

FINAL REPORT

Test Facility Study No. 20256434

Sponsor Reference No. RN9391R58

**A Combined Fertility and Developmental Study (Including Teratogenicity
and Postnatal Investigations) of BNT162b1, BNT162b2 and BNT162b3 by
Intramuscular Administration in the Wistar Rat**

GLP Study

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TABLE OF CONTENTS

LIST OF FIGURES	5
LIST OF TABLES	6
LIST OF APPENDICES	7
QUALITY ASSURANCE STATEMENT	8
GLP COMPLIANCE STATEMENT AND REPORT APPROVAL	9
1. RESPONSIBLE PERSONNEL.....	10
2. ABSTRACT	11
3. INTRODUCTION	13
4. MATERIALS AND METHODS	14
4.1. Test Materials.....	14
4.1.1. Test Items Characterization	14
4.1.2. Test Material Identification.....	14
4.2. Reserve Samples	15
4.3. Test Items Inventory and Disposition.....	15
4.4. Dose Dispensing and Analysis.....	15
4.4.1. Preparation of Formulations	15
4.4.2. Sample Collection and Analysis	15
4.5. Test System.....	16
4.5.1. Receipt	16
4.5.2. Justification for Test System and Number of Animals.....	16
4.5.3. Animal Identification (F0 Males and F0 Females).....	16
4.5.4. Environmental Acclimation	16
4.5.5. Selection, Assignment, Replacement, and Disposition of Animals.....	16
4.5.6. Husbandry	17
4.6. Experimental Design.....	18
4.6.1. Administration of Test Materials.....	19
4.6.2. Justification of Route and Dose	19
4.7. In-Life Procedures, Observations, and Measurements	19
4.7.1. Mortality/Moribundity Checks	19
4.7.2. Clinical Observations.....	19
4.7.3. Body Weights.....	20
4.7.4. Food Consumption.....	20
4.7.5. Estrous Cycles.....	20
4.7.6. Mating.....	20

4.8.	Pregnancy and Parturition (Littering Subgroup Females)	21
4.9.	Litter Data (Littering Subgroup Females).....	21
4.10.	Antibody Evaluation	21
4.10.1.	Antibody Sample Collection.....	21
4.10.2.	Antibody Sample Processing	22
4.10.3.	Antibody Analysis by Microneutralization CPE-Based	22
4.11.	Terminal Procedures	23
4.11.1.	Unscheduled Deaths.....	23
4.11.2.	Scheduled Euthanasia	23
4.11.3.	Necropsy	23
4.11.4.	Fetal Examination (Caesarean-Section).....	24
5.	STATISTICAL ANALYSIS	24
5.1.	Constructed Variables.....	25
5.2.	Descriptive Statistical Analyses.....	26
5.3.	Inferential Statistical Methods	26
5.4.	Parametric/Non-Parametric.....	27
5.5.	Non-Parametric	27
5.6.	Incidence	27
6.	COMPUTERIZED SYSTEMS	28
7.	RETENTION AND DISPOSITION OF RECORDS, SAMPLES, AND SPECIMENS	28
8.	RESULTS	30
8.1.	Serum Antibody Analysis	30
8.2.	Mortality	30
8.3.	Clinical Observations.....	30
8.4.	Body Weight	31
8.5.	Food Consumption.....	31
8.6.	Estrous Cycle Data.....	31
8.7.	Maternal Mating Performance and Fertility	32
8.8.	Caesarean Data.....	32
8.8.1.	Gravid Uterus Weight	32
8.8.2.	Pregnancy Incidence	32
8.8.3.	Pre-Implantation Data	33
8.8.4.	Post-Implantation Data	33
8.8.5.	Fetal Data	33

8.9.	Fetal Examinations.....	33
8.9.1.	External Observations.....	33
8.9.2.	Visceral Observations.....	34
8.9.3.	Skeletal Observations.....	34
8.10.	Delivery and Litter Data.....	34
8.10.1.	Parturition and Gestation Length.....	34
8.10.2.	Pre-Birth Loss.....	35
8.10.3.	Pup Viability and Litter Sizes.....	35
8.10.4.	Pup Clinical Observations.....	35
8.10.5.	Pup Weights.....	36
8.10.6.	Pup Physical and Functional Development.....	36
8.10.7.	Pup Necropsy Findings.....	36
8.11.	Necropsy Findings of Adult Females.....	36
9.	INTEGRATED SUMMARY AND DISCUSSION OF RESULTS.....	37
10.	CONCLUSION.....	38
11.	REFERENCES.....	39
	EXPLANATION PAGE.....	40
	FIGURES.....	45
	TABLES.....	54
	APPENDICES.....	114

LIST OF FIGURES

Figure 1	Mean Pre-Mating Body Weight of Females	46
Figure 2	Mean Gestation Body Weights	47
Figure 3	Mean Lactation Body Weights	48
Figure 4	Mean Pre-Mating Food Consumption of Females.....	49
Figure 5	Mean Gestation Food Consumption	50
Figure 6	Mean Lactation Food Consumption.....	51
Figures 7a and 7b	Mean Pup Body Weights.....	52

LIST OF TABLES

Table 1	Summary Pre-Mating Clinical Observations of Females	55
Table 2	Summary Gestation Clinical Observations	57
Table 3	Summary Lactation Clinical Observations	59
Table 4	Mean Pre-Mating Body Weight of Females	64
Table 5	Mean Pre-Mating Body Weight Change of Females	68
Table 6	Mean Gestation Body Weight.....	72
Table 7	Mean Gestation Body Weight Change	74
Table 8	Mean Lactation Body Weight	76
Table 9	Mean Lactation Body Weight Change.....	78
Table 10	Mean Pre-Mating Food Consumption of Females.....	80
Table 11	Mean Gestation Food Consumption	81
Table 12	Mean Lactation Food Consumption.....	83
Table 13	Mean Estrous Cycle Data.....	85
Table 14	Summary of Cohabitation Data and Maternal Performance.....	87
Table 15	Mean Gravid Uterus Weight and Maternal Body Weight Change.....	88
Table 16	Mean Caesarean Section Data	89
Table 17	Summary of Foetal External, Visceral and Skeletal Observations	91
Table 18	Summary of Delivery and Litter Data	100
Table 19	Mean Pup Body Weight.....	104
Table 20	Summary of Reflex and Physical Development	109
Table 21	Summary of Maternal Macroscopic Observations	110

LIST OF APPENDICES

Appendix 1	Study Plan, Last Amendment to Study Plan and Deviations.....	115
	Study Plan.....	115
	Last Amendment to Study Plan	140
	Deviations	167
Appendix 2	Certificates of Analysis.....	168
Appendix 3	Formulation Homogeneity	179
Appendix 4	Individual Mortality	187
Appendix 5	Individual Pre-Mating Clinical Observations of Females	193
Appendix 6	Individual Gestation Clinical Observations.....	225
Appendix 7	Individual Lactation Clinical Observations	243
Appendix 8	Individual Clinical Observations of Excluded Females.....	270
Appendix 9	Individual Pre-Mating Body Weight and Body Weight Change of Females.....	274
Appendix 10	Individual Gestation Body Weight and Body Weight Change.....	322
Appendix 11	Individual Lactation Body Weight and Body Weight Change	346
Appendix 12	Individual Pre-Mating Food Consumption of Females	370
Appendix 13	Individual Gestation Food Consumption.....	382
Appendix 14	Individual Lactation Food Consumption	394
Appendix 15	Individual Estrous Cycle Data	402
Appendix 16	Individual Mating Performance	426
Appendix 17	Individual Gravid Uterus Weight and Maternal Body Weight Change.....	438
Appendix 18	Individual Caesarean Section Data	446
Appendix 19	Individual Foetal Weight and Status.....	462
Appendix 20	Individual Foetal External Observations	481
Appendix 21	Individual Foetal Visceral Observations.....	541
Appendix 22	Individual Foetal Skeletal Observations	614
Appendix 23	Individual Delivery and Litter Data	714
Appendix 24	Individual Pup Body Weights.....	722
Appendix 25	Individual Physical, Reflex and Functional Development	796
Appendix 26	Serum Antibody Analysis	820
Appendix 27	Individual Maternal Macroscopic Observations.....	849
Appendix 28	Individual Pup Macroscopic Observations	1025
Appendix 29	Historical Control Data.....	1084
	Historical Control Data from Wistar Rat (CRL Lyon).....	1084
	Historical Control Data from Wistar Rat (CRL Den Bosch).....	1109
	Historical Control Data from Wistar Rat (CRL Horsham).....	1114
	Historical Control Data from Sprague Dawley Rat (CRL Horsham).....	1128

QUALITY ASSURANCE STATEMENT

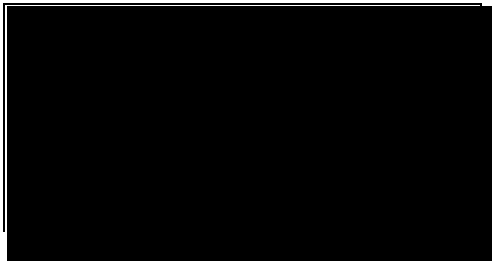
This study has been audited by Quality Assurance in accordance with the applicable Good Laboratory Practice regulations. Reports were submitted in accordance with Standard Operating Procedures as follows:

QA INSPECTION DATES

Date(s) of Audit	Phase(s) Audited	Dates Findings Submitted to:	
		Study Director	Study Director Management
29-Jun-2020 – 30-Jun-2020	Final Study Plan	30-Jun-2020	30-Jun-2020
23-Jul-2020	Study Plan Amendment 01	23-Jul-2020	23-Jul-2020
02-Oct-2020	Study Plan Amendment 02	02-Oct-2020	02-Oct-2020
14-Sep-2020	Physical development	14-Sep-2020	14-Sep-2020
23-Nov-2020 – 04-Dec-2020	Report Tables	04-Dec-2020	04-Dec-2020
23-Nov-2020 – 04-Dec-2020	Report – Materials and Methods	04-Dec-2020	04-Dec-2020
23-Nov-2020 – 04-Dec-2020	Data Review – Formulations	04-Dec-2020	04-Dec-2020
23-Nov-2020 – 04-Dec-2020	Data Review – Technical Operations	04-Dec-2020	04-Dec-2020
23-Nov-2020 – 04-Dec-2020	Data Review – Clinical Pathology	04-Dec-2020	04-Dec-2020
23-Nov-2020 – 04-Dec-2020	Data Review – Necropsy	04-Dec-2020	04-Dec-2020
23-Nov-2020 – 04-Dec-2020	Report	04-Dec-2020	04-Dec-2020
07-Dec-2020 - 10-Dec-2020	Report - Results	10-Dec-2020	10-Dec-2020

In addition to the above-mentioned audits, process-based and routine facility inspections were also conducted during the course of this study. Inspection findings, if any, specific to this study were reported by Quality Assurance to the Study Director and Management and listed as a Phase Audit on this Quality Assurance Statement.

The Final Report has been reviewed to assure that it accurately describes the materials and methods, and that the reported results accurately reflect the raw data.



Quality Assurance Auditor

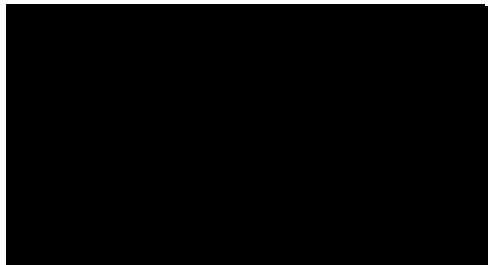
GLP COMPLIANCE STATEMENT AND REPORT APPROVAL

The study was performed in accordance with OECD Principles of Good Laboratory Practice as required in Directive 2004/10/EC of the European Parliament and of the Council of 11 February 2004, Bonnes Pratiques de Laboratoire, Ministère de l'Emploi et de la Solidarité Française, No. 2000/5bis, arrêté du 14/03/2000.

OECD Principles of Good Laboratory Practice are accepted by Regulatory Authorities throughout the European Union, United States of America (FDA and EPA), and Japan (MHLW, MAFF, and METI) and other countries that are signatories to the OECD Mutual Acceptance of Data Agreement.

Exceptions from the above regulations are listed below.

- Antibody analysis ([Appendix 26](#)) was not conducted in compliance with GLP but in accordance with the Good Clinical Laboratory Practice (GCLP). This Test site was selected by the Sponsor because it has the most appropriate experience concerning the measurement of neutralizing antibody titres against the SARS-CoV-2 live virus by Microneutralization CPE-based method. The delegated phase for antibody analysis was fit for purpose, performed in adherence to the facilities SOPs and working instructions, by a research facility with proper expertise, and adequate history and by individuals specially trained in this technique (according to VisMederi management of personnel procedure). This exception did not adversely affect the outcome or interpretation of this study because the methods included appropriate controls to provide reliable data and analyses according to data integrity principles and local QA Report review will ensure compliance to internal procedures.



Study Director

1. RESPONSIBLE PERSONNEL

Role/Phase	QAU	Name	Contact Information
Study Director	Charles River	██████████, PhD	Address as cited for Test Facility
Test Facility Management	Charles River	██████████, General Director	Address as cited for Test Facility
Test Facility QAU	Charles River	██████████, MSc, Chemical Engineer	Address as cited for Test Facility
Principal Investigator (PI)			
Role/Phase	GLP Compliance	Name	Contact Information
Serum Antibody Analysis ^a	No (compliance with the GCLP)	██████████	VisMederi Srl Strada del Petriccio e Belriguardo, 35 53100 Siena, Italy

^a: Test Site selected by the Study Sponsor in agreement with the Study Director.

2. ABSTRACT

The objective of this study was to assess the potential effects of BNT162b1, BNT162b2 and BNT162b3, vaccine development candidates to prevent Covid-19, and the concomitant immune response, on fertility and pre and postnatal development in the female Wistar (CRL:WI[Han]) rat.

BNT162b1, BNT162b2 and BNT162b3 were administered intramuscularly (IM) to F0 female Wistar rats 21 and 14 days before the start of mating (M-21 and M-14, respectively) and then on Gestation Day (GD) 9 and GD20, for a total of 4 dose days. A separate control group was administered saline by the same route and regimen. Each dose group consisted of 44 F0 females, 22 rats assigned to the caesarean subgroup, and 22 rats assigned to the littering subgroup. Each dose consisted of 30 µg mRNA /dosing day (0.06 mL/dose) IM injection in alternating quadriceps muscles.

Following completion of a mating phase with untreated males, 22 rats per group (nominally) underwent caesarean section on GD21 and were submitted to routine embryo-fetal development evaluations (caesarean subgroup). The remaining 22 rats per group (nominally) were allowed to litter and development of the offspring was observed up to weaning on Postnatal Day (PND) 21 (littering subgroup).

The following parameters and end points were evaluated in all F0 animals: Survival, clinical signs, body weights, body weight gains, food consumption, estrous cycles, mating performance, fertility and macroscopic observations. F0 females assigned to the caesarean subgroup were further examined for ovarian and uterine contents, gravid uterine weights and fetuses were evaluated for viability, sex, body weights, and external, visceral, and skeletal morphology. F0 females assigned to the littering subgroup were allowed to deliver naturally, and were further assessed for parturition, lactation, and maternal behavior, and were monitored to the day of euthanasia on Lactation Day (LD) 21. F1 offspring were assessed for survival, clinical signs, body weights, physical development (pinna unfolding and eye opening), preweaning auditory and visual function tests to screen for normal neurodevelopment, and macroscopic observations.

Blood samples were collected before administration of the first dose (baseline) and on the first day of cohabitation for each F0 female (both subgroups), on GD21 (caesarean subgroup), and on LD21 (littering subgroup females). Blood samples were also collected on GD21 from viable fetuses in each available litter (caesarean subgroup) and on PND21 from pups from each available litter (littering subgroup). Blood samples were evaluated for neutralizing antibody titres against SARS-CoV-2 live virus.

There were no deaths throughout the study related to any of the 3 vaccine candidates.

Intramuscular administration of BNT162b1, BNT162b2 and BNT162b3, before and during gestation to female Wistar rats resulted in non-adverse clinical signs and macroscopic findings localized to the injection site as well as transient, non-adverse body weight and food consumption effects after each dose administration. These maternal findings are all consistent with administration of a vaccine and an inflammatory/immune response.

There were no effects on estrous cycles, pre-coital interval, mating, fertility and pregnancy index, or on any ovarian, uterine, or litter parameters, including F1 pre and postnatal survival, growth, external, visceral, and skeletal morphology, or effects on pre-weaning physical and functional development of the F1 pups related to any of the 3 vaccine candidates.

Administration of 4 doses (2 prior to mating and 2 during gestation) of BNT162b1, BNT162b2, or BNT162b3 elicited SARS-CoV-2 neutralizing antibody responses in the majority of females just prior to mating (M0), at the end of gestation (GD21), and at the end of lactation (LD21). SARS-CoV-2 neutralizing titers were detected in most offspring (fetuses on GD21 and pups on PND21). SARS-CoV-2 neutralizing antibody titers were not observed in animals prior to vaccine administration or in saline-administered control animals.

In conclusion, intramuscular administration of BNT162b1, BNT162b2 and BNT162b3 before and during gestation to female Wistar (CRL:WI[Han]) rats was associated with non-adverse effects (body weight, food consumption and effects localized to the injection site) after each dose administration. There were no effects of any of the 3 vaccine candidates on mating performance or fertility in F0 female rats or on embryo-fetal or postnatal survival, growth, or development of the F1 offspring. An immune response was confirmed in F0 female rats following administration of each vaccine candidate and these responses were also detectable in the F1 offspring (fetuses and pups).

3. INTRODUCTION

The objective of this study was to assess the potential effects of BNT162b1, BNT162b2 and BNT162b3, vaccine development candidates to prevent Covid-19, and the concomitant immune response, on fertility and pre and postnatal development in the female Wistar (CRL:WI[Han]) rat.

The design of this study was based on Guidelines from the International Conference on Harmonization, S5(R3) Detection of Reproductive and Developmental Toxicity for Human Pharmaceuticals; Department of Health and Human Services, Food and Drug Administration (FDA), 2006 Guidance on Developmental Toxicity Studies in Vaccines for Infectious Disease Indications; WHO guidelines on nonclinical evaluation of vaccines.

The Study Plan, the last Study Plan amendment, and deviations are presented in [Appendix 1](#).

Study Initiation Date

(Study Plan signed by the Study Director): 26 Jun 2020.

Experimental Starting Date

(First date of study-specific

data collection): 29 Jun 2020.

Postnatal Development - Littering Subgroup:

Animal Arrivals: Females: 29 Jun 2020.

Males: 10 Aug 2020.

Initiation of Predose Estrous Cycle

Monitoring: 13 Jul 2020.

First Injection (Day 1 = M-21): 27 Jul 2020.

Start of Mating (M1): From 17 Aug 2020.

Littering (LD0): From 09 Sep 2020.

Necropsy of Dams and Pups

(LD21/PND21): From 30 Sep 2020.

Embryo-Fetal Development - Caesarean Subgroup:

Animal Arrivals: Females: 13 Jul 2020.

Males: 10 Aug 2020.

Initiation of Predose Estrous Cycle

Monitoring: 27 Jul 2020.

First Injection (Day 1 = M-21) 10 Aug 2020.

Start of Mating (M1): From 31 Aug 2020.

Caesarean Sections (GD21): From 22 Sep 2020.

Experimental Completion Date

(Last necropsy): 12 Oct 2020.

4. MATERIALS AND METHODS

4.1. Test Materials

4.1.1. Test Items Characterization

The Sponsor provided to the Test Facility documentation of the identity, strength, purity, composition, and stability for the test items. Certificates of analysis were provided to the Test Facility and are presented in [Appendix 2](#).

The characterization of the test items was conducted in a GMP environment (information provided by the Study Sponsor on 30 Nov 2020).

The Sponsor has appropriate documentation on file concerning the method of synthesis, fabrication or derivation of the test items, and this information is available to the appropriate regulatory agencies should it be requested.

4.1.2. Test Material Identification

Text Table 1
Test Item Identification

	Test Item 2
Identification:	BNT162b2
Alternate Identification:	CoVAC
Batch No.:	RBP020.2 LNP
Lot No.:	CoVAC/270320
Physical Description:	White to off-white suspension
Expiry Date:	27 Nov 2020
Correction Factor:	None
Concentration (RNA Content):	508 µg/mL
Storage Conditions:	Temperature set to maintain -80°C
Provided by:	Sponsor

Text Table 2
Control Item Identification

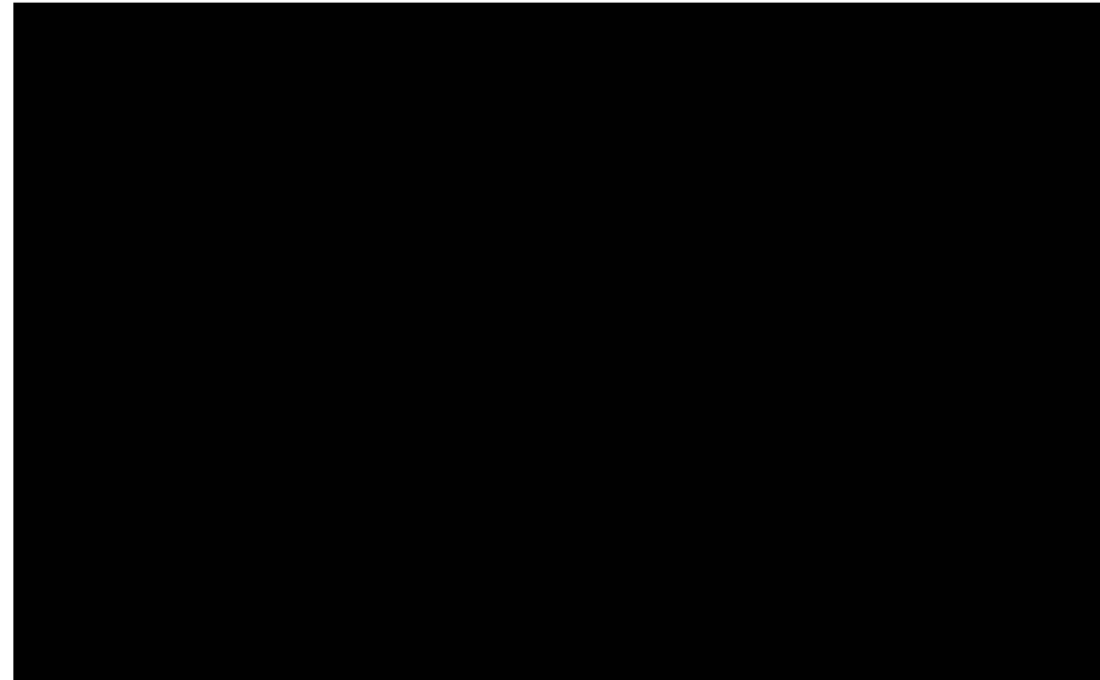
	Control Item
Identification:	Sterile physiological saline (0.9% NaCl)
Alternate Identification:	N/A
Batch/Lot Nos.:	905098 and 912642
Expiry Dates:	30 Apr 2022 and 30 Nov 2022 respectively
Storage Conditions:	Ambient temperature
Provided by:	Test Facility

N/A: Not Applicable.

4.5. Test System

4.5.1. Receipt

[REDACTED] Virgin females were 11 weeks old and weighed between 179.3 and 265.4 g at the initiation of dosing and virgin males (untreated) were [REDACTED] old and weighed between [REDACTED] and [REDACTED] at arrival.



4.5.5. Selection, Assignment, Replacement, and Disposition of Animals

After arrival, animals were randomly assigned to groups.

The disposition of all animals was documented in the study records.

4.5.6. Husbandry

4.5.6.1. Housing

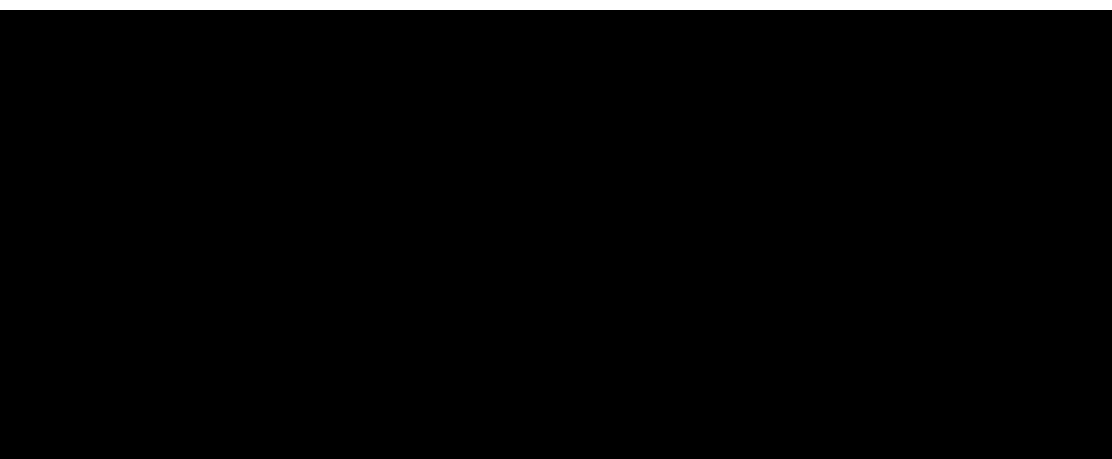
Housing: Single or group housed.

Caging: .

The animals were caged as follows (see [Appendix 1](#)):

Phase	Number of Animals per Cage	
	Males	Females
Pre-mating	up to 4	up to 5
Mating	1 male + 1 female housed together	
Gestation of F0 generation	up to 4	1
Lactation of F0 generation	-	1 + litter

-: Not applicable.



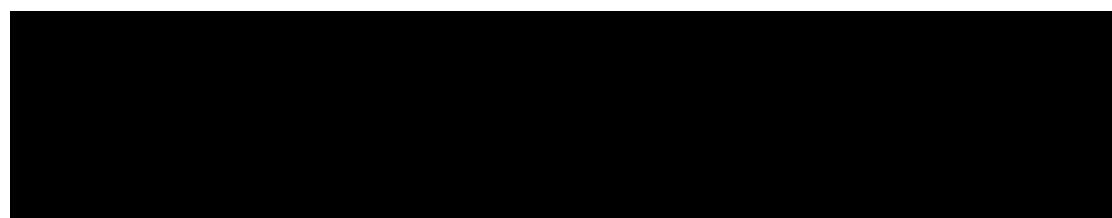
4.5.6.3. Environmental Conditions

The targeted conditions for animal room environment were as follows:

Temperature: 19°C to 25°C.

Humidity: $\geq 35\%$.

Light Cycle: 12 hours light and 12 hours dark (except during any designated procedures).

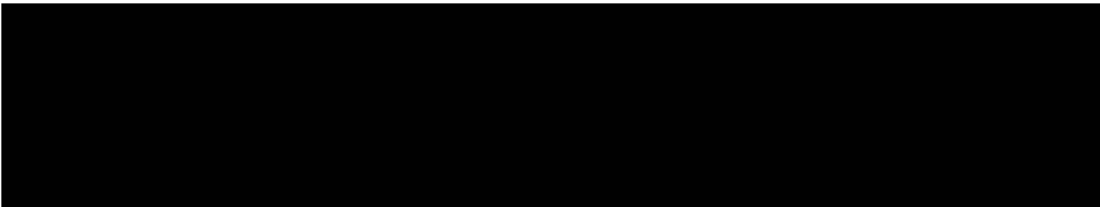


4.5.6.4. Food

Diet: Complete rodent diet [REDACTED]
[REDACTED].
Type: [REDACTED].
Frequency: *Ad libitum*, [REDACTED].
Analysis: [REDACTED]

4.5.6.5. Water

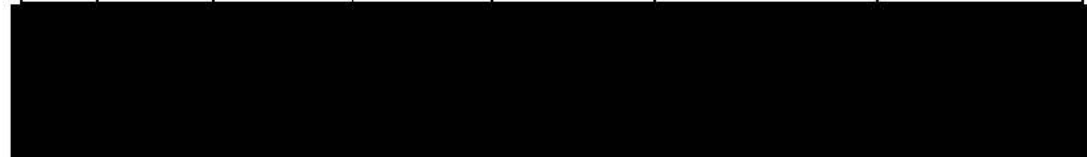
Type: Softened and filtered ([REDACTED]) municipal drinking water.
Frequency/Ration: Freely available to each animal ([REDACTED]).
Analysis: [REDACTED]



4.6. Experimental Design

Text Table 4
Experimental Design of the F0 Generation

Group No.	Test Material	Dose (µg mRNA)	Dose Volume (mL)	Dose Concentration (mg/mL)	Number and Identification of Animals	
					Caesarean Subgroup	Littering Subgroup
1	Control item	0	0.06	0	22 (1 to 22)	22 (201 to 222)
3	BNT162b2	30	0.06	0.5	22 (45 to 66)	22 (245 to 266)



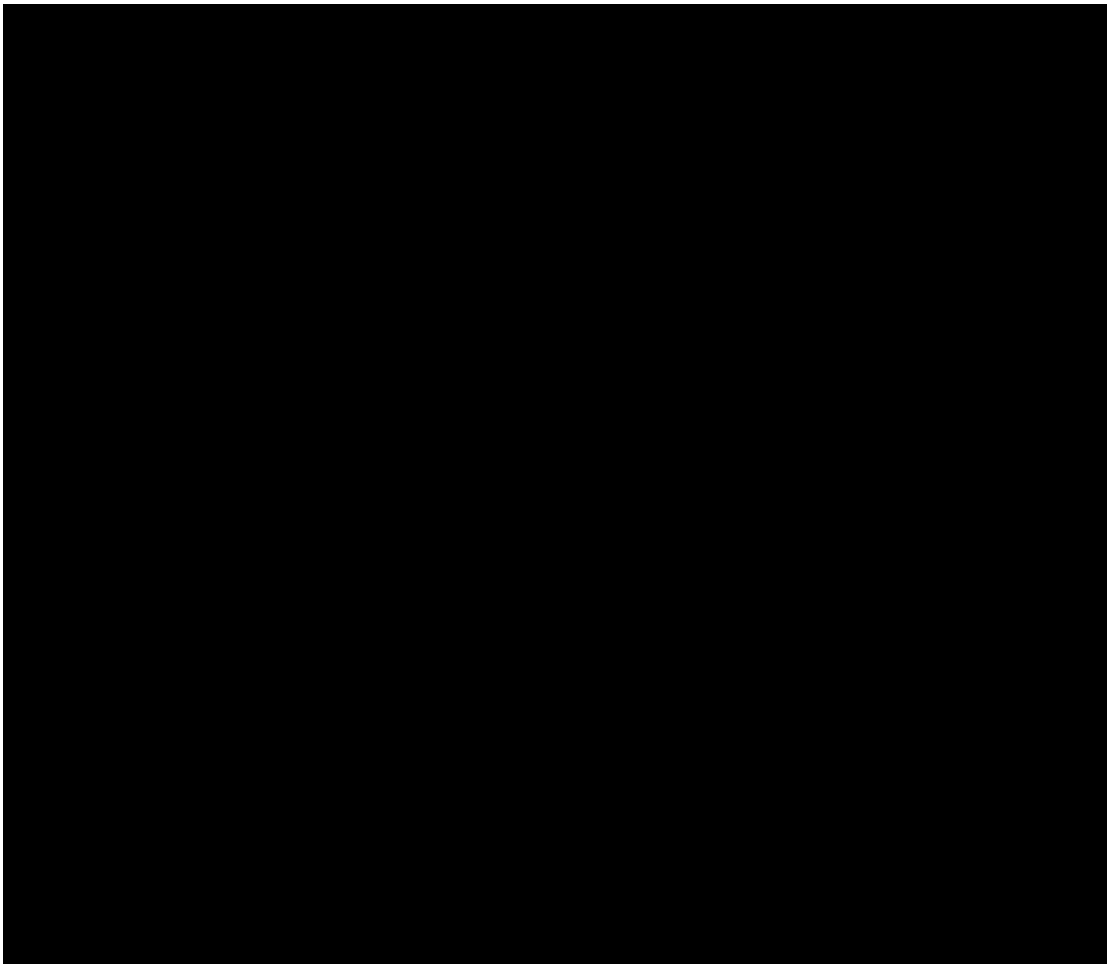
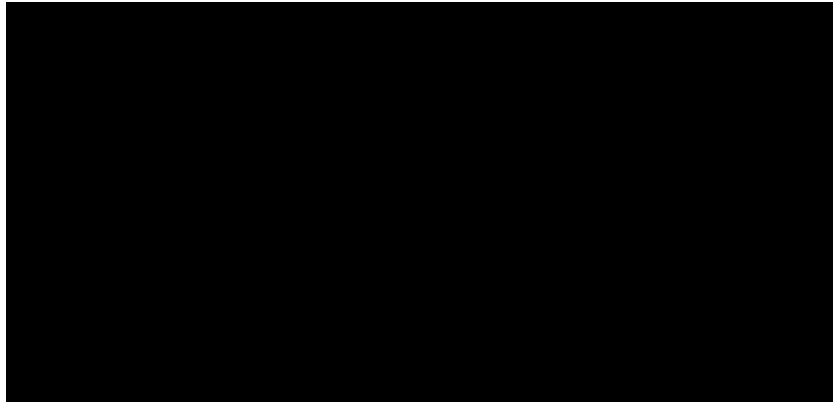
4.6.1. Administration of Test Materials

Only F0 females were treated, males were not treated.

Dose Route: Intramuscular injection into the quadriceps alternating on each dosing occasion.

Frequency (4 occasions): 21 days (M-21) and 14 days (M-14) before the start of the mating phase, and on GD9 and GD20.

Method:





4.7.5. Estrous Cycles

Vaginal smears were taken daily and used to determine the cycle stage for each F0 female throughout a 14-day pre-dosing period, then for [REDACTED] before mating and during cohabitation until confirmation of GD0.

4.7.6. Mating

Animals were paired on the basis of 1 male and 1 F0 female from the same group (not siblings) for a maximum of [REDACTED].

The day of mating was confirmed by the presence of sperm in a vaginal smear or a vaginal plug and was recorded as GD0.

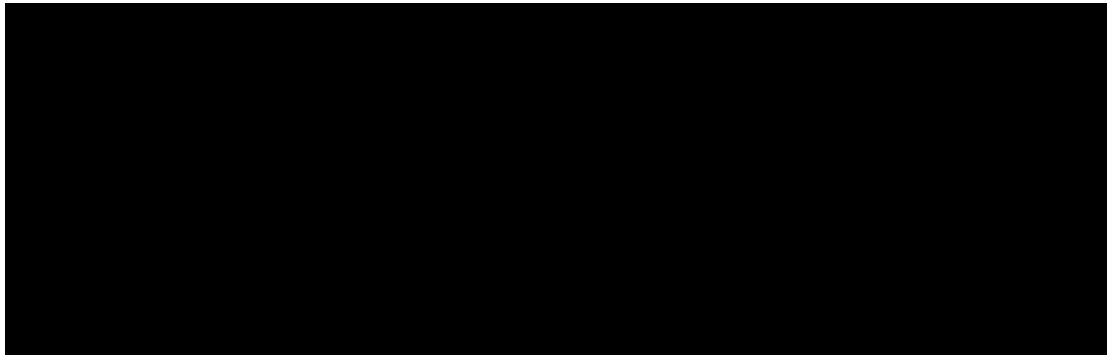
Mated females were separated from the males once mating had been confirmed and smearing ceased or when the appearance of the female suggested pregnancy from an undetected mating.

[REDACTED]

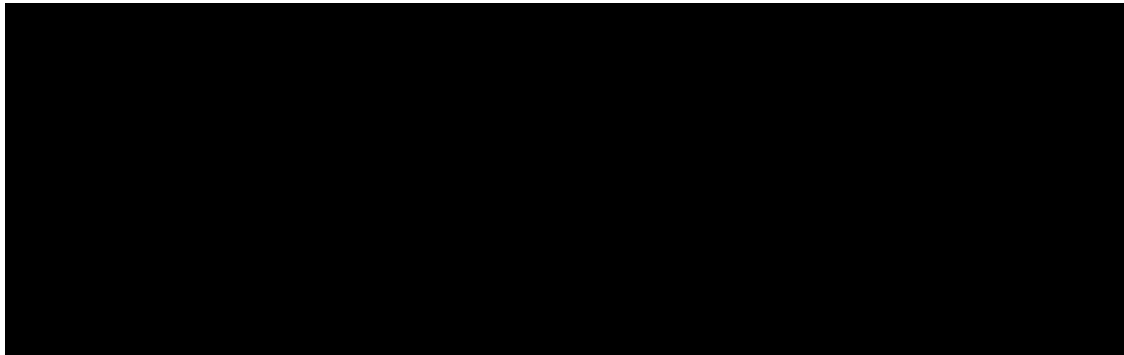
¹: F208 (Control, 0 µg) and F263 (BNT162b2, 30 µg) were additionally weighed on LD0.

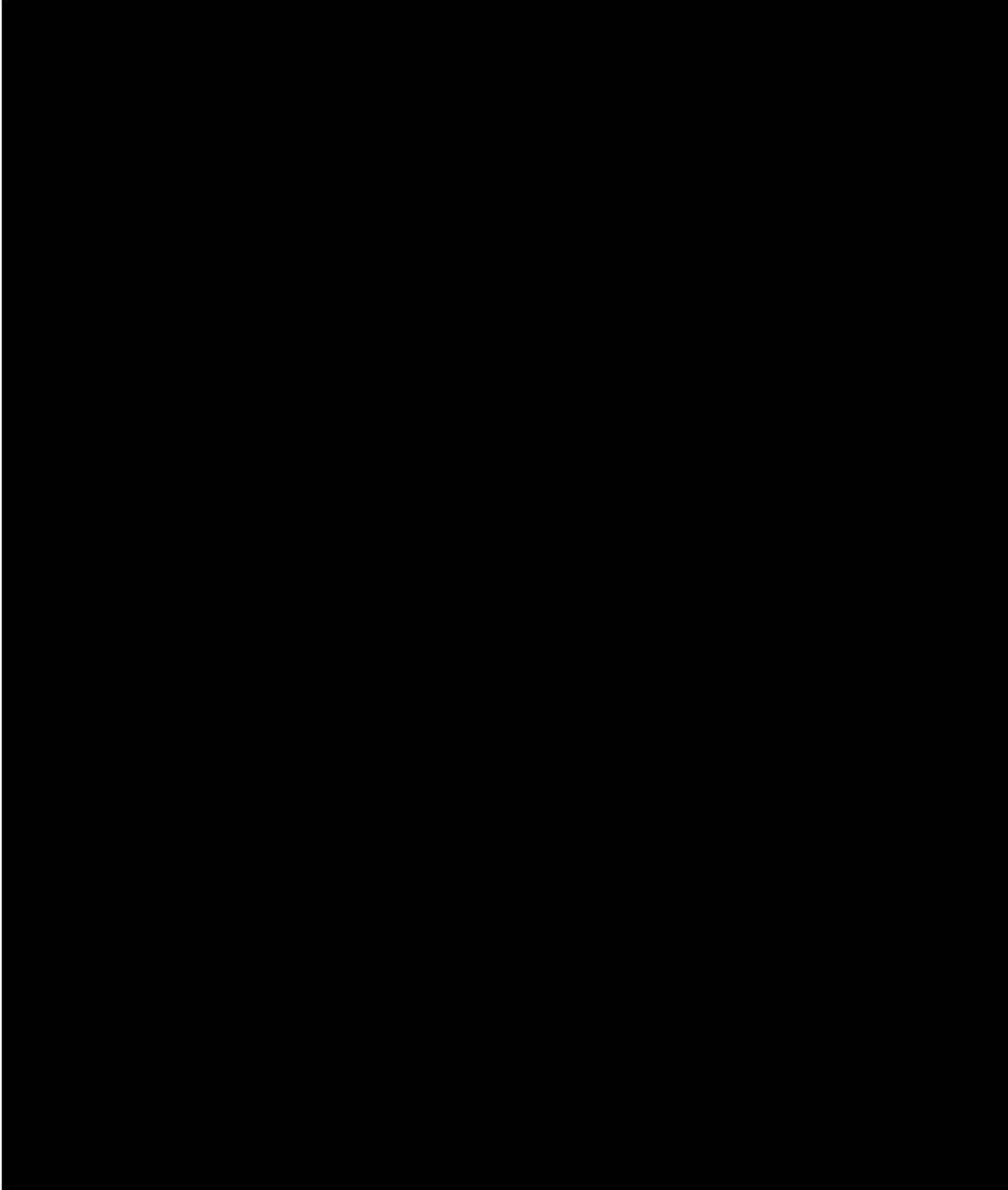


4.9. Litter Data (Littering Subgroup Females)



On PND4, the size of each litter was adjusted (culling) to 8 pups, where possible, by eliminating extra pups by random selection to yield where possible 4 males and 4 females per litter. Extra pups were euthanized by an intraperitoneal injection of sodium pentobarbitone.





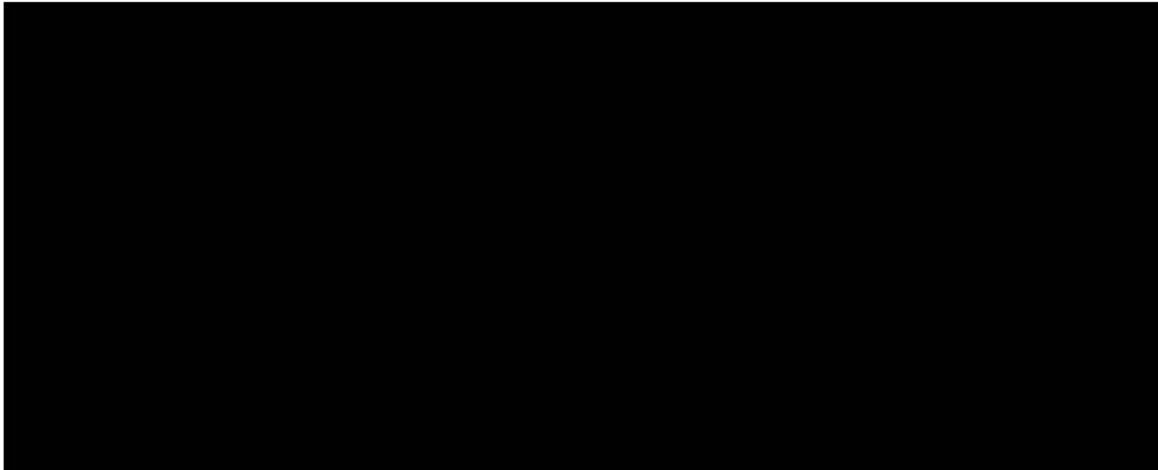
4.10.3. Antibody Analysis by Microneutralization CPE-Based

Each serum sample was tested in duplicate for serological detection of SARS-CoV-2 specific neutralizing antibodies.

[Redacted text block]

[Redacted text block]

4.11. Terminal Procedures



4.11.2. Scheduled Euthanasia

Surviving animals were euthanized by carbon dioxide inhalation and exsanguination (with the exception of the PND4 extra pups - see [Section 4.9](#)) and then necropsied according to the following schedule:

F0 females:

Caesarean subgroup: On GD21.



Littering subgroup: On LD21, after weaning of the F1 pups.



Culled F1 pups:

On PND4.

Euthanized F1 pups:

On PND21.



Selected fetuses (caesarean subgroup) and pups (littering subgroup) were sampled for blood (antibody analysis) at necropsy (see [Section 4.10.1](#)).

4.11.3. Necropsy

All adult animals and pups (including those culled on PND4) were submitted to a full macroscopic examination of the abdominal and thoracic cavities including the injection sites (for F0 females). Any abnormalities observed were recorded and preserved.

4.11.3.1. Subgroup 1 (Caesarean-Section)

For each female euthanized on GD21, the ovaries and uterus were removed and examined, including examination of the placentae. The following data were recorded:

Text Table 7
 Necropsy Data

Parameters	Comments
Pregnancy status	-
Gravid uterus weight	The uterus of apparently non-pregnant females was placed in ammonium sulphide solution in order to stain any previously undetected implantation sites
Number and distribution of intrauterine implantations	Classified as: Live fetuses, dead fetuses, early resorptions and late resorptions
Number of corpora lutea	-
Fetal weights	Individual weights were recorded
Fetal sex	-

-: No comment.

4.11.3.2. Subgroup 2 (Natural Delivery)

The carcasses of PND21 pups were preserved for possible skeletal examinations. No further examination was performed.

For all F0 females, the number of implantation sites were recorded.

4.11.4. Fetal Examination (Caesarean-Section)

Each fetus was examined for external defects and euthanized by oral administration of sodium pentobarbitone. Approximately one half of each litter was submitted to fresh visceral examination of the body (abdominal and thoracic cavities). The head was fixed in Harrison’s fluid for subsequent examination by serial sectioning. The remaining carcass was retained fixed in ethanol.

The remaining half of the fetuses in each litter was eviscerated and then processed for skeletal examination. The skeletal examinations were performed following maceration of the soft tissues with aqueous potassium hydroxide, staining of the skeleton with Alizarin red then passage into glycerol.

Soft tissue and skeletal examinations were performed using a binocular microscope.

5. STATISTICAL ANALYSIS

All results presented in the tables of the report are calculated using non-rounded values.

All statistical analyses were performed within the respective study phase, unless otherwise noted. Numerical data collected on scheduled occasions from all animals were summarized by occasion or by litter and statistically analyzed as indicated below according to the occasion or by litter.

5.1. Constructed Variables

Body weight gains (F0 generation): Calculated between each scheduled interval as well as between the following intervals: Day 1 to Day 22 (both subgroups), GD0 to GD21 (both subgroups) and LD1 to LD21 (littering subgroup).

Food consumption: Calculated between each scheduled interval as well as between the following intervals: Day 1 to Day 22 (both subgroups), GD0 to GD21 (both subgroups) and LD1 to LD21 (littering subgroup).

For both subgroups combined where applicable (caesarean and littering subgroups):

Pre-coital interval (in days):
$$\frac{\text{Sum of days until successful insemination}}{\text{Number of inseminated females}}$$

Copulation (mating) index (in %):
$$\frac{\text{Number of inseminated females}}{\text{Number of paired animals}} \times 100$$

Pregnancy rate (in %):
$$\frac{\text{Number of pregnant females}}{\text{Number of paired animals}} \times 100$$

Fertility index (in %):
$$\frac{\text{Number of pregnant females}}{\text{Number of inseminated females}} \times 100$$

For the caesarean subgroup:

Pre-implantation loss (in %):
$$\frac{\text{Number of corpora lutea} - \text{Number of implantations}}{\text{Number of corpora lutea}} \times 100$$

Post-implantation loss (in %):
$$\frac{\text{Number of Implantations} - \text{Number of Viable Fetuses}}{\text{Number of implantations}} \times 100$$

Sex ratio (proportion of male fetuses):
$$\frac{\text{Number of males}}{\text{Number of fetuses}} \times 100$$

% of Fetuses with Abnormalities:
$$\frac{\text{Number of fetuses in litter with a given finding}}{\text{Number of fetuses in litter examined}} \times 100$$

For the littering subgroup:

$$\text{Gestation index (in \%):} \quad \frac{\text{Number of pups alive at birth}}{\text{Number of pregnant females}} \times 100$$

$$\text{Live birth index (in \%):} \quad \frac{\text{Number of pups born alive}}{\text{Number of pups born}} \times 100$$

$$\text{Pre-birth loss (in \%):} \quad \frac{\text{Number of pups born}}{\text{Number of implantation sites (scars)}} \times 100$$

$$\text{Viability index (in \%):} \quad \frac{\text{Number of pups alive on PND 4}}{\text{Number of pups alive at birth}} \times 100$$

$$\text{Weaning index (in \%):} \quad \frac{\text{Number of pups alive on PND21}}{\text{Number of pups alive on PND4*}} \times 100$$

*: Number of pups alive on Day 4 post-partum after adjustment of litter size.

$$\text{Sex ratio (proportion of male pups):} \quad \frac{\text{Number of male pups}}{\text{Number of pups}} \times 100$$

5.2. Descriptive Statistical Analyses

Means, standard deviations (or % coefficient of variation or standard error, when deemed appropriate), percentages, numbers, and/or incidences were reported as appropriate by dataset.

5.3. Inferential Statistical Methods

All statistical tests were conducted at the 5% significance level. All pairwise comparisons were conducted using two-sided tests and were reported at the 1% and 5% levels, unless otherwise noted.

The pairwise comparisons of interest are listed below:

Group 2	vs.	Group 1
Group 3	vs.	Group 1
Group 4	vs.	Group 1

Analyses were performed according to the matrix below when possible but excluded any group with less than 3 observations.

Text Table 8
Statistical Matrix

Variables for Inferential Analysis	Statistical Method		
	Parametric/ Non-Parametric	Non-Parametric	Incidence
Body weight ^a	X	-	-
Body weight gains ^a	X	-	-
Food consumption ^a	X	-	-
Delivery and litter data	X	-	-
Reflex and physical development	-	-	X
Mating performance and fertility indices	-	-	X
Parental indices and mortality	-	-	X
Gravid uterine weight and corrected maternal body weights	X	-	-
Ovarian and uterine data	X	-	-
Litter observations (litter means) ^c	X	-	-
Litter % of fetuses with gross/external/visceral/skeletal abnormalities ^b	-	X	-

X: Statistical analysis performed; -: Statistical analysis not performed.

^a: Excludes animals not pregnant from the gestation and lactation phases summarization and statistical analysis.

^b: Presented for sexes combined; live fetuses only.

^c: Presented for males, females and sexes combined; live fetuses only.

5.4. Parametric/Non-Parametric

Levene's test was used to assess the homogeneity of group variances. The groups were compared using a Dunnett's test if Levene's test was not significant or Dunn's test if it was significant.

Pre-coital interval, estrous cycle and F1 offspring functional tests data were analysed using a SAS software package. Levene's test was used to test the equality of variance across groups and Shapiro-Wilk's test was used to assess the normality of the data distribution in each group. Data with homogeneous variances and normal distribution in all groups was analysed using ANOVA followed by Dunnett's test. Data showing non-homogeneous variances or a non-normal distribution in at least 1 group was analysed using Kruskal-Wallis test followed by Wilcoxon's rank sum test.

5.5. Non-Parametric

Datasets were compared using a Dunn's test.

5.6. Incidence

A Fisher's exact test was used to conduct pairwise group comparisons of interest.

6. COMPUTERIZED SYSTEMS

Critical computerized systems used in the study are listed below or presented in the appropriate Phase Report. All computerized systems used in the conduct of this study have been validated; when a particular system has not satisfied all requirements, appropriate administrative and procedural controls were implemented to assure the quality and integrity of data.

Text Table 9
 Critical Computerized Systems

System Name	Version No.	Description of Data Collected and/or Analyzed
GTC Mozart 21	3.1	Environmental data recording
Vaisala	4.1.0	Environmental data recording
Provantis®	9 and 10	Test material receipt, accountability and/or formulation activities; in-life; postmortem; statistical analysis
Devil	2.1.148	Deviation information library
STATSAS	STATSAS 2.00	Statistical analysis
Share Document Management System	1.0	Reporting
DocuSign™	11	Collection of 21 CFR Part 11 compliant signature

Microsoft Excel® (version 2003 or higher) was employed to present certain results and perform associated calculations.

7. RETENTION AND DISPOSITION OF RECORDS, SAMPLES, AND SPECIMENS

All study-specific raw data, electronic data, documentation, Study Plan, retained samples and specimens, and the Final Report will be archived at the Final Report issue. All materials generated by Charles River Laboratories from this study will be transferred to a Charles River Laboratories archive and kept for a period of 2 years following the date of issue of the Final Report.

Disposition of residual/retained analytical samples was as described in the table below.

Text Table 10
 Disposition of Residual/Retained Samples

Sample Type	Disposition
Serum for Antibody analysis	Discarded

Records to be maintained included, but were not limited to, documentation and data for the following:

- Study Plan, Study Plan amendments, and deviations.
- Study schedule.
- Study-related correspondence.
- Test system receipt, health, and husbandry.
- Test materials receipt, identification and preparation.
- In-life measurements and observations.
- Reserve sample.
- Antibody sample collection and evaluation.
- Gross observations and related data.
- Organ weight measurement.
- Statistical analysis results.
- Original signed Final Report.

Original signed Study Plan and amendments signed by the Sponsor (e-signed documents) are archived at the sponsor under his responsibility. The regulatory compliance to applicable regulations of electronic signature system developed and used by the Sponsor is under his responsibility.

Study deviations were archived electronically at the Charles River Laboratories facility located in Wilmington, Massachusetts.

8. RESULTS

8.1. Serum Antibody Analysis

(Appendix 26)

Administration of 4 doses (2 prior to mating and 2 during gestation) of [REDACTED], BNT162b2, or [REDACTED] elicited SARS-CoV-2 neutralizing antibody responses in the majority of females just prior to mating (M-14), at the end of gestation (GD21), and at the end of lactation (LD21). SARS-CoV-2 neutralizing titers were detected in most offspring (fetuses on GD21 and pups on PND21). SARS-CoV-2 neutralizing antibody titers were not observed in animals prior to vaccine administration or in saline-administered control animals.

8.2. Mortality

(Appendix 4, Appendix 7 and Appendix 29)

There was no unscheduled death related to [REDACTED] vaccine candidates.

[REDACTED]

Such cases of total litter death at or shortly after birth are present in the historical control data (2 studies (A19 in 2019 and V17 in 2017) out of 18 between 2015 and 2019) [REDACTED] with no similar finding in the BNT162b2 group, suggested that they were incidental and not related to any of the 3 vaccine candidates.

8.3. Clinical Observations

(Table 1, Table 2, Table 3, Appendix 5, Appendix 6, Appendix 7 and Appendix 8)

There were no adverse clinical signs during the premating and gestations periods related to any [REDACTED] vaccine candidates.

Following administrations (M-21, M-14, GD9 and GD20), swelling (associated or not with limping and/or piloerection for 1 or 2 days after the second dose only) was noted at the injection site for animals in the [REDACTED], BNT162b2 and [REDACTED] groups. Complete recovery was noted between each of the dose administrations. The overall health of the animals was not impacted by these transient clinical signs localized to the injection site; therefore, these observations were not considered adverse.

There were no clinical signs during the lactation period related to any [REDACTED] vaccine candidates.

Other clinical signs such as abnormal vocalization, chromodacryorrhea, desquamation, erythema, localized hairloss, malocclusion, long or missing teeth, red vaginal discharge, red stained fur, scab(s), sore(s) noted sporadically across the groups were considered to be incidental, related to the method of dose administration or to the pregnancy status of the females.

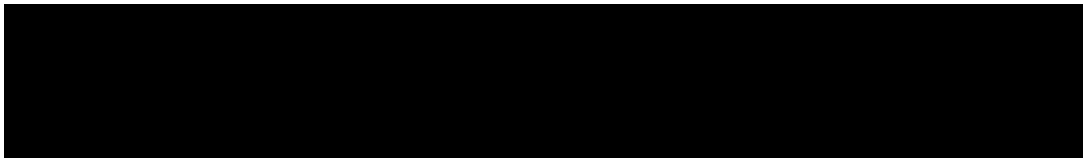
8.4. Body Weight

(Figure 1, Figure 2, Figure 3, Table 4, Table 5, Table 6, Table 7, Table 8, Table 9, Appendix 9, Appendix 10 and Appendix 11)

There were no adverse effects on mean body weight change related to any [REDACTED] vaccine candidates.

Slight body weight loss or reduced body weight gain was noted after each dose administration (M-21, M-14, GD9 and GD20) in the [REDACTED], BNT162b2 and [REDACTED] groups compared with continuous body weight gain in the control group.

Complete recovery was noted between each of the dose administrations such that absolute mean body weight was comparable with the control group at the end of the pre-mating and gestation periods, therefore none of the transient differences from control were considered adverse.



8.5. Food Consumption

(Figure 4, Figure 5, Figure 6, Table 10, Table 11, Table 12, Appendix 12, Appendix 13 and Appendix 14)

There were no adverse effects on mean food consumption related to any [REDACTED] vaccine candidates.

Reduced mean food consumption was noted after the first 3 dose administrations (M-21, M-14 and GD9) in the [REDACTED], BNT162b2 and [REDACTED] groups compared with the control group (up to -14, -16 and -17% on GD9, respectively). Complete recovery was noted between each of the dose administrations such that mean food consumption was comparable with the control group during the pre-mating and gestation periods, therefore none of the transient differences from control were considered adverse.

There was no vaccine-related effect on mean food consumption during the lactation period.

8.6. Estrous Cycle Data

(Table 13, Appendix 15 and Appendix 29)

There were no effects on estrous cyclicity related to any [REDACTED] vaccine candidates.

Mean length and regularity of the estrous cycles were comparable in all groups during the acclimatization and pre-mating periods. Mean values were within the historical control range, and no effects on pre-coital interval and copulation index are consistent with normal cycling.

8.7. Maternal Mating Performance and Fertility

(Table 14 and Appendix 16)

There were no effects on mating performance or fertility related to [REDACTED] vaccine candidates.

In total (caesarean and littering subgroups combined), 44, [REDACTED], 44 and [REDACTED] (out of 44) females mated in the control, [REDACTED], BNT162b2 and [REDACTED] groups, respectively ([REDACTED]) after completion of the 14-day cohabitation period.

The copulation index was therefore 100, [REDACTED], 100 and [REDACTED] % in the control, [REDACTED], BNT162b2 and [REDACTED] groups, respectively.

The majority of mated females were inseminated within the first 4 days of pairing (approximate duration of a normal estrous cycle). The mean pre-coital interval was consequently 3.0, [REDACTED], 2.8 and [REDACTED] days in the control, [REDACTED], BNT162b2 and [REDACTED] groups, respectively.

In total, there were 43, [REDACTED], 42 and [REDACTED] pregnant females out of 44 per group paired in the control, [REDACTED], BNT162b2 and [REDACTED] groups, respectively. The pregnancy rate was therefore 98%, [REDACTED], 95% and [REDACTED] in the control, [REDACTED], BNT162b2 and [REDACTED] groups, respectively.

In total, there were 43/44, [REDACTED], 42/44 and [REDACTED] pregnant/mated females in control, [REDACTED], BNT162b2 and [REDACTED] groups, respectively. The fertility index was therefore 98%, [REDACTED], 95% and [REDACTED] in the control, [REDACTED], BNT162b2 and [REDACTED] groups, respectively.

8.8. Caesarean Data

8.8.1. Gravid Uterus Weight

(Table 15 and Appendix 17)

There were no effects on mean gravid uterus weight related to [REDACTED] vaccine candidates.

8.8.2. Pregnancy Incidence

(Table 16 and Appendix 18)

There were no effects on pregnancy incidence related to [REDACTED] vaccine candidates.

There were 21/22, [REDACTED], 21/22, and [REDACTED] pregnant/mated females in the control, [REDACTED], BNT162b2 and [REDACTED] groups, respectively, at the terminal caesarean examinations, all of which had viable fetuses.

8.8.3. Pre-Implantation Data

(Table 16, Appendix 18 and Appendix 29)

There were no effects on the pre-implantation data related to [REDACTED] vaccine candidates.

The mean numbers of corpora lutea and implantation sites were comparable in all groups.

The mean percentage pre-implantation loss was higher in the BNT162b2 and [REDACTED] groups (9.77% and [REDACTED], respectively) compared with the control group (4.09%). However, the differences were not biologically meaningful and the values remained within the historical control data range (5.1% to 11.5%) for pivotal studies (see Explanation Page), so the difference was considered to be incidental.

8.8.4. Post-Implantation Data

(Table 16, Appendix 18 and Appendix 29)

There were no effects on embryo-fetal survival related to [REDACTED] vaccine candidates.

The mean percentage post-implantation loss and the mean live litter size were comparable in all groups and consistent with the historical control data.

8.8.5. Fetal Data

(Table 16, Appendix 18 and Appendix 29)

There were no effects on mean fetal weight or fetal sex ratio related to [REDACTED] vaccine candidates.

8.9. Fetal Examinations

The numbers of fetuses (litters) submitted to the different examinations were as follows:

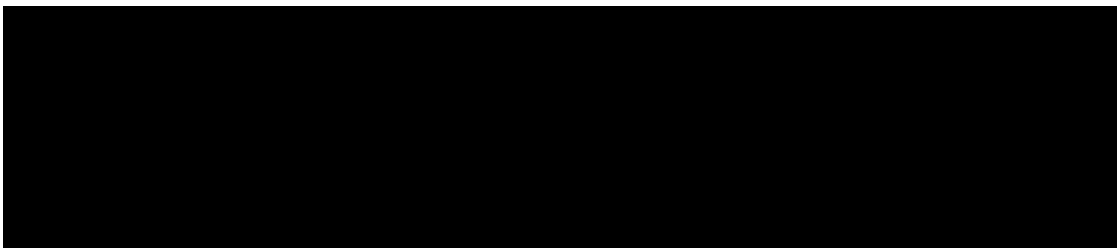
Group No.	1	[REDACTED]	3	[REDACTED]
External examination	277 (21)	[REDACTED]	276 (21)	[REDACTED]
Internal (visceral) examination (body)	133 (21)	[REDACTED]	132 (21)	[REDACTED]
Fixed head examination	133 (21)	[REDACTED]	132 (21)	[REDACTED]
Skeletal examination (head and body)	144 (21)	[REDACTED]	144 (21)	[REDACTED]

There were no effects on fetal morphology related to [REDACTED] vaccine candidates. This is consistent with no corresponding malformations in pups described in Sections 8.10.4 and 8.10.7.

8.9.1. External Observations

(Table 17, Appendix 20 and Appendix 29)

There were no effects on fetal external morphology related to [REDACTED] vaccine candidates.

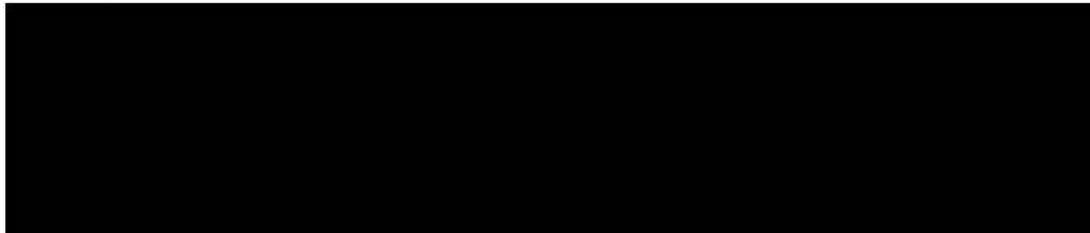


In the BNT162b2 group, there was Fetus 14 (F58) had gastroschisis and Fetus 14 (F64) had a small mouth and agnathia. These malformations are part of the background data for this strain of rat (CRL:WI(Han)) and were considered incidental in view of their isolated and sporadic nature.

8.9.2. Visceral Observations

(Table 17, Appendix 21 and Appendix 29)

There were no effects on fetal soft tissue morphology related to [REDACTED] vaccine candidates.



Fetus 6 (F53) from the BNT162b2 group was observed with a right-sided aortic arch [REDACTED].

These findings are also part of the background of findings for this strain of rat (CRL:WI(Han)) and were considered incidental in view of their isolated incidences.

The other less severe soft tissue anomalies and variations are part of the background data for this strain of rat and were also incidental.

8.9.3. Skeletal Observations

(Table 17 and Appendix 22)

There were no effects on fetal skeletal morphology related to [REDACTED] vaccine candidates.

Associated with the malformations noted externally (see Section 8.9.1), [REDACTED]

[REDACTED] Fetus 14 (F64) from the BNT162b2 group had short and fused mandibles. These malformations associated with the abnormalities noted externally were considered incidental in view of their isolated incidences.

The other less severe skeletal anomalies and variations, such as supernumerary lumbar ribs, 7 lumbar vertebrae or incomplete ossification of thoracic centrum are part of the background data for this strain of rat and/or were also incidental.

8.10. Delivery and Litter Data

8.10.1. Parturition and Gestation Length

(Table 18, Appendix 23 and Appendix 29)

There were no effects on parturition and gestation length related to [REDACTED] vaccine candidates.

There were 22, [REDACTED], 21 and [REDACTED] females in the control, [REDACTED], BNT162b2 and [REDACTED] groups that completed delivery and had liveborn pups giving a gestation index of 100%, [REDACTED], 100% and [REDACTED], respectively. This was consistent with the background data for this strain of rat.

The mean duration of gestation (approximately 22 days) was comparable in all groups. [REDACTED]
[REDACTED]

8.10.2. Pre-Birth Loss

(Table 18, Appendix 23 and Appendix 29)

There was no effect on pre-birth loss related to [REDACTED] vaccine candidates.

[REDACTED]

8.10.3. Pup Viability and Litter Sizes

(Table 18, Appendix 23 and Appendix 29)

There were no effects on pup viability and litter size related to [REDACTED] vaccine candidates.

[REDACTED]

The viability index (PND0 through to PND4) and weaning index (PND4 through to PND21) were comparable in all groups and consistent with the historical control data.

8.10.4. Pup Clinical Observations

(Table 3 and Appendix 7)

There was no pattern in the incidence or type of pup clinical observations or external abnormalities that suggested a relationship to [REDACTED] vaccine candidates.

8.10.5. Pup Weights

(Figure 7a, Figure 7b, Table 19 and Appendix 24)

There was no effect on mean pup weight throughout the pre-weaning period related to any [REDACTED] vaccine candidates.

8.10.6. Pup Physical and Functional Development

(Table 20 and Appendix 25)

There were no effects on pre-weaning physical (pinna unfolding and eye opening) and functional (pupil and auditory reflexes) development related to [REDACTED] vaccine candidates.

8.10.7. Pup Necropsy Findings

(Appendix 28)

There was no pattern in the incidence or type of pup macroscopic observations or malformations that suggested a relationship to [REDACTED] vaccine candidates.

8.11. Necropsy Findings of Adult Females

(Table 21 and Appendix 27)

There were no adverse maternal macroscopic findings related to [REDACTED] vaccine candidates.

Macroscopic findings were noted at the injection sites (firm area, enlarged, edematous area and/or pale) in the [REDACTED], BNT162b2 and [REDACTED] groups. These findings were considered non-adverse as they had no impact on the overall health of the animals and are consistent with administration of a vaccine and an inflammatory/immune response localized to the injection site.

Abnormalities of the liver (diaphragmatic hernia, mottled surface, abnormal shape or adherent mass) were occasionally noted for isolated females across all groups (including controls) and were considered incidental.

Alopecia and/or sores/crusts were also noted for isolated females across the groups (including controls) and were incidental (related to the pregnancy status of the females).

9. INTEGRATED SUMMARY AND DISCUSSION OF RESULTS

The purpose of this study was to assess the potential effects of BNT162b1, BNT162b2 and BNT162b3, vaccine development candidates to prevent Covid-19, and the concomitant immune response, on fertility and pre and postnatal development in the pregnant and lactating female Wistar (CRL:WI[Han]) rat and on the in utero and postnatal development of their offspring.

There were no deaths throughout the study related to any of the vaccine candidates. Intramuscular administration of BNT162b1, BNT162b2 and BNT162b3, before and during gestation to female Wistar rats resulted in non-adverse clinical signs and macroscopic findings localized to the injection site as well as transient, non-adverse body weight and food consumption effects after each dose administration. These maternal effects were considered non-adverse as they had no impact on the overall health of the animals. These maternal findings are all consistent with administration of a vaccine and an inflammatory/immune response.

There were no effects on estrous cycles, pre-coital interval, mating, fertility and pregnancy index, or on any ovarian, uterine, or litter parameters, including F1 survival, growth, external, visceral, and skeletal morphology, or effects on pre-weaning physical and functional development of the F1 pups related to any of the 3 vaccine candidates.

Administration of 4 doses (2 prior to mating and 2 during gestation) of BNT162b1, BNT162b2, or BNT162b3 elicited SARS-CoV-2 neutralizing antibody responses in the majority of females just prior to mating (M0), at the end of gestation (GD21), and at the end of lactation (LD21). SARS-CoV-2 neutralizing titers were detected in most offspring (fetuses on GD21 and pups on PND21). SARS-CoV-2 neutralizing antibody titers were not observed in animals prior to vaccine administration or in saline-administered control animals.

10. CONCLUSION

Intramuscular administration of BNT162b1, BNT162b2 and BNT162b3 before and during gestation to female Wistar (CRL:WI[Han]) rats was associated with non-adverse effects (body weight, food consumption and effects localized to the injection site) after each dose administration. There were no effects of any of the 3 vaccine candidates on mating performance or fertility in F0 female rats or on embryo-fetal or postnatal survival, growth, or development of the F1 offspring.

An immune response was confirmed in F0 female rats following administration of each vaccine candidate and these responses were also detectable in the F1 offspring (fetuses and pups).

11. REFERENCES

1. Chapin RE and Heck HD. Editorial: An exchange of view on culling. *Fundam. Appl. Toxicol.* 1997 38,1.
2. Agnish ND and Keller KA. The rationale for culling of rodent litters. *Fundam. Appl. Toxicol.* 1997 38, 2-6.
3. Palmer AK and Ulbrich BC. The cult of culling. *Fundam. Appl. Toxicol.* 1997 38, 7-22.
4. Kuwagata et al. Historical control data on developmental toxicity studies in rats. *Congenital Anomalies.* 2018 59, 125-131.

EXPLANATION PAGE

All day(s) referenced throughout the outputs generated are study days beginning with Study Day 1, the first day of dosing.

Abbreviations consistent throughout the Summary and Individual Tables.

Note: All of the abbreviations listed on these pages may not be applicable to this report.

The footnote "*" = result to left has an associated comment or marker" was printed on the following table without values marked with an asterisk due to data acquisition constraints.

Statistical significances arise from automatic comparisons with the principal control.

Principal Control Group: 1.

*: 5% significance level

**: 1% significance level

***: 0.1% significance level

Statistical significance is represented by "x", "xx" or "xxx", where "x" is a letter indicating which statistical test has been performed and where "x" corresponds to 0.05, "xx" corresponds to 0.01 and "xxx" corresponds to "0.001". On some occasions, the statistical significance does not appear on the tables due to system constraints.

GENERAL

Abbreviation	Description
< or >	Out of range
% Diff	% Difference from control group
DC	Died post-coitum
DP or MDPP	Moribund/died post-partum
EP	Euthanized preterminally
FM	Failed to mate
FME	Failed to mate excluded
G or GD	Gestation day
LD	Lactation day
mcg	µg
Mean	Arithmetic mean
m or M, f or F	Male, Female
MT, MTP	Mistimed pregnancy
N	Number of values included in analysis
NA	Not applicable
NC	Not calculable
NF, NVF	No viable fetuses
No.	Animal number
no.	Number
NP	Not pregnant
NPE	Not pregnant excluded
NV	No viable embryos/fetuses
P	Pregnant
RC	Result comment
S.D. or SD	Standard deviation
SpCMSD	Mean SD
tCtrl	Mean treated group versus control group ratio
TD or Total LDeath	Total litter death
TR	Total resorption
UD	Unable to deliver, sacrificed
Wx	Week x

MORTALITY

Abbreviation	Description	Abbreviation	Description
ACCD	Accidental death	REL	Released
AD	Accidental death	TTP2	Pup transfer
AI	Interim euthanasia	TE	Terminal euthanasia
AM SIR	Mortality recorded in the morning	TERM	Terminal euthanasia
FD	Found dead	TLD	Total litter death
FL	Failed to litter	TS	Terminal euthanasia
HS	Moribund euthanasia	UE	Unscheduled euthanasia
INTM	Interim euthanasia	UNSC	Unscheduled euthanasia
PUE	Pup unscheduled euthanasia	UT	Unplanned terminal euthanasia
REC	Recovery euthanasia	VE	Removed from study alive

CLINICAL OBSERVATIONS

Abbreviation	Description	Abbreviation	Description
xM	Clinical observations performed x minutes postdosing. Target times are presented. Actual times are kept in the raw data.	P2DS	Observation performed before the second dosing
xH or x	Clinical observations performed x hour(s) postdosing. Target times are presented. Actual times are kept in the raw data.	Part	Particules
+xh	Clinical observations performed x hour(s) postdosing. Target times are presented. Actual times are kept in the raw data.	PM_S	Observation performed in the afternoon
AM_S	Observation performed in the morning	PR	Observation predosing
BEF	Before dosing	PT	Permanent
Daily x	Clinical observations on days without dosing	Rx	Observation during dosing
DuRx	Observation during dosing	Sev Not App	Severity not applicable
DT	Observation during dosing	UDu	Unscheduled observation during dosing
EOD	Observation performed at the end of day	Un	Unscheduled observation
no TT area	Non treated area	Unsc or NS	Unscheduled observation
OTHR	Other	VET or Veto x	Veterinary observation
P	Observation postdosing	w/	With

Notes:

Injection site 1: left quadriceps

Injection site 2: right quadriceps

Clinical signs from all females with mating date (including not pregnant females) were presented in table "Summary Gestation Clinical Observations" and appendix "Individual Gestation Clinical Observations".

Only mistimed pregnancy female and failed to mate female were presented in appendix "Individual Clinical Observations of Excluded Females".

On 05 September 2020, sore on right forelimb was recorded for several females from littering subgroup. The females number was not recorded.

On GD18, teeth were cut from F202 (Control group). Information "lower teeth" or "upper teeth" were not recorded.

On several occasions on non-dosing days during lactation period, detailed clinical observations were recorded on timeslot BEF (before dosing).

Only animals and occasions with findings are presented.

BODY WEIGHT/BODY WEIGHT GAIN

Notes:

Pre-mating body weights on Days -26, -25, -21 and -20 were not represented in Figure 2 as only half animals were weighed.

F245 (BNT162b2 group) delivered on GD20, the body weight recorded on GD21 corresponds to LD1 due to system constraints.

F208 (Control group) and F263 (BNT162b2 group) were additionally weighed on LD0.

FOOD CONSUMPTION

Note:

The quantity of remaining food was not weighed on GD21 for F245 (BNT162b2 group) because this female littered on GD20. Therefore, no food consumption was calculated for GD18 to 21 and GD0 to GD21.

ESTROUS CYCLE

Note:

For each female, the day after which a last stage of cycle was recorded corresponds to the day where it was declared positive for the presence of sperm. This day was determined as the mating day and was recorded as Gestation Day (GD0). No mating day was determined for any female with a stage of cycle recorded on Day 36.

