	15	0.8
	716	366	2.2	1.82	15	0.7
	717	366	2.3	1.78	11	0.7
	718	366	2.3	1.74	15	0.7
	719	366	2.3	1.91	12	0.7
	720	366	2.5	1.72	14	0.7
E5M	801	365	2.6	1.73	15	0.8
	802	365	2.4	1.88	19	0.8
	803	365	2.3	1.65	18	0.7
	804	365	2.6	1.50	18	0.8
	805	365	2.2	2.00	14	0.7
	806	365	2.4	1.88	15	0.8
	807	365	2.2	2.00	13	0.7
	808	365	1.9	2.00	16	0.7
	809	365	2.4	1.79	12	0.7
	810	365	2.8	1.54	17	0.7
	811	366	2.4	1.79	11	0.7
	812	366	2.1	1.95	13	0.7
	813	366	2.4	1.79	15	0.8
	814	366	2.8	1.64	12	0.8
	815	366	2.4	1.58	13	0.7
	816	366	2.4	1.79	16	0.8
	817	366	2.2	1.91	12	0.7
	818	366	2.3	1.91	14	0.7
	819	366	2.4	1.75	13	0.7
	820	366	2.1	1.81	13	0.7

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
CM	101	365	79	78	11.0	5.9
	102	365	67	73	11.3	8.7
	103	365	55	105	11.0	5.9
	104	365	60	79	11.4	6.0
	105	365	61	89	11.2	7.8
	106	365	75	68	11.3	7.3
	107	365	71	103	11.0	6.4
	108	365	58	102	11.1	6.3
	109	365	65	113	11.5	9.9
	110	365	81	100	11.7	9.1
	111	366	119	98	11.5	6.4
	112	366	72	87	10.7	4.7
B0.2M	113	366	87	78	10.6	5.5
	114	366	62	89	10.9	4.5
	115	366	45	97	10.8	5.8
	116	366	39	61	10.8	5.2
	117	366	86	75	11.3	8.0
	118	366	42	73	11.1	7.9
	119	366	49	75	10.8	6.5
	120	366	50	73	11.2	8.9
	301	365	107	103	11.6	7.4
	302	365	90	78	10.5	5.9
	303	365	104	117	11.7	8.0
	304	365	113	88	11.5	7.8
	305	365	62	63	11.2	6.1
	306	365	86	97	11.1	6.6
	307	365	39	64	10.9	7.3
	308	365	50	78	11.2	7.8

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
B0.2M	309	365	30	79	11.1	8.2
	310	365	36	84	11.4	8.8
	311	366	88	89	10.8	5.2
	312	366	114	72	10.8	6.3
	313	366	68	92	11.0	4.5
	314	366	89	112	11.3	6.3
	315	366	102	96	11.3	7.3
	316	366	61	85	11.0	7.2
	317	366	49	103	11.1	6.8
	318	366	30	71	10.8	7.2
	319	366	61	91	11.4	6.7
	320	366	34	76	10.7	7.6
B2M	401	365	95	72	11.7	7.0
	402	365	77	104	11.2	6.5
	403	365	36	110	10.8	6.8
	404	365	50	105	11.8	8.0
	405	365	52	86	10.9	6.6
	406	365	22	64	10.8	7.1
	407	365	91	83	11.6	8.4
	408	365	90	69	11.8	7.6
	409	365	78	123	11.2	8.1
	410	365	32	71	10.8	7.5
	411	366	54	92	11.3	5.6
	412	366	45	91	11.3	5.7
	413	366	92	93	11.3	7.2
	414	366	35	67	10.2	5.7
	415	366	73	95	11.4	7.4
	416	366	62	101	11.2	7.3

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
B2M	417	366	89	84	11.5	9.0
	418	366	31	68	11.1	9.8
	419	366	36	94	11.1	8.3
	420	366	109	124	11.2	7.7
B5M	501	365	63	89	11.4	8.4
	502	365	90	134	11.6	6.8
	503	365	42	69	11.1	7.1
	505	365	44	65	11.5	7.8
	506	365	37	104	11.1	8.2
	507	365	48	86	11.6	8.8
	508	365	51	79	11.5	9.3
	509	365	26	75	11.1	8.9
	510	365	32	78	11.0	8.3
	511	366	161	71	11.0	5.7
	512	366	44	91	10.8	4.8
	513	366	43	67	10.6	5.2
	514	366	45	105	11.2	7.5
	515	366	64	94	11.6	8.5
	516	366	60	81	10.9	6.6
E0.2M	517	366	54	85	11.6	10.7
	518	366	56	110	11.3	8.5
	519	366	89	94	11.6	8.4
	520	366	26	80	11.0	10.7
	601	365	64	96	11.3	6.5
	602	365	159	96	11.3	6.3
	603	365	38	55	10.6	4.9
	604	365	139	133	11.7	7.1
	605	365	67	76	11.7	8.3

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
E0.2M	606	365	41	71	10.4	7.1
	607	365	34	61	10.8	6.3
	608	365	43	94	11.1	8.5
	609	365	54	114	11.1	8.3
	610	365	48	76	11.1	7.2
	611	366	111	84	11.1	5.1
	612	366	115	71	10.8	5.7
	613	366	64	59	10.6	6.3
	614	366	93	121	10.9	4.9
	615	366	64	89	11.4	6.5
	616	366	40	77	10.9	6.6
	617	366	26	86	11.2	6.9
	618	366	63	84	11.0	7.1
	619	366	64	73	11.1	8.0
	620	366	58	128	10.9	6.5
E2M	701	365	77	85	11.5	8.2
	702	365	83	79	11.0	5.9
	703	365	52	90	11.5	7.4
	704	365	119	77	11.1	5.9
	705	365	71	85	10.9	6.0
	706	365	41	73	11.6	8.3
	707	365	78	87	10.8	6.5
	708	365	66	86	11.5	8.6
	709	365	44	72	11.4	10.2
	710	365	57	55	11.4	7.8
	711	366	59	71	10.8	5.9
	712	366	34	70	11.1	5.3
	713	366	62	106	11.0	6.5

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
E2M	714	366	43	106	10.9	6.1
	715	366	65	123	11.7	7.0
	716	366	47	65	10.6	7.2
	717	366	54	111	11.2	6.8
	718	366	44	86	11.2	7.7
	719	366	41	81	11.5	7.7
	720	366	33	71	11.3	7.6
E5M	801	365	64	105	11.2	7.2
	802	365	44	74	11.5	7.1
	803	365	66	113	11.1	7.4
	804	365	149	117	12.0	6.9
	805	365	69	70	11.5	7.0
	806	365	64	78	11.7	8.1
	807	365	39	85	11.7	9.1
	808	365	85	86	11.7	9.8
	809	365	41	78	11.5	8.5
	810	365	61	95	11.6	8.2
	811	366	69	104	10.8	6.9
	812	366	43	91	10.6	5.5
	813	366	51	105	11.2	6.4
	814	366	61	110	11.4	5.5
	815	366	65	99	11.1	7.6
	816	366	53	63	11.5	7.7
	817	366	67	91	11.3	7.4
	818	366	107	97	11.6	7.1
	819	366	30	78	11.4	6.5
	820	366	47	71	10.7	8.8

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
CM	101	365	147	5.7	102
	102	365	149	6.4	104
	103	365	150	5.6	104
	104	365	148	6.7	103
	105	365	149	6.0	103
	106	365	150	6.5	103
	107	365	149	6.5	102
	108	365	149	5.7	103
	109	365	148	4.7	102
	110	365	146	5.4	103
	111	366	148	5.8	100
	112	366	148	5.2	101
	113	366	151	5.6	104
	114	366	150	6.8	104
	115	366	149	5.6	102
	116	366	149	5.7	103
	117	366	150	5.7	104
	118	366	148	6.4	104
	119	366	148	6.0	104
	120	366	148	5.8	101
B0.2M	301	365	148	5.6	102
	302	365	148	5.9	105
	303	365	149	6.1	102
	304	365	149	5.3	104
	305	365	148	5.6	105
	306	365	148	5.8	101
	307	365	146	6.4	103
	308	365	147	5.9	101

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
B0.2M	309	365	148	4.9	104
	310	365	148	5.2	102
	311	366	149	5.9	101
	312	366	147	6.2	102
	313	366	150	5.6	101
	314	366	150	6.0	101
	315	366	147	6.2	103
	316	366	147	6.3	103
	317	366	149	6.0	102
	318	366	149	5.7	103
	319	366	148	6.5	102
	320	366	149	5.9	103
B2M	401	365	151	6.3	103
	402	365	148	6.2	102
	403	365	150	6.5	104
	404	365	148	6.7	102
	405	365	149	5.4	103
	406	365	150	5.7	103
	407	365	149	6.2	101
	408	365	147	5.8	101
	409	365	148	5.7	99
	410	365	149	5.4	103
	411	366	151	6.5	103
	412	366	149	6.0	102
	413	366	149	6.9	103
	414	366	150	5.7	104
	415	366	149	6.2	102
	416	366	150	6.4	102

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
B2M	417	366	150	6.0	100
	418	366	148	6.6	103
	419	366	147	6.8	103
	420	366	151	5.9	102
B5M	501	365	148	6.3	102
	502	365	149	6.4	102
	503	365	149	6.5	104
	505	365	150	6.2	101
	506	365	150	6.8	103
	507	365	148	6.0	103
	508	365	149	5.8	101
	509	365	150	6.3	105
	510	365	148	5.8	101
	511	366	148	5.7	101
	512	366	149	6.1	100
	513	366	151	5.5	102
	514	366	150	6.2	105
	515	366	151	6.5	103
	516	366	149	5.8	101
E0.2M	517	366	151	5.3	102
	518	366	150	5.8	103
	519	366	149	6.5	102
	520	366	148	6.0	103
	601	365	149	6.4	101
	602	365	149	6.1	102
	603	365	148	5.9	105
	604	365	148	6.6	102
	605	365	147	6.0	104

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
E0.2M	606	365	147	6.5	103
	607	365	149	6.1	104
	608	365	147	6.4	101
	609	365	148	5.9	102
	610	365	148	5.8	104
	611	366	148	5.9	104
	612	366	146	5.8	102
	613	366	149	5.9	103
	614	366	148	6.3	102
	615	366	149	5.7	104
	616	366	148	4.8	105
	617	366	148	6.4	103
	618	366	149	5.7	104
	619	366	148	6.1	103
	620	366	150	5.3	103
E2M	701	365	149	6.2	102
	702	365	150	6.4	103
	703	365	148	6.1	101
	704	365	147	6.0	102
	705	365	151	6.4	105
	706	365	148	5.2	103
	707	365	149	5.7	102
	708	365	148	6.3	101
	709	365	149	5.5	101
	710	365	149	5.0	103
	711	366	150	6.0	102
	712	366	149	5.7	101
	713	366	150	5.9	101

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
E2M	714	366	150	5.9	104
	715	366	149	5.1	104
	716	366	149	6.1	104
	717	366	149	5.9	102
	718	366	149	6.3	102
	719	366	150	6.3	102
	720	366	150	5.7	103
E5M	801	365	149	6.6	101
	802	365	148	6.8	103
	803	365	149	5.7	102
	804	365	150	5.9	103
	805	365	149	6.1	103
	806	365	149	6.1	100
	807	365	148	6.1	103
	808	365	147	6.4	102
	809	365	150	5.8	103
	810	365	150	6.0	103
	811	366	151	6.0	104
	812	366	150	5.9	101
	813	366	148	6.5	102
	814	366	151	5.9	100
	815	366	149	6.0	105
	816	366	148	6.4	102
	817	366	148	6.1	102
	818	366	146	5.3	99
	819	366	150	6.1	100
	820	366	148	5.5	103

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
CF	1101	366	23	64	0	0.07
	1102	366	36	118	0	0.09
	1103	366	28	68	0	0.11
	1104	366	23	104	0	0.15
	1105	366	55	89	0	0.10
	1106	366	16	67	0	0.13
	1107	366	20	67	0	0.11
	1108	366	27	83	0	0.15
	1109	366	23	75	0	0.15
	1110	366	27	95	0	0.19
	1111	367	24	54	0	0.16
	1112	367	15	64	0	0.18
	1113	367	24	81	0	0.18
	1114	367	21	63	0	0.30
	1115	367	19	72	0	0.18
	1116	367	26	69	0	0.16
	1117	367	15	93	0	0.22
	1118	367	30	108	0	0.16
	1119	367	26	63	0	0.18
	1120	367	20	105	0	0.20
B0.2F	1301	366	82	114	0	0.18
	1302	366	23	51	0	0.10
	1303	366	36	120	0	0.12
	1304	366	22	92	0	0.13
	1305	366	23	60	0	0.14
	1306	366	18	76	0	0.14
	1307	366	23	70	0	0.13

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
B0.2F	1308	366	29	74	0	0.16
	1309	366	18	81	0	0.12
	1310	366	22	71	1	0.22
	1311	367	28	82	0	0.26
	1312	367	40	82	0	0.18
	1313	367	15	63	0	0.16
	1314	367	53	132	0	0.22
	1315	367	18	61	0	0.20
	1316	367	21	103	0	0.15
	1317	367	37	131	0	0.20
B2F	1318	367	19	79	0	0.20
	1319	367	14	73	0	0.15
	1320	367	22	75	0	0.21
	1401	366	25	69	0	0.08
	1402	366	33	83	0	0.16
	1403	366	20	74	0	0.08
	1404	366	27	77	0	0.14
	1405	366	33	67	0	0.10
	1406	366	21	69	0	0.10
	1407	366	23	89	0	0.15
	1408	366	16	89	0	0.14
	1409	366	29	73	0	0.12
	1410	366	24	77	0	0.15
	1411	367	28	66	0	0.14
	1412	367	24	66	1	0.16
	1413	367	43	74	0	0.15
	1414	367	35	56	1	0.18

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
B2F	1415	367	17	58	0	0.23
	1416	367	38	80	0	0.16
	1417	367	24	72	0	0.24
	1418	367	24	101	1	0.20
	1419	367	30	118	0	0.22
	1420	367	15	77	0	0.16
B5F	1501	366	22	68	0	0.08
	1502	366	35	60	0	0.11
	1503	366	21	72	0	0.12
	1504	366	33	101	0	0.15
	1505	366	18	65	0	0.10
	1506	366	17	81	0	0.09
	1507	366	20	66	0	0.08
	1508	366	17	74	0	0.12
	1509	366	33	117	0	0.19
	1510	366	67	98	0	0.12
	1511	367	17	61	0	0.16
	1512	367	42	63	0	0.18
	1513	367	36	85	0	0.17
	1514	367	25	60	0	0.21
	1515	367	14	71	0	0.19
E0.2F	1517	367	19	72	0	0.15
	1518	367	18	66	0	0.23
	1519	367	20	70	0	0.18
	1520	367	25	65	1	0.13
E0.2F	1601	366	30	83	0	0.14
	1602	366	19	85	0	0.17

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
E0.2F	1603	366	22	107	0	0.17
	1604	366	27	63	0	0.14
	1605	366	22	78	0	0.14
	1606	366	18	56	0	0.08
	1607	366	18	60	0	0.13
	1608	366	27	62	0	0.20
	1609	366	14	61	0	0.11
	1610	366	19	61	0	0.22
	1611	367	38	72	0	0.16
	1612	367	34	52	0	0.24
	1613	367	39	84	0	0.17
	1614	367	26	67	1	0.16
	1615	367	30	88	0	0.21
	1616	367	25	91	0	0.18
	1617	367	25	64	0	0.17
E2F	1618	367	21	83	0	0.21
	1619	367	43	84	0	0.18
	1620	367	39	99	0	0.16
	1701	366	25	79	0	0.12
	1702	366	31	64	0	0.11
	1703	366	20	62	0	0.13
	1704	366	28	57	0	0.15
	1705	366	42	98	0	0.09
	1706	366	24	76	0	0.14
	1707	366	31	81	0	0.13
	1708	366	15	79	0	0.13
	1709	366	37	96	0	0.14

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
E2F	1710	366	16	69	0	0.18
	1711	367	21	69	0	0.14
	1712	367	24	71	0	0.19
	1713	367	51	70	0	0.16
	1714	367	28	83	0	0.22
	1715	367	18	56	0	0.13
	1716	367	15	64	0	0.15
	1717	367	20	75	0	0.18
	1718	367	55	84	0	0.21
	1719	367	43	83	0	0.24
	1720	367	16	60	0	0.16
E5F	1801	366	29	78	0	0.10
	1803	366	23	70	0	0.13
	1804	366	26	61	0	0.13
	1805	366	21	92	0	0.15
	1806	366	22	78	0	0.09
	1807	366	19	78	0	0.10
	1808	366	33	82	0	0.10
	1810	366	33	76	0	0.15
	1811	367	22	60	0	0.20
	1812	367	42	64	0	0.18
	1813	367	18	75	0	0.20
	1814	367	28	97	0	0.17
	1815	367	21	116	0	0.19
	1816	367	40	77	0	0.16
	1817	367	42	89	0	0.19
	1818	367	23	64	0	0.15

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal		Alkaline Phosphatase	Aspartate Aminotransferase	Gamma Glutamyltransferase	Total Bilirubin (mg/dL)
	ID	Day	(U/L)	(U/L)	(U/L)	
E5F	1819	367	55	73	0	0.18
	1820	367	22	58	0	0.17

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Direct Bilirubin	Total Protein	Glucose	Albumin	
Group	ID	Day	(mg/dL)	(g/dL)	(g/dL)	
CF	1101	366	0.02	6.5	126	4.6
	1102	366	0.04	6.9	91	4.8
	1103	366	0.04	7.4	85	5.1
	1104	366	0.05	7.5	78	5.2
	1105	366	0.05	6.5	94	4.8
	1106	366	0.04	6.9	92	5.0
	1107	366	0.05	6.9	77	4.8
	1108	366	0.06	8.2	74	5.5
	1109	366	0.04	7.8	91	5.6
	1110	366	0.04	7.4	90	5.0
	1111	367	0.04	7.3	76	5.1
	1112	367	0.02	7.3	85	5.0
B0.2F	1113	367	0.03	7.0	81	4.9
	1114	367	0.07	7.9	90	5.6
	1115	367	0.03	7.3	91	4.8
	1116	367	0.03	6.4	79	4.5
	1117	367	0.04	7.6	76	5.5
	1118	367	0.04	7.2	91	5.0
	1119	367	0.05	7.0	87	5.0
	1120	367	0.03	7.2	81	5.1
	1301	366	0.06	7.1	72	4.9
	1302	366	0.05	7.6	82	5.5
	1303	366	0.04	7.3	98	5.2
	1304	366	0.05	7.4	103	5.3
	1305	366	0.03	7.4	98	5.1
	1306	366	0.05	7.1	79	5.3
	1307	366	0.04	6.7	82	4.7
	1308	366	0.03	7.5	79	4.9

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
B0.2F	1309	366	0.03	7.3	78	5.0
	1310	366	0.04	7.0	84	4.8
	1311	367	0.06	8.4	81	5.5
	1312	367	0.05	7.6	90	5.2
	1313	367	0.03	7.9	97	5.3
	1314	367	0.04	7.6	100	5.1
	1315	367	0.05	6.9	92	5.0
	1316	367	0.03	7.2	80	4.9
	1317	367	0.07	6.8	88	4.7
	1318	367	0.05	6.9	85	4.9
B2F	1319	367	0.03	7.3	95	5.1
	1320	367	0.04	7.8	81	5.4
	1401	366	0.04	6.9	96	4.8
	1402	366	0.05	7.5	79	5.0
	1403	366	0.03	7.4	90	4.9
	1404	366	0.04	7.2	76	5.1
	1405	366	0.03	7.0	78	4.9
	1406	366	0.04	6.7	85	4.6
	1407	366	0.06	7.4	79	5.2
	1408	366	0.05	7.1	84	4.8
	1409	366	0.05	6.4	76	4.5
	1410	366	0.03	6.5	77	4.6
	1411	367	0.03	6.6	94	4.3
	1412	367	0.03	7.5	89	5.0
	1413	367	0.03	7.9	85	5.4
	1414	367	0.05	7.3	82	5.0
	1415	367	0.04	7.2	88	5.2
	1416	367	0.05	6.4	79	4.5

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Direct Bilirubin	Total Protein	Glucose	Albumin	
Group	ID	Day	(mg/dL)	(g/dL)	(g/dL)	
B2F	1417	367	0.05	6.7	67	4.8
	1418	367	0.04	6.8	77	4.8
	1419	367	0.04	7.4	76	4.8
	1420	367	0.04	6.3	85	4.6
B5F	1501	366	0.03	7.1	82	5.0
	1502	366	0.05	7.0	81	5.2
	1503	366	0.04	6.8	78	4.8
	1504	366	0.04	7.0	108	5.0
	1505	366	0.03	6.7	84	4.7
	1506	366	0.03	6.8	73	4.7
	1507	366	0.03	6.1	78	4.5
	1508	366	0.04	6.3	75	4.7
	1509	366	0.08	7.2	61	5.3
	1510	366	0.04	6.9	73	5.0
	1511	367	0.03	7.8	86	5.6
	1512	367	0.03	7.2	82	4.9
	1513	367	0.03	6.8	91	4.7
	1514	367	0.05	7.1	82	4.8
	1515	367	0.03	6.7	100	4.9
E0.2F	1517	367	0.03	6.5	69	4.4
	1518	367	0.05	7.5	110	5.4
	1519	367	0.03	7.2	76	4.9
	1520	367	0.02	6.8	86	4.7
	1601	366	0.04	7.4	80	4.9
	1602	366	0.05	8.2	106	5.7
	1603	366	0.05	7.2	85	5.4
	1604	366	0.04	7.2	111	4.8
	1605	366	0.04	7.4	80	5.0

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Direct Bilirubin	Total Protein	Glucose	Albumin
Group	ID	(mg/dL)	(g/dL)	(mg/dL)	(g/dL)
E0.2F	1606	0.03	6.9	77	4.6
	1607	0.03	7.3	119	5.1
	1608	0.06	8.1	94	5.6
	1609	0.04	6.3	69	4.2
	1610	0.06	6.7	87	5.0
	1611	0.02	7.4	82	4.9
	1612	0.05	7.4	91	5.3
	1613	0.03	7.6	97	5.0
	1614	0.04	6.9	79	4.9
	1615	0.05	6.8	79	4.9
	1616	0.05	6.8	107	4.9
	1617	0.03	6.8	95	4.9
	1618	0.04	6.9	81	5.0
E2F	1619	0.03	7.7	84	5.2
	1620	0.05	6.7	89	4.5
	1701	0.04	7.3	77	4.8
	1702	0.03	7.0	99	4.8
	1703	0.05	7.6	83	5.2
	1704	0.06	6.8	83	5.2
	1705	0.04	7.0	91	4.8
	1706	0.05	7.1	77	5.0
	1707	0.05	6.9	76	5.0
	1708	0.04	6.9	80	4.9
	1709	0.03	6.4	90	4.6
	1710	0.05	7.7	64	5.1
	1711	0.02	7.1	86	4.9
	1712	0.05	6.9	84	5.1
	1713	0.04	7.5	120	5.3

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Direct Bilirubin	Total Protein	Glucose	Albumin	
Group	ID	Day	(mg/dL)	(g/dL)	(g/dL)	
E2F	1714	367	0.03	6.7	102	4.6
	1715	367	0.02	7.0	81	4.7
	1716	367	0.03	7.3	83	5.3
	1717	367	0.05	7.0	88	5.0
	1718	367	0.03	7.4	87	4.9
	1719	367	0.05	7.0	86	5.0
	1720	367	0.03	7.0	97	4.9
E5F	1801	366	0.03	7.1	90	4.8
	1803	366	0.04	7.5	93	5.5
	1804	366	0.06	6.1	74	4.6
	1805	366	0.06	7.5	80	5.5
	1806	366	0.04	6.8	71	4.7
	1807	366	0.02	6.7	78	4.5
	1808	366	0.04	6.7	70	4.8
	1810	366	0.04	6.7	74	4.7
	1811	367	0.04	7.6	82	5.0
	1812	367	0.04	7.5	87	5.1
	1813	367	0.04	7.5	84	5.2
	1814	367	0.04	7.4	109	5.1
	1815	367	0.05	6.9	82	4.9
	1816	367	0.03	6.4	71	4.3
	1817	367	0.05	7.0	86	5.3
	1818	367	0.03	6.6	85	4.8
	1819	367	0.04	6.7	76	4.7
	1820	367	0.04	6.6	83	4.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CF	1101	366	1.9	2.42	15	0.9
	1102	366	2.1	2.29	17	0.9
	1103	366	2.3	2.22	11	0.8
	1104	366	2.3	2.26	15	0.9
	1105	366	1.7	2.82	14	0.8
	1106	366	1.9	2.63	17	0.8
	1107	366	2.1	2.29	17	0.8
	1108	366	2.7	2.04	10	0.8
	1109	366	2.2	2.55	13	0.9
	1110	366	2.4	2.08	12	0.8
	1111	367	2.2	2.32	13	0.8
	1112	367	2.3	2.17	13	0.9
B0.2F	1113	367	2.1	2.33	16	0.9
	1114	367	2.3	2.43	20	1.0
	1115	367	2.5	1.92	15	0.8
	1116	367	1.9	2.37	18	0.8
	1117	367	2.1	2.62	12	0.9
	1118	367	2.2	2.27	11	0.8
	1119	367	2.0	2.50	15	0.8
	1120	367	2.1	2.43	15	0.9
	1301	366	2.2	2.23	20	1.0
	1302	366	2.1	2.62	12	0.8
	1303	366	2.1	2.48	13	0.8
	1304	366	2.1	2.52	17	0.9
	1305	366	2.3	2.22	9	0.8
	1306	366	1.8	2.94	16	0.8
	1307	366	2.0	2.35	16	0.9
	1308	366	2.6	1.88	16	0.9

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
B0.2F	1309	366	2.3	2.17	11	0.8
	1310	366	2.2	2.18	11	0.8
	1311	367	2.9	1.90	15	0.9
	1312	367	2.4	2.17	14	0.9
	1313	367	2.6	2.04	17	0.9
	1314	367	2.5	2.04	11	0.8
	1315	367	1.9	2.63	18	0.8
	1316	367	2.3	2.13	21	0.9
	1317	367	2.1	2.24	22	0.8
	1318	367	2.0	2.45	19	0.9
	1319	367	2.2	2.32	14	0.9
	1320	367	2.4	2.25	12	0.8
B2F	1401	366	2.1	2.29	16	0.9
	1402	366	2.5	2.00	14	0.8
	1403	366	2.5	1.96	16	0.8
	1404	366	2.1	2.43	16	0.9
	1405	366	2.1	2.33	14	0.9
	1406	366	2.1	2.19	16	0.8
	1407	366	2.2	2.36	18	0.9
	1408	366	2.3	2.09	19	0.9
	1409	366	1.9	2.37	16	0.8
	1410	366	1.9	2.42	19	0.8
	1411	367	2.3	1.87	17	0.9
	1412	367	2.5	2.00	17	0.9
	1413	367	2.5	2.16	16	0.8
	1414	367	2.3	2.17	15	0.8
	1415	367	2.0	2.60	15	0.7
	1416	367	1.9	2.37	21	0.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
B2F	1417	367	1.9	2.53	13	0.8
	1418	367	2.0	2.40	18	0.8
	1419	367	2.6	1.85	15	0.9
	1420	367	1.7	2.71	23	0.7
B5F	1501	366	2.1	2.38	13	0.8
	1502	366	1.8	2.89	18	0.9
	1503	366	2.0	2.40	17	0.8
	1504	366	2.0	2.50	23	0.9
	1505	366	2.0	2.35	15	0.7
	1506	366	2.1	2.24	23	0.8
	1507	366	1.6	2.81	18	0.8
	1508	366	1.6	2.94	17	0.8
	1509	366	1.9	2.79	20	0.8
	1510	366	1.9	2.63	16	0.8
	1511	367	2.2	2.55	18	0.9
	1512	367	2.3	2.13	19	0.9
	1513	367	2.1	2.24	22	0.8
	1514	367	2.3	2.09	18	0.8
	1515	367	1.8	2.72	20	0.8
E0.2F	1517	367	2.1	2.10	19	0.8
	1518	367	2.1	2.57	18	0.8
	1519	367	2.3	2.13	22	0.9
	1520	367	2.1	2.24	14	0.7
	1601	366	2.5	1.96	18	0.8
	1602	366	2.5	2.28	15	0.8
	1603	366	1.8	3.00	14	0.9
	1604	366	2.4	2.00	23	0.9
	1605	366	2.4	2.08	15	0.9

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
E0.2F	1606	366	2.3	2.00	16	0.8
	1607	366	2.2	2.32	12	0.9
	1608	366	2.5	2.24	17	0.9
	1609	366	2.1	2.00	16	0.9
	1610	366	1.7	2.94	14	0.8
	1611	367	2.5	1.96	17	0.9
	1612	367	2.1	2.52	13	0.9
	1613	367	2.6	1.92	14	0.8
	1614	367	2.0	2.45	14	0.9
	1615	367	1.9	2.58	13	0.9
	1616	367	1.9	2.58	16	0.8
	1617	367	1.9	2.58	13	0.7
	1618	367	1.9	2.63	16	0.8
	1619	367	2.5	2.08	21	0.9
	1620	367	2.2	2.05	17	0.8
E2F	1701	366	2.5	1.92	19	0.8
	1702	366	2.2	2.18	23	0.9
	1703	366	2.4	2.17	14	0.8
	1704	366	1.6	3.25	16	0.8
	1705	366	2.2	2.18	16	0.8
	1706	366	2.1	2.38	16	0.9
	1707	366	1.9	2.63	15	0.8
	1708	366	2.0	2.45	19	0.8
	1709	366	1.8	2.56	17	0.8
	1710	366	2.6	1.96	16	0.8
	1711	367	2.2	2.23	17	0.8
	1712	367	1.8	2.83	16	0.8
	1713	367	2.2	2.41	15	0.9

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
E2F	1714	367	2.1	2.19	17	0.8
	1715	367	2.3	2.04	18	0.8
	1716	367	2.0	2.65	20	0.8
	1717	367	2.0	2.50	22	0.8
	1718	367	2.5	1.96	21	0.8
	1719	367	2.0	2.50	16	0.7
	1720	367	2.1	2.33	19	0.7
E5F	1801	366	2.3	2.09	22	0.8
	1803	366	2.0	2.75	15	0.8
	1804	366	1.5	3.07	17	0.8
	1805	366	2.0	2.75	17	0.8
	1806	366	2.1	2.24	18	0.7
	1807	366	2.2	2.05	18	0.8
	1808	366	1.9	2.53	20	0.7
	1810	366	2.0	2.35	20	0.8
	1811	367	2.6	1.92	21	0.8
	1812	367	2.4	2.13	24	1.0
	1813	367	2.3	2.26	19	0.8
	1814	367	2.3	2.22	18	0.9
	1815	367	2.0	2.45	19	0.8
	1816	367	2.1	2.05	22	0.8
	1817	367	1.7	3.12	27	0.9
	1818	367	1.8	2.67	21	0.7
	1819	367	2.0	2.35	18	0.8
	1820	367	1.8	2.67	17	0.7

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
Group	ID	Day			
CF	1101	366	37	96	10.9
	1102	366	46	79	11.1
	1103	366	42	110	10.9
	1104	366	35	51	11.6
	1105	366	37	70	11.0
	1106	366	31	99	10.9
	1107	366	38	89	11.0
	1108	366	63	114	11.3
	1109	366	36	82	10.9
	1110	366	37	85	10.9
	1111	367	48	57	11.5
	1112	367	30	84	11.0
	1113	367	32	84	10.6
	1114	367	57	110	11.8
	1115	367	38	87	11.1
	1116	367	24	46	10.5
	1117	367	32	87	11.3
	1118	367	36	61	11.0
	1119	367	55	85	11.8
	1120	367	28	86	11.2
B0.2F	1301	366	87	63	12.1
	1302	366	22	95	11.4
	1303	366	33	123	10.8
	1304	366	54	78	11.2
	1305	366	32	81	10.8
	1306	366	31	75	11.0
	1307	366	28	61	10.7
	1308	366	33	97	11.2

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Triglycerides	Cholesterol	Calcium	Phosphorus
Group	ID	(mg/dL)	(mg/dL)	(mg/dL)	(mg/dL)
B0.2F	1309	29	77	10.8	5.7
	1310	29	103	10.8	5.1
	1311	35	146	11.8	4.0
	1312	32	113	11.2	4.7
	1313	31	133	11.7	3.6
	1314	43	126	11.5	5.4
	1315	40	67	11.0	4.8
	1316	28	92	11.0	6.5
	1317	26	71	11.5	7.5
	1318	47	92	11.4	7.7
	1319	33	87	11.0	3.6
	1320	42	73	11.4	5.2
B2F	1401	30	69	10.4	4.2
	1402	36	86	11.0	4.9
	1403	34	98	11.0	4.3
	1404	39	103	11.4	7.3
	1405	34	51	10.7	4.5
	1406	30	88	10.9	6.9
	1407	47	141	11.3	6.1
	1408	31	51	10.8	7.4
	1409	29	68	10.8	8.1
	1410	23	84	10.8	7.4
	1411	28	77	10.7	5.2
	1412	24	75	10.9	4.1

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
Group	ID	Day			
B2F	1417	367	68	80	11.0
	1418	367	30	95	11.5
	1419	367	42	106	11.5
	1420	367	27	75	11.4
B5F	1501	366	37	96	10.8
	1502	366	25	93	11.0
	1503	366	35	60	11.6
	1504	366	44	115	11.6
	1505	366	24	113	11.1
	1506	366	26	98	11.3
	1507	366	53	88	10.7
	1508	366	44	67	10.8
	1509	366	31	91	11.5
	1510	366	33	99	10.8
	1511	367	31	108	11.5
	1512	367	48	112	11.5
	1513	367	23	105	11.5
	1514	367	33	101	11.1
	1515	367	23	98	11.4
E0.2F	1517	367	22	36	11.0
	1518	367	42	131	12.7
	1519	367	59	140	11.4
	1520	367	28	79	11.3
	1601	366	40	87	11.3
	1602	366	50	108	11.3
	1603	366	39	100	11.4
	1604	366	41	96	10.7
	1605	366	42	102	11.0
					4.0