GRAVID UTERINE WEIGHTS AND MATERNAL BODY WEIGHT CHANGE

Abbreviation	Description	Abbreviation	Description
0-TBW	Weight calculation from G0 to terminal body weight (corrected)	Day X	Day X of gestation
6-TBW	Weight calculation from G6 to terminal body weight (corrected)	G	Gestation day
BW	Body weight	NRQ	Not required
BWC	Body weight change	NSCH	Not scheduled to be performed
BWG	Body weight gain	TBW	Terminal body weight
		Wt	Weight

Note:



CAESAREAN SECTION DATA

Abbreviation	Description	Abbreviation	Description
Post-Implant Loss	Post-Implantation Loss	Pre-Implant Loss or Pre-Impl.	Pre-Implant Loss
(B)	Both (males and females)	P-Implants	Post-implantation loss
both	Both (males and females)	Post-Implant Loss	Post-implantation loss
N+ve	Number positive	Wt	Weight

FETAL DATA AND OBSERVATIONS

Abbreviation	Description	Abbreviation	Description
!	Preparation artefact	L	Left
(%)	Mean % of litters with the abnormality	Litters(%) N	Group litter incidence
A	Anomalie	L or LF	Live fetus
A	Alive	LR	Late resorption
Abbr	Abbreviation	M	Malformation
DE	Dead embryo	PLWT	Placental weight
DF	Dead fetus – not examined	R	Right
DFE	Dead fetus - examined	S	Scar
EI	Empty implantation site	SkeletalBody	Skeletal examination of body
E or ER	Early resorption	SkeletalHead	Skeletal examination of head
FPOS	Fetal position	TR	Total resorption
FreshVisBody	Visceral examination of body on fresh tissue	U	Unsexed
FreshVisEye	Visceral examination of eye on fresh tissue	V	Variation
H	Hermaphrodite	VisBody	Visceral body
Implant ID	Implantation identification	VisHead	Visceral head
		Wt	Weight

DELIVERY AND LITTER DATA

Abbreviation	Description	Abbreviation	Description
Cannib.	Cannibalized	N+ve	Number of positive
Implantat	Implantation	PND	Postnatal day
Miss.	Missing		

PUP BODY WEIGHT

Abbreviation	Description	Abbreviation	Description
BW	Body weight	P4pr	Postnatal Day 4 preculling
dX	Postnatal day x	P4po	Postnatal Day 4 postculling
Meas.	Measurement	Px or PND	Postnatal Day x

INDIVIDUAL PHYSICAL AND FUNCTIONAL DEVELOPMENT

Notes:

Due to culling on PND4, observation of pinna unfolding for one unselected pup (weak pup) from F251 (BNT162b2 group) was not recorded on PND5.

Due to the technical error, observation of eyes opening for pups from F264 (BNT162b2 group) was recorded "0" on PND14. It was considered that number positive pups on PND15 was the same as PND14 for % calculation.

MACROSCOPIC OBSERVATION

Abbreviation	Description	Abbreviation	Description
?	Questionable	M	Mass
Animal Ref.	Animal number	ML	Macroscopic lesion (impossible to weight)
C	Clinical observation	MPF	Major pathological finding
E	Excluded	NBF	Neutral buffered formalin
G	Gross pathology	TGL	Trackable gross lesion
H	Histopathology		

Notes:

In the summary table, if no abnormality was detected for a given removal reason, no data are presented.

Only pups and occasions with findings are presented.

HISTORICAL CONTROL DATA

Abbreviation	Description
GD	Gestation day

Notes:

Values compiled from undosed and control Wistar and Sprague Dawley rats in previous studies.

Pivotal studies include those with a comparable group size as in the present study.

The historical control data presented in the Appendix are not subject to Quality Assurance audit.

FIGURES

TABLES

Provantis

Date: 07-Dec-2020 12:36 Page: 1

Summary Pre-Mating Clinical Observations of Females

20256434

Day numbers relative to Start Date

Sex: Female

	Control 0mcg		BNT162b2 30mcg	

Abnormal vocalisation				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Chromodacryorrhea				
Number of Observations	.		1	
Number of Animals	.		1	
Days from - to	.		17 17	
Desquamation				
Number of Observations	7		1	
Number of Animals	5		1	
Days from - to	2 8		2 2	
Erythema.				
Number of Observations	5		6	
Number of Animals	3		3	
Days from - to	1 2		1 2	
Limping				
Number of Observations	.		26	
Number of Animals	.		13	
Days from - to	.		9 10	
Localised hairloss				
Number of Observations	10		1	
Number of Animals	4		1	
Days from - to	-26 15		-25 -25	

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Provantis

Date: 07-Dec-2020 12:36 Page: 2

Summary Pre-Mating Clinical Observations of Females

20256434

 Day numbers relative to Start Date

Sex: Female

	Control 0mcg		BNT162b2 30mcg	

Missing tooth				
Number of Observations	2		.	
Number of Animals	1		.	
Days from - to	-3 1		.	
Piloerection				
Number of Observations	.		2	
Number of Animals	.		1	
Days from - to	.		9 10	
Red vaginal discharge				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Scab(s).				
Number of Observations	5		.	
Number of Animals	5		.	
Days from - to	-26 15		.	
Swelling.				
Number of Observations	.		92	
Number of Animals	.		44	
Days from - to	.		2 15	
Teeth long				
Number of Observations	1		.	
Number of Animals	1		.	
Days from - to	15 15		.	

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Provantis
 Summary Gestation Clinical Observations
 20256434

Date: 19-Oct-2020 17:57 Page: 1

 Day numbers relative to Mating Date

Sex: Female	Control 0mcg	[REDACTED]	BNT162b2 30mcg	[REDACTED]

Localised hairloss				
Number of Observations	20		33	
Number of Animals	6		11	
Days from - to	6 21		0 21	
Malocclusion				
Number of Observations	5		.	
Number of Animals	1		.	
Days from - to	9 21		.	
Piloerection				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Red stained fur				
Number of Observations	.		3	
Number of Animals	.		1	
Days from - to	.		6 12	
Scab(s).				
Number of Observations	1		2	
Number of Animals	1		2	
Days from - to	0 0		9 21	
Sore(s).				
Number of Observations	1		.	
Number of Animals	1		.	
Days from - to	15 15		.	

Provantis

Date: 19-Oct-2020 17:57 Page: 2

Summary Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Sex: Female	Control 0mcg	[REDACTED]	BNT162b2 30mcg	[REDACTED]
<hr/>				
Swelling.				
Number of Observations	.		12	
Number of Animals	.		10	
Days from - to	.		12 21	
Teeth long				
Number of Observations	1		.	
Number of Animals	1		.	
Days from - to	0 0		.	
Pup(s) - Cold to touch				
Number of Observations	.		1	
Number of Animals	.		1	
Days from - to	.		21 21	

Provantis
 Summary Lactation Clinical Observations
 20256434

Date: 19-Oct-2020 17:58 Page: 1

 Day numbers relative to Litter Date

Sex: Female	Control 0mcg	[REDACTED]	BNT162b2 30mcg	[REDACTED]

Bleeding				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Coloured skin				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Hunched				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Hunched gait				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Localised hairloss				
Number of Observations	26		18	
Number of Animals	5		3	
Days from - to	1 21		1 21	
Malocclusion				
Number of Observations	7		.	
Number of Animals	1		.	
Days from - to	1 21		.	

Provantis

Date: 19-Oct-2020 17:58 Page: 2

Summary Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Sex: Female

	Control 0mcg		BNT162b2 30mcg	

Nodule(s).				
Number of Observations	1		.	
Number of Animals	1		.	
Days from - to	21 21		.	
Pale				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Partly closed eye(s)				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Piloerection				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Purple area(s)				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Red vaginal discharge				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	

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Provantis

Date: 19-Oct-2020 17:58 Page: 3

Summary Lactation Clinical Observations

20256434

 Day numbers relative to Litter Date

Sex: Female	Control 0mcg		BNT162b2 30mcg	

Scab(s).				
Number of Observations	6		5	
Number of Animals	2		2	
Days from - to	4 21		4 21	
Soft distended abdomen				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Sore(s)				
Number of Observations	3		.	
Number of Animals	1		.	
Days from - to	13 20		.	
Swelling.				
Number of Observations	2		3	
Number of Animals	1		3	
Days from - to	9 10		1 1	
Teeth cut				
Number of Observations	1		.	
Number of Animals	1		.	
Days from - to	1 1		.	
Total litter death				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	

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Date: 19-Oct-2020 17:58 Page: 4

Summary Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Sex: Female

	Control 0mcg		BNT162b2 30mcg	
Pup(s) - Weak				
Number of Observations	.		6	
Number of Animals	.		2	
Days from - to	.		0 4	
Pup(s) - Thin				
Number of Observations	.		1	
Number of Animals	.		1	
Days from - to	.		3 3	
Pup(s) - Pale				
Number of Observations	.		2	
Number of Animals	.		2	
Days from - to	.		0 3	
Pup(s) - Cold to touch				
Number of Observations	.		3	
Number of Animals	.		3	
Days from - to	.		0 3	
Pup(s) - Cyanotic				
Number of Observations	.		1	
Number of Animals	.		1	
Days from - to	.		3 3	
Pup(s) -Incomplete hair growth				
Number of Observations	17		18	
Number of Animals	2		2	
Days from - to	9 20		10 21	

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Date: 19-Oct-2020 17:58 Page: 5

Summary Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Sex: Female

	Control 0mcg		BNT162b2 30mcg	

Pup(s) - Haematoma(s)				
Number of Observations	6		3	
Number of Animals	2		2	
Days from - to	1 11		0 1	
Pup(s) - Chromodacryorrhea				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Pup(s) - Lacrimation				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
MORIBUND SACRIFICE				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
UNPLANNED TERMINAL SACRIFICE				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	
Pup(s) - Red ocular mucous mem				
Number of Observations	.		.	
Number of Animals	.		.	
Days from - to	.		.	

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06-Nov-2020 15:44:50

Page: 1

Mean Pre-Mating Body Weight of Females

20256434

Body Weight (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Start Date					
-26	Mean	160.99 R ¹		163.60	
	SD	13.11		17.64	
	N	22		22	
	%Diff	-		1.63	
-25	Mean	163.98 L ²		165.56	
	SD	14.48		14.15	
	N	22		22	
	%Diff	-		0.97	
-21	Mean	173.80 L ²		176.97	
	SD	13.45		17.45	
	N	22		22	
	%Diff	-		1.82	
-20	Mean	177.46 I ³		179.14	
	SD	14.57		16.54	
	N	22		22	
	%Diff	-		0.95	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [R - Automatic Transformation: Rank]

3 [I - Automatic Transformation: Identity (No Transformation)]

2 [L - Automatic Transformation: Log]

CONFIDENTIAL

Provantis

06-Nov-2020 15:44:50

Page: 2

Mean Pre-Mating Body Weight of Females

20256434

Body Weight (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Start Date					
-14	Mean	189.68 L ¹		192.61	
	SD	15.40		16.69	
	N	44		44	
	%Diff	-		1.55	
-7	Mean	202.55 R ²		206.60	
	SD	16.23		16.39	
	N	44		44	
	%Diff	-		2.00	
1	Mean	216.49 I ³		219.15	
	SD	17.85		17.75	
	N	44		44	
	%Diff	-		1.23	
4	Mean	221.34 L ¹		218.51	
	SD	17.81		18.10	
	N	44		44	
	%Diff	-		-1.28	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [L - Automatic Transformation: Log]

3 [I - Automatic Transformation: Identity (No Transformation)]

2 [R - Automatic Transformation: Rank]

CONFIDENTIAL

Provantis

06-Nov-2020 15:44:50

Page: 3

Mean Pre-Mating Body Weight of Females

20256434

Body Weight (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Start Date					
8	Mean	227.71 L ¹		224.13	
	SD	18.80		19.18	
	N	44		44	
	%Diff	-		-1.57	
11	Mean	229.02 L ¹		222.45	
	SD	18.42		18.60	
	N	44		44	
	%Diff	-		-2.87	
15	Mean	233.81 L ¹		228.58	
	SD	17.24		18.32	
	N	44		44	
	%Diff	-		-2.23	
18	Mean	235.81 L ¹		234.09	
	SD	16.08		18.89	
	N	44		44	
	%Diff	-		-0.73	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [L - Automatic Transformation: Log]

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06-Nov-2020 15:44:50

Page: 4

Mean Pre-Mating Body Weight of Females

20256434

Body Weight (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Start Date					
22	Mean	240.13 L ¹		239.54	
	SD	18.13		19.41	
	N	44		44	
	%Diff	-		-0.25	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [L - Automatic Transformation: Log]

Provantis

06-Nov-2020 15:44:04

Page: 1

Mean Pre-Mating Body Weight Change of Females

20256434

Body Weight Change (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Start Date					
-26-21	Mean	12.82 R ¹		13.36	
	SD	4.35		3.59	
	N	22		22	
	%Diff	.		4.26	
-25-20	Mean	13.48 I ²		13.57	
	SD	5.15		4.99	
	N	22		22	
	%Diff	.		0.67	
-20-14	Mean	13.00 R ¹		13.76	
	SD	5.23		6.67	
	N	22		22	
	%Diff	.		5.84	
-21-14	Mean	15.08 I ²		15.36	
	SD	3.94		4.71	
	N	22		22	
	%Diff	.		1.84	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [R - Automatic Transformation: Rank]

2 [I - Automatic Transformation: Identity (No Transformation)]

CONFIDENTIAL

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06-Nov-2020 15:44:04

Page: 2

Mean Pre-Mating Body Weight Change of Females

20256434

Body Weight Change (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Start Date					
-14-7	Mean	12.88 R ¹		13.98	
	SD	5.50		6.82	
	N	44		44	
	%Diff	.		8.60	
-7-1	Mean	13.94 R ¹		12.55	
	SD	7.32		9.13	
	N	44		44	
	%Diff	.		-9.96	
1-4	Mean	4.85 ²		-0.64 ddd ³	
	SD	4.74		4.73	
	N	44		44	
	%Diff	.		-113.13	
4-8	Mean	6.37 R ¹		5.62	
	SD	4.25		4.16	
	N	44		44	
	%Diff	.		-11.81	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [R - Automatic Transformation: Rank]

3 [ddd - Test: Dunnett 2 Sided p < 0.001]

2 [.,aaa - Automatic Transformation: Identity (No Transformation), (All Groups) Test: Analysis of Variance p <

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Provantis

06-Nov-2020 15:44:04

Page: 3

Mean Pre-Mating Body Weight Change of Females

20256434

Body Weight Change (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Start Date					
8-11	Mean	1.31 ¹		-1.69	
	SD	6.07		5.67	
	N	44		44	
	%Diff	.		-229.04	
11-15	Mean	4.79 ^{R²}		6.14	
	SD	6.17		5.49	
	N	44		44	
	%Diff	.		28.13	
15-18	Mean	2.00 ^{R,k³}		5.50 ^{dd⁴}	
	SD	5.69		4.64	
	N	44		44	
	%Diff	.		175.11	
18-22	Mean	4.32 ^{R²}		5.45	
	SD	4.23		3.97	
	N	44		44	
	%Diff	.		26.25	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

¹ [R,kk - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.01]

³ [R,k - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.05]

⁵ [ddd - Test: Dunnett Non-Parametric 2 Sided p < 0.001]

² [R - Automatic Transformation: Rank]

⁴ [dd - Test: Dunnett Non-Parametric 2 Sided p < 0.01]

⁶ [d - Test: Dunnett Non-Parametric 2 Sided p < 0.05]

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06-Nov-2020 15:44:04

Page: 4

Mean Pre-Mating Body Weight Change of Females

20256434

Body Weight Change (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Start Date					
1-22	Mean	23.64	R ¹	20.39	
	SD	9.93		9.45	
	N	44		44	
	%Diff			-13.73	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [R - Automatic Transformation: Rank]

Provantis
 Mean Gestation Body Weight

06-Nov-2020 15:50:57

Page: 1

20256434

Body Weight (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Mating (Litter: /)					
0	Mean	241.30 L ¹		241.23	
	SD	20.73		19.34	
	N	43		42	
	%Diff	-		-0.03	
6	Mean	261.04 L ¹		261.16	
	SD	22.34		18.67	
	N	43		42	
	%Diff	-		0.05	
9	Mean	269.97 L ¹		270.42	
	SD	22.98		19.10	
	N	43		42	
	%Diff	-		0.17	
12	Mean	283.52 L ¹		276.13	
	SD	24.24		18.87	
	N	43		42	
	%Diff	-		-2.61	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [L - Automatic Transformation: Log]

Provantis
 Mean Gestation Body Weight

06-Nov-2020 15:50:57

Page: 2

20256434

Body Weight (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Mating (Litter: /					
15	Mean	296.72 L ¹		290.04	
	SD	24.44		21.19	
	N	43		42	
	%Diff	-		-2.25	
18	Mean	331.88 L ¹		325.33	
	SD	27.03		25.07	
	N	43		42	
	%Diff	-		-1.97	
21	Mean	365.98 ^{1,a²}		350.15 d ³	
	SD	29.55		31.12	
	N	43		42	
	%Diff	-		-4.32	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [L - Automatic Transformation: Log]
 3 [d - Test: Dunnett 2 Sided p < 0.05]

2 [],a - Automatic Transformation: Identity (No Transformation), (All Groups) Test: Analysis of Variance p < 0

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Provantis
 Mean Gestation Body Weight Change

06-Nov-2020 15:51:29

Page: 1

20256434

Body Weight Change (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Mating (Litter: /)					
0-6	Mean	19.75 ¹		19.94	
	SD	6.20		5.40	
	N	43		42	
	%Diff	.		0.95	
6-9	Mean	8.931, ^{a2}		9.26	
	SD	3.82		4.37	
	N	43		42	
	%Diff	.		3.71	
9-12	Mean	13.55 ³		5.70 ^{ddd5}	
	SD	3.77		4.16	
	N	43		42	
	%Diff	.		-57.89	
12-15	Mean	13.20 ^{R4}		13.91	
	SD	3.24		6.22	
	N	43		42	
	%Diff	.		5.37	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [- Automatic Transformation: Identity (No Transformation)]

2 [,a - Automatic Transformation: Identity (No Transformation), (All Groups) Test: Analysis of Variance p < 0

3 [,aaa - Automatic Transformation: Identity (No Transformation), (All Groups) Test: Analysis of Variance p · 4 [R - Automatic Transformation: Rank]

5 [ddd - Test: Dunnett 2 Sided p < 0.001]

CONFIDENTIAL

Provantis
 Mean Gestation Body Weight Change
 20256434

06-Nov-2020 15:51:29

Page: 2

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Mating (Litter: /)					
15-18	Mean	35.16 ¹		35.29	
	SD	5.81		7.81	
	N	43		42	
	%Diff	.		0.38	
18-21	Mean	34.10 ²		24.82 ddd ³	
	SD	5.64		22.27	
	N	43		42	
	%Diff	.		-27.20	
0-21	Mean	124.68 ²		108.93 ddd ³	
	SD	14.14		22.08	
	N	43		42	
	%Diff	.		-12.64	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [I - Automatic Transformation: Identity (No Transformation)]
 3 [ddd - Test: Dunnett Non-Parametric 2 Sided p < 0.001]

2 [R, kkk - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.001]
 4 [d - Test: Dunnett Non-Parametric 2 Sided p < 0.05]

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Provantis
 Mean Lactation Body Weight

06-Nov-2020 15:32:14 Page: 1

20256434

Body Weight (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter:					
1	Mean	257.97 R ¹		257.36	
	SD	29.31		19.91	
	N	22		21	
	%Diff	-		-0.24	
4	Mean	280.10 R ¹		278.83	
	SD	26.24		17.71	
	N	22		21	
	%Diff	-		-0.45	
7	Mean	289.97 L ²		290.31	
	SD	24.89		17.19	
	N	22		21	
	%Diff	-		0.12	
10	Mean	298.86 L ²		296.55	
	SD	23.50		17.47	
	N	22		21	
	%Diff	-		-0.77	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [R - Automatic Transformation: Rank]

2 [L - Automatic Transformation: Log]

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Provantis
 Mean Lactation Body Weight

06-Nov-2020 15:32:14 Page: 2

20256434

Body Weight (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter:					
14	Mean	305.30 ¹		304.29	
	SD	23.50		18.86	
	N	22		21	
	%Diff	-		-0.33	
17	Mean	303.55 ¹		303.92	
	SD	22.84		17.88	
	N	22		21	
	%Diff	-		0.12	
21	Mean	291.04 ¹		293.30	
	SD	21.86		15.56	
	N	22		21	
	%Diff	-		0.78	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [- Automatic Transformation: Identity (No Transformation)]

Provantis
 Mean Lactation Body Weight Change

06-Nov-2020 15:36:52 Page: 1

20256434

Body Weight Change (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter:					
1-4	Mean	22.13 R ¹		21.47	
	SD	9.92		10.49	
	N	22		21	
	%Diff	.		-2.99	
4-7	Mean	9.88 I ²		11.48	
	SD	4.27		4.88	
	N	22		21	
	%Diff	.		16.24	
7-10	Mean	8.89 I ²		6.24	
	SD	5.32		6.01	
	N	22		21	
	%Diff	.		-29.75	
10-14	Mean	6.44 I ²		7.74	
	SD	5.28		7.51	
	N	22		21	
	%Diff	.		20.22	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [R - Automatic Transformation: Rank]

2 [I - Automatic Transformation: Identity (No Transformation)]

CONFIDENTIAL

Provantis
 Mean Lactation Body Weight Change

06-Nov-2020 15:36:52 Page: 2

20256434

Body Weight Change (g)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter:					
14-17	Mean	-1.75 ¹		-0.37	
	SD	6.22		7.06	
	N	22		21	
	%Diff	.		-79.05	
17-21	Mean	-12.50 ¹		-10.62	
	SD	7.56		6.62	
	N	22		21	
	%Diff	.		-15.08	
1-21	Mean	33.07 ¹		35.94	
	SD	16.53		11.57	
	N	22		21	
	%Diff	.		8.68	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [- Automatic Transformation: Identity (No Transformation)]

Provantis

06-Nov-2020 15:48:40

Page: 1

Mean Pre-Mating Food Consumption of Females

20256434FC

Food Consumption (g/animal/day)

Sex: Female		Control 0mcg	BNT162b2 30mcg
Day(s) Relative to Start Date			
1-8	Mean	18.49 ¹	16.79 ddd ⁴
	SD	1.44	1.15
	N	44	44
	%Diff	.	-9.17
8-15	Mean	18.73 R,k ²	17.87 d ⁵
	SD	1.71	1.32
	N	44	44
	%Diff	.	-4.57
15-22	Mean	18.09 ¹	19.34 ddd ⁴
	SD	1.03	0.86
	N	44	44
	%Diff	.	6.94
1-22	Mean	18.43 ³	18.00
	SD	1.08	0.82
	N	44	44
	%Diff	.	-2.34

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [R,kkk - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.001]
 3 [R,kk - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.01]
 5 [d - Test: Dunnett Non-Parametric 2 Sided p < 0.05]

2 [R,k - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.05]
 4 [ddd - Test: Dunnett Non-Parametric 2 Sided p < 0.001]

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Provantis
 Mean Gestation Food Consumption

06-Nov-2020 15:51:21

Page: 1

20256434

Food Consumption (g/animal/day)

Sex: Female		Control 0mcg	BNT162b2 30mcg
Day(s) Relative to Mating (Litter: /)			
0-6	Mean	19.69 L ¹	20.59
	SD	2.59	1.99
	N	43	42
	%Diff	.	4.61
6-9	Mean	21.56 I ²	22.29
	SD	2.64	2.23
	N	43	42
	%Diff	.	3.38
9-12	Mean	22.95 ³	19.26 ddd ⁴
	SD	2.63	2.22
	N	43	42
	%Diff	.	-16.08
12-15	Mean	23.06 L ¹	22.46
	SD	2.19	2.22
	N	43	42
	%Diff	.	-2.59

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [L - Automatic Transformation: Log]

2 [I - Automatic Transformation: Identity (No Transformation)]

3 [I,aaa - Automatic Transformation: Identity (No Transformation), (All Groups) Test: Analysis of Variance p < 4 [ddd - Test: Dunnett 2 Sided p < 0.001]

CONFIDENTIAL

Provantis
 Mean Gestation Food Consumption

06-Nov-2020 15:51:21 Page: 2

20256434

Food Consumption (g/animal/day)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Mating (Litter: /)					
15-18	Mean	25.33 R ¹		24.84	
	SD	3.58		2.77	
	N	43		42	
	%Diff	.		-1.94	
18-21	Mean	23.41 I ²		22.66	
	SD	2.71		2.17	
	N	43		41	
	%Diff	.		-3.21	
0-21	Mean	22.24 I ²		21.80	
	SD	2.21		1.75	
	N	43		41	
	%Diff	.		-1.98	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [R - Automatic Transformation: Rank]

2 [I - Automatic Transformation: Identity (No Transformation)]

Provantis
 Mean Lactation Food Consumption
 20256434

06-Nov-2020 15:38:04

Page: 1

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter:					
1-4	Mean	35.64 ¹		36.72	
	SD	4.25		5.72	
	N	22		21	
	%Diff	.		3.02	
4-7	Mean	41.48 ²		43.65	
	SD	3.84		4.93	
	N	22		21	
	%Diff	.		5.22	
7-10	Mean	51.06 ²		51.31	
	SD	3.96		6.20	
	N	22		21	
	%Diff	.		0.49	
10-14	Mean	58.48 ³		59.12	
	SD	5.13		7.17	
	N	22		21	
	%Diff	.		1.09	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [I - Automatic Transformation: Identity (No Transformation)]

2 [R - Automatic Transformation: Rank]

3 [R,kk - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.01]

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Provantis
 Mean Lactation Food Consumption
 20256434

06-Nov-2020 15:38:04

Page: 2

Food Consumption (g/animal/day)

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter:					
14-17	Mean	63.35 R, k ¹		62.73	
	SD	4.74		7.84	
	N	22		21	
	%Diff	.		-0.97	
17-21	Mean	66.81 ²		67.71	
	SD	6.05		8.32	
	N	22		21	
	%Diff	.		1.34	
1-21	Mean	53.79 R, k ¹		54.53	
	SD	4.26		6.18	
	N	22		21	
	%Diff	.		1.37	

Statistical Test: Generalised Anova/Ancova Test Transformation: Automatic

1 [R,k - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.05]

3 [d - Test: Dunnett Non-Parametric 2 Sided p < 0.05]

2 [R,kk - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.01]

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20256434
 Mean Estrous Cycle Data - Before Dosing

Parameter	Cycle length (days)	Irregularity index	Percentage of estrus days	Percentage of females acyclic or with acyclic period
Group 1, Control, 0 µg				
MEAN	4.02	0.19	26.95	
SD	0.19	0.30	6.14	0
N	44	44	44	
[REDACTED]				
Group 3, BNT162b2, 30 µg				
MEAN	4.00	0.18	26.70	
SD	0.11	0.30	5.00	4.5
N	42	42	42	
[REDACTED]				

20256434
 Mean Estrous Cycle Data - Pre-Mating Period

Parameter	Cycle length (days)	Irregularity index	Percentage of estrus days	Percentage of females acyclic or with acyclic period
Group 1, Control, 0 µg				
MEAN	4.00	0.03	25.19	
SD	0.00	0.14	3.94	18.2
N	36	36	36	
[REDACTED]				
Group 3, BNT162b2, 30 µg				
MEAN	4.02	0.05	24.07	
SD	0.13	0.12	3.66	18.2
N	36	36	36	
[REDACTED]				

20256434
 Summary of Cohabitation Data and Maternal Performance
 Littering and Caesarean Subsets

GROUP	1	3
DOSING	Control 0 µg	BNT162b2 30 µg
<u>LITTERING AND CAESAREAN SUBSETS:</u>		
NUMBER OF FEMALES:		
Paired	44	44
Failed to mate	0	0
Inseminated	44	44
Not pregnant	1C	1C+1L
Mistimed pregnancy	0	0
Pregnant	43	42
PRE - COITAL INTERVAL - DAYS		
MEAN	3.0	2.8
SD	2.2	1.7
N	44	44
COPULATION INDEX (%)	100	100
PREGNANCY RATE (%)	98	95
FERTILITY INDEX (%)	98	95
Caesarean phase (inseminated females)		
- With viable fetuses	21	21
Lactation phase (inseminated females)		
- Females with live pups ⁽²⁾	22	21
- Euthanized moribund post-partum	0	0
- Total litter death post-partum	0	0
- Reared pups to weaning	22	21
GESTATION INDEX (%)	100	100

C: Caesarean phase

L: Lactation phase

⁽¹⁾ mistimed pregnancy for one pair of rats

⁽²⁾ including one euthanized moribund post-partum female from group 4

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06-Nov-2020 15:54:50

Page: 1

Mean Gravid Uterus Weight and Maternal Body Weight Change

20256434

Day(s): G21 Relative to Mating (Litter: A)

Sex: Female		Control 0mcg	BNT162b2 30mcg
Gravid Uterus (g)	Mean SD N %Diff	86.32 R,k ¹ 7.69 21 -	87.65 13.48 21 1.53
Necropsy BW (g)	Mean SD N %Diff	366.51 I,a ³ 24.72 21 .	351.47 26.24 21 -4.11
Adjusted BW (g)	Mean SD N %Diff	280.19 L ⁴ 22.08 21 .	263.82 15.75 21 -5.84
Net BWC from G6 (g)	Mean SD N %Diff	104.25 ^s 7.27 21 .	93.20 dd ⁶ 15.12 21 -10.61
Net BWC - Uterine Wt (g)	Mean SD N %Diff	17.93 ^s 7.54 21 .	5.55 ddd ⁹ 8.56 21 -69.06
Mean Foetal Wt (Both) (g)	Mean SD N %Diff	4.89 I ⁺ 0.23 21 .	4.90 0.30 21 0.25
No. Live Foetuses	Mean SD %Diff	13.2 R,k ¹ 1.6 .	13.1 2.1 -0.4

+ [Footnote is displayed in the Comments and Markers page]

1 [R,k - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.05]

2 [d - Test: Dunnett Non-Parametric 2 Sided p < 0.05]

3 [I,a - Automatic Transformation: Identity (No Transformation), (All Groups) Test: Analysis of Variance p < 0.05]

4 [L - Automatic Transformation: Log]

5 [R,kkk - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.001]

6 [dd - Test: Dunnett Non-Parametric 2 Sided p < 0.01]

7 [ddd - Test: Dunnett Non-Parametric 2 Sided p < 0.001]

8 [I,aaa - Automatic Transformation: Identity (No Transformation), (All Groups) Test: Analysis of Variance p < 0.001]

9 [ddd - Test: Dunnett 2 Sided p < 0.001]

0 [d - Test: Dunnett 2 Sided p < 0.05]

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07-Dec-2020 11:00:13

Page: 1

Mean Caesarean Section Data

20256434

Sex: Female		Control 0mg		BNT162b2 30mg	
Day(s) Relative to Mating (Litter: A)					
Females Pregnant [CHSQFS]	N+ve	21		21	
Dams with Viable Foetuses		21		21	
No. of Corpora Lutea [GEN AN]	Mean	14.7	I ¹	15.5	
	SD	1.6		2.1	
	Sum	309	I ¹	326	
No. of Implantations [GEN AN]	Mean	14.1	R ²	14.0	
	SD	1.6		2.2	
	Sum	296	R ²	294	
Pre-Implantation Loss [GEN AN]	Mean	0.6	R,k ³	1.5	d ⁴
	SD	1.0		1.3	
	Sum	13	R,k ³	32	d ⁴
Pre-Implantation Loss (%) [KWLWCX]	Mean	4.09	k ⁵	9.77	d ⁴
	SD	6.56		8.09	
No. of Early Resorptions [GEN AN]	Mean	0.8	R ²	0.7	
	SD	1.2		1.0	
	Sum	16	R ²	14	
Early Resorptions (%) [KWLWCX]	Mean	5.04		4.62	
	SD	7.23		6.12	
No. of Late Resorptions [GEN AN]	Mean	0.1	R ²	0.2	
	SD	0.4		0.5	
	Sum	3	R ²	4	
Late Resorptions (%) [KWLWCX]	Mean	1.05		1.23	
	SD	2.66		3.27	
No. of Dead Foetuses [GEN AN]	Mean	0.0	R ²	0.0	
	SD	0.0		0.0	
	Sum	0	R ²	0	
Post-Implantation Loss [GEN AN]	Mean	0.9	R ²	0.9	
	SD	1.2		1.2	
	Sum	19	R ²	18	

[CHSQFS] - Chi-Squared & Fisher's Exact
 [GEN AN] - Generalised Anova/Ancova Test
 [KWLWCX] - Kruskal Wallis & Wilcoxon
 1 [I - Automatic Transformation: Identity (No Transformation)]
 2 [R - Automatic Transformation: Rank]
 3 [R,k - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.05]
 4 [d - Test: Dunnett Non-Parametric 2 Sided p < 0.05]
 5 [k - (All Groups) Test: Kruskal-Wallis p < 0.05]

Provantis

07-Dec-2020 11:00:13

Page: 2

Mean Caesarean Section Data

20256434

Sex: Female		Control 0mg		BNT162b2 30mg
Day(s) Relative to Mating (Litter: A)				
Post-Implantation Loss (%) [KWLWCX]	Mean	6.10		5.85
	SD	7.64		7.28
No. of Live Foetuses [GEN AN]	Mean	13.2 R,k ¹		13.1
	SD	1.6		2.1
	Sum	277 R,k ¹		276
No. of Male Foetuses [GEN AN]	Mean	6.1 I ²		6.7
	SD	1.7		2.0
	Sum	129 I ²		141
No. of Female Foetuses [GEN AN]	Mean	7.0 I ²		6.4
	SD	2.1		1.5
	Sum	148 I ²		135
Male Foetuses (%) [KWLWCX]	Mean	46.96		50.66
	SD	14.27		10.69
Total Litter Weight (g) [GEN AN]	Mean	64.23 ³		64.32
	SD	5.91		10.53
	N	21		21
	%Diff	.		0.14
Mean Foetal Weight (both) (g) [GEN AN]	Mean	4.89 I ²		4.90
	SD	0.23		0.30
	N	21		21
	%Diff	.		0.25
Mean Foetal Weight (M) (g) [GEN AN]	Mean	5.00 I ²		5.02
	SD	0.21		0.30
Mean Foetal Weight (F) (g) [GEN AN]	Mean	4.79 I ²		4.77
	SD	0.24		0.32

[KWLWCX] - Kruskal Wallis & Wilcoxon

[GEN AN] - Generalised Anova/Ancova Test

1 [R,k - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.05]

2 [I - Automatic Transformation: Identity (No Transformation)]

3 [R,kk - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.01]

4 [d - Test: Dunnett Non-Parametric 2 Sided p < 0.05]

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07-Dec-2020 11:10:14

Page: 1

Summary of Foetal External, Visceral and Skeletal Observations

20256434

Exam Type: External		Control 0mcg	BNT162b2 30mcg
Number of Fetuses Examined:		277	276
Number of Litters Examined:		21	21
Head/neck			
Head/neck, Exencephaly - (M)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Eye			
Eye, Open - (M)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Mouth/Jaw			
Mouth, Misshapen - (M)	Fetuses N(%)	0(0.0)	1(0.4)
	Litters N(%)	0(0.0)	1(4.8)
Jaw, Agnathia - (M)	Fetuses N(%)	0(0.0)	1(0.4)
	Litters N(%)	0(0.0)	1(4.8)
Body			
Trunk, Gastroschisis - (M)	Fetuses N(%)	0(0.0)	1(0.4)
	Litters N(%)	0(0.0)	1(4.8)
Trunk, Spina bifida - (M)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)

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07-Dec-2020 11:10:14

Page: 2

Summary of Foetal External, Visceral and Skeletal Observations

20256434

Exam Type: Visceral Body (Rat)		Control 0mcg	BNT162b2 30mcg
Number of Fetuses Examined:		133	132
Number of Litters Examined:		21	21
Heart			
Heart, Ventricular septum defect - (M)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Liver			
Liver, Abnormal lobation - (A)	Fetuses N(%)	1(0.8)	0(0.0)
	Litters N(%)	1(4.8)	0(0.0)
Lung			
Lobe, Absent - (A)	Fetuses N(%)	0(0.0)	1(0.8)
	Litters N(%)	0(0.0)	1(4.8)
Lobe, Supernumerary - (A)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Major blood vessel			
Aortic arch, Right-sided - (M)	Fetuses N(%)	0(0.0)	1(0.8)
	Litters N(%)	0(0.0)	1(4.8)
Ductus arteriosus, Narrowed - (M)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Subclavian artery, Malpositioned - (A)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Umbilical artery, Transposed - (V)	Fetuses N(%)	7(5.3)	13(9.8)
	Litters N(%)	6(28.6)	8(38.1)

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Provantis

07-Dec-2020 11:10:14

Page: 3

Summary of Foetal External, Visceral and Skeletal Observations

20256434

Exam Type: Visceral Body (Rat)		Control 0mcg	BNT162b2 30mcg
Number of Fetuses Examined:		133	132
Number of Litters Examined:		21	21
Vein			
Azygos vein, Transposed - (A)	Fetuses N(%)	1(0.8)	0(0.0)
	Litters N(%)	1(4.8)	0(0.0)

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07-Dec-2020 11:10:14

Page: 4

Summary of Foetal External, Visceral and Skeletal Observations

20256434

Exam Type: Visceral Head (Rat)		Control 0mcg	BNT162b2 30mcg
Number of Fetuses Examined:		133	132
Number of Litters Examined:		21	21
Eye			
Retina, Fold - (M)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)

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07-Dec-2020 11:10:14

Page: 5

Summary of Foetal External, Visceral and Skeletal Observations

20256434

Exam Type: Skeletal Head (Rat-G21)		Control 0mcg	BNT162b2 30mcg
Number of Fetuses Examined:		144	144
Number of Litters Examined:		21	21
Skull			
Cranium, Acrania - (M)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Hyoid, Incomplete ossification - (A)	Fetuses N(%)	0(0.0)	1(0.7)
	Litters N(%)	0(0.0)	1(4.8)
Interparietal, Incomplete ossification - (V)	Fetuses N(%)	3(2.1)	4(2.8)
	Litters N(%)	3(14.3)	3(14.3)
Mandible, Fused - (M)	Fetuses N(%)	0(0.0)	1(0.7)
	Litters N(%)	0(0.0)	1(4.8)
Mandible, Misshapen - (A)	Fetuses N(%)	0(0.0)	1(0.7)
	Litters N(%)	0(0.0)	1(4.8)
Mandible, Short - (M)	Fetuses N(%)	0(0.0)	1(0.7)
	Litters N(%)	0(0.0)	1(4.8)
Parietal, Incomplete ossification - (V)	Fetuses N(%)	0(0.0)	3(2.1)
	Litters N(%)	0(0.0) c ¹	3(14.3)
Presphenoid, Incomplete ossification - (A)	Fetuses N(%)	1(0.7)	0(0.0)
	Litters N(%)	1(4.8)	0(0.0)
Squamosal, Incomplete ossification - (V)	Fetuses N(%)	0(0.0)	1(0.7)
	Litters N(%)	0(0.0)	1(4.8)
Supraoccipital, Incomplete ossification - (V)	Fetuses N(%)	0(0.0)	2(1.4)
	Litters N(%)	0(0.0)	2(9.5)

1 [c - Group Factor Chi-Squared & Fisher's Exact Test: Chi-Squared p < 0.05]

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Provantis

07-Dec-2020 11:10:14

Page: 6

Summary of Foetal External, Visceral and Skeletal Observations

20256434

Exam Type: Skeletal Body (Rat-G21)	Control 0mcg		BNT162b2 30mcg	
	Number of Fetuses Examined:	144	144	144
	Number of Litters Examined:	21	21	21
General				
Vertebra, Presacral vertebral arches = 27 - (A)	Fetuses N(%)	0(0.0)		1(0.7)
	Litters N(%)	0(0.0)		1(4.8)
Forepaw				
Phalanx, Unossified - (A)	Fetuses N(%)	9(6.3)		6(4.2)
	Litters N(%)	7(33.3)		3(14.3)
Hindpaw				
Metatarsal, Unossified, 1st digit - (V)	Fetuses N(%)	3(2.1)		3(2.1)
	Litters N(%)	3(14.3)		3(14.3)
Phalanx, Unossified, proximal 2nd to 5th digits - (V)	Fetuses N(%)	46(31.9)		22(15.3)
	Litters N(%)	11(52.4)		7(33.3)
Ribs				
Ribs, Supernumerary cervical - (A)	Fetuses N(%)	3(2.1)		0(0.0)
	Litters N(%)	3(14.3)		0(0.0)
Ribs, Supernumerary lumbar - (A)	Fetuses N(%)	3(2.1)		12(8.3)
	Litters N(%)	3(14.3)		6(28.6)
Ribs, Thick - (A)	Fetuses N(%)	2(1.4)		4(2.8)
	Litters N(%)	1(4.8)		3(14.3)
Ribs, Wavy - (A)	Fetuses N(%)	0(0.0)		1(0.7)
	Litters N(%)	0(0.0)		1(4.8)
Ribs, Supernumerary lumbar, short - (V)	Fetuses N(%)	57(39.6)		71(49.3)

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07-Dec-2020 11:10:14

Page: 7

Summary of Foetal External, Visceral and Skeletal Observations

20256434

Exam Type: Skeletal Body (Rat-G21)		Control 0mcg	BNT162b2 30mcg
Number of Fetuses Examined:		144	144
Number of Litters Examined:		21	21
Ribs (Continued...)			
Ribs, Supernumerary lumbar, short - (V)	Litters N(%)	17(81.0)	18(85.7)
Sternebra			
Sternebra, Asymmetric - (A)	Fetuses N(%)	1(0.7)	0(0.0)
	Litters N(%)	1(4.8)	0(0.0)
Sternebra, Extra ossification site - (A)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Sternebra, Incomplete ossification, 1st/3rd - (A)	Fetuses N(%)	1(0.7)	1(0.7)
	Litters N(%)	1(4.8)	1(4.8)
Sternebra, Incomplete ossification, 2nd/4th - (V)	Fetuses N(%)	1(0.7)	2(1.4)
	Litters N(%)	1(4.8)	2(9.5)
Sternebra, Incomplete ossification, 6th - (V)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Sternebra, Minor fusion - (A)	Fetuses N(%)	1(0.7)	0(0.0)
	Litters N(%)	1(4.8)	0(0.0)
Sternebra, Misshapen - (A)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Sternebra, Unossified, 5th - (A)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Vertebra			
Caudal, Number < 5 - (A)	Fetuses N(%)	0(0.0)	2(1.4)

CONFIDENTIAL

Provantis

07-Dec-2020 11:10:14

Page: 8

Summary of Foetal External, Visceral and Skeletal Observations

20256434

Exam Type: Skeletal Body (Rat-G21)		Control 0mcg	BNT162b2 30mcg
Number of Fetuses Examined:		144	144
Number of Litters Examined:		21	21
Vertebra (Continued...)			
Caudal, Number < 5 - (A)	Litters N(%)	0(0.0)	2(9.5)
Cervical, Fused arch - (A)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Cervical, Incomplete ossification of arch - (A)	Fetuses N(%)	0(0.0)	2(1.4)
	Litters N(%)	0(0.0)	2(9.5)
Cervical, Multiple abnormalities - (M)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Cervical, Odontoid process unossified - (V)	Fetuses N(%)	9(6.3)	6(4.2)
	Litters N(%)	7(33.3)	4(19.0)
Cervical, Unossified centrum - (V)	Fetuses N(%)	3(2.1)	2(1.4)
	Litters N(%)	3(14.3)	2(9.5)
Lumbar, Number = 7 - (A)	Fetuses N(%)	1(0.7)	3(2.1)
	Litters N(%)	1(4.8)	2(9.5)
Sacral, Misshapen arch - (A)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Thoracic, Bipartite ossification of centrum - (A)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Thoracic, Incomplete ossification of centrum, 1st to 9th - (A)	Fetuses N(%)	1(0.7)	3(2.1)
	Litters N(%)	1(4.8)	3(14.3)
Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A)	Fetuses N(%)	6(4.2)	9(6.3)

CONFIDENTIAL

Provantis

07-Dec-2020 11:10:14

Page: 9

Summary of Foetal External, Visceral and Skeletal Observations

20256434

Exam Type: Skeletal Body (Rat-G21)		Control 0mcg	BNT162b2 30mcg
Number of Fetuses Examined:		144	144
Number of Litters Examined:		21	21
Vertebra (Continued...)			
Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A)	Litters N(%)	5(23.8) c ¹	9(42.9)
Thoracic, Multiple abnormalities - (M)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)
Thoracic, Number = 14 - (A)	Fetuses N(%)	0(0.0)	0(0.0)
	Litters N(%)	0(0.0)	0(0.0)

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20-Nov-2020 15:11:44

Page: 1

Summary of Delivery and Litter Data

20256434

Sex: Female		Control 0mcg		BNT162b2 30mcg
Day(s) Relative to Littering (Litter: A)				
Females Completing Delivery [CHSQFS]	N+ve	22		21
with Liveborn Pups [CHSQFS]	N+ve	22		21
with Stillborn Pups [CHSQFS]	N+ve	3		2
with all Stillborn Pups [CHSQFS]	N+ve	0		0
with all Dead PND 21 [CHSQFS]	N+ve	0		0
Gestation Length (Days) [GEN AN]	Mean	22.1 ¹		22.0
	SD	0.4		0.7
	N	22		21
Number of Implantation Sites [GEN AN]	Mean	14.3 ¹³		14.2
	SD	2.2		2.2
	N	22		21
	Sum	314 ¹³		298
Pre-Birth Loss (%) [GEN AN]	Mean	6.80 R,k ⁴		8.22
	SD	8.75		15.51
	N	22		21
Pups Delivered/Litter [GEN AN]	Mean	13.3 R,k ⁴		13.1
	SD	2.5		3.1
	N	22		21
	Sum	293 R,k ⁴		276

[CHSQFS] - Chi-Squared & Fisher's Exact

1 [R,kk - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.01]

3 [I - Automatic Transformation: Identity (No Transformation)]

5 [d - Test: Dunnett Non-Parametric 2 Sided p < 0.05]

[GEN AN] - Generalised Anova/Ancova Test

2 [dd - Test: Dunnett Non-Parametric 2 Sided p < 0.01]

4 [R,k - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.05]

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Provantis

20-Nov-2020 15:11:44

Page: 2

Summary of Delivery and Litter Data

20256434

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter: A)					
Live Pups PND 0 [GEN AN]	Mean	13.0 R,k ¹		13.0	
	SD	2.5		3.1	
	N	22		21	
	Sum	287 R,k ¹		274	
Live Pups PND 1 [GEN AN]	Mean	13.0 R,k ¹		13.0	
	SD	2.4		3.0	
	N	22		21	
	Sum	285 R,k ¹		273	
Live Pups Precull [GEN AN]	Mean	12.9 R,k ¹		12.9	
	SD	2.3		2.9	
	N	22		21	
	Sum	284 R,k ¹		271	
Live Pups Postcull [GEN AN]	Mean	8.0 R ³		7.8	
	SD	0.0		1.1	
	N	22		21	
	Sum	176 R ³		163	
Live Pups PND 7 [GEN AN]	Mean	8.0 R ³		7.8	
	SD	0.0		1.1	
	N	22		21	
	Sum	176 R ³		163	

[GEN AN] - Generalised Anova/Ancova Test
 2 [d - Test: Dunnett Non-Parametric 2 Sided p < 0.05]

1 [R,k - Automatic Transformation: Rank, (All Groups) Test: Kruskal-Wallis p < 0.05]
 3 [R - Automatic Transformation: Rank]

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Provantis
 Summary of Delivery and Litter Data

20-Nov-2020 15:11:44 Page: 3

20256434

Sex: Female		Control 0mcg		BNT162b2 30mcg
Day(s) Relative to Littering (Litter: A)				
Live Pups PND 10 [GEN AN]	Mean	8.0	R ¹	7.8
	SD	0.0		1.1
	N	22		21
	Sum	176	R ¹	163
Live Pups PND 14 [GEN AN]	Mean	8.0	R ¹	7.8
	SD	0.0		1.1
	N	22		21
	Sum	176	R ¹	163
Live Pups PND 17 [GEN AN]	Mean	8.0	R ¹	7.8
	SD	0.0		1.1
	N	22		21
	Sum	176	R ¹	163
Live Pups PND 21 [GEN AN]	Mean	8.0	R ¹	7.8
	SD	0.2		1.1
	N	22		21
	Sum	175	R ¹	163
Dead, Miss., Cannib. PND 0 [CHSQFS]	Sum	6		2
Dead, Miss., Cannib. PND 1-4 [CHSQFS]	Sum	3		3
Dead, Miss., Cannib. PND 5-21 [CHSQFS]	Sum	1		0
Dead, Miss., Cannib. PND 0-21 [CHSQFS]	Sum	10		5

[GEN AN] - Generalised Anova/Ancova Test
 1 [R - Automatic Transformation: Rank]

[CHSQFS] - Chi-Squared & Fisher's Exact

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20-Nov-2020 15:11:44

Page: 4

Summary of Delivery and Litter Data

20256434

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter: A)					
Live Birth Index (%)		98.0		99.3	
Viability Index (PND 0-4) (%)		99.0		98.9	
Weaning Index (PND 4-21) (%)		99.4		100.0	
Sex Ratio PND 1 - % Males [CHSQFS]	Mean	51.0		48.0	
Sex Ratio PND 21 - % Males [CHSQFS]	Mean	49.7		47.6	

[CHSQFS] - Chi-Squared & Fisher's Exact

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Provantis
 Mean Pup Body Weight (grams)

02-Nov-2020 10:18:00

Page: 1

20256434

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter: A)					
Mean Pup BW - Males d1 [GEN AN]	Mean	6.25 R ¹		6.27	
	SD	0.82		0.73	
	N	22		20	
	%Diff	.		0.23	
Mean Pup BW - Males d4 [GEN AN]	Mean	9.71 I ²		9.81	
	SD	1.26		1.21	
	N	22		20	
	%Diff	.		1.00	
Mean Pup BW - Males d7 [GEN AN]	Mean	16.14 R ¹		16.47	
	SD	1.76		1.74	
	N	22		20	
	%Diff	.		2.07	
Mean Pup BW - Males d10 [GEN AN]	Mean	23.79 R ¹		24.24	
	SD	2.17		1.87	
	N	22		20	
	%Diff	.		1.87	
Mean Pup BW - Males d14 [GEN AN]	Mean	34.35 I ²		34.93	
	SD	2.76		2.13	
	N	22		20	
	%Diff	.		1.69	

[GEN AN] - Generalised Anova/Ancova Test
 2 [I - Automatic Transformation: Identity (No Transformation)]
 4 [S - Test: Shirley 2 Sided p < 0.05]

1 [R - Automatic Transformation: Rank]
 3 [w - Test: Williams 2 Sided p < 0.05]

CONFIDENTIAL

Provantis
 Mean Pup Body Weight (grams)

02-Nov-2020 10:18:00

Page: 2

20256434

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter: A)					
Mean Pup BW - Males d17 [GEN AN]	Mean	41.64 ¹		42.07	
	SD	3.10		2.36	
	N	22		20	
	%Diff	.		1.04	
Mean Pup BW - Males d21 [GEN AN]	Mean	55.53 ¹		56.10	
	SD	4.02		3.22	
	N	22		20	
	%Diff	.		1.03	
Mean Pup BW - Males d4 Postculling [GEN AN]	Mean	9.71 ¹		9.78	
	SD	1.31		1.24	
	N	22		20	
	%Diff	.		0.66	
Mean Pup BW - Females d1 [GEN AN]	Mean	6.00 ¹		6.06	
	SD	0.82		0.73	
	N	22		21	
	%Diff	.		0.97	
Mean Pup BW - Females d4 [GEN AN]	Mean	9.47 ¹		9.58	
	SD	1.25		1.33	
	N	22		21	
	%Diff	.		1.25	

[GEN AN] - Generalised Anova/Ancova Test
 2 [w - Test: Williams 2 Sided p < 0.05]

1 [I - Automatic Transformation: Identity (No Transformation)]

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Provantis
 Mean Pup Body Weight (grams)

02-Nov-2020 10:18:00 Page: 3

20256434

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter: A)					
Mean Pup BW - Females d7 [GEN AN]	Mean	15.77 R ¹		16.10	
	SD	1.72		1.75	
	N	22		21	
	%Diff	.		2.14	
Mean Pup BW - Females d10 [GEN AN]	Mean	23.35 R ¹		23.82	
	SD	2.21		1.85	
	N	22		21	
	%Diff	.		1.99	
Mean Pup BW - Females d14 [GEN AN]	Mean	33.71 I ²		34.28	
	SD	2.88		2.04	
	N	22		21	
	%Diff	.		1.70	
Mean Pup BW - Females d17 [GEN AN]	Mean	40.69 I ²		41.10	
	SD	3.16		2.26	
	N	22		21	
	%Diff	.		1.00	
Mean Pup BW - Females d21 [GEN AN]	Mean	54.02 I ²		54.42	
	SD	4.18		2.66	
	N	22		21	
	%Diff	.		0.73	

[GEN AN] - Generalised Anova/Ancova Test
 2 [I - Automatic Transformation: Identity (No Transformation)]

1 [R - Automatic Transformation: Rank]
 3 [S - Test: Shirley 2 Sided p < 0.05]

Provantis
 Mean Pup Body Weight (grams)

02-Nov-2020 10:18:00

Page: 4

20256434

Sex: Female		Control 0mcg	BNT162b2 30mcg
Day(s) Relative to Littering (Litter: A)			
Mean Pup BW - Females d4 Postculling [GEN AN]	Mean	9.49 I ¹	9.59
	SD	1.25	1.37
	N	22	21
	%Diff	.	1.09
Mean Pup Body Weight d1 [GEN AN]	Mean	6.13 R ²	6.19
	SD	0.82	0.74
	N	22	21
	%Diff	.	1.06
Mean Pup Body Weight d4 [GEN AN]	Mean	9.60 I ¹	9.75
	SD	1.25	1.31
	N	22	21
	%Diff	.	1.65
Mean Pup Body Weight d7 [GEN AN]	Mean	15.95 R ²	16.34 S ³
	SD	1.71	1.73
	N	22	21
	%Diff	.	2.46
Mean Pup Body Weight d10 [GEN AN]	Mean	23.57 R ²	24.07
	SD	2.15	1.81
	N	22	21
	%Diff	.	2.10

[GEN AN] - Generalised Anova/Ancova Test
 2 [R - Automatic Transformation: Rank]

1 [I - Automatic Transformation: Identity (No Transformation)]
 3 [S - Test: Shirley 2 Sided p < 0.05]

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Provantis
 Mean Pup Body Weight (grams)

02-Nov-2020 10:18:00 Page: 5

20256434

Sex: Female		Control 0mcg		BNT162b2 30mcg	
Day(s) Relative to Littering (Litter: A)					
Mean Pup Body Weight d14 [GEN AN]	Mean	34.03 I ¹		34.63	
	SD	2.78		2.00	
	N	22		21	
	%Diff	.		1.77	
Mean Pup Body Weight d17 [GEN AN]	Mean	41.16 I ¹		41.59	
	SD	3.11		2.19	
	N	22		21	
	%Diff	.		1.06	
Mean Pup Body Weight d21 [GEN AN]	Mean	54.75 I ¹		55.23	
	SD	4.07		2.71	
	N	22		21	
	%Diff	.		0.87	
Mean Pup BW d4 Postculling [GEN AN]	Mean	9.60 I ¹		9.75	
	SD	1.26		1.34	
	N	22		21	
	%Diff	.		1.51	

[GEN AN] - Generalised Anova/Ancova Test

1 [I - Automatic Transformation: Identity (No Transformation)]

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20256434
 Summary of Reflex and Physical Development

Group	1 Control 0 µg	3 BNT162b2 30µg
PINNA UNFOLDING		
- % of pups positive:		
day 1 <i>post-partum</i>	5	6
day 2 <i>post-partum</i>	51	51
day 3 <i>post-partum</i>	98	99
day 4 <i>post-partum</i>	100	100 ⁽³⁾
EYE OPENING		
- % of pups positive:		
day 12 <i>post-partum</i>	0	3
day 13 <i>post-partum</i>	19	9
day 14 <i>post-partum</i>	83	79
day 15 <i>post-partum</i>	99	96
day 16 <i>post-partum</i>	100	100
day 17 <i>post-partum</i>		
PUPILLARY REFLEX - day 21 <i>post-partum</i>		
- % of pups positive:		
	100	100
AUDITORY REFLEX - day 21 <i>post-partum</i>		
- % of pups positive:		
	100	100

[Redacted]

⁽³⁾: 99.7%, one unselected pup for culling was not observed after PND4

[Redacted]

Provantis

Date: 13-Nov-2020 9:31 Page: 1

Summary of Maternal Macroscopic Observations

20256434

Removal Reason: TERMINAL SACRIFICE	FEMALES	
	Control 0mcg	BNT162b2 30mcg
Number of Animals on Study :	44	43
Number of Animals Completed:	(44)	(43)
LIVER;		
Submitted.....	(2)	(1)
No Visible Lesions.....	0	0
Hernia; diaphragm; between right and left median lobes	2	0
Mottled surface; all lobes	0	0
Abnormal shape; left median lobe	0	0
Small; left median lobe	0	0
Mass a; adherent to surrounding tissue; papillary process; solid; dark; heterogeneous	0	1
IDENTIFICATION;		
Submitted.....	(3)	(12)
No Visible Lesions.....	3	12
SKIN/SUBCUTIS;		
Submitted.....	(2)	(6)
No Visible Lesions.....	0	0
Alopecia; single; forelimb; right; left	0	3
Alopecia; single; forelimb; left	1	0
Alopecia; single; abdominal region; thoracic region	0	0
Alopecia; single; thoracic region	0	1
Alopecia; single; thoracic region; abdominal	0	1
Alopecia; right; forepaw; abdominal; left	0	0
Sore/crust; many; back; head	0	1
Sore/crust; many; forelimb; left	0	0
Sore/crust; single; right	0	0
Sore/crust; single; forelimb; right	0	1
Sore/crust; single; hindlimb; left	1	0
Sore/crust; single; abdominal region	2	0
NO CORRELATE;		
Submitted.....	(9)	(5)

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Provantis

Date: 13-Nov-2020 9:31 Page: 2

Summary of Maternal Macroscopic Observations
 20256434

		----- FEMALES -----	
Removal Reason: TERMINAL SACRIFICE		Control 0mcg	BNT162b2 30mcg
Number of Animals on Study :		44	43
Number of Animals Completed:		(44)	(43)

NO CORRELATE; (continued)			
No Visible Lesions.....		0	0
No correlate		9	6
INJECTION SITE 1;			
Submitted.....		(0)	(9)
No Visible Lesions.....		0	9
Pale		0	0
INJECTION SITE 2;			
Submitted.....		(0)	(10)
No Visible Lesions.....		0	0
Firm area		0	9
Enlarged		0	8
Oedematous area		0	1
Pale		0	4

Provantis

Date: 13-Nov-2020 9:31 Page: 3

Summary of Maternal Macroscopic Observations

20256434

		----- FEMALES -----	
Removal Reason: MORIBUND SACRIFICE		Control 0mcg	BNT162b2 30mcg
Number of Animals on Study :		0	0
Number of Animals Completed:		(0)	(0)
NO CORRELATE;			
Submitted.....		(0)	(0)
No Visible Lesions.....		0	0
No correlate		0	0

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Date: 13-Nov-2020 9:31 Page: 4

Summary of Maternal Macroscopic Observations
 20256434

		----- FEMALES -----	
Removal Reason: UNPLANNED TERMINAL SACRIFICE		Control 0mcg	BNT162b2 30mcg
	Number of Animals on Study :	0	1
	Number of Animals Completed:	(0)	(1)

LIVER;			
	Submitted.....	(0)	(0)
	No Visible Lesions.....	0	0
	Pale; all lobes	0	0
SPLEEN;			
	Submitted.....	(0)	(0)
	No Visible Lesions.....	0	0
	Enlarged	0	0
IDENTIFICATION;			
	Submitted.....	(0)	(0)
	No Visible Lesions.....	0	0
SKIN/SUBCUTIS;			
	Submitted.....	(0)	(0)
	No Visible Lesions.....	0	0
	Alopecia; single; forelimb; abdominal region; left	0	0

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APPENDICES

Deviations

All deviations that occurred during the study have been authorized/acknowledged by the Study Director, assessed for impact, and documented in the study records. All Study Plan deviations and those SOP deviations that could have impacted the quality or integrity of the study are listed below. Minor SOP deviations that did not impact the quality or integrity of the study have been included at the discretion of the Study Director.

Husbandry

- On Day -19, F23 from the BNT162b2 group (caesarean subgroup) was found in the cage of F28 to F32 (BNT162b2 group) during blood sampling. The female was placed in the wrong cage after the estrous cycle smear that same day (i.e., for approximately 2h45). This animal was replaced in its cage as soon as noted. This did not noticeably affect the clinical condition of the animals or the outcome of the study.
- [REDACTED]
- On GD18, Female No. 54 (BNT162b2, 30 µg) was found with no access to water probably for approximately 23 hours due to a defective bottle. This did not noticeably affect the clinical condition of the animal or the outcome of the study.

Individual Physical and Functional Development

- [REDACTED]

Postmortem and Pathology

- One dead pup of F212 from the control group was necropsied on PND1. The results of the necropsy was not recorded in the raw data in error. This isolated incident for a single pup had no impact on the study validity or outcome.
- [REDACTED]

PF-07302048: Sample Homogeneity for COVID-19 mRNA LNP DP Used in GLP Toxicology Studies
VR-VTR-10681, Ver 1 0



Title: Sample Homogeneity for COVID-19 mRNA LNP DP Used in GLP Toxicology Studies

Study Number: N/A

Parent Compound Number(s): PF-07302048

Alternative Compound Identifiers: N/A

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Pfizer Vaccine Research and Development



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Page 1

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PF-07302048: Sample Homogeneity for COVID-19 mRNA LNP DP Used in GLP Toxicology Studies
VR-VTR-10681, Ver 1 0

Title: Sample Homogeneity for COVID-19 mRNA LNP DP Used in GLP Toxicology Studies

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PF-07302048: Sample Homogeneity for COVID-19 mRNA LNP DP Used in GLP Toxicology Studies
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SYNOPSIS

This report provides the data to support the sample homogeneity assessment for COVID-19 mRNA drug product used in GLP Toxicity and GLP DART studies. The homogeneity is supported by evaluating the RNA concentration for multiple sample pulls from a single vial by Ribogreen. This is applicable to formulations of vaccines (test articles) containing RNA lipid nanoparticles (LNPs) that are used in GLP toxicology studies.

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VR-VTR-10681, Ver 1 0

TABLE OF CONTENTS

SYNOPSIS.....3
1. OBJECTIVES5
2. INTRODUCTION5
3. STUDIES IN SUPPORT OF SAMPLE HOMOGENEITY5
4. STUDY RESULTS6
 4.1. Homogeneity for DART Study Number 202564346
 4.2. Homogeneity for Toxicity Study 20GR1427
5. CONCLUSION7
6. DEVIATIONS7
7. REFERENCES7

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PF-07302048: Sample Homogeneity for COVID-19 mRNA LNP DP Used in GLP Toxicology Studies
 VR-VTR-10681, Ver 1 0

1. OBJECTIVES

The objective of this report is to document the sample homogeneity of COVID-19 mRNA drug product (DP) as dosed in separate GLP Toxicity and DART studies over the expected dosing window.

2. INTRODUCTION

The COVID-19 messenger RNA Lipid Nanoparticle vaccine (mRNA LNP) is currently under development by Pfizer and BioNTech as a vaccine for COVID-19. The LNP drug product (DP) is composed of modRNA (modified nucleoside RNA) formulated in lipid nanoparticles consisting of ALC-0315, ALC-0159, DSPC, and cholesterol in a matrix of [REDACTED] sucrose, [REDACTED] PBS, [REDACTED] NaCl, [REDACTED] KCl, [REDACTED] Na₂HPO₄, and [REDACTED] KH₂PO₄, pH 7.4.

3. STUDIES IN SUPPORT OF SAMPLE HOMOGENEITY

The LNP DP is presented in multi-dose vials stored frozen at -70°C. Prior to dosing, the DP vial is thawed and gently mixed by inversion. For the GLP Toxicity study, the vial is gently mixed by inversion before each of the nine 60-µL doses is withdrawn. For the DART study, the DP vial is gently mixed by inversion only prior to the first of the ten 60-µL doses being withdrawn. To ensure uniformity of LNP formulation throughout dosing using a multi-dose vial (from thawing the vial (initial dose) through the last dose), the RNA concentration was determined N=5 times over a 6-hour window to represent the Toxicity study vial handling and N=5 times over a 120-minute window to represent the DART study vial handling using the Ribogreen assay (VR-TM-10308).¹ The materials used in this evaluation are shown in Table 1.

Table 1. Samples Used in Content Uniformity Assessment

Material	Lot Number	Concentration	Reference
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

This homogeneity study supports the toxicity studies shown in Table 2. [REDACTED] DP lot BCV/040620 was evaluated in both toxicity studies (20GR142 and 20256434) and will serve as a representative of modRNA DP. The other construct formulations are similar in composition and are expected to behave the same.

Table 2. Toxicity Studies Being Supported

Study	Study (Sponsor) Number
17-Day IM Toxicity Study of BNT162B2 [REDACTED] in Wistar Han Rats with a 3-Week Recovery	20GR142
Combined Fertility and Developmental Study (Including Teratogenicity and Postnatal Investigations) of [REDACTED] BNT162b2 and [REDACTED] by the IM Route in the Wistar Rat GLP Study	20256434

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PF-07302048: Sample Homogeneity for COVID-19 mRNA LNP DP Used in GLP Toxicology Studies
 VR-VTR-10681, Ver 1 0

The testing plan to represent the DP vial handling in study 20256434 is shown in Table 3.

Table 3. Testing Plan for DART DP Vial (Study Number 20256434)

Time point, hours	Dose volume, μ L	Testing	Dose treatment
0	60	TBT ^a	Gentle inversion prior to withdraw, 3X
0.5	60	NT ^b	None
1.0	60	TBT	None
1.5	60	NT	None
2.0	60	TBT	None
2.5	60	NT	None
3.0	60	NT	None
4.0	60	TBT	None
5.0	60	NT	None
6.0	60	TBT	None

a TBT = to be tested

b NT = not tested

The testing plan to represent the DP vial handling in Toxicity Study 20GR142 is shown in Table 4.

Table 4. Testing Plan for Toxicity DP Vial (Study Number 20GR142)

Time point, minutes	Dose volume, μ L	Testing	Dose treatment
0	60	TBT ^a	Gentle inversion prior to withdraw, 3X
15	60	NT ^b	Gentle inversion prior to withdraw, 3X
30	60	TBT	Gentle inversion prior to withdraw, 3X
45	60	NT	Gentle inversion prior to withdraw, 3X
60	60	TBT	Gentle inversion prior to withdraw, 3X
75	60	NT	Gentle inversion prior to withdraw, 3X
90	60	TBT	Gentle inversion prior to withdraw, 3X
105	60	NT	Gentle inversion prior to withdraw, 3X
120	60	TBT	Gentle inversion prior to withdraw, 3X

a TBT = to be tested

b NT = not tested

4. STUDY RESULTS

4.1. Homogeneity for DART Study Number 20256434

The concentration of mRNA measured over 6 hours was 585 μ g/mL on average with an %RSD of 4.3 as shown in Table 5. This supports that the sample is homogeneous over this time frame used which represents the dosing window for this study.

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PF-07302048: Sample Homogeneity for COVID-19 mRNA LNP DP Used in GLP Toxicology Studies
 VR-VTR-10681, Ver 1.0

Table 5. Homogeneity Results in Support of DART Study Number 20256434

Time point, hours	Dose volume, μL	RNA concentration, $\mu\text{g/mL}$
0	60	553
1.0	60	615
2.0	60	605
4.0	60	592
6.0	60	558
Average RNA concentration, $\mu\text{g/mL}$		585
%RSD		4.3

4.2. Homogeneity for Toxicity Study 20GR142

The concentration of mRNA measured over 2 hours was 571 $\mu\text{g/mL}$ on average with an %RSD of 4.2% as shown in Table 6. This supports that the sample is homogeneous over this time frame which represents the dosing window for this study.

Table 6. Homogeneity Results in Support of Toxicity Study Number 20GR142

Time point, minutes	Dose volume, μL	RNA concentration, $\mu\text{g/mL}$
0	60	533
30	60	575
60	60	606
90	60	561
120	60	582
Average RNA concentration, $\mu\text{g/mL}$		571
%RSD		4.2

5. CONCLUSION

The data in this report supports that the content of a DP vial is homogeneous during the dosing windows regardless of whether a vial is shaken once upon thawing or prior to withdrawing of each of the doses over the timeframes indicated.

6. DEVIATIONS

Not applicable.

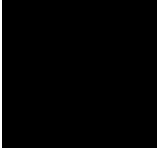
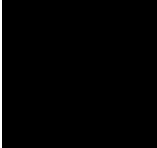
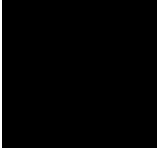
7. REFERENCES

- VR-TM-10308, "Quantification of Total RNA in COVID-19 mRNA LNP DP by RiboGreen Fluorescence".