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
Group	ID	Day			
E0.2F	1606	366	28	54	11.3
	1607	366	35	113	12.0
	1608	366	38	97	11.7
	1609	366	24	88	10.7
	1610	366	44	62	10.8
	1611	367	38	63	11.2
	1612	367	27	85	11.4
	1613	367	41	102	11.1
	1614	367	33	45	11.1
	1615	367	48	42	10.7
	1616	367	42	85	11.3
	1617	367	88	92	11.2
	1618	367	34	97	11.2
	1619	367	37	105	11.3
	1620	367	33	62	11.3
E2F	1701	366	42	86	11.3
	1702	366	30	96	10.9
	1703	366	42	114	11.2
	1704	366	56	84	11.2
	1705	366	45	95	11.1
	1706	366	31	68	11.3
	1707	366	36	66	11.5
	1708	366	25	73	11.4
	1709	366	34	76	10.8
	1710	366	28	86	11.8
	1711	367	33	79	11.1
	1712	367	30	89	10.8
	1713	367	72	96	12.1

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
Group	ID	Day			
E2F	1714	367	33	76	10.9
	1715	367	43	63	11.1
	1716	367	28	95	11.7
	1717	367	36	123	11.8
	1718	367	27	91	11.7
	1719	367	37	103	11.6
	1720	367	30	64	11.6
E5F	1801	366	29	109	10.9
	1803	366	35	120	11.3
	1804	366	27	92	10.7
	1805	366	54	119	11.9
	1806	366	41	101	11.6
	1807	366	35	105	10.9
	1808	366	33	93	11.0
	1810	366	23	86	11.0
	1811	367	34	120	11.4
	1812	367	52	108	11.1
	1813	367	45	102	11.3
	1814	367	57	133	12.0
	1815	367	40	62	11.1
	1816	367	40	76	11.0
	1817	367	30	94	11.3
	1818	367	37	95	11.3
	1819	367	29	125	11.5
	1820	367	39	97	11.9

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	
	ID	Day			
	1101	366	145	5.3	100
	1102	366	144	6.4	101
	1103	366	148	5.0	100
	1104	366	146	6.3	101
	1105	366	146	5.7	100
	1106	366	144	5.2	98
	1107	366	143	5.4	97
	1108	366	148	5.9	101
	1109	366	144	4.5	94
CF	1110	366	144	5.1	98
	1111	367	146	5.7	100
	1112	367	146	5.3	99
	1113	367	145	5.3	98
	1114	367	142	4.6	95
	1115	367	146	5.2	101
	1116	367	144	5.7	100
	1117	367	149	4.8	101
	1118	367	145	5.7	98
	1119	367	145	5.6	101
	1120	367	146	5.7	101
	1301	366	149	6.6	103
	1302	366	147	5.5	101
	1303	366	143	4.9	96
B0.2F	1304	366	145	5.3	102
	1305	366	145	5.1	99
	1306	366	143	6.1	99
	1307	366	145	5.4	99
	1308	366	145	5.1	94

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	
	ID	Day			
B0.2F	1309	366	146	5.8	103
	1310	366	144	5.1	98
	1311	367	147	4.8	97
	1312	367	146	5.2	99
	1313	367	146	4.9	98
	1314	367	147	6.5	104
	1315	367	144	5.0	99
	1316	367	148	6.0	103
	1317	367	143	5.6	97
	1318	367	143	5.0	98
	1319	367	146	5.1	103
	1320	367	145	4.9	98
B2F	1401	366	145	4.9	99
	1402	366	145	5.5	97
	1403	366	145	4.9	98
	1404	366	145	6.0	98
	1405	366	146	5.8	102
	1406	366	146	4.7	97
	1407	366	145	5.1	98
	1408	366	147	5.4	99
	1409	366	144	6.3	100
	1410	366	145	5.2	98
	1411	367	147	5.2	100
	1412	367	148	5.4	103
	1413	367	147	4.9	97
	1414	367	145	5.8	101
	1415	367	147	5.2	100
	1416	367	144	6.0	102

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
Group	ID	Day		
B2F	1417	367	145	4.7
	1418	367	146	5.4
	1419	367	145	4.2
	1420	367	144	5.6
B5F	1501	366	147	5.6
	1502	366	147	5.6
	1503	366	144	5.4
	1504	366	145	6.1
	1505	366	147	5.5
	1506	366	145	5.8
	1507	366	146	5.4
	1508	366	147	5.6
	1509	366	145	6.7
	1510	366	145	5.3
	1511	367	147	5.3
	1512	367	146	5.1
	1513	367	146	6.1
	1514	367	144	5.3
	1515	367	146	4.6
	1517	367	148	6.0
	1518	367	147	5.8
	1519	367	146	5.9
	1520	367	146	5.3
E0.2F	1601	366	144	5.8
	1602	366	141	5.3
	1603	366	148	6.0
	1604	366	145	5.0
	1605	366	146	4.7

Table C-14. Individual Animal Serum Chemistry Data – Females

Animal		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
Group	ID	Day		
E0.2F	1606	366	145	5.7
	1607	366	148	4.9
	1608	366	148	4.7
	1609	366	143	5.2
	1610	366	145	5.5
	1611	367	146	5.1
	1612	367	143	5.2
	1613	367	144	5.7
	1614	367	145	5.5
	1615	367	145	4.5
	1616	367	144	4.5
	1617	367	146	5.1
	1618	367	146	4.7
	1619	367	145	5.1
	1620	367	147	5.3
E2F	1701	366	143	5.8
	1702	366	146	4.9
	1703	366	146	5.5
	1704	366	146	4.8
	1705	366	146	5.2
	1706	366	145	5.3
	1707	366	147	5.6
	1708	366	147	4.8
	1709	366	145	6.3
	1710	366	147	5.2
	1711	367	148	5.4
	1712	367	146	5.2
	1713	367	147	5.7

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	
	ID	Day			
E2F	1714	367	143	4.2	100
	1715	367	147	5.4	99
	1716	367	145	5.6	99
	1717	367	147	5.2	99
	1718	367	147	5.6	100
	1719	367	147	4.6	97
	1720	367	146	5.4	100
E5F	1801	366	145	5.3	100
	1803	366	146	5.0	100
	1804	366	148	5.6	103
	1805	366	143	5.6	97
	1806	366	145	5.8	101
	1807	366	146	5.3	99
	1808	366	149	4.8	98
	1810	366	148	4.9	99
	1811	367	144	5.5	98
	1812	367	146	5.1	97
	1813	367	147	4.3	98
	1814	367	144	6.3	102
	1815	367	145	5.5	100
	1816	367	144	6.1	100
	1817	367	147	4.3	103
	1818	367	145	5.3	100
	1819	367	147	6.0	99
	1820	367	147	5.0	100

APPENDIX D: NICOTINE IN FEED FORMULATION ANALYSIS

Table D-1. Concentration Results for the Tobacco Blend Formulations Analyzed 2/18/09

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) ± s	RSD	Average RE (%)
5-BLEND-3 B0.2F	71	1.88	2.11	1.81	14.9 ^c	-4.0
			1.41			
			2.06			
			1.58			
			1.87			
			1.80			
5-BLEND-7 B2F	713	18.8	20.4	20.8	4.0	10.4 ^c
			21.7			
			20.2			

a. Quantity of tobacco blend (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Formulation was approved for use by the client.

Table D-2. Concentration Results for the Tobacco Blend Formulations Analyzed 3/18/09

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) ± s	RSD	Average RE (%)
6-BLEND-1 B0.2M	91	2.40	2.85	2.17 ± 0.37	17.1 ^c	-9.7
			2.08			
			2.17			
			2.04			
			2.16			
			1.71			
6A-BLEND-1 ^d B0.2M	91	2.40	2.32	2.39 ± 0.3	12.6 ^e	-0.5
			2.87			
			2.07			
			1.93			
			2.11			
			2.79			
			2.26			
			2.80			
			2.44			
			2.44			
			2.39			
			2.22			

a. Quantity of tobacco blend (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Additional replicates were analyzed due to a high RSD, but the RSD was still greater than 10%. Formulation was discarded and a new batch was prepared and analyzed.

d. Reformulation analyzed on 3/24/09.

e. Twelve replicates were analyzed of this reformulation and the RSD was greater than 10%. Formulation was approved for use by the Study Director.

Table D-3. Concentration Results for the Tobacco Extract Formulations Analyzed 3/18/09

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) ± s	RSD	Average RE (%)
6-EXTRACT-7 E2F	1087	25.0	28.4	28.3 ± 0.5	2.0	13.2 ^c
			27.8			
			28.7			

a. Quantity of tobacco extract (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Formulation was approved for use by the client.

Table D-4. Concentration Results for the Tobacco Blend Formulations Analyzed 4/13/09

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) ± s	RSD	Average RE (%)
7-BLEND-1 B0.2M	119	3.13	3.63	3.61 ± 0.16	4.4	15.4 ^c
			3.76			
			3.45			

a. Quantity of tobacco blend (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample has RE greater than 10%. Formulation was approved for use by the client.

Table D-5. Concentration Results for the Tobacco Blend Formulations Analyzed 5/18/09

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) ± s	RSD	Average RE (%)
8-BLEND-2 B0.2F	119	3.13	2.94	3.28 ± 0.35	10.7 ^c	4.8
			3.63			
			3.27			
8-BLEND-3 B0.2M	122	3.20	3.65	3.83 ± 0.42	11.0 ^d	19.7 ^d
			4.31			
			3.53			
8A-BLEND-3 B0.2M	122	3.20	3.56	3.76 ± 0.37	9.8	17.5 ^c
			4.14			
			3.88			
			3.12			
			4.06			
			3.80			
8-BLEND-4 B0.2M	122	3.20	4.25	3.64 ± 0.54	14.8 ^c	13.6 ^c
			3.21			
			3.45			

a. Quantity of tobacco blend (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Formulation was approved for use by the client.

d. Sample exceeded acceptance criteria. Sample was discarded and re-prepared.

Table D-6. Concentration Results for the Tobacco Blend Formulations Analyzed 7/8/09

Formulation ID	Target Test Article Concentration (mg/kg)^a	Target Nicotine Concentration (mg/kg)^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) \pm s	RSD	Average RE (%)
9-BLEND-1 B0.2F	119	3.13	4.21	4.05 \pm 0.26	6.4	29.4 ^c
			4.19			
			3.75			
9-BLEND-2 B0.2F	119	3.13	2.94	3.77 \pm 0.88	23.3 ^c	20.5 ^c
			3.67			
			4.70			
9-BLEND-3 B0.2M	122	3.20	3.65	3.83 \pm 0.18	4.7	19.6 ^c
			3.83			
			4.00			
9-BLEND-6 B2F	1189	31.2	36.6	36.1 \pm 0.4	1.0	15.8 ^d
			36.0			
			35.8			
9-BLEND-7 B2M	1218	32.0	37.8	36.2 \pm 1.4	3.9	13.1 ^d
			35.2			
			35.6			
9-BLEND-8 B2M	1218	32.0	37.5	37.3 \pm 0.2	0.5	16.5 ^c
			37.2			
			37.1			
9-BLEND-12 B5M	3044	80.0	90.7	89.0 \pm 1.5	1.7	11.3 ^d
			88.0			
			88.3			
9A-BLEND-1 B0.2F	119	3.13	3.59	3.65 \pm 0.38	10.4 ^{d,e}	16.6 ^{d,e}
			3.25			
			4.29			
			3.62			
			3.32			
			3.82			
9B-BLEND-1 B0.2F ^f	119	3.13	3.63	3.88 \pm 0.26	6.7	24.0 ^g
			4.14			
			3.87			

a. Quantity of tobacco blend (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Sample was discarded and re-prepared.

d. Sample exceeded acceptance criteria. Formulation was approved for use by the client.

e. Sample was a reformulation of the B0.2F, and was analyzed on 7/16/09.

f. Sample was a reformulation of the B0.2F, and was analyzed on 8/3/09.

g. Sample exceeded acceptance criteria. Sample was discarded.

Table D-7. Concentration Results for the Tobacco Extract Formulations Analyzed 7/8/09

Formulation ID	Target Test Article Concentration (mg/kg)^a	Target Nicotine Concentration (mg/kg)^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) ± s	RSD	Average RE (%)
9-EXTRACT-1 E0.2F	136	3.13	3.48	3.52 ± 0.05	1.0	12.5 ^c
			3.58			
			3.50			
9-EXTRACT-2 E0.2F	136	3.13	3.41	3.48 ± 0.07	2.0	11.1 ^c
			3.54			
			3.48			
9-EXTRACT-3 E0.2M	139	3.20	3.65	3.71 ± 0.06	2.0	16.0 ^c
			3.76			
			3.72			

a. Quantity of tobacco extract (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Formulation was approved for use by the client.

Table D-8. Concentration Results for the Tobacco Blend Formulations Analyzed 9/9/09

Formulation ID	Target Test Article Concentration (mg/kg)^a	Target Nicotine Concentration (mg/kg)^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) ± s	RSD	Average RE (%)
10-BLEND-1 B0.2F	119	3.13	3.59	3.35 ± 0.36	10.7 ^c	7.0
			2.96			
			3.04			
			3.11			
			3.84			
			3.55			
10-BLEND-2 B0.2F	119	3.13	3.31	3.27 ± 0.34	10.4 ^c	4.4
			3.39			
			2.89			
			3.86			
			3.06			
			3.09			
10-BLEND-12 B5M	3044	80.0	88.2	88.3 ± 0.2	0.2	10.4 ^c
			88.2			
			88.5			

a. Quantity of tobacco blend (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Formulation was approved for use by the client.

Table D-9. Concentration Results for the Tobacco Extract Formulations Analyzed 9/9/09

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) \pm s	RSD	Average RE (%)
10-EXTRACT-4 E0.2M	139	3.20	3.85	3.74 \pm 0.27	7.2	16.8 ^c
			3.43			
			3.93			

a. Quantity of tobacco extract (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Sample was discarded and re-prepared.

Table D-10. Concentration Results for the Tobacco Blend Formulations Analyzed 10/29/09

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) \pm s	RSD	Average RE (%)
11-BLEND-3 B0.2M	122	3.20	4.01	3.59 \pm 0.55	15.3 ^c	12.3 ^c
			4.48			
			3.10			
			3.24			
			3.56			
			3.16			

a. Quantity of tobacco blend (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Formulation was approved for use by the client.

Table D-11. Concentration Results for the Tobacco Extract Formulations Analyzed 11/4/09

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) \pm s	RSD	Average RE (%)
11-EXTRACT-2 E0.2F	136	3.13	2.78	2.73 \pm 0.04	1.0	-12.7 ^c
			2.72			
			2.70			

a. Quantity of tobacco extract (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Formulation was approved for use by the client.

Table D-12. Concentration Results for the Tobacco Blend Formulations Analyzed 12/23/09

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) ± s	RSD	Average RE (%)
12-BLEND-2 B0.2F	119	3.13	3.28	3.13 ± 0.44	14.1 ^c	0.0
			3.84			
			2.96			
			2.64			
			3.30			
			2.76			
12-BLEND-3 B0.2M	122	3.20	3.42	3.47 ± 0.42	12.1 ^c	8.5
			3.25			
			3.64			
			3.64			
			4.05			
			2.82			
12-BLEND-6 B2F	1189	31.2	36.5	34.8 ± 1.6	4.6	11.5 ^c
			34.6			
			33.3			
12-BLEND-7 B2M	1218	32.0	35.2	35.4 ± 1.4	4.0	10.6 ^c
			36.9			
			34.1			

a. Quantity of tobacco blend (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Formulation was approved for use by the client.

Table D-13. Concentration Results for the Tobacco Blend Formulations Analyzed 2/18/10

Formulation ID	Target Test Article Concentration (mg/kg) ^a	Target Nicotine Concentration (mg/kg) ^b	Determined Concentration (mg/kg)	Average Determined Concentration (mg/kg) ± s	RSD	Average RE (%)
13-BLEND-1 B0.2F	119	3.13	3.13	3.35 ± 0.41	12.2 ^c	6.9
			3.46			
			3.90			
			3.16			
			2.76			
			3.67			
13-BLEND-2 B0.2F	119	3.13	3.42	3.39 ± 0.38	11.2 ^c	8.3
			2.84			
			3.41			
			3.19			
			4.00			
			3.47			

a. Quantity of tobacco blend (mg) per kg of feed.

b. Quantity of nicotine (mg) per kg of feed.

c. Sample exceeded acceptance criteria. Formulation was approved for use by the Study Director.

APPENDIX E: PATHOLOGY INDIVIDUAL ANIMAL DATA

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
CM	101	365	0.039	2.113	1.2377	1.008	1.908
	102	365	0.049	2.095	1.2265	1.003	1.887
	103	365	0.044	2.060	1.2013	0.952	1.615
	104	365	0.059	2.086	1.8114	1.288	2.130
	105	365	0.046	2.075	1.3622	1.347	2.925
	106	365	0.050	1.972	1.5986	1.098	2.014
	107	365	0.042	2.111	1.2806	1.239	2.434
	108	365	0.036	2.159	1.3403	1.266	2.289
	109	365	0.049	2.111	0.7368	1.132	2.264
	110	365	0.051	2.182	1.3954	1.208	2.136
	111	366	0.056	2.118	1.2909	1.319	2.614
	112	366	0.050	2.195	1.7619	1.198	2.105
B0.2M	113	366	0.063	2.074	1.3538	1.279	2.453
	114	366	0.040	2.200	1.3345	1.267	2.395
	115	366	0.058	2.149	1.3561	1.144	2.369
	116	366	0.042	2.092	1.2918	1.095	2.156
	117	366	0.058	2.178	2.0676	1.082	2.305
	118	366	0.051	2.206	1.5367	1.207	2.107
	119	366	0.055	2.090	1.5315	1.301	2.530
	120	366	0.037	2.010	1.5742	1.053	2.144
	301	365	0.039	1.981	1.4111	1.140	2.136
	302	365	0.042	2.141	1.1094	1.024	2.173
	303	365	0.050	2.137	1.2703	1.105	1.953
	304	365	0.065	2.086	1.1599	1.350	2.299
	305	365	0.042	2.001	1.2903	0.915	1.752
	306	365	0.051	2.252	1.4777	1.385	2.777
	307	365	0.042	2.044	1.2070	1.059	1.986
	308	365	0.049	2.325	1.3467	1.150	2.323

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
B0.2M	309	365	0.051	2.178	1.5417	1.160	1.995
	310	365	0.049	2.193	1.4591	1.147	2.490
	311	366	0.041	1.985	1.2620	1.260	2.296
	312	366	0.053	2.203	1.5484	1.362	2.578
	313	366	0.045	2.152	1.4178	1.127	2.005
	314	366	0.056	1.951	1.0782	1.010	2.153
	315	366	0.048	2.136	1.2802	1.073	2.447
	316	366	0.053	2.051	1.6469	1.200	2.108
	317	366	0.049	2.106	1.3597	1.197	2.319
	318	366	0.058	2.035	1.3513	1.210	2.034
	319	366	0.059	2.092	1.3463	1.156	2.553
	320	366	0.061	1.999	1.4504	1.269	2.084
B2M	401	365	0.051	2.270	1.4074	1.303	2.035
	402	365	0.053	2.292	1.4510	1.265	2.408
	403	365	0.035	2.201	1.1596	1.051	2.183
	404	365	0.048	2.070	1.3364	1.135	2.086
	405	365	0.047	2.240	1.2904	0.980	2.053
	406	365	0.043	2.128	1.3527	1.152	1.924
	407	365	0.057	2.135	1.3249	1.104	2.195
	408	365	0.058	2.310	1.3223	1.166	2.243
	409	365	0.058	1.972	1.2213	1.389	2.911
	410	365	0.045	2.214	1.3257	1.201	2.183
	411	366	0.051	2.326	1.2767	1.424	2.411
	412	366	0.056	2.093	1.3599	1.127	1.989
	413	366	0.049	2.108	1.4782	1.176	2.347
	414	366	0.055	2.194	1.3758	1.057	2.216
	415	366	0.050	2.237	1.2321	1.279	2.177
	416	366	0.048	2.109	1.4502	1.269	2.169

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
B2M	417	366	0.050	2.204	1.2963	1.211	2.213
	418	366	0.057	2.227	1.3151	1.307	2.496
	419	366	0.043	2.102	1.3518	1.116	2.113
	420	366	0.057	1.981	1.1787	1.338	2.207
B5M	501	365	0.060	2.243	1.1287	1.168	2.255
	502	365	0.040	2.156	1.6756	1.145	2.633
	503	365	0.043	1.999	1.2970	0.984	2.034
	505	365	0.051	2.131	1.3302	1.093	2.193
	506	365	0.057	2.224	1.2818	1.282	2.223
	507	365	0.048	2.198	1.2200	1.110	2.203
	508	365	0.052	2.186	1.3590	1.140	2.462
	509	365	0.060	2.208	1.3366	1.224	2.262
	510	365	0.048	2.182	1.4778	1.258	2.546
	511	366	0.056	2.121	1.3616	1.340	2.526
	512	366	0.043	2.241	1.4005	1.292	2.217
	513	366	0.048	2.138	1.2651	1.238	1.840
	514	366	0.052	2.148	1.2340	1.089	2.414
	515	366	0.043	2.136	1.4641	1.014	2.162
	516	366	0.048	1.822	1.4051	1.156	2.443
	517	366	0.045	1.925	1.1845	0.953	1.622
	518	366	0.046	2.062	1.3901	1.250	2.169
	519	366	0.051	2.195	1.4904	1.293	2.387
	520	366	0.043	2.048	1.3928	1.061	1.833
E0.2M	601	365	0.043	2.068	1.4701	0.919	1.923
	602	365	0.055	2.128	1.0857	1.029	2.237
	603	365	0.047	2.298	0.8688	1.154	2.358
	604	365	0.068	2.178	1.5256	1.530	3.029
	605	365	0.048	2.078	1.2630	1.367	2.589

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
E0.2M	606	365	0.041	2.064	1.5203	1.090	2.522
	607	365	0.047	2.079	1.5530	0.886	1.715
	608	365	0.047	2.052	1.3175	1.087	2.010
	609	365	0.069	2.168	1.6360	1.419	2.802
	610	365	0.052	2.185	1.4420	1.443	2.644
	611	366	0.047	2.218	1.3063	1.299	2.440
	612	366	0.047	2.222	1.3024	1.166	2.075
	613	366	0.049	2.249	1.5545	1.347	2.879
	614	366	0.046	2.067	1.3573	1.357	2.468
	615	366	0.041	1.975	1.2648	1.005	1.931
	616	366	0.043	1.872	1.2140	1.133	2.096
	617	366	0.059	1.961	1.3283	0.960	1.962
E2M	618	366	0.045	2.014	1.4801	1.195	2.025
	619	366	0.043	2.053	1.2773	1.146	2.269
	620	366	0.052	2.179	1.4414	1.236	2.580
	701	365	0.048	2.098	1.4786	1.149	2.391
	702	365	0.048	2.019	1.3086	1.283	2.248
	703	365	0.044	2.066	1.4275	1.218	2.313
	704	365	0.049	2.061	1.3314	1.228	2.542
	705	365	0.041	2.072	1.3769	1.021	1.797
	706	365	0.047	2.055	1.3572	1.150	2.278
	707	365	0.046	2.039	1.3564	1.330	2.681
	708	365	0.058	2.159	1.4195	1.067	2.362
	709	365	0.050	2.241	1.3116	1.009	1.897
	710	365	0.057	2.055	1.5656	1.327	2.618
	711	366	0.048	2.120	1.3834	1.150	2.493
	712	366	0.051	2.257	1.3554	1.152	2.282
	713	366	0.061	2.064	1.3479	1.197	2.186

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
E2M	714	366	0.041	2.071	1.5551	1.050	2.083
	715	366	0.053	2.170	1.3916	1.324	2.637
	716	366	0.071	2.159	1.3070	1.202	2.500
	717	366	0.054	2.146	1.3897	1.092	2.250
	718	366	0.045	1.909	1.5531	1.118	1.899
	719	366	0.049	1.939	1.3815	1.108	2.189
	720	366	0.046	2.043	1.6120	1.052	2.108
E5M	801	365	0.029	2.156	1.3883	1.132	2.249
	802	365	0.048	2.012	1.5174	0.953	2.148
	803	365	0.047	2.190	1.4222	1.348	2.626
	804	365	0.032	2.242	0.6975	1.293	2.595
	805	365	0.039	2.290	1.2343	1.104	2.298
	806	365	0.048	2.038	1.1453	0.938	1.888
	807	365	0.047	2.028	1.2681	1.043	1.988
	808	365	0.043	2.254	1.4061	1.171	2.237
	809	365	0.036	1.972	1.3296	1.036	1.954
	810	365	0.056	2.014	0.8156	1.072	1.985
	811	366	0.053	2.052	1.4340	1.291	2.638
	812	366	0.052	2.114	1.3519	1.235	2.385
	813	366	0.042	2.165	1.2707	1.129	2.475
	814	366	0.050	2.164	1.4427	1.155	2.389
	815	366	0.050	2.197	1.5585	1.350	2.634
	816	366	0.034	2.031	1.3081	1.259	2.395
	817	366	0.043	2.283	1.6110	1.188	2.448
	818	366	0.053	2.114	1.1353	1.221	2.152
	819	366	0.053	2.015	1.2223	0.986	1.988
	820	366	0.044	2.024	1.5411	1.263	2.398

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
CM	101	365	7.761	3.179	0.007	1.172	0.594
	102	365	7.877	3.922	0.009	1.022	0.794
	103	365	8.077	2.090	0.009	1.229	0.614
	104	365	9.790	4.144	0.011	1.512	0.763
	105	365	11.948	3.794	0.008	1.238	0.820
	106	365	8.959	3.467	0.015	1.120	0.667
	107	365	11.569	3.233	0.012	1.217	0.706
	108	365	9.329	2.589	0.014	1.164	0.566
	109	365	10.185	2.775	0.012	0.824	0.695
	110	365	10.177	3.718	0.011	1.498	0.656
	111	366	12.160	3.326	0.011	1.324	0.778
	112	366	9.153	3.883	0.011	1.337	0.683
	113	366	10.523	3.116	0.016	1.211	0.795
	114	366	9.841	3.436	0.015	1.151	0.713
	115	366	9.287	3.150	0.013	1.308	0.758
	116	366	8.377	2.308	0.012	0.786	0.687
	117	366	10.269	4.170	0.011	1.072	0.748
	118	366	9.394	3.107	0.012	1.558	0.823
	119	366	10.458	4.005	0.007	1.074	0.779
	120	366	9.380	3.606	0.012	1.249	0.705
B0.2M	301	365	8.807	3.444	0.013	1.022	0.576
	302	365	9.708	1.932	0.011	1.225	0.652
	303	365	9.429	3.842	0.015	1.235	0.672
	304	365	11.185	3.248	0.011	1.425	0.696
	305	365	7.219	2.125	0.014	1.357	0.592
	306	365	12.101	3.467	0.016	2.329	0.870
	307	365	7.879	3.105	0.012	1.327	0.607
	308	365	11.433	2.731	0.013	1.454	0.751

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
B0.2M	309	365	9.471	2.488	0.012	1.143	0.699
	310	365	9.807	3.656	0.015	1.825	0.635
	311	366	8.669	4.410	0.012	1.089	0.621
	312	366	10.783	4.386	0.014	0.896	0.740
	313	366	9.602	2.279	0.011	2.181	0.752
	314	366	8.522	3.173	0.014	0.686	0.601
	315	366	9.821	3.044	0.013	1.084	0.700
	316	366	10.496	3.371	0.017	1.531	0.819
	317	366	9.844	3.479	0.011	1.163	0.655
	318	366	9.064	4.193	0.016	1.466	0.747
	319	366	10.263	2.875	0.012	1.730	0.732
	320	366	9.049	3.060	0.011	1.221	0.752
B2M	401	365	9.714	2.585	0.010	1.005	0.764
	402	365	9.180	3.792	0.018	1.068	0.770
	403	365	9.042	3.242	0.010	1.390	0.763
	404	365	9.710	3.838	0.012	0.916	0.748
	405	365	8.179	2.011	0.011	1.700	0.903
	406	365	8.746	2.995	0.012	1.266	0.728
	407	365	10.026	2.641	0.011	1.205	0.826
	408	365	10.012	4.602	0.011	2.275	0.793
	409	365	14.184	3.484	0.012	1.232	0.827
	410	365	8.651	3.117	0.011	2.173	0.680
	411	366	10.205	3.453	0.020	1.816	0.720
	412	366	8.995	2.795	0.012	1.386	0.858
	413	366	9.663	2.264	0.014	1.374	0.698
	414	366	8.842	3.158	0.014	1.530	0.792
	415	366	9.666	3.248	0.013	0.726	0.788
	416	366	9.638	3.338	0.009	1.435	0.751

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
B2M	417	366	9.103	2.662	0.011	1.084	0.700
	418	366	10.367	2.800	0.010	2.149	0.684
	419	366	8.513	3.446	0.011	1.094	0.696
	420	366	10.881	3.371	0.010	1.296	0.722
B5M	501	365	9.358	4.753	0.011	1.341	0.854
	502	365	10.492	4.583	0.014	1.311	0.770
	503	365	7.277	3.259	0.011	1.259	0.876
	505	365	8.782	4.057	0.010	0.817	0.695
	506	365	10.507	3.234	0.011	1.269	0.852
	507	365	8.498	4.090	0.013	1.757	0.686
	508	365	10.394	2.900	0.014	1.338	0.772
	509	365	9.337	3.458	0.012	1.901	0.667
	510	365	9.860	2.947	0.011	1.272	0.726
	511	366	10.815	4.020	0.014	1.225	0.863
	512	366	9.599	3.625	0.014	1.279	0.689
	513	366	7.936	3.880	0.010	1.962	0.849
	514	366	9.052	3.172	0.013	0.953	0.718
	515	366	9.279	3.137	0.010	1.062	0.727
	516	366	9.096	2.460	0.007	1.314	0.748
	517	366	7.275	2.019	0.008	1.422	0.593
	518	366	9.468	2.499	0.011	2.041	0.834
	519	366	11.227	4.146	0.018	1.107	0.718
	520	366	8.320	2.907	0.009	1.054	0.643
E0.2M	601	365	9.021	3.406	0.014	1.167	0.763
	602	365	10.359	3.036	0.010	1.825	0.626
	603	365	10.794	3.230	0.019	1.013	0.685
	604	365	15.883	4.582	0.013	1.045	0.697
	605	365	11.160	5.300	0.015	0.972	0.816

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
E0.2M	606	365	9.674	2.499	0.011	1.823	0.724
	607	365	7.165	3.264	0.010	1.051	0.529
	608	365	8.299	2.999	0.010	1.741	0.641
	609	365	14.211	2.946	0.017	1.609	0.857
	610	365	12.433	4.953	0.012	1.430	0.780
	611	366	11.551	2.592	0.015	1.299	0.660
	612	366	9.999	4.146	0.014	1.728	0.718
	613	366	9.985	2.103	0.014	1.438	0.749
	614	366	11.165	3.429	0.010	1.384	0.730
	615	366	7.979	2.804	0.007	1.554	0.625
	616	366	8.587	3.373	0.010	0.976	0.664
	617	366	8.825	2.439	0.010	1.390	0.699
	618	366	9.172	2.191	0.015	0.990	0.736
	619	366	10.037	2.284	0.016	1.492	0.613
	620	366	11.102	3.184	0.016	1.525	0.877
E2M	701	365	10.476	3.444	0.013	1.170	0.741
	702	365	10.424	4.244	0.012	1.079	0.762
	703	365	10.198	3.433	0.012	1.274	0.729
	704	365	11.842	3.836	0.017	1.228	0.680
	705	365	8.012	3.218	0.009	1.819	0.504
	706	365	8.654	3.490	0.013	1.538	0.654
	707	365	13.081	3.951	0.011	1.151	0.802
	708	365	10.209	4.647	0.011	1.409	0.706
	709	365	8.114	2.424	0.011	1.128	0.605
	710	365	10.335	4.277	0.011	1.414	0.857
	711	366	11.307	2.720	0.011	1.422	0.801
	712	366	8.849	3.485	0.011	0.821	0.627
	713	366	8.628	3.848	0.013	1.291	0.731

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Animal							
Group	ID	Day	Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
E2M	714	366	9.254	3.443	0.012	1.236	0.747
	715	366	10.910	4.468	0.013	1.268	0.757
	716	366	9.285	3.273	0.014	1.043	0.714
	717	366	9.764	2.637	0.008	1.157	0.735
	718	366	8.204	2.964	0.010	1.026	0.687
	719	366	7.976	3.198	0.011	0.967	0.596
	720	366	8.776	4.063	0.012	1.015	0.682
E5M	801	365	9.113	3.258	0.012	1.214	0.806
	802	365	8.768	2.944	0.009	2.153	0.759
	803	365	9.797	3.664	0.014	1.549	0.810
	804	365	10.635	3.245	0.014	0.806	0.728
	805	365	9.762	3.452	0.012	1.229	0.672
	806	365	8.263	2.843	0.013	1.149	0.613
	807	365	8.363	4.124	0.014	0.742	0.708
	808	365	10.303	3.006	0.014	1.062	0.705
	809	365	8.204	3.478	0.011	1.256	0.691
	810	365	8.683	3.985	0.012	1.442	0.668
	811	366	11.154	2.681	0.012	1.065	0.755
	812	366	9.468	2.751	0.012	0.942	0.694
	813	366	9.082	3.917	0.018	1.813	0.880
	814	366	10.390	3.766	0.012	1.476	0.841
	815	366	10.973	3.298	0.013	1.090	0.771
	816	366	9.555	2.960	0.011	1.148	0.707
	817	366	10.591	4.417	0.014	1.411	0.748
	818	366	10.049	3.376	0.009	0.988	0.730
	819	366	8.335	3.050	0.013	1.468	0.641
	820	366	9.172	2.916	0.014	1.508	0.795

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
CM	101	365	1.081	0.739	4.103	0.272	0.030
	102	365	1.440	0.692	3.405	0.148	0.039
	103	365	1.326	0.829	3.875	0.073	0.030
	104	365	1.496	0.968	4.073	0.105	0.037
	105	365	1.129	0.836	4.077	0.347	0.035
	106	365	1.291	0.508	3.382	0.122	0.048
	107	365	1.149	0.978	4.198	0.220	0.033
	108	365	1.030	0.687	4.022	0.071	0.049
	109	365	1.111	0.805	1.154	0.224	0.035
	110	365	1.661	0.590	4.087	0.125	0.037
	111	366	1.273	0.768	4.587	0.103	0.039
	112	366	1.525	0.709	3.577	0.132	0.048
B0.2M	113	366	1.576	0.685	4.341	0.172	0.032
	114	366	1.199	0.632	3.633	0.195	0.046
	115	366	1.705	0.813	4.312	0.169	0.035
	116	366	0.886	0.801	3.805	0.172	0.031
	117	366	1.256	0.846	3.937	0.115	0.039
	118	366	1.476	0.815	4.741	0.202	0.038
	119	366	1.432	0.717	3.936	0.110	0.035
	120	366	1.386	0.733	3.847	0.101	0.040
	301	365	1.442	0.645	3.926	0.188	0.033
	302	365	1.195	0.786	3.907	0.160	0.038
	303	365	1.365	0.611	3.636	0.207	0.031
	304	365	0.957	0.889	4.861	0.254	0.042
	305	365	1.208	0.569	4.068	0.267	0.033
	306	365	1.476	0.991	4.694	0.193	0.040
	307	365	1.627	0.593	4.036	0.118	0.029
	308	365	1.044	0.955	4.019	0.193	0.037