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Document Approval Record

Document Name	VR-VTR-10681
Document Title	Sample Homogeneity for COVID-19 mRNA LNP DP Used in GLP Toxicology

Signed By	Date(GMT)	Signing Capacity
	18-Sep-2020 13:44:36	Author Approval
	18-Sep-2020 14:04:22	Manager Approval
	22-Sep-2020 12:37:53	Quality Assurance Approval

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Date: 19-Nov-2020 10:04 Page: 1

Individual Mortality

20256434

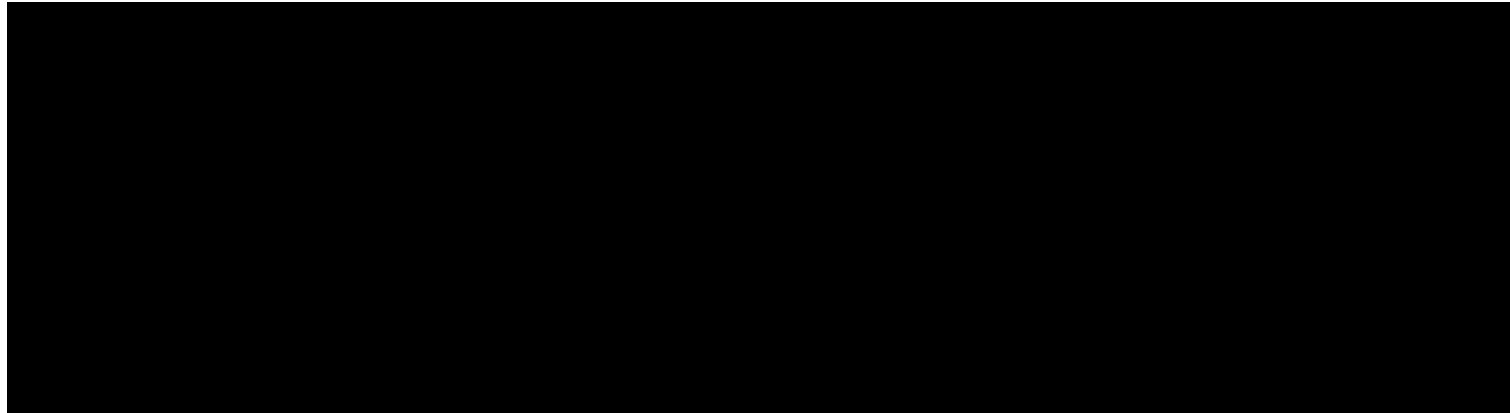
Group	Dose Level	Sex	Animal	Cage	Removal Day	Removal Week	Removal Date	Removal Time	Time Slot	Removal Symptom	Pathology Reason
1	Control 0mcg	Female	201	201	69	10	03OCT2020	9:27	.	.	TS
			202	202	68	10	02OCT2020	12:03	.	.	TS
			203	203	68	10	02OCT2020	13:22	.	.	TS
			204	204	67	10	01OCT2020	14:27	.	.	TS
			205	205	68	10	02OCT2020	13:28	.	.	TS
			206	206	67	10	01OCT2020	14:33	.	.	TS
			207	207	67	10	01OCT2020	15:01	.	.	TS
			208	208	66	10	30SEP2020	15:15	.	.	TS
			209	209	66	10	30SEP2020	15:42	.	.	TS
			210	210	67	10	01OCT2020	15:01	.	.	TS
			211	211	66	10	30SEP2020	15:39	.	.	TS
			212	212	67	10	01OCT2020	15:30	.	.	TS
			213	213	69	10	03OCT2020	9:32	.	.	TS
			214	214	66	10	30SEP2020	15:54	.	.	TS
			215	215	66	10	30SEP2020	16:00	.	.	TS
			216	216	69	10	03OCT2020	9:38	.	.	TS
			217	217	69	10	03OCT2020	9:59	.	.	TS
			218	218	67	10	01OCT2020	15:37	.	.	TS
			219	219	67	10	01OCT2020	15:50	.	.	TS
			220	220	67	10	01OCT2020	15:53	.	.	TS
			221	221	69	10	03OCT2020	9:43	.	.	TS
			222	222	68	10	02OCT2020	13:39	.	.	TS
			1	1	47	7	25SEP2020	9:04	.	.	TS
			2	2	46	7	24SEP2020	9:12	.	.	TS
			3	3	47	7	25SEP2020	9:05	.	.	TS
			4	4	45	7	23SEP2020	9:15	.	.	TS
			5	5	44	7	22SEP2020	9:15	.	.	TS
			6	6	47	7	25SEP2020	9:06	.	.	TS
			7	7	45	7	23SEP2020	9:16	.	.	TS
			8	8	46	7	24SEP2020	9:12	.	.	TS
			9	9	47	7	25SEP2020	9:07	.	.	TS

CONFIDENTIAL

Provantis
Individual Mortality
20256434

Date: 19-Nov-2020 10:04 Page: 2

Group	Dose Level	Sex	Animal	Cage	Removal Day	Removal Week	Removal Date	Removal Time	Time Slot	Removal Symptom	Pathology Reason
1	Control 0mcg	Female	10	10	45	7	23SEP2020	10:02	.	.	TS
			11	11	47	7	25SEP2020	9:08	.	.	TS
			12	12	46	7	24SEP2020	9:18	.	.	TS
			13	13	47	7	25SEP2020	9:21	.	.	TS
			14	14	44	7	22SEP2020	9:16	.	.	TS
			15	15	53	8	01OCT2020	10:39	.	.	TS
			16	16	44	7	22SEP2020	9:19	.	.	TS
			17	17	56	8	04OCT2020	9:10	.	.	TS
			18	18	47	7	25SEP2020	9:25	.	.	TS
			19	19	44	7	22SEP2020	9:21	.	.	TS
			20	20	46	7	24SEP2020	9:34	.	.	TS
			21	21	47	7	25SEP2020	9:33	.	.	TS
			22	22	46	7	24SEP2020	9:45	.	.	TS



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Individual Mortality
20256434

Date: 19-Nov-2020 10:04 Page: 3

Group	Dose Level	Sex	Animal	Cage	Removal Day	Removal Week	Removal Date	Removal Time	Time Slot	Removal Symptom	Pathology Reason
3	BNT162b2 30mcg	Female	245	245	68	10	02OCT2020	13:35	.	.	TS
			246	246	68	10	02OCT2020	13:22	.	.	TS
			247	247	66	10	30SEP2020	15:23	.	.	TS

Provantis

Date: 19-Nov-2020 10:04 Page: 4

Individual Mortality

20256434

Group	Dose Level	Sex	Animal	Cage	Removal Day	Removal Week	Removal Date	Removal Time	Time Slot	Removal Symptom	Pathology Reason
3	BNT162b2 30mcg	Female	248	248	66	10	30SEP2020	15:34	.	.	TS
			249	249	69	10	03OCT2020	10:38	.	.	TS
			250	250	69	10	03OCT2020	10:44	.	.	TS
			251	251	68	10	02OCT2020	13:14	.	.	TS
			252	252	69	10	03OCT2020	10:49	.	.	TS
			253	253	66	10	30SEP2020	15:47	.	.	TS
			254	254	52	8	16SEP2020	10:27	.	FL	UT
			255	255	68	10	02OCT2020	13:41	.	.	TS
			256	256	68	10	02OCT2020	13:31	.	.	TS
			257	257	67	10	01OCT2020	14:54	.	.	TS
			258	258	69	10	03OCT2020	11:00	.	.	TS
			259	259	69	10	03OCT2020	10:54	.	.	TS
			260	260	69	10	03OCT2020	11:06	.	.	TS
			261	261	67	10	01OCT2020	14:42	.	.	TS
			262	262	68	10	02OCT2020	13:50	.	.	TS
			263	263	68	10	02OCT2020	13:51	.	.	TS
			264	264	66	10	30SEP2020	15:49	.	.	TS
			265	265	67	10	01OCT2020	15:06	.	.	TS
			266	266	68	10	02OCT2020	13:45	.	.	TS
			45	45	44	7	22SEP2020	10:12	.	.	TS
			46	46	53	8	01OCT2020	11:26	.	.	TS
			47	47	44	7	22SEP2020	11:09	.	.	TS
			48	48	45	7	23SEP2020	11:18	.	.	TS
			49	49	47	7	25SEP2020	10:46	.	.	TS
			50	50	46	7	24SEP2020	11:05	.	.	TS
			51	51	47	7	25SEP2020	10:48	.	.	TS
			52	52	46	7	24SEP2020	11:16	.	.	TS
			53	53	47	7	25SEP2020	10:49	.	.	TS
			54	54	47	7	25SEP2020	10:51	.	.	TS
			55	55	46	7	24SEP2020	11:31	.	.	TS
56	56	44	7	22SEP2020	11:09	.	.	TS			

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Individual Mortality
20256434

Date: 19-Nov-2020 10:04 Page: 5

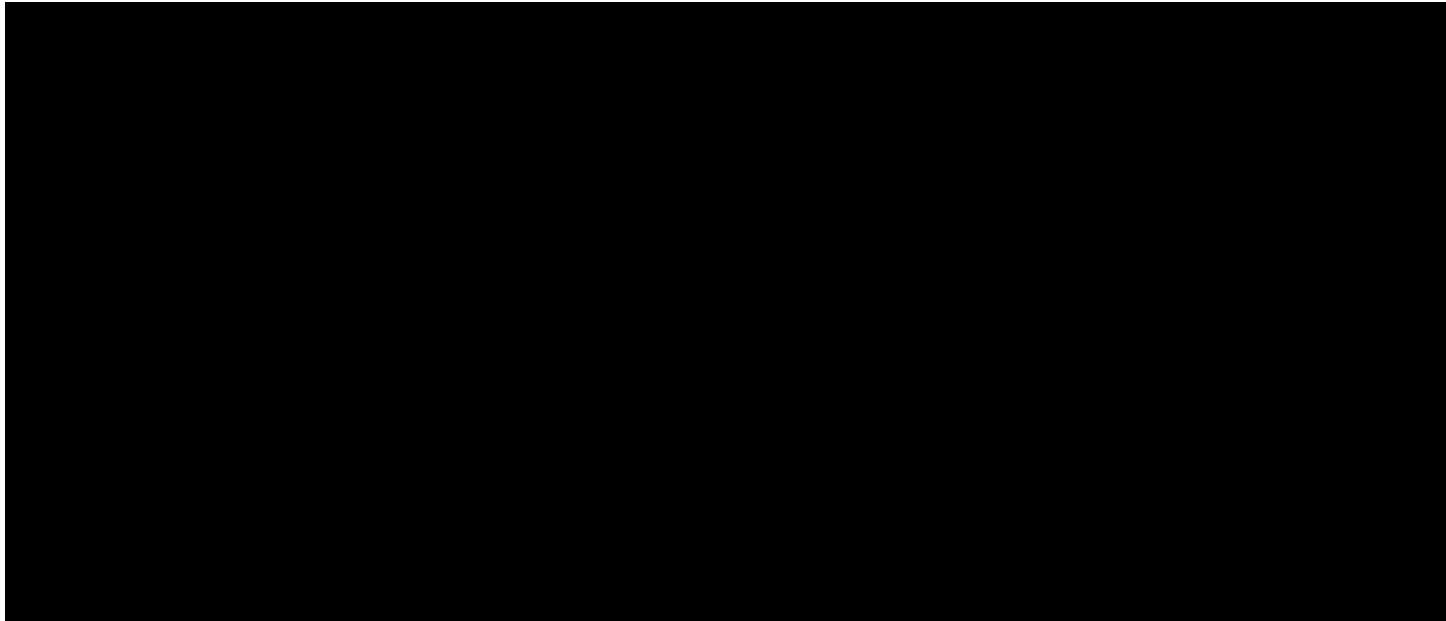
Group	Dose Level	Sex	Animal	Cage	Removal Day	Removal Week	Removal Date	Removal Time	Time Slot	Removal Symptom	Pathology Reason
3	BNT162b2 30mcg	Female	57	57	46	7	24SEP2020	11:34	.	.	TS
			58	58	46	7	24SEP2020	11:43	.	.	TS
			59	59	46	7	24SEP2020	11:43	.	.	TS
			60	60	44	7	22SEP2020	11:11	.	.	TS
			61	61	44	7	22SEP2020	11:12	.	.	TS
			62	62	44	7	22SEP2020	11:17	.	.	TS
			63	63	44	7	22SEP2020	11:51	.	.	TS
			64	64	46	7	24SEP2020	11:45	.	.	TS
			65	65	47	7	25SEP2020	10:52	.	.	TS
			66	66	47	7	25SEP2020	10:53	.	.	TS



Provantis
Individual Mortality
20256434

Date: 19-Nov-2020 10:04 Page: 6

Group	Dose Level	Sex	Animal	Cage	Removal Day	Removal Week	Removal Date	Removal Time	Time Slot	Removal Symptom	Pathology Reason
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Date: 19-Oct-2020 17:07 Page: 1

Individual Pre-Mating Clinical Observations of Females

20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-26 Daily 1	-21	-14	-7	-3	1
1	f	201	Desquamation	Right hindlimb	.	.	.	.	.	.
			Localised hairloss	Head	X	X	.	.	.	.
			Scab(s).	Injection site(s)	.	.	.	.	.	X
		202	Teeth long	Lower tooth/teeth	.	.	.	.	.	.
		203	Missing tooth	Upper tooth/teeth	.	.	.	.	X	X
		204	Desquamation	Left and right hindlimbs	.	.	.	.	.	.
			Scab(s).	Injection site(s)	.	.	.	.	.	X
		205	Desquamation	Left and right hindlimbs	.	.	.	.	.	.
			Scab(s).	Injection site(s)	.	.	.	.	.	X
		212	Desquamation	Left hindlimb	.	.	.	.	.	.
			Erythema.	Injection site(s)	.	.	.	.	.	X
		220	Desquamation	Right hindlimb	.	.	.	.	.	.
			Erythema.	Right hindlimb	.	.	.	.	.	.
			Erythema.	Injection site(s)	.	.	.	.	.	X
		221	Erythema.	Left hindlimb	.	.	.	.	.	.
			Erythema.	Injection site(s)	.	.	.	.	.	X
			Localised hairloss	Dorsal neck region	X	X	X	X	.	.
			Scab(s).	Back	X	.	.	.	.	.
			Scab(s).	Dorsal neck region	X	.	.	.	.	.
		7	Localised hairloss	Left forelimb	.	.	.	.	.	.
		9	Localised hairloss	Dorsal neck region	.	.	.	.	.	.
			Scab(s).	Dorsal neck region

Severity Codes: X = Present; 1 = Slight

Group 1 - Control 0mcg

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Date: 19-Oct-2020 17:07 Page: 2

Individual Pre-Mating Clinical Observations of Females

20256434

 Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	2	8 BEF	9	15
1	f	201	Desquamation	Right hindlimb	1	1	.	.
			Localised hairloss	Head	.	.	.	.
			Scab(s).	Injection site(s)	.	.	.	.
		202	Teeth long	Lower tooth/teeth	.	.	.	X
		203	Missing tooth	Upper tooth/teeth	.	.	.	.
		204	Desquamation	Left and right hindlimbs	1	.	.	.
			Scab(s).	Injection site(s)	.	.	.	.
		205	Desquamation	Left and right hindlimbs	1	1	.	.
			Scab(s).	Injection site(s)	.	.	.	.
		212	Desquamation	Left hindlimb	1	.	.	.
			Erythema.	Injection site(s)	.	.	.	.
		220	Desquamation	Right hindlimb	1	.	.	.
			Erythema.	Right hindlimb	X	.	.	.
			Erythema.	Injection site(s)	.	.	.	.
		221	Erythema.	Left hindlimb	X	.	.	.
			Erythema.	Injection site(s)	.	.	.	.
			Localised hairloss	Dorsal neck region	.	.	.	.
			Scab(s).	Back	.	.	.	.
			Scab(s).	Dorsal neck region	.	.	.	.
		7	Localised hairloss	Left forelimb	.	X	X	X
		9	Localised hairloss	Dorsal neck region	.	.	.	X
			Scab(s).	Dorsal neck region	.	.	.	X

 Severity Codes: X = Present; 1 = Slight

Group 1 - Control 0mcg

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Date: 07-Dec-2020 12:35 Page: 1

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-26 Daily 1	-13 Daily 1	1	2	8 BEF	9
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

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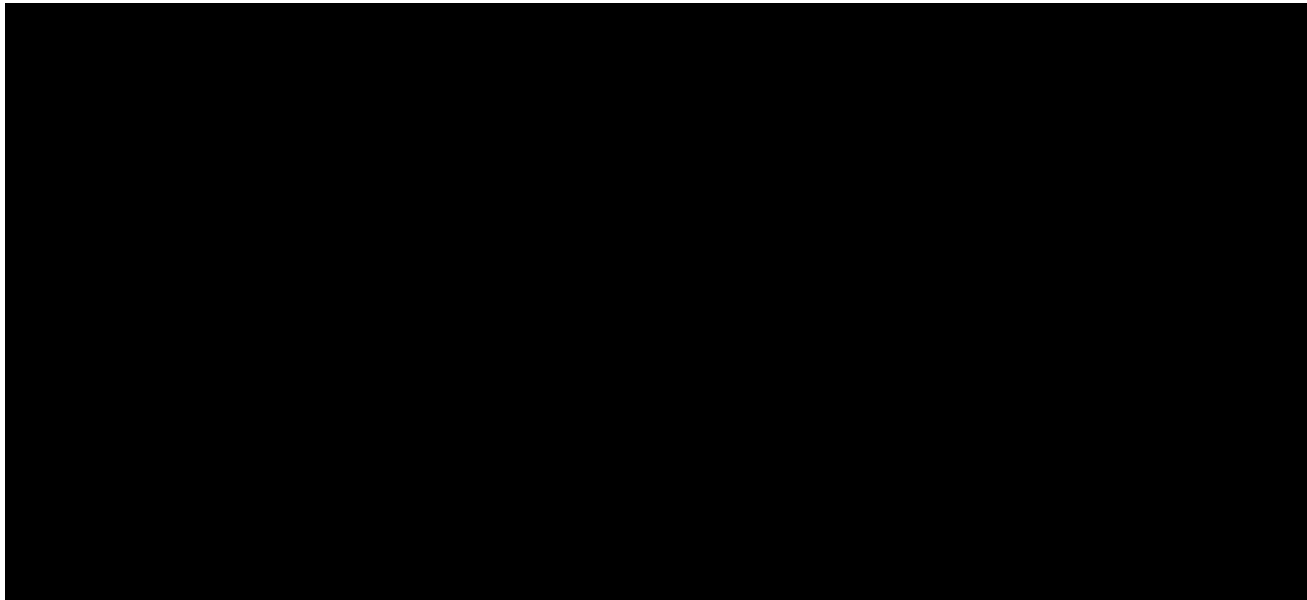
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Date: 07-Dec-2020 12:35 Page: 2

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	9 Daily 1	10 Daily 1	15
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

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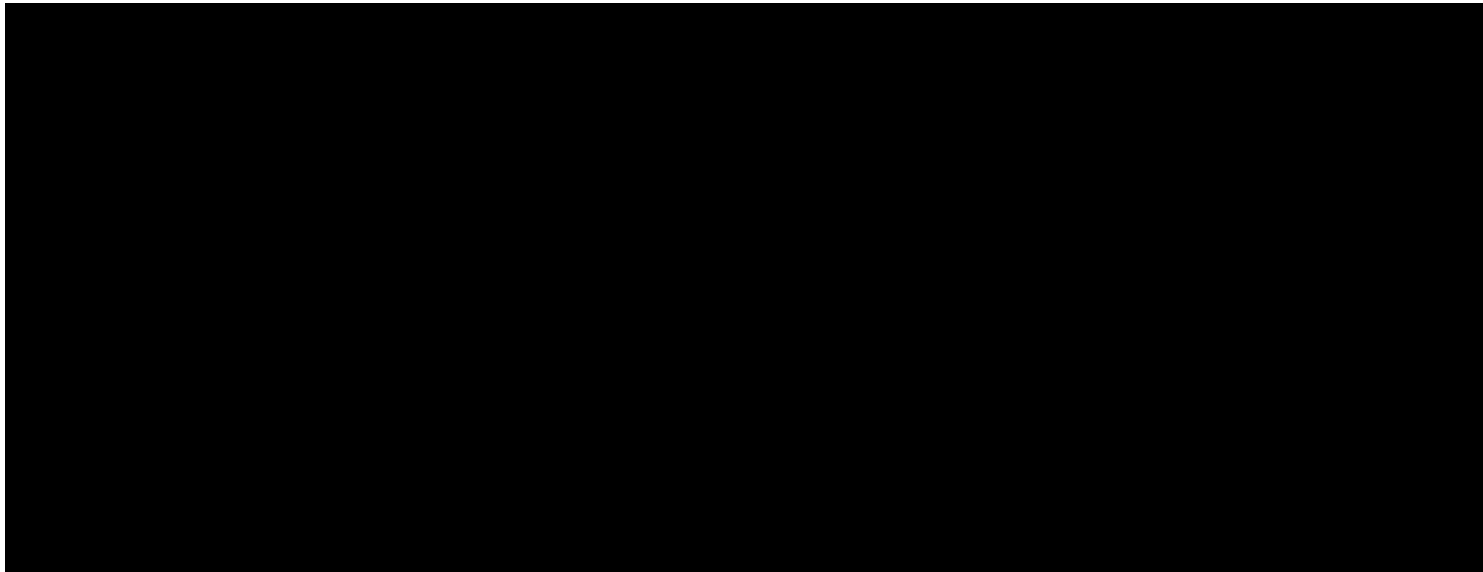
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Date: 07-Dec-2020 12:35 Page: 3

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-26 Daily 1	-13 Daily 1	1	2	8 BEF	9
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

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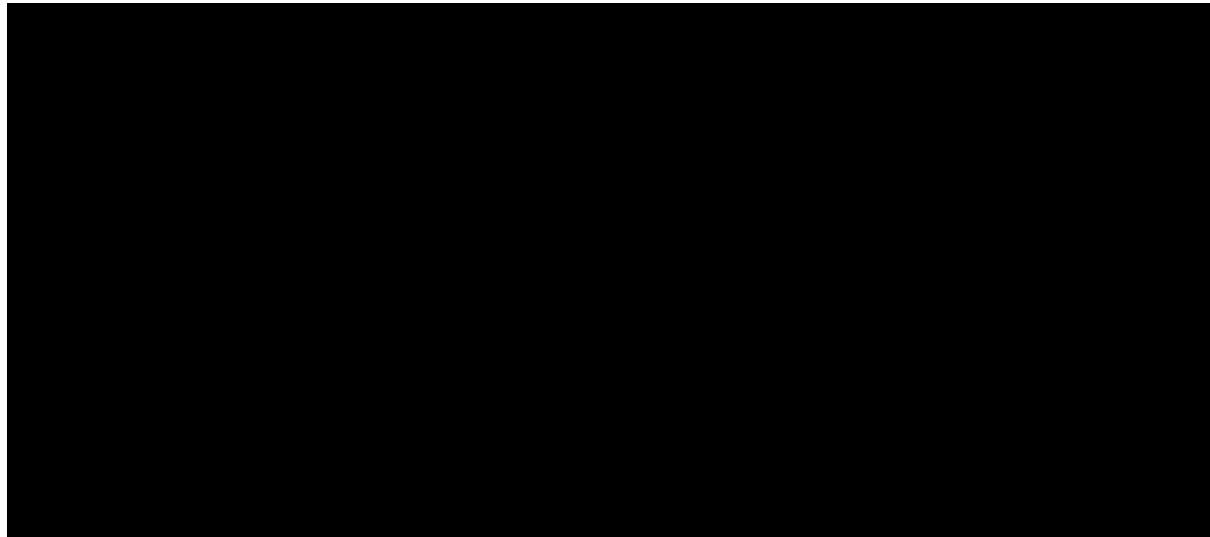
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Date: 07-Dec-2020 12:35 Page: 4

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	9 Daily 1	10 Daily 1	15
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

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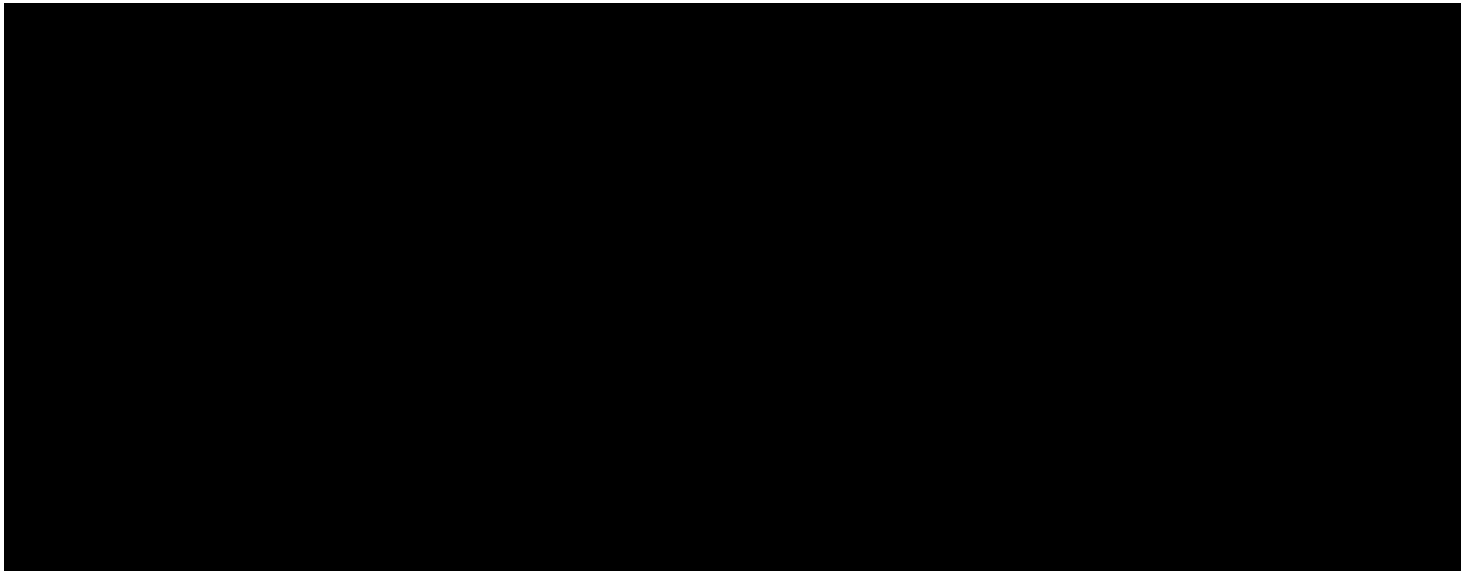
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Date: 07-Dec-2020 12:35 Page: 5

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-26 Daily 1	-13 Daily 1	1	2	8 BEF	9
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

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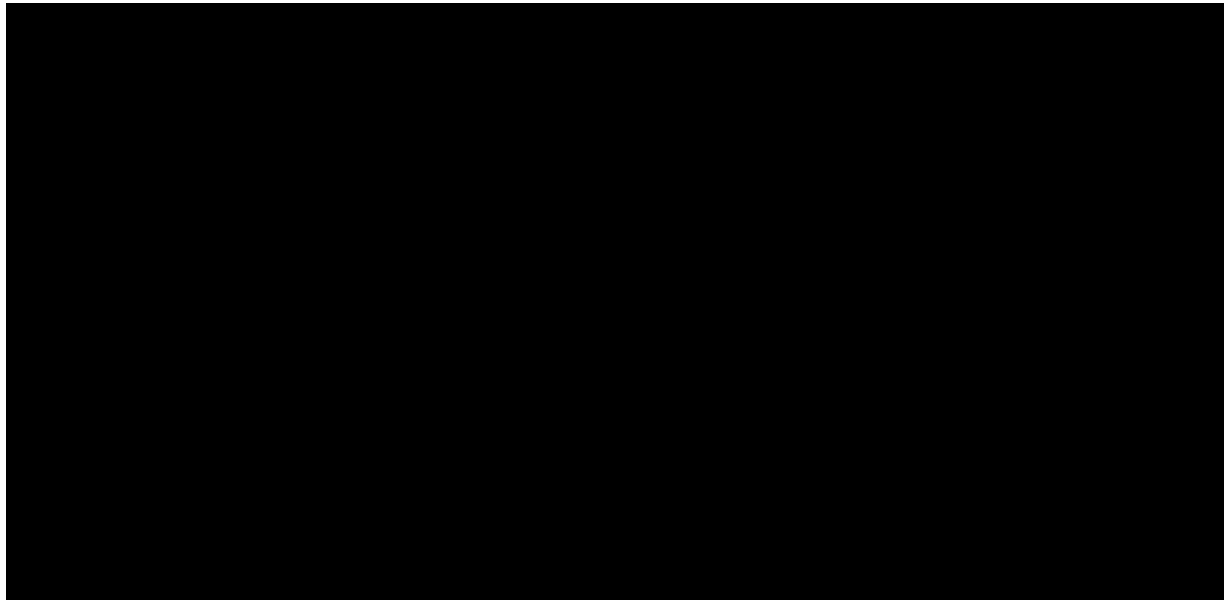
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Date: 07-Dec-2020 12:35 Page: 6

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	9 Daily 1	10 Daily 1	15
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

CONFIDENTIAL

Provantis

Date: 07-Dec-2020 12:35 Page: 7

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-26 Daily 1	-13 Daily 1	1	2	8 BEF	9
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

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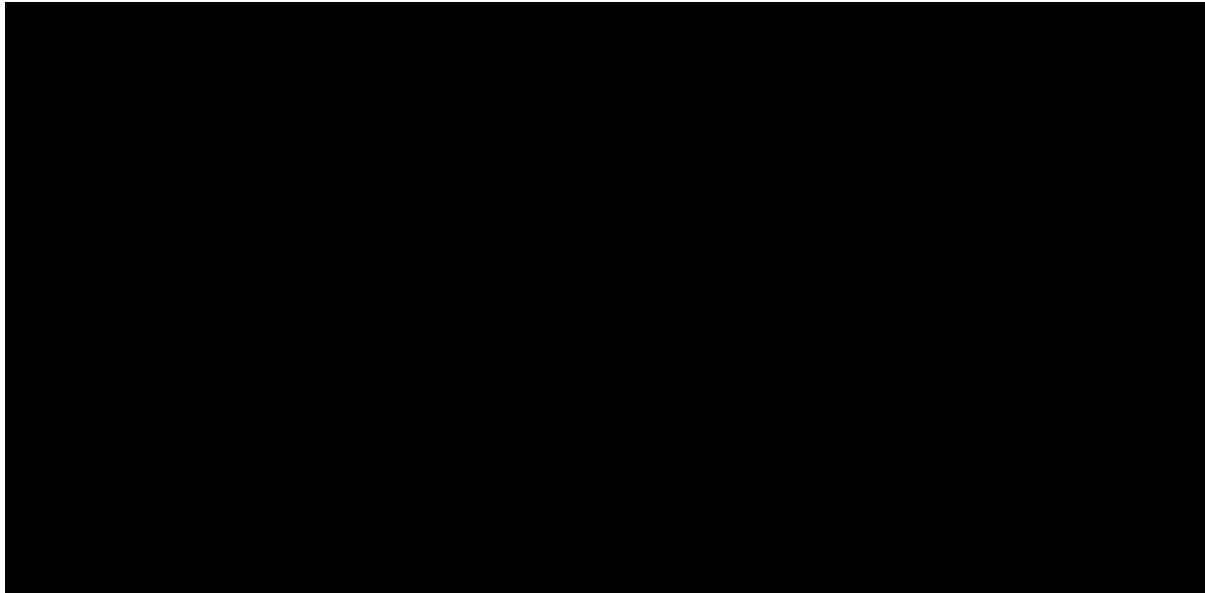
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Date: 07-Dec-2020 12:35 Page: 8

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	9 Daily 1	10 Daily 1	15
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

CONFIDENTIAL

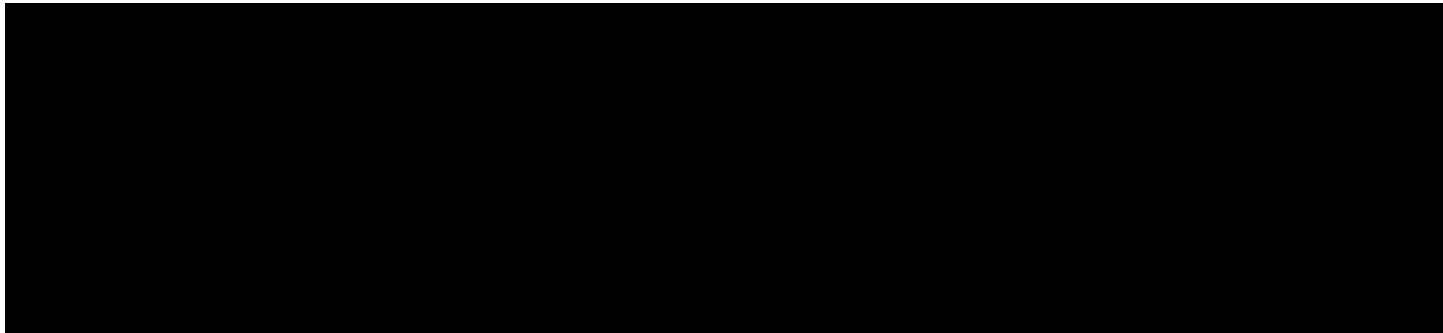
Provantis

Date: 07-Dec-2020 12:35 Page: 9

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-26 Daily 1	-13 Daily 1	1	2	8 BEF	9
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

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Provantis

Date: 07-Dec-2020 12:35 Page: 10

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	9 Daily 1	10 Daily 1	15
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Severity Codes: X = Present; 1 = Slight

Group 2 - [REDACTED]

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Provantis

Date: 19-Oct-2020 17:07 Page: 1

Individual Pre-Mating Clinical Observations of Females

20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-25	1	2	8 BEF	9	9 Daily 1	10 Daily 1
3	f	245	Limping	Right hindlimb	.	.	.	.	.	X	X
			Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		246	Limping	Right hindlimb	.	.	.	.	.	X	X
			Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		247	Desquamation	Left hindlimb	.	.	1	.	.	.	.
			Limping	Right hindlimb	.	.	.	.	.	X	X
			Swelling.	Injection site 1	.	.	X	.	.	.	.
		248	Swelling.	Injection site 2	.	.	.	.	X	.	.
			Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		249	Limping	Right hindlimb	.	.	.	.	.	X	X
			Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		250	Erythema.	Left hindlimb	.	.	X	.	.	.	.
			Erythema.	Injection site(s)	.	X	.	.	.	.	.
			Swelling.	Injection site 1	.	.	X	.	.	.	.
		251	Swelling.	Injection site 2	.	.	.	.	X	.	.
			Limping	Right hindlimb	.	.	.	.	.	X	X
			Swelling.	Injection site 1	.	.	X	.	.	.	.
		252	Swelling.	Injection site 2	.	.	.	.	X	.	.
			Limping	Right hindlimb	.	.	.	.	.	X	X
			Swelling.	Injection site 1	.	.	X	.	.	.	.
253	Swelling.	Injection site 2	.	.	.	.	X	.	.		
	Swelling.	Injection site 1	.	.	X	.	.	.	.
	Swelling.	Injection site 2	X	.	.		

Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

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Provantis

Date: 19-Oct-2020 17:07 Page: 2

Individual Pre-Mating Clinical Observations of Females

20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	15	17 Daily 1
3	f	245	Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		246	Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		247	Desquamation	Left hindlimb	.	.
			Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
		248	Swelling.	Injection site 2	.	.
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		249	Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		250	Erythema.	Left hindlimb	.	.
			Erythema.	Injection site(s)	.	.
			Swelling.	Injection site 1	.	.
		251	Swelling.	Injection site 2	.	.
			Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
252	Swelling.	Injection site 2	.	.		
	Limping	Right hindlimb	.	.		
	Swelling.	Injection site 1	.	.		
253	Swelling.	Injection site 2	.	.		
	Swelling.	Injection site 1	.	.		
	Swelling.	Injection site 2	.	.		

Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

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Provantis

Date: 19-Oct-2020 17:07 Page: 3

Individual Pre-Mating Clinical Observations of Females

20256434

				Day numbers relative to Start Date								
Group	Sex	Animal	Clinical Sign	Site	-25	1	2	8 BEF	9	9 Daily 1	10 Daily 1	
3	f	254	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.	
		255	Swelling.	Injection site 1	.	.	X	.	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.	.
		256	Limping	Right hindlimb	.	.	.	.	.	.	X	X
			Swelling.	Injection site 1	.	.	X	.	.	.	.	.
		257	Swelling.	Injection site 2	.	.	.	.	X	.	.	.
			Swelling.	Injection site 1	.	.	X	.	.	.	.	.
		258	Swelling.	Injection site 2	.	.	.	.	.	X	.	.
			Limping	Right hindlimb	.	.	.	.	.	.	X	X
		259	Swelling.	Injection site 1	.	.	X	.	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	.	X	.	.
		260	Swelling.	Injection site 1	.	.	X	.	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	.	X	.	.
		261	Swelling.	Injection site 1	.	.	X	.	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	.	X	.	.
		262	Limping	Right hindlimb	.	.	.	.	.	.	X	X
			Swelling.	Injection site 1	.	.	X	.	.	.	.	.
		263	Swelling.	Injection site 2	.	.	.	.	.	X	.	.
			Limping	Right hindlimb	.	.	.	.	.	.	X	X
			Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.	

Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

CONFIDENTIAL

Provantis

Date: 19-Oct-2020 17:07 Page: 4

Individual Pre-Mating Clinical Observations of Females

20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	15	17 Daily 1
3	f	254	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		255	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		256	Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
		257	Swelling.	Injection site 2	.	.
			Swelling.	Injection site 1	.	.
		258	Swelling.	Injection site 2	.	.
			Limping	Right hindlimb	.	.
		259	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		260	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		261	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		262	Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
		263	Swelling.	Injection site 2	.	.
			Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.

Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

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Provantis

Date: 19-Oct-2020 17:07 Page: 5

Individual Pre-Mating Clinical Observations of Females

20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-25	1	2	8 BEF	9	9 Daily 1	10 Daily 1	
3	f	264	Erythema.	Right hindlimb	.	.	X	.	.	.	.
			Erythema.	Injection site(s)	.	X	.	.	.	.	.
			Limping	Right hindlimb	.	.	.	.	.	X	X	
					Piloerection	.	.	.	.	1	1	
					Swelling.	.	.	X	.	.	.	
					Swelling.	.	.	.	.	X	.	
				265	Erythema.	Left hindlimb	.	.	X	.	.	.
					Erythema.	Right hindlimb	.	.	X	.	.	.
					Erythema.	Injection site(s)	.	X	.	.	.	.
					Limping	Right hindlimb	.	.	.	.	X	X
					Swelling.	Injection site 1	.	.	X	.	.	.
					Swelling.	Injection site 2	.	.	.	.	X	.
				266	Limping	Right hindlimb	.	.	.	.	X	X
					Swelling.	Injection site 1	.	.	X	.	.	.
					Swelling.	Injection site 2	.	.	.	X	.	.
				45	Swelling.	Injection site 1	.	.	X	.	.	.
					Swelling.	Injection site 2	.	.	.	.	X	.
				46	Swelling.	Injection site 1	.	.	X	.	.	.
					Swelling.	Injection site 2	.	.	.	.	X	.
				47	Swelling.	Injection site 1	.	.	X	.	.	.
		Swelling.	Injection site 2		.	.	.	.	X	.		
		48	Swelling.	Injection site 1	.	.	X	.	.	.		
			Swelling.	Injection site 2	.	.	.	.	X	.		
		49	Swelling.	Injection site 1	.	.	X	.	.	.		
			Swelling.	Injection site 2	.	.	.	.	X	.		
		50	Swelling.	Injection site 1	.	.	X	.	.	.		
			Swelling.	Injection site 2	.	.	.	.	X	.		

Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

CONFIDENTIAL

Provantis

Date: 19-Oct-2020 17:07 Page: 6

Individual Pre-Mating Clinical Observations of Females

20256434

 Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	15	17 Daily 1
3	f	264	Erythema.	Right hindlimb	.	.
			Erythema.	Injection site(s)	.	.
			Limping	Right hindlimb	.	.
			Piloerection		.	.
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		265	Erythema.	Left hindlimb	.	.
			Erythema.	Right hindlimb	.	.
			Erythema.	Injection site(s)	.	.
			Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		266	Limping	Right hindlimb	.	.
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		45	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		46	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		47	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		48	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		49	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		50	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.

 Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

CONFIDENTIAL

Provantis

Date: 19-Oct-2020 17:07 Page: 7

Individual Pre-Mating Clinical Observations of Females

20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-25	1	2	8 BEF	9	9 Daily 1	10 Daily 1
3	f	51	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		52	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		53	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		54	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		55	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		56	Localised hairloss	Head	X	.	.	.	.	.	.
			Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		57	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		58	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		59	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		60	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		61	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		62	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		63	Swelling.	Injection site 1	.	.	X	X	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.

Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

CONFIDENTIAL

Provantis

Date: 19-Oct-2020 17:07 Page: 8

Individual Pre-Mating Clinical Observations of Females

20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	15	17 Daily 1
3	f	51	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		52	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		53	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		54	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		55	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		56	Localised hairloss	Head	.	.
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		57	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		58	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		59	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		60	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		61	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.
		62	Swelling.	Injection site 1	.	.
Swelling.	Injection site 2		.	.		
63	Swelling.	Injection site 1	.	.		
	Swelling.	Injection site 2	.	.		

Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

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Provantis

Date: 19-Oct-2020 17:07 Page: 9

Individual Pre-Mating Clinical Observations of Females
 20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-25	1	2	8 BEF	9	9 Daily 1	10 Daily 1
3	f	64	Swelling.	Injection site 1	.	.	X	X	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		65	Chromodacryorrhea	Left eye	.	.	.	.	.	.	.
			Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	X	.	.
		66	Swelling.	Injection site 1	.	.	X	.	.	.	.
			Swelling.	Injection site 2	X	.	.

Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

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Provantis

Date: 19-Oct-2020 17:07 Page: 10

Individual Pre-Mating Clinical Observations of Females

20256434

 Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	15	17 Daily 1
3	f	64	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	X	.
		65	Chromodacryorrhea	Left eye	.	X
			Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	X	.
		66	Swelling.	Injection site 1	.	.
			Swelling.	Injection site 2	.	.

 Severity Codes: X = Present; 1 = Slight

Group 3 - BNT162b2 30mcg

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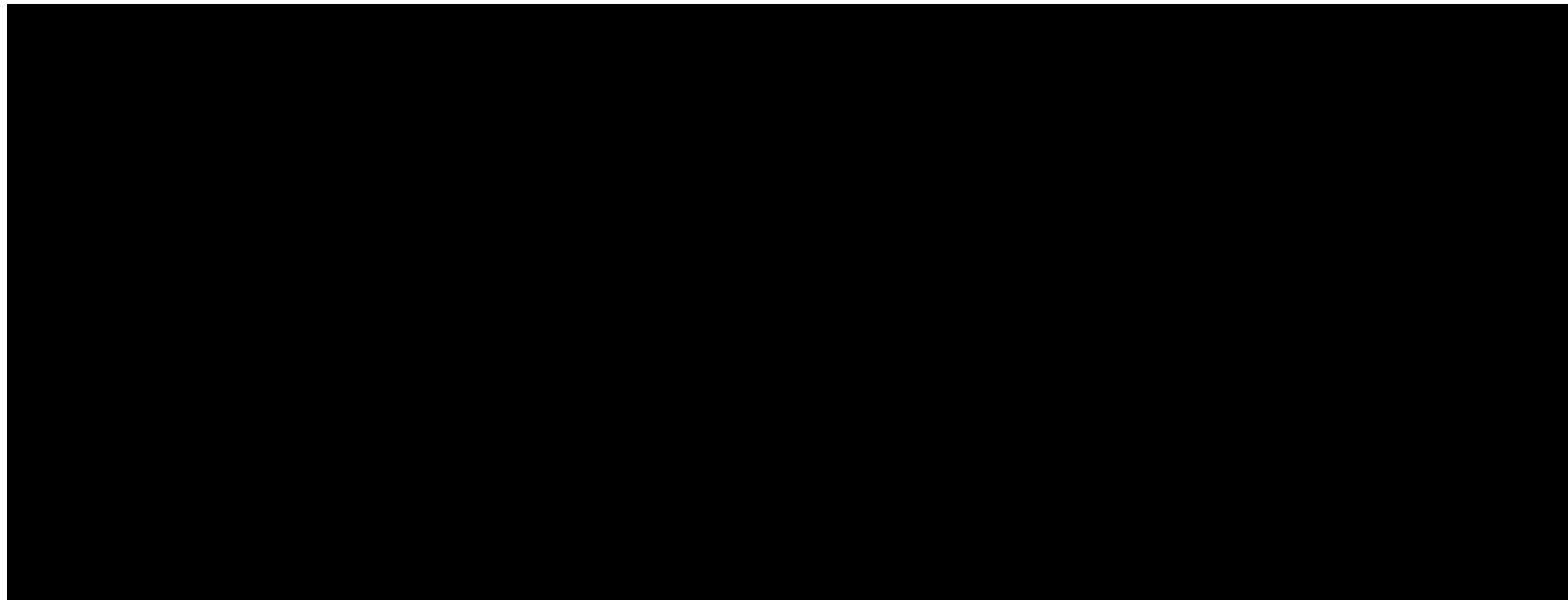
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Date: 07-Dec-2020 12:35 Page: 1

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-7	-2	-1	1	1	1
						Daily	Daily		BEF	+3h



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

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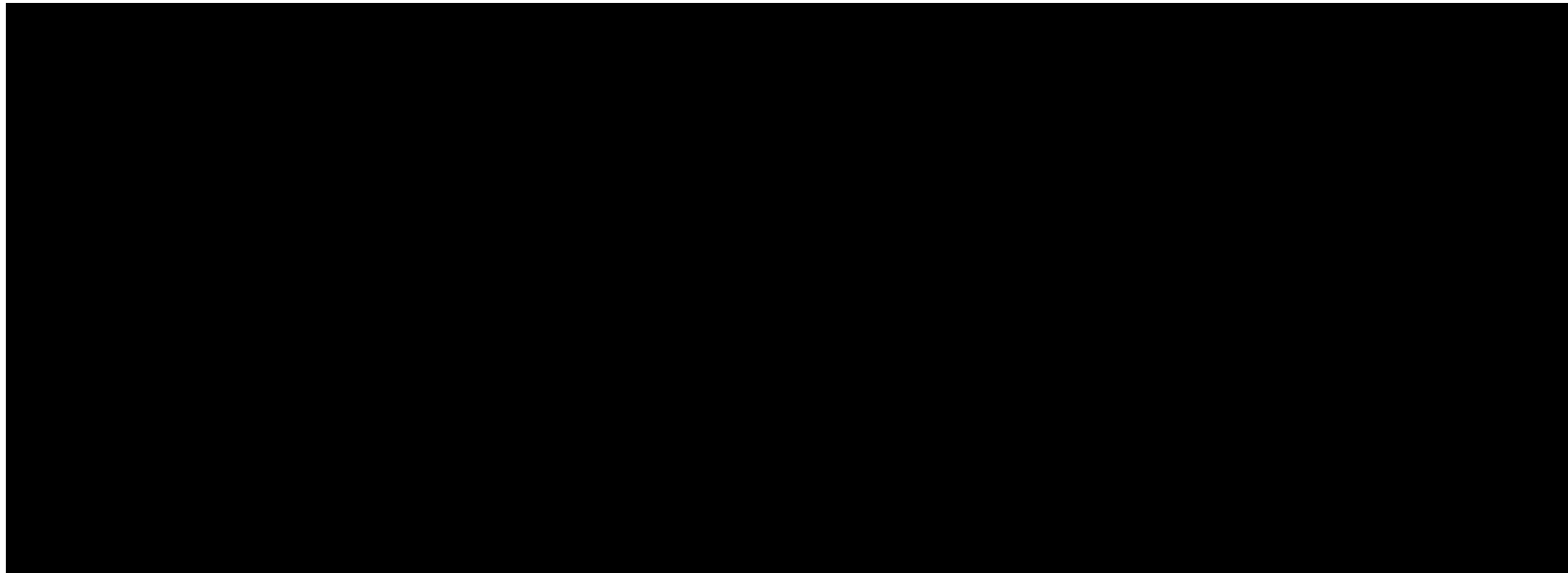
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Date: 07-Dec-2020 12:35 Page: 2

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	2	8	9	9	10	15
						BEF		Daily 1	Daily 1	



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

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Provantis

Date: 07-Dec-2020 12:35 Page: 3

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-7	-2	-1	1	1	1
						Daily	Daily		BEF	+3h



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

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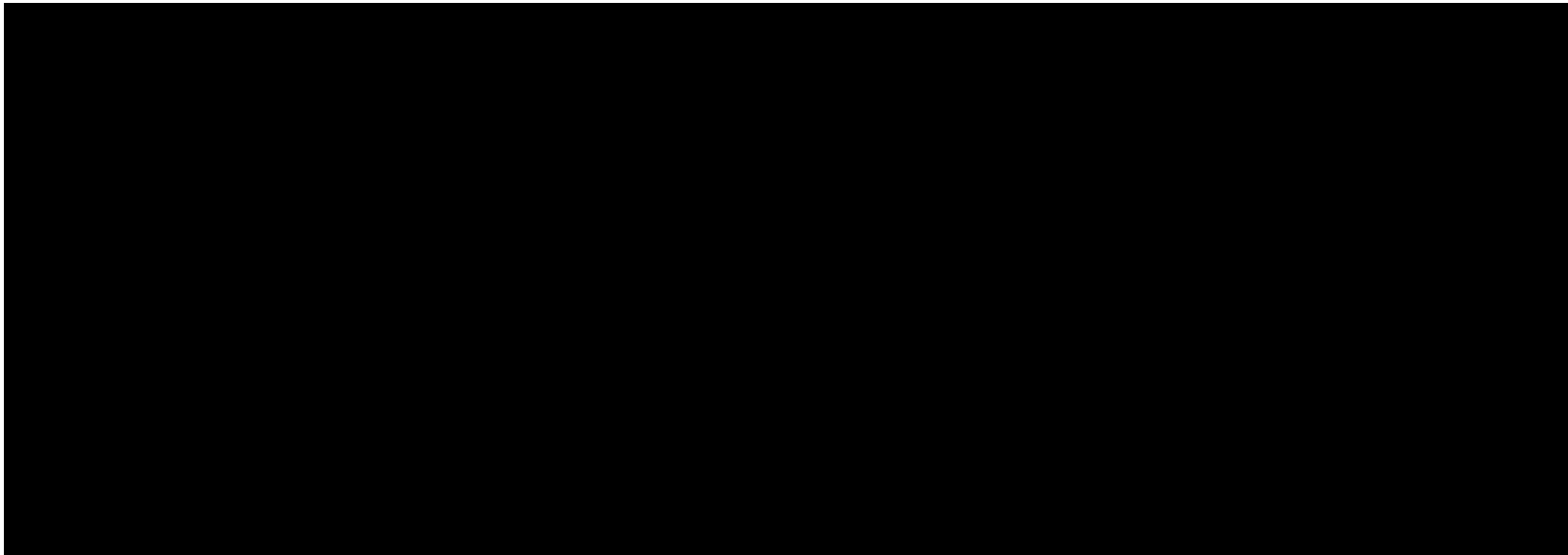
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Date: 07-Dec-2020 12:35 Page: 4

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	2	8	9	9	10	15
						BEF		Daily 1	Daily 1	



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

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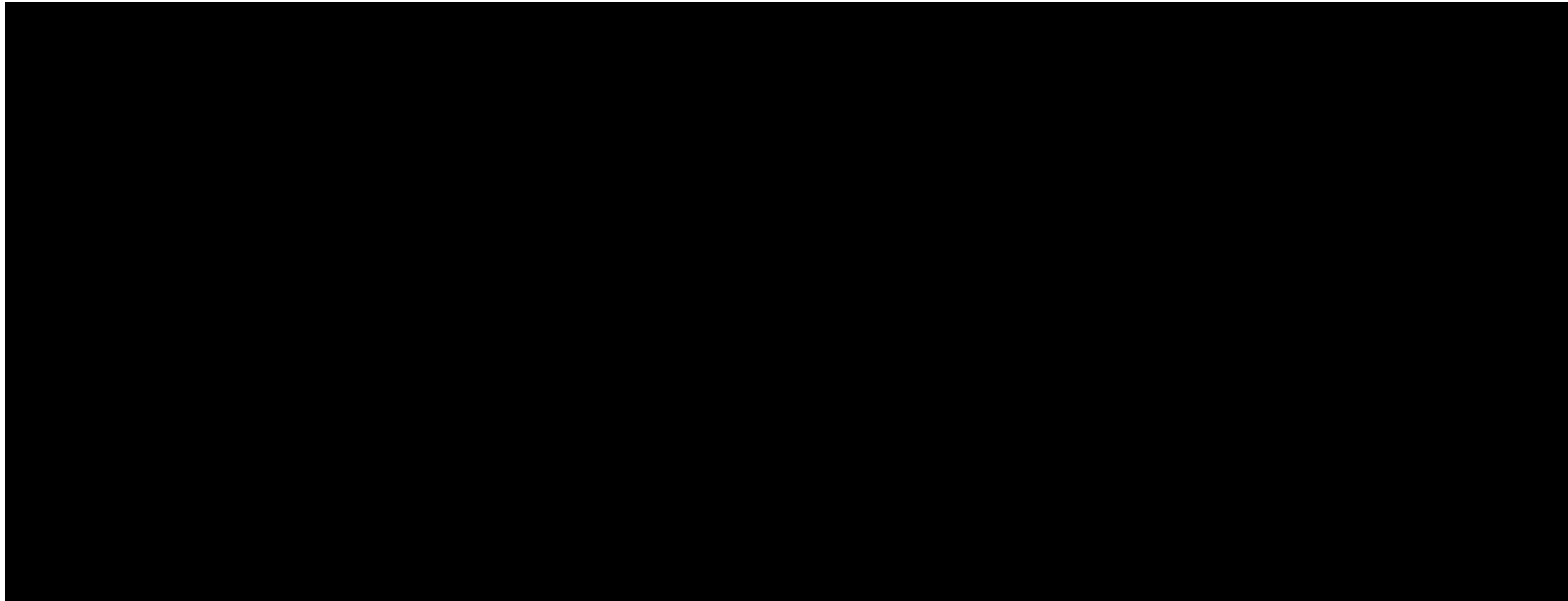
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Date: 07-Dec-2020 12:35 Page: 5

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-7	-2	-1	1	1	1
						Daily	Daily		BEF	+3h



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

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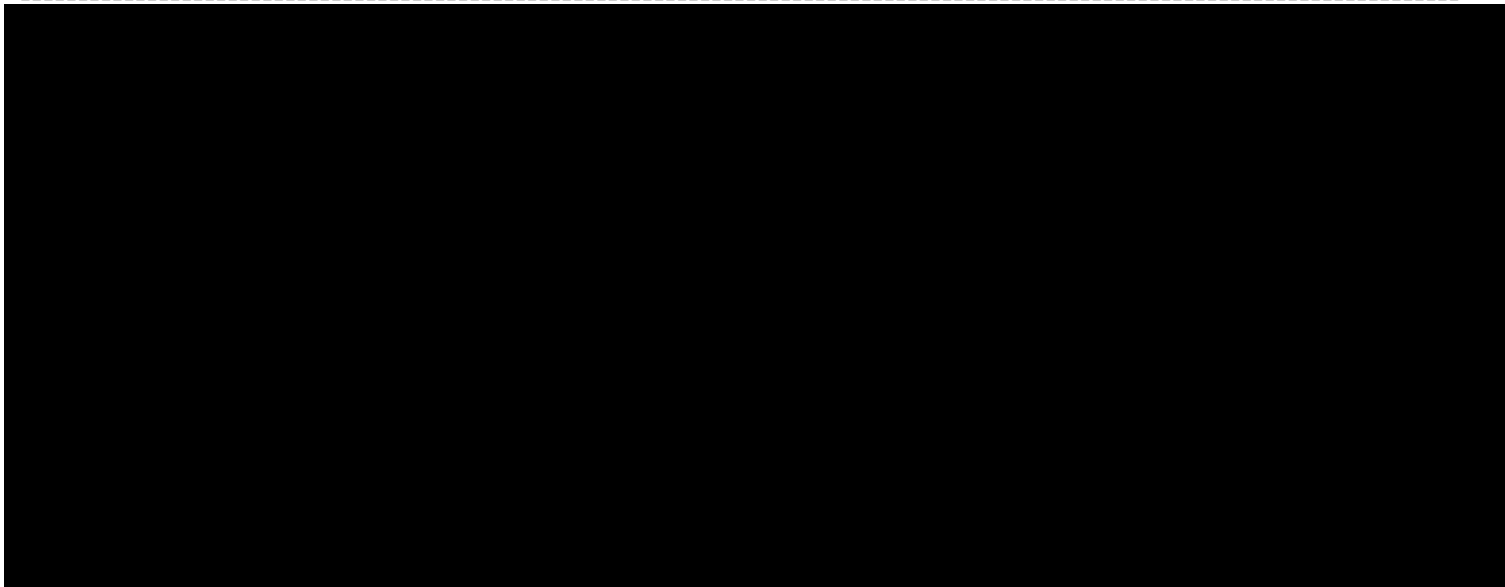
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Date: 07-Dec-2020 12:35 Page: 6

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	2	8	9	9	10	15
						BEF		Daily 1	Daily 1	



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

CONFIDENTIAL

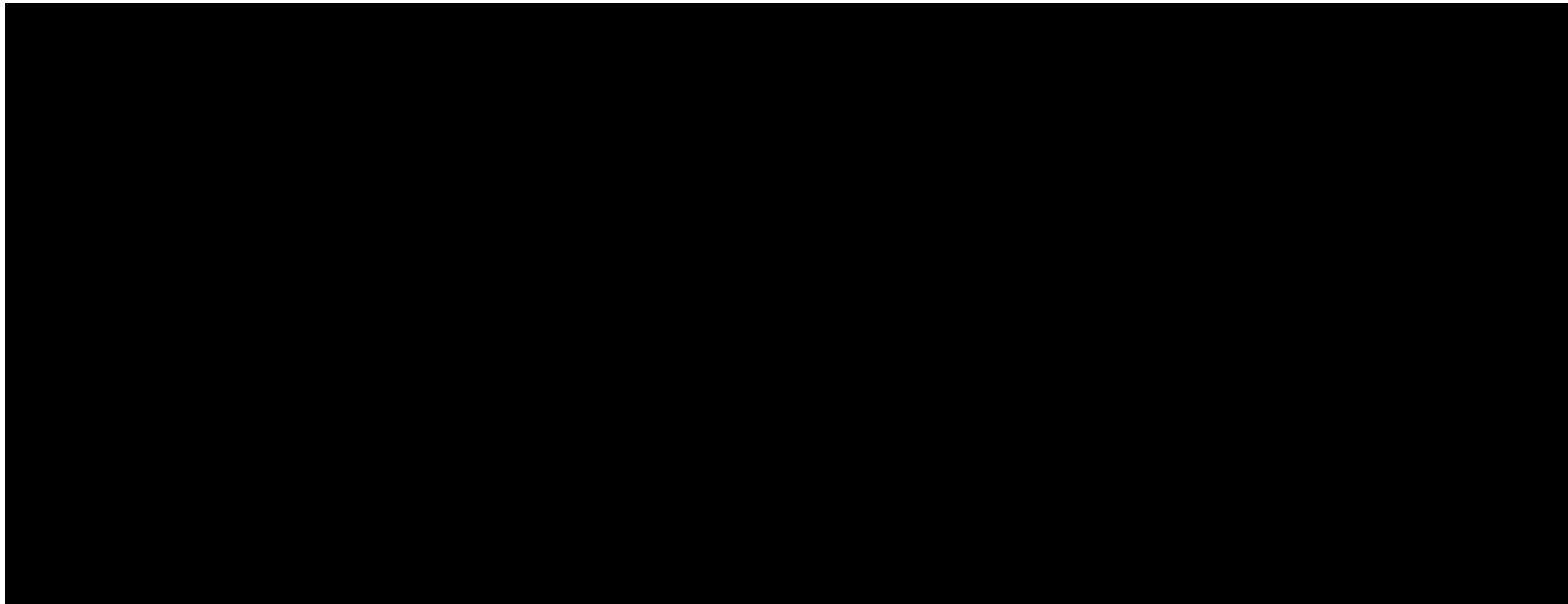
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Date: 07-Dec-2020 12:35 Page: 7

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-7	-2	-1	1	1	1
						Daily	Daily		BEF	+3h



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

CONFIDENTIAL

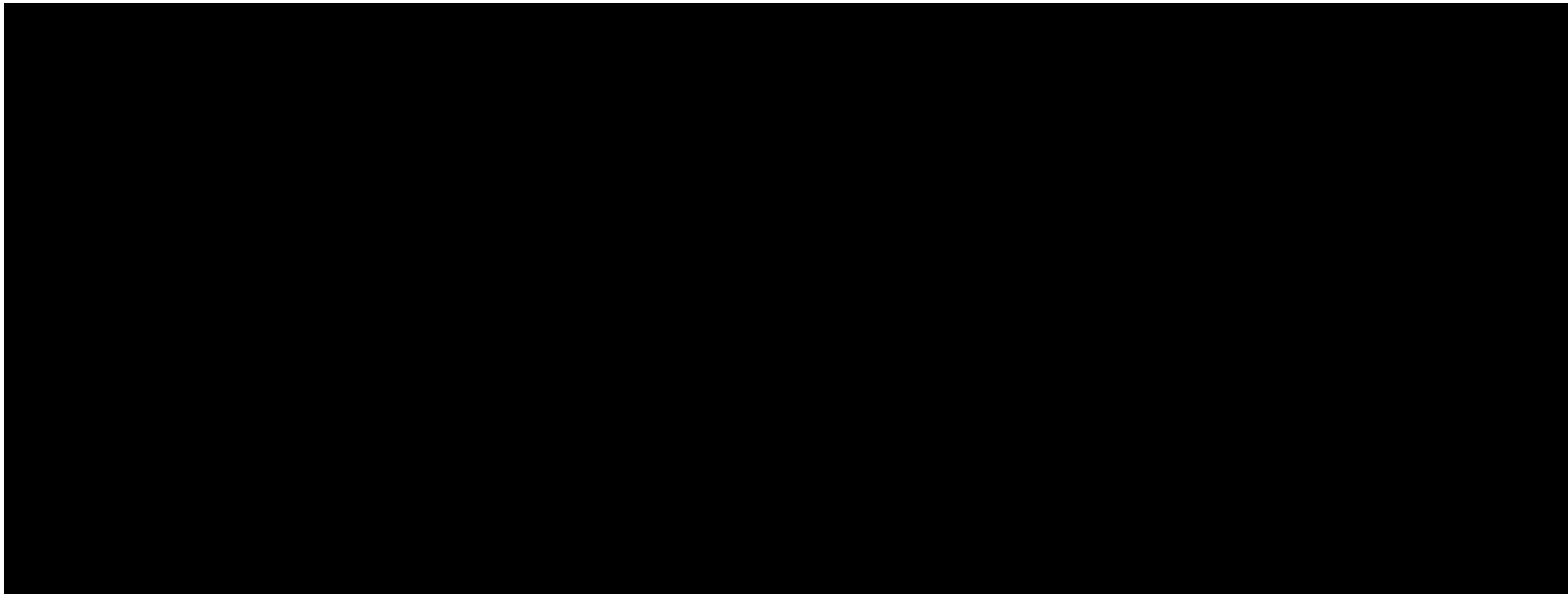
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Date: 07-Dec-2020 12:35 Page: 8

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	2	8	9	9	10	15
						BEF		Daily 1	Daily 1	



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

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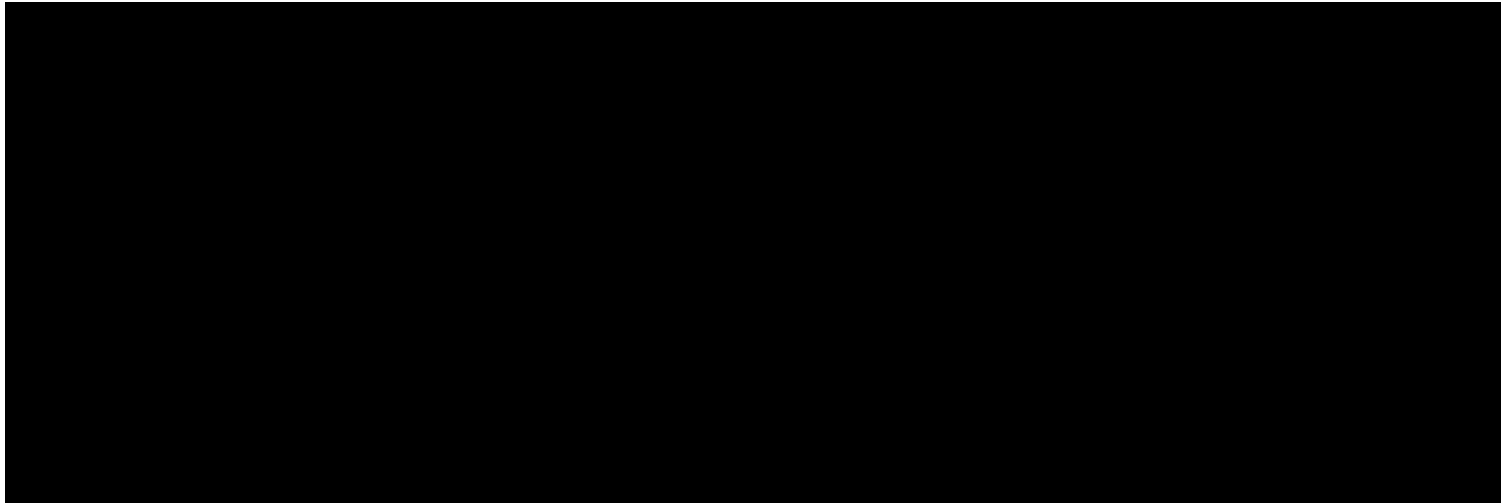
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Date: 07-Dec-2020 12:35 Page: 9

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-7	-2	-1	1	1	1
						Daily	Daily		BEF	+3h



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

CONFIDENTIAL

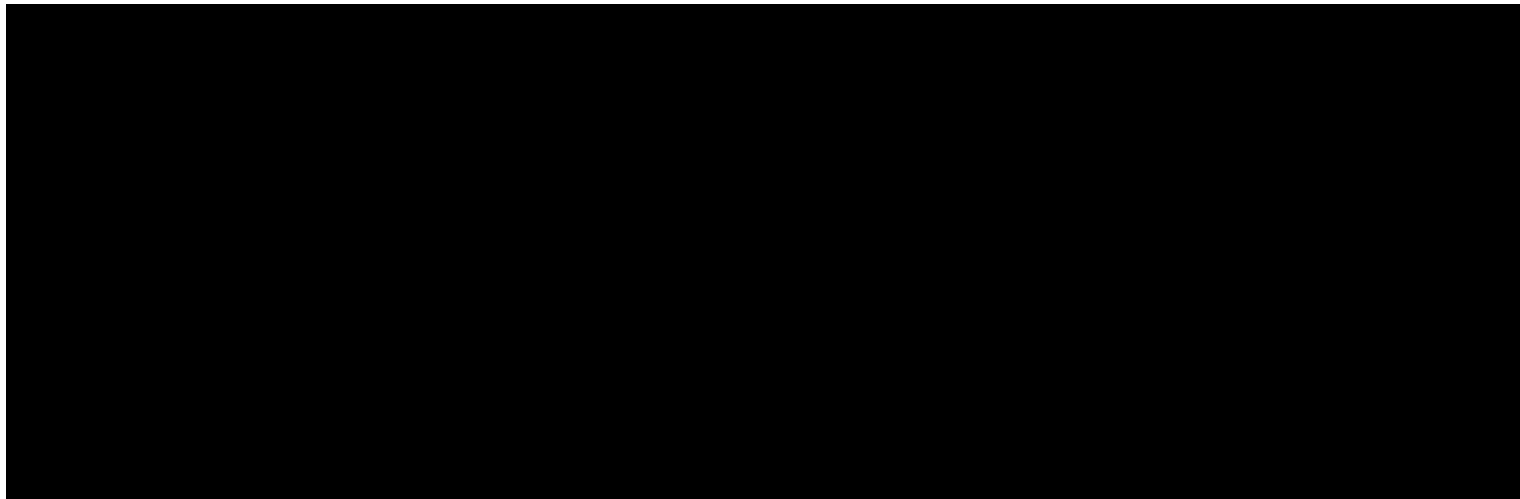
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Date: 07-Dec-2020 12:35 Page: 10

Individual Pre-Mating Clinical Observations of Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	2	8	9	9	10	15
						BEF		Daily 1	Daily 1	



Severity Codes: X = Present; 1 = Slight; 3 = Marked

Group 4 - [REDACTED]

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Provantis

Date: 20-Oct-2020 9:26 Page: 1

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	0	0 Daily 1	6 BEF	9	9 BEF	12
1	f	202	Malocclusion		.	.	.	.	X	X
			Teeth long	Lower tooth/teeth	.	X	.	.	.	.
		215	Scab(s).	Right forelimb	X	.	.	.	.	.
		220	Localised hairloss	Thorax	.	.	.	.	.	.
			Localised hairloss	Left and right forelimbs	.	.	.	.	.	.
		221	Sore(s).	Left forelimb	.	.	.	.	.	.
		222	Localised hairloss	Left forelimb	.	.	.	.	.	.
			Localised hairloss	Right forelimb	.	.	.	.	.	.
		2	Localised hairloss	Left and right forelimbs	.	.	.	.	.	.
		7	Localised hairloss	Left forelimb	.	.	X	X	.	.
		13	Localised hairloss	Left and right forelimbs	.	.	.	.	.	.
		20	Localised hairloss	Left and right forelimbs

Severity Codes: X = Present

Group 1 - Control 0mcg

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Provantis

Date: 20-Oct-2020 9:26 Page: 2

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	12 Daily 1	15	15 Daily 1	18	18 BEF	18 Daily 1
1	f	202	Malocclusion		.	X	.	.	.	X
			Teeth long	Lower tooth/teeth	.	.	.	.	.	.
		215	Scab(s).	Right forelimb	.	.	.	.	.	.
		220	Localised hairloss	Thorax	.	.	X	X	.	.
			Localised hairloss	Left and right forelimbs	.	.	X	X	.	.
		221	Sore(s).	Left forelimb	.	X	.	.	.	.
		222	Localised hairloss	Left forelimb	.	.	.	.	.	X
			Localised hairloss	Right forelimb	.	X	.	.	.	X
		2	Localised hairloss	Left and right forelimbs	.	.	X	.	X	.
		7	Localised hairloss	Left forelimb	X	X	.	X	.	.
		13	Localised hairloss	Left and right forelimbs	.	.	.	X	.	.
		20	Localised hairloss	Left and right forelimbs	.	.	X	.	X	.

Severity Codes: X = Present

Group 1 - Control 0mcg

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Date: 20-Oct-2020 9:26 Page: 3

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	21	21 BEF
1	f	202	Malocclusion		X	.
			Teeth long	Lower tooth/teeth	.	.
		215	Scab(s).	Right forelimb	.	.
		220	Localised hairloss	Thorax	X	.
			Localised hairloss	Left and right forelimbs	X	.
		221	Sore(s).	Left forelimb	.	.
		222	Localised hairloss	Left forelimb	X	.
			Localised hairloss	Right forelimb	X	.
		2	Localised hairloss	Left and right forelimbs	X	.
		7	Localised hairloss	Left forelimb	.	X
		13	Localised hairloss	Left and right forelimbs	X	.
		20	Localised hairloss	Left and right forelimbs	X	.

Severity Codes: X = Present

Group 1 - Control 0mcg

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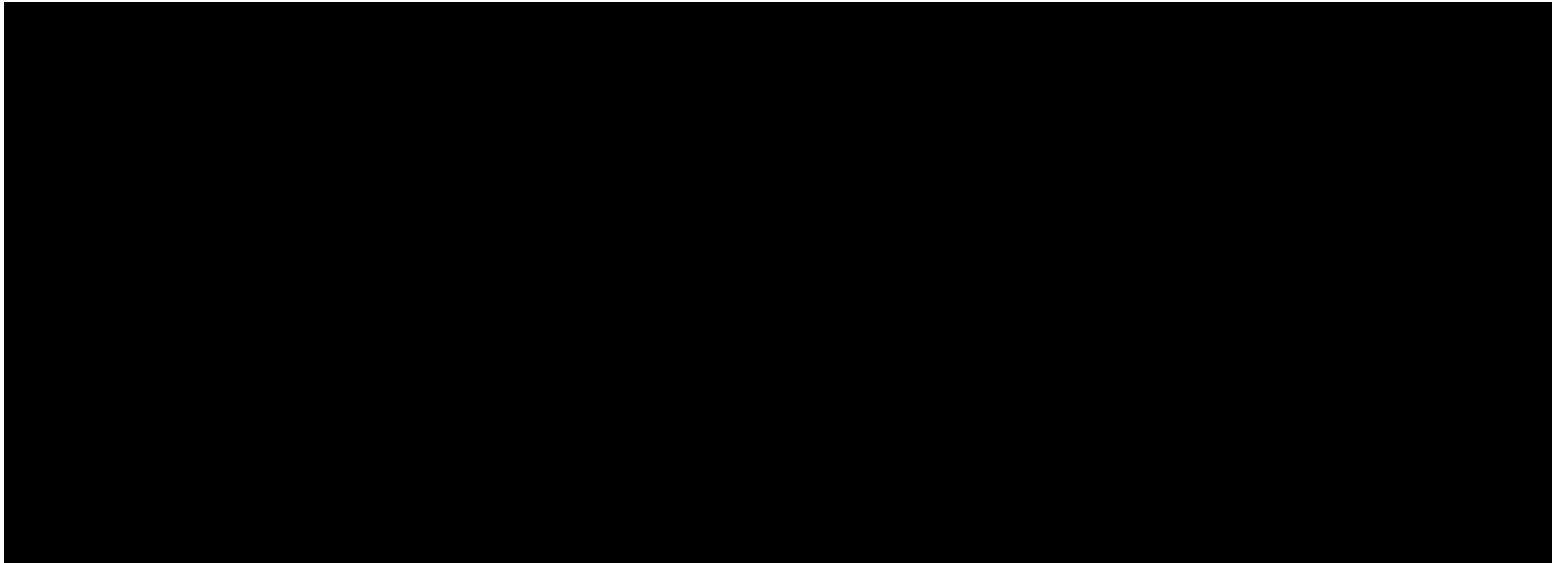
Date: 20-Oct-2020 9:26 Page: 1

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	0	0	6	6	9	9
						Daily 1		Daily 1		BEF



Severity Codes: X = Present

Group 2 - [REDACTED]

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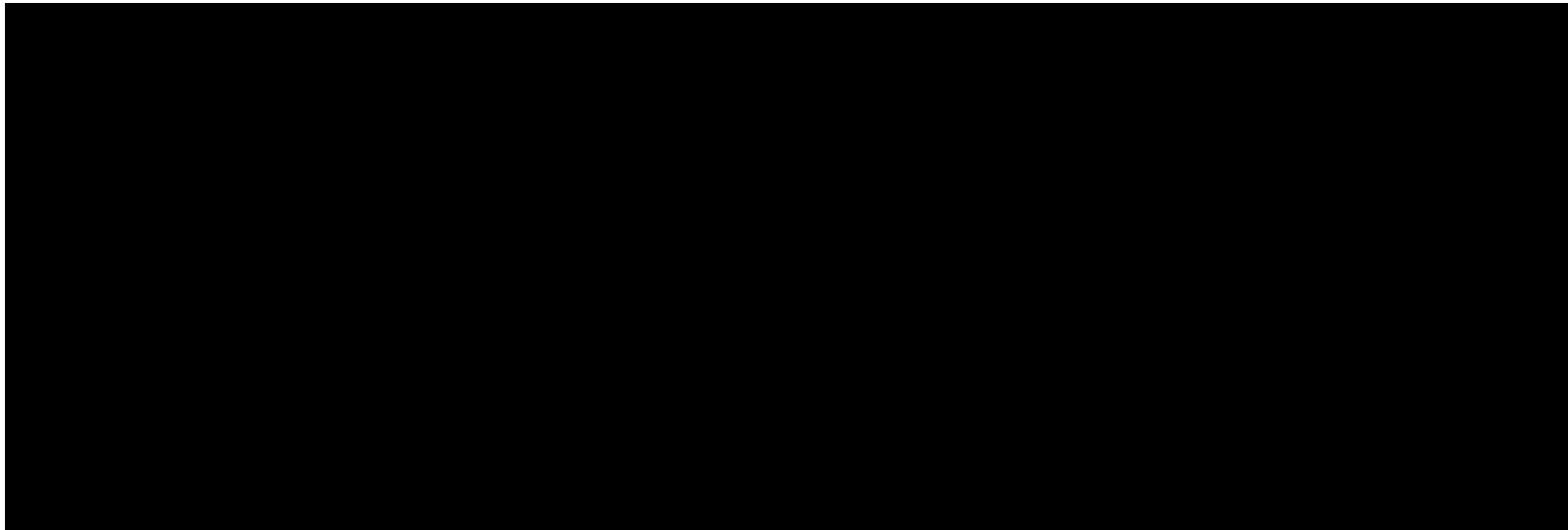
Date: 20-Oct-2020 9:26 Page: 2

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	9 Daily 1	12	12 Daily 1	15	15 Daily 1	18
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Severity Codes: X = Present

Group 2 - [REDACTED]

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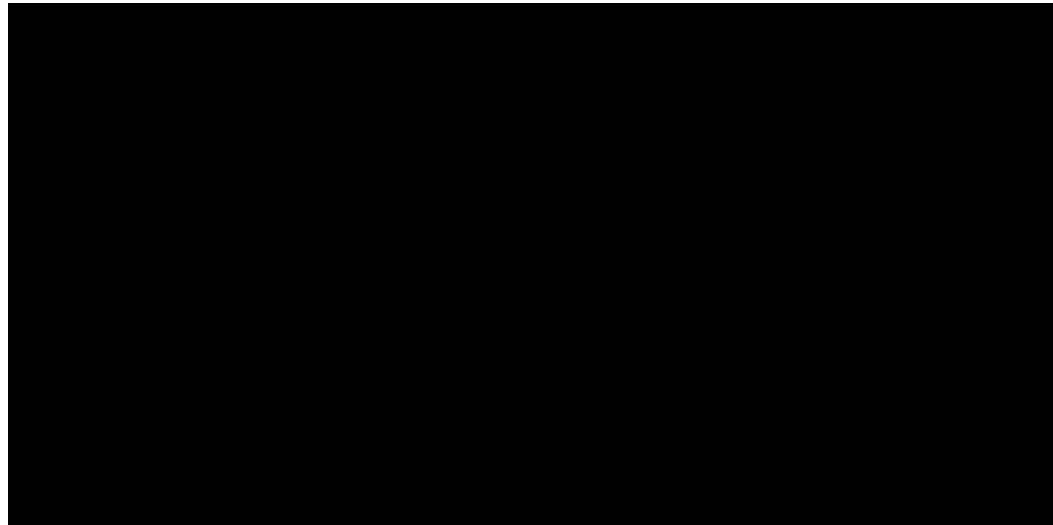
Provantis

Date: 20-Oct-2020 9:26 Page: 3

Individual Gestation Clinical Observations
20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	18 BEF	21
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Severity Codes: X = Present

Group 2 - [REDACTED]

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Provantis

Date: 20-Oct-2020 9:26 Page: 1

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	0	6	9	9 BEF	12	12 BEF
3	f	251	Red stained fur	Dorsal neck region	.	X	.	X	X	.
		253	Swelling.	Left hindlimb	.	.	.	.	.	X
			Swelling.	Injection site 2	.	.	.	.	.	.
		255	Swelling.	Injection site 2	.	.	.	.	.	.
		256	Localised hairloss	Back	.	.	.	.	.	.
			Localised hairloss	Left and right forelimbs	.	X	.	X	X	.
			Swelling.	Injection site 2	.	.	.	.	.	.
		259	Swelling.	Left hindlimb	.	.	.	.	X	.
		260	Localised hairloss	Thorax	.	.	.	.	.	.
			Localised hairloss	Left and right forelimbs	.	.	.	.	.	.
		261	Swelling.	Left hindlimb	.	.	.	.	.	X
			Swelling.	Injection site 2	.	.	.	.	.	.
		263	Pup(s) - Cold to touch	1 Pup	.	.	.	.	.	.
		264	Swelling.	Injection site 2	.	.	.	.	.	.
		265	Swelling.	Injection site 1	.	.	.	.	.	.
		47	Swelling.	Injection site 2	.	.	.	.	.	.
		49	Swelling.	Injection site 2	.	.	.	.	.	.
		53	Localised hairloss	Dorsal neck region	X	X	X	.	.	.
			Scab(s).	Clipped area	.	.	.	.	.	.
		54	Localised hairloss	Left and right forelimbs	.	.	.	.	.	.
		55	Localised hairloss	Left and right hindlimbs	.	X	X	.	X	.
		57	Localised hairloss	Left and right hindlimbs	.	X	.	.	.	.
		58	Localised hairloss	Left and right hindlimbs	.	X	.	.	.	.
		61	Localised hairloss	Left and right forelimbs	.	.	.	.	.	.
		62	Localised hairloss	Left and right forelimbs	.	.	.	.	.	.
		63	Swelling.	Injection site 2	.	.	.	.	.	.
		64	Localised hairloss	Left and right hindlimbs	.	X

Severity Codes: X = Present

Group 3 - BNT162b2 30mcg

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Provantis

Date: 20-Oct-2020 9:26 Page: 2

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	12 Daily 1	15	15 Daily 1	18 BEF	18 Daily 1	21
3	f	251	Red stained fur	Dorsal neck region	.	.	.	.	.	.
		253	Swelling.	Left hindlimb	.	.	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	.	.
		255	Swelling.	Injection site 2	.	.	.	.	.	.
		256	Localised hairloss	Back	.	.	.	.	.	X
			Localised hairloss	Left and right forelimbs	.	X	.	.	X	X
			Swelling.	Injection site 2	.	.	.	.	.	X
		259	Swelling.	Left hindlimb	.	.	.	.	.	.
		260	Localised hairloss	Thorax	.	X	.	.	X	X
			Localised hairloss	Left and right forelimbs	.	X	.	.	X	X
		261	Swelling.	Left hindlimb	.	.	.	.	.	.
			Swelling.	Injection site 2	.	.	.	.	.	.
		263	Pup(s) - Cold to touch	1 Pup	.	.	.	.	.	X
		264	Swelling.	Injection site 2	.	.	.	.	.	.
		265	Swelling.	Injection site 1	X	.	.	.	.	.
		47	Swelling.	Injection site 2	.	.	.	.	.	X
		49	Swelling.	Injection site 2	.	.	.	.	.	X
		53	Localised hairloss	Dorsal neck region	X	X	.	X	.	X
			Scab(s).	Clipped area	.	.	.	.	.	X
		54	Localised hairloss	Left and right forelimbs	.	.	.	X	.	X
		55	Localised hairloss	Left and right hindlimbs	.	.	X	.	.	.
		57	Localised hairloss	Left and right hindlimbs	.	.	.	.	.	.
		58	Localised hairloss	Left and right hindlimbs	.	.	.	.	.	.
		61	Localised hairloss	Left and right forelimbs	.	.	.	.	.	X
		62	Localised hairloss	Left and right forelimbs	.	.	.	.	.	X
		63	Swelling.	Injection site 2	.	.	.	.	.	X
		64	Localised hairloss	Left and right hindlimbs

Severity Codes: X = Present

Group 3 - BNT162b2 30mcg

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Provantis

Date: 20-Oct-2020 9:26 Page: 3

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	21 BEF
3	f	251	Red stained fur	Dorsal neck region	.
		253	Swelling.	Left hindlimb	.
			Swelling.	Injection site 2	X
		255	Swelling.	Injection site 2	X
		256	Localised hairloss	Back	.
			Localised hairloss	Left and right forelimbs	.
			Swelling.	Injection site 2	.
		259	Swelling.	Left hindlimb	.
		260	Localised hairloss	Thorax	.
			Localised hairloss	Left and right forelimbs	.
		261	Swelling.	Left hindlimb	.
			Swelling.	Injection site 2	X
		263	Pup(s) - Cold to touch	1 Pup	.
		264	Swelling.	Injection site 2	X
		265	Swelling.	Injection site 1	.
		47	Swelling.	Injection site 2	.
		49	Swelling.	Injection site 2	.
		53	Localised hairloss	Dorsal neck region	.
			Scab(s).	Clipped area	.
		54	Localised hairloss	Left and right forelimbs	.
		55	Localised hairloss	Left and right hindlimbs	.
		57	Localised hairloss	Left and right hindlimbs	.
		58	Localised hairloss	Left and right hindlimbs	.
		61	Localised hairloss	Left and right forelimbs	.
		62	Localised hairloss	Left and right forelimbs	.
		63	Swelling.	Injection site 2	.
		64	Localised hairloss	Left and right hindlimbs	.

Severity Codes: X = Present

Group 3 - BNT162b2 30mcg

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Provantis

Date: 20-Oct-2020 9:26 Page: 4

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	0	6	9	9 BEF	12	12 BEF
3	f	65	Localised hairloss	Thorax	.	X	X	.	.	.
			Localised hairloss	Abdomen	.	X	X	.	.	.
			Localised hairloss	Left and right forelimbs	.	X	X	.	.	.
			Scab(s).	Right hindlimb	.	.	X	.	.	.

Severity Codes: X = Present

Group 3 - BNT162b2 30mcg

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Date: 20-Oct-2020 9:26 Page: 5

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	12 Daily 1	15	15 Daily 1	18 BEF	18 Daily 1	21
3	f	65	Localised hairloss	Thorax	X	X	.	X	.	X
			Localised hairloss	Abdomen	X	X	.	X	.	X
			Localised hairloss	Left and right forelimbs	X	X	.	X	.	X
			Scab(s) .	Right hindlimb

Severity Codes: X = Present

Group 3 - BNT162b2 30mcg

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Provantis

Date: 20-Oct-2020 9:26 Page: 6

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	21 BEF
3	f	65	Localised hairloss	Thorax	.
			Localised hairloss	Abdomen	.
			Localised hairloss	Left and right forelimbs	.
			Scab(s).	Right hindlimb	.

Severity Codes: X = Present

Group 3 - BNT162b2 30mcg

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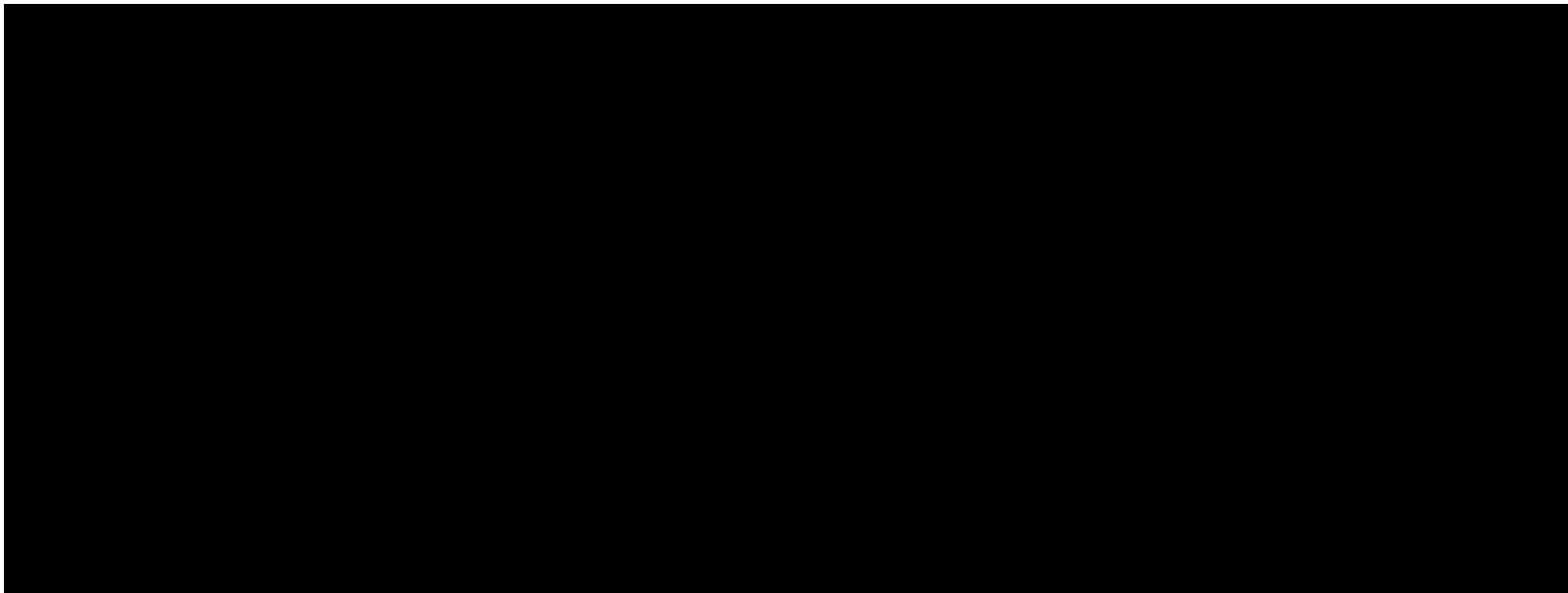
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Date: 20-Oct-2020 9:27 Page: 1

Individual Gestation Clinical Observations
20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	0	0	6	9	9	12
						Daily		BEF	Daily	



Severity Codes: X = Present; 3 = Marked

Group 4 - [REDACTED]

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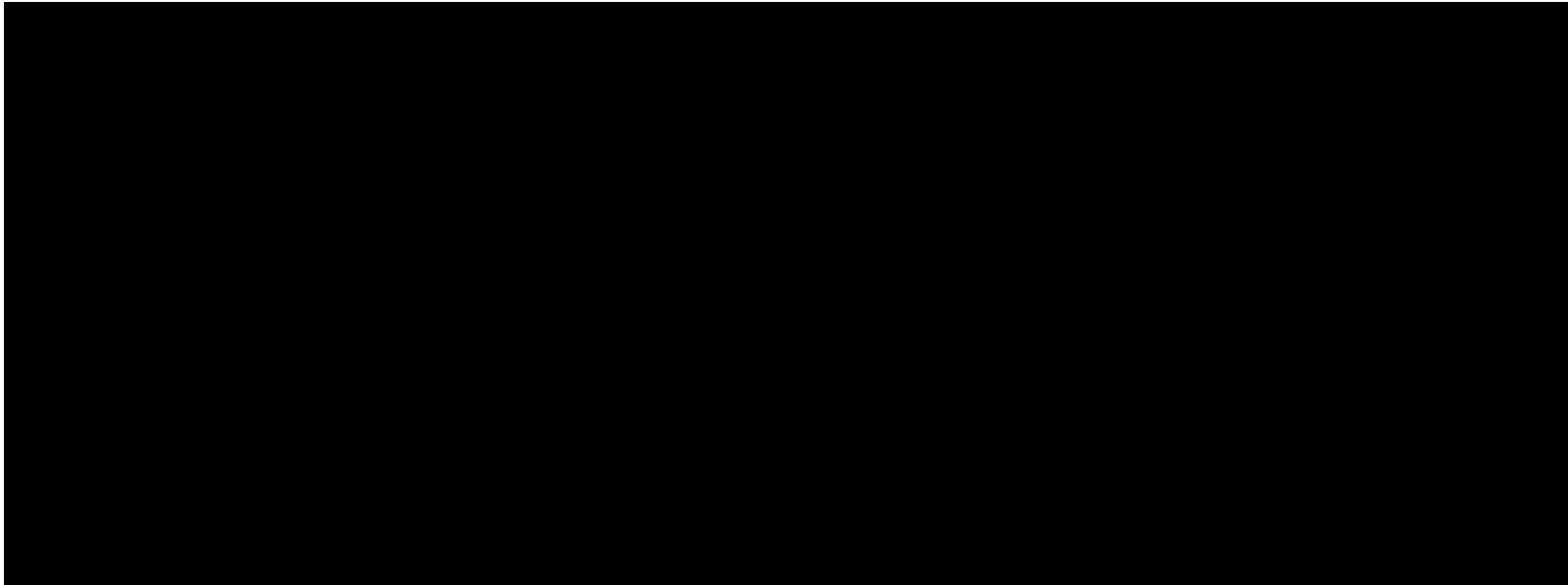
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Date: 20-Oct-2020 9:27 Page: 2

Individual Gestation Clinical Observations
20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	12 BEF	12 Daily 1	15	15 Daily 1	18 BEF	18 Daily 1
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Severity Codes: X = Present; 3 = Marked

Group 4 - [REDACTED]

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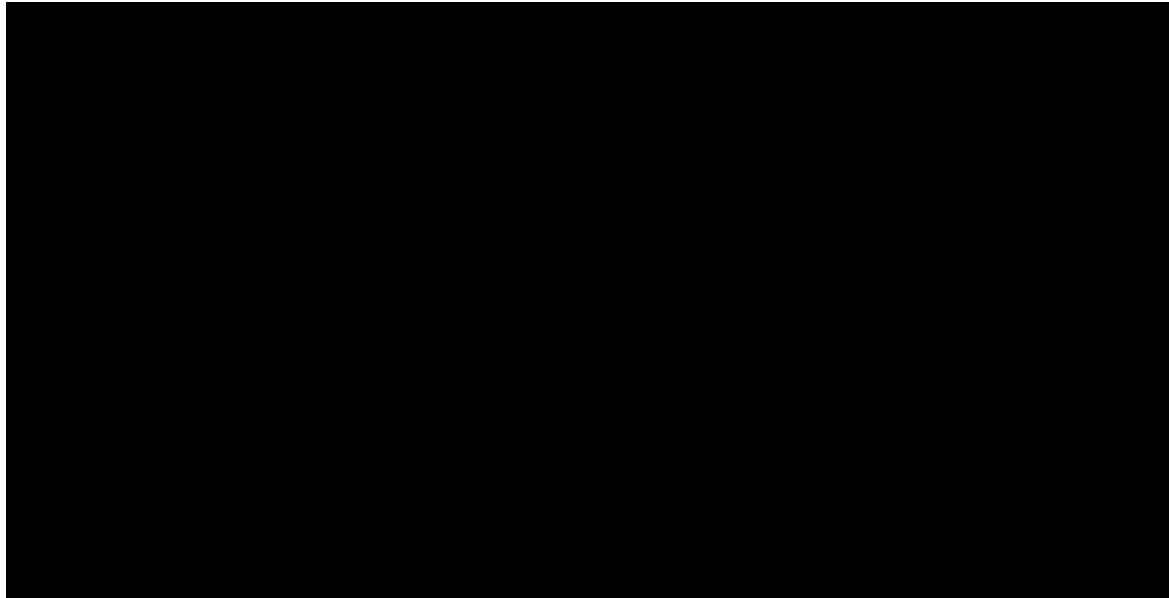
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Date: 20-Oct-2020 9:27 Page: 3

Individual Gestation Clinical Observations
20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	21	21	21
						BEF	Daily 1



Severity Codes: X = Present; 3 = Marked

Group 4 - [REDACTED]

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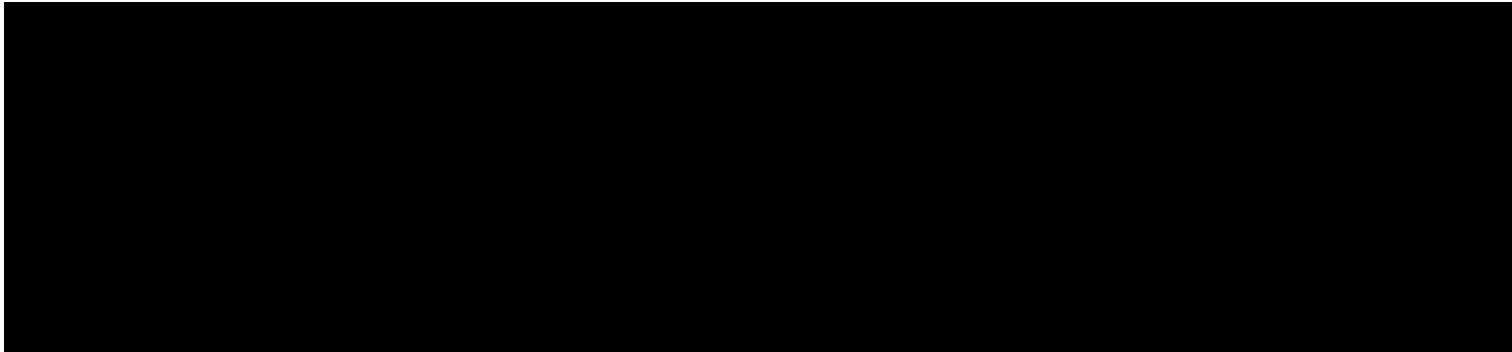
Date: 20-Oct-2020 9:27 Page: 4

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	0	0	6	9	9	12
						Daily	1	BEF	Daily	1



Severity Codes: X = Present; 3 = Marked

Group 4 - [REDACTED]

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Provantis

Date: 20-Oct-2020 9:27 Page: 5

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	12 BEF	12 Daily 1	15	15 Daily 1	18 BEF	18 Daily 1
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Severity Codes: X = Present; 3 = Marked

Group 4 - [REDACTED]

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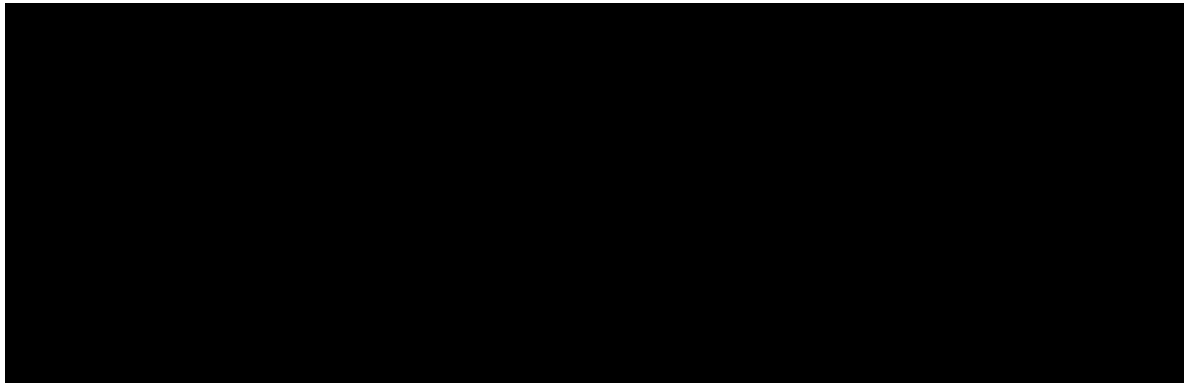
Date: 20-Oct-2020 9:27 Page: 6

Individual Gestation Clinical Observations

20256434

Day numbers relative to Mating Date

Group	Sex	Animal	Clinical Sign	Site	21	21	21
						BEF	Daily 1



Severity Codes: X = Present; 3 = Marked

Group 4 - [REDACTED]

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Provantis

Date: 20-Oct-2020 9:29 Page: 1

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	1	4	4	7	8
							Daily 1	Daily 1	Daily 1
1	f	202	Malocclusion		X	.	X	X	.
			Teeth cut	Lower tooth/teeth	X	.	.	.	.
		204	Localised hairloss	Left forelimb	.	X	.	X	.
		206	Pup(s) - Haematoma(s)	1 Male	.	.	.	T	T
		208	Pup(s) - Haematoma(s)	1 Male	H	.	.	.	.
		210	Scab(s).	Abdomen	.	X	.	.	.
		214	Localised hairloss	Left and right forelimbs	.	.	.	.	.
		215	Localised hairloss	Left and right forelimbs	.	.	.	.	.
			Nodule(s).	Nose	.	.	.	.	.
			Swelling.	Muzzle	.	.	.	.	.
		220	Localised hairloss	Thorax	X	X	.	X	.
			Localised hairloss	Left and right forelimbs	X	X	.	X	.
			Pup(s) -Incomplete hair growth	2 Males	.	.	.	.	.
			Pup(s) -Incomplete hair growth	2 Females	.	.	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	.	.
		221	Scab(s).	Abdomen	.	.	.	.	.
			Scab(s).	Left hindlimb	.	.	.	.	.
			Scab(s).	Clipped area	.	.	.	X	.
			Sore(s)	Abdomen	.	.	.	.	.
		222	Localised hairloss	Left forelimb	X	X	.	X	.
			Localised hairloss	Right forelimb	X	X	.	X	.
			Localised hairloss	Whole body	.	.	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	.	.

Severity Codes: X = Present; 1 = Slight; H = Head; T = Thorax/Abdomen

Group 1 - Control 0mcg

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Provantis

Date: 20-Oct-2020 9:29 Page: 2

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	9 Daily 1	10	10 BEF	10 Daily 1	11 BEF
1	f	202	Malocclusion		.	.	X	.	.
			Teeth cut	Lower tooth/teeth	.	.	.	.	.
		204	Localised hairloss	Left forelimb	.	X	.	.	.
		206	Pup(s) - Haematoma(s)	1 Male	T	T	.	.	T
		208	Pup(s) - Haematoma(s)	1 Male	.	.	.	.	.
		210	Scab(s).	Abdomen	.	.	.	.	.
		214	Localised hairloss	Left and right forelimbs	.	.	.	.	.
		215	Localised hairloss	Left and right forelimbs	X	.	.	X	.
			Nodule(s).	Nose	.	.	.	.	.
			Swelling.	Muzzle	X	.	.	X	.
		220	Localised hairloss	Thorax	.	X	.	.	.
			Localised hairloss	Left and right forelimbs	.	X	.	.	.
			Pup(s) -Incomplete hair growth	2 Males	X	X	.	.	X
			Pup(s) -Incomplete hair growth	2 Females	X	X	.	.	X
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	.	.
		221	Scab(s).	Abdomen	.	.	.	.	.
			Scab(s).	Left hindlimb	.	.	.	.	.
			Scab(s).	Clipped area	.	.	X	.	.
			Sore(s)	Abdomen	.	.	.	.	.
		222	Localised hairloss	Left forelimb	.	.	.	.	.
			Localised hairloss	Right forelimb	.	.	.	.	.
			Localised hairloss	Whole body	.	.	X	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	.	.

Severity Codes: X = Present; 1 = Slight; H = Head; T = Thorax/Abdomen

Group 1 - Control 0mcg

CONFIDENTIAL

Provantis

Date: 20-Oct-2020 9:29 Page: 3

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	12 BEF	13	13 BEF	13 Veto 1	14
1	f	202	Malocclusion		.	.	.	.	.
			Teeth cut	Lower tooth/teeth	.	.	.	.	.
		204	Localised hairloss	Left forelimb	.	.	.	.	X
		206	Pup(s) - Haematoma(s)	1 Male	.	.	.	.	.
		208	Pup(s) - Haematoma(s)	1 Male	.	.	.	.	.
		210	Scab(s).	Abdomen	.	.	.	.	.
		214	Localised hairloss	Left and right forelimbs	.	.	.	.	.
		215	Localised hairloss	Left and right forelimbs	.	.	.	.	.
			Nodule(s).	Nose	.	.	.	.	.
			Swelling.	Muzzle	.	.	.	.	.
		220	Localised hairloss	Thorax	.	.	.	.	X
			Localised hairloss	Left and right forelimbs	.	.	.	.	X
			Pup(s) -Incomplete hair growth	2 Males	.	.	.	.	.
			Pup(s) -Incomplete hair growth	2 Females	.	.	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	X	.	X	.	X
		221	Scab(s).	Abdomen	.	.	.	.	.
			Scab(s).	Left hindlimb	.	.	.	.	.
			Scab(s).	Clipped area	.	.	.	.	X
			Sore(s)	Abdomen	.	.	.	1	.
		222	Localised hairloss	Left forelimb	.	.	.	.	.
			Localised hairloss	Right forelimb	.	.	.	.	.
			Localised hairloss	Whole body	.	.	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	X	.	.	.

Severity Codes: X = Present; 1 = Slight; H = Head; T = Thorax/Abdomen

Group 1 - Control 0mcg

CONFIDENTIAL

Provantis

Date: 20-Oct-2020 9:29 Page: 4

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	14 BEF	14 Daily 1	15	15 Daily 1	16
1	f	202	Malocclusion		.	X	.	.	.
			Teeth cut	Lower tooth/teeth	.	.	.	.	.
		204	Localised hairloss	Left forelimb	.	.	.	.	.
		206	Pup(s) - Haematoma(s)	1 Male	.	.	.	.	.
		208	Pup(s) - Haematoma(s)	1 Male	.	.	.	.	.
		210	Scab(s).	Abdomen	.	.	.	.	.
		214	Localised hairloss	Left and right forelimbs	.	.	.	.	.
		215	Localised hairloss	Left and right forelimbs	X	.	.	.	.
			Nodule(s).	Nose	.	.	.	.	.
			Swelling.	Muzzle	.	.	.	.	.
		220	Localised hairloss	Thorax	.	.	.	.	.
			Localised hairloss	Left and right forelimbs	.	.	.	.	.
			Pup(s) -Incomplete hair growth	2 Males	.	.	.	.	.
			Pup(s) -Incomplete hair growth	2 Females	.	.	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	X	X
		221	Scab(s).	Abdomen	.	.	.	.	.
			Scab(s).	Left hindlimb	.	.	.	.	.
			Scab(s).	Clipped area	.	.	.	.	.
			Sore(s)	Abdomen	.	.	.	.	.
		222	Localised hairloss	Left forelimb	.	.	.	.	.
			Localised hairloss	Right forelimb	.	.	.	.	.
			Localised hairloss	Whole body	.	X	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	X	X	.	X

Severity Codes: X = Present; 1 = Slight; H = Head; T = Thorax/Abdomen

Group 1 - Control 0mcg

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Provantis

Date: 20-Oct-2020 9:29 Page: 5

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	16 Veto 1	17	17 Daily 1	18 Daily 1	19
1	f	202	Malocclusion		.	.	X	.	.
			Teeth cut	Lower tooth/teeth	.	.	.	.	.
		204	Localised hairloss	Left forelimb	.	X	.	.	.
		206	Pup(s) - Haematoma(s)	1 Male	.	.	.	.	.
		208	Pup(s) - Haematoma(s)	1 Male	.	.	.	.	.
		210	Scab(s).	Abdomen	.	.	.	.	.
		214	Localised hairloss	Left and right forelimbs	.	.	.	.	.
		215	Localised hairloss	Left and right forelimbs	.	X	.	.	.
			Nodule(s).	Nose	.	.	.	.	.
			Swelling.	Muzzle	.	.	.	.	.
		220	Localised hairloss	Thorax	.	X	.	.	.
			Localised hairloss	Left and right forelimbs	.	X	.	.	.
			Pup(s) -Incomplete hair growth	2 Males	.	.	.	.	.
			Pup(s) -Incomplete hair growth	2 Females	.	.	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	X	.	.	.
		221	Scab(s).	Abdomen	.	.	X	.	.
			Scab(s).	Left hindlimb	.	.	X	.	.
			Scab(s).	Clipped area	.	.	X	.	.
			Sore(s)	Abdomen	1	.	.	.	.
		222	Localised hairloss	Left forelimb	.	.	.	.	.
			Localised hairloss	Right forelimb	.	.	.	.	.
			Localised hairloss	Whole body	.	.	X	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	X	X	X

Severity Codes: X = Present; 1 = Slight; H = Head; T = Thorax/Abdomen

Group 1 - Control 0mcg

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Provantis

Date: 20-Oct-2020 9:29 Page: 6

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	20	20 Veto 1	21	21 Daily 1
1	f	202	Malocclusion		.	.	X	.
			Teeth cut	Lower tooth/teeth	.	.	.	.
		204	Localised hairloss	Left forelimb	.	.	X	.
		206	Pup(s) - Haematoma(s)	1 Male	.	.	.	.
		208	Pup(s) - Haematoma(s)	1 Male	.	.	.	.
		210	Scab(s).	Abdomen	.	.	.	.
		214	Localised hairloss	Left and right forelimbs	.	.	X	.
		215	Localised hairloss	Left and right forelimbs	.	.	X	.
			Nodule(s).	Nose	.	.	X	.
			Swelling.	Muzzle	.	.	.	.
		220	Localised hairloss	Thorax	.	.	X	.
			Localised hairloss	Left and right forelimbs	.	.	X	.
			Pup(s) -Incomplete hair growth	2 Males	.	.	.	.
			Pup(s) -Incomplete hair growth	2 Females	.	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	.
		221	Scab(s).	Abdomen	.	.	.	X
			Scab(s).	Left hindlimb	.	.	.	X
			Scab(s).	Clipped area	.	.	.	X
			Sore(s)	Abdomen	.	1	.	.
		222	Localised hairloss	Left forelimb	.	.	.	.
			Localised hairloss	Right forelimb	.	.	.	.
			Localised hairloss	Whole body	.	.	X	.
			Pup(s) -Incomplete hair growth	All Pups	X	.	.	.

Severity Codes: X = Present; 1 = Slight; H = Head; T = Thorax/Abdomen

Group 1 - Control 0mcg

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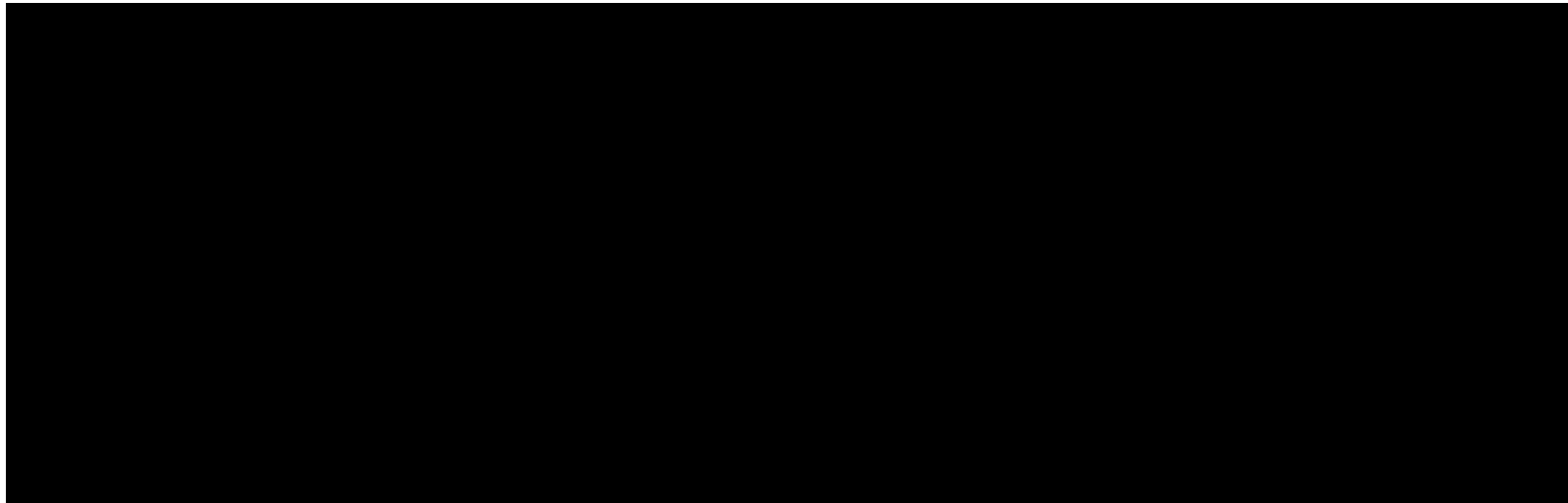
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Date: 20-Oct-2020 9:29 Page: 1

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	0	1	2	3	3
									Daily 1



Severity Codes: X = Present; 1 = Slight; L = Left eye; B = Both; B = Back/Neck

Group 2 - [REDACTED]

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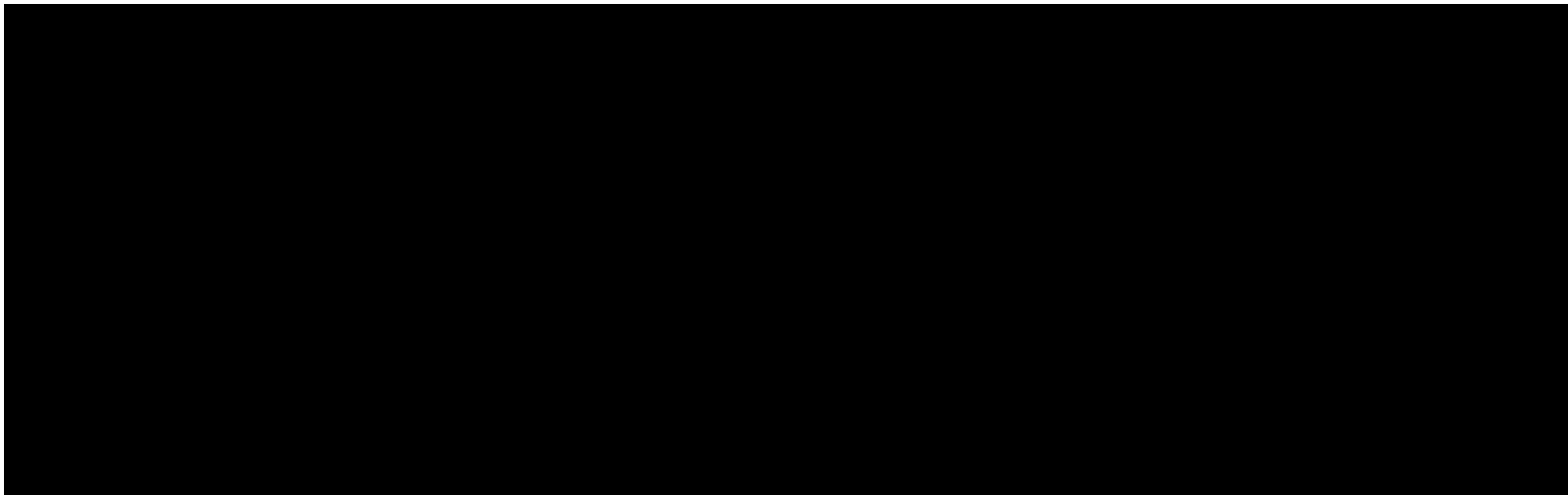
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Date: 20-Oct-2020 9:29 Page: 2

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	4	4	5	7	10
						Daily 1	Daily 1	Daily 1	



Severity Codes: X = Present; 1 = Slight; L = Left eye; B = Both; B = Back/Neck

Group 2 - [REDACTED]

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Provantis

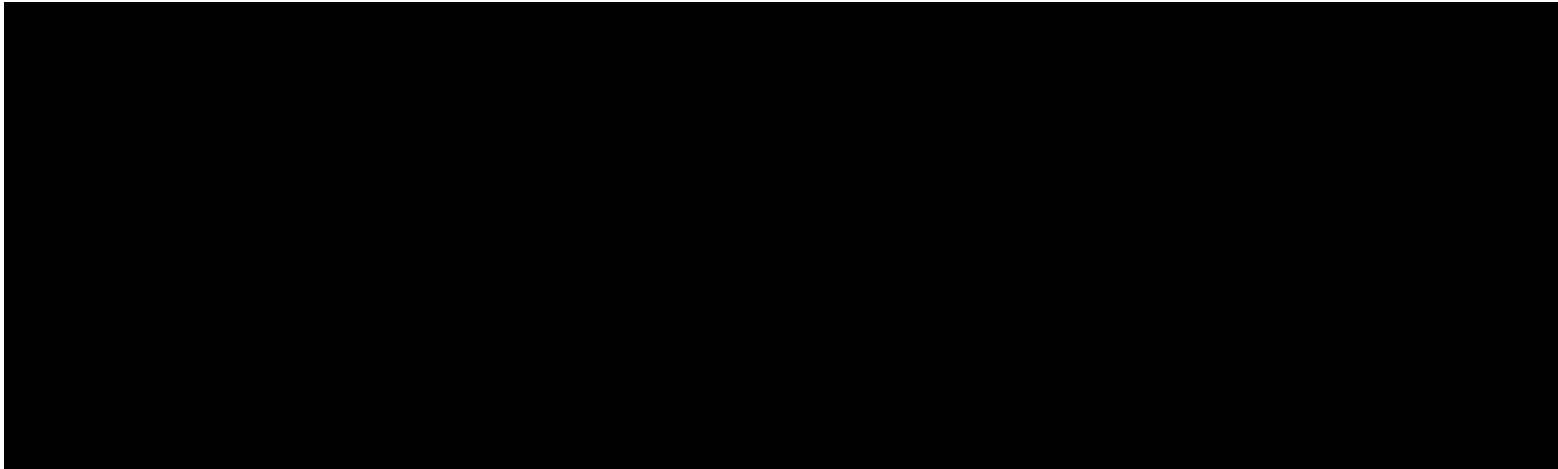
Date: 20-Oct-2020 9:29 Page: 3

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	10 BEF	11 BEF	12	12 BEF	13 BEF
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Severity Codes: X = Present; 1 = Slight; L = Left eye; B = Both; B = Back/Neck

Group 2 - [REDACTED]

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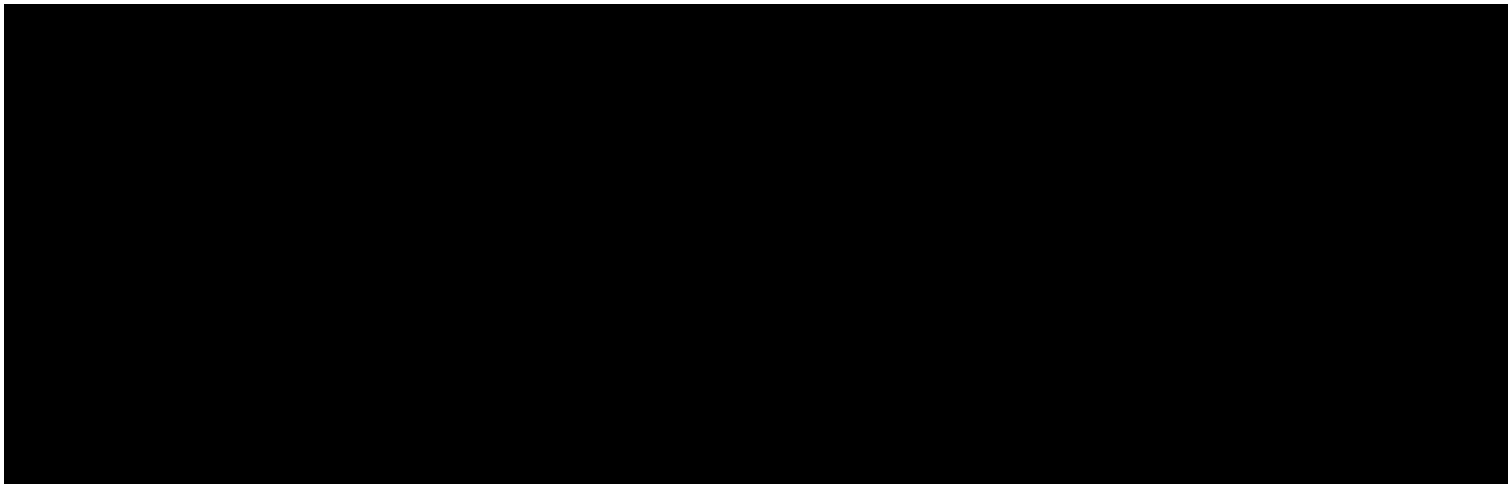
Date: 20-Oct-2020 9:29 Page: 4

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	13 Daily 1	14	15	15 Daily 1	16
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Severity Codes: X = Present; 1 = Slight; L = Left eye; B = Both; B = Back/Neck

Group 2 - [REDACTED]

CONFIDENTIAL

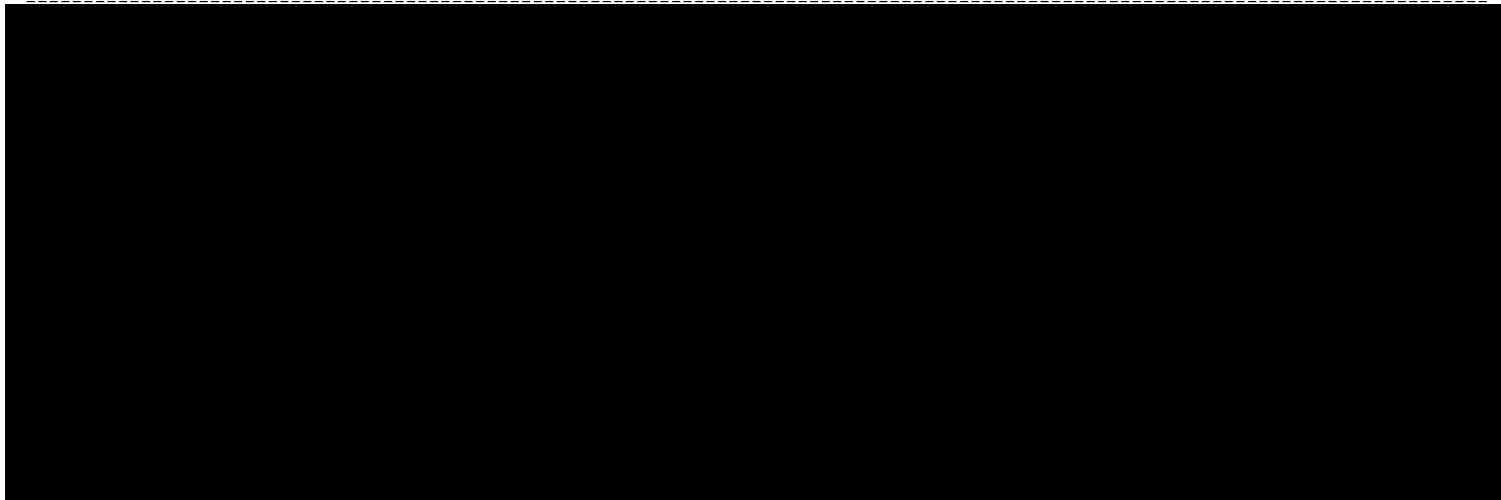
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Date: 20-Oct-2020 9:29 Page: 5

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	16 Daily 1	17	17 Daily 1	18	18 Daily 1
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Severity Codes: X = Present; 1 = Slight; L = Left eye; B = Both; B = Back/Neck

Group 2 - [REDACTED]

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Provantis

Date: 20-Oct-2020 9:29 Page: 6

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	19	21	21
							Daily 1
							

Severity Codes: X = Present; 1 = Slight; L = Left eye; B = Both; B = Back/Neck

Group 2 - 

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Provantis

Date: 20-Oct-2020 9:30 Page: 1

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	0	1	2	3	3 Daily 1
3	f	245	Localised hairloss	Left and right forelimbs	.	.	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	.	.
		247	Pup(s) - Pale	1 Pup	X	.	.	.	.
		248	Pup(s) - Haematoma(s)	1 Pup	H	.	.	.	.
		251	Pup(s) - Weak	1 Female	.	X	X	.	X
			Pup(s) - Weak	1 Pup	X	.	.	.	.
		253	Scab(s) .	Head	.	.	.	.	.
			Scab(s) .	Back	.	.	.	.	.
		256	Localised hairloss	Back	.	X	.	.	.
			Localised hairloss	Left and right forelimbs	.	X	.	.	.
			Swelling.	Injection site 2	.	X	.	.	.
			Pup(s) - Cold to touch	1 Pup	X	.	.	.	.
		257	Pup(s) - Haematoma(s)	1 Pup	H	H	.	.	.
		260	Localised hairloss	Thorax	.	X	.	.	.
			Localised hairloss	Left and right forelimbs	.	X	.	.	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	.	.
		261	Swelling.	Injection site 2	.	X	.	.	.
		262	Scab(s) .	Clipped area	.	.	.	.	.
		263	Pup(s) - Cold to touch	1 Pup	X	.	.	.	.
		264	Swelling.	Injection site 2	.	X	.	.	.
		265	Pup(s) - Weak	1 Male	.	.	.	X	.
			Pup(s) - Thin	1 Male	.	.	.	X	.
			Pup(s) - Pale	1 Male	.	.	.	X	.
			Pup(s) - Cold to touch	1 Male	.	.	.	X	.
			Pup(s) - Cyanotic	1 Male	.	.	.	X	.

Severity Codes: X = Present; H = Head

Group 3 - BNT162b2 30mcg

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Provantis

Date: 20-Oct-2020 9:30 Page: 2

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	4	4	7	10	11
						Daily 1	Daily 1	BEF	
3	f	245	Localised hairloss	Left and right forelimbs	.	.	.	X	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	.	.
		247	Pup(s) - Pale	1 Pup	.	.	.	.	.
		248	Pup(s) - Haematoma(s)	1 Pup	.	.	.	.	.
		251	Pup(s) - Weak	1 Female	.	X	.	.	.
			Pup(s) - Weak	1 Pup	.	.	.	.	.
		253	Scab(s) .	Head	.	.	.	.	.
			Scab(s) .	Back	.	.	.	.	.
		256	Localised hairloss	Back	.	X	X	X	.
			Localised hairloss	Left and right forelimbs	.	X	X	X	.
			Swelling.	Injection site 2	.	.	.	.	.
			Pup(s) - Cold to touch	1 Pup	.	.	.	.	.
		257	Pup(s) - Haematoma(s)	1 Pup	.	.	.	.	.
		260	Localised hairloss	Thorax	X	.	X	X	.
			Localised hairloss	Left and right forelimbs	X	.	X	X	.
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	X	X
		261	Swelling.	Injection site 2	.	.	.	.	.
		262	Scab(s) .	Clipped area	.	X	X	.	.
		263	Pup(s) - Cold to touch	1 Pup	.	.	.	.	.
		264	Swelling.	Injection site 2	.	.	.	.	.
		265	Pup(s) - Weak	1 Male	.	.	.	.	.
			Pup(s) - Thin	1 Male	.	.	.	.	.
			Pup(s) - Pale	1 Male	.	.	.	.	.
			Pup(s) - Cold to touch	1 Male	.	.	.	.	.
			Pup(s) - Cyanotic	1 Male

Severity Codes: X = Present; H = Head

Group 3 - BNT162b2 30mcg

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Provantis

Date: 20-Oct-2020 9:30 Page: 3

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	12	13	13 Daily 1	14	14 Daily 1
3	f	245	Localised hairloss	Left and right forelimbs	.	.	.	.	X
			Pup(s) -Incomplete hair growth	All Pups	X	X	.	.	X
		247	Pup(s) - Pale	1 Pup	.	.	.	.	.
		248	Pup(s) - Haematoma(s)	1 Pup	.	.	.	.	.
		251	Pup(s) - Weak	1 Female	.	.	.	.	.
			Pup(s) - Weak	1 Pup	.	.	.	.	.
		253	Scab(s) .	Head	.	.	.	X	.
			Scab(s) .	Back	.	.	.	X	.
		256	Localised hairloss	Back	.	.	.	.	X
			Localised hairloss	Left and right forelimbs	.	.	.	.	X
			Swelling.	Injection site 2	.	.	.	.	.
			Pup(s) - Cold to touch	1 Pup	.	.	.	.	.
		257	Pup(s) - Haematoma(s)	1 Pup	.	.	.	.	.
		260	Localised hairloss	Thorax	.	.	.	X	.
			Localised hairloss	Left and right forelimbs	.	.	.	X	.
			Pup(s) -Incomplete hair growth	All Pups	X	.	X	X	.
		261	Swelling.	Injection site 2	.	.	.	.	.
		262	Scab(s) .	Clipped area	.	.	.	.	.
		263	Pup(s) - Cold to touch	1 Pup	.	.	.	.	.
		264	Swelling.	Injection site 2	.	.	.	.	.
		265	Pup(s) - Weak	1 Male	.	.	.	.	.
			Pup(s) - Thin	1 Male	.	.	.	.	.
			Pup(s) - Pale	1 Male	.	.	.	.	.
			Pup(s) - Cold to touch	1 Male	.	.	.	.	.
			Pup(s) - Cyanotic	1 Male

Severity Codes: X = Present; H = Head

Group 3 - BNT162b2 30mcg

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Date: 20-Oct-2020 9:30 Page: 4

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	15	15	16	17	17
						Daily 1	Daily 1		Daily 1
3	f	245	Localised hairloss	Left and right forelimbs	.	.	.	.	X
			Pup(s) -Incomplete hair growth	All Pups	X	.	X	.	X
		247	Pup(s) - Pale	1 Pup	.	.	.	.	.
		248	Pup(s) - Haematoma(s)	1 Pup	.	.	.	.	.
		251	Pup(s) - Weak	1 Female	.	.	.	.	.
			Pup(s) - Weak	1 Pup	.	.	.	.	.
		253	Scab(s) .	Head	.	.	.	X	.
			Scab(s) .	Back	.	.	.	X	.
		256	Localised hairloss	Back	.	.	.	.	X
			Localised hairloss	Left and right forelimbs	.	.	.	.	X
			Swelling.	Injection site 2	.	.	.	.	.
			Pup(s) - Cold to touch	1 Pup	.	.	.	.	.
		257	Pup(s) - Haematoma(s)	1 Pup	.	.	.	.	.
		260	Localised hairloss	Thorax	.	.	.	.	X
			Localised hairloss	Left and right forelimbs	.	.	.	.	X
			Pup(s) -Incomplete hair growth	All Pups	.	X	X	.	X
		261	Swelling.	Injection site 2	.	.	.	.	.
		262	Scab(s) .	Clipped area	.	.	.	.	.
		263	Pup(s) - Cold to touch	1 Pup	.	.	.	.	.
		264	Swelling.	Injection site 2	.	.	.	.	.
		265	Pup(s) - Weak	1 Male	.	.	.	.	.
			Pup(s) - Thin	1 Male	.	.	.	.	.
			Pup(s) - Pale	1 Male	.	.	.	.	.
			Pup(s) - Cold to touch	1 Male	.	.	.	.	.
			Pup(s) - Cyanotic	1 Male

Severity Codes: X = Present; H = Head

Group 3 - BNT162b2 30mcg

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Date: 20-Oct-2020 9:30 Page: 5

Individual Lactation Clinical Observations

20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	18	19	20 Daily 1	21	21 Daily 1
3	f	245	Localised hairloss	Left and right forelimbs	.	.	.	.	X
			Pup(s) -Incomplete hair growth	All Pups	.	.	.	.	.
		247	Pup(s) - Pale	1 Pup	.	.	.	.	.
		248	Pup(s) - Haematoma(s)	1 Pup	.	.	.	.	.
		251	Pup(s) - Weak	1 Female	.	.	.	.	.
			Pup(s) - Weak	1 Pup	.	.	.	.	.
		253	Scab(s) .	Head	.	.	.	X	.
			Scab(s) .	Back	.	.	.	X	.
		256	Localised hairloss	Back	.	.	.	.	X
			Localised hairloss	Left and right forelimbs	.	.	.	.	X
			Swelling.	Injection site 2	.	.	.	.	.
			Pup(s) - Cold to touch	1 Pup	.	.	.	.	.
		257	Pup(s) - Haematoma(s)	1 Pup	.	.	.	.	.
		260	Localised hairloss	Thorax	.	.	.	.	X
			Localised hairloss	Left and right forelimbs	.	.	.	.	X
			Pup(s) -Incomplete hair growth	All Pups	X	X	X	.	X
		261	Swelling.	Injection site 2	.	.	.	.	.
		262	Scab(s) .	Clipped area	.	.	.	.	.
		263	Pup(s) - Cold to touch	1 Pup	.	.	.	.	.
		264	Swelling.	Injection site 2	.	.	.	.	.
		265	Pup(s) - Weak	1 Male	.	.	.	.	.
			Pup(s) - Thin	1 Male	.	.	.	.	.
			Pup(s) - Pale	1 Male	.	.	.	.	.
			Pup(s) - Cold to touch	1 Male	.	.	.	.	.
			Pup(s) - Cyanotic	1 Male

Severity Codes: X = Present; H = Head

Group 3 - BNT162b2 30mcg

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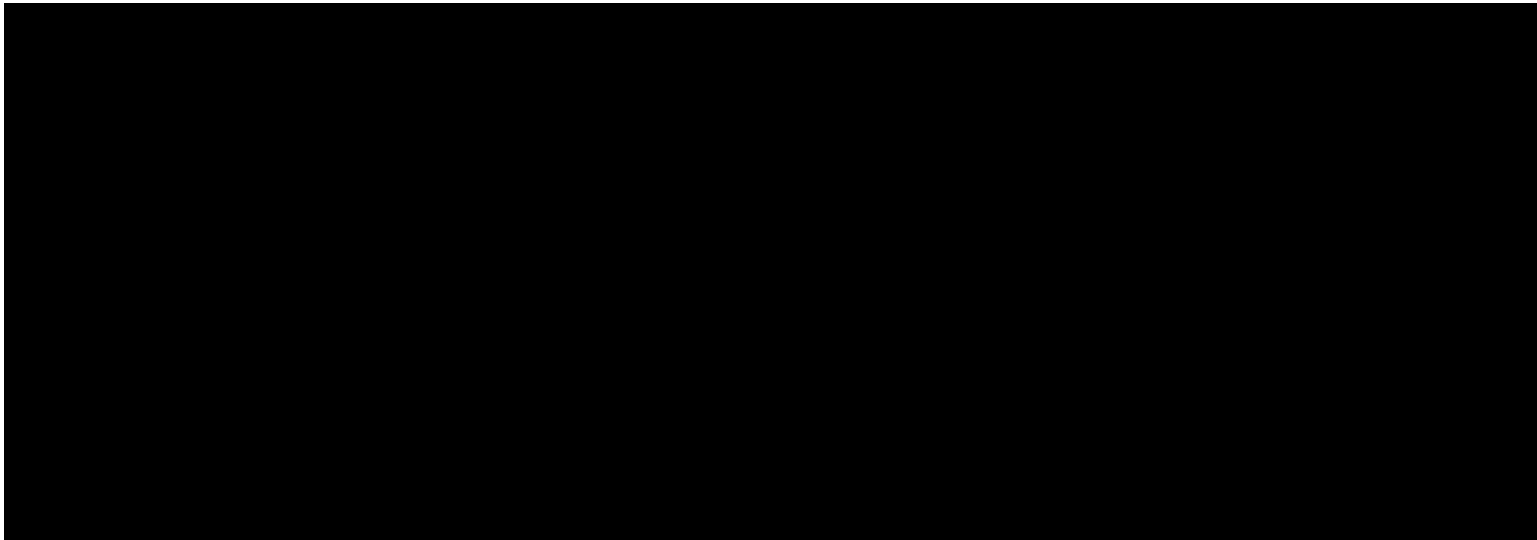
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Date: 20-Oct-2020 9:31 Page: 1

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	0	0	0	1	1	1
						Veto	Daily		NS1	Veto
						1	1			1



Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - [REDACTED]

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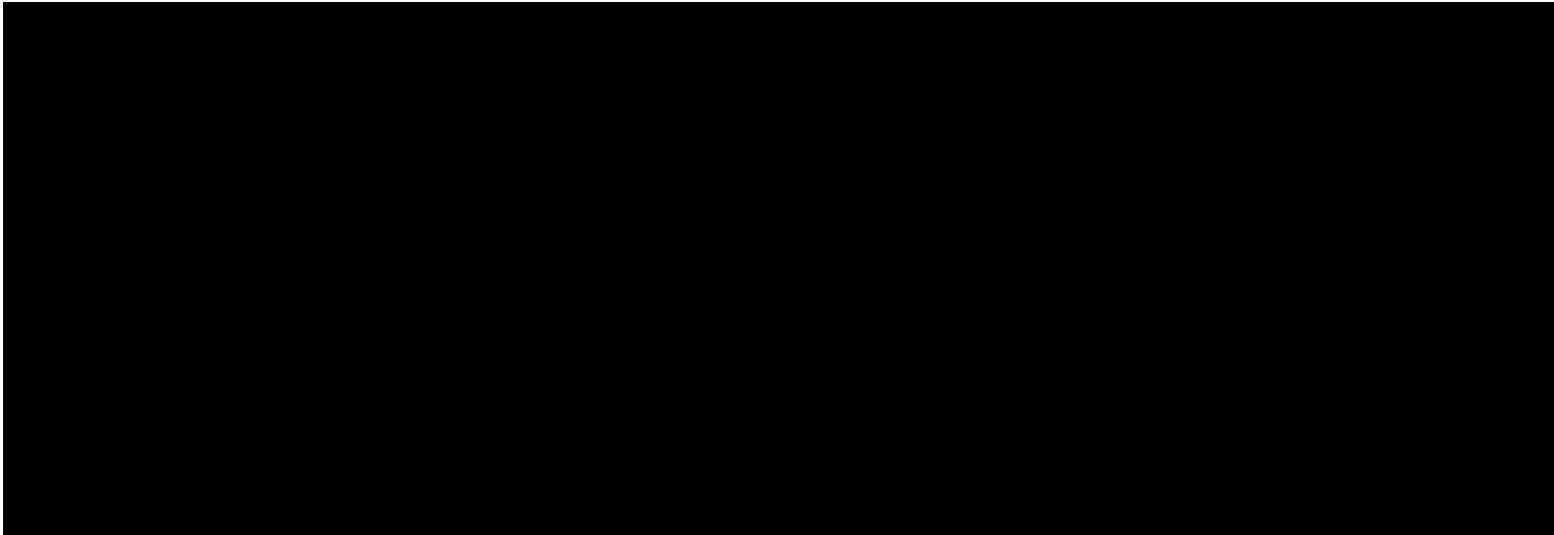
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Date: 20-Oct-2020 9:31 Page: 2

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	1 Daily 1	2	2 Daily 1	3	3 Daily 1	4 Daily 1
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Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - [REDACTED]

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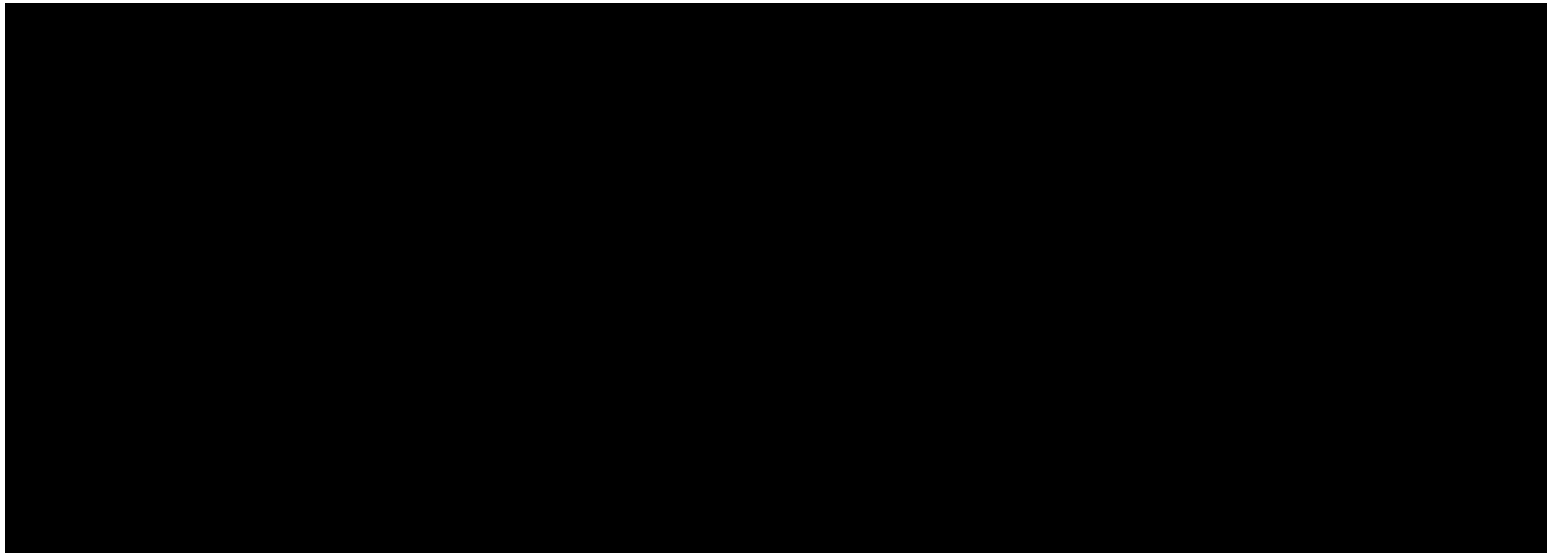
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Date: 20-Oct-2020 9:31 Page: 3

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	7 Daily 1	10 BEF	11 BEF	12	13	14 Daily 1
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Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - [REDACTED]

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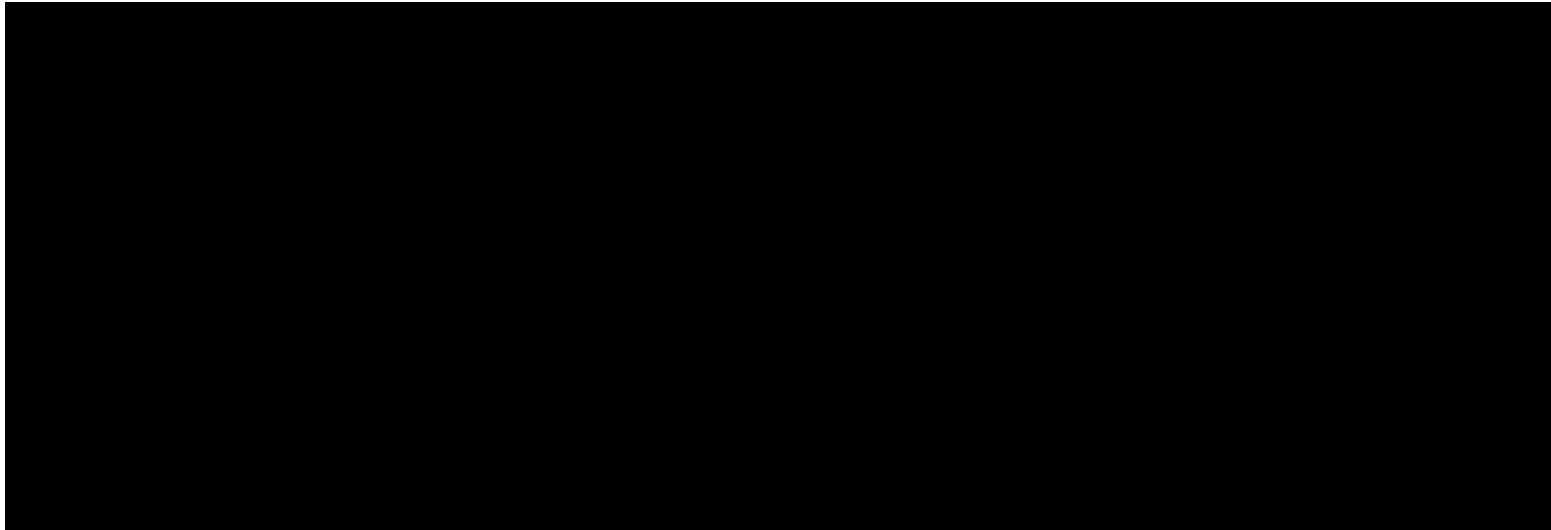
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Date: 20-Oct-2020 9:31 Page: 4

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	15	16	17	18	19	20
						Daily 1	Daily 1	Daily 1		



Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - [REDACTED]

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Date: 20-Oct-2020 9:31 Page: 5

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	21
					

Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - 

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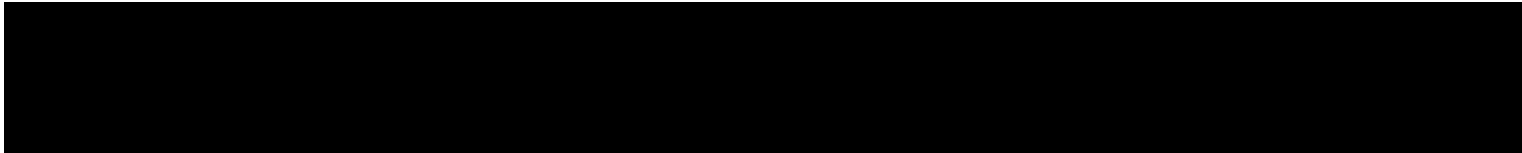
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Date: 20-Oct-2020 9:31 Page: 6

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	0	0	0	1	1	1
						Veto	Daily		NS1	Veto
						1	1			1



Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - [REDACTED]

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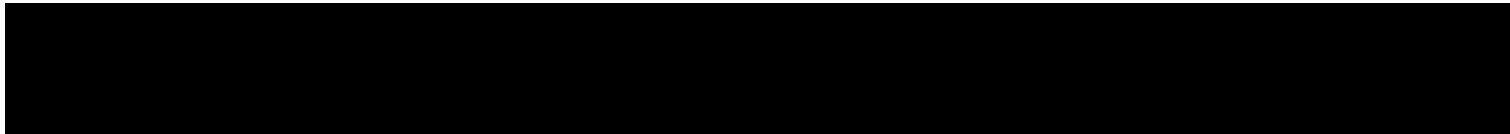
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Date: 20-Oct-2020 9:31 Page: 7

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	1 Daily 1	2	2 Daily 1	3	3 Daily 1	4 Daily 1
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Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - [REDACTED]

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Date: 20-Oct-2020 9:31 Page: 8

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	7 Daily 1	10 BEF	11 BEF	12	13	14 Daily 1

Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - [REDACTED]


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Date: 20-Oct-2020 9:31 Page: 9

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	15	16	17	18	19	20
						Daily 1	Daily 1	Daily 1		
										

Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - 


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Date: 20-Oct-2020 9:31 Page: 10

Individual Lactation Clinical Observations
20256434

Day numbers relative to Litter Date

Group	Sex	Animal	Clinical Sign	Site	21
					

Severity Codes: X = Present; E = Blue; 1 = Slight; 3 = Marked; B = Both;
T = Thorax/Abdomen;

Group 4 - 

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Date: 13-Nov-2020 10:04 Page: 1

Individual Clinical Observations of Excluded Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-26 Daily 1	-25 Daily 1	-24 Daily 1	-23 Daily 1	2	9	9 Daily 1

Severity Codes: X = Present

Group 2 - [REDACTED] Group 4 - [REDACTED]

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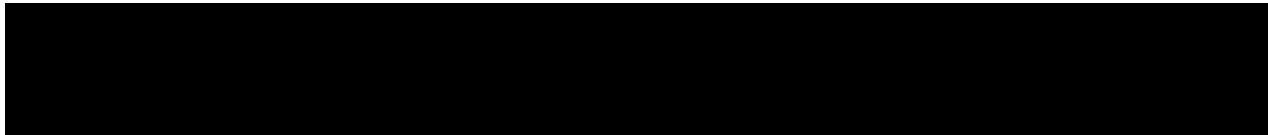
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Date: 13-Nov-2020 10:04 Page: 2

Individual Clinical Observations of Excluded Females
20256434

Day numbers relative to Start Date

Group Sex	Animal	Clinical Sign	Site	10 Daily 1	36 Daily 1	37 Daily 1	43
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Severity Codes: X = Present

Group 2 - [REDACTED] Group 4 - [REDACTED]

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Date: 13-Nov-2020 10:04 Page: 3

Individual Clinical Observations of Excluded Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	-26 Daily 1	-25 Daily 1	-24 Daily 1	-23 Daily 1	2	9	9 Daily 1
-------	-----	--------	---------------	------	----------------	----------------	----------------	----------------	---	---	--------------



Severity Codes: X = Present

Group 2 - [REDACTED] Group 4 - [REDACTED]

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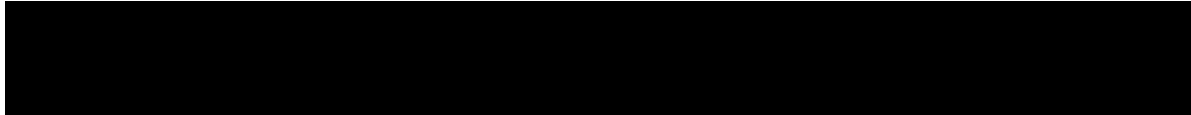
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Date: 13-Nov-2020 10:04 Page: 4

Individual Clinical Observations of Excluded Females
20256434

Day numbers relative to Start Date

Group	Sex	Animal	Clinical Sign	Site	10 Daily 1	36 Daily 1	37 Daily 1	43
-------	-----	--------	---------------	------	---------------	---------------	---------------	----



Severity Codes: X = Present

Group 2 - [REDACTED] Group 4 - [REDACTED]

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19-Oct-2020 16:13:58

Page: 1

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	-26	-25	-21	-20	-14	-7	1
201	151.7	-	156.3	-	166.5	178.6	180.7
202	175.8	-	192.8	-	214.6	215.4	223.9
203	149.2	-	163.6	-	179.2	191.8	195.6
204	146.1	-	161.9	-	175.5	185.7	194.0
205	137.1	-	149.4	-	160.9	173.6	188.5
206	145.5	-	163.7	-	182.2	206.9	220.7
207	149.8	-	162.3	-	173.8	184.7	191.9
208	162.8	-	173.9	-	185.5	190.9	199.2
209	156.5	-	165.1	-	178.6	186.8	189.8
210	168.4	-	182.3	-	195.5	213.7	226.2
211	157.7	-	171.0	-	179.0	196.8	208.8
212	163.6	-	170.1	-	185.9	201.2	203.7
213	167.5	-	179.3	-	194.4	200.4	214.0
214	153.7	-	166.2	-	181.0	194.9	206.1
215	179.3	-	195.5	-	209.2	231.5	247.5
216	172.6	-	186.1	-	199.9	211.2	222.5
217	162.8	-	175.6	-	189.8	201.2	216.7
218	153.0	-	170.6	-	184.5	198.2	213.3

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19-Oct-2020 16:13:58

Page: 2

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg							Body Weight Change (g)
	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	
	4	8	11	15	18	22	
							-26--21
201	190.2	190.2	193.9	208.3	213.3	206.5	4.6
202	229.8	237.1	238.7	246.6	240.6	245.9	17.0
203	209.1	215.4	213.0	220.8	214.2	218.6	14.4
204	203.6	209.8	204.1	207.8	217.5	221.6	15.8
205	192.7	194.8	198.7	213.2	225.8	232.1	12.3
206	231.0	244.1	245.1	241.3	243.7	247.8	18.2
207	191.6	196.9	194.3	209.9	216.9	222.2	12.5
208	203.9	211.1	210.8	231.0	238.5	246.3	11.1
209	195.5	203.3	207.0	225.1	226.7	217.2	8.6
210	226.4	234.3	233.5	235.5	246.1	250.4	13.9
211	206.5	213.5	215.9	223.2	227.4	234.4	13.3
212	200.2	205.6	216.3	223.6	231.8	243.9	6.5
213	217.8	223.6	223.8	230.8	226.6	229.0	11.8
214	215.3	224.4	221.4	216.5 ¹	221.0	225.3	12.5
215	243.0	246.6	244.0	248.8	254.9	266.0	16.2
216	229.3	236.7	242.7	242.7	244.8	253.0	13.5
217	223.8	228.1	229.7	235.9	235.4	237.4	12.8
218	213.2	220.0	226.5	243.7	252.4	260.6	17.6

¹ [RC:Verified value]

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19-Oct-2020 16:13:58

Page: 3

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Day(s) Relative to Start Date						
	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	-25--20	-20--14	-21--14	-14--7	-7-1	1-4	4-8
201	.	.	10.2	12.1	2.1	9.5	0.0
202	.	.	21.8	0.8	8.5	5.9	7.3
203	.	.	15.6	12.6	3.8	13.5	6.3
204	.	.	13.6	10.2	8.3	9.6	6.2
205	.	.	11.5	12.7	14.9	4.2	2.1
206	.	.	18.5	24.7	13.8	10.3	13.1
207	.	.	11.5	10.9	7.2	-0.3	5.3
208	.	.	11.6	5.4	8.3	4.7	7.2
209	.	.	13.5	8.2	3.0	5.7	7.8
210	.	.	13.2	18.2	12.5	0.2	7.9
211	.	.	8.0	17.8	12.0	-2.3	7.0
212	.	.	15.8	15.3	2.5	-3.5	5.4
213	.	.	15.1	6.0	13.6	3.8	5.8
214	.	.	14.8	13.9	11.2	9.2	9.1
215	.	.	13.7	22.3	16.0	-4.5	3.6
216	.	.	13.8	11.3	11.3	6.8	7.4
217	.	.	14.2	11.4	15.5	7.1	4.3
218	.	.	13.9	13.7	15.1	-0.1	6.8

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19-Oct-2020 16:13:58

Page: 4

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Body Weight Change (g)				
	8-11	11-15	15-18	18-22	1-22
	201	3.7	14.4	5.0	-6.8	25.8
202	1.6	7.9	-6.0	5.3	22.0
203	-2.4	7.8	-6.6	4.4	23.0
204	-5.7	3.7	9.7	4.1	27.6
205	3.9	14.5	12.6	6.3	43.6
206	1.0	-3.8	2.4	4.1	27.1
207	-2.6	15.6	7.0	5.3	30.3
208	-0.3	20.2	7.5	7.8	47.1
209	3.7	18.1	1.6	-9.5	27.4
210	-0.8	2.0	10.6	4.3	24.2
211	2.4	7.3	4.2	7.0	25.6
212	10.7	7.3	8.2	12.1	40.2
213	0.2	7.0	-4.2	2.4	15.0
214	-3.0	-4.9	4.5	4.3	19.2
215	-2.6	4.8	6.1	11.1	18.5
216	6.0	0.0	2.1	8.2	30.5
217	1.6	6.2	-0.5	2.0	20.7
218	6.5	17.2	8.7	8.2	47.3

CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 5

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	-26	-25	-21	-20	-14	-7	1
	219	163.4	-	170.4	-	190.6	208.4	218.7
220	185.3	-	190.1	-	213.8 ¹	233.9	240.3
221	186.1	-	203.6	-	219.7	233.4	251.6
222	153.8	-	173.9	-	195.4	214.9	217.5
1	-	159.1	-	168.7	176.5	181.8	195.2
2	-	149.8	-	160.1	175.0	184.6	194.8
3	-	178.3	-	186.8	195.1	200.8	212.7
4	-	156.4	-	175.8	192.4	206.6	214.2
5	-	157.8	-	168.2	173.6	188.5	198.5
6	-	157.5	-	172.4	189.1	201.3	230.8
7	-	186.8	-	204.9	216.3	234.5	255.3
8	-	144.6	-	162.3	171.5	185.0	212.8
9	-	170.1	-	182.5	193.1	194.9	213.6
10	-	145.3	-	161.7	174.2	191.8	217.3
11	-	181.8	-	186.7	203.5	210.7	225.3
12	-	157.1	-	174.6	189.9	202.0	221.8
13	-	153.3	-	167.3	179.0	198.1	217.2
14	-	157.2	-	162.1	182.8	194.6	208.5

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19-Oct-2020 16:13:58

Page: 6

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight Change (g)
	4	8	11	15	18	22	-26--21
219	216.5	220.9	235.3	235.5	240.6	245.9	7.0
220	236.7	243.7	254.9	265.6	270.7	281.9	4.8
221	256.9	261.5	267.3	273.7	269.6	276.7	17.5
222	231.6	234.2	240.8	246.6	244.9	254.9	20.1
1	200.2	201.8	207.4	210.2	210.4	209.3	.
2	198.8	205.6	210.7	213.3	218.0	220.6	.
3	222.9	224.4	226.8	229.9	223.8 ! ¹	229.1	.
4	211.5	219.7	230.4	231.3	230.6	234.9	.
5	200.5	208.0	202.2 ! ¹	201.5	208.5	212.4	.
6	238.9	255.7	247.6 ! ¹	246.3	242.4 ! ¹	248.4	.
7	262.6	265.9	267.6	272.0	272.7	279.0	.
8	221.1	235.6	229.9 ! ¹	229.8	228.1 ! ¹	235.1	.
9	221.5	226.7	232.1	237.9	232.7	239.0	.
10	226.7	223.6 ! ¹	226.2	230.4	235.9	241.5	.
11	227.5	230.0	232.9	235.3	232.6	230.8	.
12	230.8	234.5	236.3	245.3	244.7	246.1	.
13	223.8	227.2	224.0 ! ¹	230.7	227.8	230.6	.
14	216.3	228.1	221.0 ! ¹	217.2 ! ¹	220.8	222.4	.