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
B0.2M	309	365	1.584	0.765	4.077	0.040	0.060
	310	365	1.448	0.864	3.833	0.231	0.040
	311	366	1.151	0.643	3.973	0.183	0.029
	312	366	1.276	0.704	4.479	0.147	0.037
	313	366	1.654	0.722	4.070	0.154	0.040
	314	366	0.890	0.489	3.715	0.201	0.036
	315	366	1.253	0.688	4.003	0.323	0.030
	316	366	1.344	0.947	4.331	0.212	0.044
	317	366	1.764	0.850	4.123	0.098	0.027
	318	366	1.590	0.639	4.413	0.214	0.025
	319	366	1.720	0.722	4.491	0.136	0.041
	320	366	1.550	0.626	3.843	0.084	0.042
B2M	401	365	1.478	0.680	4.113	0.239	0.038
	402	365	1.579	0.782	4.277	0.144	0.032
	403	365	1.416	0.588	4.436	0.126	0.041
	404	365	1.139	0.761	3.596	0.106	0.046
	405	365	1.748	0.660	3.279	0.071	0.031
	406	365	1.569	0.873	4.014	0.180	0.022
	407	365	1.637	0.657	3.273	0.192	0.031
	408	365	1.382	0.639	3.997	0.144	0.032
	409	365	1.313	0.731	4.080	0.062	0.039
	410	365	1.574	0.893	3.726	0.240	0.042
	411	366	1.551	0.783	4.305	0.229	0.069
	412	366	1.854	0.757	3.755	0.112	0.035
	413	366	1.966	0.684	5.032	0.116	0.032
	414	366	1.289	0.581	4.297	0.070	0.037
	415	366	0.962	0.763	3.780	0.149	0.036
	416	366	1.937	0.634	4.163	0.108	0.031

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
B2M	417	366	1.239	0.634	4.213	0.120	0.034
	418	366	1.612	0.847	3.850	0.211	0.040
	419	366	1.497	0.735	3.894	0.276	0.030
	420	366	1.313	0.659	4.537	0.347	0.037
B5M	501	365	1.824	0.711	2.775	0.229	0.026
	502	365	1.270	0.713	3.991	0.115	0.036
	503	365	1.426	0.573	3.640	0.143	0.032
	505	365	1.074	0.573	3.554	0.171	0.034
	506	365	1.624	0.799	3.877	0.136	0.035
	507	365	1.458	0.620	3.962	0.217	0.039
	508	365	1.658	0.751	4.313	0.185	0.032
	509	365	1.360	0.579	4.148	0.175	0.035
	510	365	1.554	0.960	4.562	0.087	0.027
	511	366	1.129	0.792	4.611	0.286	0.027
	512	366	1.439	0.647	4.389	0.094	0.041
	513	366	1.379	0.717	3.742	0.139	0.030
	514	366	1.330	0.674	4.193	0.144	0.039
	515	366	1.322	0.645	4.197	0.103	0.026
	516	366	1.133	0.619	3.887	0.151	0.026
	517	366	1.283	0.604	3.711	0.095	0.027
	518	366	1.552	0.692	3.952	0.083	0.034
	519	366	1.661	0.696	4.399	0.301	0.041
	520	366	1.085	0.698	3.570	0.136	0.018
E0.2M	601	365	1.419	0.647	3.746	0.088	0.030
	602	365	1.323	0.591	3.925	0.268	0.046
	603	365	1.436	0.971	1.067	0.158	0.044
	604	365	1.380	0.836	4.350	0.342	0.036
	605	365	1.108	0.972	4.282	0.158	0.036

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
E0.2M	606	365	1.368	0.720	3.759	0.207	0.038
	607	365	1.342	0.532	3.571	0.107	0.026
	608	365	1.328	0.639	3.847	0.165	0.039
	609	365	1.523	1.146	5.035	0.187	0.050
	610	365	1.768	0.703	4.114	0.224	0.034
	611	366	1.261	0.832	3.915	0.160	0.044
	612	366	1.247	0.747	4.779	0.240	0.045
	613	366	1.607	0.779	5.391	0.098	0.034
	614	366	1.737	0.630	3.989	0.125	0.051
	615	366	1.324	0.589	3.692	0.265	0.040
	616	366	1.150	0.642	3.821	0.271	0.034
	617	366	1.353	0.681	4.042	0.135	0.028
E2M	618	366	1.145	0.933	4.261	0.235	0.049
	619	366	1.213	0.645	4.054	0.119	0.033
	620	366	1.709	0.787	4.270	0.104	0.054
	701	365	1.475	0.716	4.059	0.114	0.037
	702	365	1.403	0.694	4.227	0.194	0.037
	703	365	1.547	0.633	4.073	0.152	0.028
	704	365	1.468	0.912	4.066	0.218	0.037
	705	365	1.692	0.610	3.874	0.081	0.031
	706	365	1.837	0.731	3.870	0.107	0.043
	707	365	1.199	0.795	3.988	0.176	0.038
	708	365	1.410	0.753	4.309	0.281	0.036
	709	365	1.449	0.677	3.771	0.157	0.037
	710	365	1.288	0.763	4.203	0.240	0.034
	711	366	1.361	0.614	3.821	0.140	0.033
	712	366	1.429	0.811	4.049	0.281	0.023
	713	366	1.314	0.616	4.654	0.191	0.036

Table E-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
E2M	714	366	1.177	0.798	4.298	0.130	0.036
	715	366	1.255	0.837	3.974	0.202	0.040
	716	366	0.989	0.727	5.681	0.176	0.035
	717	366	1.417	0.743	3.978	0.290	0.029
	718	366	1.095	0.699	3.620	0.087	0.028
	719	366	1.227	0.581	3.882	0.161	0.036
	720	366	1.279	0.582	4.030	0.189	0.030
	801	365	1.394	0.753	3.854	0.140	0.028
E5M	802	365	1.665	0.650	4.433	0.146	0.032
	803	365	1.310	0.694	4.963	0.177	0.028
	804	365	1.365	0.735	0.991	0.174	0.038
	805	365	1.152	0.582	3.900	0.179	0.037
	806	365	1.398	0.719	3.461	0.186	0.031
	807	365	1.032	0.666	3.893	0.156	0.038
	808	365	1.104	0.722	4.992	0.231	0.030
	809	365	1.258	0.634	3.920	0.234	0.025
	810	365	1.316	0.626	1.941	0.172	0.026
	811	366	1.393	0.579	4.381	0.119	0.041
	812	366	1.491	0.783	4.374	0.343	0.035
	813	366	1.429	0.600	3.636	0.183	0.034
	814	366	1.406	0.841	4.178	0.124	0.031
	815	366	1.380	0.802	3.870	0.152	0.038
	816	366	1.650	0.691	4.072	0.280	0.030
	817	366	1.593	0.673	4.121	0.172	0.053
	818	366	1.304	0.778	3.672	0.249	0.045
	819	366	1.353	0.528	3.872	0.189	0.030
	820	366	1.768	0.715	4.927	0.178	0.031

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Adrenal Glands	Brain	Heart	Kidneys	Liver
CF	1101	366	0.077	2.004	0.748	1.508	5.559
	1102	366	0.063	2.159	0.915	1.569	6.507
	1103	366	0.071	1.847	0.823	1.752	6.495
	1104	366	0.038	1.954	0.811	1.464	5.413
	1105	366	0.070	2.026	0.795	1.637	5.679
	1106	366	0.062	2.013	0.798	1.546	5.999
	1107	366	0.051	1.938	0.891	1.538	5.663
	1108	366	0.061	1.936	0.844	1.681	6.105
	1109	366	0.050	1.913	0.834	1.373	5.450
	1110	366	0.061	1.990	0.926	1.542	6.297
	1111	367	0.048	2.118	0.896	1.706	6.030
	1112	367	0.061	1.873	0.973	1.644	6.905
	1113	367	0.051	1.954	0.811	1.267	4.824
	1114	367	0.055	1.986	0.903	1.679	6.951
	1115	367	0.050	2.103	0.997	1.845	7.009
	1116	367	0.044	1.860	0.749	1.363	4.994
	1117	367	0.037	2.033	0.833	1.394	6.016
	1118	367	0.053	1.815	0.730	1.502	5.866
	1119	367	0.056	1.816	0.971	1.667	6.782
	1120	367	0.055	1.763	0.815	1.200	4.610
B0.2F	1301	366	0.061	1.847	0.826	1.741	6.030
	1302	366	0.067	1.954	0.764	1.533	5.319
	1303	366	0.054	1.897	0.771	1.537	5.825
	1304	366	0.058	1.879	0.793	1.446	6.483
	1305	366	0.060	1.853	0.726	1.393	5.320
	1306	366	0.038	1.952	0.758	1.495	5.442
	1307	366	0.065	1.929	0.686	1.435	4.726
	1308	366	0.065	1.905	0.825	1.501	6.201

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Adrenal Glands	Brain	Heart	Kidneys	Liver
B0.2F	1309	366	0.064	1.946	0.995	1.600	6.207
	1310	366	0.061	1.885	0.857	1.410	5.811
	1311	367	0.055	2.035	0.989	1.733	7.274
	1312	367	0.052	2.141	0.759	1.438	5.610
	1313	367	0.041	1.958	0.859	1.567	6.646
	1314	367	0.052	2.049	0.903	1.731	6.789
	1315	367	0.044	2.027	0.820	1.410	4.790
	1316	367	0.048	1.818	0.886	1.470	6.149
	1317	367	0.041	1.811	0.718	1.339	4.514
	1318	367	0.071	1.848	0.923	1.593	5.726
	1319	367	0.050	1.949	0.932	1.590	6.016
	1320	367	0.051	2.071	0.846	1.773	7.172
B2F	1401	366	0.060	1.927	0.743	1.460	5.804
	1402	366	0.057	1.945	0.757	1.478	4.923
	1403	366	0.067	1.977	0.926	1.637	6.311
	1404	366	0.059	1.890	0.861	1.480	5.613
	1405	366	0.043	1.847	0.651	1.299	4.781
	1406	366	0.054	1.871	0.798	1.522	4.866
	1407	366	0.064	2.038	0.781	1.459	5.908
	1408	366	0.090	2.085	0.859	1.547	5.765
	1409	366	0.057	1.967	0.762	1.495	5.164
	1410	366	0.037	1.856	0.816	1.374	4.851
	1411	367	0.069	1.892	0.827	1.617	5.236
	1412	367	0.074	2.146	0.932	1.755	6.955
	1413	367	0.075	1.921	0.877	1.559	6.368
	1414	367	0.058	2.070	0.952	1.696	5.696
	1415	367	0.054	1.937	0.787	1.550	6.244

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Adrenal Glands	Brain	Heart	Kidneys	Liver
B2F	1416	367	0.056	2.086	1.010	1.473	6.505
	1417	367	0.063	1.882	0.907	1.844	7.369
	1418	367	0.043	1.916	0.836	1.384	5.107
	1419	367	0.059	1.933	0.835	1.577	5.904
	1420	367	0.053	1.720	0.782	1.277	4.815
B5F	1501	366	0.038	1.878	0.635	1.187	5.135
	1502	366	0.052	1.747	0.581	1.097	4.546
	1503	366	0.047	2.013	0.797	1.477	6.099
	1504	366	0.051	2.020	0.811	1.375	5.634
	1505	366	0.045	1.829	0.681	1.283	5.022
	1506	366	0.053	1.955	0.731	1.257	4.663
	1507	366	0.051	1.790	0.639	1.396	4.954
	1508	366	0.053	1.745	0.607	1.169	4.639
	1509	366	0.036	1.880	0.613	1.317	4.143
	1510	366	0.041	1.905	0.630	1.195	4.928
	1511	367	0.041	1.863	0.702	1.276	4.926
	1512	367	0.051	1.979	0.705	1.302	4.665
E0.2F	1513	367	0.051	1.822	0.672	1.392	4.783
	1514	367	0.051	1.957	0.824	1.506	6.181
	1515	367	0.046	1.998	0.665	1.245	4.984
	1517	367	0.064	1.926	0.771	1.372	5.200
	1518	367	0.067	1.931	0.811	1.596	6.096
	1519	367	0.056	1.908	0.799	1.291	5.892
	1520	367	0.060	1.884	0.766	1.662	6.276
	1601	366	0.062	1.892	0.756	1.447	5.377
E0.2F	1602	366	0.073	1.960	0.855	1.734	7.077
	1603	366	0.045	1.973	0.845	1.664	5.405
	1604	366	0.075	1.861	0.908	1.579	5.673

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Adrenal Glands	Brain	Heart	Kidneys	Liver
E0.2F	1605	366	0.075	1.995	0.915	1.798	6.246
	1606	366	0.061	1.910	0.707	1.547	5.231
	1607	366	0.069	2.084	0.944	1.877	7.711
	1608	366	0.047	2.001	0.856	1.827	6.514
	1609	366	0.066	1.899	0.858	1.625	6.210
	1610	366	0.043	1.834	0.922	1.426	6.516
	1611	367	0.060	1.867	0.842	1.458	5.616
	1612	367	0.048	1.899	0.766	1.514	5.709
	1613	367	0.054	1.986	0.841	1.491	6.128
	1614	367	0.050	1.807	0.734	1.533	5.228
	1615	367	0.056	1.910	0.849	1.591	6.140
	1616	367	0.057	1.944	0.887	1.676	6.229
	1617	367	0.037	1.745	0.774	1.647	6.014
	1618	367	0.044	1.791	0.791	1.383	5.292
E2F	1619	367	0.064	2.057	0.911	1.733	6.729
	1620	367	0.062	1.805	0.762	1.490	5.739
	1701	366	0.062	2.071	0.954	1.875	6.352
	1702	366	0.072	2.065	0.848	1.536	5.719
	1703	366	0.044	1.835	0.774	1.292	5.146
	1704	366	0.049	1.927	0.827	1.459	5.185
	1705	366	0.059	1.926	0.693	1.473	5.575
	1706	366	0.085	2.077	0.855	1.562	5.138
	1707	366	0.059	1.955	0.794	1.411	5.500
	1708	366	0.058	2.021	0.717	1.307	5.723
	1709	366	0.066	1.941	0.803	1.375	5.797
	1710	366	0.048	2.005	0.788	1.485	6.294
	1711	367	0.049	1.985	0.860	1.540	5.779
	1712	367	0.054	1.962	0.852	1.703	5.544

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Adrenal Glands	Brain	Heart	Kidneys	Liver
E2F	1713	367	0.061	2.025	0.801	1.630	7.034
	1714	367	0.050	2.070	1.006	1.719	6.155
	1715	367	0.054	1.903	0.778	1.462	5.992
	1716	367	0.068	1.926	0.871	1.576	5.513
	1717	367	0.066	1.907	0.699	1.655	5.854
	1718	367	0.044	1.792	0.715	1.341	4.187
	1719	367	0.053	2.049	0.885	1.747	6.492
	1720	367	0.063	1.858	0.769	1.305	5.123
	1801	366	0.088	1.851	0.782	1.466	5.552
E5F	1803	366	0.054	1.826	0.694	1.560	5.249
	1804	366	0.042	2.072	0.708	1.424	4.923
	1805	366	0.048	1.920	0.818	1.561	6.251
	1806	366	0.045	1.855	0.708	1.241	5.432
	1807	366	0.051	1.832	0.732	1.388	5.899
	1808	366	0.051	1.818	0.632	1.191	4.823
	1810	366	0.059	2.011	0.738	1.250	5.171
	1811	367	0.074	2.024	0.862	1.692	6.473
	1812	367	0.053	1.951	0.690	1.302	5.856
	1813	367	0.054	1.935	0.760	1.416	5.564
	1814	367	0.054	1.901	0.696	1.290	5.786
	1815	367	0.058	2.034	0.838	1.605	5.850
	1816	367	0.049	1.944	0.726	1.096	5.241
	1817	367	0.037	1.902	0.708	1.334	4.165
	1818	367	0.041	1.843	0.784	1.273	5.193
	1819	367	0.056	1.807	0.718	1.402	5.050
	1820	367	0.063	2.061	0.894	1.404	5.681

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
CF	1101	366	2.213	0.060	0.022	0.594	0.387
	1102	366	2.241	0.082	0.020	0.607	0.575
	1103	366	2.644	0.054	0.018	0.498	0.550
	1104	366	2.645	0.095	0.015	0.491	0.532
	1105	366	2.002	0.358	0.015	0.508	0.541
	1106	366	2.793	0.063	0.017	0.672	0.520
	1107	366	2.868	0.057	0.024	0.519	0.597
	1108	366	3.723	0.063	0.018	0.506	0.485
	1109	366	2.903	0.050	0.013	0.492	0.324
	1110	366	2.704	0.038	0.025	0.493	0.471
	1111	367	2.314	0.106	0.019	0.516	0.562
	1112	367	2.730	0.082	0.019	0.560	0.600
	1113	367	2.618	0.071	0.017	0.494	0.407
	1114	367	1.761	0.045	0.024	0.530	0.541
	1115	367	3.398	0.125	0.020	0.585	0.530
	1116	367	2.822	0.115	0.014	0.503	0.443
	1117	367	2.347	0.068	0.019	0.539	0.486
	1118	367	2.544	0.218	0.018	0.475	0.507
	1119	367	3.061	0.087	0.015	0.507	0.595
	1120	367	2.692	0.035	0.019	0.442	0.434
B0.2F	1301	366	2.597	0.083	0.014	0.565	0.560
	1302	366	2.400	0.079	0.020	0.561	0.469
	1303	366	2.280	0.049	0.019	0.592	0.530
	1304	366	1.620	0.099	0.016	0.567	0.580
	1305	366	1.801	0.053	0.015	0.605	0.464
	1306	366	1.895	0.126	0.022	0.456	0.419
	1307	366	1.913	0.067	0.016	0.489	0.452
	1308	366	2.001	0.073	0.023	0.461	0.485

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
B0.2F	1309	366	2.290	0.087	0.019	0.614	0.537
	1310	366	1.853	0.048	0.023	0.467	0.479
	1311	367	2.487	0.097	0.022	0.658	0.450
	1312	367	2.223	0.042	0.019	0.540	0.551
	1313	367	2.504	0.132	0.018	0.529	0.515
	1314	367	2.813	0.051	0.023	0.518	0.451
	1315	367	1.878	0.087	0.011	0.520	0.433
	1316	367	2.238	0.085	0.020	0.495	0.474
	1317	367	2.411	0.040	0.018	0.446	0.439
	1318	367	3.247	0.064	0.017	0.551	0.455
B2F	1319	367	2.778	0.071	0.019	0.476	0.496
	1320	367	2.462	0.041	0.020	0.573	0.536
	1401	366	1.955	0.113	0.018	0.482	0.476
	1402	366	2.745	0.044	0.019	0.555	0.370
	1403	366	3.227	0.074	0.024	0.677	0.456
	1404	366	1.976	0.044	0.023	0.710	0.454
	1405	366	2.409	0.082	0.012	0.443	0.378
	1406	366	1.981	0.060	0.016	0.602	0.444
	1407	366	2.803	0.043	0.016	0.546	0.454
	1408	366	3.388	0.059	0.018	0.664	0.591
	1409	366	1.956	0.072	0.014	0.496	0.523
	1410	366	2.476	0.049	0.017	0.515	0.443
	1411	367	3.837	0.053	0.021	0.624	0.508
	1412	367	4.164	0.102	0.020	0.715	0.691
	1413	367	2.854	0.064	0.018	0.735	0.516
	1414	367	2.638	0.162	0.021	0.466	0.643
	1415	367	1.552	0.045	0.029	0.497	0.463
	1416	367	2.163	0.092	0.019	0.676	0.629

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
B2F	1417	367	2.637	0.051	0.019	0.583	0.524
	1418	367	2.703	0.049	0.015	0.524	0.437
	1419	367	3.149	0.049	0.028	0.563	0.459
	1420	367	1.830	0.049	0.018	0.440	0.537
B5F	1501	366	2.202	0.041	0.018	0.466	0.454
	1502	366	1.862	0.034	0.017	0.400	0.395
	1503	366	2.212	0.101	0.023	0.554	0.588
	1504	366	2.006	0.084	0.018	0.589	0.414
	1505	366	1.772	0.054	0.014	0.428	0.450
	1506	366	2.359	0.057	0.012	0.526	0.392
	1507	366	2.649	0.058	0.014	0.399	0.450
	1508	366	2.294	0.042	0.017	0.398	0.408
	1509	366	2.530	0.045	0.015	0.452	0.328
	1510	366	1.965	0.039	0.015	0.467	0.366
	1511	367	2.000	0.062	0.015	0.512	0.434
	1512	367	1.970	0.052	0.014	0.533	0.452
	1513	367	2.526	0.045	0.011	0.469	0.468
	1514	367	2.345	0.061	0.015	0.612	0.562
E0.2F	1515	367	1.871	0.041	0.014	0.492	0.470
	1517	367	2.720	0.099	0.014	0.606	0.393
	1518	367	2.732	0.045	0.015	0.556	0.456
	1519	367	3.109	0.080	0.017	0.525	0.403
	1520	367	2.801	0.094	0.019	0.599	0.504
E0.2F	1601	366	1.954	0.068	0.018	0.486	0.430
	1602	366	1.844	0.072	0.020	0.616	0.424
	1603	366	2.488	0.052	0.013	0.552	0.424
	1604	366	3.083	0.091	0.022	0.597	0.449
	1605	366	2.029	0.055	0.024	0.557	0.588

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
E0.2F	1606	366	2.677	0.091	0.016	0.486	0.459
	1607	366	2.759	0.048	0.023	0.659	0.832
	1608	366	3.288	0.053	0.019	0.558	0.453
	1609	366	2.128	0.064	0.023	0.496	0.722
	1610	366	2.677	0.102	0.012	0.613	0.427
	1611	367	2.988	0.072	0.023	0.515	0.481
	1612	367	1.914	0.131	0.016	0.476	0.463
	1613	367	2.629	0.058	0.022	0.465	0.494
	1614	367	2.264	0.497	0.014	0.407	0.529
	1615	367	2.686	0.093	0.018	0.571	0.545
	1616	367	2.724	0.046	0.020	0.591	0.554
	1617	367	1.733	0.040	0.021	0.470	0.477
E2F	1618	367	3.203	0.043	0.015	0.452	0.507
	1619	367	2.503	0.052	0.020	0.530	0.632
	1620	367	2.594	0.045	0.018	0.520	0.476
	1701	366	2.280	0.043	0.027	0.694	0.661
	1702	366	3.283	0.052	0.018	0.623	0.509
	1703	366	2.952	0.050	0.018	0.553	0.470
	1704	366	1.891	0.071	0.014	0.501	0.361
	1705	366	2.000	0.054	0.016	0.522	0.541
	1706	366	2.908	0.056	0.016	0.514	0.473
	1707	366	2.849	0.068	0.017	0.661	0.501
	1708	366	1.533	0.050	0.016	0.523	0.552
	1709	366	2.117	0.246	0.016	0.466	0.462
	1710	366	2.924	0.090	0.014	0.487	0.554
	1711	367	2.097	0.064	0.017	0.576	0.562
	1712	367	3.124	0.076	0.016	0.531	0.481
	1713	367	2.547	0.087	0.020	0.694	0.500

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal							
Group	ID	Day	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
E2F	1714	367	2.044	0.048	0.019	0.613	0.577
	1715	367	2.759	0.090	0.017	0.559	0.511
	1716	367	2.913	0.060	0.018	0.469	0.409
	1717	367	2.009	0.142	0.017	0.537	0.495
	1718	367	2.515	0.057	0.012	0.482	0.419
	1719	367	2.363	0.103	0.020	0.586	0.653
	1720	367	2.573	0.095	0.022	0.589	0.566
E5F	1801	366	2.167	0.070	0.021	0.584	0.577
	1803	366	1.738	0.168	0.018	0.527	0.534
	1804	366	2.600	0.045	0.013	0.467	0.385
	1805	366	2.563	0.108	0.014	0.513	0.512
	1806	366	2.599	0.058	0.022	0.501	0.405
	1807	366	1.500	0.046	0.020	0.540	0.436
	1808	366	2.107	0.052	0.026	0.458	0.276
	1810	366	2.231	0.046	0.016	0.482	0.450
	1811	367	2.945	0.039	0.028	0.601	0.547
	1812	367	2.910	0.121	0.016	0.569	0.456
	1813	367	1.686	0.038	0.020	0.605	0.472
	1814	367	2.216	0.064	0.014	0.528	0.384
	1815	367	3.174	0.133	0.017	0.568	0.470
	1816	367	2.436	0.051	0.013	0.527	0.462
	1817	367	2.291	0.049	0.015	0.441	0.453
	1818	367	2.764	0.050	0.018	0.522	0.375
	1819	367	3.412	0.052	0.020	0.500	0.442
	1820	367	1.969	0.053	0.020	0.559	0.418

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal					
Group	ID	Day	Thymus	Thyroid Glands	Uterus
CF	1101	366	0.168	0.034	0.926
	1102	366	0.198	0.034	0.997
	1103	366	0.268	0.034	1.055
	1104	366	0.224	0.030	0.763
	1105	366	0.138	0.029	1.090
	1106	366	0.183	0.023	0.882
	1107	366	0.286	0.033	0.761
	1108	366	0.178	0.039	0.810
	1109	366	0.155	0.032	0.564
	1110	366	0.152	0.037	1.120
	1111	367	0.163	0.034	0.699
	1112	367	0.211	0.026	1.018
	1113	367	0.124	0.021	0.703
	1114	367	0.220	0.029	0.904
	1115	367	0.125	0.027	0.734
	1116	367	0.121	0.034	0.756
	1117	367	0.127	0.030	0.766
	1118	367	0.115	0.040	0.917
	1119	367	0.184	0.033	0.487
	1120	367	0.127	0.020	0.970
B0.2F	1301	366	0.262	0.029	0.464
	1302	366	0.126	0.026	0.917
	1303	366	0.181	0.025	0.849
	1304	366	0.257	0.028	1.038
	1305	366	0.136	0.042	1.050
	1306	366	0.173	0.033	0.670
	1307	366	0.121	0.023	1.795
	1308	366	0.189	0.029	1.411

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal					
Group	ID	Day	Thymus	Thyroid Glands	Uterus
B0.2F	1309	366	0.274	0.040	0.659
	1310	366	0.155	0.027	2.481
	1311	367	0.121	0.034	0.967
	1312	367	0.152	0.029	0.900
	1313	367	0.214	0.031	1.002
	1314	367	0.181	0.042	1.136
	1315	367	0.157	0.026	0.727
	1316	367	0.171	0.030	0.806
	1317	367	0.168	0.025	1.161
	1318	367	0.156	0.034	1.078
B2F	1319	367	0.136	0.030	0.817
	1320	367	0.227	0.035	1.119
	1401	366	0.167	0.027	0.795
	1402	366	0.093	0.027	1.099
	1403	366	0.188	0.031	1.645
	1404	366	0.166	0.032	0.941
	1405	366	0.153	0.020	0.837
	1406	366	0.213	0.034	1.226
	1407	366	0.197	0.038	1.272
	1408	366	0.143	0.034	1.302
	1409	366	0.143	0.029	0.886
	1410	366	0.210	0.026	1.130
	1411	367	0.155	0.029	1.533
	1412	367	0.326	0.031	1.869
	1413	367	0.246	0.025	0.933
	1414	367	0.168	0.022	1.024
	1415	367	0.184	0.031	0.942
	1416	367	0.427	0.031	1.134

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal					
Group	ID	Day	Thymus	Thyroid Glands	Uterus
B2F	1417	367	0.194	0.040	0.870
	1418	367	0.135	0.028	0.850
	1419	367	0.121	0.037	1.053
	1420	367	0.151	0.014	0.630
B5F	1501	366	0.128	0.029	0.936
	1502	366	0.117	0.022	0.734
	1503	366	0.153	0.029	0.472
	1504	366	0.129	0.028	1.266
	1505	366	0.160	0.020	0.624
	1506	366	0.161	0.025	0.785
	1507	366	0.130	0.030	0.813
	1508	366	0.092	0.026	0.553
	1509	366	0.100	0.029	0.541
	1510	366	0.177	0.016	1.352
	1511	367	0.185	0.018	0.954
	1512	367	0.111	0.024	0.921
	1513	367	0.151	0.027	0.870
	1514	367	0.212	0.019	1.212
	1515	367	0.153	0.021	0.806
E0.2F	1517	367	0.154	0.024	0.586
	1518	367	0.139	0.026	0.901
	1519	367	0.131	0.030	1.255
	1520	367	0.118	0.033	1.430
	1601	366	0.134	0.032	0.680
	1602	366	0.121	0.024	0.900
	1603	366	0.220	0.031	0.811
	1604	366	0.184	0.036	0.792
	1605	366	0.141	0.040	1.394

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal					
Group	ID	Day	Thymus	Thyroid Glands	Uterus
E0.2F	1606	366	0.142	0.031	1.196
	1607	366	0.119	0.044	1.280
	1608	366	0.243	0.031	0.797
	1609	366	0.204	0.037	1.115
	1610	366	0.224	0.031	0.482
	1611	367	0.178	0.025	0.640
	1612	367	0.165	0.018	0.720
	1613	367	0.148	0.031	0.721
	1614	367	0.136	0.032	0.837
	1615	367	0.271	0.031	0.809
	1616	367	0.123	0.027	0.748
	1617	367	0.123	0.023	0.825
E2F	1618	367	0.204	0.022	1.306
	1619	367	0.176	0.035	1.058
	1620	367	0.144	0.028	0.840
	1701	366	0.341	0.038	1.443
	1702	366	0.188	0.021	1.245
	1703	366	0.126	0.026	1.020
	1704	366	0.179	0.023	0.845
	1705	366	0.217	0.027	0.895
	1706	366	0.116	0.040	1.235
	1707	366	0.169	0.027	0.645
	1708	366	0.166	0.031	0.989
	1709	366	0.174	0.034	0.796
	1710	366	0.152	0.034	0.636
E2F	1711	367	0.224	0.089	1.131
	1712	367	0.194	0.022	4.092
	1713	367	0.169	0.028	0.832

Table E-2. Individual Animal Absolute Organ Weights (g) – Females

Animal					
Group	ID	Day	Thymus	Thyroid Glands	Uterus
E2F	1714	367	0.280	0.033	1.324
	1715	367	0.104	0.021	0.937
	1716	367	0.245	0.027	1.100
	1717	367	0.241	0.026	1.029
	1718	367	0.107	0.018	1.519
	1719	367	0.180	0.030	0.818
	1720	367	0.132	0.016	0.969
E5F	1801	366	0.131	0.025	1.215
	1803	366	0.117	0.037	9.453
	1804	366	0.133	0.027	0.625
	1805	366	0.182	0.029	0.485
	1806	366	0.191	0.031	0.456
	1807	366	0.174	0.032	0.667
	1808	366	0.082	0.031	0.746
	1810	366	0.201	0.026	0.815
	1811	367	0.179	0.029	1.544
	1812	367	0.171	0.020	1.129
	1813	367	0.144	0.026	2.788
	1814	367	0.157	0.026	1.784
	1815	367	0.113	0.033	0.707
	1816	367	0.070	0.020	0.426
	1817	367	0.088	0.025	0.620
	1818	367	0.144	0.026	0.847
	1819	367	0.122	0.027	0.772
	1820	367	0.135	0.036	0.744

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
CM	101	365	415.1	0.009	0.509	0.2982	0.243	0.460
	102	365	439.5	0.011	0.477	0.2791	0.228	0.429
	103	365	387.0	0.011	0.532	0.3104	0.246	0.417
	104	365	505.5	0.012	0.413	0.3583	0.255	0.421
	105	365	612.8	0.007	0.339	0.2223	0.220	0.477
	106	365	468.1	0.011	0.421	0.3415	0.235	0.430
	107	365	506.3	0.008	0.417	0.2529	0.245	0.481
	108	365	496.8	0.007	0.435	0.2698	0.255	0.461
	109	365	462.8	0.010	0.456	0.1592	0.245	0.489
	110	365	485.4	0.010	0.449	0.2875	0.249	0.440
	111	366	531.1	0.011	0.399	0.2431	0.248	0.492
	112	366	472.0	0.010	0.465	0.3733	0.254	0.446
	113	366	519.7	0.012	0.399	0.2605	0.246	0.472
	114	366	479.6	0.008	0.459	0.2783	0.264	0.499
	115	366	488.4	0.012	0.440	0.2777	0.234	0.485
	116	366	451.2	0.009	0.464	0.2863	0.243	0.478
	117	366	521.9	0.011	0.417	0.3962	0.207	0.442
	118	366	459.1	0.011	0.481	0.3347	0.263	0.459
	119	366	506.4	0.011	0.413	0.3024	0.257	0.500
	120	366	452.6	0.008	0.444	0.3478	0.233	0.474
B0.2M	301	365	464.8	0.008	0.426	0.3036	0.245	0.459
	302	365	474.6	0.009	0.451	0.2338	0.216	0.458
	303	365	450.6	0.011	0.474	0.2819	0.245	0.433
	304	365	617.9	0.011	0.338	0.1877	0.218	0.372
	305	365	394.7	0.011	0.507	0.3269	0.232	0.444
	306	365	547.3	0.009	0.412	0.2700	0.253	0.507
	307	365	380.5	0.011	0.537	0.3172	0.278	0.522