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Provantis

19-Oct-2020 16:13:58

Page: 7

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Body Weight Change (g)						
	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	-25--20	-20--14	-21--14	-14--7	-7-1	1-4	4-8
219	.	.	20.2	17.8	10.3	-2.2	4.4
220	.	.	23.7	20.1	6.4	-3.6	7.0
221	.	.	16.1	13.7	18.2	5.3	4.6
222	.	.	21.5	19.5	2.6	14.1	2.6
1	9.6	7.8	.	5.3	13.4	5.0	1.6
2	10.3	14.9	.	9.6	10.2	4.0	6.8
3	8.5	8.3	.	5.7	11.9	10.2	1.5
4	19.4	16.6	.	14.2	7.6	-2.7	8.2
5	10.4	5.4	.	14.9	10.0	2.0	7.5
6	14.9	16.7	.	12.2	29.5	8.1	16.8
7	18.1	11.4	.	18.2	20.8	7.3	3.3
8	17.7	9.2	.	13.5	27.8	8.3	14.5
9	12.4	10.6	.	1.8	18.7	7.9	5.2
10	16.4	12.5	.	17.6	25.5	9.4	-3.1
11	4.9	16.8	.	7.2	14.6	2.2	2.5
12	17.5	15.3	.	12.1	19.8	9.0	3.7
13	14.0	11.7	.	19.1	19.1	6.6	3.4
14	4.9	20.7	.	11.8	13.9	7.8	11.8

CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 8

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Body Weight Change (g)				
	8-11	11-15	15-18	18-22	1-22
	219	14.4	0.2	5.1	5.3	27.2
220	11.2	10.7	5.1	11.2	41.6
221	5.8	6.4	-4.1	7.1	25.1
222	6.6	5.8	-1.7	10.0	37.4
1	5.6	2.8	0.2	-1.1	14.1
2	5.1	2.6	4.7	2.6	25.8
3	2.4	3.1	-6.1	5.3	16.4
4	10.7	0.9	-0.7	4.3	20.7
5	-5.8	-0.7	7.0	3.9	13.9
6	-8.1	-1.3	-3.9	6.0	17.6
7	1.7	4.4	0.7	6.3	23.7
8	-5.7	-0.1	-1.7	7.0	22.3
9	5.4	5.8	-5.2	6.3	25.4
10	2.6	4.2	5.5	5.6	24.2
11	2.9	2.4	-2.7	-1.8	5.5
12	1.8	9.0	-0.6	1.4	24.3
13	-3.2	6.7	-2.9	2.8	13.4
14	-7.1	-3.8	3.6	1.6	13.9

CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 9

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Day(s) Relative to Start Date						
	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	-26	-25	-21	-20	-14	-7	1
15	-	154.8	-	173.0	175.8	194.2	224.1
16	-	158.2	-	178.9	187.6	211.2	221.1
17	-	169.1	-	190.5	208.4	221.7	233.5
18	-	195.1	-	204.2	226.3	236.7	254.5
19	-	151.8	-	158.1	173.1	182.4	209.7
20	-	164.4	-	181.6	199.7	205.6	226.3
21	-	167.5	-	176.4	194.2	203.5	228.8
22	-	191.5	-	207.3	213.1	227.7	238.5
Mean	160.99	163.98	173.80	177.46	189.68	202.55	216.49
SD	13.11	14.48	13.45	14.57	15.40	16.23	17.85
N	22	22	22	22	44	44	44

CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 10

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control Omcg	Day(s) Relative to Start Date						Body Weight Change (g)
	4	8	11	15	18	22	
15	229.9	229.9	229.5 ! ¹	227.4	236.3	242.6	.
16	221.7	230.1	229.3 ! ¹	231.9	243.7	243.5	.
17	232.6	240.2	249.6	249.2	258.2	258.6	.
18	264.5	275.9	264.8 ! ¹	263.1 ! ¹	256.7 ! ¹	262.5	.
19	216.5	231.7	219.7 ! ¹	215.8 ! ¹	218.2	222.2	.
20	231.7	236.2	240.9	249.1	240.9 ! ¹	248.9	.
21	235.7	250.6	241.0 ! ¹	239.5 ! ¹	232.9 ! ¹	231.9 ! ¹	.
22	238.7	242.1	249.2	254.4	256.3	258.7	.
Mean	221.34	227.71	229.02	233.81	235.81	240.13	12.82
SD	17.81	18.80	18.42	17.24	16.08	18.13	4.35
N	44	44	44	44	44	44	22

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Provantis

19-Oct-2020 16:13:58

Page: 11

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	-25--20	-20--14	-21--14	-14--7	-7-1	1-4	4-8
15	18.2	2.8	.	18.4	29.9	5.8	0.0
16	20.7	8.7	.	23.6	9.9	0.6	8.4
17	21.4	17.9	.	13.3	11.8	-0.9	7.6
18	9.1	22.1	.	10.4	17.8	10.0	11.4
19	6.3	15.0	.	9.3	27.3	6.8	15.2
20	17.2	18.1	.	5.9	20.7	5.4	4.5
21	8.9	17.8	.	9.3	25.3	6.9	14.9
22	15.8	5.8	.	14.6	10.8	0.2	3.4
Mean	13.48	13.00	15.08	12.88	13.94	4.85	6.37
SD	5.15	5.23	3.94	5.50	7.32	4.74	4.25
N	22	22	22	44	44	44	44

CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 12

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Body Weight Change (g)				
	8-11	11-15	15-18	18-22	1-22
	15	-0.4	-2.1	8.9	6.3	18.5
16	-0.8	2.6	11.8	-0.2	22.4
17	9.4	-0.4	9.0	0.4	25.1
18	-11.1	-1.7	-6.4	5.8	8.0
19	-12.0	-3.9	2.4	4.0	12.5
20	4.7	8.2	-8.2	8.0	22.6
21	-9.6	-1.5	-6.6	-1.0	3.1
22	7.1	5.2	1.9	2.4	20.2
Mean	1.31	4.79	2.00	4.32	23.64
SD	6.07	6.17	5.69	4.23	9.93
N	44	44	44	44	44

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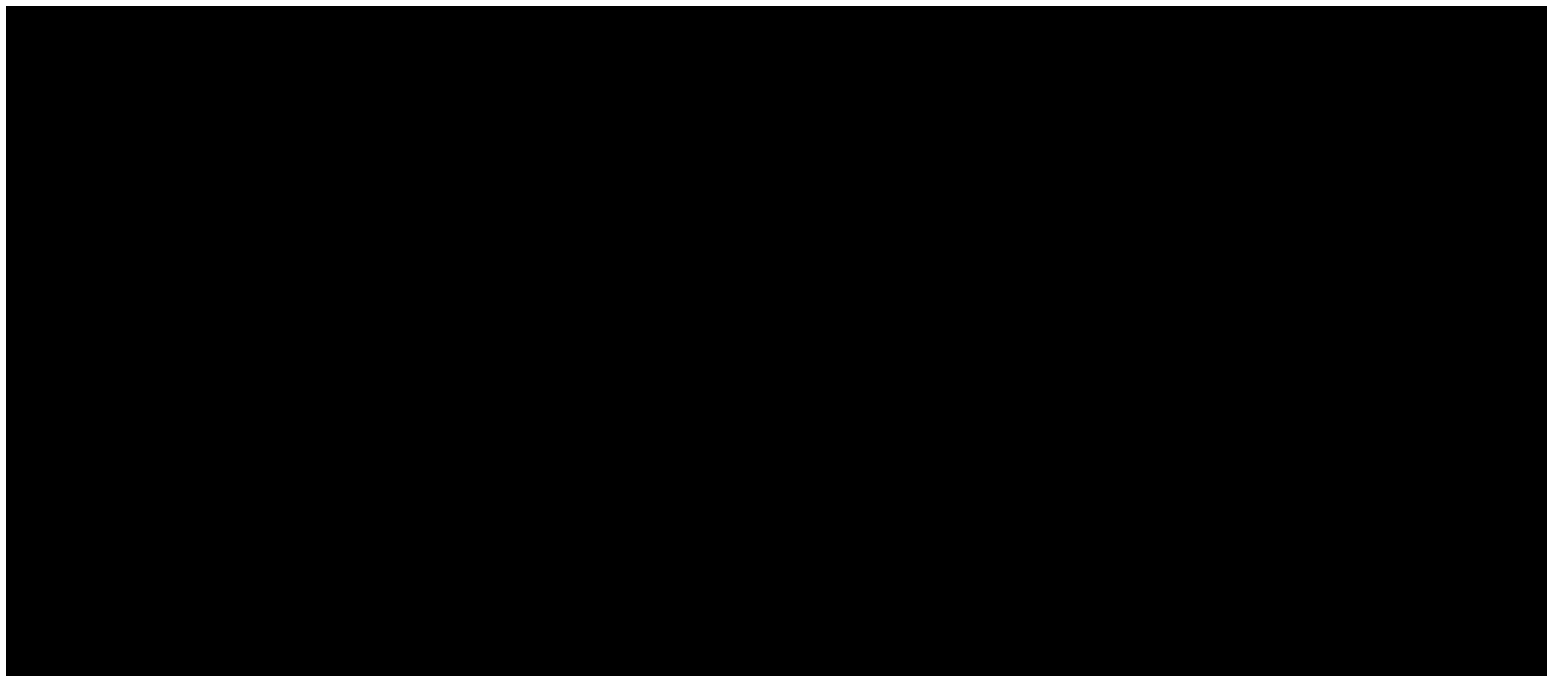
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Page: 13

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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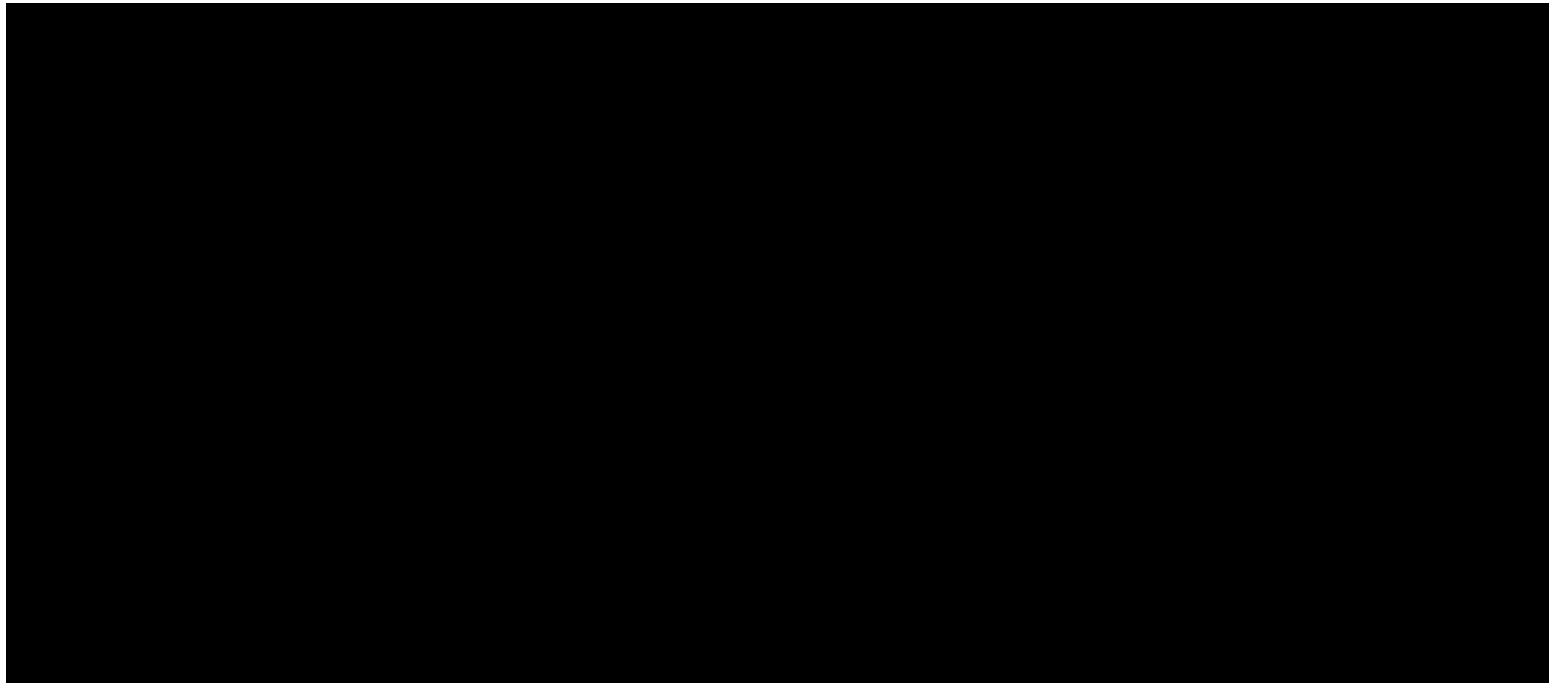
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Page: 14

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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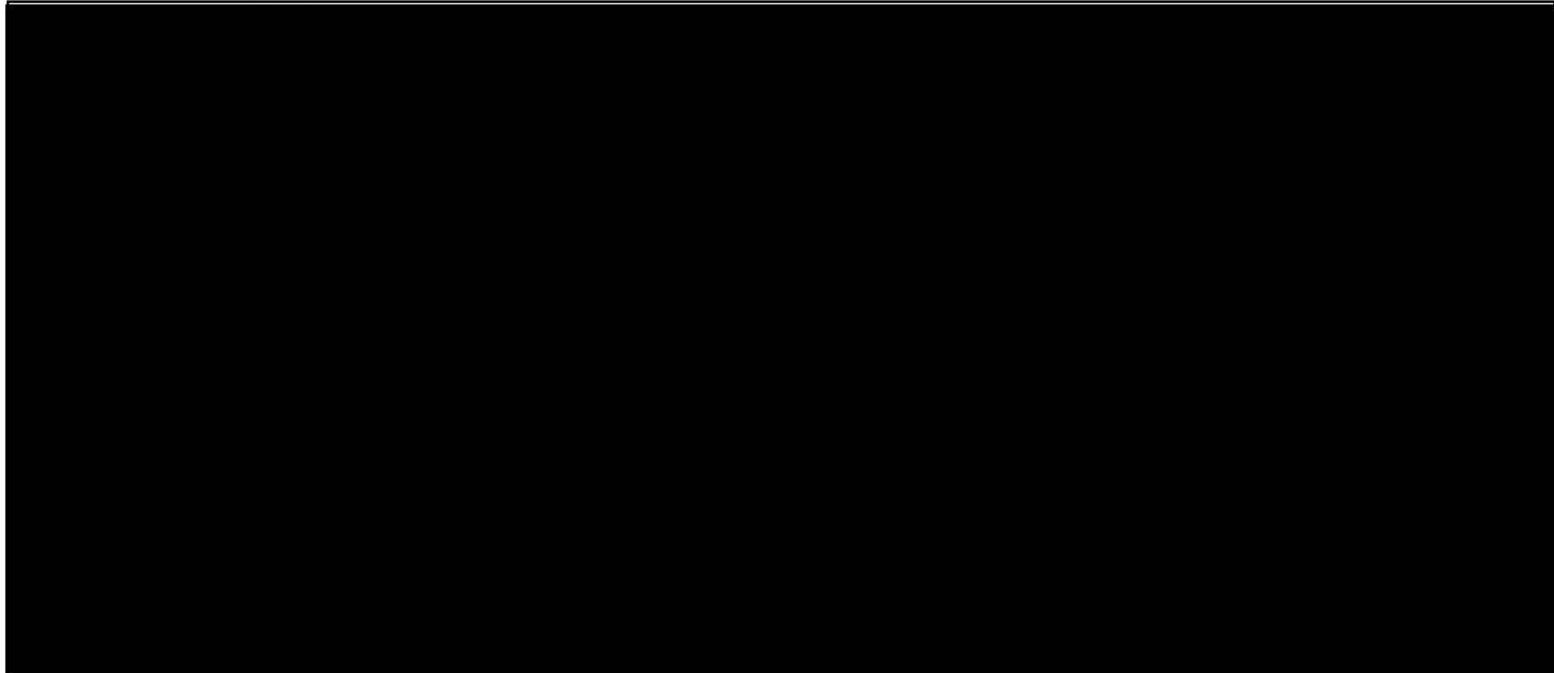
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Page: 15

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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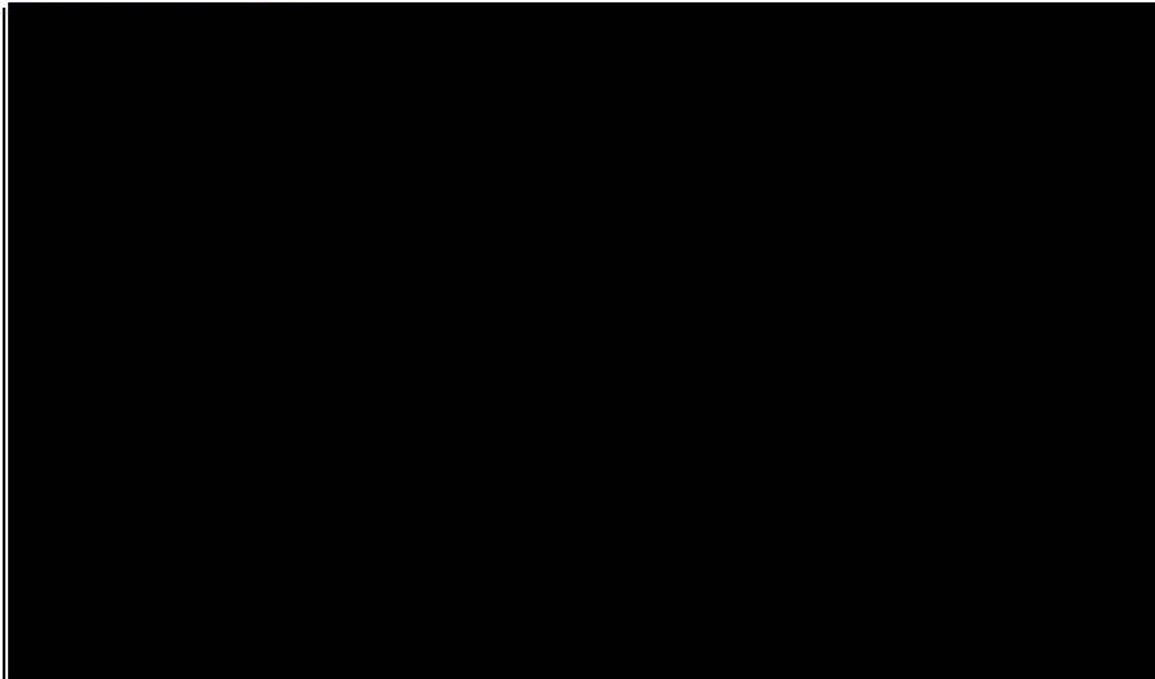
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Page: 16

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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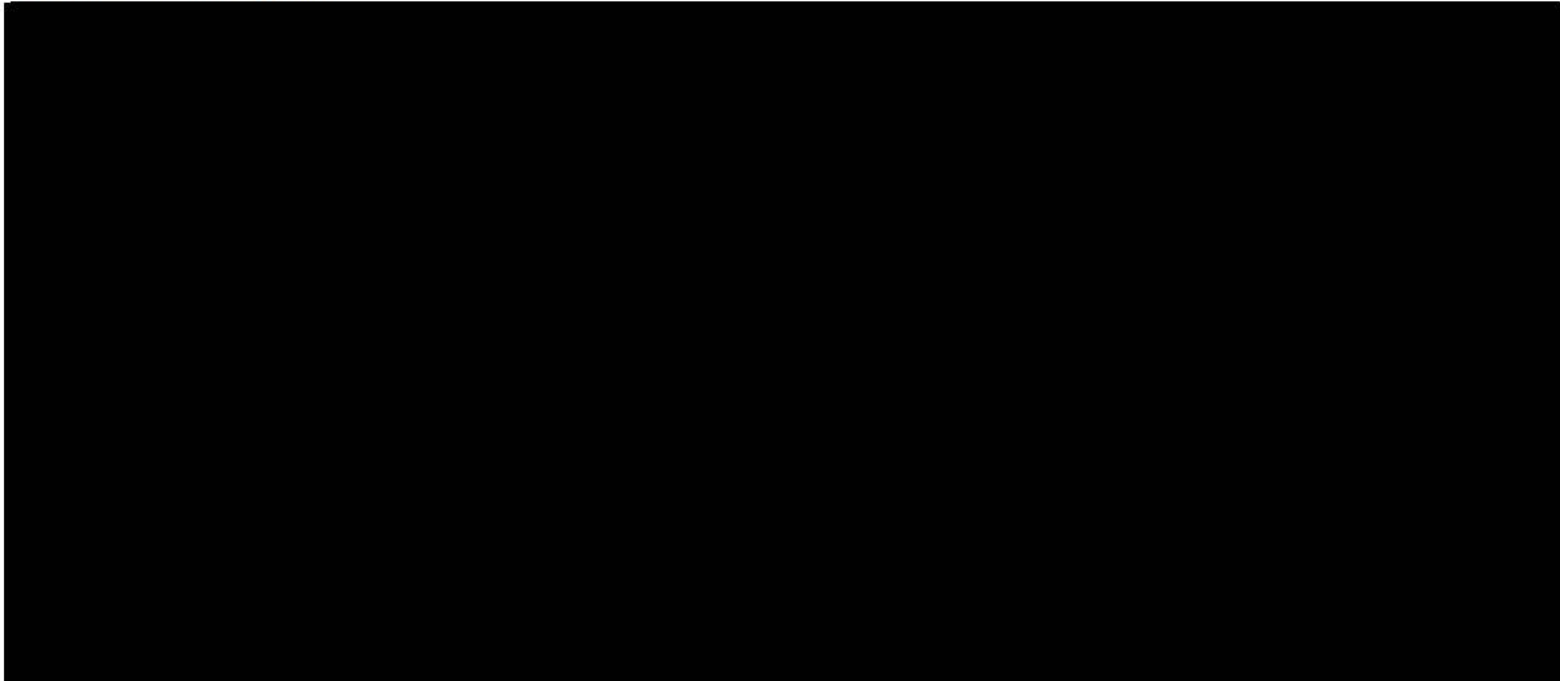
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Page: 17

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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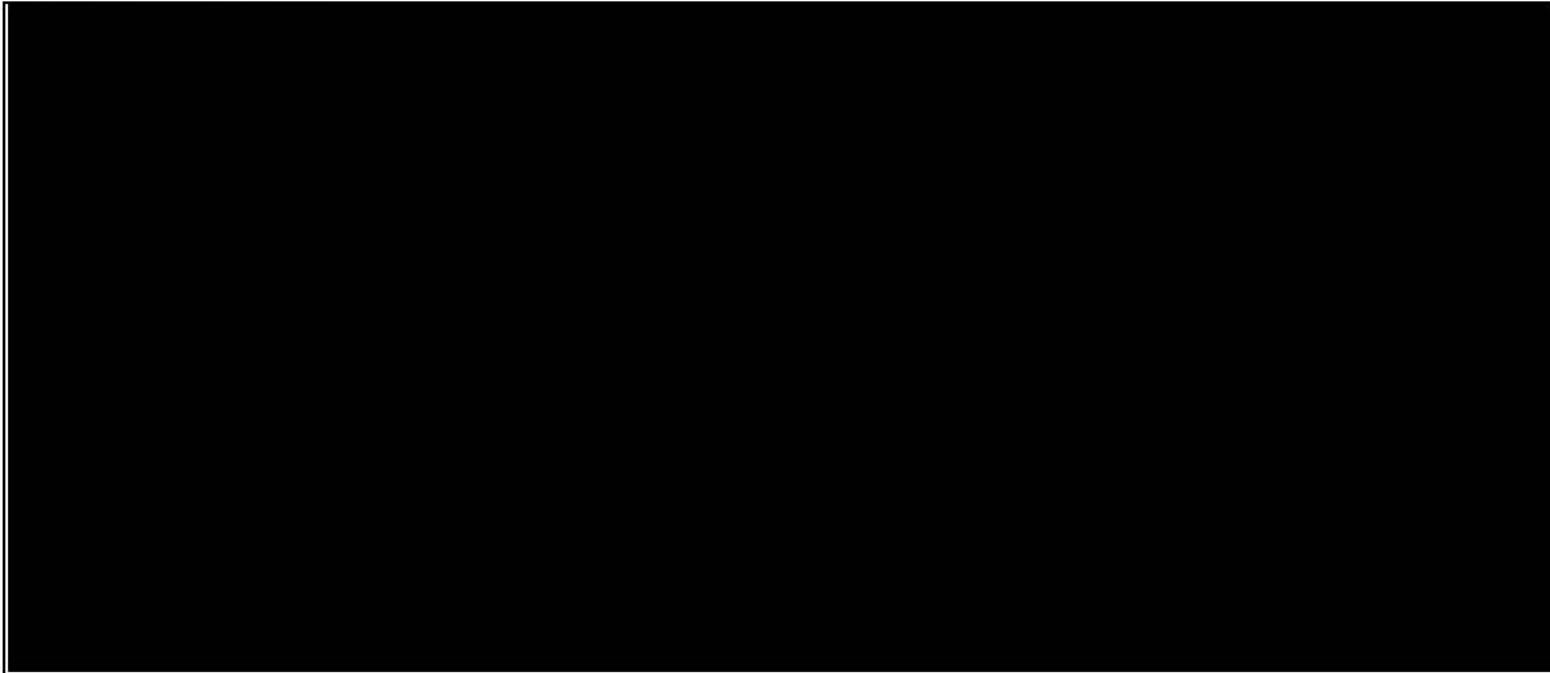
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Page: 18

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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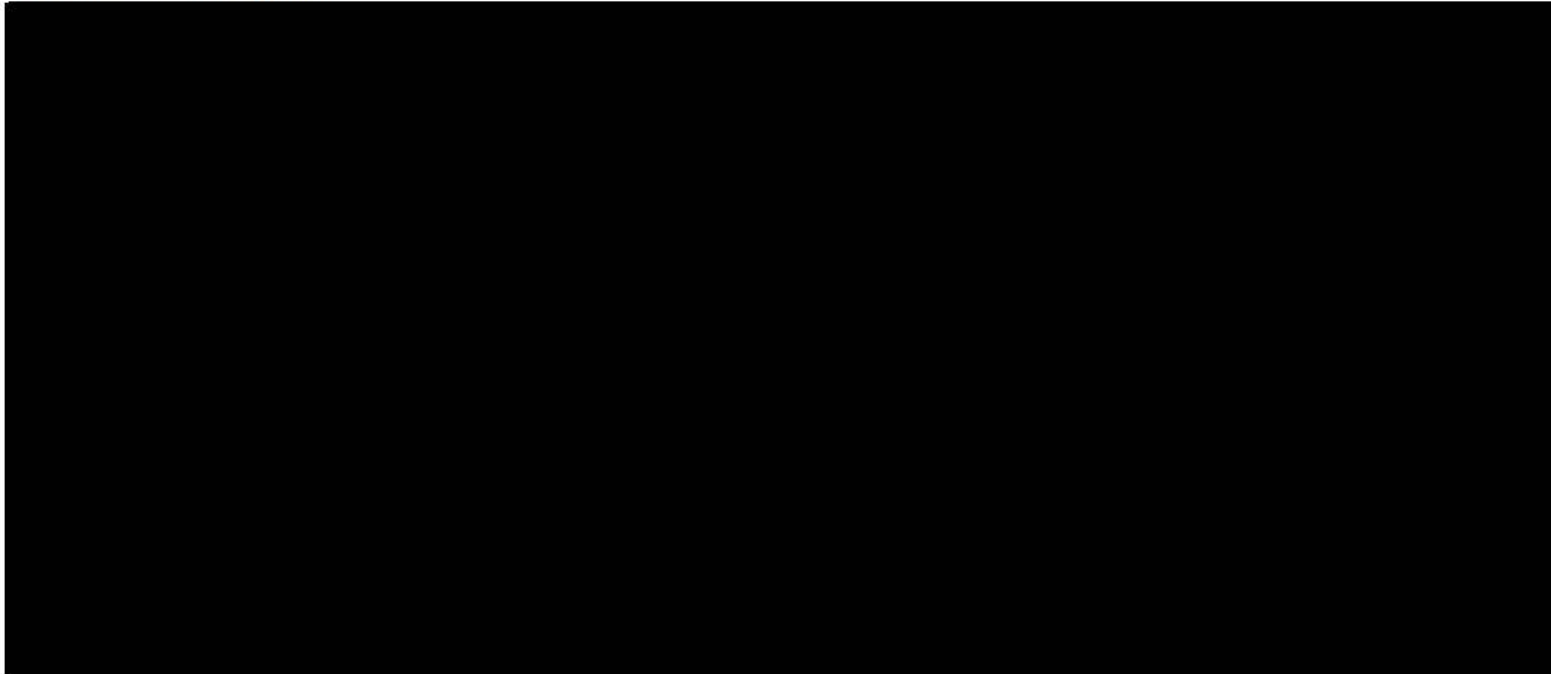
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Page: 19

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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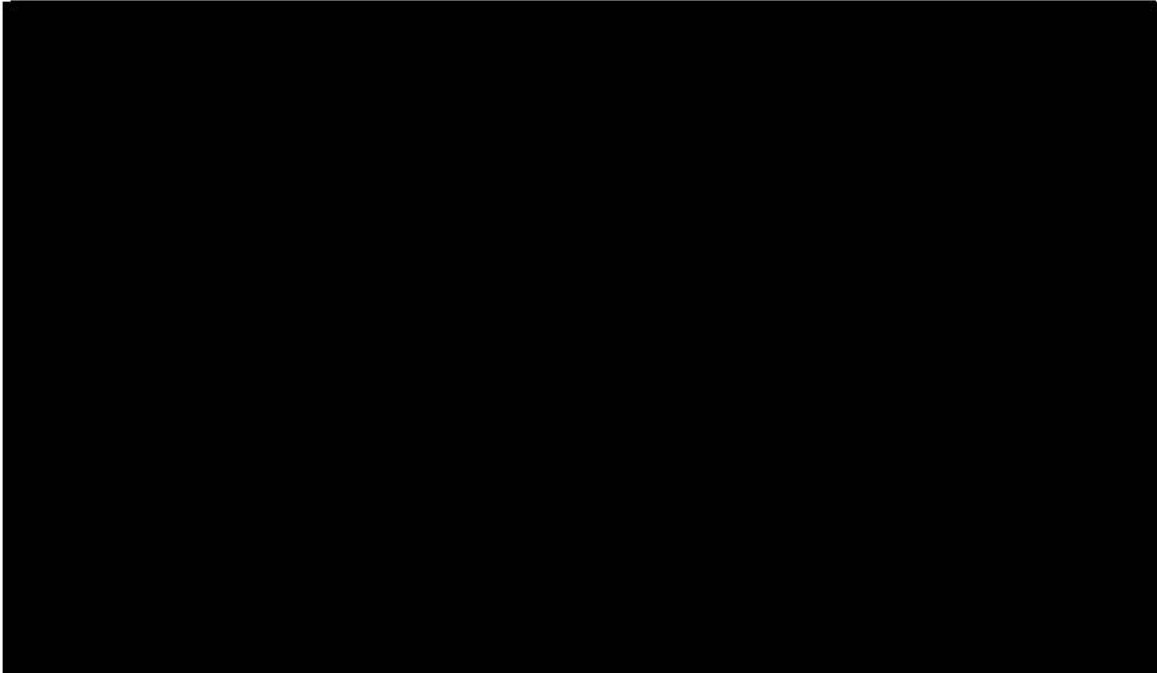
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Page: 20

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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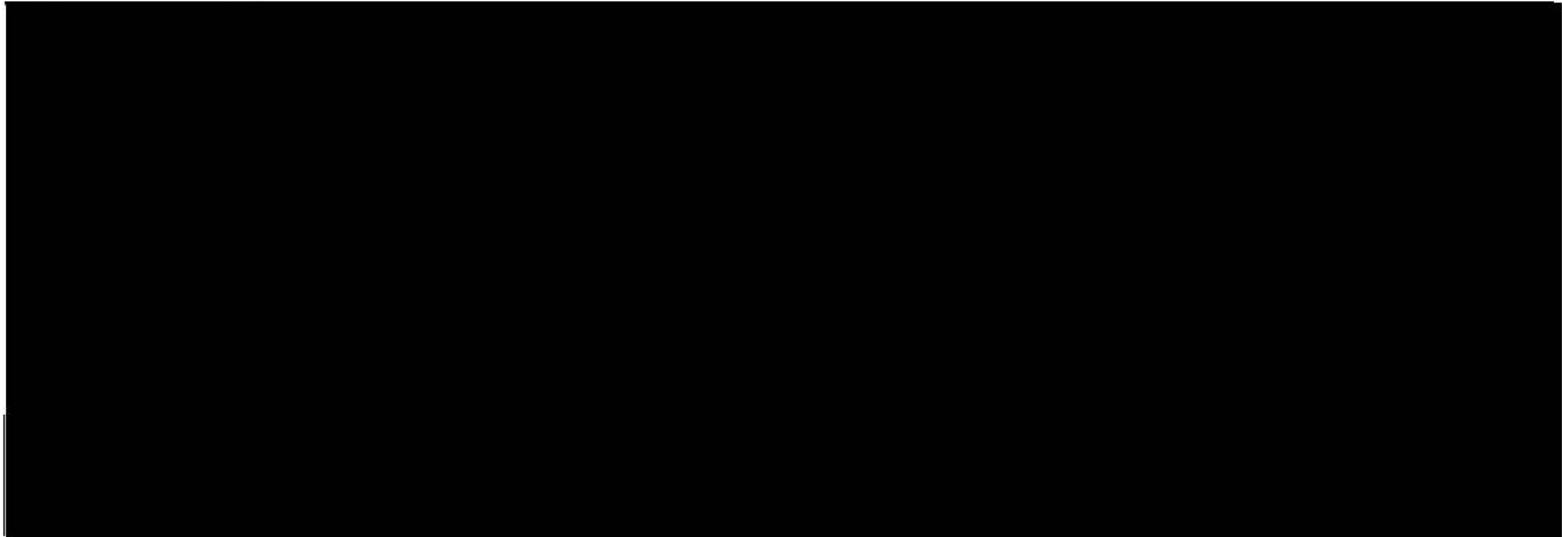
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Page: 21

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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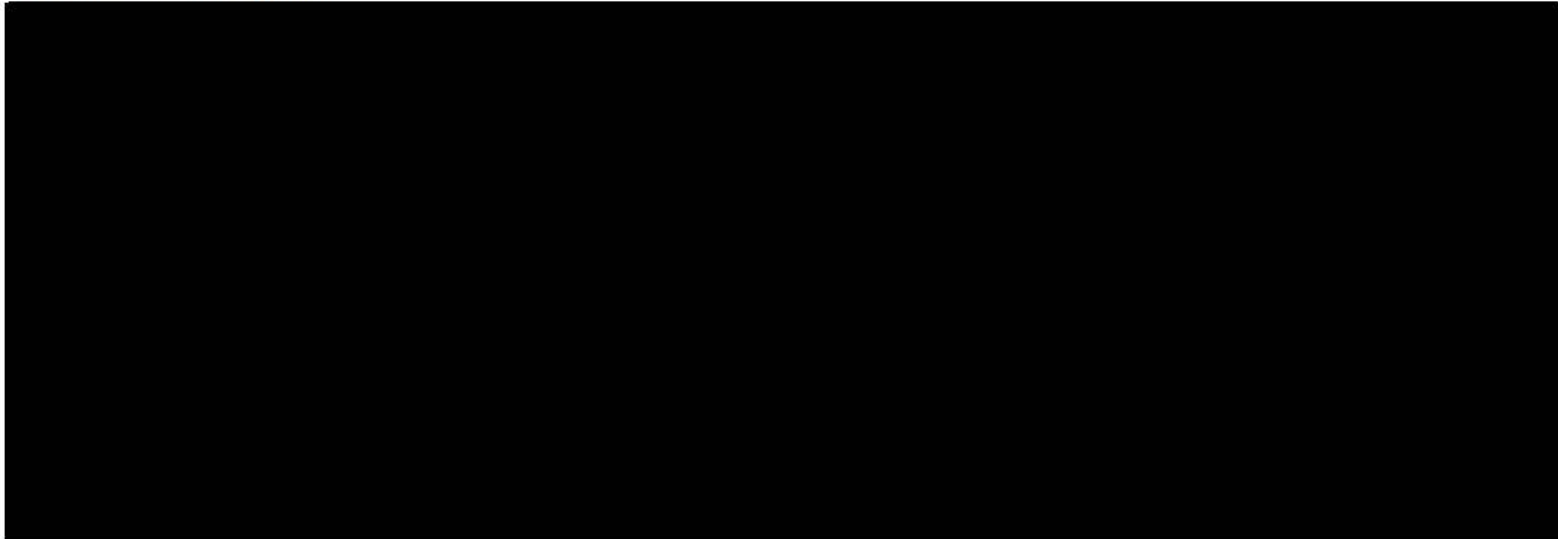
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Page: 22

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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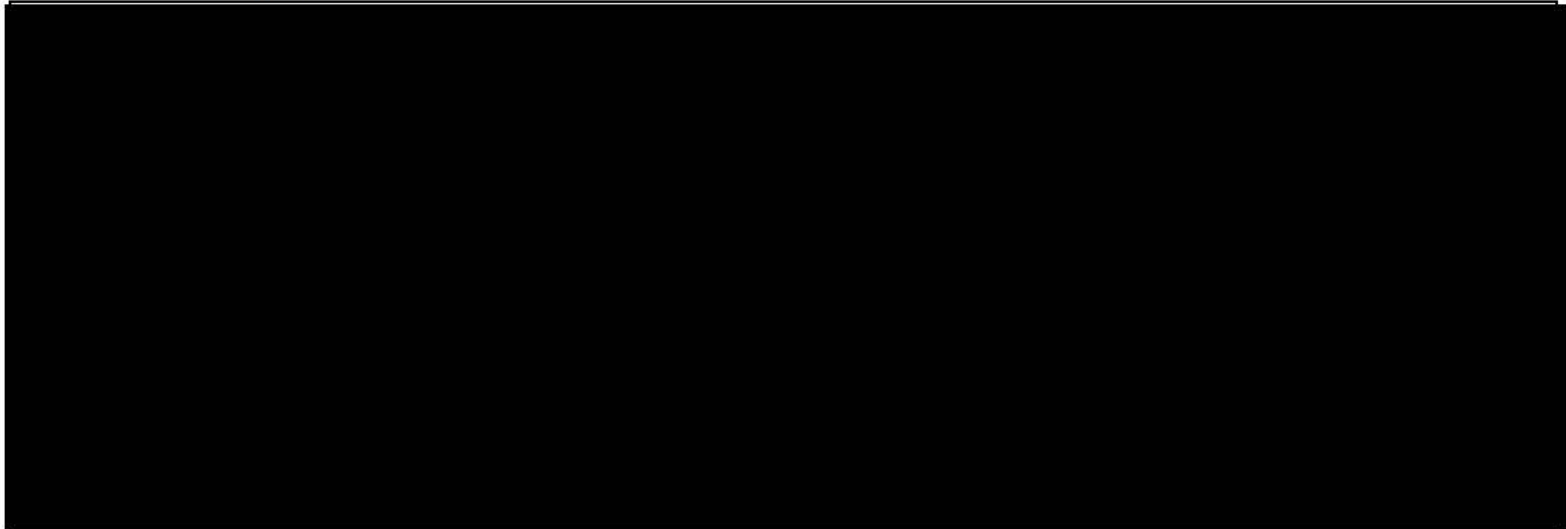
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Page: 23

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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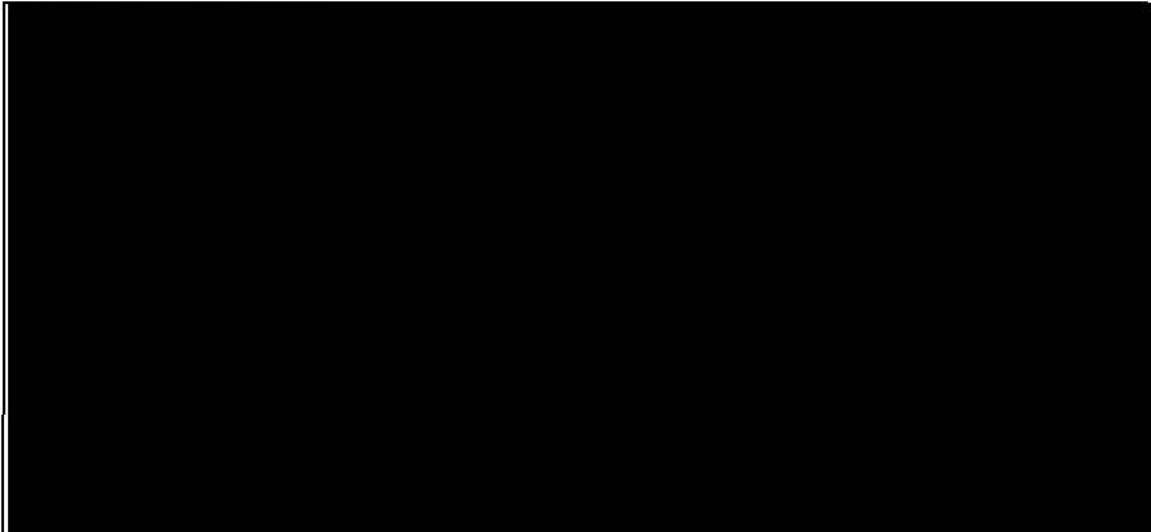
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Page: 24

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 25

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	-26	-25	-21	-20	-14	-7	1
	245	143.4	-	154.6	-	168.6	196.7	191.6 ^{1}
246	143.0	-	159.0	-	181.6	220.2	195.8
247	164.7	-	179.4	-	190.1	202.0	215.4
248	176.9	-	195.6	-	197.2	216.4	225.9
249	156.8	-	166.4	-	178.3	186.0	198.5
250	145.3	-	153.9	-	173.0	186.5	194.4
251	199.2	-	215.6	-	234.9	249.6	253.8
252	184.7	-	195.8	-	212.6	222.0	229.4
253	159.9	-	175.6	-	187.3	207.0	219.5
254	173.8	-	184.1	-	199.9	208.1	220.9
255	143.4	-	160.2	-	169.7	183.5	184.2
256	173.9	-	186.9	-	203.4	216.3	223.9
257	180.4	-	197.2	-	214.1	227.8	239.8
258	181.1	-	190.5	-	205.3	216.6	224.4
259	145.8	-	159.7	-	177.2	191.9	204.7
260	160.9	-	170.5	-	188.7	205.9	213.1
261	136.4	-	152.8	-	166.2	184.6	198.9
262	148.1	-	167.8	-	184.8	207.3	225.5

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Provantis

19-Oct-2020 16:13:58

Page: 26

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Day(s) Relative to Start Date						Body Weight Change (g)
	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	
	4	8	11	15	18	22	
							-26--21
245	183.7	187.7	197.1	221.9	235.6	249.5	11.2
246	198.8	201.5	197.7	217.4	228.5	225.6	16.0
247	211.2	215.2	215.9	217.2	227.9	236.8	14.7
248	225.9	226.6	229.6	235.1	243.2	246.9	18.7
249	204.9	209.7	204.4	209.2	208.8	217.0	9.6
250	188.8	197.2	196.6	202.6	199.6	204.2	8.6
251	260.2	263.8	265.5	274.5	279.0	287.7	16.4
252	233.3	233.3	237.0	242.9	242.7	250.2	11.1
253	216.2	219.1	215.8	221.0	231.5	235.1	15.7
254	217.7	223.3	223.4	229.9	227.0	234.7	10.3
255	183.6	187.0	191.0	193.1	202.2	204.5	16.8
256	228.9	230.1	235.2	235.4	241.5	243.7	13.0
257	237.9	244.8	245.5	258.1	262.6	276.0	16.8
258	224.0	226.4	230.2	249.6	259.8	256.7	9.4
259	207.0	213.6	209.4	213.6	212.1	220.5	13.9
260	220.2	226.0	224.6	232.2	238.2	247.7	9.6
261	194.6	200.6	200.3	206.8	217.6	220.6	16.4
262	225.6	240.3	234.1	235.9	239.0	244.6	19.7

CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 27

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Day(s) Relative to Start Date						
	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	-25--20	-20--14	-21--14	-14--7	-7-1	1-4	4-8
245	.	.	14.0	28.1	-5.1	-7.9	4.0
246	.	.	22.6	38.6	-24.4	3.0	2.7
247	.	.	10.7	11.9	13.4	-4.2	4.0
248	.	.	1.6	19.2	9.5	0.0	0.7
249	.	.	11.9	7.7	12.5	6.4	4.8
250	.	.	19.1	13.5	7.9	-5.6	8.4
251	.	.	19.3	14.7	4.2	6.4	3.6
252	.	.	16.8	9.4	7.4	3.9	0.0
253	.	.	11.7	19.7	12.5	-3.3	2.9
254	.	.	15.8	8.2	12.8	-3.2	5.6
255	.	.	9.5	13.8	0.7	-0.6	3.4
256	.	.	16.5	12.9	7.6	5.0	1.2
257	.	.	16.9	13.7	12.0	-1.9	6.9
258	.	.	14.8	11.3	7.8	-0.4	2.4
259	.	.	17.5	14.7	12.8	2.3	6.6
260	.	.	18.2	17.2	7.2	7.1	5.8
261	.	.	13.4	18.4	14.3	-4.3	6.0
262	.	.	17.0	22.5	18.2	0.1	14.7

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19-Oct-2020 16:13:58

Page: 28

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Day(s) Relative to Start Date				
	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	8-11	11-15	15-18	18-22	1-22
245	9.4	24.8	13.7	13.9	57.9
246	-3.8	19.7	11.1	-2.9	29.8
247	0.7	1.3	10.7	8.9	21.4
248	3.0	5.5	8.1	3.7	21.0
249	-5.3	4.8	-0.4	8.2	18.5
250	-0.6	6.0	-3.0	4.6	9.8
251	1.7	9.0	4.5	8.7	33.9
252	3.7	5.9	-0.2	7.5	20.8
253	-3.3	5.2	10.5	3.6	15.6
254	0.1	6.5	-2.9	7.7	13.8
255	4.0	2.1	9.1	2.3	20.3
256	5.1	0.2	6.1	2.2	19.8
257	0.7	12.6	4.5	13.4	36.2
258	3.8	19.4	10.2	-3.1	32.3
259	-4.2	4.2	-1.5	8.4	15.8
260	-1.4	7.6	6.0	9.5	34.6
261	-0.3	6.5	10.8	3.0	21.7
262	-6.2	1.8	3.1	5.6	19.1

CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 29

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	-26	-25	-21	-20	-14	-7	1
	263	166.6	-	173.5	-	189.0	201.1	208.7
264	193.3	-	203.0	-	218.4	233.0	249.4
265	160.4	-	174.5	-	199.1	216.6	229.5
266	161.3	-	176.7	-	191.8	212.3	223.8
45	-	157.1	-	167.6	182.6	195.9	219.9
46	-	171.2	-	181.3	203.2	218.5	249.1
47	-	151.0	-	163.9	172.0	192.9	213.4
48	-	177.3	-	186.4	195.2	199.4	223.3
49	-	184.4	-	196.3	207.5	213.5	227.6
50	-	143.2	-	160.2	166.5	185.2	198.1
51	-	186.2	-	200.7	215.5	229.6	241.0
52	-	168.0	-	179.5	190.2	193.6	220.4
53	-	158.6	-	170.3	187.9	197.5	204.7
54	-	147.0	-	156.3	174.6	187.4	201.9
55	-	159.4	-	177.7	197.3	209.0	228.6
56	-	183.5	-	209.3	233.0	247.7	262.3
57	-	145.6	-	151.6	175.1	187.8	191.5
58	-	176.4	-	195.7	201.7	204.6	224.6

CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 30

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Day(s) Relative to Start Date						Body Weight Change (g)
	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	
	4	8	11	15	18	22	
							-26--21
263	203.2	206.4	212.2	219.9	221.5	226.5	6.9
264	246.9	253.4	246.1	252.8	262.2	273.1	9.7
265	221.4	229.8	237.2	239.3	247.6	257.6	14.1
266	233.0	246.9	242.7	242.1 ! ¹	242.6	249.0	15.4
45	223.5	238.2	219.4 ! ¹	220.2	228.7	235.8	.
46	249.5	263.8	250.0 ! ¹	251.0	259.8	272.1	.
47	204.5	212.3	204.2 ! ¹	211.7	220.1	228.9	.
48	213.1	220.7	225.1	235.0	241.2	238.6	.
49	222.2	232.6	223.9 ! ¹	227.6	230.5	233.4	.
50	193.8	200.6	195.4 ! ¹	201.4	214.4	220.3	.
51	237.6	242.8	245.7	244.7	249.5	253.6	.
52	216.3	220.4	217.0 ! ¹	230.5	233.8	236.1	.
53	206.0	210.3	209.9 ! ¹	213.5	211.4	218.6	.
54	208.4	215.6	216.1	221.7	223.7	227.3	.
55	229.1	236.4	231.6 ! ¹	239.4	240.3	244.0	.
56	257.9	269.1	271.8	272.8	283.1	283.9	.
57	200.3	205.4	208.5	212.0	218.6	222.1	.
58	223.0	230.5	227.9 ! ¹	233.9	236.0	239.5	.

1 [RC:Verified value]

Provantis

19-Oct-2020 16:13:58

Page: 31

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Day(s) Relative to Start Date						
	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	-25--20	-20--14	-21--14	-14--7	-7-1	1-4	4-8
263	.	.	15.5	12.1	7.6	-5.5	3.2
264	.	.	15.4	14.6	16.4	-2.5	6.5
265	.	.	24.6	17.5	12.9	-8.1	8.4
266	.	.	15.1	20.5	11.5	9.2	13.9
45	10.5	15.0	.	13.3	24.0	3.6	14.7
46	10.1	21.9	.	15.3	30.6	0.4	14.3
47	12.9	8.1	.	20.9	20.5	-8.9	7.8
48	9.1	8.8	.	4.2	23.9	-10.2	7.6
49	11.9	11.2	.	6.0	14.1	-5.4	10.4
50	17.0	6.3	.	18.7	12.9	-4.3	6.8
51	14.5	14.8	.	14.1	11.4	-3.4	5.2
52	11.5	10.7	.	3.4	26.8	-4.1	4.1
53	11.7	17.6	.	9.6	7.2	1.3	4.3
54	9.3	18.3	.	12.8	14.5	6.5	7.2
55	18.3	19.6	.	11.7	19.6	0.5	7.3
56	25.8	23.7	.	14.7	14.6	-4.4	11.2
57	6.0	23.5	.	12.7	3.7	8.8	5.1
58	19.3	6.0	.	2.9	20.0	-1.6	7.5

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Provantis

19-Oct-2020 16:13:58

Page: 32

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Day(s) Relative to Start Date				
	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	8-11	11-15	15-18	18-22	1-22
263	5.8	7.7	1.6	5.0	17.8
264	-7.3	6.7	9.4	10.9	23.7
265	7.4	2.1	8.3	10.0	28.1
266	-4.2	-0.6	0.5	6.4	25.2
45	-18.8	0.8	8.5	7.1	15.9
46	-13.8	1.0	8.8	12.3	23.0
47	-8.1	7.5	8.4	8.8	15.5
48	4.4	9.9	6.2	-2.6	15.3
49	-8.7	3.7	2.9	2.9	5.8
50	-5.2	6.0	13.0	5.9	22.2
51	2.9	-1.0	4.8	4.1	12.6
52	-3.4	13.5	3.3	2.3	15.7
53	-0.4	3.6	-2.1	7.2	13.9
54	0.5	5.6	2.0	3.6	25.4
55	-4.8	7.8	0.9	3.7	15.4
56	2.7	1.0	10.3	0.8	21.6
57	3.1	3.5	6.6	3.5	30.6
58	-2.6	6.0	2.1	3.5	14.9

CONFIDENTIAL

Provantis

19-Oct-2020 16:13:58

Page: 33

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	-26	-25	-21	-20	-14	-7	1
59	-	183.1	-	198.1	200.9	220.5	227.7
60	-	166.6	-	182.9	193.3	200.5	223.4
61	-	161.1	-	177.6	199.7	216.3	238.2
62	-	157.9	-	176.5	188.5	206.8	217.6
63	-	166.0	-	184.3	188.5	204.9	219.3
64	-	166.1	-	175.9	196.6	206.2	214.8
65	-	186.4	-	198.9	205.7	205.5	228.2
66	-	146.3	-	150.0	168.3	175.6	195.9
Mean	163.60	165.56	176.97	179.14	192.61	206.60	219.15
SD	17.64	14.15	17.45	16.54	16.69	16.39	17.75
N	22	22	22	22	44	44	44
%Diff	1.63	0.97	1.82	0.95	1.55	2.00	1.23

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Provantis

19-Oct-2020 16:13:58

Page: 34

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight Change (g)
	4	8	11	15	18	22	-26--21
59	226.7	228.2	230.1	235.8	241.6	246.2	.
60	226.0	228.2	228.6	241.8	244.8	243.0	.
61	235.5	236.5	224.8 ¹	225.9	234.8	241.4	.
62	216.5	221.6	222.5	225.6	237.2	240.9	.
63	222.9	215.9	210.4 ¹	210.9	220.8	226.0	.
64	212.8	219.4	213.0 ¹	216.6	224.4	230.6	.
65	227.4	232.6	227.4 ¹	237.9	236.7	244.1	.
66	194.6	198.0	192.8 ¹	197.3	197.7	205.2	.
Mean	218.51	224.13	222.45	228.58	234.09	239.54	13.36
SD	18.10	19.18	18.60	18.32	18.89	19.41	3.59
N	44	44	44	44	44	44	22
%Diff	-1.28	-1.57	-2.87	-2.23	-0.73	-0.25	4.26

¹ [RC:Verified value]

Provantis

19-Oct-2020 16:13:58

Page: 35

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	-25-20	-20-14	-21-14	-14-7	-7-1	1-4	4-8
59	15.0	2.8	.	19.6	7.2	-1.0	1.5
60	16.3	10.4	.	7.2	22.9	2.6	2.2
61	16.5	22.1	.	16.6	21.9	-2.7	1.0
62	18.6	12.0	.	18.3	10.8	-1.1	5.1
63	18.3	4.2	.	16.4	14.4	3.6	-7.0
64	9.8	20.7	.	9.6	8.6	-2.0	6.6
65	12.5	6.8	.	-0.2	22.7	-0.8	5.2
66	3.7	18.3	.	7.3	20.3	-1.3	3.4
Mean	13.57	13.76	15.36	13.98	12.55	-0.64	5.62
SD	4.99	6.67	4.71	6.82	9.13	4.73	4.16
N	22	22	22	44	44	44	44
%Diff	0.67	5.84	1.84	8.60	-9.96	-113.13	-11.81

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Provantis

19-Oct-2020 16:13:58

Page: 36

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Body Weight Change (g)				
	8-11	11-15	15-18	18-22	1-22
	59	1.9	5.7	5.8	4.6	18.5
60	0.4	13.2	3.0	-1.8	19.6
61	-11.7	1.1	8.9	6.6	3.2
62	0.9	3.1	11.6	3.7	23.3
63	-5.5	0.5	9.9	5.2	6.7
64	-6.4	3.6	7.8	6.2	15.8
65	-5.2	10.5	-1.2	7.4	15.9
66	-5.2	4.5	0.4	7.5	9.3
Mean	-1.69	6.14	5.50	5.45	20.39
SD	5.67	5.49	4.64	3.97	9.45
N	44	44	44	44	44
%Diff	-229.04	28.13	175.11	26.25	-13.73

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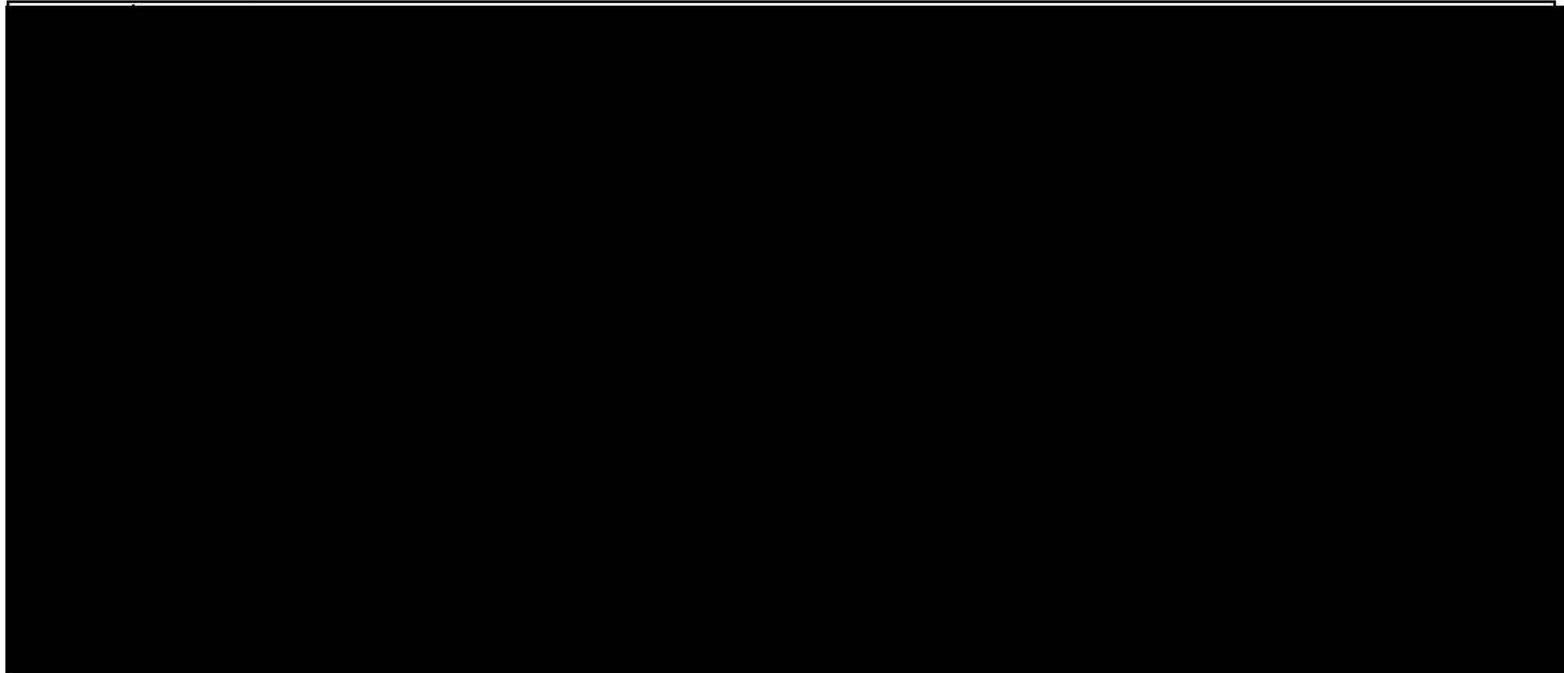
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Page: 37

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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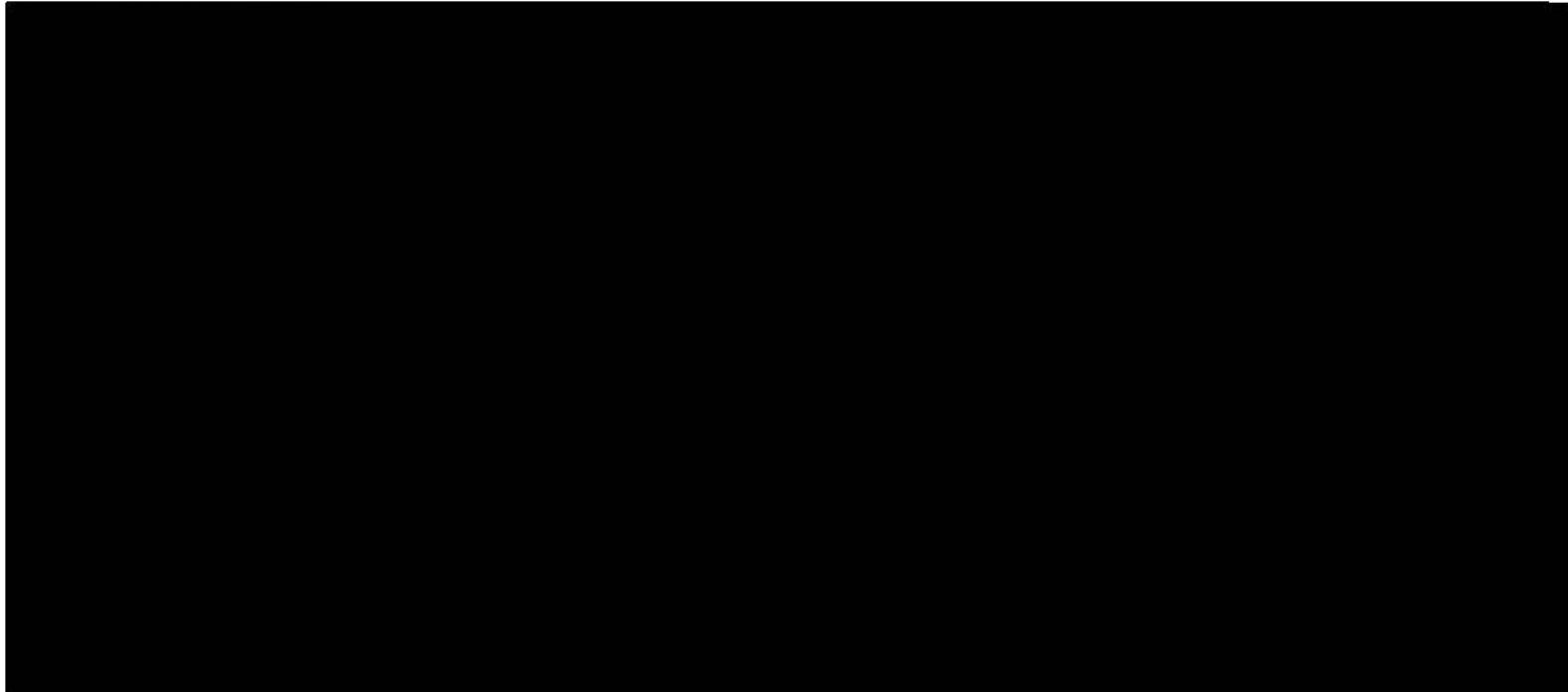
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Page: 38

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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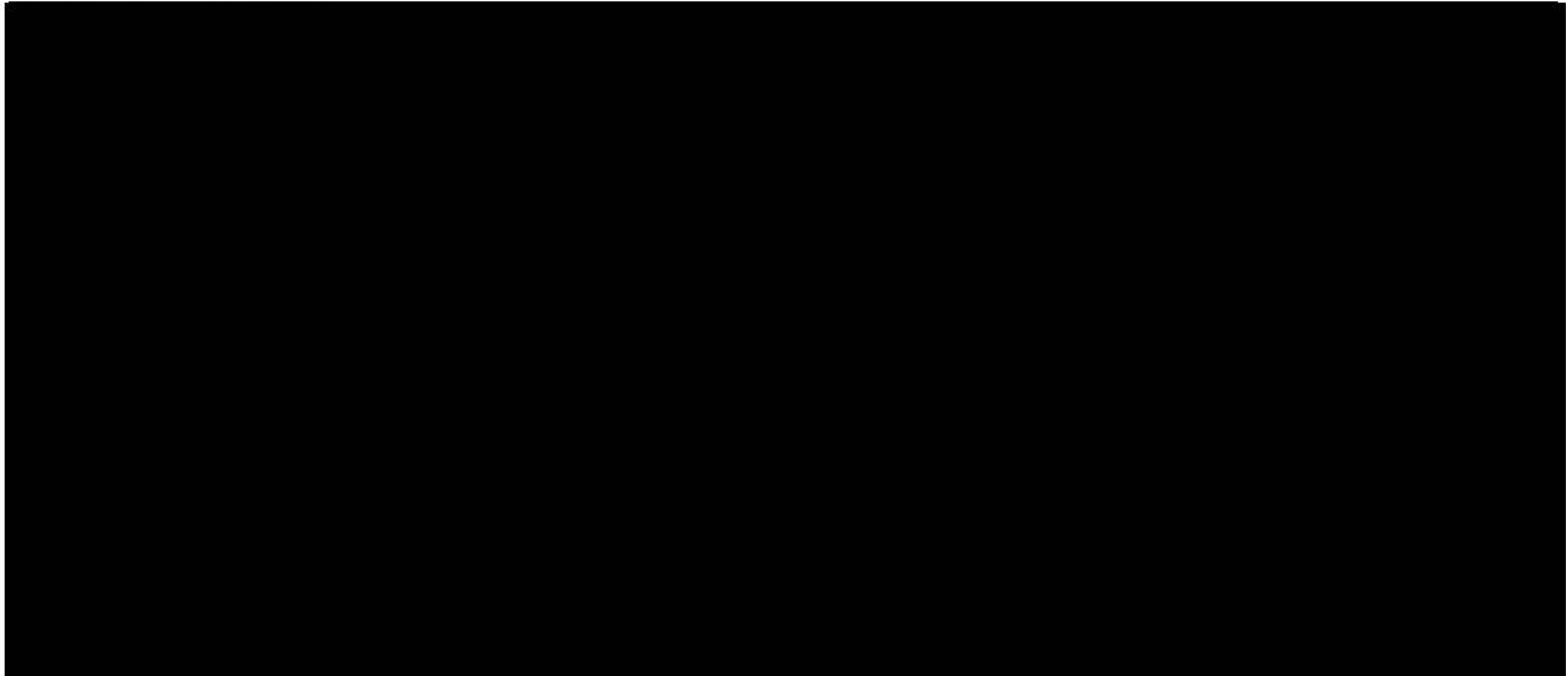
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Page: 39

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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Provantis

19-Oct-2020 16:13:58

Page: 40

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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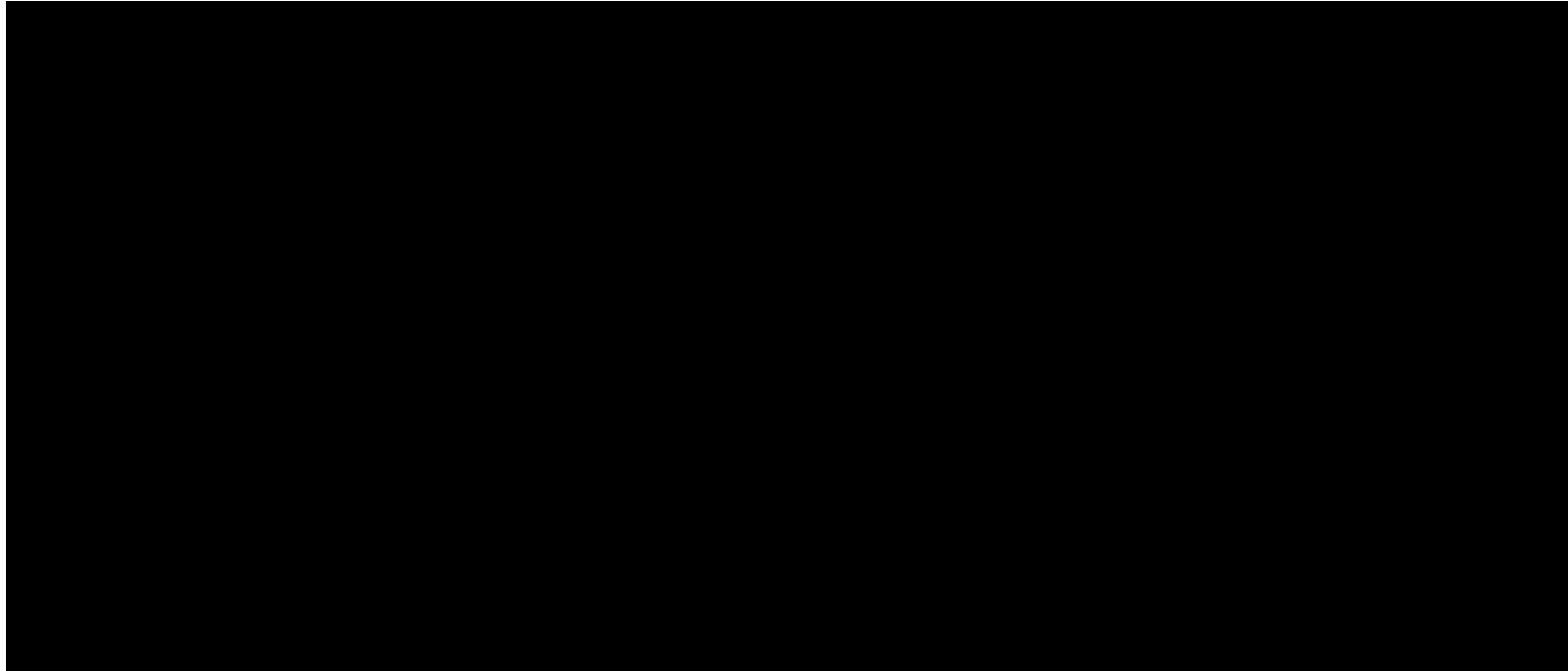
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Page: 41

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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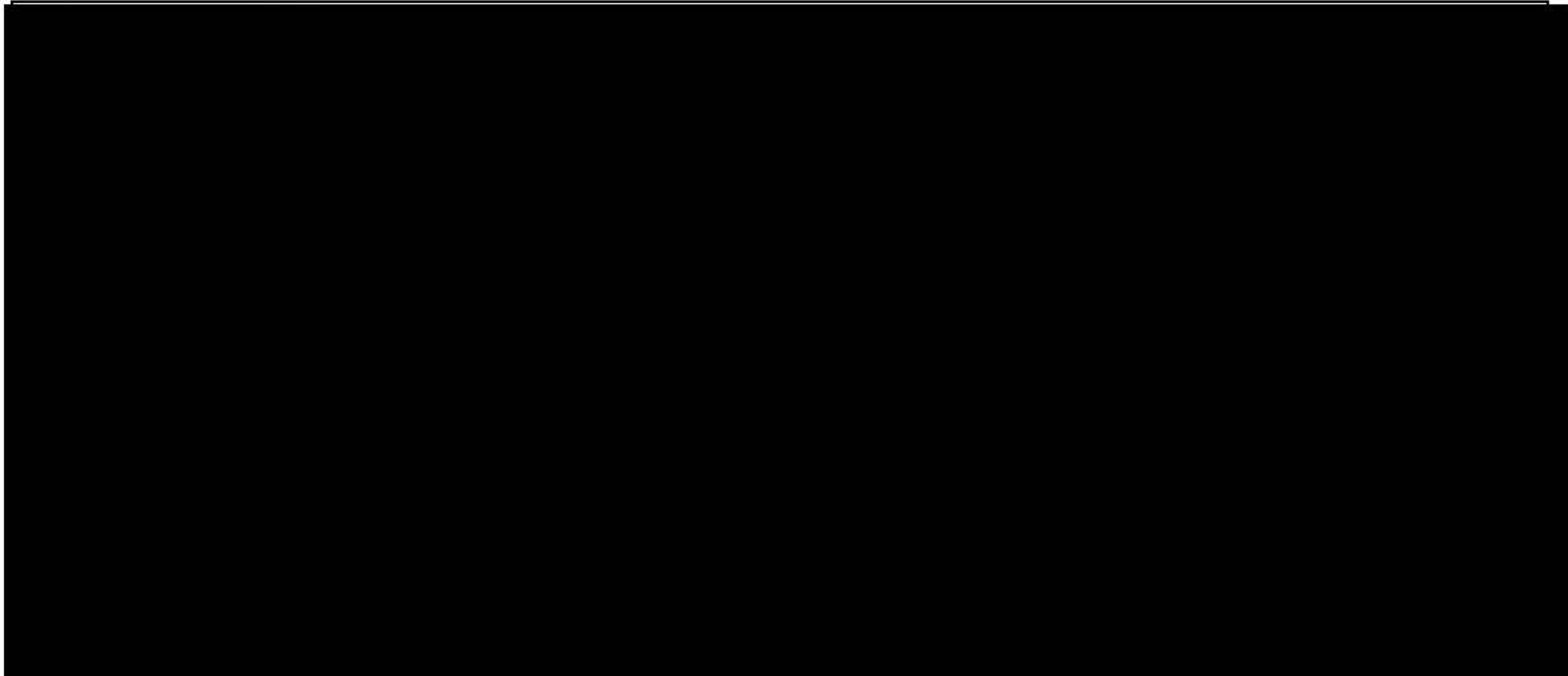
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Page: 42

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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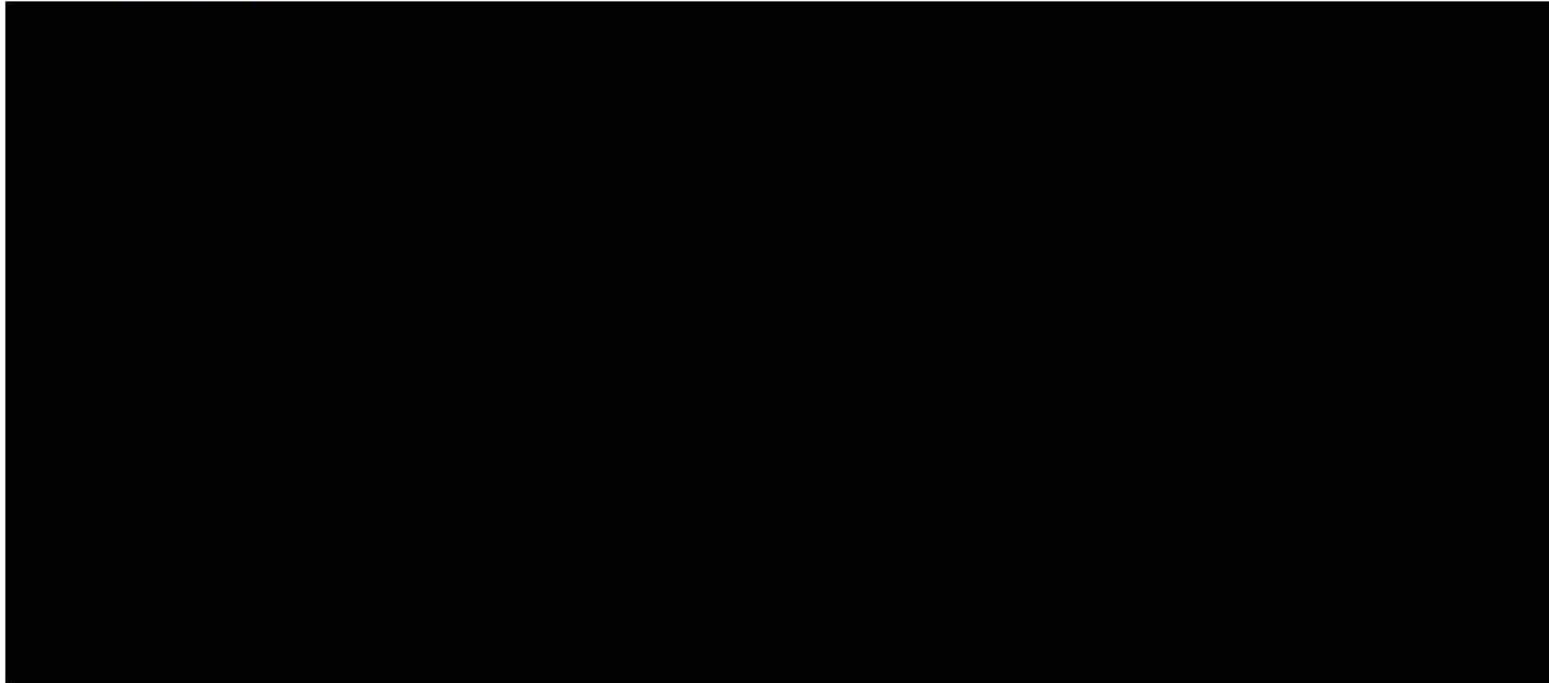
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Page: 43

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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Provantis

19-Oct-2020 16:13:58

Page: 44

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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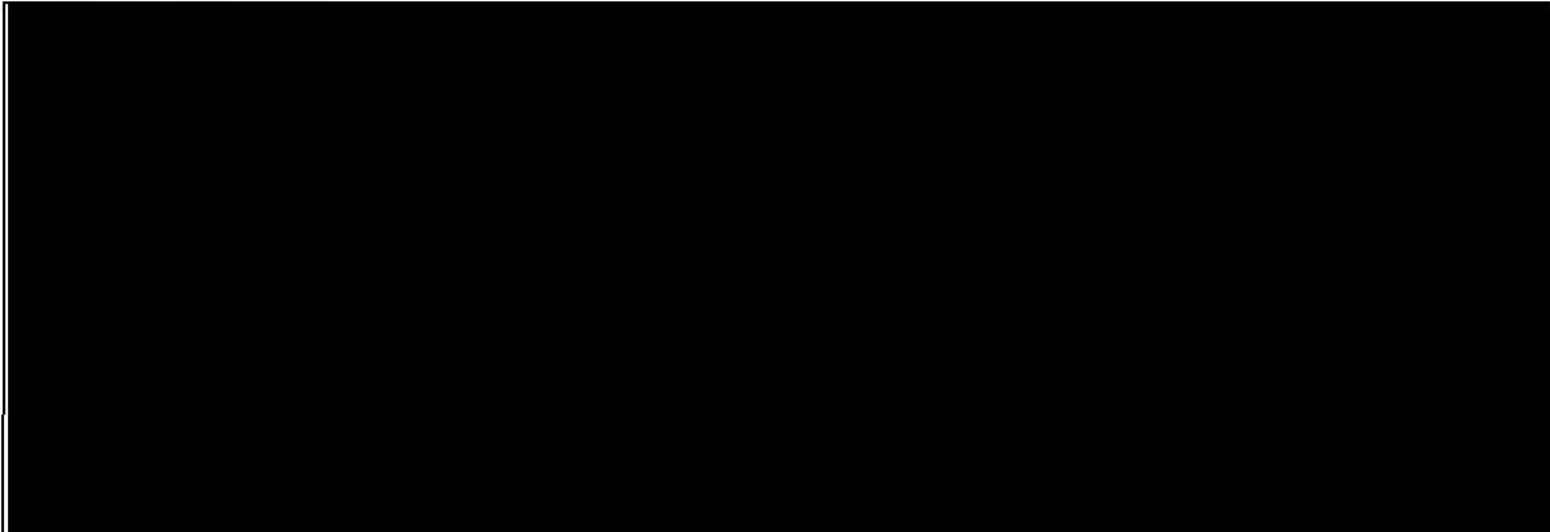
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Page: 45

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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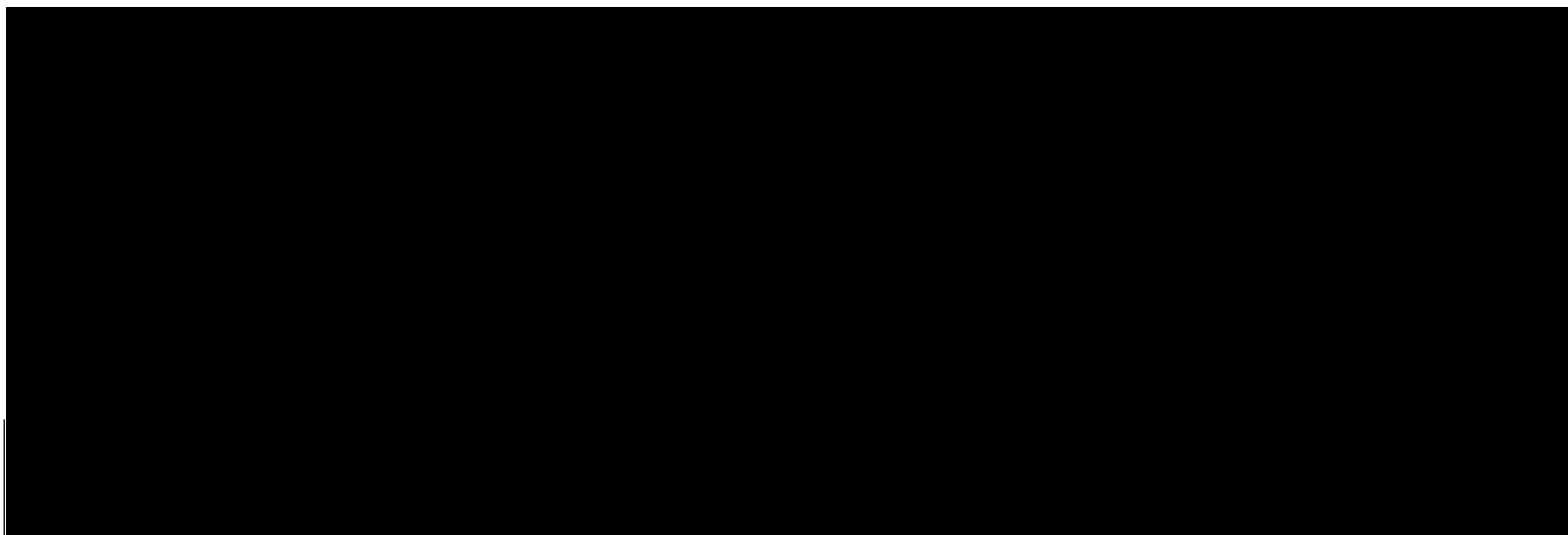
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Page: 46

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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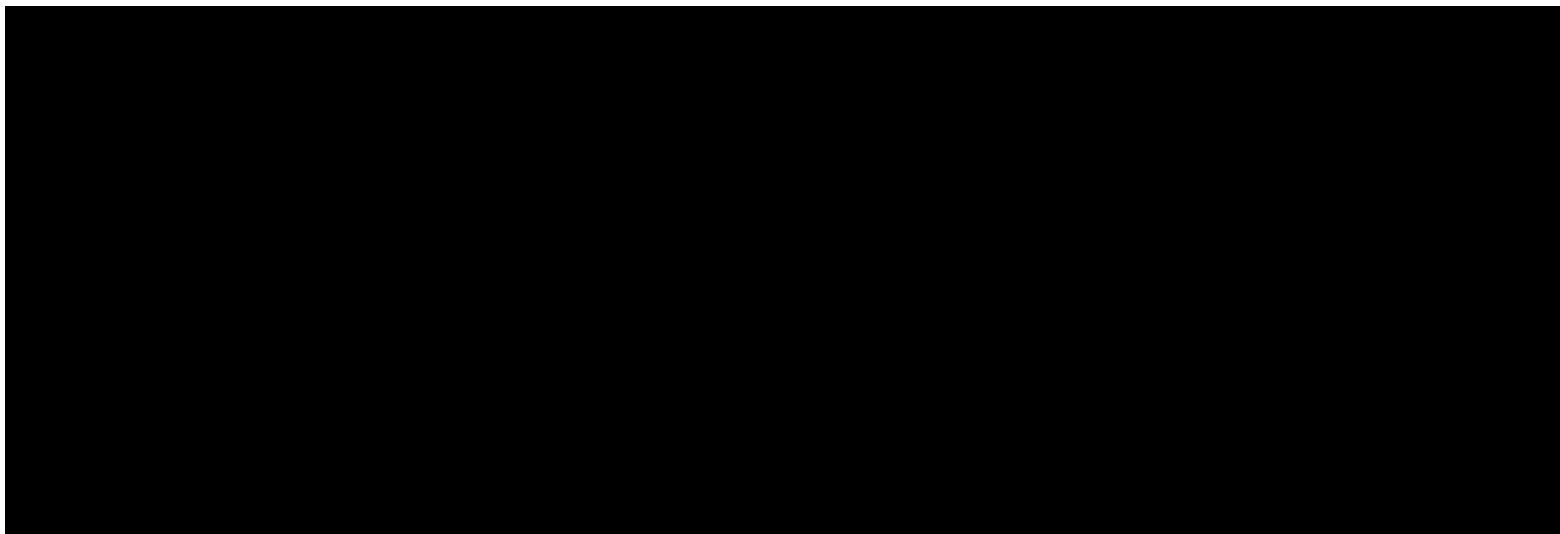
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Page: 47

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



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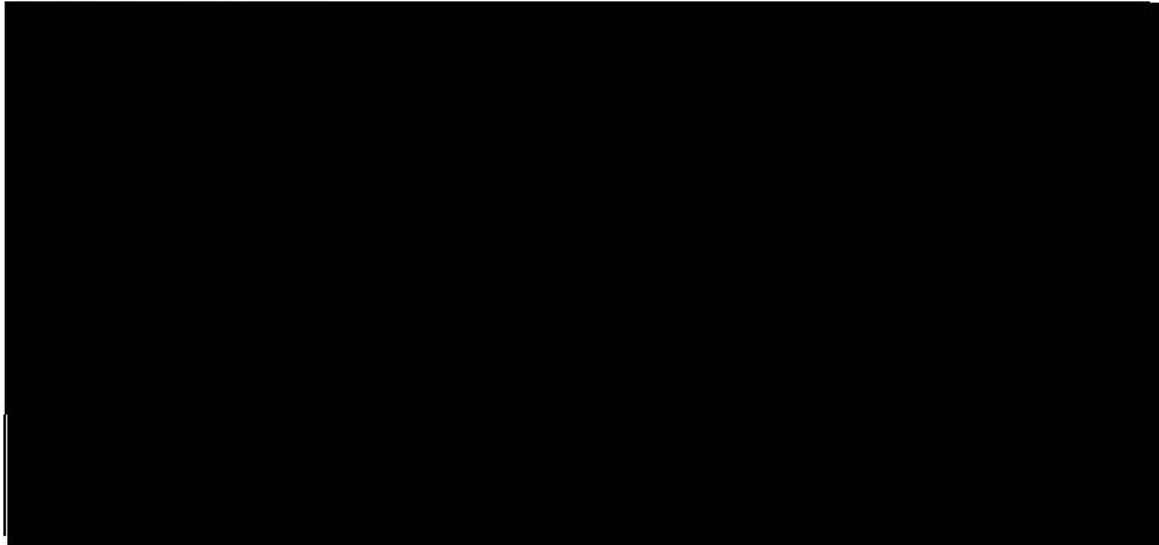
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Page: 48

Individual Pre-Mating Body Weight and Body Weight Change of Females

20256434

Sex: Female Day(s) Relative to Start Date



CONFIDENTIAL

Provantis

19-Oct-2020 16:29:19

Page: 1

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	6	9	12	15	18	21
	201	206.2	225.8	236.3	251.3	267.1	304.7	337.1
202	237.9 ¹	258.2	266.5	279.1	287.1	322.0	351.8
203	220.0	237.6	249.3	259.4	278.0	312.5	342.0
204	218.5	252.1	264.4	286.2	300.3	341.8	365.4
205	223.1	234.8	243.9	255.9	274.1	320.1	347.1
206	245.1	268.5	275.0	289.1	297.4	342.5	372.5
207	215.4	223.3	231.0	242.8	255.6	277.7	300.5
208	237.3	248.9	254.5	266.5	279.4	317.0	344.1
209	214.5	228.9	231.3	244.5	255.2	282.3	313.4
210	249.3	269.8	278.0	299.0	312.0	340.0	372.4
211	227.3	253.8	260.1	274.7	284.9	321.0	354.9
212	241.6	270.4	286.8	299.4	309.1	357.3	377.0
213	234.6	255.7	261.6	273.8	288.6	321.4	354.9
214	218.5	241.1	243.1	257.6	266.4	305.5	335.4
215	259.7	288.3	293.0	309.3	322.0	359.4	393.2
216	258.6	277.9	291.7	301.6	316.4	351.8	392.7
217	247.0	262.6	271.6	284.5	300.5	330.4	370.7
218	250.8	260.4	267.3	279.8	288.6	324.2	358.3

¹ [RC:Verified value]

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19-Oct-2020 16:29:19

Page: 2

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Body Weight Change (g)						
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	201	19.6	10.5	15.0	15.8	37.6	32.4	130.9
202	20.3	8.3	12.6	8.0	34.9	29.8	113.9
203	17.6	11.7	10.1	18.6	34.5	29.5	122.0
204	33.6	12.3	21.8	14.1	41.5	23.6	146.9
205	11.7	9.1	12.0	18.2	46.0	27.0	124.0
206	23.4	6.5	14.1	8.3	45.1	30.0	127.4
207	7.9	7.7	11.8	12.8	22.1	22.8	85.1
208	11.6	5.6	12.0	12.9	37.6	27.1	106.8
209	14.4	2.4	13.2	10.7	27.1	31.1	98.9
210	20.5	8.2	21.0	13.0	28.0	32.4	123.1
211	26.5	6.3	14.6	10.2	36.1	33.9	127.6
212	28.8	16.4	12.6	9.7	48.2	19.7	135.4
213	21.1	5.9	12.2	14.8	32.8	33.5	120.3
214	22.6	2.0	14.5	8.8	39.1	29.9	116.9
215	28.6	4.7	16.3	12.7	37.4	33.8	133.5
216	19.3	13.8	9.9	14.8	35.4	40.9	134.1
217	15.6	9.0	12.9	16.0	29.9	40.3	123.7
218	9.6	6.9	12.5	8.8	35.6	34.1	107.5

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19-Oct-2020 16:29:19

Page: 3

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	6	9	12	15	18	21
	219	246.4	268.4	278.9	293.0	305.6	349.6	382.5
220	277.0	303.5	320.0	337.5	349.2	395.7	434.9
221	283.2	308.8	317.4	336.3	354.8	401.3	444.6
222	252.8	278.6	287.4	302.2	316.1	354.3	394.8
1	214.0	222.4	233.7	248.5	261.2	293.8	331.3
2	223.7	245.8	257.8	273.0	283.3	320.2	353.0
3	239.1	258.5	273.8	280.1	296.7	331.2	372.5
4	233.2	261.7	266.4	290.4	295.3	328.5	367.1
5	210.2	235.1	242.5	253.2	268.4	301.9	340.0
6	257.9	279.7	281.5	299.5	311.0	338.5	372.6
7	270.4	291.2	298.3	315.3	330.9	360.2	401.1
8	231.4	259.2	275.6	290.8	297.9	329.6	365.0
9	250.5	270.7	282.4	291.5	302.0	333.3	371.2
10	243.1	259.5	267.1	279.0	292.7	324.1	353.4
11	243.2	255.5	262.3	273.3	289.8	322.7	360.9
12	243.2	265.2	277.6	283.4	296.1	325.7	361.1
13	236.0	249.9	261.9	272.4	285.8	313.7	348.6
14	219.2	242.1	245.6	258.4	273.2	305.0	346.1

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Provantis

19-Oct-2020 16:29:19

Page: 4

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Body Weight Change (g)						
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	219	22.0	10.5	14.1	12.6	44.0	32.9	136.1
220	26.5	16.5	17.5	11.7	46.5	39.2	157.9
221	25.6	8.6	18.9	18.5	46.5	43.3	161.4
222	25.8	8.8	14.8	13.9	38.2	40.5	142.0
1	8.4	11.3	14.8	12.7	32.6	37.5	117.3
2	22.1	12.0	15.2	10.3	36.9	32.8	129.3
3	19.4	15.3	6.3	16.6	34.5	41.3	133.4
4	28.5	4.7	24.0	4.9	33.2	38.6	133.9
5	24.9	7.4	10.7	15.2	33.5	38.1	129.8
6	21.8	1.8	18.0	11.5	27.5	34.1	114.7
7	20.8	7.1	17.0	15.6	29.3	40.9	130.7
8	27.8	16.4	15.2	7.1	31.7	35.4	133.6
9	20.2	11.7	9.1	10.5	31.3	37.9	120.7
10	16.4	7.6	11.9	13.7	31.4	29.3	110.3
11	12.3	6.8	11.0	16.5	32.9	38.2	117.7
12	22.0	12.4	5.8	12.7	29.6	35.4	117.9
13	13.9	12.0	10.5	13.4	27.9	34.9	112.6
14	22.9	3.5	12.8	14.8	31.8	41.1	126.9

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Provantis

19-Oct-2020 16:29:19

Page: 5

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	6	9	12	15	18	21
15	263.0	272.3	285.1	296.1	313.2	348.5	388.3
16	240.8	254.1	265.2	275.3	290.5	322.8	348.6
17	296.4	316.6	320.9	337.8	353.9	391.3	429.2
18	275.1	293.7	302.3	318.0	331.8	364.6	398.9
19	221.7	234.2	240.0	250.9	269.0	300.4	331.3
20 NP	258.6 E ¹	279.1 E ¹	276.2 E ¹	275.2 E ¹	272.6 E ^{1,2}	270.7 E ^{1,2}	272.7 E ¹
21	239.0	262.4	272.6	280.8	292.7	330.3	361.8
22	259.8	277.7	287.1	300.1	315.3	352.0	394.8
Mean	241.30	261.04	269.97	283.52	296.72	331.88	365.98
SD	20.73	22.34	22.98	24.24	24.44	27.03	29.55
N	43	43	43	43	43	43	43

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Page: 6

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	15	9.3	12.8	11.0	17.1	35.3	39.8	125.3
16	13.3	11.1	10.1	15.2	32.3	25.8	107.8
17	20.2	4.3	16.9	16.1	37.4	37.9	132.8
18	18.6	8.6	15.7	13.8	32.8	34.3	123.8
19	12.5	5.8	10.9	18.1	31.4	30.9	109.6
20 NP	20.5 E ¹	-2.9 E ¹	-1.0 E ¹	-2.6 E ¹	-1.9 E ¹	2.0 E ¹	14.1 E ¹
21	23.4	10.2	8.2	11.9	37.6	31.5	122.8
22	17.9	9.4	13.0	15.2	36.7	42.8	135.0
Mean	19.75	8.93	13.55	13.20	35.16	34.10	124.68
SD	6.20	3.82	3.77	3.24	5.81	5.64	14.14
N	43	43	43	43	43	43	43

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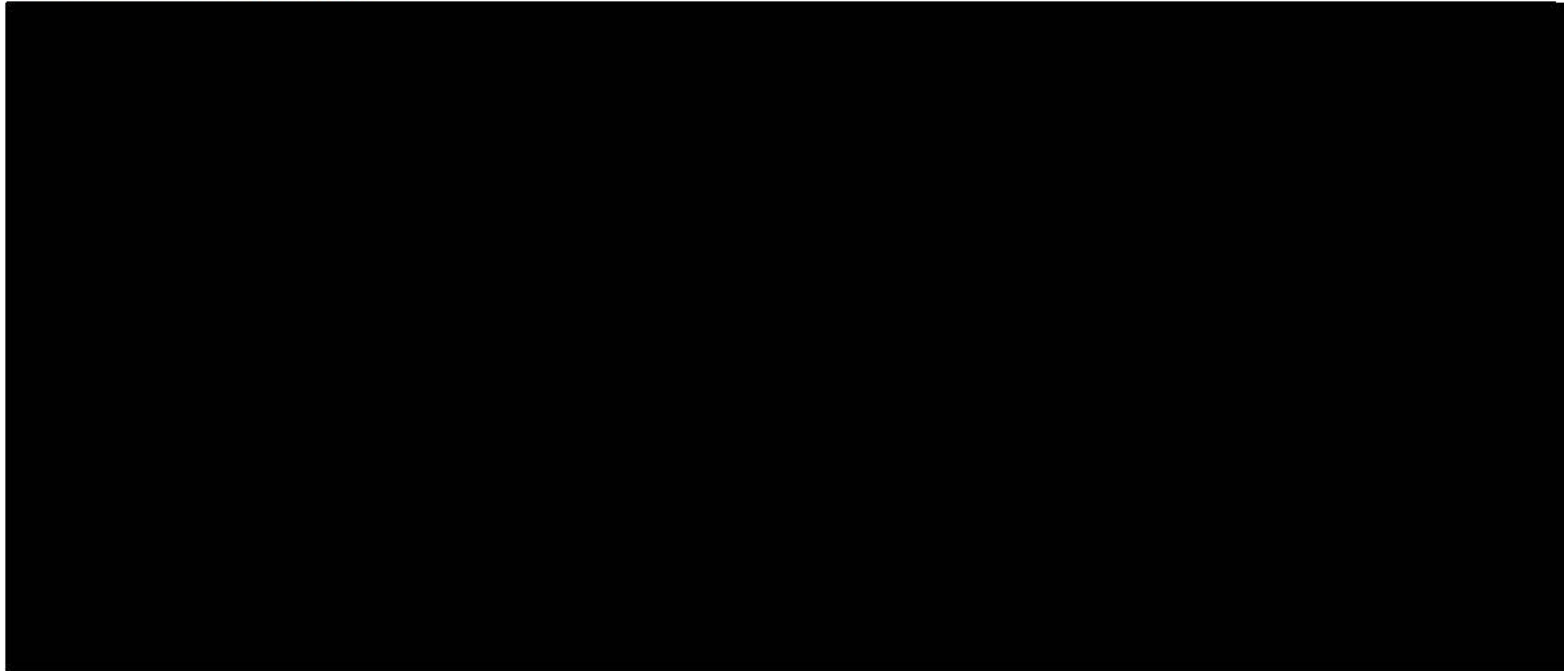
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Page: 7

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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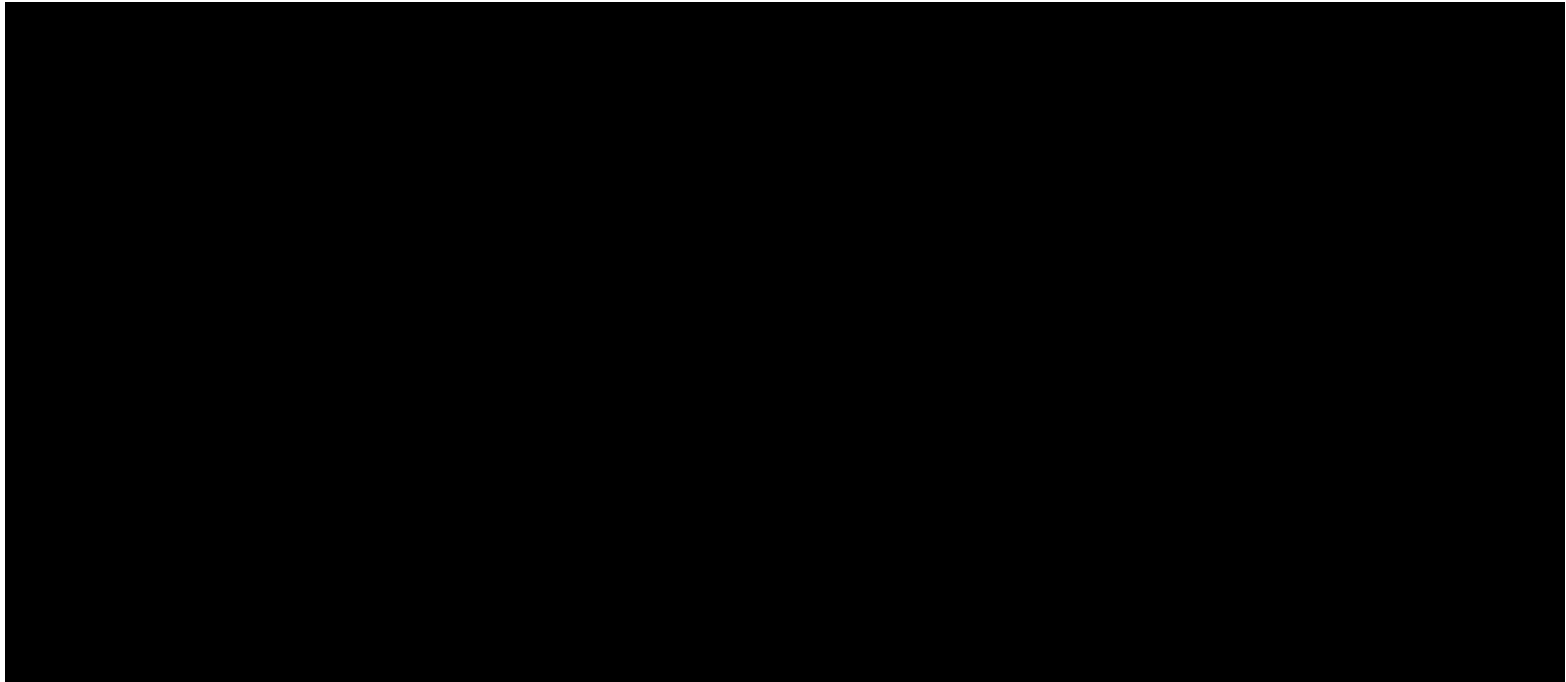
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Page: 8

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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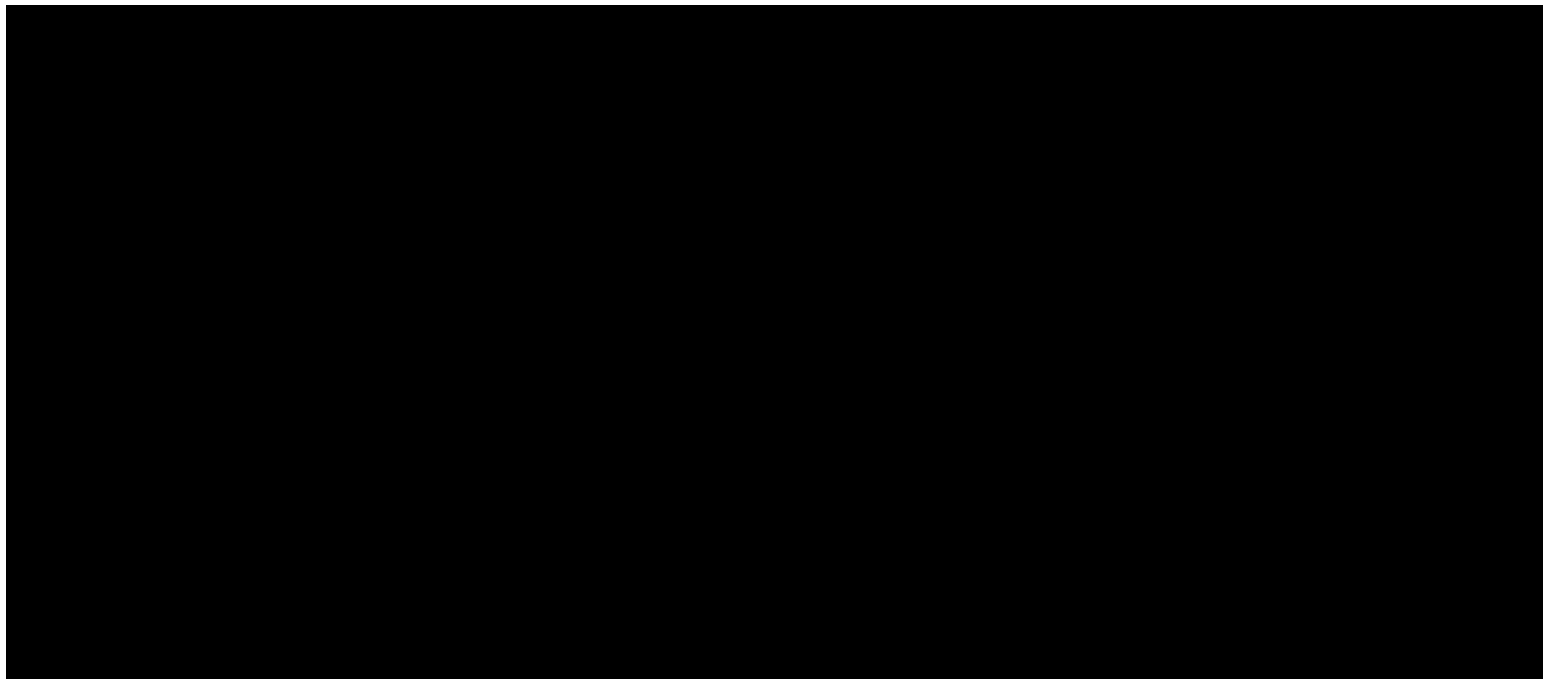
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Page: 9

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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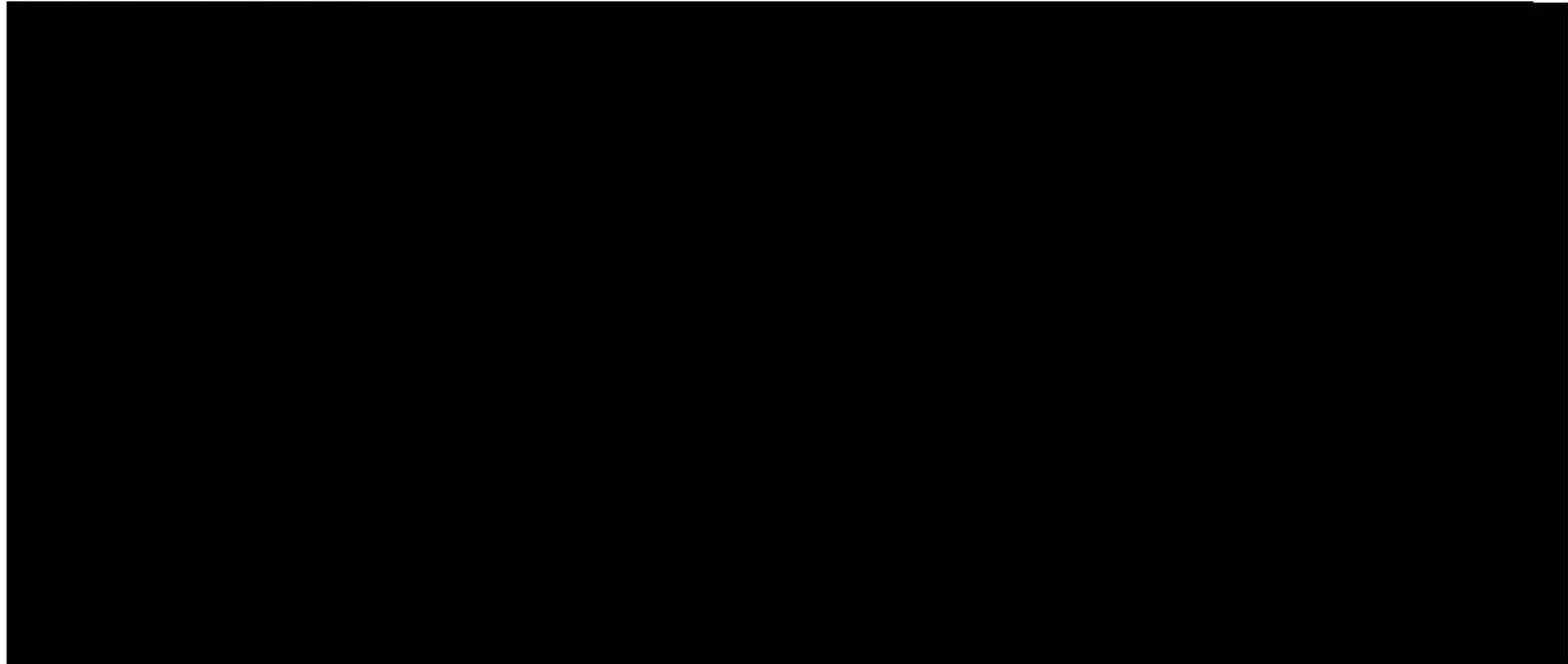
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Page: 10

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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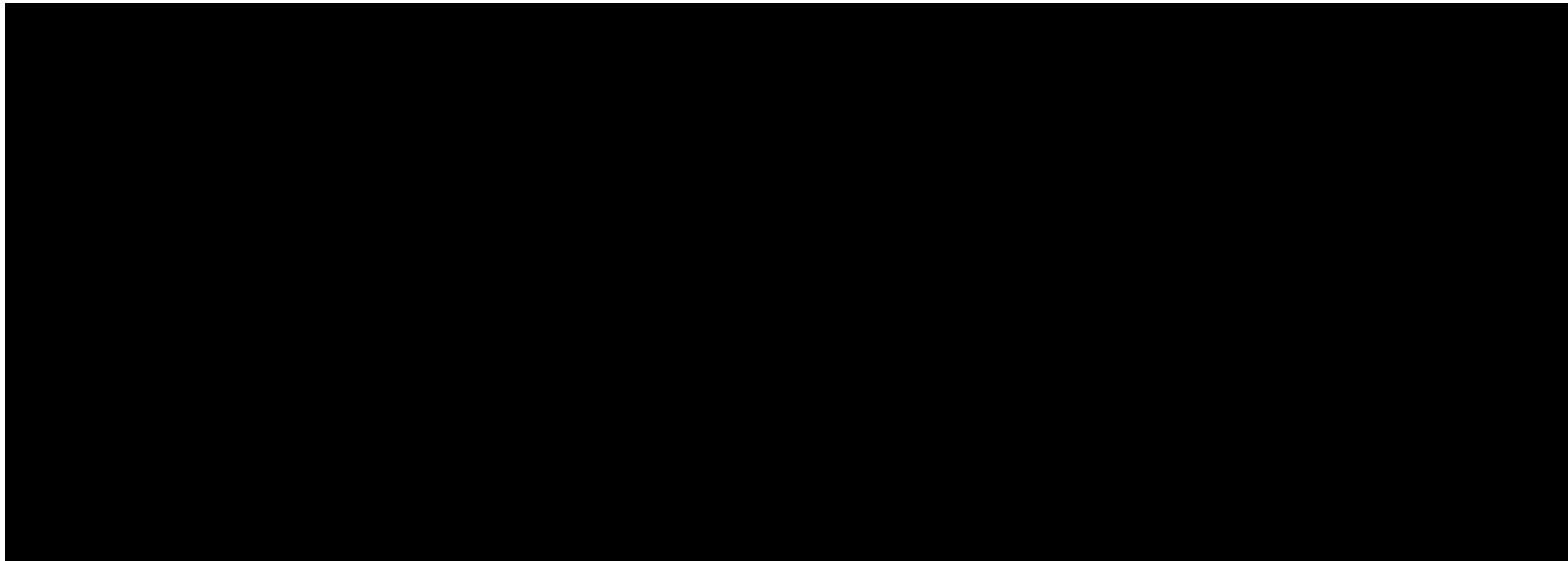
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Page: 11

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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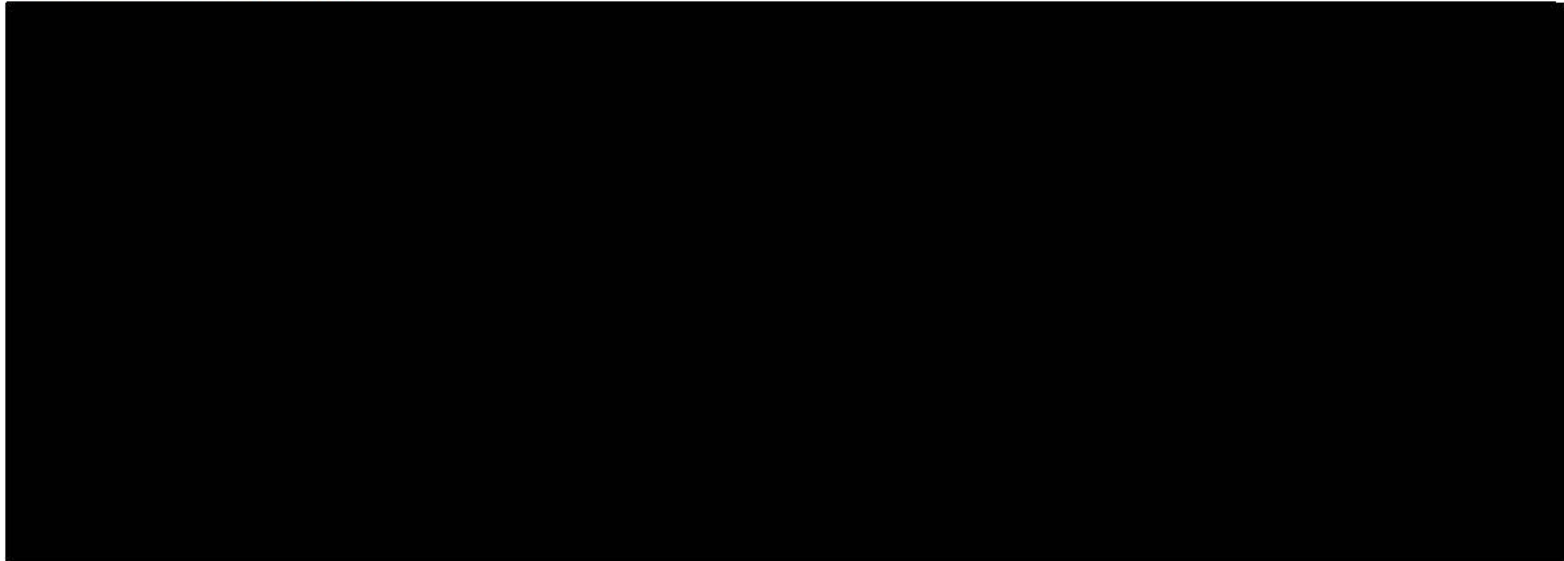
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Page: 12

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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19-Oct-2020 16:29:19

Page: 13

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	6	9	12	15	18	21
	245	248.2	260.6	274.7	284.4	323.6	364.0	255.3
246	224.3	244.3	250.9	252.2	266.6	299.1	321.1
247	235.8	263.2	269.3	279.4	293.4	327.6	360.2
248	245.1	265.5	263.2	275.3	284.9	313.8	335.8
249	223.4	249.3	257.6	265.1	279.9	327.0	350.6
250	213.9	237.0	246.2	251.7	263.9	293.6	321.0
251	292.4	310.0	321.8	329.4	346.2	385.3	412.1
252	250.3	279.2	288.2	290.6	301.1	337.5	369.7
253	236.7	270.4	271.2	272.9	292.6	328.9	352.1
254 NP	245.2 E ¹	267.8 E ¹	278.1 E ¹	274.6 E ¹	271.1 E ¹	266.4 E ^{1,3}	259.6 E ^{1,3}
255	206.4	237.1	237.5	252.9	257.9	274.2	280.5
256	248.0	268.5	284.1	289.7	308.0	345.7	378.2
257	271.0	282.4	285.3	291.7	310.2	347.2	379.5
258	258.3	277.0	287.2	294.4	315.2	351.4	381.3
259	227.4	246.3	256.4	263.6	275.7	318.2	348.5
260	244.3	272.7 ^{1,2}	281.1	282.2	299.7	339.3	369.1
261	217.8	236.8	241.8	248.4	256.4	291.4	319.3
262	249.2	268.1	279.6	285.0	284.9	341.5	365.6

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19-Oct-2020 16:29:19

Page: 14

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	245	12.4	14.1	9.7	39.2	40.4	-108.7	7.1
246	20.0	6.6	1.3	14.4	32.5	22.0	96.8
247	27.4	6.1	10.1	14.0	34.2	32.6	124.4
248	20.4	-2.3	12.1	9.6	28.9	22.0	90.7
249	25.9	8.3	7.5	14.8	47.1	23.6	127.2
250	23.1	9.2	5.5	12.2	29.7	27.4	107.1
251	17.6	11.8	7.6	16.8	39.1	26.8	119.7
252	28.9	9.0	2.4	10.5	36.4	32.2	119.4
253	33.7	0.8	1.7	19.7	36.3	23.2	115.4
254 NP	22.6 E ¹	10.3 E ¹	-3.5 E ¹	-3.5 E ¹	-4.7 E ¹	-6.8 E ¹	14.4 E ¹
255	30.7	0.4	15.4	5.0	16.3	6.3	74.1
256	20.5	15.6	5.6	18.3	37.7	32.5	130.2
257	11.4	2.9	6.4	18.5	37.0	32.3	108.5
258	18.7	10.2	7.2	20.8	36.2	29.9	123.0
259	18.9	10.1	7.2	12.1	42.5	30.3	121.1
260	28.4	8.4	1.1	17.5	39.6	29.8	124.8
261	19.0	5.0	6.6	8.0	35.0	27.9	101.5
262	18.9	11.5	5.4	-0.1	56.6	24.1	116.4

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19-Oct-2020 16:29:19

Page: 15

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	6	9	12	15	18	21
	263	227.7	243.5	257.9	261.0	278.9	312.8	323.2
264	268.4	295.2	301.6	303.5	316.3	346.3	368.7
265	250.4	270.8	284.3	285.6	304.2	343.9	364.1
266	249.8	267.2	276.3	281.1	297.4	331.1	369.7
45	236.8	256.1	266.4	262.0	282.2	316.2	348.7
46	296.3	310.6	313.9	322.3	335.0	377.9	411.1
47	228.5	246.7	258.7	264.8	273.3	306.0	335.7
48	237.7	252.1	263.2	257.7 ¹ 2	270.0	284.9	311.4
49	243.4	265.3	281.6	283.2 ¹ 2	294.1	324.2	359.0
50	220.9	235.0	243.8	246.2	253.2	276.9	300.4
51	269.8	283.5	299.2	303.5	313.2	357.2	394.2
52	232.1	253.5	268.9	273.5	292.2	334.4	368.7
53	221.5	237.5	249.9	261.0	270.0	321.1	356.8
54	237.1	257.1	269.3	279.5	290.9	315.1	356.0
55	252.0	270.5	281.8	288.6	297.2	331.9	356.8
56 NP	283.8 ^E 1	320.2 ^E 1	333.6 ^E 1	338.1 ^E 1	322.7 ^E 1 ³	323.3 ^E 1	310.2 ^E 1
57	219.7	247.4	261.1	271.0	284.3	324.1	356.3
58	240.0	263.0	273.4	275.1	288.3	324.5	343.9

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19-Oct-2020 16:29:19

Page: 16

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	263	15.8	14.4	3.1	17.9	33.9	10.4	95.5
264	26.8	6.4	1.9	12.8	30.0	22.4	100.3
265	20.4	13.5	1.3	18.6	39.7	20.2	113.7
266	17.4	9.1	4.8	16.3	33.7	38.6	119.9
45	19.3	10.3	-4.4	20.2	34.0	32.5	111.9
46	14.3	3.3	8.4	12.7	42.9	33.2	114.8
47	18.2	12.0	6.1	8.5	32.7	29.7	107.2
48	14.4	11.1	-5.5	12.3	14.9	26.5	73.7
49	21.9	16.3	1.6	10.9	30.1	34.8	115.6
50	14.1	8.8	2.4	7.0	23.7	23.5	79.5
51	13.7	15.7	4.3	9.7	44.0	37.0	124.4
52	21.4	15.4	4.6	18.7	42.2	34.3	136.6
53	16.0	12.4	11.1	9.0	51.1	35.7	135.3
54	20.0	12.2	10.2	11.4	24.2	40.9	118.9
55	18.5	11.3	6.8	8.6	34.7	24.9	104.8
56 NP	36.4 E ¹	13.4 E ¹	4.5 E ¹	-15.4 E ¹	0.6 E ¹	-13.1 E ¹	26.4 E ¹
57	27.7	13.7	9.9	13.3	39.8	32.2	136.6
58	23.0	10.4	1.7	13.2	36.2	19.4	103.9

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Provantis

19-Oct-2020 16:29:19

Page: 17

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	6	9	12	15	18	21
	59	250.8	269.9	281.6	291.0	304.8	339.8	359.9
60	241.3	260.3	269.3	275.0	288.8	320.9	346.4
61	242.3	263.2	271.9	277.0	300.2	332.3	368.7
62	241.1	253.2	258.9	270.8	280.2	317.1	350.0
63	223.5	247.8	260.2	265.0	275.4	304.2	329.7
64	239.1	251.1	258.7	266.9	285.1	322.5	345.0
65	254.5	272.1	277.9	283.1	298.7	337.1	374.8
66	214.3	227.8	231.8	240.0	247.6	275.8	307.3
Mean	241.23	261.16	270.42	276.13	290.04	325.33	350.15
SD	19.34	18.67	19.10	18.87	21.19	25.07	31.12
N	42	42	42	42	42	42	42
%Diff	-0.03	0.05	0.17	-2.61	-2.25	-1.97	-4.32

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Provantis

19-Oct-2020 16:29:19

Page: 18

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	59	19.1	11.7	9.4	13.8	35.0	20.1	109.1
60	19.0	9.0	5.7	13.8	32.1	25.5	105.1
61	20.9	8.7	5.1	23.2	32.1	36.4	126.4
62	12.1	5.7	11.9	9.4	36.9	32.9	108.9
63	24.3	12.4	4.8	10.4	28.8	25.5	106.2
64	12.0	7.6	8.2	18.2	37.4	22.5	105.9
65	17.6	5.8	5.2	15.6	38.4	37.7	120.3
66	13.5	4.0	8.2	7.6	28.2	31.5	93.0
Mean	19.94	9.26	5.70	13.91	35.29	24.82	108.93
SD	5.40	4.37	4.16	6.22	7.81	22.27	22.08
N	42	42	42	42	42	42	42
%Diff	0.95	3.71	-57.89	5.37	0.38	-27.20	-12.64

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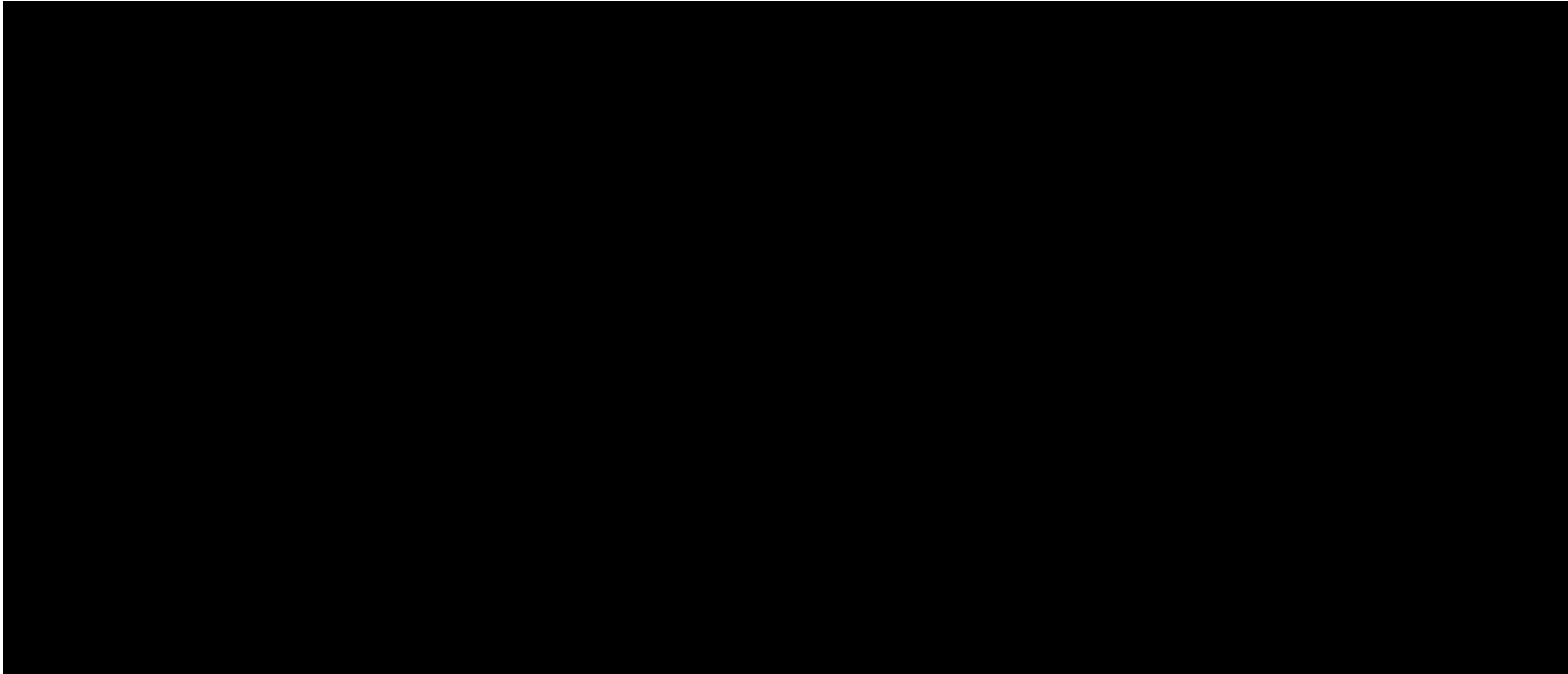
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Page: 19

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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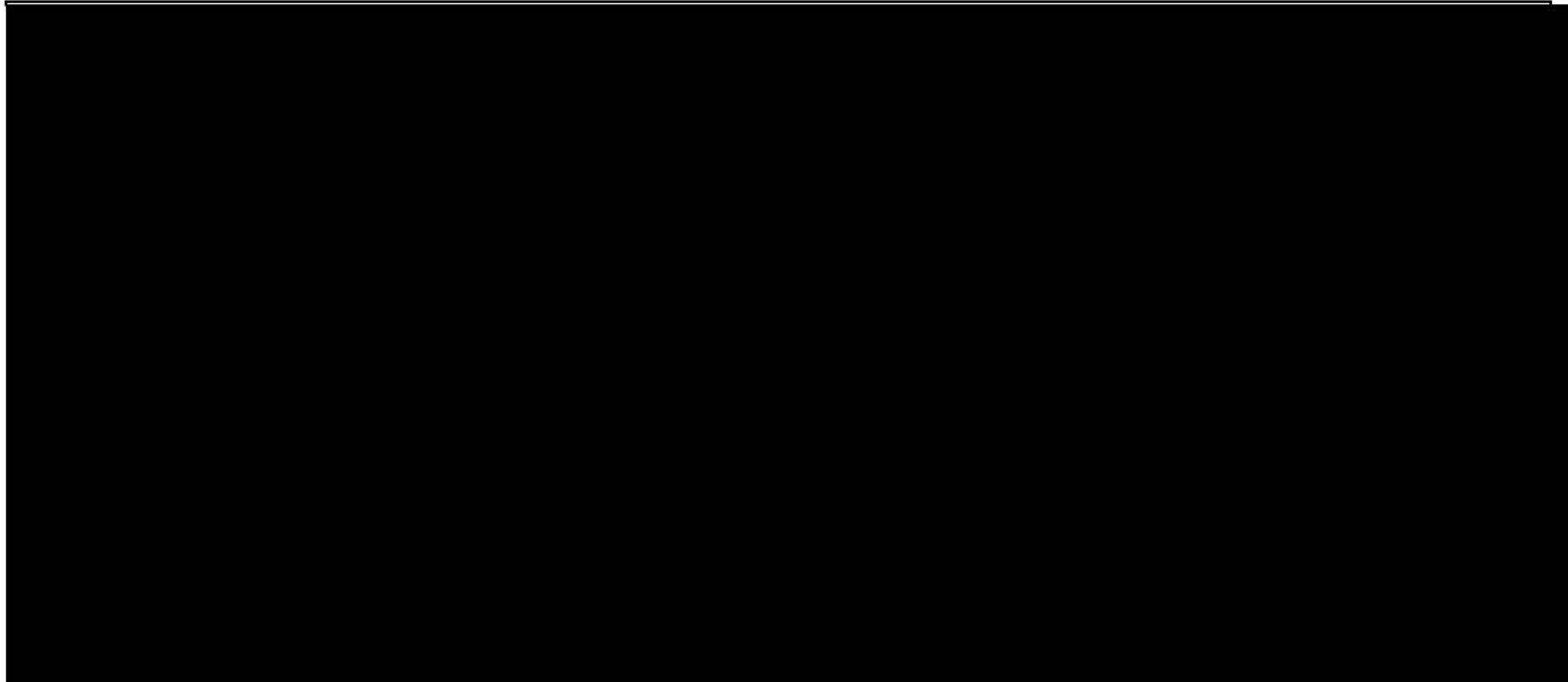
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Page: 20

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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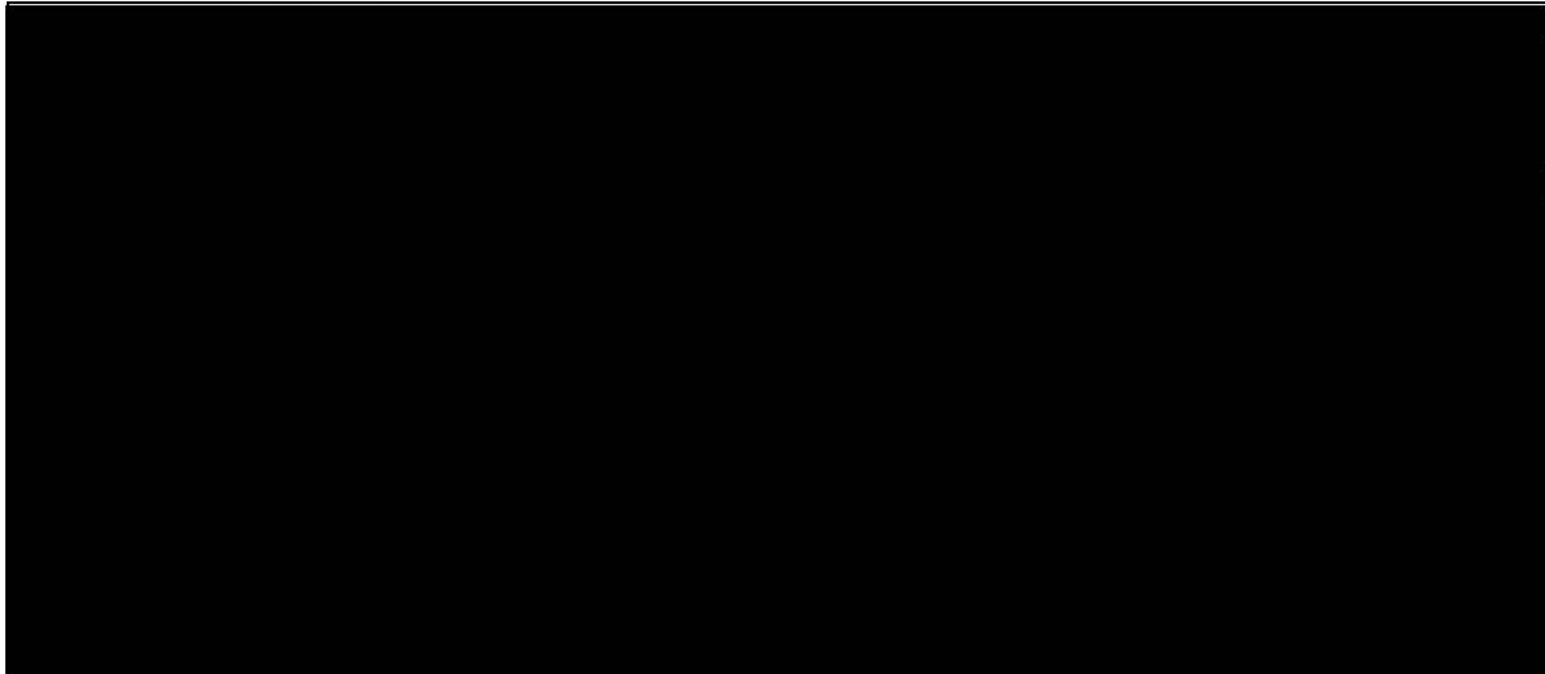
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Page: 21

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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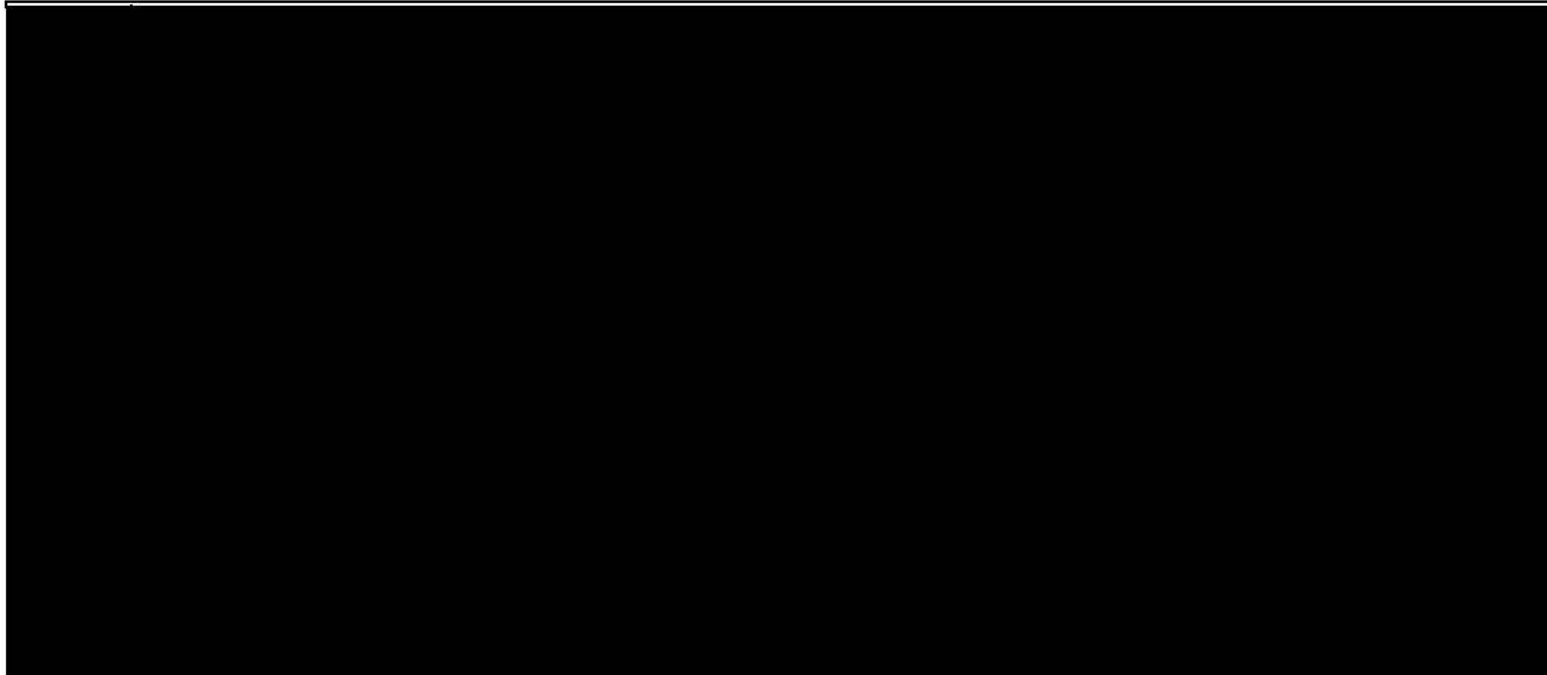
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Page: 22

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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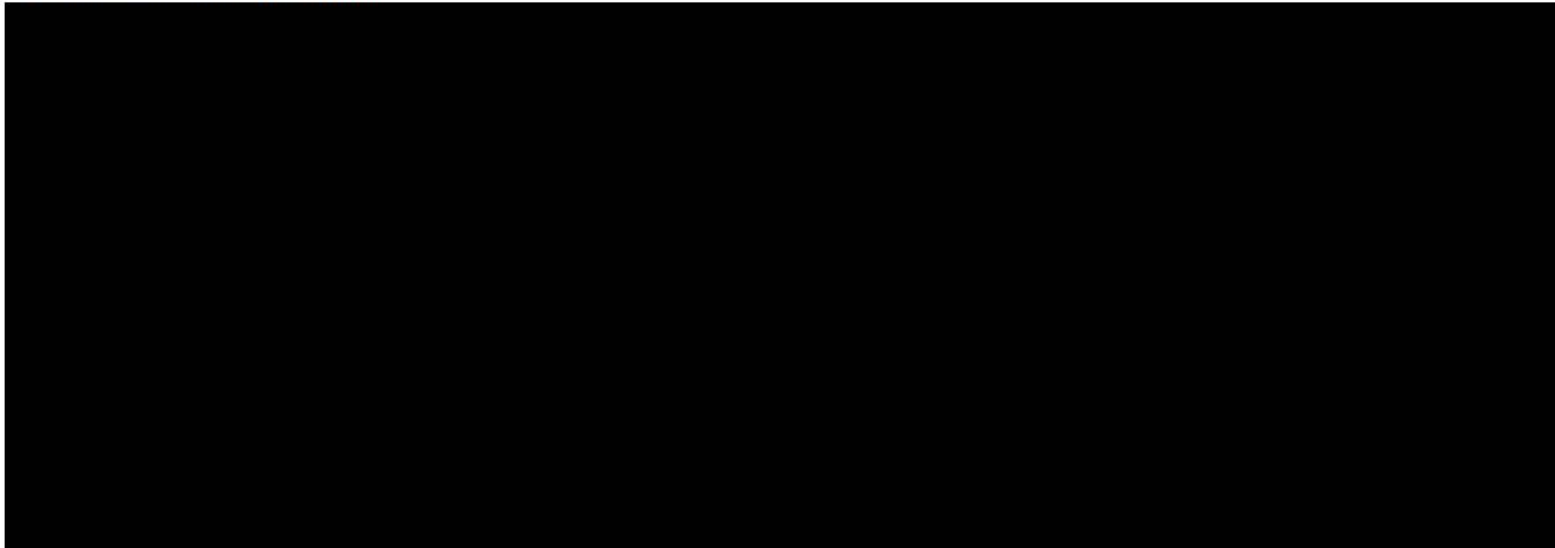
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Page: 23

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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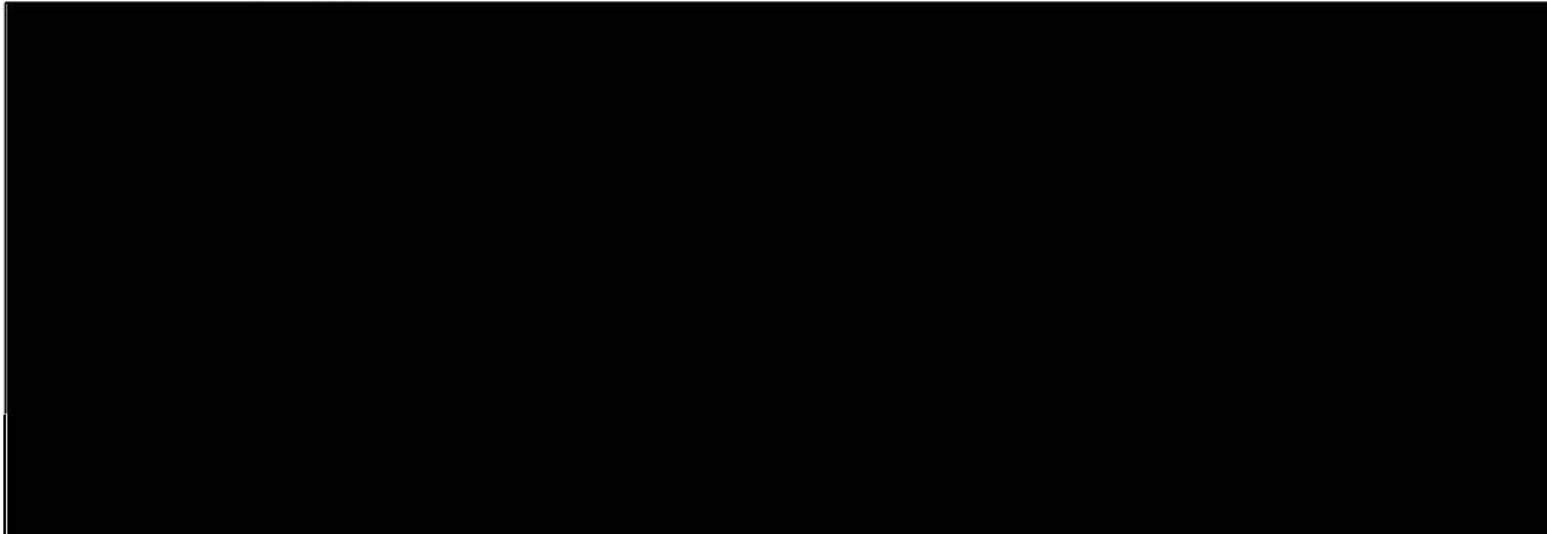
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Page: 24

Individual Gestation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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19-Oct-2020 16:13:28

Page: 1

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	1	4	7	10	14	17
	201	-	240.7	255.0	261.8	275.7	281.4	275.6
202	-	263.1	288.0	294.2	307.1	310.7	298.7
203	-	254.1	267.4	271.7	282.0	290.7	282.0
204	-	242.8	264.6	283.8	297.3	297.2	301.9
205	-	210.4	248.2	259.0	267.3	278.2	276.8
206	-	237.0	266.2	282.0	290.5	300.4	307.9
207	-	240.1	249.6	260.4	267.4	274.6	283.5
208	344.1	243.0 ¹	263.3	271.5	280.3	284.2	285.6
209	-	231.8	244.8	255.0	268.8	270.3	264.8
210	-	275.5	295.9	306.6	322.0	321.9	325.4
211	-	259.1	271.2	279.8	291.8	293.4	292.6
212	-	231.8	275.2	288.9	297.7	305.1	298.3
213	-	261.3	280.9	293.9	300.0	307.5	301.2
214	-	219.2	252.6	269.4	280.2	283.9	285.3
215	-	305.9	315.3	319.8	328.9	335.7	326.2 ¹
216	-	278.5	301.7	310.7	319.8	326.3	326.6
217	-	260.3	283.7	296.0	292.0	300.5	310.7
218	-	273.3	288.6	291.3	303.3	306.6	304.3

¹ [RC:Verified value]

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19-Oct-2020 16:13:28

Page: 2

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Body Weight	Body Weight	Body Weight	Body Weight	Body Weight	Body Weight	Body Weight
	(g)	Change	Change	Change	Change	Change	Change
	(g)	(g)	(g)	(g)	(g)	(g)	(g)
	21	1-4	4-7	7-10	10-14	14-17	17-21
201	264.8	14.3	6.8	13.9	5.7	-5.8	-10.8
202	296.3	24.9	6.2	12.9	3.6	-12.0	-2.4
203	272.3	13.3	4.3	10.3	8.7	-8.7	-9.7
204	277.5 ! ¹	21.8	19.2	13.5	-0.1	4.7	-24.4
205	264.8	37.8	10.8	8.3	10.9	-1.4	-12.0
206	300.5	29.2	15.8	8.5	9.9	7.5	-7.4
207	260.4	9.5	10.8	7.0	7.2	8.9	-23.1
208	279.7	20.3	8.2	8.8	3.9	1.4	-5.9
209	262.0	13.0	10.2	13.8	1.5	-5.5	-2.8
210	303.5 ! ¹	20.4	10.7	15.4	-0.1	3.5	-21.9
211	283.1	12.1	8.6	12.0	1.6	-0.8	-9.5
212	296.5	43.4	13.7	8.8	7.4	-6.8	-1.8
213	292.4	19.6	13.0	6.1	7.5	-6.3	-8.8
214	261.8 ! ¹	33.4	16.8	10.8	3.7	1.4	-23.5
215	302.9	9.4	4.5	9.1	6.8	-9.5	-23.3
216	308.6	23.2	9.0	9.1	6.5	0.3	-18.0
217	297.0	23.4	12.3	-4.0	8.5	10.2	-13.7
218	301.7	15.3	2.7	12.0	3.3	-2.3	-2.6

¹ [RC:Verified value]

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19-Oct-2020 16:13:28

Page: 3

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Body Weight Change (g)
	1-21
201	24.1
202	33.2
203	18.2
204	34.7
205	54.4
206	63.5
207	20.3
208	36.7
209	30.2
210	28.0
211	24.0
212	64.7
213	31.1
214	42.6
215	-3.0
216	30.1
217	36.7
218	28.4

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19-Oct-2020 16:13:28

Page: 4

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	1	4	7	10	14	17
219	-	242.0	284.4	292.1	307.0	322.6	312.3
220	-	306.7	329.1	334.0	340.2	341.4	336.6
221	-	331.1	345.3	353.6	356.2	361.8	359.7
222	-	267.6	291.1	303.9	299.4	322.1	322.0
Mean	344.10	257.97	280.10	289.97	298.86	305.30	303.55
SD	-	29.31	26.24	24.89	23.50	23.50	22.84
N	1	22	22	22	22	22	22

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19-Oct-2020 16:13:28

Page: 5

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Body Weight (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	21	1-4	4-7	7-10	10-14	14-17	17-21
219	302.4	42.4	7.7	14.9	15.6	-10.3	-9.9
220	328.1	22.4	4.9	6.2	1.2	-4.8	-8.5
221	343.4	14.2	8.3	2.6	5.6	-2.1	-16.3
222	303.2	23.5	12.8	-4.5	22.7	-0.1	-18.8
Mean	291.04	22.13	9.88	8.89	6.44	-1.75	-12.50
SD	21.86	9.92	4.27	5.32	5.28	6.22	7.56
N	22	22	22	22	22	22	22

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19-Oct-2020 16:13:28

Page: 6

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Body Weight Change (g)
	1-21
219	60.4
220	21.4
221	12.3
222	35.6
Mean	33.07
SD	16.53
N	22

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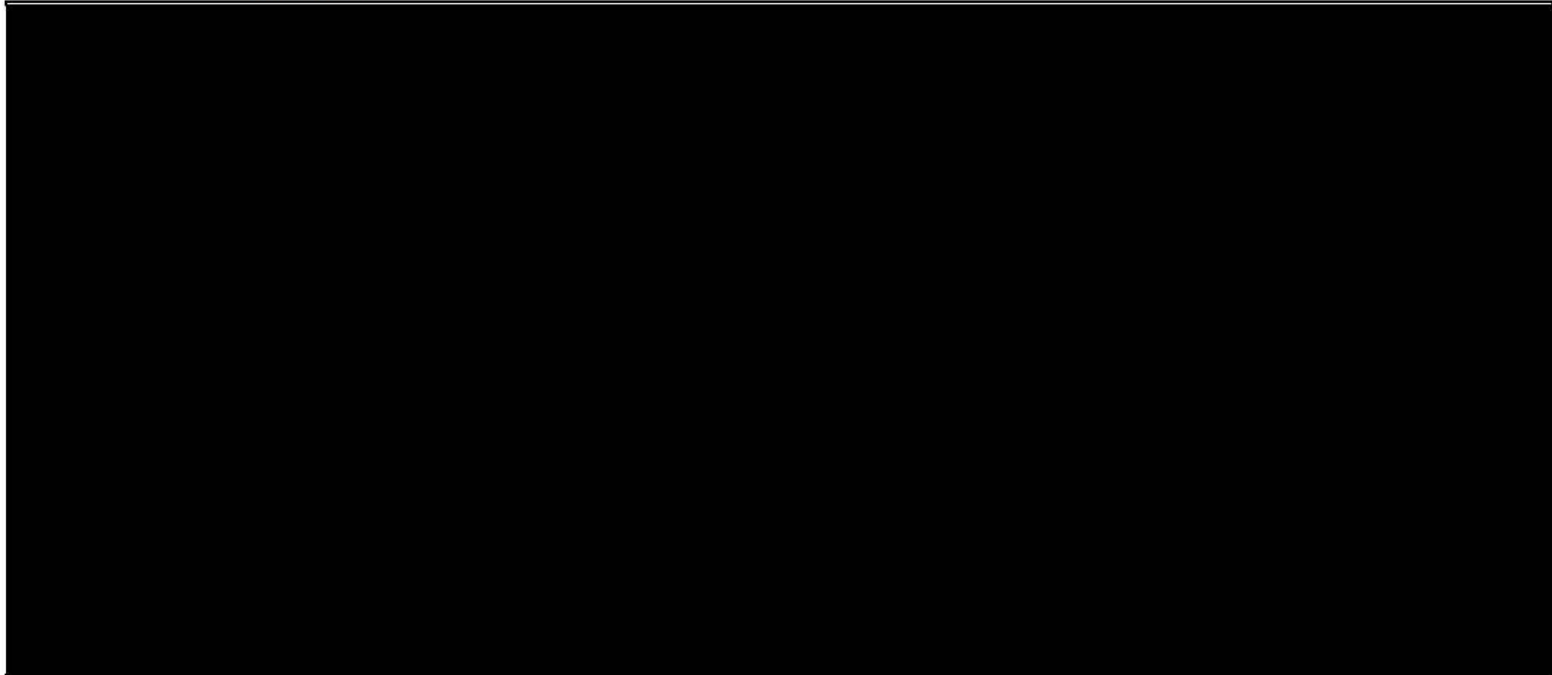
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Page: 7