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
B0.2M	308	365	512.1	0.010	0.454	0.2630	0.224	0.454
	309	365	457.6	0.011	0.476	0.3369	0.253	0.436
	310	365	462.0	0.011	0.475	0.3158	0.248	0.539
	311	366	421.1	0.010	0.471	0.2997	0.299	0.545
	312	366	522.3	0.010	0.422	0.2965	0.261	0.494
	313	366	455.8	0.010	0.472	0.3111	0.247	0.440
	314	366	433.9	0.013	0.450	0.2485	0.233	0.496
	315	366	507.0	0.009	0.421	0.2525	0.212	0.483
	316	366	504.7	0.010	0.406	0.3263	0.238	0.418
	317	366	419.6	0.012	0.502	0.3240	0.285	0.553
	318	366	430.8	0.013	0.472	0.3137	0.281	0.472
	319	366	520.3	0.011	0.402	0.2588	0.222	0.491
	320	366	464.4	0.013	0.430	0.3123	0.273	0.449
B2M	401	365	503.3	0.010	0.451	0.2796	0.259	0.404
	402	365	458.4	0.012	0.500	0.3165	0.276	0.525
	403	365	425.1	0.008	0.518	0.2728	0.247	0.514
	404	365	469.5	0.010	0.441	0.2846	0.242	0.444
	405	365	415.9	0.011	0.538	0.3103	0.236	0.494
	406	365	435.0	0.010	0.489	0.3110	0.265	0.442
	407	365	459.6	0.012	0.464	0.2883	0.240	0.478
	408	365	506.6	0.012	0.456	0.2610	0.230	0.443
	409	365	587.0	0.010	0.336	0.2081	0.237	0.496
	410	365	443.1	0.010	0.500	0.2992	0.271	0.493
	411	366	513.3	0.010	0.453	0.2487	0.277	0.470
	412	366	417.1	0.014	0.502	0.3260	0.270	0.477
	413	366	452.7	0.011	0.466	0.3265	0.260	0.518
	414	366	415.5	0.013	0.528	0.3311	0.254	0.533

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
B2M	415	366	487.8	0.010	0.459	0.2526	0.262	0.446
	416	366	452.3	0.011	0.466	0.3206	0.281	0.480
	417	366	444.6	0.011	0.496	0.2916	0.272	0.498
	418	366	463.9	0.012	0.480	0.2835	0.282	0.538
	419	366	431.5	0.010	0.487	0.3133	0.259	0.490
	420	366	545.5	0.010	0.363	0.2161	0.245	0.405
B5M	501	365	440.3	0.014	0.509	0.2563	0.265	0.512
	502	365	488.8	0.008	0.441	0.3428	0.234	0.539
	503	365	364.0	0.012	0.549	0.3563	0.270	0.559
	505	365	403.5	0.013	0.528	0.3297	0.271	0.543
	506	365	498.5	0.011	0.446	0.2571	0.257	0.446
	507	365	412.3	0.012	0.533	0.2959	0.269	0.534
	508	365	469.6	0.011	0.465	0.2894	0.243	0.524
	509	365	470.1	0.013	0.470	0.2843	0.260	0.481
	510	365	500.4	0.010	0.436	0.2953	0.251	0.509
	511	366	454.8	0.012	0.466	0.2994	0.295	0.555
	512	366	433.0	0.010	0.518	0.3234	0.298	0.512
	513	366	373.0	0.013	0.573	0.3392	0.332	0.493
	514	366	482.6	0.011	0.445	0.2557	0.226	0.500
	515	366	425.4	0.010	0.502	0.3442	0.238	0.508
	516	366	400.8	0.012	0.455	0.3506	0.288	0.610
	517	366	323.2	0.014	0.595	0.3665	0.295	0.502
	518	366	414.0	0.011	0.498	0.3358	0.302	0.524
	519	366	513.2	0.010	0.428	0.2904	0.252	0.465
	520	366	401.6	0.011	0.510	0.3468	0.264	0.456
E0.2M	601	365	432.7	0.010	0.478	0.3398	0.212	0.445
	602	365	482.6	0.011	0.441	0.2250	0.213	0.463

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
E0.2M	603	365	511.0	0.009	0.450	0.1700	0.226	0.461
	604	365	488.4	0.014	0.446	0.3124	0.313	0.620
	605	365	460.3	0.010	0.451	0.2744	0.297	0.562
	606	365	467.3	0.009	0.442	0.3253	0.233	0.540
	607	365	367.3	0.013	0.566	0.4228	0.241	0.467
	608	365	458.6	0.010	0.447	0.2873	0.237	0.438
	609	365	607.3	0.011	0.357	0.2694	0.234	0.461
	610	365	492.9	0.010	0.443	0.2926	0.293	0.536
	611	366	590.8	0.008	0.375	0.2211	0.220	0.413
	612	366	512.5	0.009	0.433	0.2541	0.228	0.405
	613	366	501.8	0.010	0.448	0.3098	0.268	0.574
	614	366	509.9	0.009	0.405	0.2662	0.266	0.484
	615	366	415.3	0.010	0.476	0.3046	0.242	0.465
	616	366	394.9	0.011	0.474	0.3074	0.287	0.531
E2M	617	366	390.1	0.015	0.503	0.3405	0.246	0.503
	618	366	481.4	0.009	0.418	0.3075	0.248	0.421
	619	366	435.7	0.010	0.471	0.2932	0.263	0.521
	620	366	502.0	0.010	0.434	0.2871	0.246	0.514
	701	365	465.1	0.010	0.451	0.3179	0.247	0.514
	702	365	503.1	0.010	0.401	0.2601	0.255	0.447
	703	365	465.4	0.010	0.444	0.3067	0.262	0.497
	704	365	581.3	0.008	0.355	0.2290	0.211	0.437
	705	365	380.7	0.011	0.544	0.3617	0.268	0.472
E2M	706	365	436.1	0.011	0.471	0.3112	0.264	0.522
	707	365	512.0	0.009	0.398	0.2649	0.260	0.524
	708	365	452.8	0.013	0.477	0.3135	0.236	0.522
	709	365	389.0	0.013	0.576	0.3372	0.259	0.488

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
E2M	710	365	497.5	0.011	0.413	0.3147	0.267	0.526
	711	366	436.8	0.011	0.485	0.3167	0.263	0.571
	712	366	425.9	0.012	0.530	0.3182	0.271	0.536
	713	366	447.2	0.014	0.462	0.3014	0.268	0.489
	714	366	460.2	0.009	0.450	0.3379	0.228	0.453
	715	366	521.9	0.010	0.416	0.2666	0.254	0.505
	716	366	434.8	0.016	0.497	0.3006	0.276	0.575
	717	366	439.6	0.012	0.488	0.3161	0.248	0.512
	718	366	396.8	0.011	0.481	0.3914	0.282	0.479
	719	366	409.6	0.012	0.473	0.3373	0.270	0.535
E5M	720	366	404.1	0.011	0.505	0.3989	0.260	0.522
	801	365	419.2	0.007	0.514	0.3312	0.270	0.536
	802	365	378.1	0.013	0.532	0.4013	0.252	0.568
	803	365	465.6	0.010	0.470	0.3055	0.290	0.564
	804	365	544.9	0.006	0.411	0.1280	0.237	0.476
	805	365	441.7	0.009	0.518	0.2794	0.250	0.520
	806	365	378.8	0.013	0.538	0.3023	0.248	0.499
	807	365	385.1	0.012	0.526	0.3293	0.271	0.516
	808	365	506.4	0.008	0.445	0.2777	0.231	0.442
	809	365	377.1	0.010	0.523	0.3526	0.275	0.518
	810	365	402.8	0.014	0.500	0.2025	0.266	0.493
	811	366	478.8	0.011	0.429	0.2995	0.270	0.551
	812	366	457.9	0.011	0.462	0.2952	0.270	0.521
	813	366	444.4	0.009	0.487	0.2859	0.254	0.557
	814	366	456.4	0.011	0.474	0.3161	0.253	0.523
	815	366	557.6	0.009	0.394	0.2795	0.242	0.472
	816	366	486.9	0.007	0.417	0.2687	0.259	0.492

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
	817	366	443.1	0.010	0.515	0.3636	0.268	0.553
	818	366	457.6	0.012	0.462	0.2481	0.267	0.470
	819	366	404.4	0.013	0.498	0.3023	0.244	0.492
	820	366	443.2	0.010	0.457	0.3477	0.285	0.541

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal		Pituitary Gland	Prostate	Salivary Gland
	ID	Day	Body Weight	Liver			
CM	101	365	415.1	1.870	0.766	0.002	0.282
	102	365	439.5	1.792	0.892	0.002	0.233
	103	365	387.0	2.087	0.540	0.002	0.318
	104	365	505.5	1.937	0.820	0.002	0.299
	105	365	612.8	1.950	0.619	0.001	0.202
	106	365	468.1	1.914	0.741	0.003	0.239
	107	365	506.3	2.285	0.639	0.002	0.240
	108	365	496.8	1.878	0.521	0.003	0.234
	109	365	462.8	2.201	0.600	0.003	0.178
	110	365	485.4	2.097	0.766	0.002	0.309
	111	366	531.1	2.290	0.626	0.002	0.249
	112	366	472.0	1.939	0.823	0.002	0.283
	113	366	519.7	2.025	0.600	0.003	0.233
	114	366	479.6	2.052	0.717	0.003	0.240
	115	366	488.4	1.901	0.645	0.003	0.268
	116	366	451.2	1.857	0.512	0.003	0.174
	117	366	521.9	1.968	0.799	0.002	0.205
	118	366	459.1	2.046	0.677	0.003	0.339
	119	366	506.4	2.065	0.791	0.001	0.212
	120	366	452.6	2.072	0.797	0.003	0.276
B0.2M	301	365	464.8	1.895	0.741	0.003	0.220
	302	365	474.6	2.046	0.407	0.002	0.258
	303	365	450.6	2.093	0.853	0.003	0.274
	304	365	617.9	1.810	0.526	0.002	0.231
	305	365	394.7	1.829	0.538	0.004	0.344
	306	365	547.3	2.211	0.634	0.003	0.426
	307	365	380.5	2.071	0.816	0.003	0.349

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal		Pituitary Gland	Prostate	Salivary Gland
	ID	Day	Body Weight	Liver			
B0.2M	308	365	512.1	2.233	0.533	0.003	0.284
	309	365	457.6	2.070	0.544	0.003	0.250
	310	365	462.0	2.123	0.791	0.003	0.395
	311	366	421.1	2.059	1.047	0.003	0.259
	312	366	522.3	2.064	0.840	0.003	0.172
	313	366	455.8	2.107	0.500	0.002	0.479
	314	366	433.9	1.964	0.731	0.003	0.158
	315	366	507.0	1.937	0.600	0.003	0.214
	316	366	504.7	2.080	0.668	0.003	0.303
	317	366	419.6	2.346	0.829	0.003	0.277
	318	366	430.8	2.104	0.973	0.004	0.340
	319	366	520.3	1.972	0.553	0.002	0.333
	320	366	464.4	1.948	0.659	0.002	0.263
B2M	401	365	503.3	1.930	0.514	0.002	0.200
	402	365	458.4	2.003	0.827	0.004	0.233
	403	365	425.1	2.127	0.763	0.002	0.327
	404	365	469.5	2.068	0.818	0.003	0.195
	405	365	415.9	1.966	0.484	0.003	0.409
	406	365	435.0	2.011	0.688	0.003	0.291
	407	365	459.6	2.181	0.575	0.002	0.262
	408	365	506.6	1.976	0.908	0.002	0.449
	409	365	587.0	2.416	0.593	0.002	0.210
	410	365	443.1	1.952	0.703	0.002	0.490
	411	366	513.3	1.988	0.673	0.004	0.354
	412	366	417.1	2.156	0.670	0.003	0.332
	413	366	452.7	2.135	0.500	0.003	0.304
	414	366	415.5	2.128	0.760	0.003	0.368

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal		Pituitary Gland	Prostate	Salivary Gland
	ID	Day	Body Weight	Liver			
B2M	415	366	487.8	1.982	0.666	0.003	0.149
	416	366	452.3	2.131	0.738	0.002	0.317
	417	366	444.6	2.047	0.599	0.002	0.244
	418	366	463.9	2.235	0.604	0.002	0.463
	419	366	431.5	1.973	0.799	0.003	0.254
	420	366	545.5	1.995	0.618	0.002	0.238
B5M	501	365	440.3	2.125	1.079	0.003	0.304
	502	365	488.8	2.146	0.938	0.003	0.268
	503	365	364.0	1.999	0.895	0.003	0.346
	505	365	403.5	2.176	1.005	0.003	0.202
	506	365	498.5	2.108	0.649	0.002	0.255
	507	365	412.3	2.061	0.992	0.003	0.426
	508	365	469.6	2.213	0.618	0.003	0.285
	509	365	470.1	1.986	0.736	0.003	0.404
	510	365	500.4	1.970	0.589	0.002	0.254
	511	366	454.8	2.378	0.884	0.003	0.269
	512	366	433.0	2.217	0.837	0.003	0.295
	513	366	373.0	2.128	1.040	0.003	0.526
	514	366	482.6	1.876	0.657	0.003	0.197
	515	366	425.4	2.181	0.737	0.002	0.250
	516	366	400.8	2.269	0.614	0.002	0.328
	517	366	323.2	2.251	0.625	0.002	0.440
	518	366	414.0	2.287	0.604	0.003	0.493
	519	366	513.2	2.188	0.808	0.003	0.216
	520	366	401.6	2.072	0.724	0.002	0.263
E0.2M	601	365	432.7	2.085	0.787	0.003	0.270
	602	365	482.6	2.146	0.629	0.002	0.378

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal		Pituitary Gland	Prostate	Salivary Gland
	ID	Day	Body Weight	Liver			
E0.2M	603	365	511.0	2.112	0.632	0.004	0.198
	604	365	488.4	3.252	0.938	0.003	0.214
	605	365	460.3	2.425	1.151	0.003	0.211
	606	365	467.3	2.070	0.535	0.002	0.390
	607	365	367.3	1.951	0.889	0.003	0.286
	608	365	458.6	1.810	0.654	0.002	0.380
	609	365	607.3	2.340	0.485	0.003	0.265
	610	365	492.9	2.522	1.005	0.002	0.290
	611	366	590.8	1.955	0.439	0.003	0.220
	612	366	512.5	1.951	0.809	0.003	0.337
	613	366	501.8	1.990	0.419	0.003	0.287
	614	366	509.9	2.190	0.672	0.002	0.271
	615	366	415.3	1.921	0.675	0.002	0.374
	616	366	394.9	2.175	0.854	0.003	0.247
E2M	617	366	390.1	2.262	0.625	0.002	0.356
	618	366	481.4	1.905	0.455	0.003	0.206
	619	366	435.7	2.304	0.524	0.004	0.343
	620	366	502.0	2.211	0.634	0.003	0.304
	701	365	465.1	2.252	0.740	0.003	0.252
	702	365	503.1	2.072	0.843	0.002	0.215
	703	365	465.4	2.191	0.738	0.002	0.274
	704	365	581.3	2.037	0.660	0.003	0.211
	705	365	380.7	2.105	0.845	0.002	0.478
	706	365	436.1	1.984	0.800	0.003	0.353

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal		Pituitary Gland	Prostate	Salivary Gland
	ID	Day	Body Weight	Liver			
E2M	710	365	497.5	2.077	0.860	0.002	0.284
	711	366	436.8	2.589	0.623	0.003	0.326
	712	366	425.9	2.078	0.818	0.002	0.193
	713	366	447.2	1.929	0.861	0.003	0.289
	714	366	460.2	2.011	0.748	0.003	0.269
	715	366	521.9	2.090	0.856	0.002	0.243
	716	366	434.8	2.135	0.753	0.003	0.240
	717	366	439.6	2.221	0.600	0.002	0.263
	718	366	396.8	2.068	0.747	0.003	0.258
	719	366	409.6	1.947	0.781	0.003	0.236
E5M	720	366	404.1	2.172	1.005	0.003	0.251
	801	365	419.2	2.174	0.777	0.003	0.290
	802	365	378.1	2.319	0.779	0.002	0.569
	803	365	465.6	2.104	0.787	0.003	0.333
	804	365	544.9	1.952	0.596	0.003	0.148
	805	365	441.7	2.210	0.781	0.003	0.278
	806	365	378.8	2.181	0.751	0.003	0.303
	807	365	385.1	2.172	1.071	0.004	0.193
	808	365	506.4	2.034	0.594	0.003	0.210
	809	365	377.1	2.175	0.922	0.003	0.333
	810	365	402.8	2.156	0.989	0.003	0.358
	811	366	478.8	2.330	0.560	0.002	0.222
	812	366	457.9	2.068	0.601	0.003	0.206
	813	366	444.4	2.044	0.881	0.004	0.408
	814	366	456.4	2.277	0.825	0.003	0.323
	815	366	557.6	1.968	0.591	0.002	0.195
	816	366	486.9	1.962	0.608	0.002	0.236

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Terminal			Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
	Animal ID	Day	Body Weight					
E5M	817	366	443.1	2.390	0.997	0.003	0.318	0.169
	818	366	457.6	2.196	0.738	0.002	0.216	0.160
	819	366	404.4	2.061	0.754	0.003	0.363	0.159
	820	366	443.2	2.069	0.658	0.003	0.340	0.179

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
CM	101	365	415.1	0.260	0.178	0.988	0.066	0.007
	102	365	439.5	0.328	0.157	0.775	0.034	0.009
	103	365	387.0	0.343	0.214	1.001	0.019	0.008
	104	365	505.5	0.296	0.191	0.806	0.021	0.007
	105	365	612.8	0.184	0.136	0.665	0.057	0.006
	106	365	468.1	0.276	0.108	0.722	0.026	0.010
	107	365	506.3	0.227	0.193	0.829	0.043	0.007
	108	365	496.8	0.207	0.138	0.810	0.014	0.010
	109	365	462.8	0.240	0.174	0.249	0.048	0.008
	110	365	485.4	0.342	0.122	0.842	0.026	0.008
	111	366	531.1	0.240	0.145	0.864	0.019	0.007
	112	366	472.0	0.323	0.150	0.758	0.028	0.010
	113	366	519.7	0.303	0.132	0.835	0.033	0.006
	114	366	479.6	0.250	0.132	0.758	0.041	0.010
	115	366	488.4	0.349	0.166	0.883	0.035	0.007
	116	366	451.2	0.196	0.178	0.843	0.038	0.007
	117	366	521.9	0.241	0.162	0.754	0.022	0.008
	118	366	459.1	0.321	0.177	1.033	0.044	0.008
	119	366	506.4	0.283	0.142	0.777	0.022	0.007
	120	366	452.6	0.306	0.162	0.850	0.022	0.009
B0.2M	301	365	464.8	0.310	0.139	0.845	0.040	0.007
	302	365	474.6	0.252	0.166	0.823	0.034	0.008
	303	365	450.6	0.303	0.136	0.807	0.046	0.007
	304	365	617.9	0.155	0.144	0.787	0.041	0.007
	305	365	394.7	0.306	0.144	1.031	0.068	0.008
	306	365	547.3	0.270	0.181	0.858	0.035	0.007
	307	365	380.5	0.428	0.156	1.061	0.031	0.008

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
B0.2M	308	365	512.1	0.204	0.187	0.785	0.038	0.007
	309	365	457.6	0.346	0.167	0.891	0.009	0.013
	310	365	462.0	0.313	0.187	0.830	0.050	0.009
	311	366	421.1	0.273	0.153	0.943	0.043	0.007
	312	366	522.3	0.244	0.135	0.857	0.028	0.007
	313	366	455.8	0.363	0.158	0.893	0.034	0.009
	314	366	433.9	0.205	0.113	0.856	0.046	0.008
	315	366	507.0	0.247	0.136	0.790	0.064	0.006
	316	366	504.7	0.266	0.188	0.858	0.042	0.009
	317	366	419.6	0.420	0.203	0.983	0.023	0.006
	318	366	430.8	0.369	0.148	1.024	0.050	0.006
	319	366	520.3	0.331	0.139	0.863	0.026	0.008
	320	366	464.4	0.334	0.135	0.828	0.018	0.009
B2M	401	365	503.3	0.294	0.135	0.817	0.047	0.008
	402	365	458.4	0.345	0.171	0.933	0.031	0.007
	403	365	425.1	0.333	0.138	1.044	0.030	0.010
	404	365	469.5	0.243	0.162	0.766	0.022	0.010
	405	365	415.9	0.420	0.159	0.788	0.017	0.007
	406	365	435.0	0.361	0.201	0.923	0.041	0.005
	407	365	459.6	0.356	0.143	0.712	0.042	0.007
	408	365	506.6	0.273	0.126	0.789	0.028	0.006
	409	365	587.0	0.224	0.125	0.695	0.011	0.007
	410	365	443.1	0.355	0.202	0.841	0.054	0.010
	411	366	513.3	0.302	0.153	0.839	0.045	0.014
	412	366	417.1	0.444	0.181	0.900	0.027	0.008
	413	366	452.7	0.434	0.151	1.112	0.026	0.007
	414	366	415.5	0.310	0.140	1.034	0.017	0.009

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
B2M	415	366	487.8	0.197	0.156	0.775	0.031	0.007
	416	366	452.3	0.428	0.140	0.920	0.024	0.007
	417	366	444.6	0.279	0.143	0.948	0.027	0.008
	418	366	463.9	0.347	0.183	0.830	0.046	0.009
	419	366	431.5	0.347	0.170	0.902	0.064	0.007
	420	366	545.5	0.241	0.121	0.832	0.064	0.007
B5M	501	365	440.3	0.414	0.161	0.630	0.052	0.006
	502	365	488.8	0.260	0.146	0.817	0.024	0.007
	503	365	364.0	0.392	0.157	1.000	0.039	0.009
	505	365	403.5	0.266	0.142	0.881	0.042	0.008
	506	365	498.5	0.326	0.160	0.778	0.027	0.007
	507	365	412.3	0.354	0.150	0.961	0.053	0.009
	508	365	469.6	0.353	0.160	0.918	0.039	0.007
	509	365	470.1	0.289	0.123	0.882	0.037	0.007
	510	365	500.4	0.310	0.192	0.912	0.017	0.005
	511	366	454.8	0.248	0.174	1.014	0.063	0.006
	512	366	433.0	0.332	0.149	1.014	0.022	0.010
	513	366	373.0	0.370	0.192	1.003	0.037	0.008
	514	366	482.6	0.276	0.140	0.869	0.030	0.008
	515	366	425.4	0.311	0.152	0.987	0.024	0.006
	516	366	400.8	0.283	0.154	0.970	0.038	0.006
	517	366	323.2	0.397	0.187	1.148	0.029	0.008
	518	366	414.0	0.375	0.167	0.955	0.020	0.008
	519	366	513.2	0.324	0.136	0.857	0.059	0.008
	520	366	401.6	0.270	0.174	0.889	0.034	0.004
E0.2M	601	365	432.7	0.328	0.149	0.866	0.020	0.007
	602	365	482.6	0.274	0.123	0.813	0.056	0.010

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
E0.2M	603	365	511.0	0.281	0.190	0.209	0.031	0.009
	604	365	488.4	0.282	0.171	0.891	0.070	0.007
	605	365	460.3	0.241	0.211	0.930	0.034	0.008
	606	365	467.3	0.293	0.154	0.804	0.044	0.008
	607	365	367.3	0.365	0.145	0.972	0.029	0.007
	608	365	458.6	0.290	0.139	0.839	0.036	0.008
	609	365	607.3	0.251	0.189	0.829	0.031	0.008
	610	365	492.9	0.359	0.143	0.835	0.046	0.007
	611	366	590.8	0.213	0.141	0.663	0.027	0.007
	612	366	512.5	0.243	0.146	0.932	0.047	0.009
	613	366	501.8	0.320	0.155	1.074	0.020	0.007
	614	366	509.9	0.341	0.124	0.782	0.025	0.010
	615	366	415.3	0.319	0.142	0.889	0.064	0.010
	616	366	394.9	0.291	0.162	0.968	0.069	0.009
	617	366	390.1	0.347	0.175	1.036	0.034	0.007
E2M	618	366	481.4	0.238	0.194	0.885	0.049	0.010
	619	366	435.7	0.278	0.148	0.930	0.027	0.008
	620	366	502.0	0.340	0.157	0.851	0.021	0.011
	701	365	465.1	0.317	0.154	0.873	0.024	0.008
	702	365	503.1	0.279	0.138	0.840	0.039	0.007
	703	365	465.4	0.332	0.136	0.875	0.033	0.006
	704	365	581.3	0.253	0.157	0.699	0.037	0.006
	705	365	380.7	0.444	0.160	1.018	0.021	0.008
	706	365	436.1	0.421	0.168	0.887	0.024	0.010
	707	365	512.0	0.234	0.155	0.779	0.034	0.007
	708	365	452.8	0.311	0.166	0.952	0.062	0.008
	709	365	389.0	0.372	0.174	0.969	0.040	0.009

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
E2M	710	365	497.5	0.259	0.153	0.845	0.048	0.007
	711	366	436.8	0.312	0.140	0.875	0.032	0.008
	712	366	425.9	0.335	0.190	0.951	0.066	0.005
	713	366	447.2	0.294	0.138	1.041	0.043	0.008
	714	366	460.2	0.256	0.173	0.934	0.028	0.008
	715	366	521.9	0.240	0.160	0.761	0.039	0.008
	716	366	434.8	0.228	0.167	1.307	0.041	0.008
	717	366	439.6	0.322	0.169	0.905	0.066	0.007
	718	366	396.8	0.276	0.176	0.912	0.022	0.007
	719	366	409.6	0.300	0.142	0.948	0.039	0.009
E5M	720	366	404.1	0.317	0.144	0.997	0.047	0.007
	801	365	419.2	0.333	0.180	0.919	0.033	0.007
	802	365	378.1	0.440	0.172	1.172	0.039	0.008
	803	365	465.6	0.281	0.149	1.066	0.038	0.006
	804	365	544.9	0.251	0.135	0.182	0.032	0.007
	805	365	441.7	0.261	0.132	0.883	0.041	0.008
	806	365	378.8	0.369	0.190	0.914	0.049	0.008
	807	365	385.1	0.268	0.173	1.011	0.041	0.010
	808	365	506.4	0.218	0.143	0.986	0.046	0.006
	809	365	377.1	0.334	0.168	1.040	0.062	0.007
	810	365	402.8	0.327	0.156	0.482	0.043	0.007
	811	366	478.8	0.291	0.121	0.915	0.025	0.009
	812	366	457.9	0.326	0.171	0.955	0.075	0.008
	813	366	444.4	0.322	0.135	0.818	0.041	0.008
	814	366	456.4	0.308	0.184	0.915	0.027	0.007
	815	366	557.6	0.247	0.144	0.694	0.027	0.007
	816	366	486.9	0.339	0.142	0.836	0.058	0.006

Table E-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal		Terminal					
	ID	Day	Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
E5M	817	366	443.1	0.360	0.152	0.930	0.039	0.012
	818	366	457.6	0.285	0.170	0.802	0.054	0.010
	819	366	404.4	0.334	0.131	0.958	0.047	0.007
	820	366	443.2	0.399	0.161	1.112	0.040	0.007

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal		Heart	Kidneys	Liver
			Body Weight	Adrenal Glands			
CF	1101	366	240.7	0.032	0.833	0.311	0.626
	1102	366	286.5	0.022	0.753	0.320	0.548
	1103	366	264.5	0.027	0.698	0.311	0.662
	1104	366	261.6	0.014	0.747	0.310	0.560
	1105	366	270.3	0.026	0.750	0.294	0.606
	1106	366	247.5	0.025	0.813	0.322	0.625
	1107	366	274.0	0.019	0.707	0.325	0.561
	1108	366	252.2	0.024	0.768	0.335	0.667
	1109	366	221.2	0.023	0.865	0.377	0.621
	1110	366	280.0	0.022	0.711	0.331	0.551
	1111	367	293.4	0.016	0.722	0.305	0.582
	1112	367	281.7	0.022	0.665	0.346	0.584
	1113	367	237.1	0.021	0.824	0.342	0.534
	1114	367	286.6	0.019	0.693	0.315	0.586
	1115	367	269.0	0.019	0.782	0.371	0.686
	1116	367	212.8	0.021	0.874	0.352	0.640
	1117	367	289.8	0.013	0.702	0.287	0.481
	1118	367	299.4	0.018	0.606	0.244	0.502
	1119	367	336.6	0.017	0.539	0.289	0.495
	1120	367	220.6	0.025	0.799	0.369	0.544
B0.2F	1301	366	264.6	0.023	0.698	0.312	0.658
	1302	366	233.5	0.028	0.837	0.327	0.656
	1303	366	237.9	0.023	0.797	0.324	0.646
	1304	366	302.6	0.019	0.621	0.262	0.478
	1305	366	225.3	0.027	0.823	0.322	0.618
	1306	366	259.0	0.015	0.754	0.293	0.577
	1307	366	222.7	0.029	0.866	0.308	0.644

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal		Heart	Kidneys	Liver
			Body Weight	Adrenal Glands			
B0.2F	1308	366	245.8	0.027	0.775	0.336	0.611
	1309	366	272.1	0.024	0.715	0.366	0.588
	1310	366	254.5	0.024	0.741	0.337	0.554
	1311	367	254.7	0.022	0.799	0.388	0.680
	1312	367	224.6	0.023	0.953	0.338	0.640
	1313	367	244.1	0.017	0.802	0.352	0.642
	1314	367	272.2	0.019	0.753	0.332	0.636
	1315	367	230.8	0.019	0.878	0.355	0.611
	1316	367	255.6	0.019	0.711	0.346	0.575
	1317	367	201.0	0.021	0.901	0.357	0.666
	1318	367	214.7	0.033	0.861	0.430	0.742
	1319	367	281.8	0.018	0.691	0.331	0.564
	1320	367	283.7	0.018	0.730	0.298	0.625
B2F	1401	366	246.6	0.024	0.781	0.301	0.592
	1402	366	229.4	0.025	0.848	0.330	0.644
	1403	366	245.0	0.027	0.807	0.378	0.668
	1404	366	246.0	0.024	0.768	0.350	0.602
	1405	366	211.1	0.020	0.875	0.308	0.615
	1406	366	235.6	0.023	0.794	0.339	0.646
	1407	366	258.2	0.025	0.789	0.302	0.565
	1408	366	240.7	0.037	0.866	0.357	0.643
	1409	366	236.0	0.024	0.834	0.323	0.634
	1410	366	209.3	0.018	0.887	0.390	0.656
	1411	367	233.9	0.029	0.809	0.354	0.691
	1412	367	282.6	0.026	0.760	0.330	0.621
	1413	367	245.2	0.030	0.783	0.358	0.636
	1414	367	241.3	0.024	0.858	0.395	0.703

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal		Terminal					
	ID	Day	Body Weight	Adrenal Glands	Brain	Heart	Kidneys	Liver
B2F	1415	367	244.0	0.022	0.794	0.323	0.635	2.559
	1416	367	266.8	0.021	0.782	0.378	0.552	2.438
	1417	367	294.8	0.022	0.638	0.307	0.626	2.500
	1418	367	211.4	0.020	0.907	0.396	0.655	2.416
	1419	367	239.9	0.024	0.806	0.348	0.658	2.461
	1420	367	213.1	0.025	0.807	0.367	0.599	2.260
B5F	1501	366	188.1	0.020	0.999	0.337	0.631	2.730
	1502	366	187.0	0.028	0.934	0.311	0.586	2.431
	1503	366	275.5	0.017	0.731	0.289	0.536	2.214
	1504	366	251.7	0.020	0.803	0.322	0.546	2.238
	1505	366	205.2	0.022	0.892	0.332	0.625	2.447
	1506	366	201.0	0.026	0.972	0.364	0.625	2.320
	1507	366	211.6	0.024	0.846	0.302	0.660	2.341
	1508	366	188.4	0.028	0.926	0.322	0.621	2.462
	1509	366	205.2	0.018	0.916	0.299	0.642	2.019
	1510	366	198.1	0.020	0.962	0.318	0.603	2.488
	1511	367	197.6	0.021	0.943	0.355	0.646	2.493
	1512	367	205.8	0.025	0.962	0.342	0.633	2.267
	1513	367	212.8	0.024	0.856	0.316	0.654	2.248
	1514	367	248.4	0.021	0.788	0.332	0.606	2.488
	1515	367	203.3	0.023	0.983	0.327	0.612	2.451
	1517	367	216.3	0.030	0.891	0.356	0.634	2.404
	1518	367	220.7	0.031	0.875	0.367	0.723	2.762
	1519	367	221.8	0.025	0.860	0.360	0.582	2.656
	1520	367	230.4	0.026	0.818	0.332	0.721	2.724
E0.2F	1601	366	224.0	0.028	0.845	0.337	0.646	2.401
	1602	366	267.7	0.027	0.732	0.319	0.648	2.644

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal		Heart	Kidneys	Liver
			Body Weight	Adrenal Glands			
E0.2F	1603	366	252.9	0.018	0.780	0.334	0.658
	1604	366	267.6	0.028	0.695	0.339	0.590
	1605	366	280.1	0.027	0.712	0.327	0.642
	1606	366	238.2	0.026	0.802	0.297	0.650
	1607	366	291.1	0.024	0.716	0.324	0.645
	1608	366	268.0	0.018	0.747	0.319	0.682
	1609	366	265.1	0.025	0.716	0.324	0.613
	1610	366	300.3	0.014	0.611	0.307	0.475
	1611	367	241.4	0.025	0.774	0.349	0.604
	1612	367	231.4	0.021	0.820	0.331	0.654
	1613	367	280.0	0.019	0.709	0.300	0.533
	1614	367	251.2	0.020	0.719	0.292	0.610
	1615	367	291.3	0.019	0.656	0.292	0.546
	1616	367	245.9	0.023	0.791	0.361	0.681
E2F	1617	367	283.2	0.013	0.616	0.273	0.582
	1618	367	211.1	0.021	0.848	0.375	0.655
	1619	367	262.4	0.024	0.784	0.347	0.660
	1620	367	286.6	0.022	0.630	0.266	0.520
	1701	366	305.5	0.020	0.678	0.312	0.614
	1702	366	248.1	0.029	0.832	0.342	0.619
	1703	366	223.6	0.020	0.821	0.346	0.578
	1704	366	240.1	0.020	0.802	0.344	0.607
	1705	366	231.8	0.025	0.831	0.299	0.635
	1706	366	216.6	0.039	0.959	0.395	0.721
	1707	366	217.2	0.027	0.900	0.365	0.649
	1708	366	224.3	0.026	0.901	0.320	0.583
	1709	366	251.6	0.026	0.771	0.319	0.546

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal		Heart	Kidneys	Liver
			Body Weight	Adrenal Glands			
E2F	1710	366	225.8	0.021	0.888	0.349	0.658
	1711	367	265.2	0.018	0.748	0.324	0.581
	1712	367	237.5	0.023	0.826	0.359	0.717
	1713	367	248.3	0.025	0.815	0.323	0.656
	1714	367	288.3	0.017	0.718	0.349	0.596
	1715	367	227.9	0.024	0.835	0.341	0.641
	1716	367	240.3	0.028	0.801	0.363	0.656
	1717	367	266.3	0.025	0.716	0.262	0.622
	1718	367	206.4	0.021	0.868	0.346	0.650
	1719	367	283.3	0.019	0.723	0.312	0.617
E5F	1720	367	226.1	0.028	0.822	0.340	0.577
	1801	366	219.4	0.040	0.844	0.357	0.668
	1803	366	240.5	0.023	0.759	0.288	0.649
	1804	366	227.1	0.018	0.912	0.312	0.627
	1805	366	254.2	0.019	0.755	0.322	0.614
	1806	366	201.6	0.022	0.920	0.351	0.616
	1807	366	204.6	0.025	0.896	0.358	0.679
	1808	366	186.2	0.027	0.977	0.339	0.639
	1810	366	217.5	0.027	0.925	0.339	0.575
	1811	367	247.7	0.030	0.817	0.348	0.683
	1812	367	228.8	0.023	0.853	0.301	0.569
	1813	367	223.0	0.024	0.868	0.341	0.635
	1814	367	203.5	0.026	0.934	0.342	0.634
	1815	367	251.8	0.023	0.808	0.333	0.637
	1816	367	216.8	0.023	0.897	0.335	0.505
	1817	367	189.3	0.020	1.005	0.374	0.705
	1818	367	213.2	0.019	0.865	0.368	0.597

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal		Terminal		Adrenal Glands	Brain	Heart	Kidneys	Liver
	ID	Day	Body Weight						
E5F	1819	367	212.9		0.026	0.849	0.337	0.658	2.372
	1820	367	227.4		0.028	0.906	0.393	0.618	2.498

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal		Terminal		Pituitary	Salivary	Spleen	
	ID	Day	Body Weight	Lungs	Ovaries	Gland		
CF	1101	366	240.7	0.920	0.025	0.009	0.247	0.161
	1102	366	286.5	0.782	0.028	0.007	0.212	0.201
	1103	366	264.5	1.000	0.021	0.007	0.188	0.208
	1104	366	261.6	1.011	0.036	0.006	0.188	0.203
	1105	366	270.3	0.741	0.133	0.005	0.188	0.200
	1106	366	247.5	1.128	0.025	0.007	0.271	0.210
	1107	366	274.0	1.047	0.021	0.009	0.189	0.218
	1108	366	252.2	1.476	0.025	0.007	0.201	0.192
	1109	366	221.2	1.313	0.023	0.006	0.222	0.147
	1110	366	280.0	0.966	0.013	0.009	0.176	0.168
	1111	367	293.4	0.789	0.036	0.006	0.176	0.192
	1112	367	281.7	0.969	0.029	0.007	0.199	0.213
	1113	367	237.1	1.104	0.030	0.007	0.208	0.171
	1114	367	286.6	0.614	0.016	0.008	0.185	0.189
	1115	367	269.0	1.263	0.046	0.007	0.218	0.197
	1116	367	212.8	1.326	0.054	0.006	0.236	0.208
	1117	367	289.8	0.810	0.023	0.007	0.186	0.168
	1118	367	299.4	0.850	0.073	0.006	0.159	0.169
	1119	367	336.6	0.909	0.026	0.004	0.150	0.177
	1120	367	220.6	1.220	0.016	0.008	0.200	0.197
B0.2F	1301	366	264.6	0.981	0.031	0.005	0.213	0.212
	1302	366	233.5	1.028	0.034	0.009	0.240	0.201
	1303	366	237.9	0.958	0.021	0.008	0.249	0.223
	1304	366	302.6	0.535	0.033	0.005	0.187	0.192
	1305	366	225.3	0.799	0.024	0.007	0.269	0.206
	1306	366	259.0	0.732	0.048	0.008	0.176	0.162
	1307	366	222.7	0.859	0.030	0.007	0.220	0.203

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal		Pituitary Gland	Salivary Gland	Spleen
			Body Weight	Lungs			
B0.2F	1308	366	245.8	0.814	0.030	0.009	0.187
	1309	366	272.1	0.841	0.032	0.007	0.226
	1310	366	254.5	0.728	0.019	0.009	0.184
	1311	367	254.7	0.977	0.038	0.009	0.258
	1312	367	224.6	0.990	0.019	0.008	0.241
	1313	367	244.1	1.026	0.054	0.007	0.217
	1314	367	272.2	1.034	0.019	0.009	0.190
	1315	367	230.8	0.814	0.038	0.005	0.225
	1316	367	255.6	0.875	0.033	0.008	0.193
	1317	367	201.0	1.200	0.020	0.009	0.222
	1318	367	214.7	1.512	0.030	0.008	0.257
	1319	367	281.8	0.986	0.025	0.007	0.169
	1320	367	283.7	0.868	0.014	0.007	0.202
B2F	1401	366	246.6	0.793	0.046	0.007	0.195
	1402	366	229.4	1.196	0.019	0.008	0.242
	1403	366	245.0	1.317	0.030	0.010	0.276
	1404	366	246.0	0.803	0.018	0.009	0.289
	1405	366	211.1	1.141	0.039	0.006	0.210
	1406	366	235.6	0.841	0.025	0.007	0.255
	1407	366	258.2	1.085	0.017	0.006	0.212
	1408	366	240.7	1.407	0.024	0.007	0.276
	1409	366	236.0	0.829	0.031	0.006	0.210
	1410	366	209.3	1.183	0.024	0.008	0.246
	1411	367	233.9	1.640	0.022	0.009	0.267
	1412	367	282.6	1.474	0.036	0.007	0.253
	1413	367	245.2	1.164	0.026	0.007	0.300
	1414	367	241.3	1.093	0.067	0.009	0.193

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal		Terminal		Pituitary	Salivary	Spleen	
	ID	Day	Body Weight	Lungs	Ovaries	Gland		
B2F	1415	367	244.0	0.636	0.018	0.012	0.204	0.190
	1416	367	266.8	0.811	0.034	0.007	0.253	0.236
	1417	367	294.8	0.894	0.017	0.006	0.198	0.178
	1418	367	211.4	1.279	0.023	0.007	0.248	0.207
	1419	367	239.9	1.313	0.020	0.012	0.235	0.191
	1420	367	213.1	0.859	0.023	0.009	0.206	0.252
B5F	1501	366	188.1	1.170	0.022	0.010	0.248	0.241
	1502	366	187.0	0.996	0.018	0.009	0.214	0.211
	1503	366	275.5	0.803	0.037	0.008	0.201	0.214
	1504	366	251.7	0.797	0.033	0.007	0.234	0.164
	1505	366	205.2	0.864	0.026	0.007	0.209	0.219
	1506	366	201.0	1.174	0.028	0.006	0.262	0.195
	1507	366	211.6	1.252	0.027	0.007	0.189	0.212
	1508	366	188.4	1.217	0.022	0.009	0.211	0.217
	1509	366	205.2	1.233	0.022	0.007	0.220	0.160
	1510	366	198.1	0.992	0.020	0.008	0.236	0.185
	1511	367	197.6	1.012	0.032	0.008	0.259	0.220
	1512	367	205.8	0.957	0.025	0.007	0.259	0.220
	1513	367	212.8	1.187	0.021	0.005	0.220	0.220
	1514	367	248.4	0.944	0.024	0.006	0.246	0.226
	1515	367	203.3	0.920	0.020	0.007	0.242	0.231
	1517	367	216.3	1.257	0.046	0.006	0.280	0.182
	1518	367	220.7	1.238	0.020	0.007	0.252	0.207
	1519	367	221.8	1.402	0.036	0.008	0.237	0.182
	1520	367	230.4	1.216	0.041	0.008	0.260	0.219
E0.2F	1601	366	224.0	0.872	0.030	0.008	0.217	0.192
	1602	366	267.7	0.689	0.027	0.007	0.230	0.158

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal		Pituitary Gland	Salivary Gland	Spleen
			Body Weight	Lungs			
E0.2F	1603	366	252.9	0.984	0.021	0.005	0.218
	1604	366	267.6	1.152	0.034	0.008	0.223
	1605	366	280.1	0.724	0.019	0.009	0.199
	1606	366	238.2	1.124	0.038	0.007	0.204
	1607	366	291.1	0.948	0.016	0.008	0.226
	1608	366	268.0	1.227	0.020	0.007	0.208
	1609	366	265.1	0.803	0.024	0.009	0.187
	1610	366	300.3	0.891	0.034	0.004	0.204
	1611	367	241.4	1.238	0.030	0.010	0.213
	1612	367	231.4	0.827	0.057	0.007	0.206
	1613	367	280.0	0.939	0.021	0.008	0.166
	1614	367	251.2	0.901	0.198	0.005	0.162
	1615	367	291.3	0.922	0.032	0.006	0.196
	1616	367	245.9	1.108	0.019	0.008	0.240
E2F	1617	367	283.2	0.612	0.014	0.007	0.166
	1618	367	211.1	1.517	0.020	0.007	0.214
	1619	367	262.4	0.954	0.020	0.008	0.202
	1620	367	286.6	0.905	0.016	0.006	0.182
	1701	366	305.5	0.746	0.014	0.009	0.227
	1702	366	248.1	1.323	0.021	0.007	0.251
	1703	366	223.6	1.320	0.022	0.008	0.247
	1704	366	240.1	0.788	0.029	0.006	0.209
	1705	366	231.8	0.863	0.023	0.007	0.225
	1706	366	216.6	1.342	0.026	0.008	0.237
	1707	366	217.2	1.312	0.031	0.008	0.304
	1708	366	224.3	0.684	0.022	0.007	0.233
	1709	366	251.6	0.842	0.098	0.006	0.185

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal		Terminal		Pituitary	Salivary	Spleen	
	ID	Day	Body Weight	Lungs	Ovaries	Gland		
E2F	1710	366	225.8	1.295	0.040	0.006	0.216	0.245
	1711	367	265.2	0.791	0.024	0.006	0.217	0.212
	1712	367	237.5	1.315	0.032	0.007	0.224	0.203
	1713	367	248.3	1.026	0.035	0.008	0.279	0.201
	1714	367	288.3	0.709	0.017	0.007	0.212	0.200
	1715	367	227.9	1.211	0.040	0.007	0.245	0.224
	1716	367	240.3	1.212	0.025	0.008	0.195	0.170
	1717	367	266.3	0.754	0.053	0.006	0.202	0.186
	1718	367	206.4	1.219	0.027	0.006	0.233	0.203
	1719	367	283.3	0.834	0.036	0.007	0.207	0.230
E5F	1720	367	226.1	1.138	0.042	0.010	0.260	0.250
	1801	366	219.4	0.988	0.032	0.009	0.266	0.263
	1803	366	240.5	0.723	0.070	0.007	0.219	0.222
	1804	366	227.1	1.145	0.020	0.006	0.206	0.169
	1805	366	254.2	1.008	0.042	0.006	0.202	0.201
	1806	366	201.6	1.289	0.029	0.011	0.248	0.201
	1807	366	204.6	0.733	0.023	0.010	0.264	0.213
	1808	366	186.2	1.132	0.028	0.014	0.246	0.148
	1810	366	217.5	1.026	0.021	0.007	0.222	0.207
	1811	367	247.7	1.189	0.016	0.011	0.243	0.221
	1812	367	228.8	1.272	0.053	0.007	0.249	0.199
	1813	367	223.0	0.756	0.017	0.009	0.271	0.212
	1814	367	203.5	1.089	0.032	0.007	0.259	0.189
	1815	367	251.8	1.261	0.053	0.007	0.226	0.187
	1816	367	216.8	1.123	0.024	0.006	0.243	0.213
	1817	367	189.3	1.210	0.026	0.008	0.233	0.239
	1818	367	213.2	1.297	0.023	0.008	0.245	0.176

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal		Terminal		Ovaries	Pituitary Gland	Salivary Gland	Spleen
	ID	Day	Body Weight	Lungs				
E5F	1819	367	212.9	1.603	0.025	0.009	0.235	0.208
	1820	367	227.4	0.866	0.023	0.009	0.246	0.184

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal			
			Body Weight	Thymus	Thyroid Glands	
CF	1101	366	240.7	0.070	0.014	0.385
	1102	366	286.5	0.069	0.012	0.348
	1103	366	264.5	0.101	0.013	0.399
	1104	366	261.6	0.086	0.011	0.292
	1105	366	270.3	0.051	0.011	0.403
	1106	366	247.5	0.074	0.009	0.357
	1107	366	274.0	0.104	0.012	0.278
	1108	366	252.2	0.070	0.015	0.321
	1109	366	221.2	0.070	0.014	0.255
	1110	366	280.0	0.054	0.013	0.400
	1111	367	293.4	0.056	0.012	0.238
	1112	367	281.7	0.075	0.009	0.361
	1113	367	237.1	0.052	0.009	0.296
	1114	367	286.6	0.077	0.010	0.315
	1115	367	269.0	0.046	0.010	0.273
	1116	367	212.8	0.057	0.016	0.355
	1117	367	289.8	0.044	0.010	0.264
	1118	367	299.4	0.039	0.013	0.306
	1119	367	336.6	0.055	0.010	0.145
	1120	367	220.6	0.057	0.009	0.440
B0.2F	1301	366	264.6	0.099	0.011	0.175
	1302	366	233.5	0.054	0.011	0.393
	1303	366	237.9	0.076	0.010	0.357
	1304	366	302.6	0.085	0.009	0.343
	1305	366	225.3	0.061	0.019	0.466
	1306	366	259.0	0.067	0.013	0.259
	1307	366	222.7	0.054	0.010	0.806

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal			
			Body Weight	Thymus	Thyroid Glands	
B0.2F	1308	366	245.8	0.077	0.012	0.574
	1309	366	272.1	0.101	0.015	0.242
	1310	366	254.5	0.061	0.010	0.975
	1311	367	254.7	0.048	0.013	0.380
	1312	367	224.6	0.068	0.013	0.401
	1313	367	244.1	0.088	0.013	0.410
	1314	367	272.2	0.067	0.016	0.417
	1315	367	230.8	0.068	0.011	0.315
	1316	367	255.6	0.067	0.012	0.315
	1317	367	201.0	0.084	0.013	0.578
	1318	367	214.7	0.073	0.016	0.502
	1319	367	281.8	0.048	0.011	0.290
B2F	1320	367	283.7	0.080	0.012	0.394
	1401	366	246.6	0.068	0.011	0.322
	1402	366	229.4	0.040	0.012	0.479
	1403	366	245.0	0.077	0.013	0.671
	1404	366	246.0	0.068	0.013	0.382
	1405	366	211.1	0.072	0.010	0.396
	1406	366	235.6	0.091	0.015	0.520
	1407	366	258.2	0.076	0.015	0.493
	1408	366	240.7	0.059	0.014	0.541
	1409	366	236.0	0.061	0.012	0.376
	1410	366	209.3	0.101	0.012	0.540
	1411	367	233.9	0.066	0.012	0.656
	1412	367	282.6	0.115	0.011	0.661
	1413	367	245.2	0.100	0.010	0.380
	1414	367	241.3	0.069	0.009	0.424

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal		
			Body Weight	Thymus	Thyroid Glands
B2F	1415	367	244.0	0.075	0.013
	1416	367	266.8	0.160	0.011
	1417	367	294.8	0.066	0.014
	1418	367	211.4	0.064	0.013
	1419	367	239.9	0.051	0.015
	1420	367	213.1	0.071	0.007
B5F	1501	366	188.1	0.068	0.015
	1502	366	187.0	0.063	0.011
	1503	366	275.5	0.055	0.010
	1504	366	251.7	0.051	0.011
	1505	366	205.2	0.078	0.010
	1506	366	201.0	0.080	0.012
	1507	366	211.6	0.062	0.014
	1508	366	188.4	0.049	0.014
	1509	366	205.2	0.049	0.014
	1510	366	198.1	0.089	0.008
	1511	367	197.6	0.094	0.009
	1512	367	205.8	0.054	0.012
	1513	367	212.8	0.071	0.013
	1514	367	248.4	0.086	0.008
	1515	367	203.3	0.075	0.010
E0.2F	1517	367	216.3	0.071	0.011
	1518	367	220.7	0.063	0.012
	1519	367	221.8	0.059	0.014
	1520	367	230.4	0.051	0.014
	1601	366	224.0	0.060	0.014
	1602	366	267.7	0.045	0.009

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal			
			Body Weight	Thymus	Thyroid Glands	
E0.2F	1603	366	252.9	0.087	0.012	0.321
	1604	366	267.6	0.069	0.013	0.296
	1605	366	280.1	0.050	0.014	0.498
	1606	366	238.2	0.060	0.013	0.502
	1607	366	291.1	0.041	0.015	0.440
	1608	366	268.0	0.091	0.011	0.298
	1609	366	265.1	0.077	0.014	0.421
	1610	366	300.3	0.075	0.010	0.161
	1611	367	241.4	0.074	0.010	0.265
	1612	367	231.4	0.071	0.008	0.311
	1613	367	280.0	0.053	0.011	0.257
	1614	367	251.2	0.054	0.013	0.333
	1615	367	291.3	0.093	0.011	0.278
	1616	367	245.9	0.050	0.011	0.304
E2F	1617	367	283.2	0.043	0.008	0.291
	1618	367	211.1	0.097	0.010	0.619
	1619	367	262.4	0.067	0.013	0.403
	1620	367	286.6	0.050	0.010	0.293
	1701	366	305.5	0.111	0.012	0.472
	1702	366	248.1	0.076	0.009	0.502
	1703	366	223.6	0.057	0.012	0.456
	1704	366	240.1	0.075	0.010	0.352
	1705	366	231.8	0.094	0.012	0.386
	1706	366	216.6	0.054	0.018	0.570
	1707	366	217.2	0.078	0.012	0.297
	1708	366	224.3	0.074	0.014	0.441
	1709	366	251.6	0.069	0.013	0.316

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal		Terminal			
	ID	Day	Body Weight	Thymus	Thyroid Glands	Uterus
E2F	1710	366	225.8	0.067	0.015	0.282
	1711	367	265.2	0.084	0.034	0.426
	1712	367	237.5	0.082	0.009	1.723
	1713	367	248.3	0.068	0.011	0.335
	1714	367	288.3	0.097	0.011	0.459
	1715	367	227.9	0.046	0.009	0.411
	1716	367	240.3	0.102	0.011	0.458
	1717	367	266.3	0.090	0.010	0.386
	1718	367	206.4	0.052	0.009	0.736
	1719	367	283.3	0.063	0.011	0.289
E5F	1720	367	226.1	0.058	0.007	0.429
	1801	366	219.4	0.060	0.011	0.554
	1803	366	240.5	0.049	0.015	3.930
	1804	366	227.1	0.059	0.012	0.275
	1805	366	254.2	0.072	0.011	0.191
	1806	366	201.6	0.095	0.016	0.226
	1807	366	204.6	0.085	0.016	0.326
	1808	366	186.2	0.044	0.016	0.401
	1810	366	217.5	0.092	0.012	0.375
	1811	367	247.7	0.072	0.012	0.623
	1812	367	228.8	0.075	0.009	0.494
	1813	367	223.0	0.065	0.012	1.250
	1814	367	203.5	0.077	0.013	0.877
	1815	367	251.8	0.045	0.013	0.281
	1816	367	216.8	0.032	0.009	0.197
	1817	367	189.3	0.047	0.013	0.327
	1818	367	213.2	0.068	0.012	0.397

Table E-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal		Terminal		
	ID	Day	Body Weight	Thymus	Thyroid Glands
E5F	1819	367	212.9	0.057	0.013
	1820	367	227.4	0.059	0.016
					0.362
					0.327

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Absolute							
	Animal ID	Day	Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
CM	101	365	2.113	1.85	58.578	47.70	90.28	367.33
	102	365	2.095	2.35	58.533	47.88	90.05	375.92
	103	365	2.060	2.14	58.330	46.21	78.40	392.16
	104	365	2.086	2.81	86.849	61.75	102.14	469.39
	105	365	2.075	2.21	65.664	64.92	140.98	575.93
	106	365	1.972	2.54	81.081	55.68	102.13	454.39
	107	365	2.111	1.99	60.675	58.69	115.30	548.14
	108	365	2.159	1.67	62.080	58.66	106.00	432.10
	109	365	2.111	2.30	34.905	53.63	107.24	482.49
	110	365	2.182	2.32	63.959	55.39	97.91	466.49
	111	366	2.118	2.66	60.961	62.29	123.46	574.22
	112	366	2.195	2.26	80.280	54.58	95.89	417.03
	113	366	2.074	3.03	65.275	61.66	118.29	507.40
	114	366	2.200	1.83	60.651	57.56	108.83	447.27
B0.2M	115	366	2.149	2.69	63.104	53.22	110.25	432.14
	116	366	2.092	2.02	61.741	52.33	103.02	400.38
	117	366	2.178	2.66	94.922	49.66	105.82	471.46
	118	366	2.206	2.30	69.654	54.69	95.51	425.79
	119	366	2.090	2.63	73.281	62.25	121.03	500.41
	120	366	2.010	1.85	78.330	52.41	106.69	466.73
	301	365	1.981	1.98	71.228	57.54	107.80	444.55
	302	365	2.141	1.97	51.810	47.83	101.47	453.38
	303	365	2.137	2.32	59.457	51.72	91.40	441.34
	304	365	2.086	3.13	55.612	64.70	110.24	536.25
	305	365	2.001	2.08	64.499	45.71	87.56	360.87
	306	365	2.252	2.26	65.608	61.50	123.30	537.29
	307	365	2.044	2.06	59.045	51.82	97.14	385.45

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Absolute							
	Animal ID	Day	Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
B0.2M	308	365	2.325	2.10	57.913	49.44	99.90	491.66
	309	365	2.178	2.34	70.772	53.25	91.56	434.78
	310	365	2.193	2.25	66.537	52.29	113.57	447.23
	311	366	1.985	2.05	63.567	63.47	115.67	436.64
	312	366	2.203	2.42	70.302	61.83	117.04	489.57
	313	366	2.152	2.10	65.877	52.38	93.17	446.15
	314	366	1.951	2.88	55.261	51.77	110.33	436.79
	315	366	2.136	2.23	59.934	50.23	114.55	459.79
	316	366	2.051	2.58	80.282	58.47	102.76	511.67
	317	366	2.106	2.31	64.551	56.83	110.09	467.32
	318	366	2.035	2.85	66.396	59.46	99.93	445.38
	319	366	2.092	2.80	64.361	55.28	122.05	490.61
	320	366	1.999	3.07	72.553	63.45	104.27	452.64
B2M	401	365	2.270	2.26	61.995	57.41	89.65	427.90
	402	365	2.292	2.31	63.304	55.20	105.05	400.51
	403	365	2.201	1.59	52.683	47.73	99.18	410.79
	404	365	2.070	2.31	64.554	54.81	100.74	469.05
	405	365	2.240	2.09	57.620	43.76	91.65	365.20
	406	365	2.128	2.02	63.558	54.13	90.39	410.93
	407	365	2.135	2.65	62.071	51.70	102.83	469.69
	408	365	2.310	2.52	57.242	50.48	97.10	433.43
	409	365	1.972	2.95	61.941	70.45	147.65	719.36
	410	365	2.214	2.04	59.892	54.28	98.64	390.82
	411	366	2.326	2.17	54.891	61.22	103.66	438.75
	412	366	2.093	2.69	64.974	53.86	95.04	429.75
	413	366	2.108	2.32	70.110	55.78	111.30	458.32
	414	366	2.194	2.52	62.699	48.19	101.00	402.95

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Absolute							
	Animal	ID	Day	Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys
B2M	415	366	2.237	2.23	55.073	57.17	97.29	432.05
	416	366	2.109	2.29	68.749	60.16	102.83	456.92
	417	366	2.204	2.29	58.821	54.95	100.41	413.06
	418	366	2.227	2.56	59.055	58.71	112.07	465.54
	419	366	2.102	2.07	64.322	53.12	100.54	405.08
	420	366	1.981	2.87	59.494	67.51	111.39	549.20
B5M	501	365	2.243	2.66	50.314	52.08	100.50	417.14
	502	365	2.156	1.87	77.707	53.11	122.10	486.56
	503	365	1.999	2.15	64.895	49.24	101.75	364.12
	505	365	2.131	2.40	62.418	51.26	102.88	412.06
	506	365	2.224	2.55	57.635	57.63	99.97	472.45
	507	365	2.198	2.17	55.502	50.48	100.22	386.60
	508	365	2.186	2.37	62.177	52.17	112.62	475.53
	509	365	2.208	2.73	60.532	55.43	102.45	422.85
	510	365	2.182	2.20	67.724	57.66	116.65	451.84
	511	366	2.121	2.62	64.211	63.19	119.12	510.02
	512	366	2.241	1.92	62.497	57.65	98.95	428.35
	513	366	2.138	2.25	59.169	57.89	86.03	371.16
	514	366	2.148	2.43	57.451	50.71	112.37	421.44
	515	366	2.136	1.99	68.560	47.49	101.24	434.50
	516	366	1.822	2.63	77.102	63.42	134.06	499.11
	517	366	1.925	2.36	61.548	49.54	84.28	378.04
	518	366	2.062	2.22	67.405	60.61	105.19	459.08
	519	366	2.195	2.33	67.912	58.91	108.77	511.56
	520	366	2.048	2.08	68.008	51.81	89.48	406.26
E0.2M	601	365	2.068	2.10	71.095	44.43	93.02	436.28
	602	365	2.128	2.58	51.022	48.34	105.11	486.80

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Absolute							
	Animal ID	Day	Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
E0.2M	603	365	2.298	2.03	37.802	50.21	102.59	469.63
	604	365	2.178	3.14	70.052	70.26	139.08	729.30
	605	365	2.078	2.30	60.780	65.79	124.57	537.06
	606	365	2.064	1.97	73.644	52.81	122.17	468.60
	607	365	2.079	2.27	74.707	42.60	82.48	344.67
	608	365	2.052	2.31	64.215	53.00	97.96	404.48
	609	365	2.168	3.19	75.447	65.45	129.21	655.37
	610	365	2.185	2.36	65.992	66.04	120.98	568.99
	611	366	2.218	2.14	58.909	58.56	110.02	520.89
	612	366	2.222	2.13	58.627	52.50	93.42	450.11
	613	366	2.249	2.16	69.110	59.87	127.98	443.90
	614	366	2.067	2.24	65.656	65.65	119.38	540.07
	615	366	1.975	2.08	64.047	50.87	97.79	404.02
	616	366	1.872	2.27	64.844	60.49	111.96	458.67
E2M	617	366	1.961	3.01	67.746	48.98	100.06	450.10
	618	366	2.014	2.23	73.498	59.33	100.57	455.47
	619	366	2.053	2.10	62.222	55.85	110.53	488.94
	620	366	2.179	2.40	66.150	56.72	118.39	509.49
	701	365	2.098	2.27	70.463	54.74	113.96	499.22
	702	365	2.019	2.39	64.811	63.56	111.34	516.26
	703	365	2.066	2.15	69.088	58.95	111.93	493.55
	704	365	2.061	2.37	64.590	59.57	123.33	574.49
	705	365	2.072	1.96	66.466	49.29	86.75	386.76
	706	365	2.055	2.28	66.044	55.95	110.83	421.12
	707	365	2.039	2.24	66.510	65.20	131.46	641.40
	708	365	2.159	2.70	65.754	49.44	109.39	472.90
	709	365	2.241	2.24	58.517	45.02	84.63	362.01

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute					
	ID	Day	Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
E2M	710	365	2.055	2.75	76.170	64.55	127.37	502.83
	711	366	2.120	2.27	65.264	54.26	117.59	533.44
	712	366	2.257	2.24	60.061	51.07	101.14	392.14
	713	366	2.064	2.95	65.296	58.01	105.90	417.96
	714	366	2.071	2.00	75.078	50.68	100.55	446.79
	715	366	2.170	2.44	64.123	61.02	121.53	502.72
	716	366	2.159	3.30	60.537	55.68	115.78	430.04
	717	366	2.146	2.51	64.746	50.88	104.84	454.89
	718	366	1.909	2.36	81.344	58.56	99.47	429.69
	719	366	1.939	2.51	71.255	57.12	112.93	411.37
E5M	720	366	2.043	2.23	78.923	51.50	103.21	429.69
	801	365	2.156	1.33	64.398	52.49	104.32	422.70
	802	365	2.012	2.37	75.410	47.35	106.74	435.73
	803	365	2.190	2.16	64.950	61.58	119.94	447.39
	804	365	2.242	1.44	31.109	57.69	115.74	474.34
	805	365	2.290	1.69	53.902	48.20	100.37	426.30
	806	365	2.038	2.33	56.186	46.03	92.64	405.37
	807	365	2.028	2.31	62.545	51.45	98.03	412.49
	808	365	2.254	1.90	62.371	51.96	99.25	457.00
	809	365	1.972	1.82	67.434	52.53	99.11	416.07
	810	365	2.014	2.80	40.490	53.22	98.57	431.08
	811	366	2.052	2.56	69.890	62.92	128.55	543.61
	812	366	2.114	2.47	63.944	58.39	112.79	447.81
	813	366	2.165	1.92	58.687	52.13	114.33	419.44
	814	366	2.164	2.31	66.671	53.36	110.39	480.16
	815	366	2.197	2.26	70.928	61.45	119.87	499.40
	816	366	2.031	1.67	64.410	61.99	117.92	470.47

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute					
	ID	Day	Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
E5M	817	366	2.283	1.87	70.571	52.03	107.25	463.93
	818	366	2.114	2.51	53.699	57.75	101.78	475.29
	819	366	2.015	2.65	60.660	48.94	98.67	413.67
	820	366	2.024	2.16	76.153	62.41	118.47	453.21

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute		Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
	ID	Day	Brain Weight	Lungs				
CM	101	365	2.113	150.45	0.33	55.45	28.10	51.17
	102	365	2.095	187.17	0.42	48.78	37.91	68.71
	103	365	2.060	101.48	0.44	59.68	29.81	64.37
	104	365	2.086	198.69	0.50	72.51	36.56	71.74
	105	365	2.075	182.87	0.40	59.70	39.52	54.40
	106	365	1.972	175.84	0.77	56.81	33.85	65.49
	107	365	2.111	153.17	0.55	57.64	33.43	54.45
	108	365	2.159	119.93	0.63	53.89	26.21	47.70
	109	365	2.111	131.48	0.56	39.03	32.91	52.65
	110	365	2.182	170.43	0.49	68.67	30.07	76.11
	111	366	2.118	157.06	0.50	62.54	36.73	60.11
	112	366	2.195	176.92	0.51	60.92	31.14	69.49
B0.2M	113	366	2.074	150.24	0.75	58.40	38.35	75.97
	114	366	2.200	156.18	0.67	52.33	32.40	54.50
	115	366	2.149	146.58	0.61	60.87	35.27	79.35
	116	366	2.092	110.32	0.55	37.55	32.83	42.32
	117	366	2.178	191.45	0.51	49.21	34.32	57.64
	118	366	2.206	140.81	0.56	70.61	37.30	66.88
	119	366	2.090	191.61	0.35	51.40	37.26	68.52
B0.2M	120	366	2.010	179.43	0.60	62.14	35.07	68.95
	301	365	1.981	173.84	0.65	51.60	29.05	72.80
	302	365	2.141	90.24	0.50	57.18	30.43	55.79
	303	365	2.137	179.84	0.71	57.81	31.46	63.87
	304	365	2.086	155.70	0.52	68.34	33.35	45.89
	305	365	2.001	106.21	0.69	67.84	29.60	60.36
	306	365	2.252	153.95	0.71	103.41	38.61	65.52
B0.2M	307	365	2.044	151.87	0.57	64.92	29.67	79.60

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute		Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
	ID	Day	Brain Weight	Lungs				
B0.2M	308	365	2.325	117.44	0.55	62.52	32.29	44.90
	309	365	2.178	114.21	0.53	52.47	32.06	72.71
	310	365	2.193	166.70	0.67	83.22	28.95	66.03
	311	366	1.985	222.14	0.59	54.83	31.28	58.00
	312	366	2.203	199.11	0.64	40.68	33.59	57.93
	313	366	2.152	105.91	0.52	101.35	34.92	76.84
	314	366	1.951	162.65	0.70	35.16	30.81	45.64
	315	366	2.136	142.49	0.63	50.74	32.75	58.64
	316	366	2.051	164.33	0.81	74.65	39.92	65.51
	317	366	2.106	165.18	0.52	55.19	31.11	83.76
	318	366	2.035	206.02	0.80	72.02	36.69	78.11
	319	366	2.092	137.45	0.58	82.70	34.99	82.24
	320	366	1.999	153.07	0.55	61.07	37.62	77.51
B2M	401	365	2.270	113.87	0.42	44.26	33.67	65.11
	402	365	2.292	165.43	0.77	46.60	33.59	68.90
	403	365	2.201	147.29	0.47	63.13	34.66	64.31
	404	365	2.070	185.41	0.59	44.27	36.15	55.03
	405	365	2.240	89.79	0.49	75.91	40.32	78.05
	406	365	2.128	140.70	0.57	59.50	34.20	73.70
	407	365	2.135	123.75	0.49	56.44	38.68	76.71
	408	365	2.310	199.22	0.49	98.49	34.35	59.84
	409	365	1.972	176.68	0.62	62.48	41.95	66.58
	410	365	2.214	140.82	0.50	98.18	30.72	71.10
	411	366	2.326	148.44	0.86	78.08	30.95	66.68
	412	366	2.093	133.53	0.56	66.20	40.97	88.57
	413	366	2.108	107.38	0.65	65.18	33.11	93.24
	414	366	2.194	143.93	0.65	69.71	36.07	58.73