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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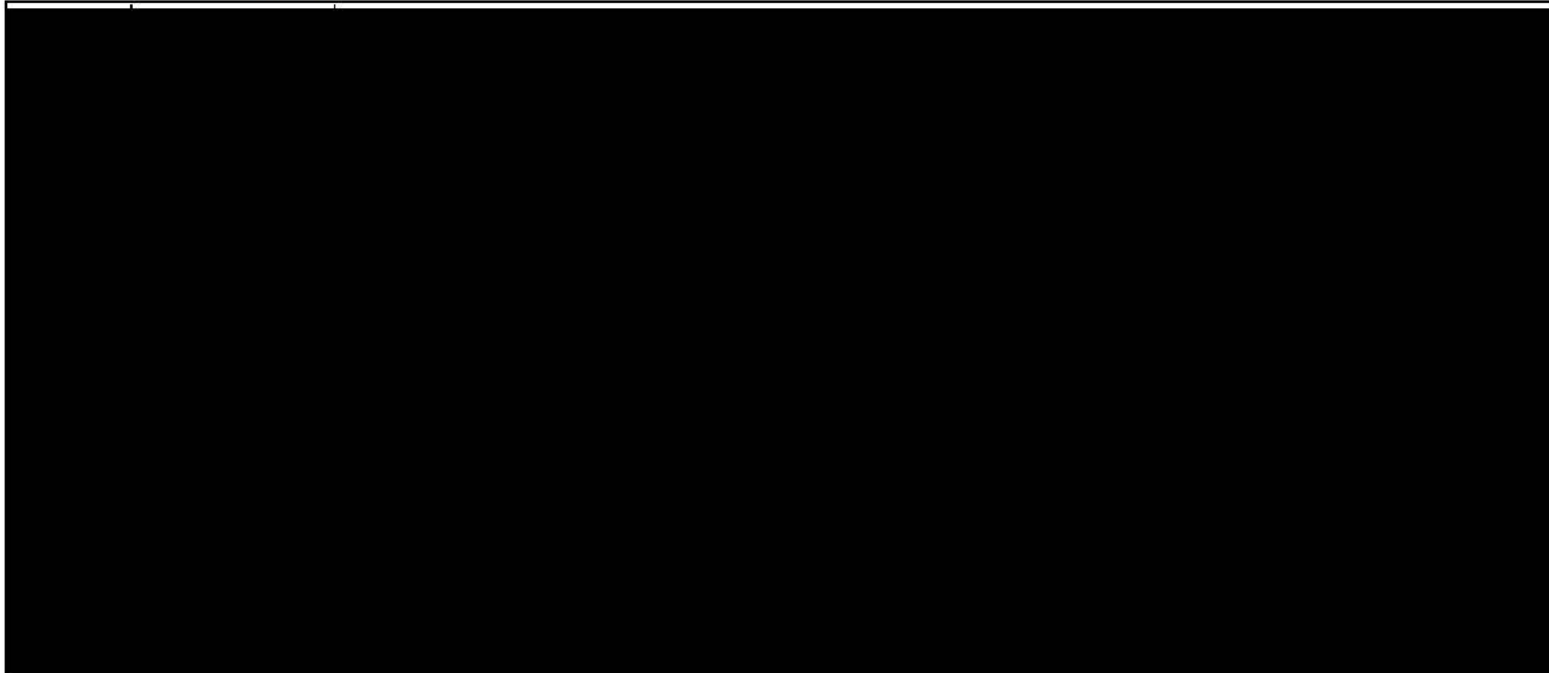
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Page: 8

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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Page: 9

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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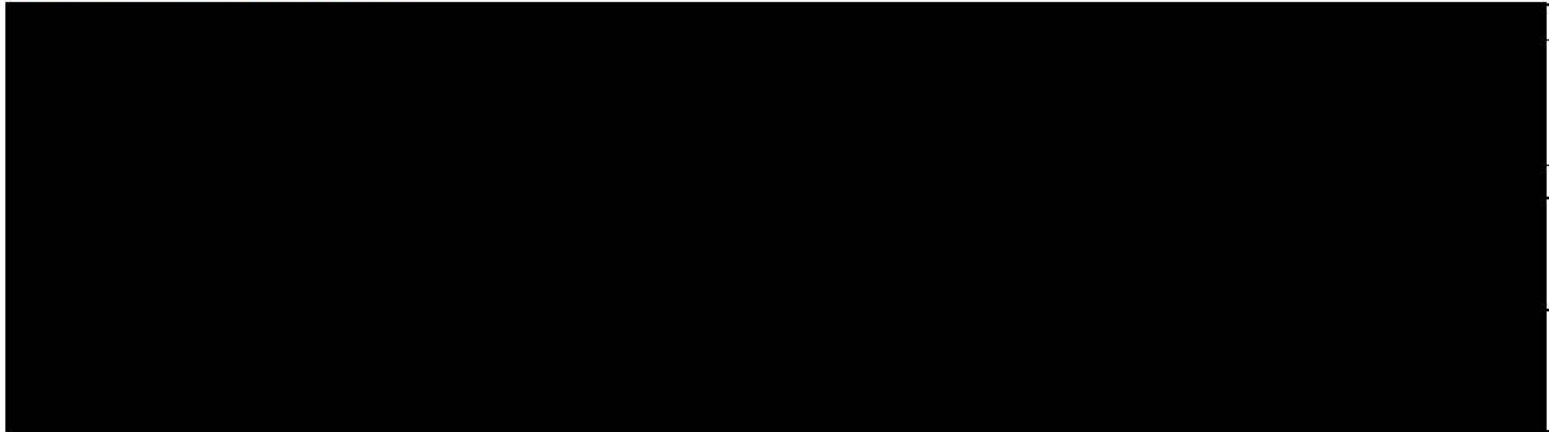
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Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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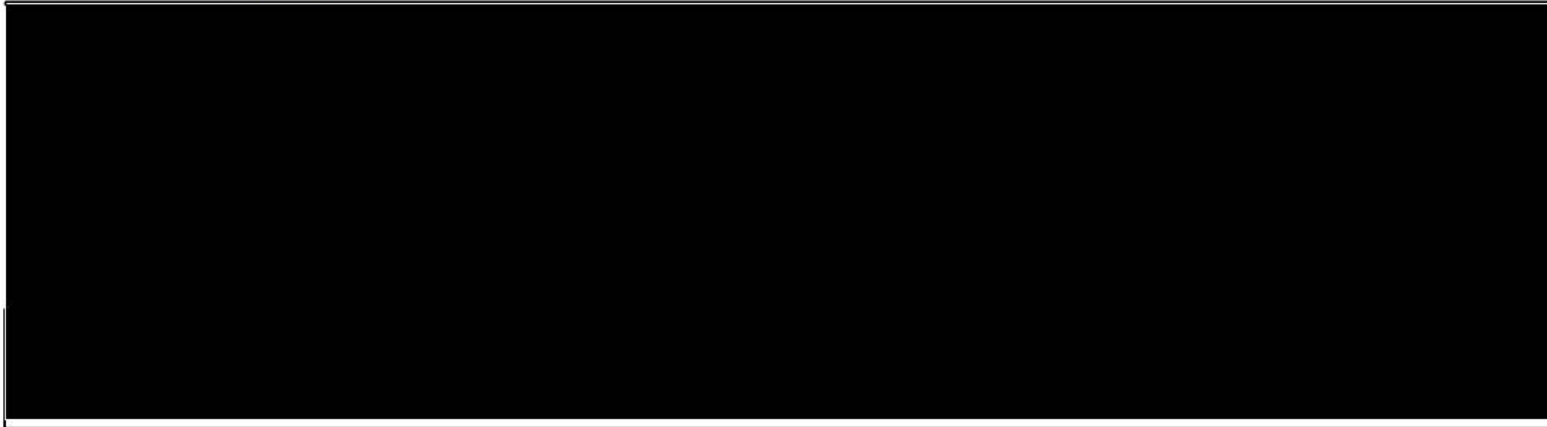
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Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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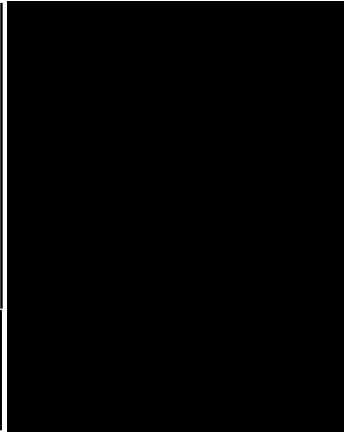
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Page: 12

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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Provantis

19-Oct-2020 16:13:28

Page: 13

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	1	4	7	10	14	17
	245	-	255.3	291.2	295.7	308.9	300.4	293.8
246	-	239.4	278.2	278.7	293.5	298.5	288.5
247	-	266.4	275.0	293.2	291.4	301.3	294.6
248	-	253.0	266.4	277.7	292.1	297.5	306.3
249	-	246.5	271.1	283.2	291.9	303.4	310.1
250	-	238.4	252.6	263.2	274.2	279.1	280.0
251	-	306.7	305.8	319.2	326.1	331.1	334.8
252	-	275.2	297.2	302.9	315.5	321.1	323.9
253	-	248.8	267.4	291.9	296.3	310.4	312.0
254 NP	- E ¹	- E ¹	- E ¹	- E ¹	- E ¹	- E ¹	- E ¹
255	-	241.8	256.1	265.3	267.1	264.5	270.1
256	-	261.3	290.4	304.5	305.7	317.5	327.5
257	-	276.1	299.2	309.6	312.0	327.7	313.7
258	-	272.5	297.1	310.6	320.5	325.8	323.5
259	-	233.9	249.9	262.3	277.3	272.9	281.7
260	-	266.3	284.3	297.0	295.1	311.0	299.3
261	-	237.9	264.4	277.2	277.2	280.4	278.9
262	-	261.1	276.4	290.4	288.0	306.8	311.8

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19-Oct-2020 16:13:28

Page: 14

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Body Weight	Body Weight	Body Weight	Body Weight	Body Weight	Body Weight	Body Weight
	(g)	Change	Change	Change	Change	Change	Change
	(g)	(g)	(g)	(g)	(g)	(g)	(g)
	21	1-4	4-7	7-10	10-14	14-17	17-21
245	281.7	35.9	4.5	13.2	-8.5	-6.6	-12.1
246	291.1	38.8	0.5	14.8	5.0	-10.0	2.6
247	287.2	8.6	18.2	-1.8	9.9	-6.7	-7.4
248	293.5	13.4	11.3	14.4	5.4	8.8	-12.8
249	291.7	24.6	12.1	8.7	11.5	6.7	-18.4
250	278.4	14.2	10.6	11.0	4.9	0.9	-1.6
251	329.9	-0.9	13.4	6.9	5.0	3.7	-4.9
252	303.5	22.0	5.7	12.6	5.6	2.8	-20.4
253	296.7 ^{!1}	18.6	24.5	4.4	14.1	1.6	-15.3
254 NP	- E ²	. E ²	. E ²	. E ²	. E ²	. E ²	. E ²
255	263.8	14.3	9.2	1.8	-2.6	5.6	-6.3
256	307.0	29.1	14.1	1.2	11.8	10.0	-20.5
257	310.8	23.1	10.4	2.4	15.7	-14.0	-2.9
258	303.9	24.6	13.5	9.9	5.3	-2.3	-19.6
259	270.9	16.0	12.4	15.0	-4.4	8.8	-10.8
260	287.2	18.0	12.7	-1.9	15.9	-11.7	-12.1
261	273.5	26.5	12.8	0.0	3.2	-1.5	-5.4
262	295.2	15.3	14.0	-2.4	18.8	5.0	-16.6

1 [RC:Verified value]

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19-Oct-2020 16:13:28

Page: 15

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Body Weight Change (g)
	1-21
245	26.4
246	51.7
247	20.8
248	40.5
249	45.2
250	40.0
251	23.2
252	28.3
253	47.9
254 NP	. E ¹
255	22.0
256	45.7
257	34.7
258	31.4
259	37.0
260	20.9
261	35.6
262	34.1

1 [E, Exclude]

Provantis

19-Oct-2020 16:13:28

Page: 16

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)	Body Weight (g)
	0	1	4	7	10	14	17
263	323.2	229.1	256.9	270.9	274.0	296.2	295.1
264	-	283.1	310.0	318.0	328.9	334.2	325.3
265	-	235.0	278.3	288.4	294.9	305.1	303.6
266	-	276.8	287.5	296.6	297.0	305.2	307.9
Mean	323.20	257.36	278.83	290.31	296.55	304.29	303.92
SD	-	19.91	17.71	17.19	17.47	18.86	17.88
N	1	21	21	21	21	21	21
%Diff	-6.07	-0.24	-0.45	0.12	-0.77	-0.33	0.12

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19-Oct-2020 16:13:28

Page: 17

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Body Weight (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)	Body Weight Change (g)
	21	1-4	4-7	7-10	10-14	14-17	17-21
263	290.2	27.8	14.0	3.1	22.2	-1.1	-4.9
264	315.2 ¹	26.9	8.0	10.9	5.3	-8.9	-10.1
265	287.6	43.3	10.1	6.5	10.2	-1.5	-16.0
266	300.4	10.7	9.1	0.4	8.2	2.7	-7.5
Mean	293.30	21.47	11.48	6.24	7.74	-0.37	-10.62
SD	15.56	10.49	4.88	6.01	7.51	7.06	6.62
N	21	21	21	21	21	21	21
%Diff	0.78	-2.99	16.24	-29.75	20.22	-79.05	-15.08

¹ [RC:Verified value]

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19-Oct-2020 16:13:28

Page: 18

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Body Weight Change (g)
	1-21
263	61.1
264	32.1
265	52.6
266	23.6
Mean	35.94
SD	11.57
N	21
%Diff	8.68

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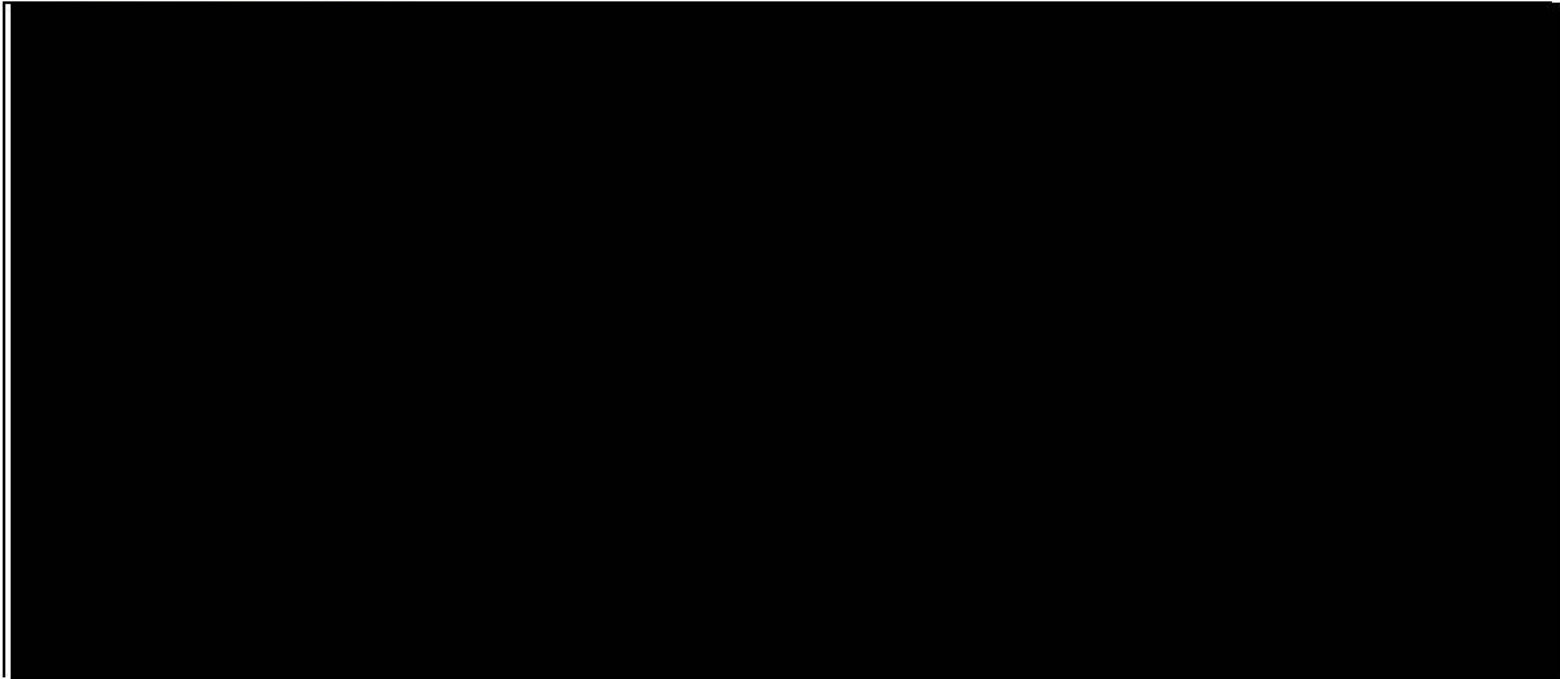
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Page: 19

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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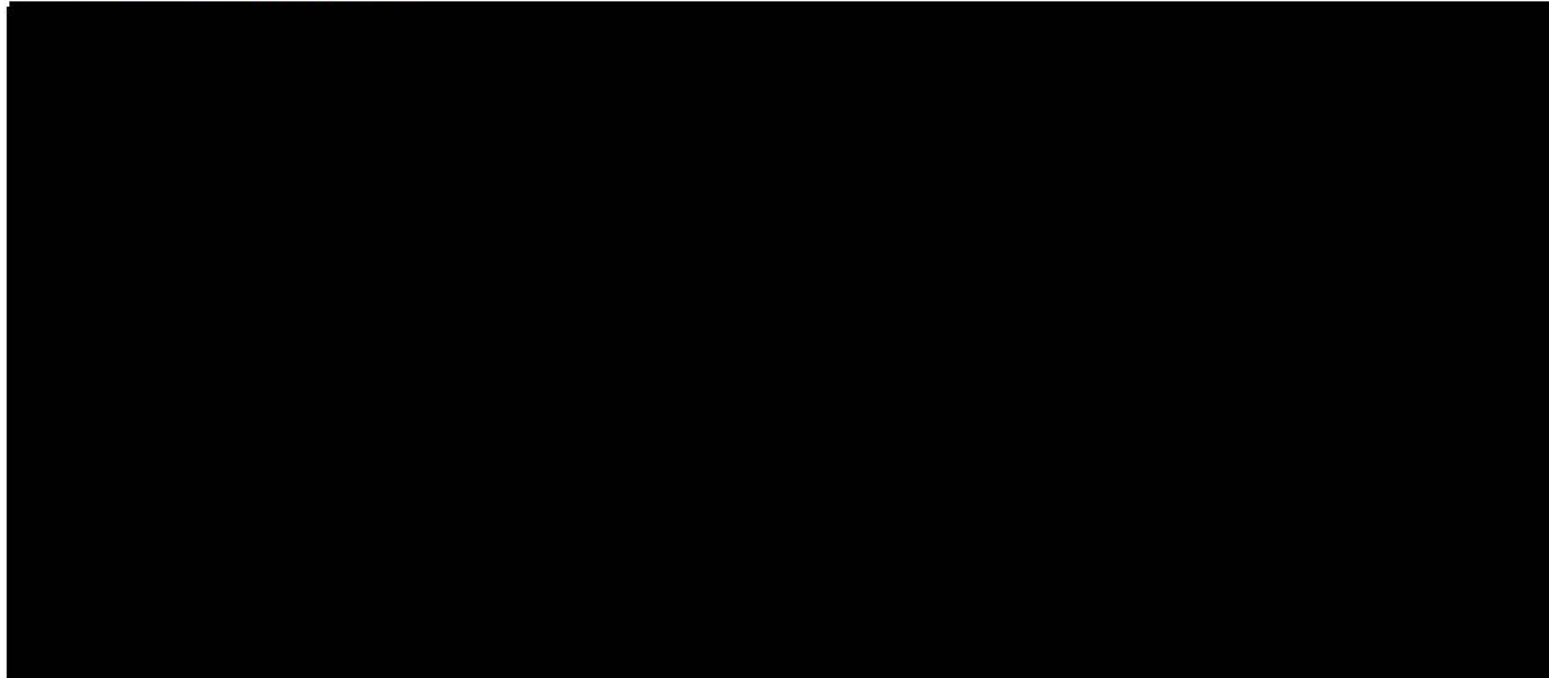
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Page: 20

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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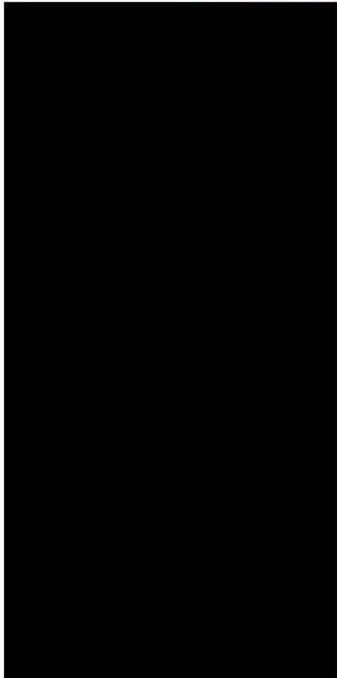
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Page: 21

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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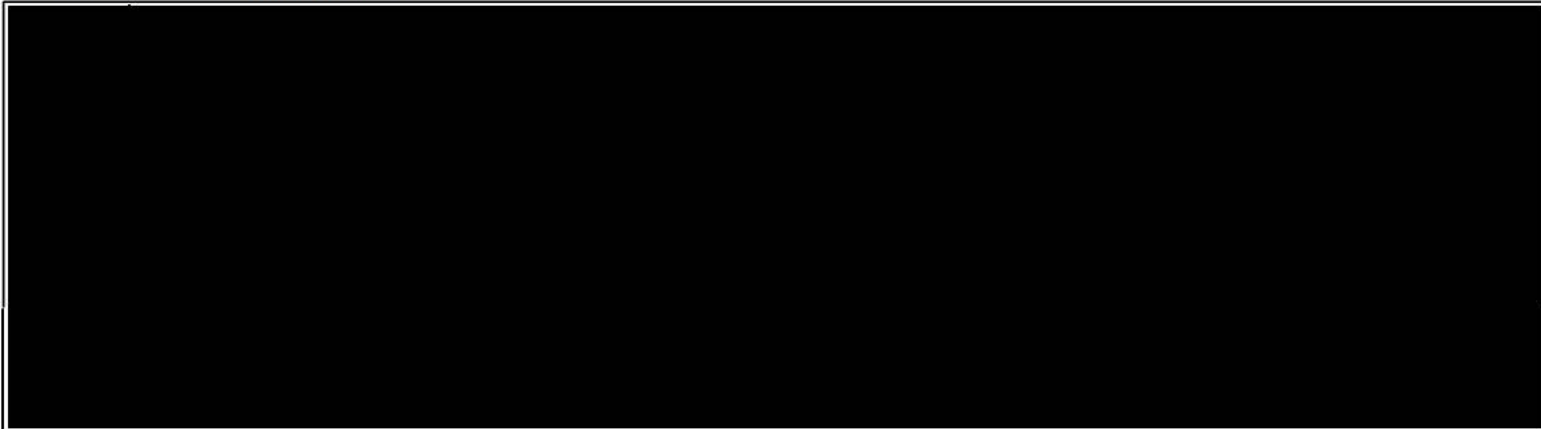
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Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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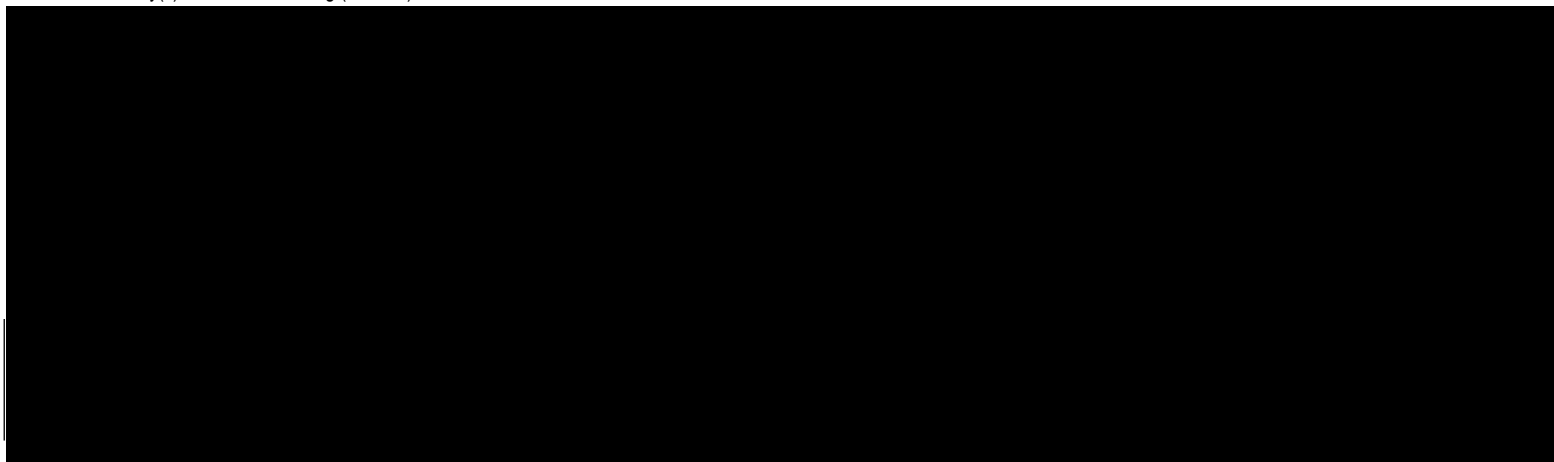
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Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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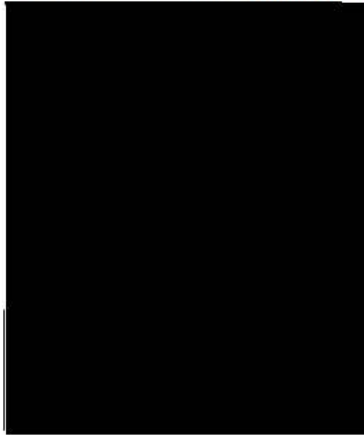
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Page: 24

Individual Lactation Body Weight and Body Weight Change

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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19-Oct-2020 16:12:40

Page: 1

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Food Consumption (g/animal/day)			
	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-8	8-15	15-22	1-22
201	17.1	18.6	18.5	18.1
202	17.1	18.6	18.5	18.1
203	17.1	18.6	18.5	18.1
204	17.1	18.6	18.5	18.1
205	17.1	18.6	18.5	18.1
206	17.4	19.3	17.7	18.1
207	17.4	19.3	17.7	18.1
208	17.4	19.3	17.7	18.1
209	17.4	19.3	17.7	18.1
210	17.4	19.3	17.7	18.1
211	18.3	19.9	18.4	18.9
212	18.3	19.9	18.4	18.9
213	18.3	19.9	18.4	18.9
214	18.3	19.9	18.4	18.9
215	18.3	19.9	18.4	18.9
216	17.5	20.8	19.4	19.2
217	17.5	20.8	19.4	19.2
218	17.5	20.8	19.4	19.2

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19-Oct-2020 16:12:40

Page: 2

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Day(s) Relative to Start Date			
	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-8	8-15	15-22	1-22
219	17.5	20.8	19.4	19.2
220	20.4	22.8	20.3	21.2
221	20.4	22.8	20.3	21.2
222	20.4	22.8	20.3	21.2
1	16.5	17.2	17.0	16.9
2	16.5	17.2	17.0	16.9
3	16.5	17.2	17.0	16.9
4	16.5	17.2	17.0	16.9
5	16.5	17.2	17.0	16.9
6	20.3	17.5	18.0	18.6
7	20.3	17.5	18.0	18.6
8	20.3	17.5	18.0	18.6
9	20.3	17.5	18.0	18.6
10	20.3	17.5	18.0	18.6
11	18.6	16.6	16.3	17.2
12	18.6	16.6	16.3	17.2
13	18.6	16.6	16.3	17.2
14	18.6	16.6	16.3	17.2

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19-Oct-2020 16:12:40

Page: 3

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date

Control 0mcg	Day(s) Relative to Start Date			
	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-8	8-15	15-22	1-22
15	18.6	16.6	16.3	17.2
16	19.7	17.3	17.9	18.3
17	19.7	17.3	17.9	18.3
18	19.7	17.3	17.9	18.3
19	19.7	17.3	17.9	18.3
20	20.8	19.1	18.7	19.5
21	20.8	19.1	18.7	19.5
22	20.8	19.1	18.7	19.5
Mean	18.49	18.73	18.09	18.43
SD	1.44	1.71	1.03	1.08
N	44	44	44	44

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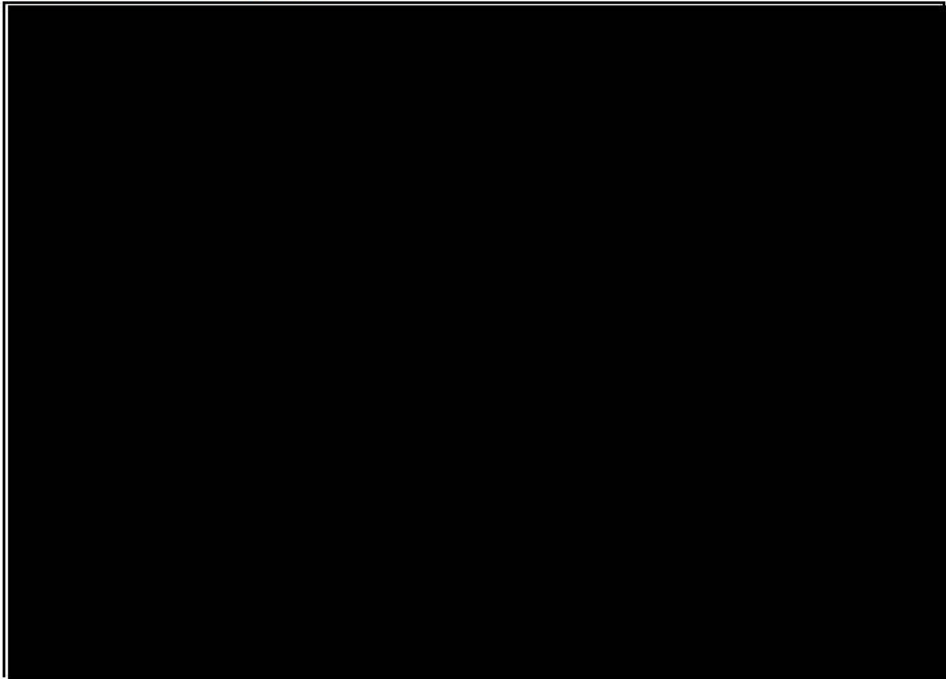
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Page: 4

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date



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Provantis

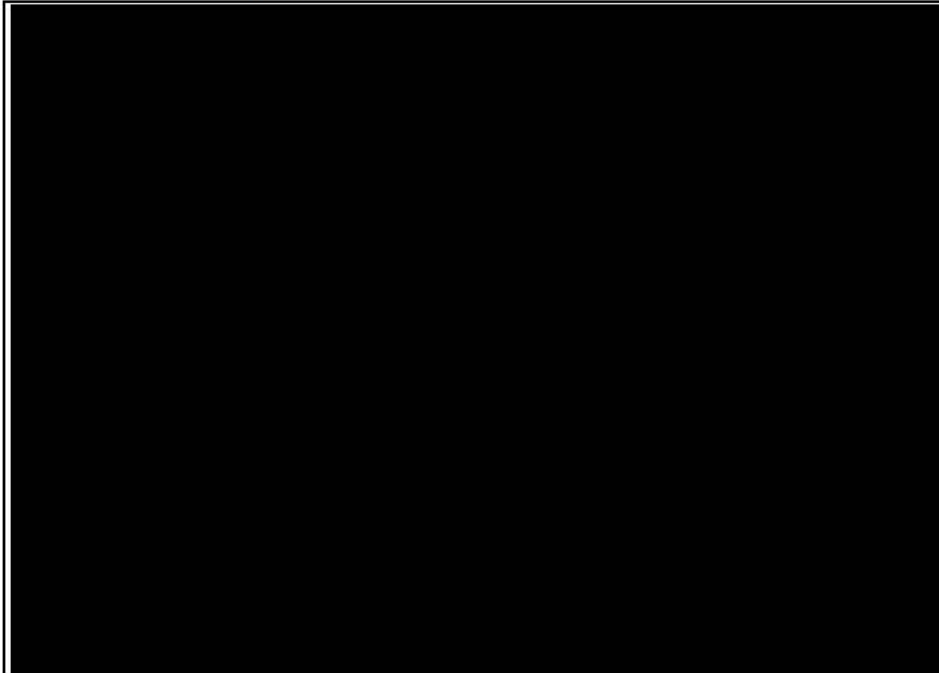
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Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date



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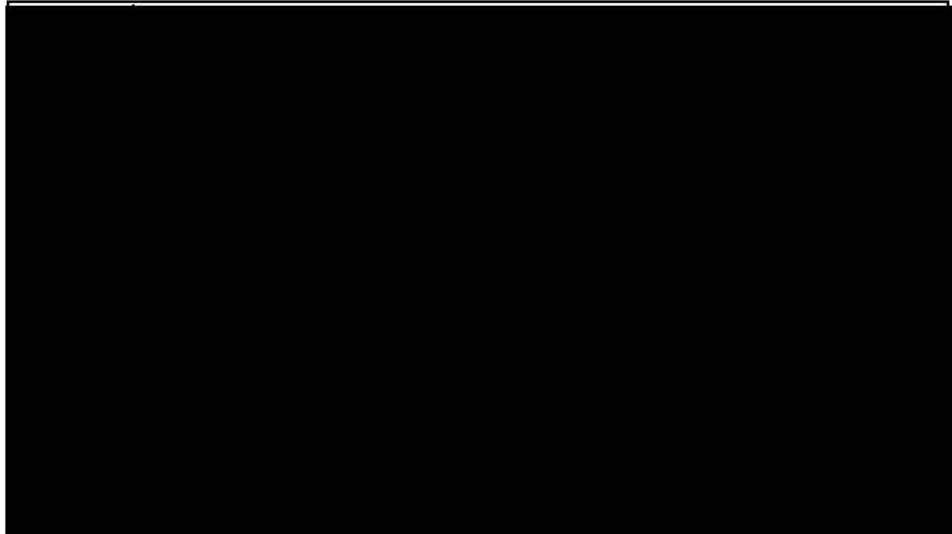
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Page: 6

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date



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Provantis

19-Oct-2020 16:12:40

Page: 7

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Day(s) Relative to Start Date			
	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-8	8-15	15-22	1-22
245	15.5	19.3	21.2	18.7
246	15.5	19.3	21.2	18.7
247	15.5	19.3	21.2	18.7
248	15.5	19.3	21.2	18.7
249	15.5	19.3	21.2	18.7
250	16.0	18.0	19.0	17.7
251	16.0	18.0	19.0	17.7
252	16.0	18.0	19.0	17.7
253	16.0	18.0	19.0	17.7
254	16.0	18.0	19.0	17.7
255	16.3	18.9	19.1	18.1
256	16.3	18.9	19.1	18.1
257	16.3	18.9	19.1	18.1
258	16.3	18.9	19.1	18.1
259	16.3	18.9	19.1	18.1
260	16.9	18.0	18.3	17.7
261	16.9	18.0	18.3	17.7
262	16.9	18.0	18.3	17.7

CONFIDENTIAL

Provantis

19-Oct-2020 16:12:40

Page: 8

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Food Consumption (g/animal/day)			
	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-8	8-15	15-22	1-22
263	16.9	18.0	18.3	17.7
264	19.4	20.9	20.0	20.1
265	19.4	20.9	20.0	20.1
266	19.4	20.9	20.0	20.1
45	17.9	16.6	19.5	18.0
46	17.9	16.6	19.5	18.0
47	17.9	16.6	19.5	18.0
48	17.9	16.6	19.5	18.0
49	17.9	16.6	19.5	18.0
50	15.5	16.4	18.4	16.7
51	15.5	16.4	18.4	16.7
52	15.5	16.4	18.4	16.7
53	15.5	16.4	18.4	16.7
54	15.5	16.4	18.4	16.7
55	17.5	17.8	19.9	18.4
56	17.5	17.8	19.9	18.4
57	17.5	17.8	19.9	18.4
58	17.5	17.8	19.9	18.4

CONFIDENTIAL

Provantis

19-Oct-2020 16:12:40

Page: 9

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date

BNT162b2 30mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-8	8-15	15-22	1-22
	59	17.5	17.8	19.9	18.4
60	17.9	17.1	19.3	18.1
61	17.9	17.1	19.3	18.1
62	17.9	17.1	19.3	18.1
63	17.9	17.1	19.3	18.1
64	16.2	16.1	18.6	17.0
65	16.2	16.1	18.6	17.0
66	16.2	16.1	18.6	17.0
Mean	16.79	17.87	19.34	18.00
SD	1.15	1.32	0.86	0.82
N	44	44	44	44
%Diff	-9.17	-4.57	6.94	-2.34

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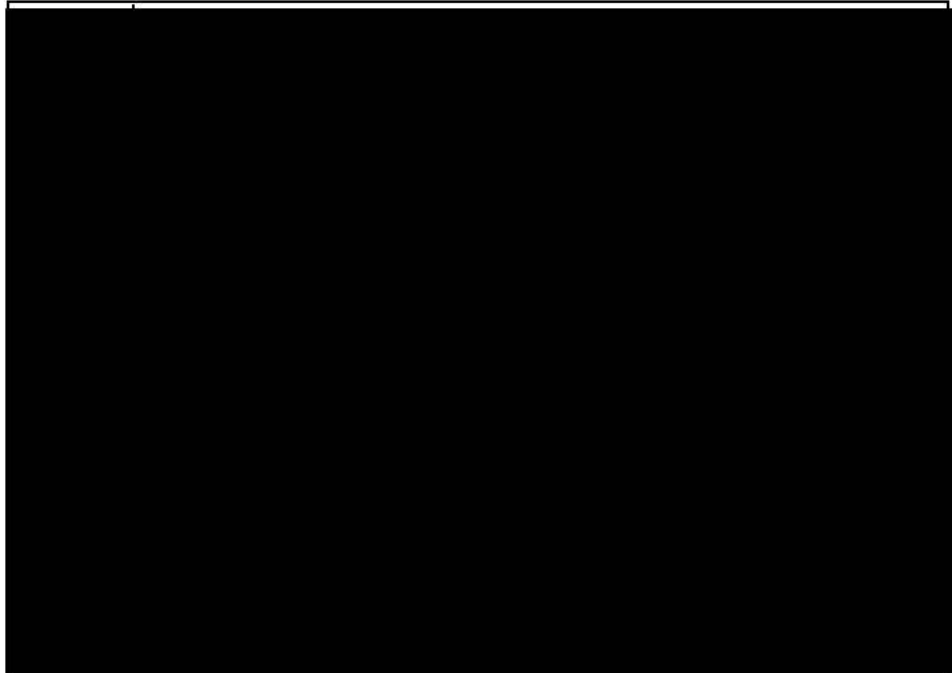
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Page: 10

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date



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19-Oct-2020 16:12:40

Page: 11

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date



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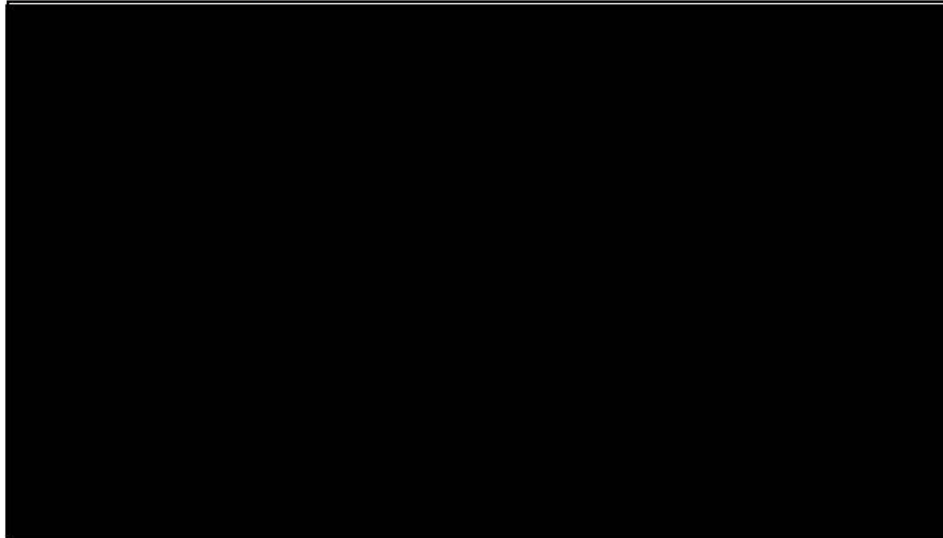
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Page: 12

Individual Pre-Mating Food Consumption of Females

20256434FC

Sex: Female Day(s) Relative to Start Date



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Provantis
 Individual Gestation Food Consumption

19-Oct-2020 16:42:13 Page: 1

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	201	17.2	20.0	22.3	24.0	40.1	20.2	23.0
202	17.9	20.1	22.5	21.6	25.6	25.0	21.5
203	18.0	22.1	23.2	24.1	24.7	23.2	21.9
204	19.4	24.4	25.4	25.1	27.4	19.7	23.0
205	17.4	19.6	20.4	22.9	26.2	19.1	20.4
206	21.0	21.7	22.7	21.7	25.5	22.4	22.3
207	13.4	15.7	18.7	18.2	19.3	19.0	16.8
208	16.6	17.7	19.5	19.4	22.9	19.4	18.9
209	17.4	18.6	19.7	20.3	22.0	21.2	19.5
210	19.6	21.5	23.3	22.7	24.4	23.6	22.1
211	20.9	22.3	21.4	23.4	25.2	23.1	22.4
212	24.1	26.7	25.4	23.5	27.9	16.5	24.0
213	19.2	20.1	22.5	22.7	23.2	24.2	21.6
214	17.7	20.9	21.1	21.9	23.5	21.4	20.6
215	22.4	23.7	24.9	25.1	29.7	25.3	24.8
216	21.4	23.1	23.5	24.9	26.8	24.0	23.6
217	20.2	20.8	20.4	23.0	22.8	23.5	21.5
218	19.4	19.8	22.5	21.9	27.6	26.2	22.4

CONFIDENTIAL

Provantis

19-Oct-2020 16:42:13

Page: 2

Individual Gestation Food Consumption

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Food Consumption (g/animal/day)						
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	219	20.2	21.2	24.4	23.6	28.0	22.1
220	25.1	26.5	30.0	27.7	33.5	28.9	28.1
221	23.0	25.4	27.2	30.1	32.4	30.0	27.3
222	21.7	23.5	26.2	22.9	25.9	25.2	23.9
1	15.5	19.3	20.4	19.6	21.6	22.2	19.2
2	20.2	21.9	22.7	22.7	23.5	21.6	21.8
3	21.8	25.5	23.8	23.4	22.9	25.4	23.5
4	21.6	22.2	27.8	22.1	25.5	26.0	23.8
5	20.3	21.4	22.2	23.1	24.0	22.7	22.0
6	18.7	19.8	22.4	22.3	23.5	25.4	21.5
7	21.6	21.8	26.3	23.0	25.7	26.5	23.8
8	20.2	24.4	24.6	24.5	24.0	24.8	23.2
9	23.2	23.0	23.5	24.0	25.6	25.8	24.0
10	21.7	21.5	23.8	22.1	24.4	23.9	22.7
11	16.7	17.3	19.7	20.9	24.6	24.5	20.1
12	20.7	22.4	21.6	24.2	24.3	24.7	22.6
13	16.5	18.2	19.4	19.4	21.2	20.8	18.9
14	17.0	17.6	18.2	20.3	20.2	21.4	18.8

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Provantis
 Individual Gestation Food Consumption

19-Oct-2020 16:42:13 Page: 3

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	15	18.9	21.5	23.1	25.2	26.5	26.9	23.0
16	17.3	20.8	21.6	22.4	23.0	22.2	20.7
17	20.5	22.9	25.7	25.1	25.7	23.1	23.3
18	23.8	25.5	26.2	25.6	25.6	23.7	24.9
19	15.7	17.2	18.9	22.3	23.3	21.6	19.3
20 NP	23.0 E ¹	22.6 E ¹	18.1 E ¹	18.2 E ¹	18.6 E ¹	19.1 E ¹	20.4 E ¹
21	23.0	25.7	24.3	24.5	25.9	23.9	24.3
22	18.6	21.7	23.6	24.2	24.1	26.4	22.4
Mean	19.69	21.56	22.95	23.06	25.33	23.41	22.24
SD	2.59	2.64	2.63	2.19	3.58	2.71	2.21
N	43	43	43	43	43	43	43

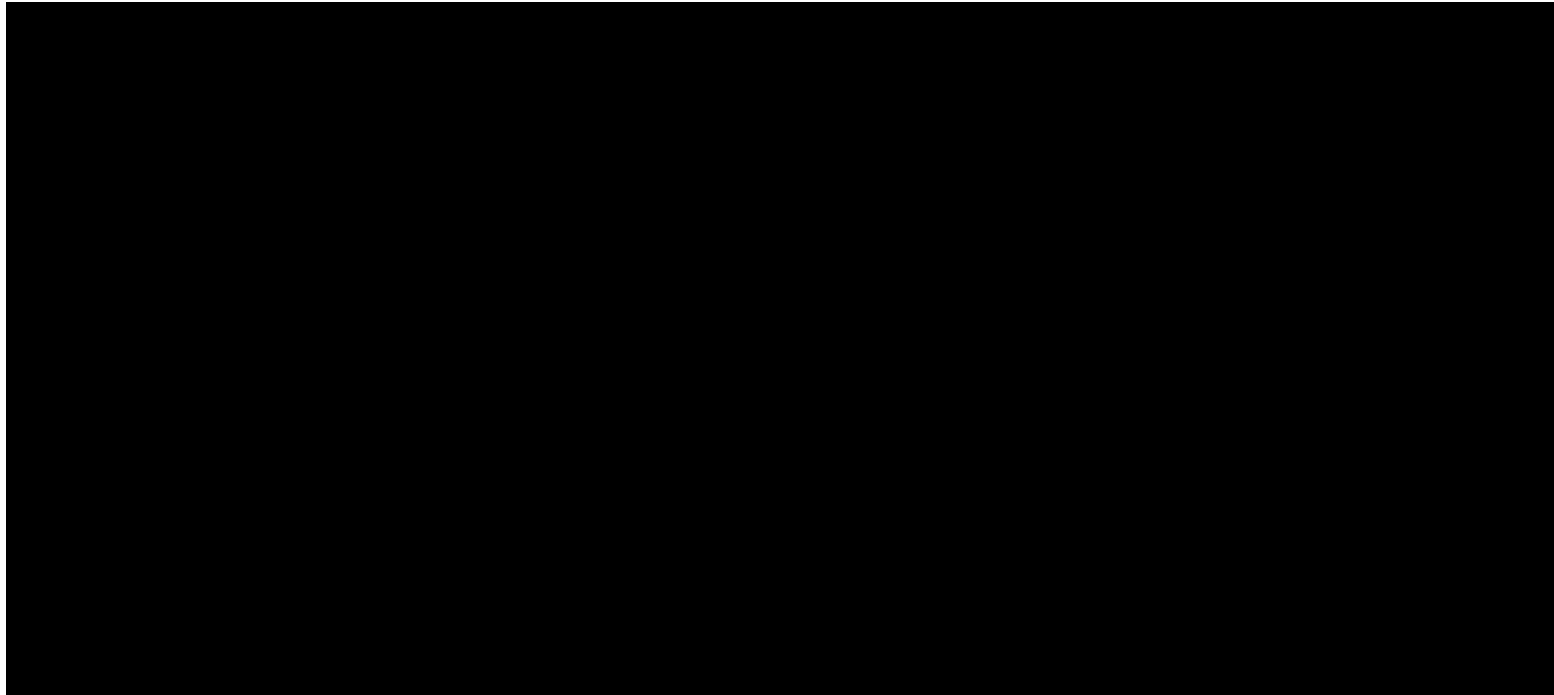
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Individual Gestation Food Consumption
20256434

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Page: 4

Sex: Female Day(s) Relative to Mating (Litter: A)



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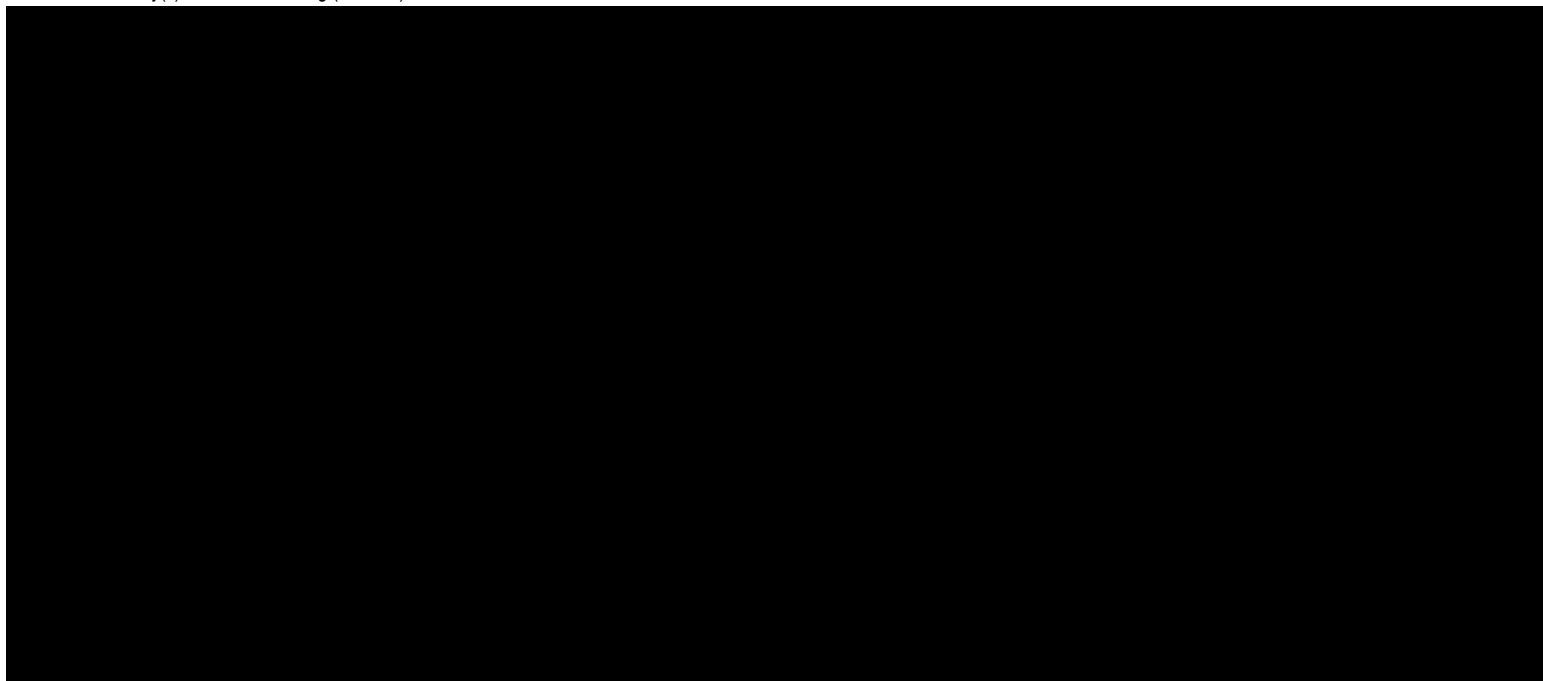
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Individual Gestation Food Consumption
20256434

19-Oct-2020 16:42:13

Page: 5

Sex: Female Day(s) Relative to Mating (Litter: A)



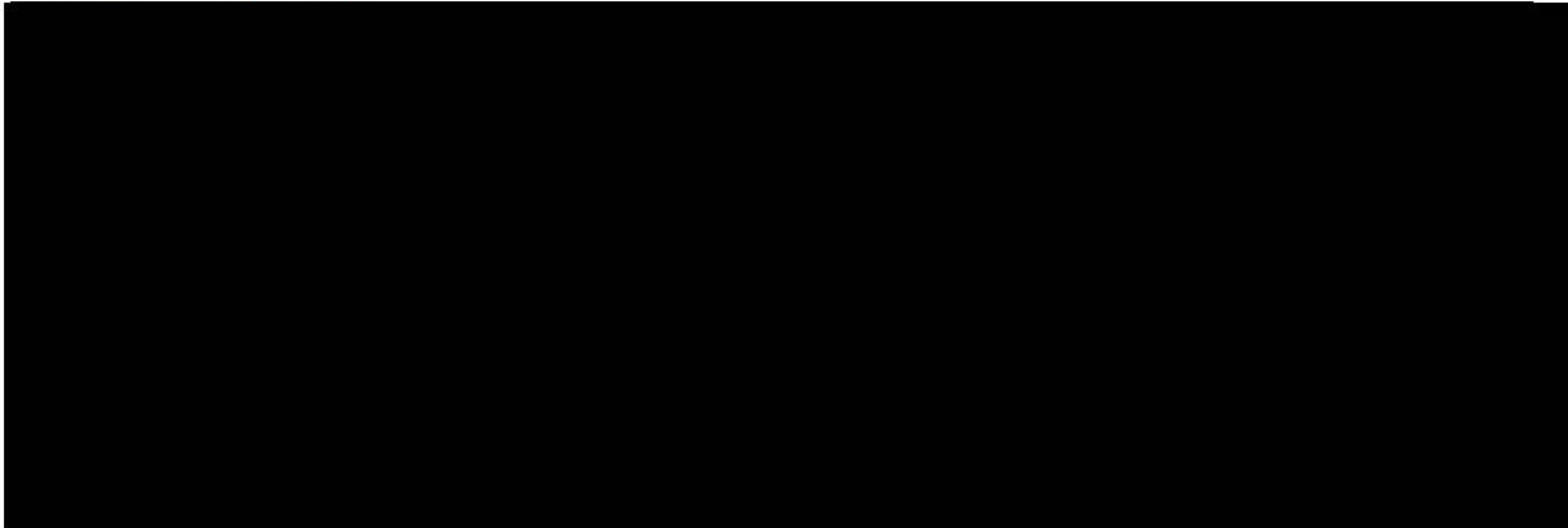
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Provantis
Individual Gestation Food Consumption
20256434

19-Oct-2020 16:42:13

Page: 6

Sex: Female Day(s) Relative to Mating (Litter: A)



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Provantis
 Individual Gestation Food Consumption

19-Oct-2020 16:42:13 Page: 7

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	245	22.1	22.8	17.7	25.6	23.9	.
246	18.5	19.0	17.3	20.8	22.9	21.7	19.8
247	24.2	25.6	21.9	25.5	26.1	24.2	24.5
248	20.8	19.3	17.6	20.0	22.3	22.2	20.4
249	21.9	22.5	20.6	22.5	26.1	20.8	22.3
250	20.7	22.9	18.8	22.7	23.5	23.8	21.9
251	22.2	25.4	24.1	21.8	24.8	23.4	23.4
252	23.2	24.2	20.4	23.5	26.4	25.7	23.8
253	21.0	20.9	17.3	22.3	27.1	21.8	21.7
254 NP	23.7 E ¹	25.9 E ¹	20.7 E ¹	20.1 E ¹	16.8 E ¹	15.2 E ¹	20.9 E ¹
255	22.3	22.8	20.3	23.3	24.8	22.0	22.5
256	22.1	26.6	23.3	24.1	26.7	24.2	24.2
257	18.9	19.3	18.9	20.8	22.7	19.1	19.8
258	19.8	23.1	17.5	24.1	27.6	24.8	22.4
259	21.0	23.1	17.3	23.5	25.8	21.0	21.8
260	22.3	22.2	18.7	21.7	25.1	21.7	22.0
261	17.3	19.4	17.2	20.5	24.9	22.8	19.9
262	21.9	24.6	19.6	22.2	27.6	24.8	23.2

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Provantis
 Individual Gestation Food Consumption

19-Oct-2020 16:42:13 Page: 8

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	263	18.3	20.0	16.0	20.2	22.5	16.6	18.8
264	25.9	26.8	22.0	25.1	26.7	21.6	24.9
265	21.9	24.5	20.9	24.8	26.4	18.0	22.6
266	19.1	21.8	19.8	20.1	22.6	23.3	20.9
45	21.9	23.1	16.0	23.1	26.3	25.6	22.5
46	21.2	21.1	21.4	22.8	27.1	24.9	22.8
47	19.1	21.0	17.0	20.7	23.4	24.6	20.7
48	17.0	20.0	14.4	17.6	12.4	21.6	17.1
49	22.3	25.5	21.4	21.2	27.4	24.1	23.5
50	20.0	20.0	18.2	20.0	20.7	19.6	19.8
51	21.8	24.5	23.1	19.5	24.4	26.2	23.0
52	19.6	22.7	18.8	26.4	28.2	26.6	23.1
53	18.4	21.3	18.9	22.8	28.1	23.7	21.6
54	19.5	22.2	19.3	22.6	25.6	22.9	21.6
55	20.4	20.9	19.5	23.3	25.0	22.4	21.7
56 NP	28.4 E ¹	33.3 E ¹	25.5 E ¹	23.4 E ¹	18.7 E ¹	16.5 E ¹	24.9 E ¹
57	18.4	22.1	20.7	23.6	25.8	21.8	21.5
58	22.0	23.0	18.5	23.0	25.5	22.5	22.4

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Provantis
 Individual Gestation Food Consumption

19-Oct-2020 16:42:13 Page: 9

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	0-6	6-9	9-12	12-15	15-18	18-21	0-21
	59	21.8	25.4	23.5	27.4	27.6	23.4	24.4
60	19.8	21.5	19.7	22.7	25.2	22.8	21.6
61	20.4	23.0	20.8	26.8	27.3	25.8	23.5
62	16.8	18.8	16.8	18.9	22.7	19.8	18.6
63	21.1	23.5	19.6	21.9	24.6	22.7	22.1
64	19.3	19.9	19.3	21.9	22.4	21.3	20.5
65	22.3	22.0	18.7	23.2	25.7	21.3	22.2
66	17.0	17.9	16.2	18.5	21.5	22.2	18.6
Mean	20.59	22.29	19.26	22.46	24.84	22.66	21.80
SD	1.99	2.23	2.22	2.22	2.77	2.17	1.75
N	42	42	42	42	42	41	41
%Diff	4.61	3.38	-16.08	-2.59	-1.94	-3.21	-1.98

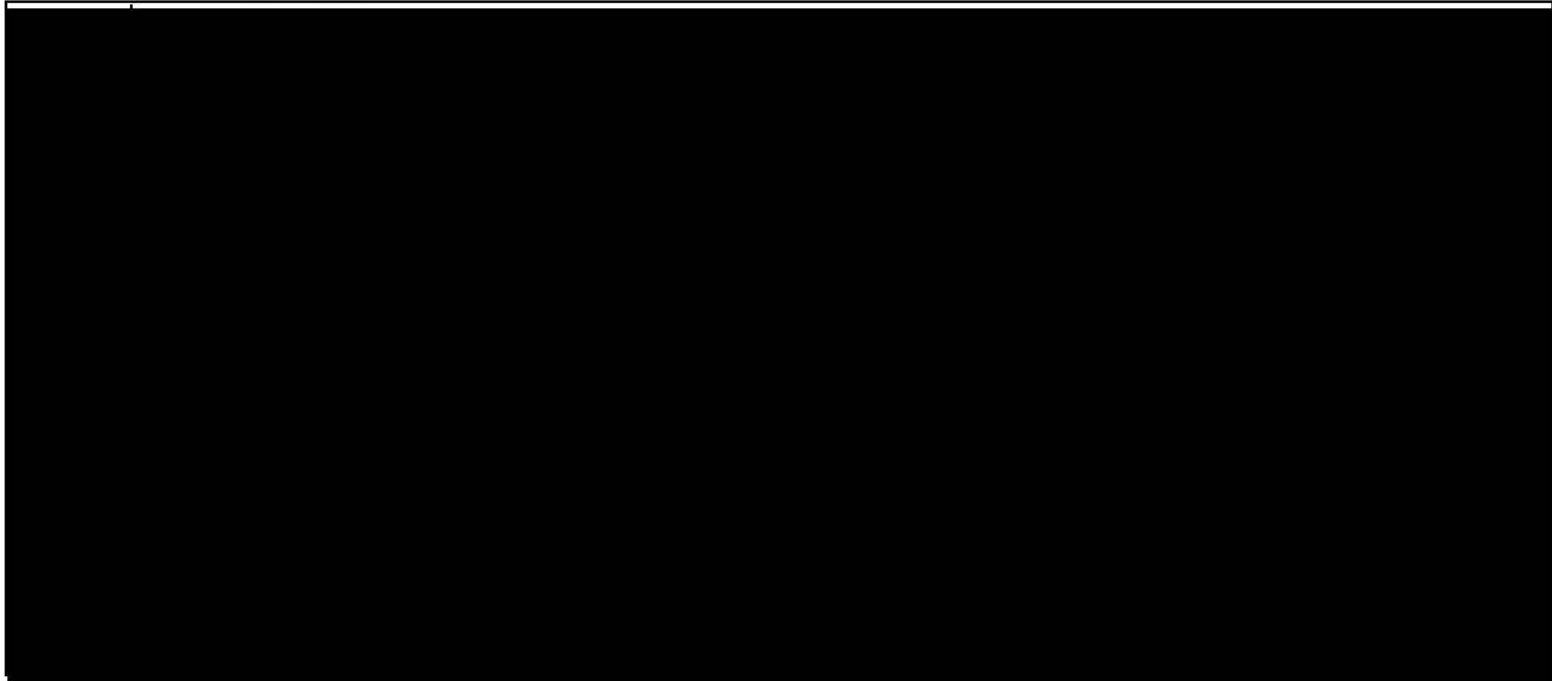
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Provantis
Individual Gestation Food Consumption
20256434

19-Oct-2020 16:42:13

Page: 10

Sex: Female Day(s) Relative to Mating (Litter: A)



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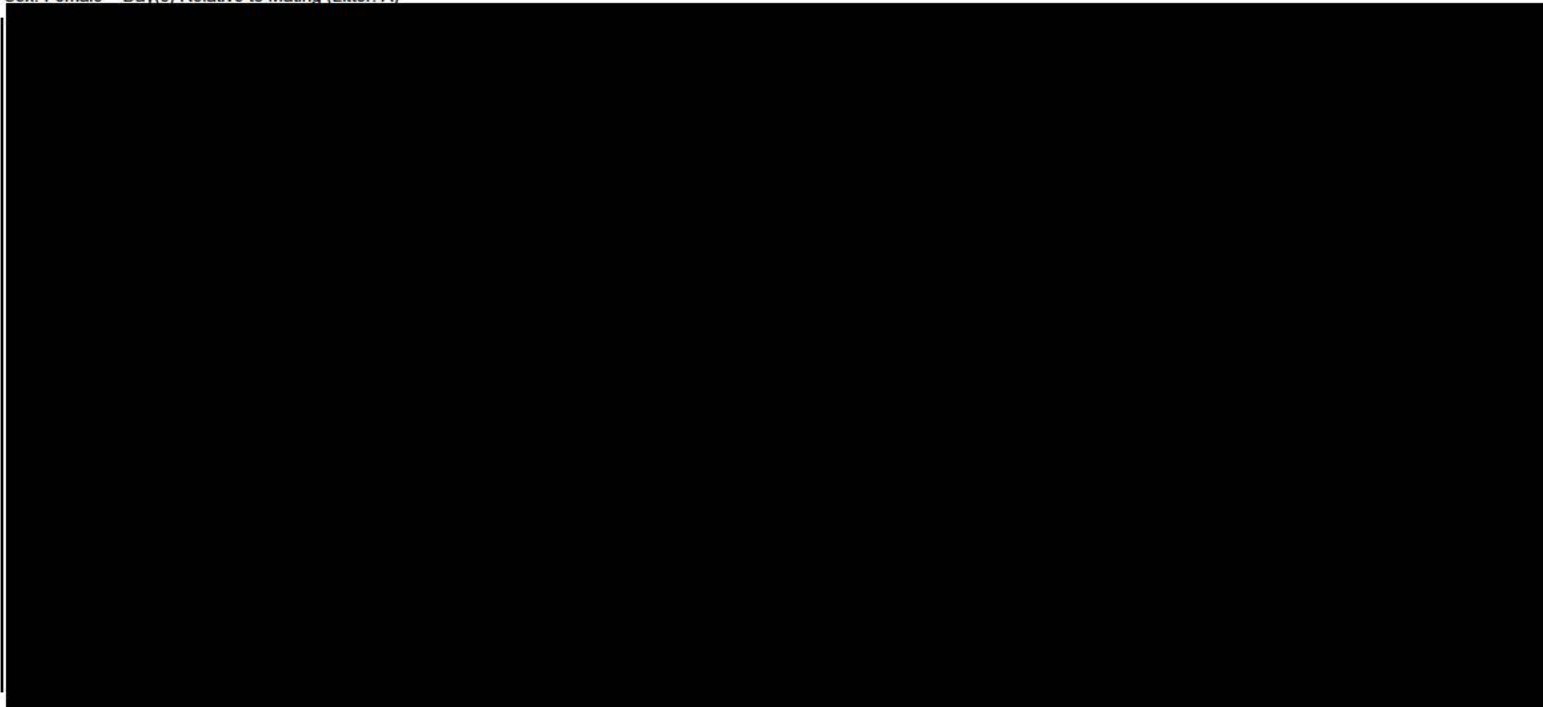
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Page: 11

Individual Gestation Food Consumption

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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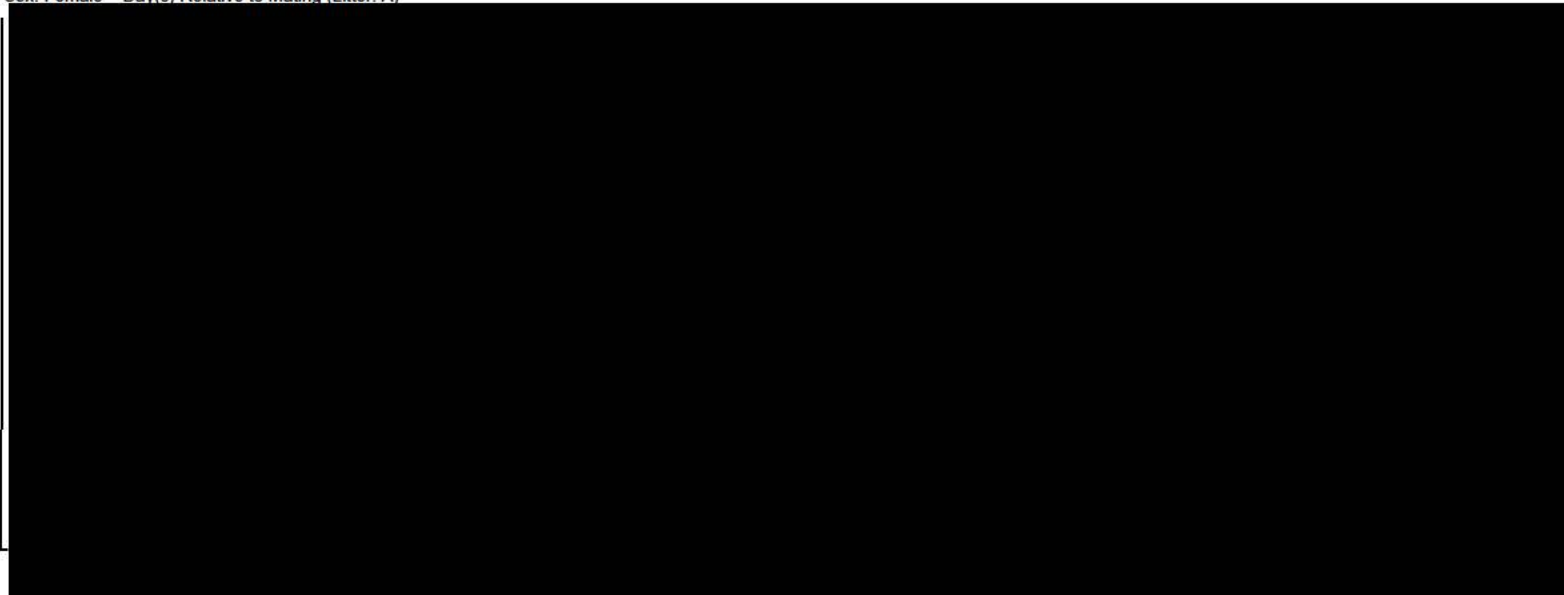
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Page: 12

Individual Gestation Food Consumption

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



CONFIDENTIAL

Provantis
 Individual Lactation Food Consumption

19-Oct-2020 16:25:57

Page: 1

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-4	4-7	7-10	10-14	14-17	17-21	1-21
	201	36.0	40.6	51.4	55.4	59.4	66.9	52.6
202	31.9	38.7	48.3	55.4	60.1	63.4	50.6
203	32.2	38.6	47.7	58.2	65.0	65.2	52.2
204	38.7	44.5	53.7	59.5	65.6	69.7	56.2
205	30.6	39.6	48.5	61.2	66.9	67.0	53.5
206	39.0	40.7	51.1	59.2	67.1	69.7	55.5
207	30.8	34.6	42.6	48.6	52.5	55.0	44.8
208	26.6	36.8	46.8	52.3	60.8	58.3	47.8
209	31.2	39.3	46.0	48.3	54.9	55.0	46.4
210	36.8	45.5	57.7	61.5	67.6	82.1	59.9
211	37.1	43.0	52.1	58.7	64.4	64.4	54.1
212	38.7	40.4	50.6	61.8	63.4	68.4	55.0
213	35.1	42.9	52.0	59.0	60.5	64.7	53.3
214	38.8	46.1	51.4	55.3	62.2	66.8	54.2
215	36.2	43.0	52.8	60.1	65.8	67.4	55.2
216	41.1	45.0	53.2	62.5	70.1	70.0	57.9
217	33.3	41.5	49.8	55.1	63.7	72.7	53.8
218	33.0	35.1	47.4	55.1	57.1	64.9	49.9

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Provantis
 Individual Lactation Food Consumption

19-Oct-2020 16:25:57 Page: 2

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-4	4-7	7-10	10-14	14-17	17-21	1-21
	219	38.5	44.0	56.7	63.5	65.3	68.2	57.0
220	38.6	39.2	53.5	62.9	64.5	65.8	55.1
221	45.6	51.2	59.7	70.9	72.8	76.1	63.8
222	34.2	42.3	50.3	62.2	64.1	68.5	54.8
Mean	35.64	41.48	51.06	58.48	63.35	66.81	53.79
SD	4.25	3.84	3.96	5.13	4.74	6.05	4.26
N	22	22	22	22	22	22	22

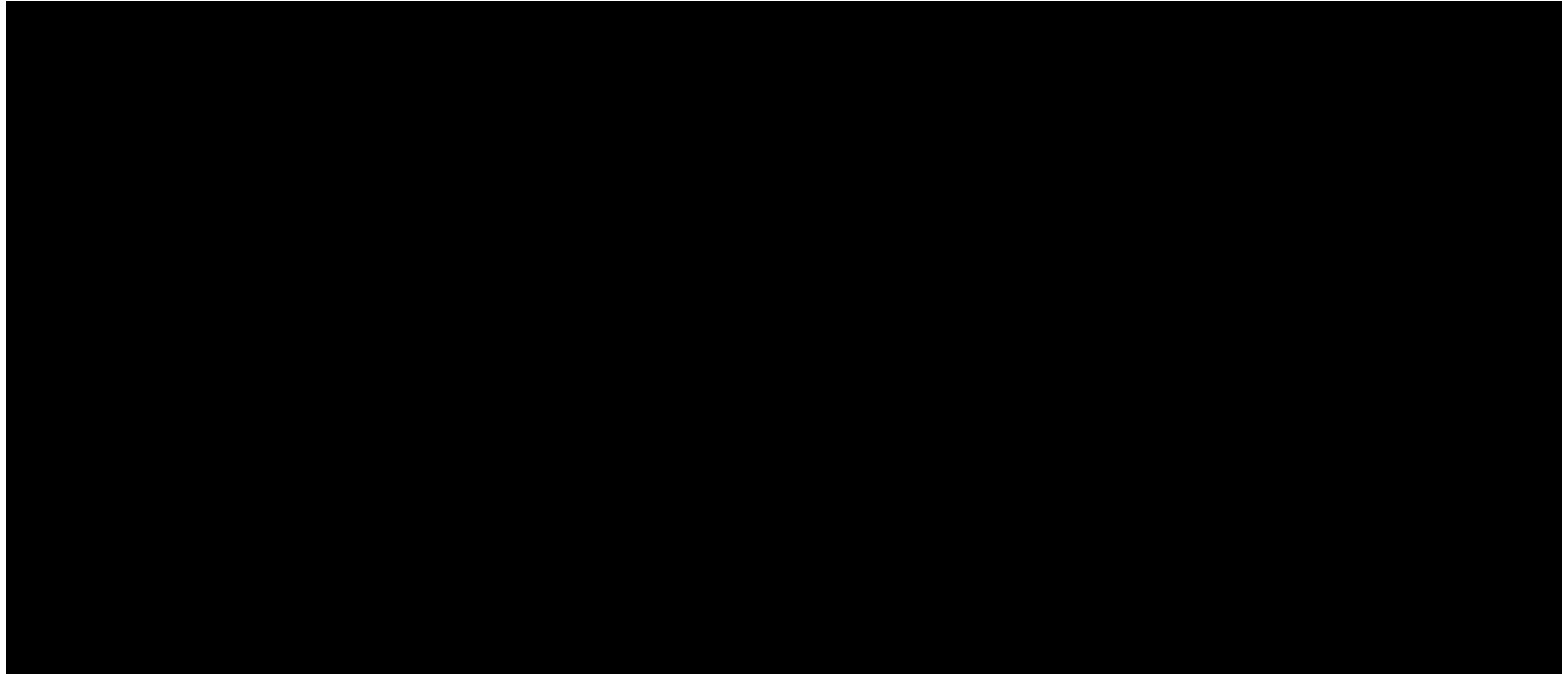
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Provantis
Individual Lactation Food Consumption
20256434