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute		Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
	ID	Day	Brain Weight	Lungs				
B2M	415	366	2.237	145.18	0.60	32.46	35.24	43.02
	416	366	2.109	158.26	0.45	68.04	35.61	91.84
	417	366	2.204	120.80	0.48	49.18	31.77	56.21
	418	366	2.227	125.73	0.43	96.48	30.73	72.39
	419	366	2.102	163.97	0.52	52.07	33.13	71.24
	420	366	1.981	170.16	0.49	65.42	36.46	66.25
B5M	501	365	2.243	211.86	0.50	59.76	38.07	81.31
	502	365	2.156	212.55	0.67	60.78	35.72	58.91
	503	365	1.999	163.05	0.56	63.00	43.82	71.36
	505	365	2.131	190.37	0.49	38.33	32.62	50.38
	506	365	2.224	145.43	0.47	57.05	38.30	73.04
	507	365	2.198	186.07	0.61	79.93	31.22	66.32
	508	365	2.186	132.69	0.64	61.21	35.33	75.87
	509	365	2.208	156.61	0.55	86.11	30.21	61.60
	510	365	2.182	135.05	0.49	58.30	33.25	71.20
	511	366	2.121	189.57	0.65	57.77	40.68	53.25
	512	366	2.241	161.77	0.62	57.09	30.72	64.21
	513	366	2.138	181.49	0.46	91.77	39.69	64.47
	514	366	2.148	147.67	0.61	44.35	33.41	61.93
	515	366	2.136	146.87	0.47	49.72	34.03	61.91
	516	366	1.822	134.96	0.36	72.08	41.02	62.15
	517	366	1.925	104.90	0.39	73.88	30.81	66.69
	518	366	2.062	121.15	0.52	98.97	40.42	75.24
	519	366	2.195	188.91	0.81	50.43	32.72	75.68
	520	366	2.048	141.92	0.42	51.47	31.41	52.95
E0.2M	601	365	2.068	164.73	0.67	56.43	36.87	68.63
	602	365	2.128	142.67	0.47	85.78	29.43	62.16

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute		Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
	ID	Day	Brain Weight	Lungs				
E0.2M	603	365	2.298	140.55	0.83	44.06	29.81	62.49
	604	365	2.178	210.40	0.59	47.99	32.00	63.35
	605	365	2.078	255.05	0.70	46.76	39.29	53.33
	606	365	2.064	121.05	0.52	88.31	35.09	66.25
	607	365	2.079	156.99	0.49	50.56	25.45	64.53
	608	365	2.052	146.16	0.50	84.88	31.23	64.72
	609	365	2.168	135.85	0.79	74.22	39.50	70.25
	610	365	2.185	226.67	0.53	65.46	35.68	80.93
	611	366	2.218	116.87	0.67	58.57	29.78	56.88
	612	366	2.222	186.61	0.63	77.78	32.30	56.12
	613	366	2.249	93.48	0.61	63.92	33.28	71.44
	614	366	2.067	165.84	0.50	66.93	35.33	84.00
	615	366	1.975	141.99	0.36	78.69	31.65	67.06
	616	366	1.872	180.16	0.55	52.10	35.49	61.40
E2M	617	366	1.961	124.41	0.49	70.87	35.63	68.99
	618	366	2.014	108.81	0.76	49.17	36.53	56.88
	619	366	2.053	111.28	0.80	72.70	29.85	59.08
	620	366	2.179	146.12	0.73	69.98	40.23	78.44
	701	365	2.098	164.10	0.64	55.76	35.32	70.31
	702	365	2.019	210.17	0.57	53.45	37.72	69.47
	703	365	2.066	166.15	0.56	61.64	35.27	74.87
	704	365	2.061	186.08	0.81	59.59	32.96	71.24
	705	365	2.072	155.32	0.43	87.78	24.32	81.69
	706	365	2.055	169.81	0.61	74.86	31.81	89.37
	707	365	2.039	193.71	0.53	56.45	39.32	58.81
	708	365	2.159	215.27	0.53	65.25	32.69	65.30
	709	365	2.241	108.13	0.50	50.31	26.97	64.62

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute		Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
	ID	Day	Brain Weight	Lungs				
E2M	710	365	2.055	208.09	0.54	68.78	41.71	62.68
	711	366	2.120	128.33	0.54	67.08	37.76	64.21
	712	366	2.257	154.41	0.47	36.38	27.78	63.31
	713	366	2.064	186.42	0.63	62.53	35.41	63.65
	714	366	2.071	166.23	0.56	59.67	36.07	56.82
	715	366	2.170	205.87	0.58	58.45	34.89	57.81
	716	366	2.159	151.60	0.66	48.29	33.08	45.82
	717	366	2.146	122.84	0.38	53.89	34.26	66.01
	718	366	1.909	155.23	0.53	53.72	35.96	57.34
	719	366	1.939	164.92	0.59	49.87	30.76	63.29
E5M	720	366	2.043	198.93	0.58	49.70	33.41	62.62
	801	365	2.156	151.10	0.57	56.32	37.38	64.67
	802	365	2.012	146.29	0.46	107.00	37.73	82.76
	803	365	2.190	167.33	0.64	70.76	36.97	59.80
	804	365	2.242	144.75	0.64	35.95	32.49	60.88
	805	365	2.290	150.74	0.52	53.67	29.36	50.30
	806	365	2.038	139.47	0.62	56.37	30.05	68.60
	807	365	2.028	203.39	0.70	36.59	34.91	50.88
	808	365	2.254	133.36	0.63	47.09	31.26	48.97
	809	365	1.972	176.37	0.53	63.71	35.03	63.82
	810	365	2.014	197.82	0.59	71.56	33.17	65.33
	811	366	2.052	130.65	0.58	51.92	36.78	67.89
	812	366	2.114	130.12	0.55	44.54	32.83	70.53
	813	366	2.165	180.92	0.84	83.75	40.64	65.99
	814	366	2.164	174.02	0.55	68.21	38.84	64.98
	815	366	2.197	150.09	0.57	49.61	35.11	62.80
	816	366	2.031	145.73	0.53	56.50	34.79	81.22

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute		Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
	ID	Day	Brain Weight	Lungs				
E5M	817	366	2.283	193.49	0.62	61.81	32.76	69.79
	818	366	2.114	159.66	0.43	46.71	34.55	61.70
	819	366	2.015	151.37	0.62	72.84	31.81	67.12
	820	366	2.024	144.08	0.67	74.49	39.29	87.38

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute			Thyroid Glands	
	ID	Day	Brain Weight	Spleen	Testes		
CM	101	365	2.113	34.97	194.17	12.89	1.44
	102	365	2.095	33.01	162.51	7.05	1.87
	103	365	2.060	40.24	188.17	3.56	1.45
	104	365	2.086	46.39	195.29	5.03	1.75
	105	365	2.075	40.28	196.55	16.74	1.67
	106	365	1.972	25.76	171.53	6.18	2.41
	107	365	2.111	46.31	198.92	10.42	1.58
	108	365	2.159	31.83	186.30	3.27	2.25
	109	365	2.111	38.12	54.65	10.61	1.66
	110	365	2.182	27.04	187.34	5.72	1.68
	111	366	2.118	36.27	216.62	4.86	1.85
	112	366	2.195	32.31	163.00	6.02	2.20
	113	366	2.074	33.05	209.30	8.29	1.52
	114	366	2.200	28.74	165.12	8.87	2.07
	115	366	2.149	37.82	200.63	7.86	1.64
	116	366	2.092	38.29	181.87	8.21	1.46
	117	366	2.178	38.82	180.75	5.29	1.81
	118	366	2.206	36.92	214.89	9.17	1.70
	119	366	2.090	34.29	188.33	5.28	1.65
	120	366	2.010	36.45	191.41	5.01	2.01
B0.2M	301	365	1.981	32.57	198.17	9.46	1.67
	302	365	2.141	36.71	182.44	7.47	1.78
	303	365	2.137	28.58	170.20	9.68	1.47
	304	365	2.086	42.60	233.06	12.18	2.00
	305	365	2.001	28.43	203.33	13.36	1.63
	306	365	2.252	43.98	208.40	8.56	1.77
	307	365	2.044	28.99	197.44	5.75	1.44

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute			Thyroid Glands	
	ID	Day	Brain Weight	Spleen	Testes		
B0.2M	308	365	2.325	41.07	172.83	8.28	1.59
	309	365	2.178	35.12	187.15	1.85	2.75
	310	365	2.193	39.41	174.77	10.53	1.81
	311	366	1.985	32.37	200.10	9.21	1.46
	312	366	2.203	31.98	203.35	6.65	1.69
	313	366	2.152	33.56	189.11	7.14	1.86
	314	366	1.951	25.04	190.39	10.31	1.82
	315	366	2.136	32.19	187.40	15.14	1.42
	316	366	2.051	46.18	211.13	10.33	2.12
	317	366	2.106	40.37	195.75	4.66	1.28
	318	366	2.035	31.42	216.85	10.52	1.24
	319	366	2.092	34.49	214.71	6.48	1.94
	320	366	1.999	31.31	192.24	4.20	2.08
B2M	401	365	2.270	29.94	181.16	10.51	1.69
	402	365	2.292	34.10	186.59	6.27	1.39
	403	365	2.201	26.69	201.54	5.72	1.87
	404	365	2.070	36.75	173.71	5.10	2.23
	405	365	2.240	29.49	146.42	3.16	1.38
	406	365	2.128	41.03	188.59	8.44	1.03
	407	365	2.135	30.80	153.32	9.00	1.43
	408	365	2.310	27.67	173.04	6.23	1.39
	409	365	1.972	37.09	206.91	3.16	1.98
	410	365	2.214	40.34	168.33	10.84	1.92
	411	366	2.326	33.68	185.08	9.83	2.98
	412	366	2.093	36.15	179.40	5.35	1.65
	413	366	2.108	32.45	238.66	5.50	1.52
	414	366	2.194	26.49	195.84	3.19	1.66

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute			Thyroid Glands	
	ID	Day	Brain Weight	Spleen	Testes		
B2M	415	366	2.237	34.12	168.95	6.66	1.60
	416	366	2.109	30.06	197.37	5.13	1.45
	417	366	2.204	28.75	191.17	5.46	1.55
	418	366	2.227	38.05	172.90	9.48	1.81
	419	366	2.102	34.95	185.28	13.13	1.44
	420	366	1.981	33.28	229.02	17.51	1.85
B5M	501	365	2.243	31.69	123.72	10.21	1.16
	502	365	2.156	33.07	185.10	5.34	1.68
	503	365	1.999	28.65	182.13	7.13	1.62
	505	365	2.131	26.90	166.77	8.00	1.60
	506	365	2.224	35.91	174.33	6.13	1.56
	507	365	2.198	28.19	180.26	9.87	1.77
	508	365	2.186	34.37	197.31	8.45	1.45
	509	365	2.208	26.23	187.86	7.91	1.57
	510	365	2.182	44.00	209.08	3.97	1.24
	511	366	2.121	37.34	217.46	13.50	1.29
	512	366	2.241	28.87	195.86	4.17	1.84
	513	366	2.138	33.54	174.99	6.48	1.40
	514	366	2.148	31.37	195.22	6.69	1.81
	515	366	2.136	30.18	196.55	4.81	1.21
E0.2M	516	366	1.822	33.96	213.31	8.29	1.43
	517	366	1.925	31.41	192.82	4.94	1.39
	518	366	2.062	33.55	191.63	4.03	1.63
	519	366	2.195	31.70	200.42	13.70	1.88
	520	366	2.048	34.06	174.33	6.65	0.87
E0.2M	601	365	2.068	31.27	181.16	4.25	1.47
	602	365	2.128	27.79	184.43	12.60	2.16

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute			Thyroid Glands	
	ID	Day	Brain Weight	Spleen	Testes		
E0.2M	603	365	2.298	42.24	46.43	6.89	1.89
	604	365	2.178	38.39	199.73	15.69	1.66
	605	365	2.078	46.79	206.06	7.59	1.75
	606	365	2.064	34.90	182.09	10.02	1.84
	607	365	2.079	25.58	171.79	5.15	1.27
	608	365	2.052	31.15	187.48	8.06	1.90
	609	365	2.168	52.86	232.18	8.61	2.32
	610	365	2.185	32.17	188.25	10.26	1.55
	611	366	2.218	37.52	176.55	7.22	1.98
	612	366	2.222	33.63	215.11	10.81	2.02
	613	366	2.249	34.62	239.68	4.37	1.52
	614	366	2.067	30.48	192.97	6.05	2.47
	615	366	1.975	29.85	186.93	13.44	2.02
	616	366	1.872	34.28	204.10	14.49	1.83
	617	366	1.961	34.75	206.14	6.86	1.43
E2M	618	366	2.014	46.35	211.60	11.65	2.44
	619	366	2.053	31.40	197.49	5.81	1.60
	620	366	2.179	36.12	195.95	4.79	2.50
	701	365	2.098	34.11	193.45	5.42	1.77
	702	365	2.019	34.39	209.34	9.60	1.84
	703	365	2.066	30.63	197.14	7.36	1.33
	704	365	2.061	44.25	197.23	10.55	1.79
	705	365	2.072	29.44	187.02	3.91	1.48
	706	365	2.055	35.55	188.33	5.19	2.08
	707	365	2.039	38.96	195.57	8.61	1.84
	708	365	2.159	34.89	199.58	13.01	1.68
	709	365	2.241	30.22	168.26	7.00	1.65

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute			Thyroid Glands	
	ID	Day	Brain Weight	Spleen	Testes		
E2M	710	365	2.055	37.10	204.48	11.68	1.66
	711	366	2.120	28.95	180.26	6.60	1.57
	712	366	2.257	35.93	179.43	12.43	1.02
	713	366	2.064	29.82	225.45	9.26	1.72
	714	366	2.071	38.52	207.50	6.28	1.73
	715	366	2.170	38.57	183.10	9.30	1.85
	716	366	2.159	33.66	263.15	8.16	1.61
	717	366	2.146	34.61	185.34	13.51	1.35
	718	366	1.909	36.60	189.60	4.56	1.48
	719	366	1.939	29.95	200.21	8.28	1.86
	720	366	2.043	28.51	197.32	9.24	1.45
E5M	801	365	2.156	34.93	178.79	6.48	1.29
	802	365	2.012	32.28	220.30	7.28	1.59
	803	365	2.190	31.69	226.66	8.06	1.28
	804	365	2.242	32.79	44.19	7.75	1.68
	805	365	2.290	25.43	170.31	7.82	1.62
	806	365	2.038	35.28	169.79	9.12	1.50
	807	365	2.028	32.83	192.02	7.71	1.86
	808	365	2.254	32.04	221.41	10.26	1.32
	809	365	1.972	32.17	198.81	11.84	1.27
	810	365	2.014	31.10	96.38	8.55	1.31
	811	366	2.052	28.21	213.53	5.80	1.98
	812	366	2.114	37.04	206.89	16.22	1.67
	813	366	2.165	27.70	167.94	8.44	1.59
	814	366	2.164	38.88	193.08	5.74	1.41
	815	366	2.197	36.50	176.14	6.89	1.72
	816	366	2.031	34.02	200.49	13.80	1.46

Table E-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal		Absolute				Thyroid Glands
	ID	Day	Brain Weight	Spleen	Testes	Thymus	
E5M	817	366	2.283	29.50	180.54	7.55	2.32
	818	366	2.114	36.79	173.66	11.77	2.15
	819	366	2.015	26.19	192.17	9.37	1.48
	820	366	2.024	35.34	243.48	8.81	1.53

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Absolute							
	Animal ID	Day	Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
CF	1101	366	2.004	3.85	37.34	75.23	277.35	110.43
	1102	366	2.159	2.91	42.41	72.69	301.45	103.84
	1103	366	1.847	3.87	44.55	94.81	351.58	143.15
	1104	366	1.954	1.92	41.51	74.93	277.09	135.40
	1105	366	2.026	3.43	39.24	80.77	280.23	98.78
	1106	366	2.013	3.09	39.63	76.81	297.98	138.71
	1107	366	1.938	2.64	45.96	79.38	292.23	148.01
	1108	366	1.936	3.13	43.57	86.82	315.26	192.28
	1109	366	1.913	2.60	43.58	71.79	284.88	151.75
	1110	366	1.990	3.06	46.55	77.51	316.47	135.90
	1111	367	2.118	2.26	42.30	80.58	284.77	109.26
	1112	367	1.873	3.27	51.96	87.78	368.64	145.74
	1113	367	1.954	2.60	41.48	64.85	246.85	133.98
	1114	367	1.986	2.75	45.45	84.56	350.03	88.68
	1115	367	2.103	2.38	47.41	87.75	333.37	161.64
	1116	367	1.860	2.39	40.24	73.25	268.46	151.70
	1117	367	2.033	1.84	40.97	68.58	295.89	115.44
	1118	367	1.815	2.92	40.19	82.72	323.14	140.15
	1119	367	1.816	3.08	53.49	91.82	373.54	168.60
	1120	367	1.763	3.09	46.20	68.04	261.48	152.71
B0.2F	1301	366	1.847	3.28	44.72	94.26	326.54	140.61
	1302	366	1.954	3.40	39.10	78.43	272.16	122.80
	1303	366	1.897	2.85	40.63	81.04	307.04	120.16
	1304	366	1.879	3.07	42.21	76.99	345.12	86.23
	1305	366	1.853	3.25	39.18	75.17	287.04	97.18
	1306	366	1.952	1.93	38.81	76.58	278.76	97.07
	1307	366	1.929	3.34	35.54	74.35	244.94	99.14

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Absolute							
	Animal	Brain	Adrenal				
Group	ID	Day	Weight	Glands	Heart	Kidneys	Liver
B0.2F	1308	366	1.905	3.43	43.30	78.78	325.47
	1309	366	1.946	3.30	51.11	82.21	318.88
	1310	366	1.885	3.26	45.47	74.77	308.24
	1311	367	2.035	2.71	48.62	85.17	357.51
	1312	367	2.141	2.45	35.44	67.17	262.04
	1313	367	1.958	2.09	43.86	80.04	339.49
	1314	367	2.049	2.52	44.06	84.46	331.29
	1315	367	2.027	2.17	40.44	69.56	236.34
	1316	367	1.818	2.62	48.70	80.84	338.18
	1317	367	1.811	2.28	39.64	73.92	249.28
	1318	367	1.848	3.84	49.93	86.19	309.94
	1319	367	1.949	2.54	47.81	81.58	308.75
B2F	1320	367	2.071	2.46	40.84	85.62	346.31
	1401	366	1.927	3.12	38.58	75.79	301.23
	1402	366	1.945	2.93	38.93	75.98	253.08
	1403	366	1.977	3.39	46.86	82.83	319.23
	1404	366	1.890	3.10	45.57	78.31	296.98
	1405	366	1.847	2.33	35.22	70.33	258.87
	1406	366	1.871	2.86	42.66	81.37	260.09
	1407	366	2.038	3.15	38.31	71.59	289.92
	1408	366	2.085	4.29	41.19	74.16	276.44
	1409	366	1.967	2.91	38.71	76.00	262.49
	1410	366	1.856	1.98	43.93	74.00	261.33
	1411	367	1.892	3.64	43.72	85.46	276.73
	1412	367	2.146	3.44	43.40	81.74	324.03
	1413	367	1.921	3.88	45.66	81.16	331.48
	1414	367	2.070	2.80	46.01	81.93	275.22

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal		Absolute				
	ID	Day	Brain Weight	Adrenal Glands	Heart	Kidneys	Liver
B2F	1415	367	1.937	2.78	40.64	80.01	322.39
	1416	367	2.086	2.68	48.40	70.62	311.87
	1417	367	1.882	3.37	48.17	98.01	391.55
	1418	367	1.916	2.25	43.64	72.20	266.49
	1419	367	1.933	3.04	43.16	81.59	305.39
	1420	367	1.720	3.08	45.46	74.22	279.93
B5F	1501	366	1.878	2.02	33.79	63.21	273.39
	1502	366	1.747	2.98	33.26	62.77	260.18
	1503	366	2.013	2.32	39.59	73.36	302.97
	1504	366	2.020	2.50	40.13	68.07	278.86
	1505	366	1.829	2.43	37.22	70.14	274.49
	1506	366	1.955	2.70	37.41	64.31	238.56
	1507	366	1.790	2.82	35.68	77.97	276.74
	1508	366	1.745	3.03	34.78	67.01	265.88
	1509	366	1.880	1.94	32.59	70.08	220.45
	1510	366	1.905	2.13	33.09	62.75	258.70
	1511	367	1.863	2.22	37.70	68.50	264.43
	1512	367	1.979	2.57	35.61	65.79	235.71
	1513	367	1.822	2.79	36.90	76.39	262.53
	1514	367	1.957	2.63	42.09	76.93	315.84
	1515	367	1.998	2.31	33.27	62.30	249.48
	1517	367	1.926	3.33	40.01	71.20	269.93
	1518	367	1.931	3.49	41.98	82.66	315.70
	1519	367	1.908	2.91	41.89	67.68	308.83
	1520	367	1.884	3.19	40.64	88.23	333.15
E0.2F	1601	366	1.892	3.29	39.94	76.48	284.25
	1602	366	1.960	3.70	43.64	88.49	361.11

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal	Absolute						
		ID	Day	Brain Weight	Adrenal Glands	Heart	Kidneys	Liver
E0.2F	1603	366	1.973	2.27	42.81	84.31	273.90	126.09
	1604	366	1.861	4.03	48.80	84.86	304.87	165.67
	1605	366	1.995	3.76	45.90	90.14	313.18	101.74
	1606	366	1.910	3.21	37.00	81.01	273.90	140.18
	1607	366	2.084	3.32	45.28	90.05	369.98	132.40
	1608	366	2.001	2.35	42.76	91.29	325.54	164.33
	1609	366	1.899	3.46	45.19	85.54	326.99	112.04
	1610	366	1.834	2.34	50.29	77.72	355.28	145.93
	1611	367	1.867	3.23	45.10	78.08	300.72	160.03
	1612	367	1.899	2.53	40.37	79.73	300.72	100.83
	1613	367	1.986	2.70	42.36	75.08	308.60	132.40
	1614	367	1.807	2.79	40.60	84.83	289.27	125.27
	1615	367	1.910	2.93	44.47	83.32	321.50	140.66
	1616	367	1.944	2.91	45.62	86.19	320.44	140.14
	1617	367	1.745	2.12	44.33	94.40	344.66	99.30
E2F	1618	367	1.791	2.46	44.17	77.22	295.50	178.81
	1619	367	2.057	3.10	44.28	84.25	327.15	121.71
	1620	367	1.805	3.46	42.20	82.52	317.93	143.72
	1701	366	2.071	3.01	46.06	90.52	306.72	110.11
	1702	366	2.065	3.50	41.07	74.41	277.00	159.02
	1703	366	1.835	2.41	42.20	70.40	280.46	160.87
	1704	366	1.927	2.54	42.91	75.70	269.10	98.15
	1705	366	1.926	3.04	36.00	76.47	289.44	103.83
	1706	366	2.077	4.10	41.13	75.20	247.31	139.96

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Absolute							
	Animal ID	Day	Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
E2F	1710	366	2.005	2.40	39.29	74.07	313.86	145.81
	1711	367	1.985	2.45	43.34	77.60	291.17	105.67
	1712	367	1.962	2.77	43.40	86.82	282.56	159.25
	1713	367	2.025	3.02	39.58	80.50	347.42	125.82
	1714	367	2.070	2.42	48.61	83.02	297.35	98.75
	1715	367	1.903	2.84	40.88	76.83	314.95	145.01
	1716	367	1.926	3.55	45.24	81.82	286.22	151.26
	1717	367	1.907	3.48	36.63	86.79	306.94	105.34
	1718	367	1.792	2.45	39.89	74.82	233.59	140.33
	1719	367	2.049	2.58	43.21	85.26	316.89	115.35
E5F	1720	367	1.858	3.40	41.38	70.21	275.72	138.47
	1801	366	1.851	4.73	42.28	79.21	299.98	117.11
	1803	366	1.826	2.97	37.99	85.44	287.52	95.21
	1804	366	2.072	2.00	34.18	68.73	237.59	125.49
	1805	366	1.920	2.51	42.61	81.29	325.52	133.45
	1806	366	1.855	2.40	38.14	66.91	292.77	140.09
	1807	366	1.832	2.76	39.94	75.77	321.92	81.84
	1808	366	1.818	2.81	34.75	65.48	265.26	115.88
	1810	366	2.011	2.94	36.69	62.17	257.15	110.93
	1811	367	2.024	3.64	42.61	83.62	319.87	145.54
	1812	367	1.951	2.72	35.34	66.71	300.14	149.13
	1813	367	1.935	2.80	39.25	73.16	287.57	87.14
	1814	367	1.901	2.83	36.63	67.86	304.33	116.55
	1815	367	2.034	2.83	41.18	78.92	287.63	156.05
	1816	367	1.944	2.53	37.33	56.36	269.59	125.28
	1817	367	1.902	1.95	37.23	70.15	218.99	120.46
	1818	367	1.843	2.24	42.54	69.05	281.69	149.96

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group			Absolute					
	Animal ID	Day	Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
E5F	1819	367	1.807	3.12	39.72	77.57	279.46	188.80
	1820	367	2.061	3.05	43.38	68.15	275.69	95.56

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal		Absolute		Salivary Gland	Spleen	Thymus
	ID	Day	Brain Weight	Ovaries			
CF	1101	366	2.004	3.00	1.08	29.61	8.39
	1102	366	2.159	3.78	0.95	28.12	9.16
	1103	366	1.847	2.94	0.95	26.95	14.49
	1104	366	1.954	4.88	0.75	25.11	11.46
	1105	366	2.026	17.68	0.72	25.05	6.82
	1106	366	2.013	3.12	0.83	33.37	9.10
	1107	366	1.938	2.92	1.25	26.76	14.77
	1108	366	1.936	3.27	0.92	26.15	9.17
	1109	366	1.913	2.62	0.68	25.71	8.12
	1110	366	1.990	1.89	1.27	24.77	7.66
	1111	367	2.118	5.00	0.89	24.34	7.72
	1112	367	1.873	4.38	0.99	29.88	11.27
	1113	367	1.954	3.61	0.87	25.29	6.35
	1114	367	1.986	2.28	1.21	26.70	11.09
	1115	367	2.103	5.94	0.93	27.83	5.92
	1116	367	1.860	6.17	0.73	27.03	6.48
	1117	367	2.033	3.34	0.95	26.51	6.24
	1118	367	1.815	11.99	1.00	26.19	6.36
	1119	367	1.816	4.81	0.81	27.90	10.11
	1120	367	1.763	1.96	1.06	25.05	7.18
B0.2F	1301	366	1.847	4.49	0.74	30.59	14.20
	1302	366	1.954	4.05	1.02	28.72	6.42
	1303	366	1.897	2.59	1.01	31.20	9.51
	1304	366	1.879	5.28	0.84	30.17	13.68
	1305	366	1.853	2.88	0.82	32.67	7.36
	1306	366	1.952	6.43	1.12	23.33	8.85
	1307	366	1.929	3.47	0.83	25.36	6.27

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal		Absolute		Salivary Gland	Spleen	Thymus
	ID	Day	Brain Weight	Ovaries			
B0.2F	1308	366	1.905	3.84	1.22	24.18	9.91
	1309	366	1.946	4.46	0.95	31.56	14.07
	1310	366	1.885	2.55	1.21	24.78	8.24
	1311	367	2.035	4.78	1.08	32.36	5.97
	1312	367	2.141	1.98	0.87	25.24	7.09
	1313	367	1.958	6.76	0.90	27.02	10.95
	1314	367	2.049	2.47	1.14	25.28	8.84
	1315	367	2.027	4.30	0.56	25.64	7.73
	1316	367	1.818	4.68	1.08	27.20	9.43
	1317	367	1.811	2.20	0.97	24.65	9.28
	1318	367	1.848	3.47	0.94	29.82	8.46
	1319	367	1.949	3.64	0.96	24.44	6.96
B2F	1320	367	2.071	1.98	0.98	27.66	10.97
	1401	366	1.927	5.85	0.93	25.02	8.68
	1402	366	1.945	2.25	0.96	28.52	4.77
	1403	366	1.977	3.75	1.19	34.25	9.52
	1404	366	1.890	2.31	1.23	37.58	8.80
	1405	366	1.847	4.46	0.66	23.97	8.28
	1406	366	1.871	3.19	0.84	32.15	11.41
	1407	366	2.038	2.10	0.77	26.80	9.65
	1408	366	2.085	2.81	0.86	31.84	6.85
	1409	366	1.967	3.66	0.73	25.21	7.26
	1410	366	1.856	2.65	0.92	27.76	11.33
	1411	367	1.892	2.78	1.12	32.97	8.19
	1412	367	2.146	4.74	0.94	33.31	15.19
	1413	367	1.921	3.35	0.94	38.24	12.79
	1414	367	2.070	7.83	1.00	22.53	8.10

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal		Absolute		Pituitary Gland	Salivary Gland	Spleen	Thymus
	ID	Day	Brain Weight	Ovaries				
B2F	1415	367	1.937	2.30	1.51	25.65	23.90	9.50
	1416	367	2.086	4.40	0.89	32.41	30.17	20.46
	1417	367	1.882	2.69	0.98	30.99	27.82	10.31
	1418	367	1.916	2.56	0.80	27.34	22.79	7.03
	1419	367	1.933	2.54	1.44	29.10	23.74	6.27
	1420	367	1.720	2.83	1.06	25.56	31.21	8.79
B5F	1501	366	1.878	2.17	0.97	24.81	24.17	6.84
	1502	366	1.747	1.92	0.94	22.87	22.60	6.70
	1503	366	2.013	5.01	1.14	27.50	29.22	7.59
	1504	366	2.020	4.15	0.87	29.16	20.49	6.38
	1505	366	1.829	2.93	0.75	23.40	24.57	8.76
	1506	366	1.955	2.93	0.59	26.92	20.03	8.24
	1507	366	1.790	3.21	0.78	22.30	25.12	7.28
	1508	366	1.745	2.41	0.99	22.78	23.38	5.26
	1509	366	1.880	2.38	0.81	24.06	17.42	5.33
	1510	366	1.905	2.06	0.80	24.51	19.21	9.30
	1511	367	1.863	3.34	0.82	27.46	23.30	9.94
	1512	367	1.979	2.65	0.71	26.91	22.83	5.59
	1513	367	1.822	2.46	0.58	25.73	25.69	8.31
	1514	367	1.957	3.11	0.75	31.25	28.71	10.85
	1515	367	1.998	2.03	0.70	24.63	23.50	7.65
E0.2F	1517	367	1.926	5.12	0.71	31.43	20.41	8.00
	1518	367	1.931	2.31	0.79	28.81	23.64	7.18
	1519	367	1.908	4.19	0.89	27.52	21.12	6.87
	1520	367	1.884	4.96	0.98	31.81	26.73	6.28
	1601	366	1.892	3.61	0.97	25.70	22.75	7.07
	1602	366	1.960	3.65	1.01	31.43	21.62	6.17

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute		Salivary Gland	Spleen	Thymus	
			Brain Weight	Ovaries				
E0.2F	1603	366	1.973	2.66	0.65	27.99	21.49	11.13
	1604	366	1.861	4.87	1.17	32.10	24.10	9.91
	1605	366	1.995	2.73	1.22	27.92	29.46	7.09
	1606	366	1.910	4.79	0.84	25.45	24.02	7.46
	1607	366	2.084	2.28	1.09	31.63	39.91	5.72
	1608	366	2.001	2.66	0.95	27.89	22.66	12.16
	1609	366	1.899	3.36	1.22	26.14	38.02	10.73
	1610	366	1.834	5.53	0.65	33.43	23.29	12.20
	1611	367	1.867	3.83	1.25	27.58	25.75	9.51
	1612	367	1.899	6.89	0.85	25.09	24.40	8.68
	1613	367	1.986	2.94	1.10	23.39	24.89	7.44
	1614	367	1.807	27.51	0.75	22.51	29.25	7.53
	1615	367	1.910	4.85	0.93	29.87	28.53	14.17
	1616	367	1.944	2.38	1.05	30.38	28.50	6.31
E2F	1617	367	1.745	2.28	1.19	26.94	27.36	7.03
	1618	367	1.791	2.40	0.83	25.23	28.33	11.41
	1619	367	2.057	2.51	0.98	25.76	30.71	8.53
	1620	367	1.805	2.48	1.01	28.82	26.38	7.97
	1701	366	2.071	2.06	1.28	33.50	31.91	16.44
	1702	366	2.065	2.53	0.85	30.16	24.63	9.12
	1703	366	1.835	2.70	1.00	30.15	25.61	6.89
	1704	366	1.927	3.66	0.70	26.01	18.74	9.29
	1705	366	1.926	2.80	0.84	27.10	28.09	11.28
	1706	366	2.077	2.69	0.78	24.74	22.74	5.59
	1707	366	1.955	3.47	0.89	33.82	25.63	8.67
	1708	366	2.021	2.49	0.77	25.90	27.32	8.19
	1709	366	1.941	12.69	0.82	23.99	23.82	8.97

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal		Absolute		Salivary Gland	Spleen	Thymus
	ID	Day	Brain Weight	Ovaries			
E2F	1710	366	2.005	4.46	0.72	24.30	7.59
	1711	367	1.985	3.20	0.83	29.00	11.26
	1712	367	1.962	3.85	0.82	27.09	9.90
	1713	367	2.025	4.27	0.97	34.27	8.35
	1714	367	2.070	2.31	0.92	29.59	13.54
	1715	367	1.903	4.75	0.89	29.37	5.49
	1716	367	1.926	3.12	0.94	24.35	12.73
	1717	367	1.907	7.44	0.91	28.14	12.62
	1718	367	1.792	3.16	0.69	26.86	5.97
	1719	367	2.049	5.04	0.98	28.59	8.76
E5F	1720	367	1.858	5.10	1.19	31.67	7.10
	1801	366	1.851	3.80	1.11	31.55	7.06
	1803	366	1.826	9.20	0.97	28.88	6.43
	1804	366	2.072	2.16	0.64	22.56	6.43
	1805	366	1.920	5.62	0.74	26.71	9.47
	1806	366	1.855	3.15	1.16	26.98	10.32
	1807	366	1.832	2.52	1.09	29.44	9.52
	1808	366	1.818	2.83	1.42	25.17	4.53
	1810	366	2.011	2.26	0.80	23.97	9.98
	1811	367	2.024	1.92	1.40	29.71	8.86
	1812	367	1.951	6.22	0.80	29.18	8.77
	1813	367	1.935	1.94	1.02	31.26	7.45
	1814	367	1.901	3.38	0.74	27.75	8.24
	1815	367	2.034	6.52	0.86	27.93	5.56
	1816	367	1.944	2.63	0.65	27.11	3.59
	1817	367	1.902	2.59	0.80	23.17	4.63
	1818	367	1.843	2.69	0.95	28.31	7.82

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Absolute		Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus
	Animal ID	Day					
E5F	1819	367	1.807	2.89	1.11	27.65	24.46
	1820	367	2.061	2.56	0.95	27.11	20.29

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal		Absolute		
	ID	Day	Brain Weight	Thyroid Glands	Uterus
CF	1101	366	2.004	1.68	46.21
	1102	366	2.159	1.58	46.20
	1103	366	1.847	1.84	57.13
	1104	366	1.954	1.53	39.04
	1105	366	2.026	1.45	53.78
	1106	366	2.013	1.15	43.83
	1107	366	1.938	1.70	39.28
	1108	366	1.936	2.01	41.85
	1109	366	1.913	1.66	29.50
	1110	366	1.990	1.83	56.29
	1111	367	2.118	1.61	33.02
	1112	367	1.873	1.40	54.34
	1113	367	1.954	1.10	35.96
	1114	367	1.986	1.45	45.50
	1115	367	2.103	1.30	34.90
	1116	367	1.860	1.84	40.62
	1117	367	2.033	1.46	37.67
	1118	367	1.815	2.22	50.52
	1119	367	1.816	1.80	26.84
	1120	367	1.763	1.13	55.03
B0.2F	1301	366	1.847	1.56	25.13
	1302	366	1.954	1.35	46.93
	1303	366	1.897	1.31	44.73
	1304	366	1.879	1.46	55.27
	1305	366	1.853	2.26	56.67
	1306	366	1.952	1.66	34.30
	1307	366	1.929	1.19	93.01

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute		
			Brain Weight	Thyroid Glands	Uterus
B0.2F	1308	366	1.905	1.50	74.05
	1309	366	1.946	2.05	33.84
	1310	366	1.885	1.42	131.58
	1311	367	2.035	1.68	47.54
	1312	367	2.141	1.34	42.03
	1313	367	1.958	1.57	51.16
	1314	367	2.049	2.07	55.46
	1315	367	2.027	1.27	35.85
	1316	367	1.818	1.64	44.34
	1317	367	1.811	1.40	64.12
	1318	367	1.848	1.84	58.32
	1319	367	1.949	1.56	41.90
	1320	367	2.071	1.67	54.02
B2F	1401	366	1.927	1.40	41.24
	1402	366	1.945	1.39	56.50
	1403	366	1.977	1.58	83.19
	1404	366	1.890	1.67	49.77
	1405	366	1.847	1.09	45.29
	1406	366	1.871	1.83	65.51
	1407	366	2.038	1.88	62.42
	1408	366	2.085	1.63	62.46
	1409	366	1.967	1.47	45.04
	1410	366	1.856	1.39	60.86
	1411	367	1.892	1.53	81.04
	1412	367	2.146	1.42	87.05
	1413	367	1.921	1.30	48.55
	1414	367	2.070	1.06	49.45

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute		
			Brain Weight	Thyroid Glands	Uterus
B2F	1415	367	1.937	1.61	48.65
	1416	367	2.086	1.47	54.35
	1417	367	1.882	2.14	46.25
	1418	367	1.916	1.47	44.34
	1419	367	1.933	1.89	54.44
	1420	367	1.720	0.84	36.61
B5F	1501	366	1.878	1.54	49.82
	1502	366	1.747	1.23	42.03
	1503	366	2.013	1.42	23.43
	1504	366	2.020	1.39	62.67
	1505	366	1.829	1.07	34.10
	1506	366	1.955	1.26	40.18
	1507	366	1.790	1.65	45.40
	1508	366	1.745	1.47	31.69
	1509	366	1.880	1.54	28.77
	1510	366	1.905	0.82	70.99
	1511	367	1.863	0.98	51.23
	1512	367	1.979	1.20	46.53
	1513	367	1.822	1.50	47.72
	1514	367	1.957	0.97	61.94
	1515	367	1.998	1.06	40.34
E0.2F	1517	367	1.926	1.27	30.40
	1518	367	1.931	1.32	46.64
	1519	367	1.908	1.58	65.79
	1520	367	1.884	1.73	75.92
	1601	366	1.892	1.71	35.94
	1602	366	1.960	1.21	45.94

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute		
			Brain Weight	Thyroid Glands	Uterus
E0.2F	1603	366	1.973	1.59	41.11
	1604	366	1.861	1.92	42.56
	1605	366	1.995	1.99	69.90
	1606	366	1.910	1.64	62.63
	1607	366	2.084	2.12	61.42
	1608	366	2.001	1.53	39.85
	1609	366	1.899	1.94	58.71
	1610	366	1.834	1.68	26.29
	1611	367	1.867	1.34	34.25
	1612	367	1.899	0.94	37.91
	1613	367	1.986	1.56	36.29
	1614	367	1.807	1.76	46.31
	1615	367	1.910	1.62	42.36
	1616	367	1.944	1.41	38.46
	1617	367	1.745	1.31	47.25
E2F	1618	367	1.791	1.22	72.90
	1619	367	2.057	1.72	51.43
	1620	367	1.805	1.57	46.51
	1701	366	2.071	1.84	69.66
	1702	366	2.065	1.03	60.28
	1703	366	1.835	1.43	55.59
	1704	366	1.927	1.19	43.85
	1705	366	1.926	1.41	46.45
	1706	366	2.077	1.91	59.43
	1707	366	1.955	1.36	32.98
	1708	366	2.021	1.55	48.95
	1709	366	1.941	1.74	41.03

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Absolute				
	Animal ID	Day	Brain Weight	Thyroid Glands	Uterus
E2F	1710	366	2.005	1.67	31.70
	1711	367	1.985	4.48	56.97
	1712	367	1.962	1.14	208.59
	1713	367	2.025	1.36	41.11
	1714	367	2.070	1.59	63.95
	1715	367	1.903	1.08	49.25
	1716	367	1.926	1.39	57.09
	1717	367	1.907	1.34	53.94
	1718	367	1.792	1.02	84.77
	1719	367	2.049	1.48	39.95
E5F	1720	367	1.858	0.88	52.17
	1801	366	1.851	1.36	65.65
	1803	366	1.826	2.02	517.75
	1804	366	2.072	1.30	30.15
	1805	366	1.920	1.52	25.26
	1806	366	1.855	1.69	24.58
	1807	366	1.832	1.74	36.38
	1808	366	1.818	1.69	41.02
	1810	366	2.011	1.30	40.54
	1811	367	2.024	1.45	76.29
	1812	367	1.951	1.00	57.88
	1813	367	1.935	1.34	144.07
	1814	367	1.901	1.35	93.85
	1815	367	2.034	1.62	34.75
	1816	367	1.944	1.04	21.93
	1817	367	1.902	1.31	32.57
	1818	367	1.843	1.42	45.96

Table E-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute		
			Brain Weight	Thyroid Glands	Uterus
E5F	1819	367	1.807	1.51	42.70
	1820	367	2.061	1.73	36.09

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 101	Group CM	
Day of Death: 365	Terminal Body Weight: 415.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 102	Group CM	
Day of Death: 365	Terminal Body Weight: 439.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal. Hydronephrosis, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 103	Group CM	
Day of Death: 365	Terminal Body Weight: 387.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 104	Group CM	
Day of Death: 365	Terminal Body Weight: 505.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 105	Group CM	
Day of Death: 365	Terminal Body Weight: 612.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 106	Group CM	
Day of Death: 365	Terminal Body Weight: 468.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 107	Group CM	
Day of Death: 365	Terminal Body Weight: 506.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 108	Group CM	
Day of Death: 365	Terminal Body Weight: 496.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 109	Group CM	
Day of Death: 365	Terminal Body Weight: 462.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Hyperplasia, cortex, minimal.
Heart	No gross observed on tissue.	Cardiomyopathy, mild.
Nose/Turbinates	No gross observed on tissue.	Inflammation, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Testis	No gross observed on tissue.	Atrophy, bilateral, moderate.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 110	Group CM	
Day of Death: 365	Terminal Body Weight: 485.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 111	Group CM	
Day of Death: 366	Terminal Body Weight: 531.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Hyperplasia, bile duct, minimal.
Skin	Nodule, dorsal, pale, G1/ 5x5x2 mm.	M-carcinoma, sebaceous gland, definitely incidental. Note: G1 = carcinoma, sebaceous gland.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 112	Group CM	
Day of Death: 366	Terminal Body Weight: 472.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 113	Group CM	
Day of Death: 366	Terminal Body Weight: 519.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 114	Group CM	
Day of Death: 366	Terminal Body Weight: 479.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Hyperplasia, bile duct, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 115	Group CM	
Day of Death: 366	Terminal Body Weight: 488.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 116	Group CM
Day of Death: 366	Terminal Body Weight: 451.2 g
Tissue	Gross Observation(s)
Heart	No gross observed on tissue.

Microscopic Observation(s)

Cardiomyopathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 117	Group CM	
Day of Death: 366	Terminal Body Weight: 521.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 118	Group CM	
Day of Death: 366	Terminal Body Weight: 459.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 119	Group CM	
Day of Death: 366	Terminal Body Weight: 506.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 120	Group CM	
Day of Death: 366	Terminal Body Weight: 452.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 309	Group: B0.2M	
Day of Death: 365	Terminal Body Weight: 457.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Thymus	Small, G1/ 0.5x.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 311	Group: B0.2M	
Day of Death: 366	Terminal Body Weight: 421.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Crust(s), pedal (foot), dark, bilateral, G1/ 4x4 mm, rear foot.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 312	Group: B0.2M	
Day of Death: 366	Terminal Body Weight: 522.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Crust(s), pedal (foot), brown, G1/ 3x3 mm, rear foot.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 314	Group: B0.2M	
Day of Death: 366	Terminal Body Weight: 433.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Nodule, pedal (foot), pale, left, G1/ left rear foot, 2x2x1 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 405	Group: B2M	
Day of Death: 365	Terminal Body Weight: 415.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Thymus	Small, G1/ 0.5x.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 501	Group: B5M	
Day of Death: 365	Terminal Body Weight: 440.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Hyperplasia, cortex, minimal.
Testis	Small, left, G1/ 0.5x.	Atrophy, unilateral, moderate. Note: G1 = atrophy.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 502	Group: B5M	
Day of Death: 365	Terminal Body Weight: 488.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 503	Group: B5M	
Day of Death: 365	Terminal Body Weight: 364.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 504	Group: B5M	
Day of Death: 142	Terminal Body Weight: 392.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Bone	Hemorrhage, cranium, G1/ 20x15 mm; hemorrhage noted on floor of cranial (cranium) cavity.	Hemorrhage, mild. Note: G1 = hemorrhage (floor of cranial cavity, slide 4).
Brain	No gross observed on tissue.	Hemorrhage, minimal.
Eye	No gross observed on tissue.	Tissue is unremarkable. Note: one eye = missing.
Harderian Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one harderian gland = missing. Malignant schwannoma (skeletal muscle, peripharyngeal) invasive into harderian gland.
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Kidney	Dilatation, right, G2/ 15x8x8 mm.	Hydronephrosis, mild. Note: G2 = hydronephrosis.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Pharynx	No gross observed on tissue.	Tissue is missing.
Salivary Gland	No gross observed on tissue.	Tissue is missing.
Skeletal Muscle	No gross observed on tissue.	M-malignant schwannoma, definitely incidental. Note: malignant schwannoma location = within peripharyngeal skeletal muscle.
Thymus	No gross observed on tissue.	Tissue is missing.
Thyroid Gland	No gross observed on tissue.	Tissue is missing.
Tongue	No gross observed on tissue.	Tissue is missing.
Zymbal's Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Cecum; Colon; Duodenum; Epididymis; Esophagus; Femur; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Pituitary Gland; Preputial Gland; Prostate; Rectum; Sciatic Nerve; Seminal Vesicle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Trachea; Urinary Bladder.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 505	Group: B5M	
Day of Death: 365	Terminal Body Weight: 403.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Hypertrophy, cortex, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 506	Group: B5M	
Day of Death: 365	Terminal Body Weight: 498.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Focus, clear cell, present.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 507	Group: B5M	
Day of Death: 365	Terminal Body Weight: 412.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Pancreas	No gross observed on tissue.	Atrophy, acinar cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 508	Group: B5M	
Day of Death: 365	Terminal Body Weight: 469.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 509	Group: B5M	
Day of Death: 365	Terminal Body Weight: 470.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Liver	No gross observed on tissue.	Hyperplasia, bile duct, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 510	Group: B5M	
Day of Death: 365	Terminal Body Weight: 500.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 511	Group: B5M	
Day of Death: 366	Terminal Body Weight: 454.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Preputial Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one preputial gland = missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 512	Group: B5M	
Day of Death: 366	Terminal Body Weight: 433.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, moderate.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 513	Group: B5M	
Day of Death: 366	Terminal Body Weight: 373.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Hypertrophy, cortex, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 514	Group: B5M	
Day of Death: 366	Terminal Body Weight: 482.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 515	Group: B5M	
Day of Death: 366	Terminal Body Weight: 425.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	Focus, right, tan, G1/ 1x1 mm.	Nephropathy, mild. Note: G1 = nephropathy.

Parathyroid No gross observed on tissue.

Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 516	Group: B5M	
Day of Death: 366	Terminal Body Weight: 400.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 517	Group: B5M	
Day of Death: 366	Terminal Body Weight: 323.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Hypertrophy, cortex, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 518	Group: B5M	
Day of Death: 366	Terminal Body Weight: 414.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 519	Group: B5M	
Day of Death: 366	Terminal Body Weight: 513.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 520	Group: B5M	
Day of Death: 366	Terminal Body Weight: 401.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 603	Group: E0.2M	
Day of Death: 365	Terminal Body Weight: 511.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Discoloration(s), pedal (foot), red, G1/ 3x2 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 604	Group: E0.2M	
Day of Death: 365	Terminal Body Weight: 488.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	Discoloration(s), diffuse, red, G1.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 605	Group: E0.2M	
Day of Death: 365	Terminal Body Weight: 460.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	Discoloration(s), diffuse, red, G2.	Tissue not examined microscopically.
Skin	Crust(s), pedal (foot), dark, bilateral, G1/ 7x7 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 612	Group: E0.2M	
Day of Death: 366	Terminal Body Weight: 512.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Nodule, labial (lip), pale, G1/ 2x2x2 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 615	Group: E0.2M	
Day of Death: 366	Terminal Body Weight: 415.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	Hdn, median lobe, G1/ 10x6x4 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 712	Group: E2M	
Day of Death: 366	Terminal Body Weight: 425.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Crust(s), pedal (foot), brown, right, G1/ 3x2 mm, rear foot.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 716	Group: E2M	
Day of Death: 366	Terminal Body Weight: 434.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Testis	Discoloration(s), left, mottled, G1.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 801	Group: E5M	
Day of Death: 365	Terminal Body Weight: 419.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	Small, right, G1/ 0.5x.	Tissue is unremarkable. Note: G1 = ncl (no corresponding lesion).
Pancreas	No gross observed on tissue.	Atrophy, acinar cell, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Zymbal's Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 802	Group: E5M	
Day of Death: 365	Terminal Body Weight: 378.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 803	Group: E5M	
Day of Death: 365	Terminal Body Weight: 465.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 804	Group: E5M	
Day of Death: 365	Terminal Body Weight: 544.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, mild.
Liver	No gross observed on tissue.	Hyperplasia, bile duct, minimal. Inflammation, minimal.
Testis	Small, bilateral, G1/ 0.5x.	Atrophy, bilateral, moderate. Note: G1 = atrophy.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 805	Group: E5M	
Day of Death: 365	Terminal Body Weight: 441.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Hypertrophy, cortex, minimal.
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 806	Group: E5M	
Day of Death: 365	Terminal Body Weight: 378.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 807	Group: E5M	
Day of Death: 365	Terminal Body Weight: 385.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 808	Group: E5M	
Day of Death: 365	Terminal Body Weight: 506.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Hypertrophy, cortex, minimal.
Jejunum	No gross observed on tissue.	Ulcer, moderate. Inflammation, moderate. Note: inflammation extends to serosal surface.
Mammary Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 809	Group: E5M	
Day of Death: 365	Terminal Body Weight: 377.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 810	Group: E5M	
Day of Death: 365	Terminal Body Weight: 402.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Testis	No gross observed on tissue.	Atrophy, bilateral, moderate.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 811	Group: E5M	
Day of Death: 366	Terminal Body Weight: 478.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 812	Group: E5M	
Day of Death: 366	Terminal Body Weight: 457.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 813	Group: E5M	
Day of Death: 366	Terminal Body Weight: 444.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 814	Group: E5M	
Day of Death: 366	Terminal Body Weight: 456.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lymph Node, Mesenteric	Enlarged, dark, G1/ 3x.	M-hemangiosarcoma, definitely incidental. Note: G1 = hemangiosarcoma.

Mammary Gland No gross observed on tissue.

Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 815	Group: E5M	
Day of Death: 366	Terminal Body Weight: 557.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Inflammation, mild.
Skin	Ulcer, dorsal, dark, G1/ 5x5x2 mm.	Epidermal ulceration, moderate. Note: G1 = ulcer.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 816	Group: E5M	
Day of Death: 366	Terminal Body Weight: 486.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 817	Group: E5M	
Day of Death: 366	Terminal Body Weight: 443.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 818	Group: E5M	
Day of Death: 366	Terminal Body Weight: 457.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 819	Group: E5M	
Day of Death: 366	Terminal Body Weight: 404.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-7. Individual Gross and Microscopic Observations – Males

Animal ID: 820	Group: E5M	
Day of Death: 366	Terminal Body Weight: 443.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Testis	No gross observed on tissue.	Atrophy, bilateral, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinate; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1101	Group: CF	
Day of Death: 366	Terminal Body Weight: 240.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	Hdn, median lobe, G1/ 10x8x4 mm.	B-adenoma, biliary, definitely incidental. Note: G1 = biliary adenoma.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1102	Group: CF	
Day of Death: 366	Terminal Body Weight: 286.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1103	Group: CF	
Day of Death: 366	Terminal Body Weight: 264.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Stromal polyp, present.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1104	Group: CF	
Day of Death: 366	Terminal Body Weight: 261.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1105	Group: CF	
Day of Death: 366	Terminal Body Weight: 270.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Ovary	Cyst(s), right, clear, G1/ 30x20x20 mm.	Cyst(s), present. Note: G1 = cyst.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1106	Group: CF	
Day of Death: 366	Terminal Body Weight: 247.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Angiectasis, cortex, minimal.
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.
Salivary Gland	No gross observed on tissue.	Inflammation, minimal. Atrophy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1107	Group: CF	
Day of Death: 366	Terminal Body Weight: 274.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Pancreas	No gross observed on tissue.	Atrophy, acinar cell, minimal.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, minimal.
Stomach	Nodule, glandular, pale, G1/ 3x3x1 mm.	Mucosal cyst, non-glandular stomach, present. Note: G1 = mucosal cyst.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Parathyroid; Pharynx; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1108	Group: CF	
Day of Death: 366	Terminal Body Weight: 252.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1109	Group: CF	
Day of Death: 366	Terminal Body Weight: 221.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Tongue	No gross observed on tissue.	Inflammation, chronic, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1110	Group: CF	
Day of Death: 366	Terminal Body Weight: 280.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Rectum	No gross observed on tissue.	Metazoan parasites, present.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1111	Group: CF	
Day of Death: 367	Terminal Body Weight: 293.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1112	Group: CF	
Day of Death: 367	Terminal Body Weight: 281.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Thyroid Gland	No gross observed on tissue.	Hyperplasia, follicular cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1113	Group: CF	
Day of Death: 367	Terminal Body Weight: 237.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1114	Group: CF	
Day of Death: 367	Terminal Body Weight: 286.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Inflammation, minimal.
Ovary	Cyst(s), bilateral, clear, G1/ 8x8x8 mm.	Tissue is unremarkable. Note: G1 = ncl.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1115	Group: CF	
Day of Death: 367	Terminal Body Weight: 269.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1116	Group: CF	
Day of Death: 367	Terminal Body Weight: 212.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.
Uterus	No gross observed on tissue.	Endometrial hyperplasia, cystic, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1117	Group: CF	
Day of Death: 367	Terminal Body Weight: 289.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1118	Group: CF	
Day of Death: 367	Terminal Body Weight: 299.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Angiectasis, cortex, mild.
Ovary	Cyst(s), right, clear, G1/ 20x20x20 mm.	Cyst(s), present. Note: G1 = cyst.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1119	Group: CF	
Day of Death: 367	Terminal Body Weight: 336.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1120	Group: CF	
Day of Death: 367	Terminal Body Weight: 220.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Endometrial hyperplasia, cystic, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1301	Group: B0.2F	
Day of Death: 366	Terminal Body Weight: 264.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	Dilatation, pelvis, G2/ 3x.	Tissue not examined microscopically.
Ureter	Calculus, lumen, one, dark, G3/ 5x2x2 mm.	
Urinary Bladder	Calculus, lumen, one, G1/ 2x2x2 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1310	Group: B0.2F	
Day of Death: 366	Terminal Body Weight: 254.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	Mass, cervix, tan, G1/ 12x10x8 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1311	Group: B0.2F	
Day of Death: 367	Terminal Body Weight: 254.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	Cyst(s), bilateral, clear, G1/ 8x8x8 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1313	Group: B0.2F	
Day of Death: 367	Terminal Body Weight: 244.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	Cyst(s), right, clear, G1/ 10x10x10 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1411	Group: B2F	
Day of Death: 367	Terminal Body Weight: 233.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	Enlarged, cervix, pale, G1/ 2x.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1419	Group: B2F	
Day of Death: 367	Terminal Body Weight: 239.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Pituitary Gland	Focus, dark, G1/ 4x3 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1501	Group: B5F	
Day of Death: 366	Terminal Body Weight: 188.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1502	Group: B5F	
Day of Death: 366	Terminal Body Weight: 187.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Pancreas	No gross observed on tissue.	Atrophy, acinar cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1503	Group: B5F	
Day of Death: 366	Terminal Body Weight: 275.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Pituitary Gland	Focus, dark, G1/ 3x2 mm.	B-adenoma, pars distalis, definitely incidental. Note: G1 = adenoma, pars distalis.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1504	Group: B5F	
Day of Death: 366	Terminal Body Weight: 251.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	Cyst(s), bilateral, clear, G2/ 8x8x8 mm.	Cyst(s), present. Note: G2 = cyst.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Skin	Nodule, dorsal, red, G1/ 5x4x2 mm.	B-adenoma, sebaceous gland, definitely incidental. Note: G1 = sebaceous gland adenoma.
Thyroid Gland	No gross observed on tissue.	Hyperplasia, c-cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1505	Group: B5F	
Day of Death: 366	Terminal Body Weight: 205.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Endometrial hyperplasia, cystic, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1506	Group: B5F	
Day of Death: 366	Terminal Body Weight: 201.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1507	Group: B5F	
Day of Death: 366	Terminal Body Weight: 211.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1508	Group: B5F	
Day of Death: 366	Terminal Body Weight: 188.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1509	Group: B5F	
Day of Death: 366	Terminal Body Weight: 205.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Pharynx; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1510	Group: B5F	
Day of Death: 366	Terminal Body Weight: 198.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.
Uterus	No gross observed on tissue.	Endometrial hyperplasia, cystic, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1511	Group: B5F	
Day of Death: 367	Terminal Body Weight: 197.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1512	Group: B5F	
Day of Death: 367	Terminal Body Weight: 205.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1513	Group: B5F	
Day of Death: 367	Terminal Body Weight: 212.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1514	Group: B5F	
Day of Death: 367	Terminal Body Weight: 248.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	B-adenoma, definitely incidental.
Uterus	No gross observed on tissue.	Endometrial hyperplasia, cystic, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1515	Group: B5F	
Day of Death: 367	Terminal Body Weight: 203.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1516	Group: B5F	
Day of Death: 297	Terminal Body Weight: 231.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	Cyst(s), bilateral, clear, G1/ 10 mm.	Cyst(s), present. Note: G1 = cyst(s).

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1517	Group: B5F	
Day of Death: 367	Terminal Body Weight: 216.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1518	Group: B5F	
Day of Death: 367	Terminal Body Weight: 220.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1519	Group: B5F	
Day of Death: 367	Terminal Body Weight: 221.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1520	Group: B5F	
Day of Death: 367	Terminal Body Weight: 230.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Pituitary Gland	Focus, dark, G1/ 1x1 mm.	Hyperplasia, pars distalis, mild. Note: G1 = hyperplasia, pars distalis.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1612	Group: E0.2F	
Day of Death: 367	Terminal Body Weight: 231.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	Dilatation, horn, pink, right, G1/ 6x6x6 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1614	Group: E0.2F	
Day of Death: 367	Terminal Body Weight: 251.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	Enlarged, left, dark, G1/ 12x10x10 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1618	Group: E0.2F	
Day of Death: 367	Terminal Body Weight: 211.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	Dilatation, horn, pink, bilateral, G1/ 8x8x8 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1703	Group: E2F	
Day of Death: 366	Terminal Body Weight: 223.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	Cyst(s), right, dark, G1/ 1x1 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1711	Group: E2F	
Day of Death: 367	Terminal Body Weight: 265.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Thyroid Gland	Enlarged, right, tan, G1/ 3x.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1712	Group: E2F	
Day of Death: 367	Terminal Body Weight: 237.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Sternum	Mass, tan, G2/ 10x5x5 mm.	Tissue not examined microscopically.
Uterus	Dilatation, horn, pink, bilateral, G1/ 9x9x9 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1714	Group: E2F	
Day of Death: 367	Terminal Body Weight: 288.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Discoloration(s), caudal (tail), tan, G1/ 12x5 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1718	Group: E2F	
Day of Death: 367	Terminal Body Weight: 206.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	Dilatation, horn, pink, bilateral, G1/ 7x7x7 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1720	Group: E2F	
Day of Death: 367	Terminal Body Weight: 226.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Pituitary Gland	Focus, dark, G1/ 3x3 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1801	Group: E5F	
Day of Death: 366	Terminal Body Weight: 219.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1802	Group: E5F	
Day of Death: 351	Terminal Body Weight: 365.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Focus, mixed cell, present. Focus, basophilic cell, present.
Mammary Gland	Mass, thoracic, G1/ 80 x 70 x 40 mm.	B-adenoma, definitely incidental. Note: G1 = adenoma.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1803	Group: E5F	
Day of Death: 366	Terminal Body Weight: 240.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Hyperplasia, bile duct, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Ovary	Cyst(s), left, clear, G1/ 10x10x10 mm.	Cyst(s), present. Note: G1 = cyst.
Uterus	Dilatation, horn, dark, bilateral, G2/ 8x8x8 mm.	Endometrial hyperplasia, cystic, marked. Note: G2 = cystic endometrial hyperplasia (ceh).

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1804	Group: E5F	
Day of Death: 366	Terminal Body Weight: 227.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1805	Group: E5F	
Day of Death: 366	Terminal Body Weight: 254.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1806	Group: E5F	
Day of Death: 366	Terminal Body Weight: 201.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Liver	No gross observed on tissue.	Inflammation, minimal.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1807	Group: E5F	
Day of Death: 366	Terminal Body Weight: 204.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Pharynx; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1808	Group: E5F	
Day of Death: 366	Terminal Body Weight: 186.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	Cyst(s), right, clear, G1/ 10x8x8 mm.	Tissue is unremarkable.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1809 Day of Death: 353	Group: E5F Terminal Body Weight: 208.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	Mass, cervix, pale, G2/ 35x25x25 mm.	M-stromal sarcoma, definitely incidental. Note: G2 = stromal sarcoma (of cervix).
Vagina	Prolapse, G1.	Prolapse, present. Note: G1 = prolapse (to include stromal sarcoma of cervix).

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1810	Group: E5F	
Day of Death: 366	Terminal Body Weight: 217.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1811	Group: E5F	
Day of Death: 367	Terminal Body Weight: 247.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Stromal polyp, present.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1812	Group: E5F	
Day of Death: 367	Terminal Body Weight: 228.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	Cyst(s), bilateral, clear, G1/ 15x15x15 mm.	Cyst(s), present. Note: G1 = cysts (bilateral).

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1813	Group: E5F	
Day of Death: 367	Terminal Body Weight: 223.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Focus, basophilic cell, present.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Uterus	Mass, cervix, tan, G1/ 15x12x10 mm.	M-stromal sarcoma, definitely incidental. Note: G1 = stromal sarcoma.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1814	Group: E5F	
Day of Death: 367	Terminal Body Weight: 203.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Endometrial hyperplasia, cystic, moderate.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1815	Group: E5F	
Day of Death: 367	Terminal Body Weight: 251.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1816	Group: E5F	
Day of Death: 367	Terminal Body Weight: 216.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1817	Group: E5F	
Day of Death: 367	Terminal Body Weight: 189.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1818	Group: E5F	
Day of Death: 367	Terminal Body Weight: 213.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1819	Group: E5F	
Day of Death: 367	Terminal Body Weight: 212.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

Table E-8. Individual Gross and Microscopic Observations – Females

Animal ID: 1820	Group: E5F	
Day of Death: 367	Terminal Body Weight: 227.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Mucosa; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland.

**APPENDIX F: CLINICAL PATHOLOGY AND
ANATOMIC PATHOLOGY NARRATIVES**

**CLINICAL PATHOLOGY NARRATIVE****2-YEAR CHRONIC TOXICITY/CARCINOGENICITY
STUDY OF TOBACCO BLEND AND AQUEOUS TOBACCO
EXTRACT IN WISTAR HAN RATS**

Battelle Study No. CN49730G

December 28, 2010

Prepared By:

Michael J. Ryan, D.V.M., Ph.D., D.A.B.T.
Diplomate, A.C.V.P.
Study Pathologist

Date

12/28/10

Approved By:

Sam J. Harbo, D.V.M.
Diplomate, A.C.V.P.
Technical Review

12-28-10

Date

BATTELLE
Columbus Operations
505 King Avenue
Columbus, Ohio 43201-2696

1.0 COAGULATION (PROTHROMBIN TIMES)

None of the prothrombin time results indicated any effects due to tobacco blend or aqueous tobacco extract.

2.0 HEMATOLOGY

The high-dose tobacco blend (B5F) females had decreases in the mean red blood cell count, hemoglobin concentration, and hematocrit of 7.5, 5.9, and 6.8 percent, respectively, when compared with female controls. These same three parameters were decreased by 5.1, 5.3, and 5.5 percent, respectively, in the high-dose aqueous tobacco extract (E5F) females when compared to the female controls. The mean red blood cell counts of the low- and mid-dose aqueous tobacco extract (E0.2F and E2F) females were each decreased by 4.7 and 4.3 percent, respectively, when compared to the female controls. All of the above findings were statistically significant and interpreted to be due to treatment with tobacco blend and aqueous tobacco extract.

No other hematology results indicated any effects due to tobacco blend or aqueous extract.

3.0 CLINICAL CHEMISTRY

Increased mean serum phosphorus was noted with statistical significance in the high-dose tobacco blend (B5M) males (16.2 percent) and females (40.4 percent), the mid-dose aqueous tobacco extract (E2F) females (28.8 percent) and the high-dose tobacco extract (E5F) females (34.6 percent), when compared with the same sex controls. The remaining treated groups, with the exception of the low-dose (E0.2M) aqueous extract males, also had increased (although not statistically significant) mean serum phosphorus compared with same-sex controls. The increase in phosphorus was interpreted to be due to tobacco blend or aqueous tobacco extract administration.

Statistically significant increases in mean blood urea nitrogen, compared with same-sex controls, were noted in the mid- (B2M, B2F) and high- (B5M, B5F) dose tobacco blend males and females, the mid-dose aqueous tobacco extract (E2M, E2F) males and females, and the high-dose aqueous tobacco extract (E5M, E5F) males and females. The magnitudes of these changes varied from approximately 17 to 43 percent over controls. These increases were interpreted to be due to tobacco blend or aqueous tobacco extract administration.

Mean serum cholesterol was increased in the high-dose tobacco blend (B5F) females and the high-dose aqueous tobacco extract (E5F) females (15.7 and 22.9 percent, respectively), compared to the female controls. Although the increase in cholesterol was only statistically significant in high-dose aqueous tobacco extract (E5F) females,

the increased serum cholesterol results from both groups (B5F, E5F) were interpreted to be due to tobacco blend or aqueous tobacco extract administration.

4.0 URINALYSIS

The difference between control rats and those treated with tobacco blend or aqueous tobacco extract were small, including the statistically significant increase in the arithmetic mean of urine pH (compared with female controls) found in the low-dose aqueous tobacco extract (E0.2F) females. Thus, these differences from control were interpreted to be unrelated to administration of tobacco blend or aqueous tobacco extract.

**ANATOMIC PATHOLOGY NARRATIVE****2-YEAR CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TOBACCO
BLEND AND AQUEOUS TOBACCO EXTRACT IN WISTAR HAN RATS****12-MONTH REPEATED DOSE TOXICITY STUDY**

Battelle Study No. CN49730G

December 27, 2010

Prepared By:

Anthony J. Skowronek, D.V.M., Ph.D.
Diplomate, A.C.V.P.
Study Pathologist

Date

Approved By:

Daphne Vasconcelos, D.V.M., Ph.D., D.A.B.T.
Diplomate, A.C.V.P.
Technical Review

Date

BATTELLE
Columbus Operations
505 King Avenue
Columbus, Ohio 43201-2696

1.0 INTRODUCTION

The purpose of this study was to compare toxicity of a tobacco blend, aqueous tobacco extract, and appropriate controls (diet negative control) in Wistar Han rats after 12 and 24 months of dosing. The study also determined plasma concentrations of nicotine and cotinine under various conditions of test article exposure. Groups of male and female Wistar Han rats were given either untreated feed (diet negative control) or various amounts of tobacco blend or tobacco extract, as summarized in Table 1. This narrative addresses only the comparative toxicity of tobacco blend and extract after 12 months of dosing (12-month chronic toxicity phase).

Table 1. Summary of Study Design			
Group	Target Dosage of Nicotine (mg/kg/day)	Males, Core	Females, Core
1-Control (CM, CF)	0	20	20
3-Tobacco Blend Low Dose (B0.2M, B0.2F)	0.2	20	20
4-Tobacco Blend Intermediate Dose (B2M, B2F)	2	20	20
5-Tobacco Blend High Dose (B5M, B5F)	5	20	20
6-Tobacco Extract Low Dose (E0.2M, E0.2F)	0.2	20	20
7-Tobacco Extract Intermediate Dose (E2M, E2F)	2	20	20
8-Tobacco Extract High Dose (E5M, E5F)	5	20	20

All 12-month core toxicity phase rats were necropsied (scheduled and unscheduled) and protocol-required tissues were placed in 10 percent neutral buffered formalin, with the exception of testes (preserved in Bouin's fixative then transferred to 70 percent ethanol) and eyes (preserved in Davidson's fixative then transferred to 10 percent neutral buffered formalin). All tissues from Groups 1, 5, 8 were processed to slides and examined microscopically by a board-certified veterinary pathologist. At scheduled necropsy, the following tissues were weighed: adrenal glands, brain, epididymides, heart, kidneys, liver, lungs, pituitary gland (post fixation), prostate (post fixation), thyroid/parathyroid gland (post fixation) seminal vesicles (post fixation), spleen, ovaries (without oviduct), testes (without epididymides), thymus, salivary glands (mandibular), and uterus (with cervix). Macroscopic (gross) and microscopic findings, when present, were recorded electronically using the PATH/TOX SYSTEM (Xybion Medical Systems Corporation). A small number of the tissues could not be successfully processed to slides for examination by the veterinary pathologist. Such tissues are listed as

“missing” in the individual animal pathology data tables. The absence of microscopic results for these tissues was not considered to affect study interpretation.

1.1 Necropsy Results

1.1.1 Gross Pathology

A few macroscopic findings were observed at necropsy, none of which were related to tobacco blend (TB) or tobacco extract (TE) administration.

1.1.2 Terminal Body Weights

The mean terminal body weights of female rats in Groups B2F, B5F, E2F, and E5F were significantly decreased when compared with the same-sex control. The mean terminal body weight of Group B5M was significantly decreased when compared with the same sex control. The decreased terminal body weights of the affected groups were ascribed to decreased feed consumption.

1.1.3 Organ Weights

Decreased absolute heart, kidney, liver, thymus, spleen and thyroid gland weights (in high dose blend and extract females) and organ-to-body weight percentages (in groups which experienced significantly decreased terminal body weight) were interpreted to be due to decreased overall body size. A number of other statistically significant differences were sporadically noted for organ weights, but were too small in magnitude to have toxicologic importance. Statistically significant organ-to-brain weight percentages did not have a microscopic correlate and were interpreted to indicate that there was a greater restriction in growth of organs other than the brain, which is usual with restricted food intake in laboratory rats. As such, these organ weight findings were not interpreted to be adverse.

1.2 Histopathology

Microscopic findings were graded semi-quantitatively using the following scale: a score of 1 (minimal) represented a barely detectable lesion unlikely to be of biological significance, a score of 2 (mild) represented a lesion likely to have minor functional significance, a score of 3 (moderate) represented a lesion likely to have clinical significance, and a score of 4 (marked) represented a lesion approaching maximal in extent for the lesion.

A few microscopic findings (non-neoplastic and neoplastic) were observed in tissues from rats in the TB and TE dose groups. All such findings were typical of spontaneous background changes observed in untreated laboratory rats^{1,2} and were interpreted to be neither toxicologically nor biologically significant. None of the

interpreted to be neither toxicologically nor biologically significant. None of the microscopic findings in this study were interpreted to be due to exposure to the tobacco blend or tobacco extract test articles.

2.0 CONCLUSIONS

Exposure of Wistar Han male and female rats to various concentrations of tobacco blend and tobacco aqueous extract by dosed feed at target levels as high as 5 mg/kg/day of nicotine for 12 months resulted in significant decrease in terminal body weights in groups given target doses of 2 or 5 mg nicotine/kg body weight/day (Groups B2F, B5F, E2F, E5F and B5M). There were no treatment related gross or microscopic findings. Changes in organ weights were secondary to decreased body weights, which were due to decreased food consumption in male and female rats.

3.0 REFERENCES

¹Son, W.C., S., D. Bell, I. Taylor, and V. Mowat. 2010. Profile of Early Occurring Spontaneous Tumors in Han Wistar Rats. *Toxicologic Pathology*, 38:292-296.

²Mitsumori K, T. Watanabe, Y. Kashida. 2001. Variability in the incidence of spontaneous tumors in CD(SD) IGS, CD (SD), F344 and Wistar Hannover Rats. In: Biological Reference Data on CD(SD) IGS Rats – 2001, Yasuyuki Maeda and Hiroyuki Inoue, editors. Best Printing Co. Ltd., Tokyo, Japan.



Date: September 17, 2010

Project Number: CN49730G

Internal Distribution:

D. Fallacara
C. James
A. Skowronek
M. Buccellato
8831 Files

To: Study File CN49730G

From: Matthew A. Buccellato

Subject: Pathology Peer Review of the 12-Month Repeated Dose Toxicity Portion of Study
CN49730G (2-Year Chronic Toxicity/Carcinogenicity Study of Tobacco Blend and
Aqueous Tobacco Extract in Wistar Han Rats)

A routine GLP peer review was conducted of the Pathology Data from study CN49730G. The purpose was to verify the accuracy, consistency, and completeness of toxicologically significant findings, as rendered by the study pathologist, Dr. Anthony Skowronek. Sections of tissues from all animals examined microscopically were available for review, along with the gross/microscopic diagnoses, interpretations, and narrative generated by the study pathologist.

As part of this review, all tissues from the following animals were examined:
101, 102, 107, 109, 111, 502, 503, 509, 512, 515, 804, 808, 814, 815, 819, 1101, 1106, 1112,
1116, 1119, 1503, 1504, 1505, 1514, 1520, 1802, 1803, 1809, 1813 and 1814.

This review confirmed the diagnoses rendered by the study pathologist. There were no substantive differences between the findings of the study pathologist and the undersigned, and I am in agreement with the results, interpretations, and conclusions presented in this report of findings.

Matthew Buccellato
Matthew A. Buccellato, D.V.M., Ph.D.
Diplomate, A.C.V.P.
Peer Review Pathologist
Battelle Columbus

9/17/10
Post-Peer Review Date

Matthew Buccellato, D.V.M., Ph.D.
Matthew A. Buccellato, D.V.M., Ph.D.
Diplomate, A.C.V.P.
Peer Review Pathologist
Battelle Columbus

12/27/10
Final Date

APPENDIX G: SEROLOGY REPORTS



The attached inventory identifies materials transferred from Battelle. These materials were transmitted on 021809 to:

MU RADIL
4011 Discovery Dr.
Columbia, MO 65201

Please return the original signed copy of this form to acknowledge receipt of the shipment.

K. Hardin 021809
Form Completed By: Date

Acknowledgement of Receipt:

Krista Hardin 2-19-09
Name Date
Customer Service Supervisor
Title

Study Number CN49730G

Room Number: 7C-074, 7C-078

Study Director: D. Fallacara

and Type of Samples: 5♂ & 5♀ rat sera

Screen: Special Profile "see Linda"

Attachment(s)

TR, QC: BAB 4-16-09

SEROLOGY CASE SERVICES ACCESSION FORM

University of Missouri Research Animal Diagnostic Laboratory

<http://www.radi.missouri.edu>SHIP SAMPLES TO: Dr. Earl Steffen, MU RADIL, 4011 Discovery Dr. Columbia, MO 65201
800-669-0825 (Toll Free)

573 882-5983 (Customer Service)

MAIL REPORT TO:NAME Katie HardinINST. / FIRM BattelleADDRESS 505 King Ave Room 7-1-20CITY Columbus ST OH ZIP 43201COUNTRY USAPhone 614-424-6328Fax 614-458-6328E-mail hardink@battelle.org**BILL TO:**INST/FIRM BattelleATTN Katie HardinADDRESS 505 King Ave

Rm: 7-1-20

CITY Columbus ST OH ZIP 43201PO Number: V103399000B31Credit Card: VISA X MasterCard Discover Card #: ON FILE EXP: /Card Holder's Name: Katie HardinCase report will be e-mailed to e-mail address provided. If you require a mailed copy, please check here. **USE A SEPARATE ACCESSION FORM FOR EACH SPECIES AND TYPE OF PROFILE/TEST(S)**SHIPPING DATE 02/18/09 TOTAL # OF SAMPLES 10 SPECIES ratPROFILE: Clinical Comprehensive Parvo Panel Basic Comprehensive Plus (mouse only)

and/or OTHER TESTS: _____

DILUTION: 1:5 UNDILUTED OTHER DILUTION _____

CLIENT ID	INVESTIGATOR	ROOM #	STRAIN	AGE	SEX	OTHER
1 <u>CN49730G-901</u>	<u>D. Fallacara</u>	<u>TC-074,078</u>			<u>♂</u>	
2 <u>902</u>						
3 <u>903</u>						
4 <u>904</u>						
5 <u>905</u>					<u>♂</u>	
6 <u>1901</u>					<u>♀</u>	
7 <u>1902</u>						
8 <u>1903</u>						
9 <u>1904</u>		<u>↓</u>			<u>↓</u>	
10 <u>CN49730G-1905</u>	<u>D. Fallacara</u>	<u>7C-074,078</u>			<u>♀</u>	

Are you aware of any potential human health hazards, including radioactivity, associated with these sera? Yes No
If yes, state nature _____

Remarks/study number/special instructions:: (This information will appear on page 1 of report)

If any positive or reactive in any assay appears, even if the data is preliminary, please notify Dr. Tracy Peace with a verbal immediately.
Alternate contact for notification is Katie Hardin.

TR, QC: B&B 4-16-09

CN49730G



FINAL REPORT OF LABORATORY EXAMINATION
Research Animal Diagnostic Laboratory
4011 Discovery Drive, Columbia MO 65201
1-800-669-0825 1-573-882-5983
radil@missouri.edu www.radil.missouri.edu

CASE NUMBER: 7471-2009

RECEIVED ON: 2/19/2009

COMPLETED ON: 2/20/2009

SUBMITTED BY:

Katherine M. Hardin
 Battelle Memorial Institute
 505 King Ave. Room 7120
 Columbus, OH 43201
 (614) 424-6328
 [614] 458-6328 (fax)

CN49730G

SPECIMEN DESCRIPTION:

SPECIES: rat

PURCHASE ORDER #: V103399000831

DESCRIPTION: serum samples, diluted

NUMBER OF SPECIMENS: 10

FACILITY CODE: COM

ID	Client ID	Investigator	Room #	Sex
1	CN49730G-901	D. Fallacaia	7C-074, 078	M
2	CN49730G-902	D. Fallacaia	7C-074, 078	M
3	CN49730G-903	D. Fallacaia	7C-074, 078	M
4	CN49730G-904	D. Fallacaia	7C-074, 078	M
5	CN49730G-905	D. Fallacaia	7C-074, 078	M
6	CN49730G-1901	D. Fallacaia	7C-074, 078	F
7	CN49730G-1902	D. Fallacaia	7C-074, 078	F
8	CN49730G-1903	D. Fallacaia	7C-074, 078	F
9	CN49730G-1904	D. Fallacaia	7C-074, 078	F
10	CN49730G-1905	D. Fallacaia	7C-074, 078	F

TESTS PERFORMED: Clinical Serology Profile - rat

Serologic evaluation for antibodies to: H1, KRV, *M. pulmonis*, Parvo NS-1, PVM, RCV/SDAV, RMV, RPV, RTV, Sendai, TMEV GDVII

SUMMARY: All test results were negative.

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at radil@missouri.edu.

Technical Review
 QC Review: BAR 4/16/09 TRP 4/2/09

Case Number: 7471-2009
 Page 2

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
<i>M. pulmonis</i>	MFI (> 2.485)	-	-	-	-	-	-	-	-	-	-
Parvo NS-1	MFI (> 4.095)	-	-	-	-	-	-	-	-	-	-
H1	MFI (> 2.940)	-	-	-	-	-	-	-	-	-	-
KRV	MFI (> 2.915)	-	-	-	-	-	-	-	-	-	-
RMV	MFI (> 1.225)	-	-	-	-	-	-	-	-	-	-
RPV	MFI (> 1.200)	-	-	-	-	-	-	-	-	-	-
PVM	MFI (> 0.325)	-	-	-	-	-	-	-	-	-	-
RCV/SDAV	MFI (> 2.610)	-	-	-	-	-	-	-	-	-	-
RTV	MFI (> 2.400)	-	-	-	-	-	-	-	-	-	-
TMEV GDVII	MFI (> 2.280)	-	-	-	-	-	-	-	-	-	-
Sendai	MFI (> 1.665)	-	-	-	-	-	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen reactor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive finding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

CN49730G



**ADDENDUM to
FINAL REPORT OF LABORATORY EXAMINATION**
Research Animal Diagnostic Laboratory
4011 Discovery Drive, Columbia MO 65201
1-800-669-0825 1-573-882-5983
radil@missouri.edu www.radil.missouri.edu

CASE NUMBER: 7471-2009

Study number not listed on report.
 For reference study associated with case
 number is CN49730G. Ku 040209

SUBMITTED BY:

Katherine M. Hardin
 Battelle Memorial Institute
 505 King Ave. Room 7120
 Columbus, OH 43201
 (614) 424-6328
 [614] 458-6328 (fax)

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
CAR bacillus	MFI (> 2.210)	-	-	-	-	-	-	-	-	-	-
<i>E. cuniculi</i>	MFI (> 1.360)	-	-	-	-	-	-	-	-	-	-
Hantaan	MFI (> 1.200)	-	-	-	-	-	-	-	-	-	-
LCM	MFI (> 0.500)	-	-	-	-	-	-	-	-	-	-
MAD 1	MFI (> 2.780)	-	-	-	-	-	-	-	-	-	-
MAD 2	MFI (> 3.000)	-	-	-	-	-	-	-	-	-	-
REO3	MFI (> 1.250)	-	-	-	-	-	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen reactor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive finding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at radil@missouri.edu.

Technical Review
 TPR 4/1/09

QC Review: BAB 4-16-09



The attached inventory identifies materials transferred from Battelle. These materials were transmitted on 040109 to:

MU RADIL
4011 Discovery Dr.
Columbia, MO 65201

Please return the original signed copy of this form to acknowledge receipt of the shipment.

K. Hardin 040109
Form Completed By: Date

Acknowledgement of Receipt:

Krista Harlow 4-2-09
Name Date
Customer Service Title

Study Number CN49730 G

Room Number: 7C - 066

Study Director: D. Fallacara

and Type of Samples: 5♂ & 5♀ rat sera

Screen: Special panel "See Linda"

Attachment(s)

TR, QC: AB 4-28-09

SEROLOGY CASE SERVICES ACCESSION FORM

University of Missouri Research Animal Diagnostic Laboratory

<http://www.radii.missouri.edu>

SHIP SAMPLES TO: Dr. Earl Steffen, MU RADIL, 4011 Discovery Dr. Columbia, MO 65201

573 884-7521 (FAX) 800-669-0825 (Toll Free) 573 882-5983 (Customer Service)

MAIL REPORT TO:NAME Katie HardinINST. / FIRM BattelleADDRESS 505 King Ave Room 7-1-20CITY Columbus ST OH ZIP 43201COUNTRY USAPhone 614-424-6328Fax 614-458-6328E-mail hardink@battelle.org**BILL TO:**INST/FIRM BattelleATTN Katie HardinADDRESS 505 King AveRm: 7-1-20CITY Columbus ST OH ZIP 43201PO Number: V103399000865Credit Card: VISA X MasterCard Discover Card #: ON FILE EXP: / Card Holder's Name: Katie HardinCase report will be e-mailed to e-mail address provided. If you require a mailed copy, please check here. **USE A SEPARATE ACCESSION FORM FOR EACH SPECIES AND TYPE OF PROFILE/TEST(S)**SHIPPING DATE May 10 09 AM TOTAL # OF SAMPLES 10 SPECIES ratPROFILE: Clinical Comprehensive Parvo Panel Basic Comprehensive Plus (mouse only)and/or OTHER TESTS: Special Panel "See Linda"DILUTION: 1:5 UNDILUTED OTHER DILUTION

CLIENT ID	INVESTIGATOR	ROOM #	STRAIN	AGE	SEX	OTHER
1 <u>CN49730G-911</u>	<u>D. Fallacara</u>	<u>TC-066</u>			<u>♂</u>	
2	<u>912</u>				<u>+</u>	
3	<u>913</u>				<u>+</u>	
4	<u>914</u>				<u>↓</u>	
5	<u>915</u>				<u>♂</u>	
6	<u>1906</u>				<u>♀</u>	
7	<u>1907</u>				<u>+</u>	
8	<u>1908</u>				<u>+</u>	
9	<u>1909</u>				<u>+</u>	
10 <u>CN49730G-1910</u>	<u>D. Fallacara</u>	<u>TC-066</u>			<u>♀</u>	

Are you aware of any potential human health hazards, including radioactivity, associated with these sera? Yes No
If yes, state nature _____

Remarks/study number/special instructions: (This information will appear on page 1 of report)

If any positive or reactive in any assay appears, even if the data is preliminary, please notify Dr. Tracy Peace with a verbal immediately.
Alternate contact for notification is Katie Hardin.

CN49730G

TR, QC: BAB 4-28-09
WN BAB 4-28-09



FINAL REPORT OF LABORATORY EXAMINATION
Research Animal Diagnostic Laboratory
4011 Discovery Drive, Columbia MO 65201
1-800-669-0825 1-573-882-5983
radil@missouri.edu **www.radil.missouri.edu**

CASE NUMBER: 9793-2009

RECEIVED ON: 4/2/2009

COMPLETED ON: 4/6/2009

SUBMITTED BY:

Katherine M. Hardin
 Battelle Memorial Institute
 505 King Ave. Room 7120
 Columbus, OH 43201
 (614) 424-6328
 [614] 458-6328 (fax)

SPECIMEN DESCRIPTION:

SPECIES: rat

PURCHASE ORDER #: V103399000865

DESCRIPTION: serum samples, diluted

NUMBER OF SPECIMENS: 10

ID	Client ID	Investigator	Room #	Sex
1	CN49730G-911	D. Fallacara	7C-066	M
2	CN49730G-912	D. Fallacara	7C-066	M
3	CN49730G-913	D. Fallacara	7C-066	M
4	CN49730G-914	D. Fallacara	7C-066	M
5	CN49730G-915	D. Fallacara	7C-066	M
6	CN49730G-1906	D. Fallacara	7C-066	F
7	CN49730G-1907	D. Fallacara	7C-066	F
8	CN49730G-1908	D. Fallacara	7C-066	F
9	CN49730G-1909	D. Fallacara	7C-066	F
10	CN49730G-1910	D. Fallacara	7C-066	F

TESTS PERFORMED: Battelle Special Rat Serology

Serologic evaluation for antibodies to: CAR bacillus, *E. cuniculi*, H1, Hantaan, KRV, LCM, MAD 1, MAD 2, *M. pulmonis*, Parvo NS-1, PVM, RCV/SDAV, REO3, RMV, RPV, RTV, Sendai, TMEV GDVII

SUMMARY: All test results were negative.

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at
 radil@missouri.edu.

Technical Review
 TRP 4/17/09

QC Review: BBS 4-28-09

CN49730G

Case Number: 9793-2009
 Page 2

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
CAR bacillus	MFI (> 3.000)	-	-	-	-	-	-	-	-	-	-
<i>E. cuniculi</i>	MFI (> 0.200)	-	-	-	-	-	-	-	-	-	-
Hantaan	MFI (> 0.100)	-	-	-	-	-	-	-	-	-	-
LCM	MFI (> 0.150)	-	-	-	-	-	-	-	-	-	-
<i>M. pulmonis</i>	MFI (> 0.830)	-	-	-	-	-	-	-	-	-	-
MAD 1	MFI (> 0.350)	-	-	-	-	-	-	-	-	-	-
MAD 2	MFI (> 1.410)	-	-	-	-	-	-	-	-	-	-
Parvo NS-1	MFI (> 2.175)	-	-	-	-	-	-	-	-	-	-
H1	MFI (> 1.200)	-	-	-	-	-	-	-	-	-	-
KRV	MFI (> 0.750)	-	-	-	-	-	-	-	-	-	-
RMV	MFI (> 0.845)	-	-	-	-	-	-	-	-	-	-
RPV	MFI (> 0.425)	-	-	-	-	-	-	-	-	-	-
PVM	MFI (> 0.475)	-	-	-	-	-	-	-	-	-	-
RCV/SDAV	MFI (> 1.440)	-	-	-	-	-	-	-	-	-	-
REO3	MFI (> 0.500)	-	-	-	-	-	-	-	-	-	-
RTV	MFI (> 0.300)	-	-	-	-	-	-	-	-	-	-
TMEV GDVII	MFI (> 0.165)	-	-	-	-	-	-	-	-	-	-
Sendai	MFI (> 0.600)	-	-	-	-	-	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen reactor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive finding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

CN49730G



The attached inventory identifies materials transferred from Battelle. These materials were transmitted on 083109 to:

MU RADIL
4011 Discovery Dr.
Columbia, MO 65201

Please return the original signed copy of this form to acknowledge receipt of the shipment.

M. Austin
Form Completed By:

083109
Date

Acknowledgement of Receipt:

Krista Harlow
Name
Customer Service
Title

9/1/09
Date

Study Number CN 497306

Room Number: 7C - 066

Study Director: D. Fallacara

and Type of Samples: 5 ♂ 5 ♀ rat sera

Screen: Special Profile (see Linda)

Attachment(s)

TR, QC, B&B 9-25-09

SEROLOGY CASE SERVICES ACCESSION FORM

University of Missouri Research Animal Diagnostic Laboratory

<http://www.radi.missouri.edu>SHIP SAMPLES TO: Dr. Earl Steffen, MU RADIL, 4011 Discovery Dr. Columbia, MO 65201
800-669-0825 (Toll Free)

573 882-5983 (Customer Service)

MAIL REPORT TO:NAME Katie HardinINST. / FIRM BattelleADDRESS 505 King Ave Room 7-1-20CITY Columbus ST OH ZIP 43201COUNTRY USAPhone 614-424-6328Fax 614-458-6328E-mail hardink@battelle.org**BILL TO:** **CARD ON FILE**INST/FIRM BattelleATTN Katie HardinADDRESS 505 King Ave

Rm: 7-1-20

CITY Columbus ST OH ZIP 43201PO Number: V103399000Credit Card: VISA X MasterCard Discover Card #: ON FILE EXP: /Card Holder's Name: Katie HardinCase report will be e-mailed to e-mail address provided. If you require a mailed copy, please check here. **USE A SEPARATE ACCESSION FORM FOR EACH SPECIES AND TYPE OF PROFILE/TEST(S)**SHIPPING DATE 083109 TOTAL # OF SAMPLES 10 SPECIES ratPROFILE: Clinical Comprehensive Parvo Panel Basic Comprehensive Plus (mouse only)and/or OTHER TESTS: Special ProfileDILUTION: 1:5 UNDILUTED OTHER DILUTION _____

CLIENT ID	INVESTIGATOR	ROOM #	STRAIN	AGE	SEX	OTHER
1 <u>CN 49730G-916</u>	<u>D. Fallacara</u>	<u>7C-066</u>			<u>♂</u>	
2 <u>917</u>						
3 <u>918</u>						
4 <u>919</u>						
5 <u>920</u>						
6 <u>912</u>						
7 <u>913</u>						
8 <u>914</u>						
9 <u>915</u>						
10 <u>CN 49730G-911</u>	<u>D. Fallacara</u>	<u>7C-066</u>			<u>♀</u>	

Are you aware of any potential human health hazards, including radioactivity, associated with these sera? Yes No
If yes, state nature _____

Remarks/study number/special instructions:: (This information will appear on page 1 of report)

If any positive or reactive in any assay appears, even if the data is preliminary, please notify Dr. Tracy Peace with a verbal immediately.
Alternate contact for notification is Katie Hardin.

TR, RC: BNB 9-25-09



FINAL REPORT OF LABORATORY EXAMINATION
Research Animal Diagnostic Laboratory
4011 Discovery Drive, Columbia MO 65201
1-800-669-0825 1-573-882-5983
radil@missouri.edu **www.radil.missouri.edu**

CASE NUMBER: 18314-2009

RECEIVED ON: 9/1/2009

COMPLETED ON: 9/2/2009

SUBMITTED BY:

Katherine M. Hardin
 Battelle Memorial Institute
 505 King Ave. Room 7120
 Columbus, OH 43201
 (614) 424-6328
 [614] 458-6328 (fax)

CN49730G

SPECIMEN DESCRIPTION:

SPECIES: rat

PURCHASE ORDER #: V103399000

DESCRIPTION: serum samples, diluted

NUMBER OF SPECIMENS: 10

ID	Client ID	Investigator	Room #	Sex
1	CN49730G-916	D. Fallacara	7C-066	M
2	CN49730G-917	D. Fallacara	7C-066	M
3	CN49730G-918	D. Fallacara	7C-066	M
4	CN49730G-919	D. Fallacara	7C-066	M
5	CN49730G-920	D. Fallacara	7C-066	M
6	CN49730G-1912	D. Fallacara	7C-066	F
7	CN49730G-1913	D. Fallacara	7C-066	F
8	CN49730G-1914	D. Fallacara	7C-066	F
9	CN49730G-1915	D. Fallacara	7C-066	F
10	CN49730G-1911	D. Fallacara	7C-066	F

SERVICES/TESTS PERFORMED: Battelle Special Rat Serology

Serologic evaluation for antibodies to: CAR bacillus, *E. cuniculi*, H1, Hantaan, KRV, LCM, MAD 1, MAD 2, *M. pulmonis*, Parvo NS-1, PVM, RCV/SDAV, RFO3, RMV, RPV, RTV, Sendai, TMEV

SUMMARY: All test results were negative.

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at radil@missouri.edu.

Technical Review

QC: JAB 9-25-09

TRP
9/15/09

Case Number: 18314-2009
 Page 2

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
CAR bacillus	MFI (> 3.000)	-	-	-	-	-	-	-	-	-	-
<i>E. cuniculi</i>	MFI (> 0.200)	-	-	-	-	-	-	-	-	-	-
Hantaan	MFI (> 0.100)	-	-	-	-	-	-	-	-	-	-
LCM	MFI (> 0.150)	-	-	-	-	-	-	-	-	-	-
<i>M. pulmonis</i>	MFI (> 0.830)	-	-	-	-	-	-	-	-	-	-
MAD 1	MFI (> 0.350)	-	-	-	-	-	-	-	-	-	-
MAD 2	MFI (> 1.410)	-	-	-	-	-	-	-	-	-	-
Parvo NS-1	MFI (> 2.175)	-	-	-	-	-	-	-	-	-	-
H1	MFI (> 1.200)	-	-	-	-	-	-	-	-	-	-
KRV	MFI (> 0.750)	-	-	-	-	-	-	-	-	-	-
RMV	MFI (> 0.845)	-	-	-	-	-	-	-	-	-	-
RPV	MFI (> 0.425)	-	-	-	-	-	-	-	-	-	-
PVM	MFI (> 0.475)	-	-	-	-	-	-	-	-	-	-
RCV/SDAV	MFI (> 1.440)	-	-	-	-	-	-	-	-	-	-
REO3	MFI (> 0.500)	-	-	-	-	-	-	-	-	-	-
RTV	MFI (> 0.300)	-	-	-	-	-	-	-	-	-	-
TMEV	MFI (> 0.165)	-	-	-	-	-	-	-	-	-	-
Sendai	MFI (> 0.800)	-	-	-	-	-	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen reactor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive finding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

CN49730 G



The attached inventory identifies materials transferred from Battelle. These materials were transmitted on 11/11/09 MA to:

MU RADIL
4011 Discovery Dr.
Columbia, MO 65201

Please return the original signed copy of this form to acknowledge receipt of the shipment.

Marietta Austin 11/11/09
Form Completed By: Date

Acknowledgement of Receipt:

Brista Harter 11/12/09
Name Date
Customer Service
Title

Study Number C N 4 9 7 3 0 6

Room Number: 7C-076 / 7C-066

Study Director: M. Hejtmancik D. Fallacara ①

and Type of Samples: 5 ♀ sera ♂ Sera

Screen: See fax dated 11/11/09 MA

Attachment(s)

① wrong name (Marietta Austin no longer works
at Battelle Columbus Operations;
so I am making the correction.)

BAB 5-14-10

TR, QC: BAB 5-14-10

SEROLOGY CASE SERVICES ACCESSION FORM

University of Missouri Research Animal Diagnostic Laboratory

<http://www.radil.missouri.edu>

SHIP SAMPLES TO: Dr. Earl Steffen, MU RADIL, 4011 Discovery Dr. Columbia, MO 65201

573 884-7521 (FAX)

800-669-0825 (Toll Free)

573 882-5983 (Customer Service)

MAIL REPORT TO:

NAME Katie Hardin M. ALLSTIN
ENTRY ERROR 1109 MAINST. / FIRM BattelleADDRESS 505 King Ave Room 7-1-20CITY Columbus ST OH ZIP 43201COUNTRY USAPhone 614-424-6328Fax 614-458-6328E-mail hardink@battelle.org

BILL TO: CARD ON FILE

INST/FIRM BattelleATTN Katie HardinADDRESS 505 King AveRm: 7-1-20CITY Columbus ST OH ZIP 43201PO Number: V103399000Credit Card: VISA X MasterCard Discover Card #: ON FILE EXP: / Card Holder's Name: Katie HardinCase report will be e-mailed to e-mail address provided. If you require a mailed copy, please check here.

USE A SEPARATE ACCESSION FORM FOR EACH SPECIES AND TYPE OF PROFILE/TEST(S)

SHIPPING DATE 11/11/09 TOTAL # OF SAMPLES 10 SPECIES ratPROFILE: Clinical Comprehensive Parvo PanelBasic Comprehensive Plus (mouse only)and/or OTHER TESTS: See faxed memo dated 11/11/09 MADILUTION: 1:5 X UNDILUTED OTHER DILUTION

CLIENT ID	INVESTIGATOR	ROOM #	STRAIN	AGE	SEX	OTHER
1 <u>CN497306-921</u>	<u>D. Fallacara^①</u>	<u>7C-076</u>			<u>M</u>	
2 <u>922</u>					<u>M</u>	
3 <u>923</u>					<u>M</u>	
4 <u>924</u>					<u>M</u>	
5 <u>925</u>		<u>7C-076</u>			<u>M</u>	
6 <u>1916</u>		<u>7C-066</u>			<u>F</u>	
7 <u>1917</u>					<u>F</u>	
8 <u>1918</u>					<u>F</u>	
9 <u>1919</u>					<u>F</u>	
10 <u>CN497306-1920</u>	<u>D. Fallacara^①</u>	<u>7C-066</u>			<u>F</u>	

Are you aware of any potential human health hazards, including radioactivity, associated with these sera? Yes No X
If yes, state nature _____

Remarks/study number/special instructions: (This information will appear on page 1 of report)

If any positive or reactive in any assay appears, even if the data is preliminary, please notify Dr. Tracy Peace with a verbal immediately.
Alternate contact for notification is Katie Hardin.

CN49730G

TR, QC: BAB 5-14-10

① wrong name - should say "M. Hejtmancik". (Marletta Austin no longer works for Battelle Columbus Operations, so I am making the correction). BAB 5-14-10



FINAL REPORT OF LABORATORY EXAMINATION
Research Animal Diagnostic Laboratory
4011 Discovery Drive, Columbia MO 65201
1-800-669-0825 1-573-882-5983
radil@missouri.edu **www.radil.missouri.edu**

CASE NUMBER: 22321-2009

RECEIVED ON: 11/12/2009

COMPLETED ON: 11/16/2009

SUBMITTED BY:

Marletta Austin
 Battelle Memorial Institute
 505 King Ave.
 Room 7-1-20
 Columbus, OH 43201
 614-424-5279
 614-424-4772 (fax)

SPECIMEN DESCRIPTION:

SPECIES: rat

PURCHASE ORDER #: V103399000

DESCRIPTION: serum samples, diluted

NUMBER OF SPECIMENS: 10

ID	Client ID	Investigator	Room #	Sex
1	CN49730G-921	D. Fallacara	7C-076	M
2	CN49730G-922	D. Fallacara	7C-076	M
3	CN49730G-923	D. Fallacara	7C-076	M
4	CN49730G-924	D. Fallacara	7C-076	M
5	CN49730G-925	D. Fallacara	7C-076	M
6	CN49730G-1916	D. Fallacara	7C-066	F
7	CN49730G-1917	D. Fallacara	7C-066	F
8	CN49730G-1918	D. Fallacara	7C-066	F
9	CN49730G-1919	D. Fallacara	7C-066	F
10	CN49730G-1920	D. Fallacara	7C-066	F

+MORE LINEOUT INFORMATION IS CORRECT (2) Not needed.
 BAB 7-21-10

SERVICES/TESTS PERFORMED Battelle Special Rat Serology

Serologic evaluation for antibodies to: CAR bacillus, *E. cuniculi*, H1, Hantaan, KRV, LCM, MAD 1, MAD 2, *M. pulmonis*, Parvo NS-1, PVM, RCV/SDAV, REO3, RMV, RPV, RTV, Sendai, TMEV

SUMMARY: All test results were negative.

(2) ignore these lineouts. The original annotation "(1)" and footnote "(1)" were correct - Milton Hejtmanek was the study director during this time period. BAB 7-21-10

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at radil@missouri.edu.

(2) wrong name - should say "M. Hejtmanek" (Marletta) Not needed. BAB 5-14-10

(2) wrong information. one 7-21-10 Not needed. BAB 7-21-10

QC: BAB 5-26-10 Technical Review Twp 5/24/10

Case Number: 22321-2009
 Page 2

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
CAR bacillus	MFI (> 3.000)	-	-	-	-	-	-	-	-	-	-
<i>Encephalitozoon cuniculi</i>	MFI (> 0.200)	-	-	-	-	-	-	-	-	-	-
Hantaan	MFI (> 0.150)	-	-	-	-	-	-	-	-	-	-
LCMV	MFI (> 0.150)	-	-	-	-	-	-	-	-	-	-
<i>Mycoplasma pulmonis</i>	MFI (> 0.830)	-	-	-	-	-	-	-	-	-	-
MAD1	MFI (> 0.350)	-	-	-	-	-	-	-	-	-	-
MAD2	MFI (> 1.410)	-	-	-	-	-	-	-	-	-	-
Parvo NS-1	MFI (> 3.280)	-	-	-	-	-	-	-	-	-	-
H1	MFI (> 1.200)	-	-	-	-	-	-	-	-	-	-
KRV	MFI (> 0.750)	-	-	-	-	-	-	-	-	-	-
RMV	MFI (> 0.845)	-	-	-	-	-	-	-	-	-	-
RPV	MFI (> 0.754)	-	-	-	-	-	-	-	-	-	-
PVM	MFI (> 0.475)	-	-	-	-	-	-	-	-	-	-
RCV/SDAV	MFI (> 1.440)	-	-	-	-	-	-	-	-	-	-
REO3	MFI (> 0.500)	-	-	-	-	-	-	-	-	-	-
RTV	MFI (> 0.300)	-	-	-	-	-	-	-	-	-	-
TMEV	MFI (> 0.165)	-	-	-	-	-	-	-	-	-	-
Sendai	MFI (> 0.800)	-	-	-	-	-	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed EQ = equivocal L = less than 10% normal IgG N = normal IgG NS = non-specific reactivity W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

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