19-Oct-2020 16:25:57

Page: 3

Sex: Female Day(s) Relative to Littering (Litter: A)



Provantis

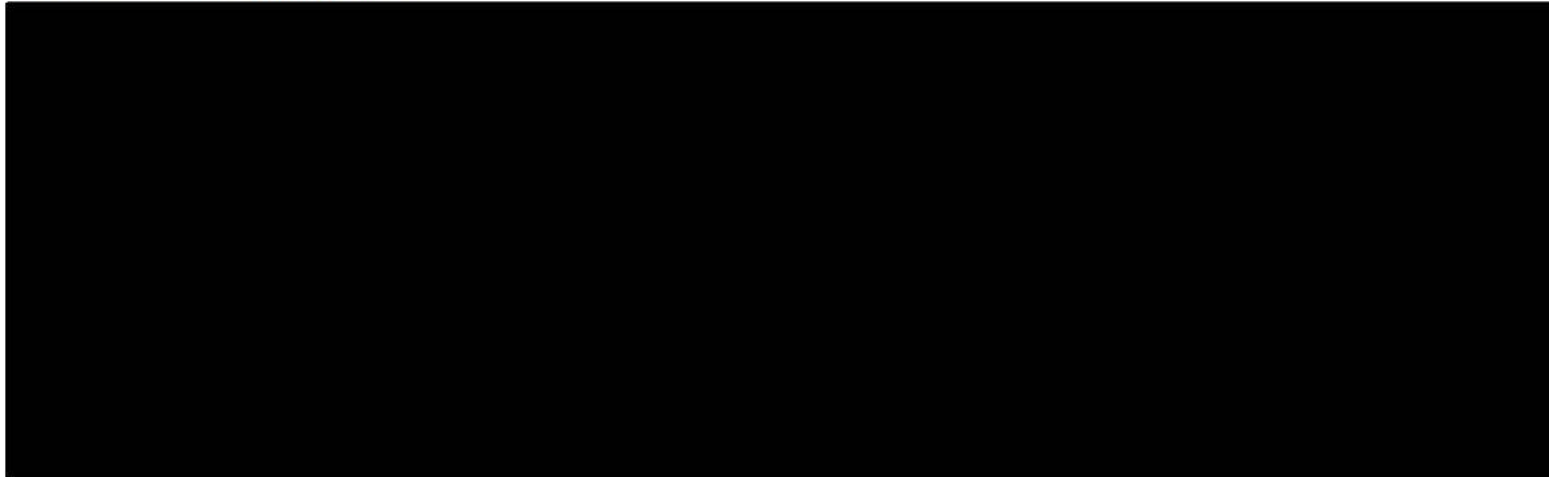
19-Oct-2020 16:25:57

Page: 4

Individual Lactation Food Consumption

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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Provantis
 Individual Lactation Food Consumption

19-Oct-2020 16:25:57

Page: 5

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-4	4-7	7-10	10-14	14-17	17-21	1-21
	245	46.9	46.1	54.8	62.5	63.1	71.1	58.4
246	41.9	43.9	53.6	59.8	61.4	65.4	55.2
247	36.2	50.4	55.1	63.8	67.7	70.5	58.3
248	31.2	43.0	50.4	57.5	67.1	67.7	53.8
249	41.8	40.2	51.8	59.8	66.9	73.8	56.8
250	30.5	42.4	53.7	57.0	61.9	68.6	53.4
251	35.5	41.0	50.3	63.0	66.8	73.4	56.3
252	36.8	45.7	52.4	58.5	63.8	72.0	55.9
253	35.0	48.5	51.9	59.0	57.0	61.4	52.9
254 NP	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹
255	23.0	26.1	28.0	30.4	33.5	33.9	29.5
256	36.6	46.5	57.3	66.6	72.1	70.8	59.3
257	42.5	45.0	53.2	61.9	58.9	67.8	55.9
258	42.0	47.7	58.6	64.9	71.4	70.6	60.1
259	35.8	44.9	52.8	58.8	63.5	72.9	55.9
260	41.4	45.1	50.1	60.7	62.7	71.0	56.2
261	41.7	46.2	52.4	58.7	59.9	68.7	55.5
262	30.7	42.1	49.2	64.4	67.4	72.1	55.7

1 [E, Exclude]

Provantis
 Individual Lactation Food Consumption

19-Oct-2020 16:25:57 Page: 6

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)	Food Consumption (g/animal/day)
	1-4	4-7	7-10	10-14	14-17	17-21	1-21
	263	29.0	38.3	43.9	56.4	58.0	67.1	50.1
264	41.8	46.8	56.4	61.9	67.3	65.4	57.3
265	35.3	44.3	52.3	57.6	65.3	70.2	55.1
266	35.6	42.5	49.5	58.6	61.7	67.6	53.6
Mean	36.72	43.65	51.31	59.12	62.73	67.71	54.53
SD	5.72	4.93	6.20	7.17	7.84	8.32	6.18
N	21	21	21	21	21	21	21
%Diff	3.02	5.22	0.49	1.09	-0.97	1.34	1.37

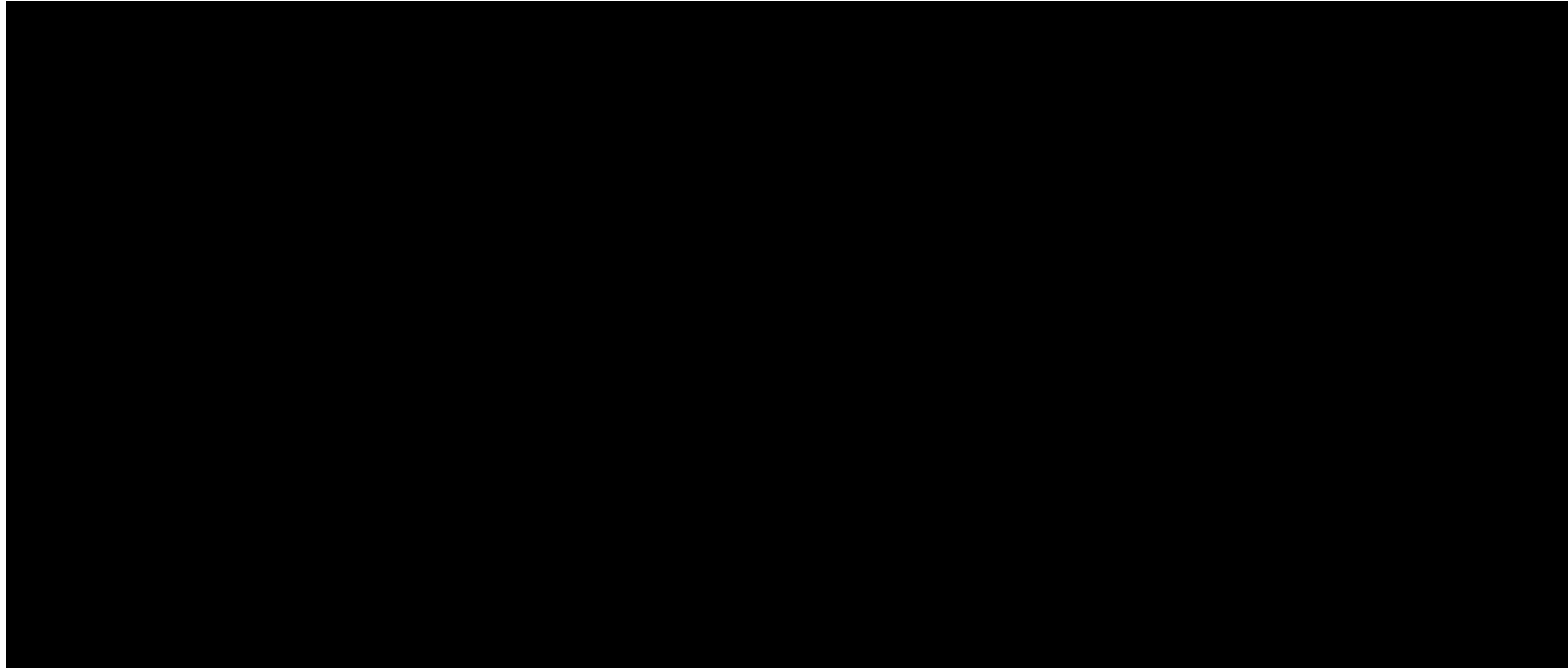
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Provantis
Individual Lactation Food Consumption
20256434

19-Oct-2020 16:25:57

Page: 7

Sex: Female Day(s) Relative to Littering (Litter: A)



Provantis

19-Oct-2020 16:25:57

Page: 8

Individual Lactation Food Consumption

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

20256434
 Individual Estrous Cycle Data
 Before Dosing

Group 1, Control, 0 µg

Female number	Stage of cycle on day of smearing:														Mean cycle length (days)	Irregularity index	% days in estrus
	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1			
1	M	M	P	E	M	D	P	E	M	M	P	E	M	D	4.0	0.0	21.4
2	D	D	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	21.4
3	M	D	P	E	M	D	P	E	M	P	P	E	M	D	4.0	0.0	21.4
4	P	E	M	D	E	E	M	D	P	E	M	M	D	P	4.0	0.7	28.6
5	E	M	D	P	E	M	D	PE	E	M	M	P	E	M	4.0	0.7	35.7
6	P	E	M	D	D	E	M	D	P	E	M	D	P	M	4.0	0.0	21.4
7	P	E	M	D	P	E	M	D	P	E	M	M	D	D	4.0	0.0	21.4
8	P	E	M	D	P	E	M	D	P	E	M	P	P	M	4.0	0.0	21.4
9	M	D	P	E	M	D	P	E	M	P	P	E	M	D	4.0	0.0	21.4
10	P	E	D	M	D	E	M	D	P	E	M	D	P	D	4.0	0.0	21.4
11	D	P	E	M	D	P	E	M	D	P	E	M	D	D	4.0	0.0	21.4
12	P	E	M	D	P	E	M	D	P	E	M	M	P	D	4.0	0.0	21.4
13	E	M	D	P	E	M	D	P	E	M	M	P	D	D	4.0	0.0	21.4
14	D	P	E	M	D	E	E	M	D	E	E	M	D	D	3.5	0.4	35.7
15	E	M	D	P	E	M	D	P	E	M	D	P	P	D	4.0	0.0	21.4
16	E	M	D	P	E	M	D	PE	E	M	D	P	E	M	4.0	0.7	35.7
17	P	E	D	D	E	E	M	D	E	E	M	M	P	E	4.0	0.5	42.9
18	M	P	E	M	D	P	E	D	D	P	E	M	D	D	4.0	0.0	21.4
19	M	M	E	M	D	P	E	D	D	P	E	M	D	D	4.0	0.0	21.4
20	M	D	P	E	M	D	P	E	E	M	P	E	M	D	4.0	0.0	28.6
21	D	P	E	M	D	D	E	D	D	P	E	M	M	D	4.0	0.0	21.4
22	E	M	D	P	E	M	D	PE	E	M	D	P	E	E	4.0	0.7	42.9

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20256434
 Individual Estrous Cycle Data
 Before Dosing

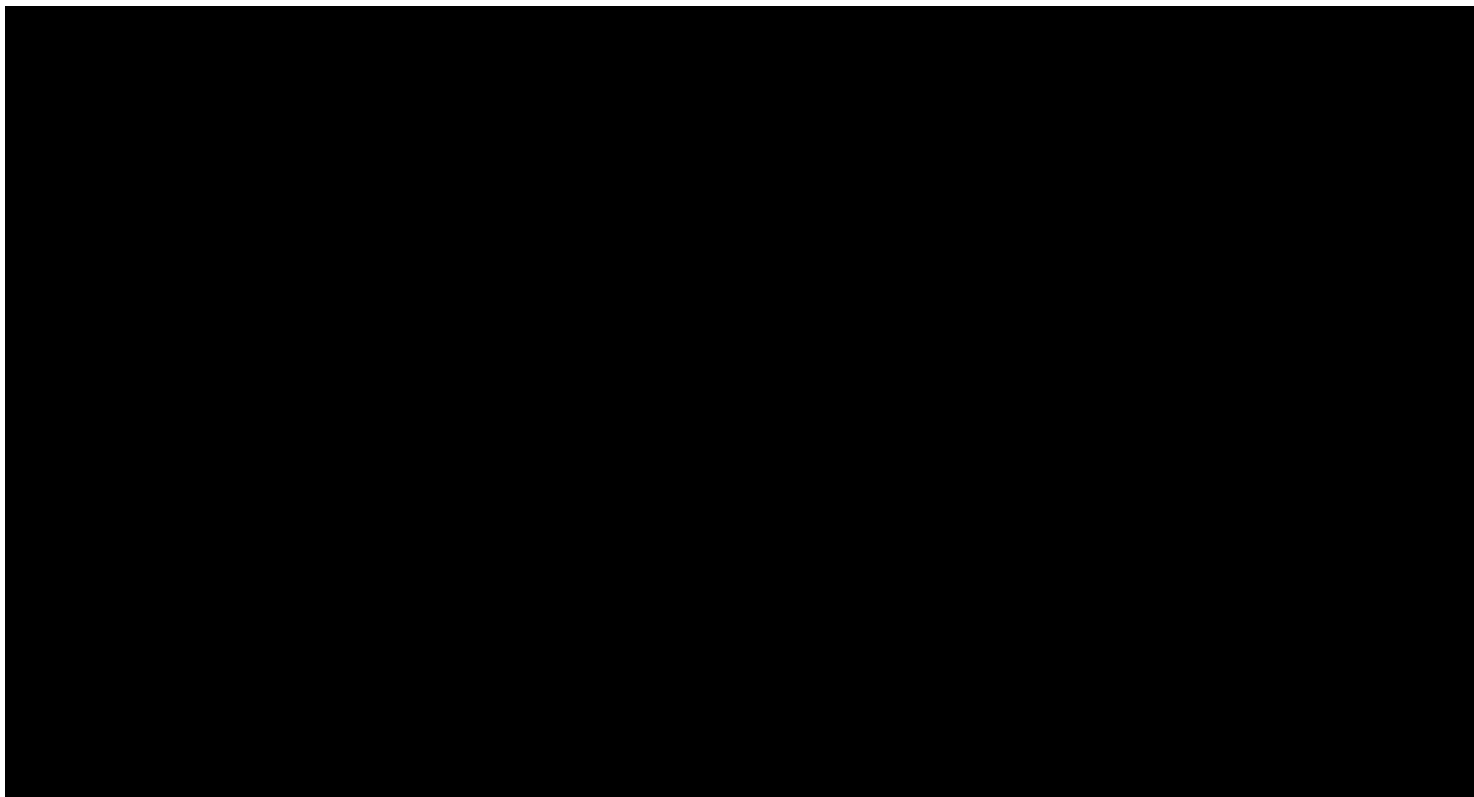
Group 1, Control, 0 µg

Female number	Stage of cycle on day of smearing:														Mean cycle length (days)	Irregularity index	% days in estrus
	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1			
201	D	D	E	M	M	PE	E	M	M	P	E	M	M	P	4.0	0.7	28.6
202	E	E	M	M	P	PE	E	M	D	P	E	M	M	P	5.0	0.0	35.7
203	M	P	E	M	D	P	E	M	D	P	E	M	M	P	4.0	0.0	21.4
204	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	28.6
205	M	D	P	E	M	M	P	E	M	D	P	E	M	D	4.0	0.0	21.4
206	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	28.6
207	E	M	D	E	E	M	D	P	E	M	M	P	E	M	4.5	0.4	35.7
208	M	M	P	E	M	D	PE	E	M	M	P	E	M	M	4.0	0.7	28.6
209	D	P	E	M	M	PE	E	M	D	P	E	M	D	P	4.0	0.7	28.6
210	E	M	D	P	E	M	D	P	E	M	M	P	E	M	4.0	0.0	28.6
211	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	28.6
212	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	28.6
213	M	M	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	21.4
214	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	28.6
215	E	M	D	P	E	M	D	P	E	M	M	P	E	M	4.0	0.0	28.6
216	M	M	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	21.4
217	M	M	P	E	M	D	PE	E	M	M	P	E	M	M	4.0	0.7	28.6
218	M	D	P	E	M	M	PE	E	M	D	P	E	M	M	4.0	0.7	28.6
219	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	28.6
220	P	E	M	D	P	E	M	D	P	E	M	D	E	E	3.7	0.3	35.7
221	M	D	P	E	M	M	P	E	M	M	P	E	M	D	4.0	0.0	21.4
222	D	D	E	M	M	PE	E	M	D	P	E	M	D	P	4.0	0.7	28.6

D = di-estrus P = pro-estrus E = estrus M = met-estrus

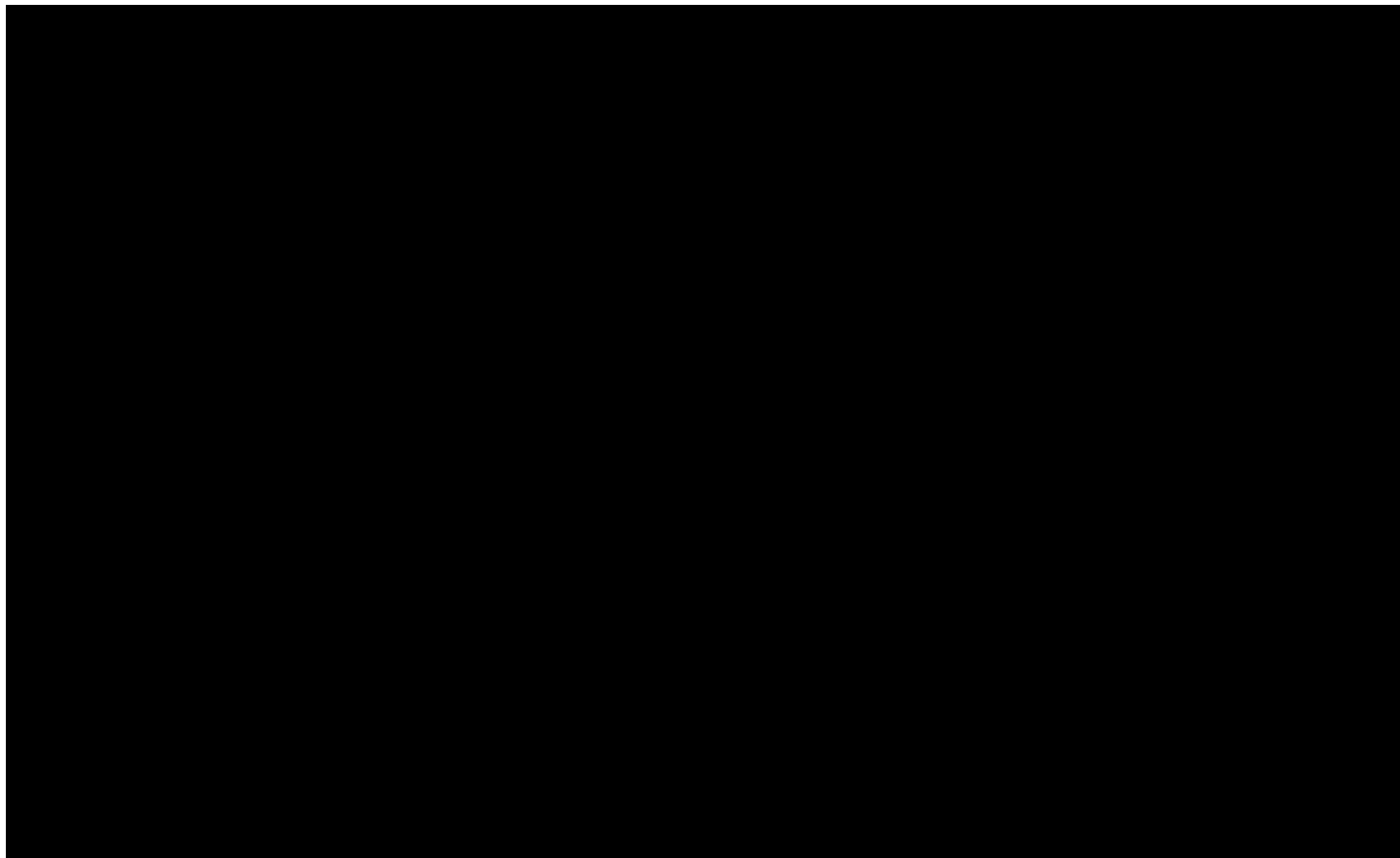
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20256434
Individual Estrous Cycle Data
Before Dosing



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20256434
Individual Estrous Cycle Data
Before Dosing



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20256434
 Individual Estrous Cycle Data
 Before Dosing

Group 3, BNT162b2, 30 µg

Female number	Stage of cycle on day of smearing:															Mean cycle length (days)	Irregularity index	% days in estrus
	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1				
45	M	P	E	M	D	P	E	M	D	P	E	M	D	D	4.0	0.0	21.4	
46	M	P	E	M	D	E	E	M	M	P	E	M	D	D	4.0	0.7	28.6	
47	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	28.6	
48	M	M	P	E	M	D	P	E	M	M	P	E	M	D	4.0	0.0	21.4	
49	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	21.4	
50	E	M	D	P	E	M	D	D	E	M	D	D	E	M	4.0	0.0	28.6	
51	P	E	M	M	D	E	M	D	P	E	M	M	P	E	4.0	0.0	28.6	
52	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	21.4	
53	D	P	E	M	D	P	E	M	M	P	E	M	M	D	4.0	0.0	21.4	
54	M	P	E	M	D	E	E	M	M	P	E	M	D	D	4.0	0.7	28.6	
55	P	E	M	D	E	E	M	D	P	E	M	D	D	D	4.0	0.7	28.6	
56	P	E	M	D	E	E	M	D	P	E	M	M	D	E	4.0	0.5	35.7	
57	D	P	E	M	D	E	E	D	P	P	E	M	D	P	4.0	0.7	28.6	
58	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	21.4	
59	E	M	D	P	E	M	D	P	E	M	D	P	E	E	4.0	0.0	35.7	
60	P	E	M	D	D	E	M	D	P	E	M	M	D	M	4.0	0.0	21.4	
61	P	E	M	D	P	E	M	D	P	E	M	D	D	D	4.0	0.0	21.4	
62	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	28.6	
63	P	M	D	P	E	M	D	P	E	M	D	D	D	D	4.0	0.0	14.3	
64	D	P	E	M	D	D	P	D	D	P	E	M	D	E	Acyclic Period			
65	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	21.4	
66	D	P	E	M	D	P	E	M	M	P	E	M	D	D	4.0	0.0	21.4	

20256434
 Individual Estrous Cycle Data
 Before Dosing

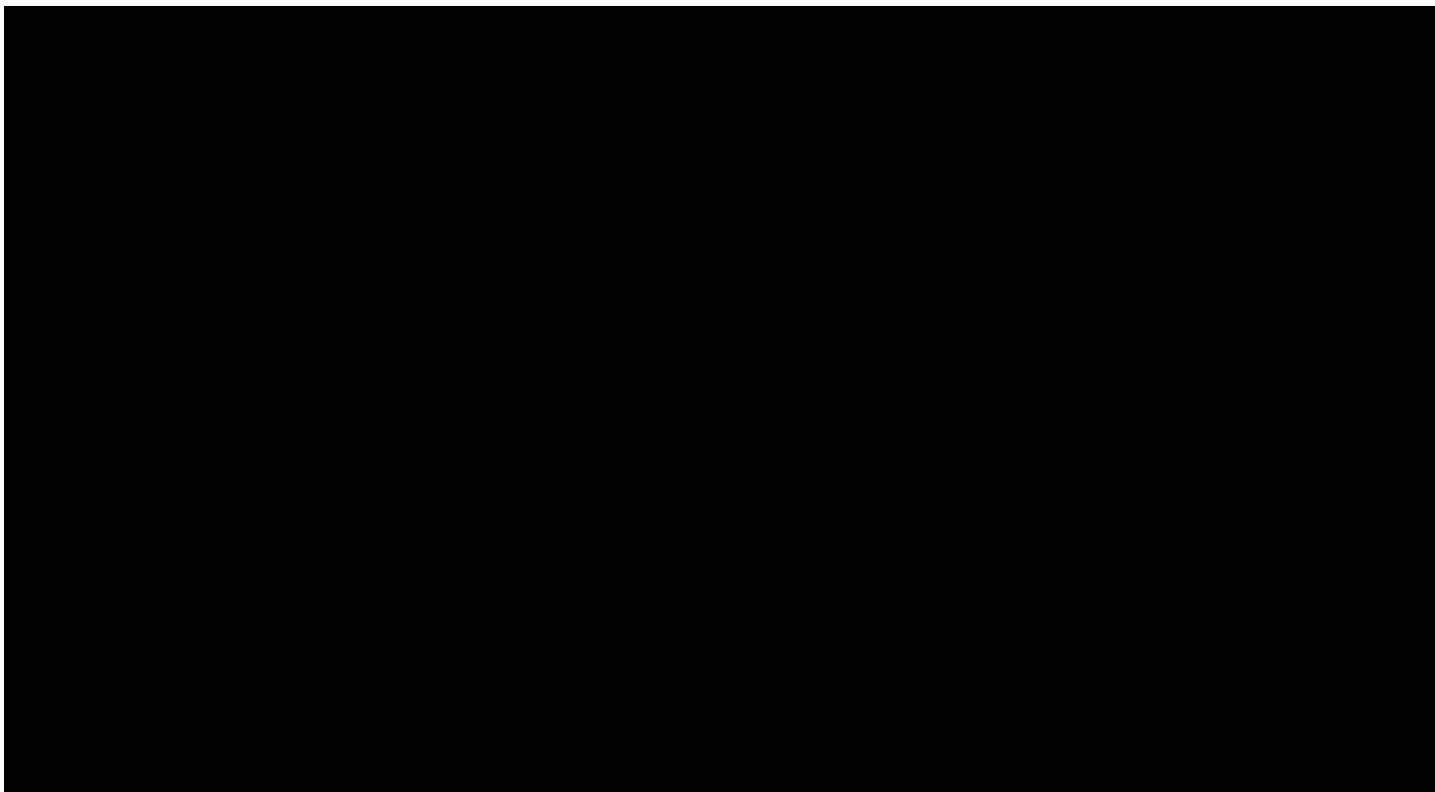
Group 3, BNT162b2, 30 µg

Female number	Stage of cycle on day of smearing:															Mean cycle length (days)	Irregularity index	% days in estrus
	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1				
245	P	E	M	D	D	E	M	D	P	E	M	M	P	E	4.0	0.0	28.6	
246	D	D	D	D	D	D	D	M	D	D	P	D	M	P	Acyclic			
247	E	M	D	E	E	M	D	P	E	M	M	P	E	M	4.5	0.4	35.7	
248	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	28.6	
249	M	M	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	21.4	
250	P	E	M	D	P	E	M	D	P	E	M	D	E	E	3.7	0.3	35.7	
251	M	P	E	M	D	PE	E	M	D	P	E	M	D	P	4.0	0.7	28.6	
252	M	P	E	M	D	PE	E	M	D	P	E	M	M	P	4.0	0.7	28.6	
253	E	M	D	P	E	M	D	P	E	M	M	P	E	M	4.0	0.0	28.6	
254	M	M	P	E	D	D	PE	E	M	M	P	E	M	D	4.0	0.7	28.6	
255	E	M	D	P	E	M	D	P	E	M	M	P	E	M	4.0	0.0	28.6	
256	M	P	E	M	M	P	E	M	D	P	E	M	D	P	4.0	0.0	21.4	
257	M	M	P	E	M	D	PE	E	M	D	P	E	M	D	4.0	0.7	28.6	
258	M	P	E	M	M	P	E	M	D	P	E	M	D	P	4.0	0.0	21.4	
259	M	M	P	E	M	M	PE	E	M	D	P	E	M	D	4.0	0.7	28.6	
260	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	21.4	
261	E	M	D	P	E	M	D	P	E	M	M	P	E	M	4.0	0.0	28.6	
262	E	M	D	P	E	M	D	P	E	M	M	P	E	M	4.0	0.0	28.6	
263	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	28.6	
264	E	M	M	P	E	M	D	P	E	M	M	P	E	M	4.0	0.0	28.6	
265	P	E	M	D	P	E	M	D	P	E	M	D	E	E	3.7	0.3	35.7	
266	E	M	D	P	E	M	D	P	E	M	M	P	E	M	4.0	0.0	28.6	

D = di-estrus P = pro-estrus E = estrus M = met-estrus

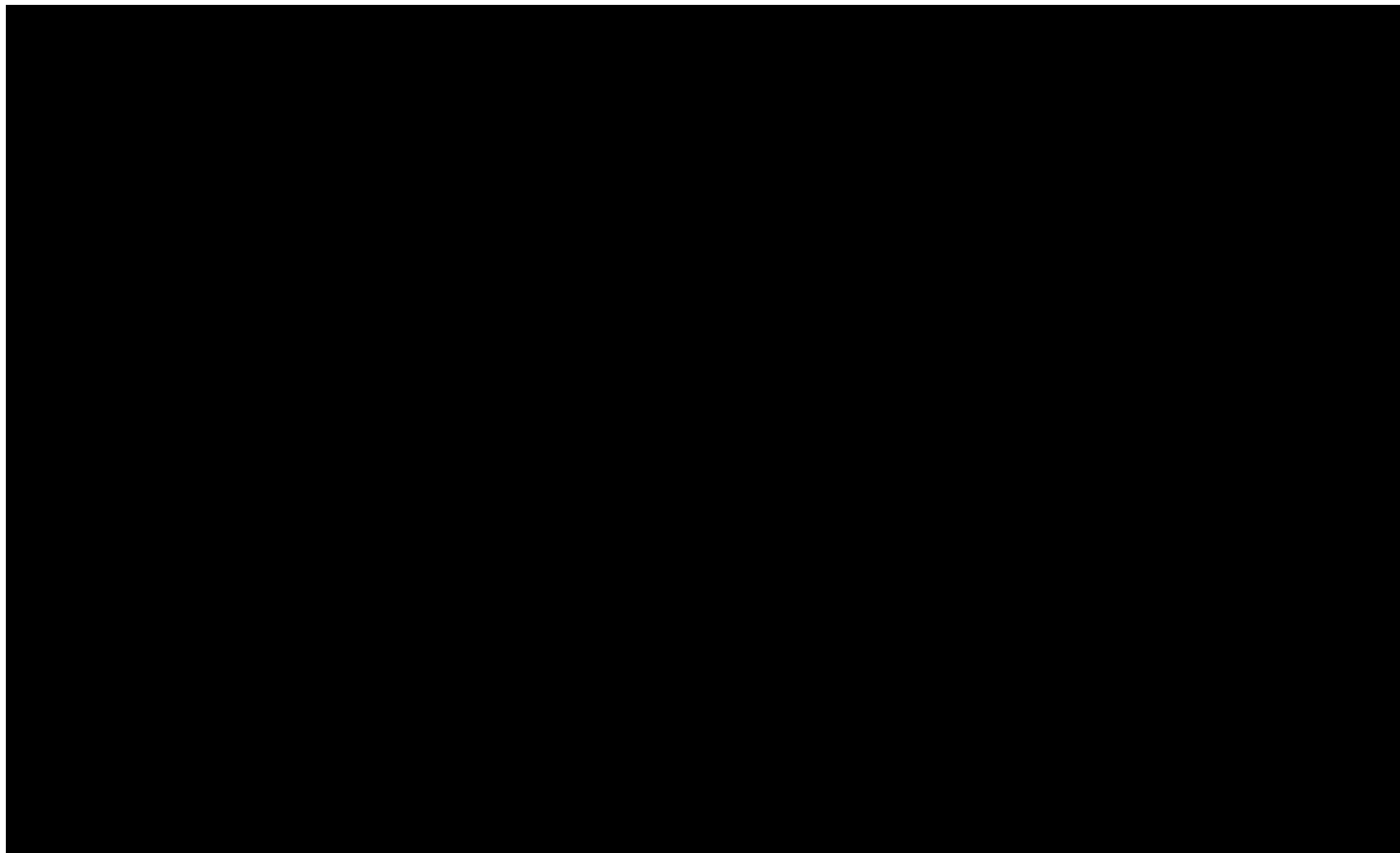
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20256434
Individual Estrous Cycle Data
Before Dosing



CONFIDENTIAL

20256434
Individual Estrous Cycle Data
Before Dosing



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20256434
 Individual Estrous Cycle Data
 Pre-Mating Period

Group 1, Control, 0 µg

Female number	Stage of cycle on day of smearing:															Mean cycle length (days)	Irregularity index	% days in estrus
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
1	D	P	E	M	D	P	E	M	D	P	E	M	M	P	E	4.0	0.0	26.7
2	D	E	M	D	P	E	M	D	P	E	M	D	P	E	D	4.0	0.0	26.7
3	M	P	E	M	M	E	E	M	D	P	E	M	D	P	E	4.0	0.5	33.3
4	E	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	26.7
5	M	D	P	E	M	D	P	E	M	D	P	E	M	D	D	4.0	0.0	20.0
6	M	D	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
7	P	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	20.0
8	D	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	26.7
9	M	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
10	E	M	D	P	E	M	D	P	E	M	D	P	E	M	M	4.0	0.0	26.7
11	M	P	E	M	D	P	E	M	M	P	E	M	D	P	E	4.0	0.0	26.7
12	P	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	20.0
13	M	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
14	D	D	D	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
15	M	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
16	M	P	P	E	M	D	P	E	M	D	P	E	M	D	D	4.0	0.0	20.0
17	E	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	26.7
18	D	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
19	D	D	D	P	M	D	P	E	M	D	P	E	M	D	P	Acyclic Period		
20	M	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
21	D	P	P	M	D	P	E	M	D	D	E	M	D	P	E	4.0	0.0	20.0
22	E	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	26.7

20256434
 Individual Estrous Cycle Data
 Pre-Mating Period

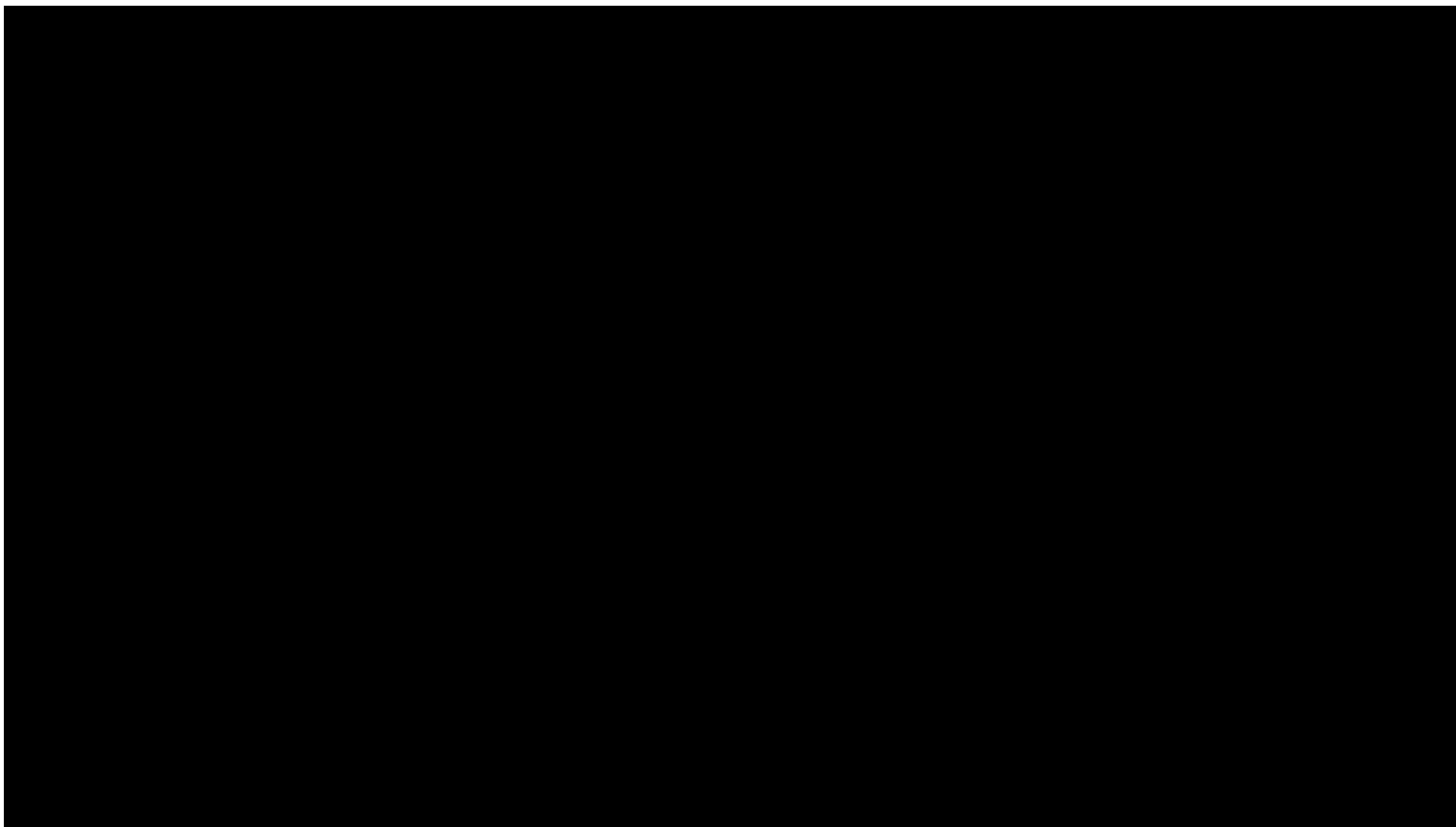
Group 1, Control, 0 µg

Female number	Stage of cycle on day of smearing:															Mean cycle length (days)	Irregularity index	% days in estrus
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
201	D	E	M	D	D	D	D	D	D	D	D	D	D	D	E	Acyclic Period		
202	PE	E	M	D	P	E	M	M	P	E	M	D	P	E	M	4.0	0.0	33.3
203	P	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	26.7
204	D	D	P	E	M	D	P	E	M	P	E	M	D	P		4.0	0.0	20.0
205	D	P	E	M	D	D	M	D	D	D	D	D	D	D	D	Acyclic		
206	D	D	D	D	P	P	M	P	P	M	D	P	E	M	D	Acyclic		
207	D	D	P	E	M	D	D	D	D	D	D	D	D	D	D	Acyclic		
208	D	P	E	M	M	D	D	D	D	D	D	D	D	D	D	Acyclic		
209	PE	E	M	D	P	D	D	D	D	D	D	D	D	D	P	Acyclic		
210	PE	M	P	E	M	M	P	E	M	D	P	E	M	M	P	4.0	0.0	26.7
211	M	M	P	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
212	E	M	M	P	E	M	M	P	E	M	D	P	E	M	M	4.0	0.0	26.7
213	D	P	E	M	D	P	E	D	D	P	E	D	D	P	E	4.0	0.0	26.7
214	D	D	D	E	M	D	P	E	D	D	P	E	M	D	P	4.0	0.0	20.0
215	M	D	P	E	M	D	P	E	M	D	P	E	D	D	P	4.0	0.0	20.0
216	D	P	E	M	D	P	E	M	M	P	E	M	D	P	E	4.0	0.0	26.7
217	D	P	E	M	D	P	E	M	M	P	E	M	D	P	E	4.0	0.0	26.7
218	P	P	E	M	D	D	D	D	D	D	D	D	D	D	D	Acyclic		
219	E	M	D	P	E	D	D	P	E	M	D	P	E	M	M	4.0	0.0	26.7
220	E	M	M	P	E	D	D	E	E	M	D	P	E	M	D	4.0	0.7	33.3
221	D	P	E	M	D	P	E	M	D	P	E	D	D	P	E	4.0	0.0	26.7
222	P	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	26.7

D = di-estrus P = pro-estrus E = estrus M = met-estrus

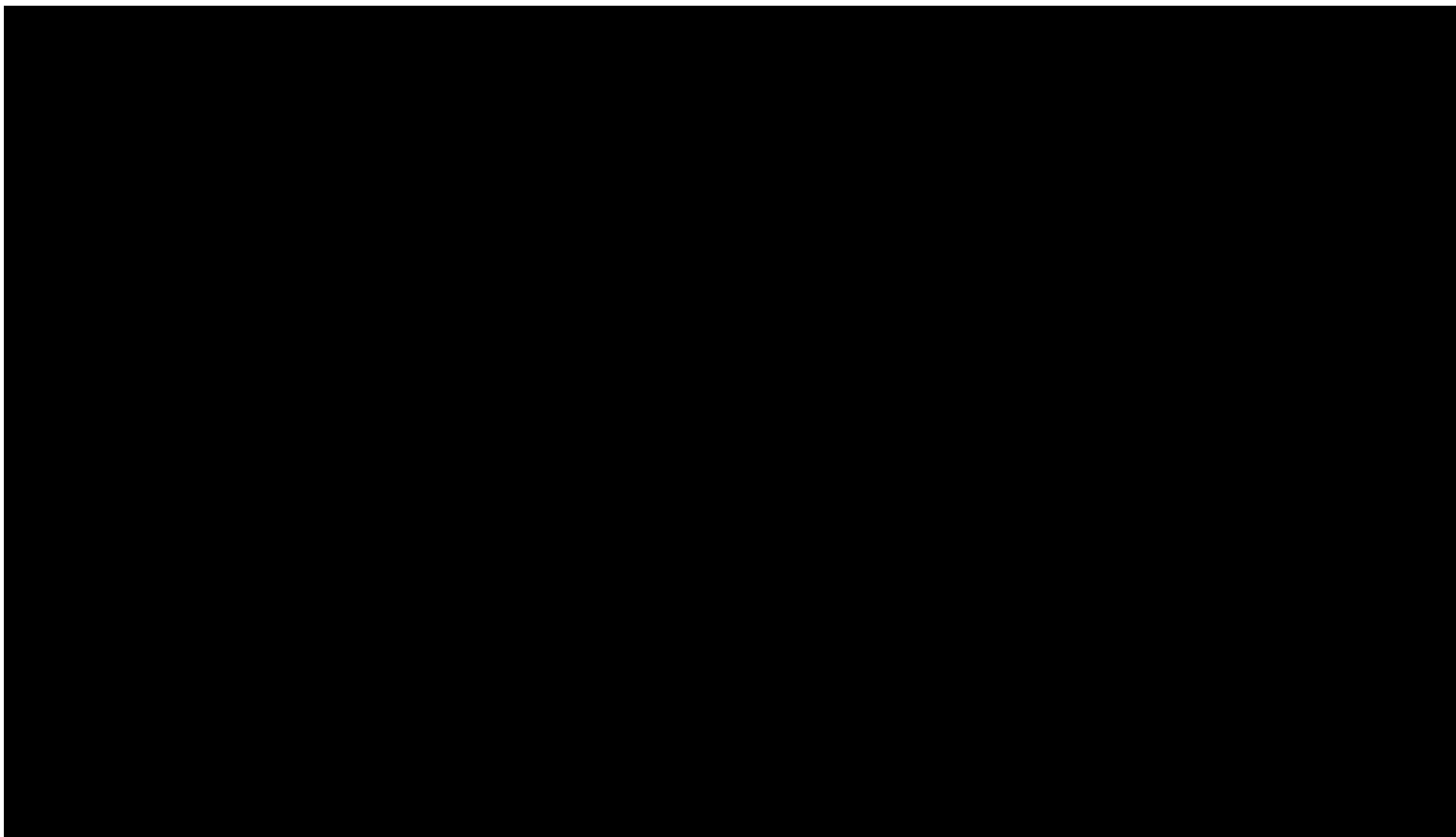
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20256434
Individual Estrous Cycle Data
Pre-Mating Period



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20256434
Individual Estrous Cycle Data
Pre-Mating Period



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 Individual Estrous Cycle Data
 Pre-Mating Period

Group 3, BNT162b2, 30 µg

Female number	Stage of cycle on day of smearing:															Mean cycle length (days)	Irregularity index	% days in estrus
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
45	D	D	D	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
46	M	D	D	E	M	D	P	E	M	D	P	E	M	D	M	4.0	0.0	20.0
47	M	M	D	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
48	M	P	D	D	D	D	D	D	D	D	D	E	E	M	D	Acyclic		
49	M	P	E	M	M	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
50	M	D	P	E	M	D	P	E	M	D	P	E	M	D	M	4.0	0.0	20.0
51	E	M	D	D	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
52	M	D	D	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	20.0
53	P	E	M	D	D	P	E	D	D	P	E	M	D	P	E	4.3	0.3	26.7
54	M	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
55	P	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	26.7
56	P	E	M	D	P	E	E	E	E	E	M	D	P	E	E	Acyclic Period		
57	P	E	M	D	P	E	M	D	P	E	M	D	P	E	D	4.0	0.0	26.7
58	D	P	E	M	M	E	M	D	P	E	M	D	P	E	D	3.7	0.3	26.7
59	E	M	M	P	E	M	D	P	E	M	D	P	E	M	D	4.0	0.0	26.7
60	E	M	M	D	D	D	D	D	D	D	D	P	M	D	P	Acyclic		
61	D	P	P	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
62	M	D	D	E	M	D	P	E	M	D	D	E	M	D	D	4.0	0.0	20.0
63	M	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
64	P	M	D	P	E	M	D	P	E	M	D	D	E	M	D	4.0	0.0	20.0
65	P	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
66	D	P	M	D	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	20.0

20256434
 Individual Estrous Cycle Data
 Pre-Mating Period

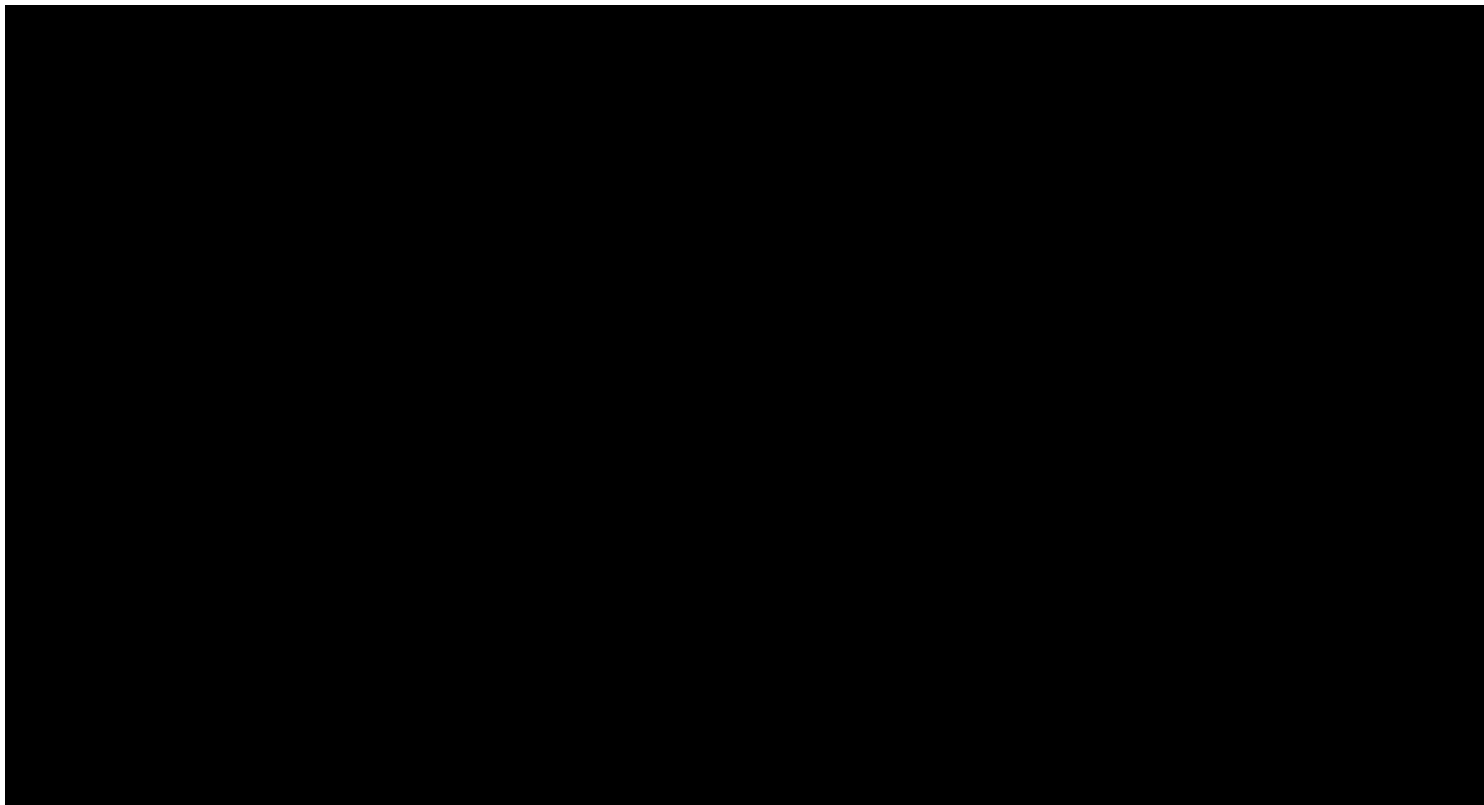
Group 3, BNT162b2, 30 µg

Female number	Stage of cycle on day of smearing:															Mean cycle length (days)	Irregularity index	% days in estrus
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
245	E	M	D	D	P	M	D	D	D	D	D	D	D	D	M	Acyclic		
246	PE	E	M	D	D	D	D	D	D	D	D	D	D	M	D	Acyclic		
247	P	M	D	E	M	P	M	E	M	M	P	E	M	D	P	4.0	0.0	20.0
248	D	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
249	D	P	E	D	P	E	E	M	D	P	E	D	D	P	E	4.0	0.5	33.3
250	P	E	M	M	D	P	E	M	D	P	E	M	D	P	E	4.3	0.3	26.7
251	P	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	26.7
252	D	P	E	M	M	D	E	M	M	P	E	M	D	P	E	4.0	0.0	26.7
253	M	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
254	D	P	E	M	D	P	E	M	M	P	E	M	D	P	E	4.0	0.0	26.7
255	D	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4.0	0.0	20.0
256	P	E	M	D	P	E	M	M	P	E	M	D	P	E	M	4.0	0.0	26.7
257	D	P	E	M	D	D	D	D	D	D	D	D	D	D	D	Acyclic		
258	P	E	M	D	D	D	D	D	D	D	D	D	D	D	E	Acyclic Period		
259	D	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4.0	0.0	26.7
260	P	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	26.7
261	PE	M	P	E	M	D	P	E	M	M	D	E	D	D	P	4.0	0.0	26.7
262	D	D	D	D	E	E	M	D	P	E	M	D	P	E	M	4.5	0.4	26.7
263	E	M	D	D	P	E	M	D	P	E	M	D	P	E	M	4.0	0.0	26.7
264	D	P	P	E	M	D	P	E	M	M	P	E	M	D	P	4.0	0.0	20.0
265	E	M	D	P	E	M	D	P	E	M	M	P	E	M	D	4.0	0.0	26.7
266	D	D	D	D	D	P	M	D	P	E	M	D	P	E	D	Acyclic Period		

D = di-estrus P = pro-estrus E = estrus M = met-estrus

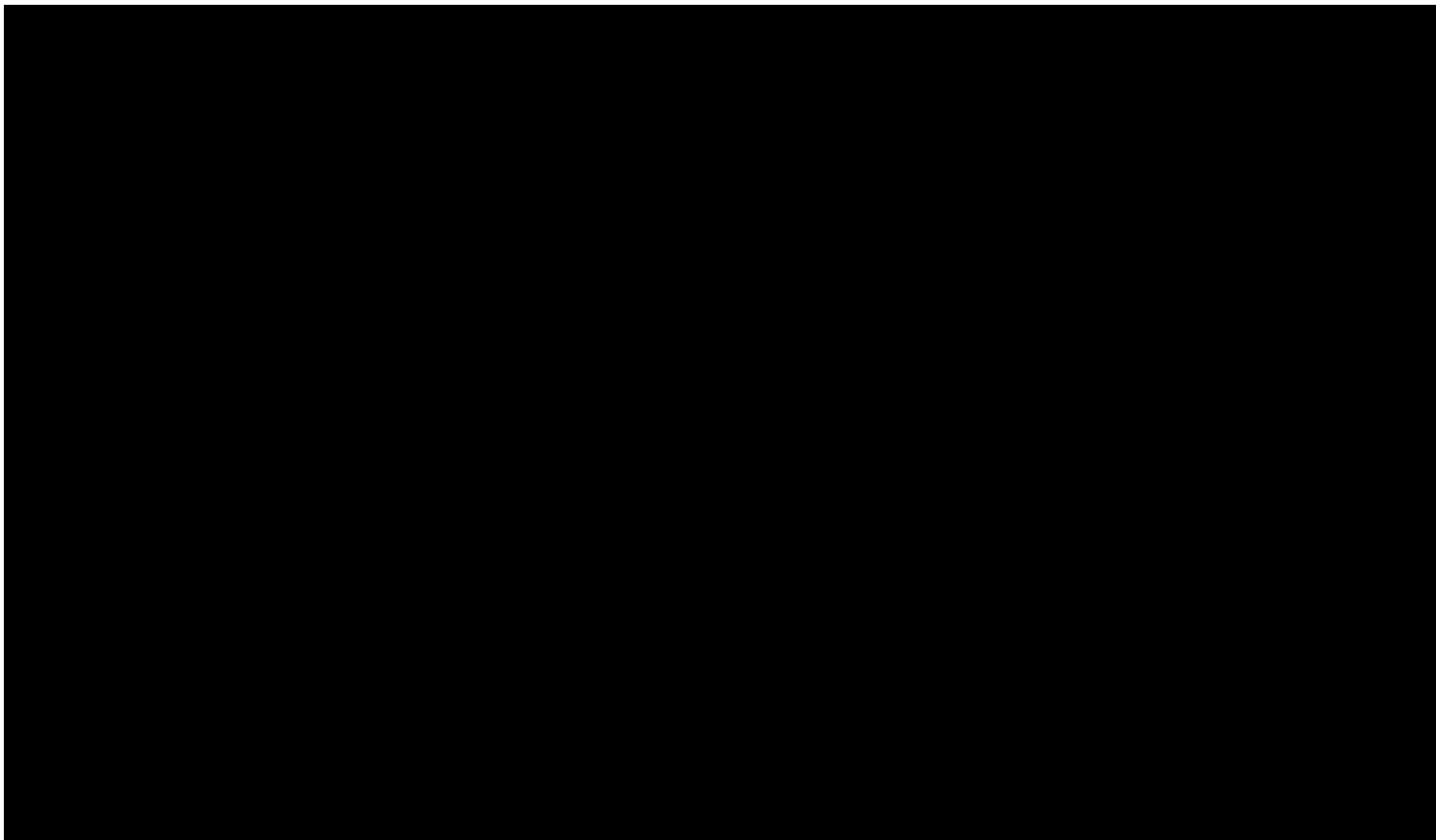
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Individual Estrous Cycle Data
Pre-Mating Period



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Individual Estrous Cycle Data
Pre-Mating Period



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20256434
 Individual Estrous Cycle Data
 From Mating

Group 1, Control, 0 µg

Female number	Stage of cycle on day of smearing:												
	23	24	25	26	27	28	29	30	31	32	33	34	35
1	M	D	P	E+									
2	D	P	E+										
3	M	D	P	E+									
4	P	E+											
5	E+												
6	M	D	P	E+									
7	P	E+											
8	D	P	E+										
9	M	D	P	E+									
10	P	E+											
11	M	D	P	E+									
12	D	P	E+										
13	M	D	P	E+									
14	D+												
15	D	D	D	D	D	D	D	D	D	E+			
16	E+												
17	D	D	D	D	D	D	D	D	D	D	D	P	E+
18	M	D	P	E+									
19	D+												
20	D	D	D+										
21	M	D	P	E+									
22	D	D	D+										

20256434
 Individual Estrous Cycle Data
 From Mating

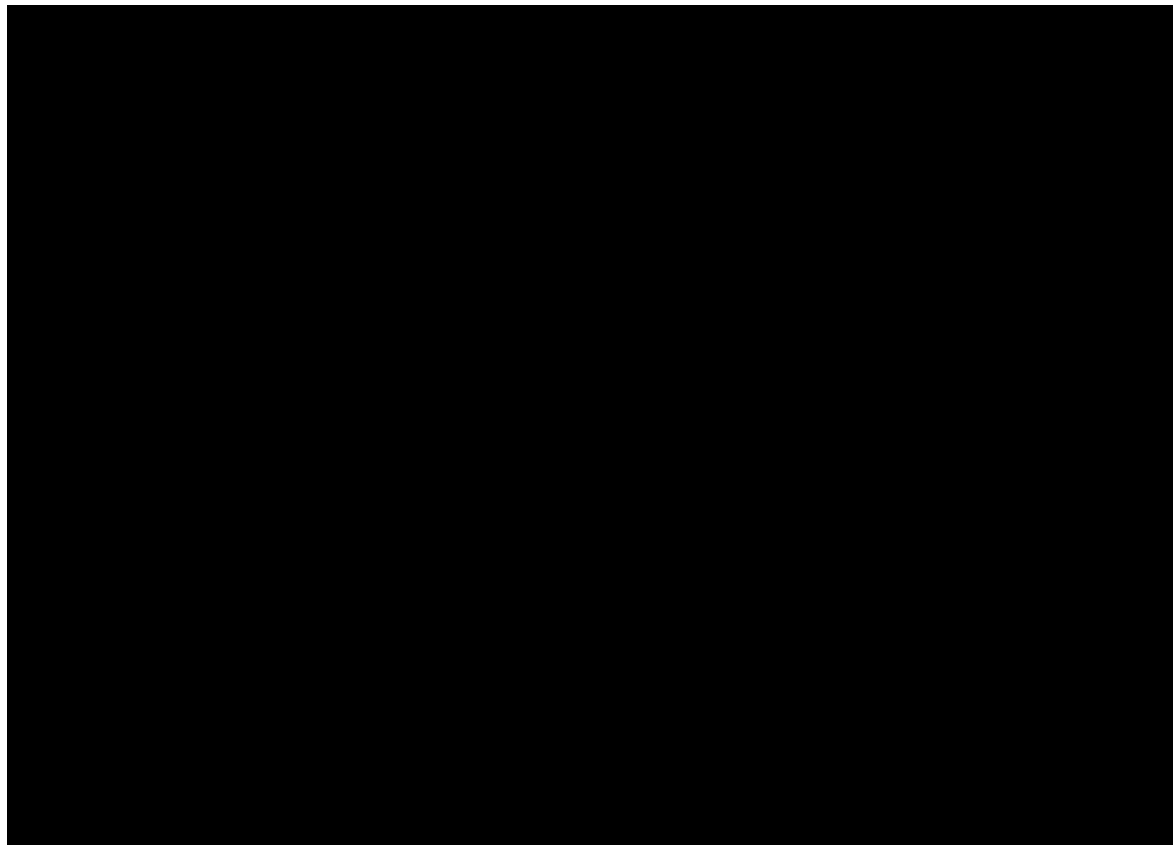
Group 1, Control, 0 µg

Female number	Stage of cycle on day of smearing:												
	23	24	25	26	27	28	29	30	31	32	33	34	35
201	M	D	P	E+									
202	D	P	E+										
203	D	P	E+										
204	E+												
205	D	E+											
206	P	E+											
207	D	D+											
208	D	D+											
209	E+												
210	E+												
211	BV+												
212	P	E+											
213	M	D	P	BV+									
214	E+												
215	E+												
216	M	D	P	E+									
217	M	D	P	E+									
218	D	D+											
219	P	E+											
220	P	E+											
221	M	D	P	E+									
222	D	P	E+										

D = di-estrus P = pro-estrus E = estrus M = met-estrus BV = vaginal plug
 +: Positive

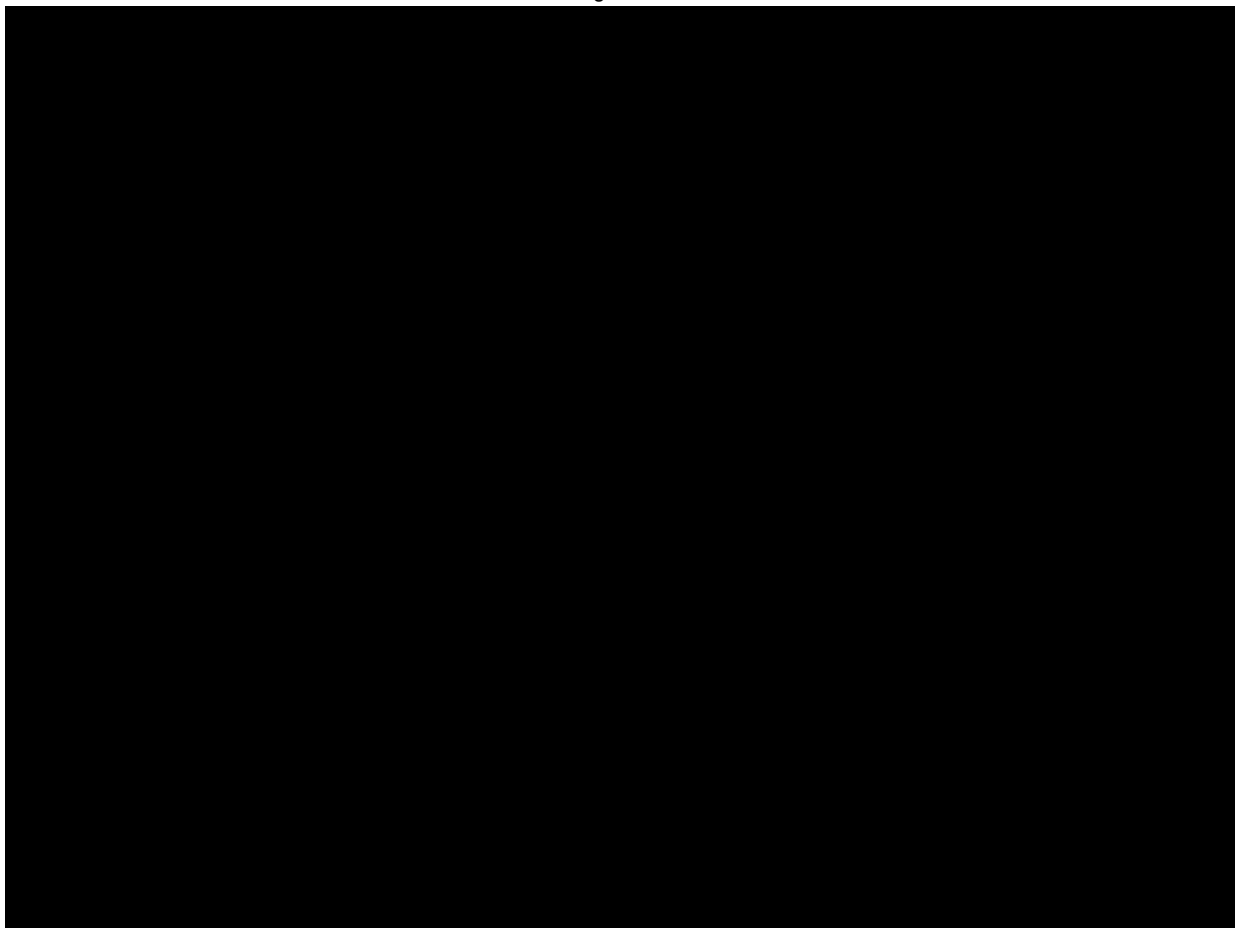
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Individual Estrous Cycle Data
From Mating



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Individual Estrous Cycle Data
From Mating



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 Individual Estrous Cycle Data
 From Mating

Group 3, BNT162b2, 30 µg

Female number	Stage of cycle on day of smearing:									
	23	24	25	26	27	28	29	30	31	32
45	E+									
46	D	D	D	P	D	P	D	D	D	E+
47	E+									
48	P	E+								
49	M	D	P	E+						
50	D	D	BV+							
51	M	D	P	E+						
52	D	D	E+							
53	M	P	P	E+						
54	M	M	P	E+						
55	D	P	E+							
56	D+									
57	D	P	E+							
58	D	D	D+							
59	D	D	D+							
60	E+									
61	E+									
62	E+									
63	E+									
64	P	D	D+							
65	M	D	P	E+						
66	M	D	P	E+						

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 Individual Estrous Cycle Data
 From Mating

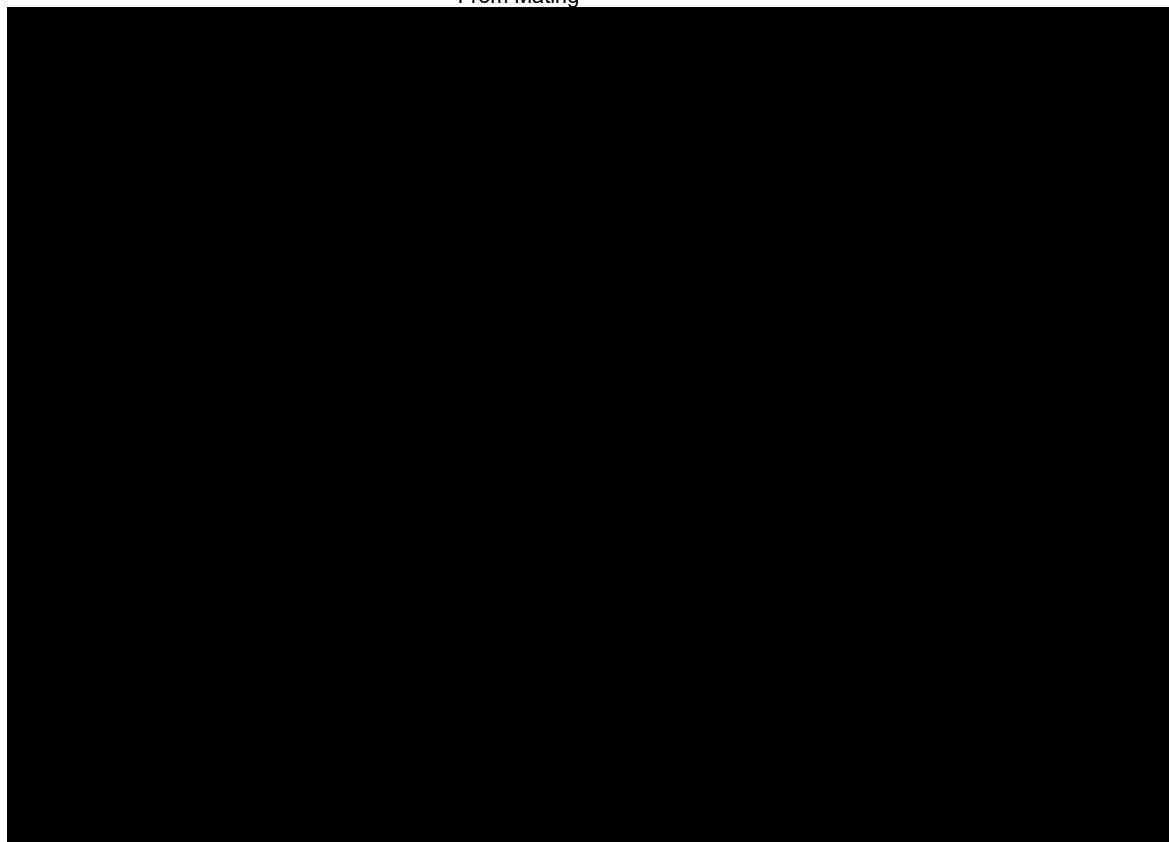
Group 3, BNT162b2, 30 µg

Female number	Stage of cycle on day of smearing:									
	23	24	25	26	27	28	29	30	31	32
245	D	D	D	D	D+					
246	P	P	E+							
247	E+									
248	E+									
249	M	D	P	E+						
250	M	D	P	E+						
251	M	P	E+							
252	M	D	P	BV+						
253	E+									
254	M	M	P	BV+						
255	E+									
256	M	P	E+							
257	D	D+								
258	M	D	P	E+						
259	M	D	P	E+						
260	D	P	E+							
261	E+									
262	D	P	E+							
263	P	P	P	M+						
264	E+									
265	D	E+								
266	D	P	E+							

D = di-estrus P = pro-estrus E = estrus M = met-estrus BV = vaginal plug
 +: Positive

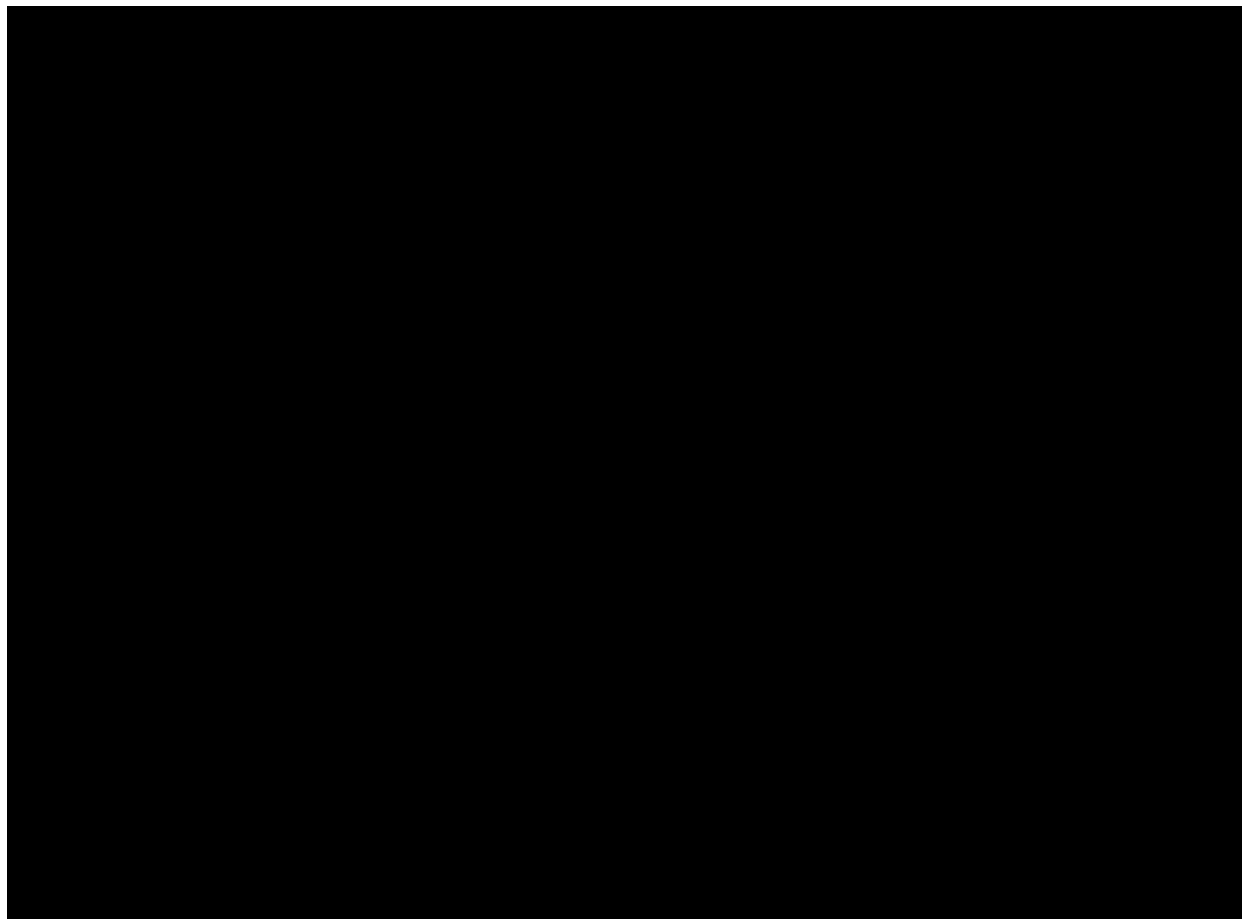
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Individual Estrous Cycle Data
From Mating



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20256434
Individual Estrous Cycle Data
From Mating



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Provantis
 Individual Mating Performance
 20256434

19-Oct-2020 16:29:25

Page: 1

Sex: Female Day(s) Relative to Pairing (Litter: A)

Control 0mcg	Pairing Male	Pre-coital Interval (Days)	Pregnancy Type
	-	-	-
201	301	4	.
202	302	3	.
203	303	3	.
204	304	1	.
205	305	2	.
206	306	2	.
207	307	2	.
208	308	2	.
209	309	1	.
210	310	1	.
211	311	1	.
212	312	2	.
213	313	4	.
214	314	1	.
215	315	1	.
216	316	4	.
217	317	4	.
218	318	2	.

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Provantis
 Individual Mating Performance

19-Oct-2020 16:29:25 Page: 2

20256434

Sex: Female Day(s) Relative to Pairing (Litter: A)

Control 0mcg	Pairing Male	Pre-coital Interval (Days)	Pregnancy Type
	-	-	-
219	319	2	.
220	320	2	.
221	321	4	.
222	322	3	.
1	301	4	P
2	302	3	P
3	303	4	P
4	304	2	P
5	305	1	P
6	306	4	P
7	307	2	P
8	308	3	P
9	309	4	P
10	310	2	P
11	311	4	P
12	312	3	P
13	313	4	P
14	314	1	P

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Provantis

19-Oct-2020 16:29:25

Page: 3

Individual Mating Performance

20256434

Sex: Female Day(s) Relative to Pairing (Litter: A)

Control Omcg	Pairing Male	Pre-coital Interval (Days)	Pregnancy Type
	-	-	-
15	315	10	P
16	316	1	P
17	317	13	P
18	318	4	P
19	319	1	P
20	320	3	NP
21	321	4	P
22	322	3	P
Mean	-	3.0	-
SD	-	2.2	-
N	-	44	-

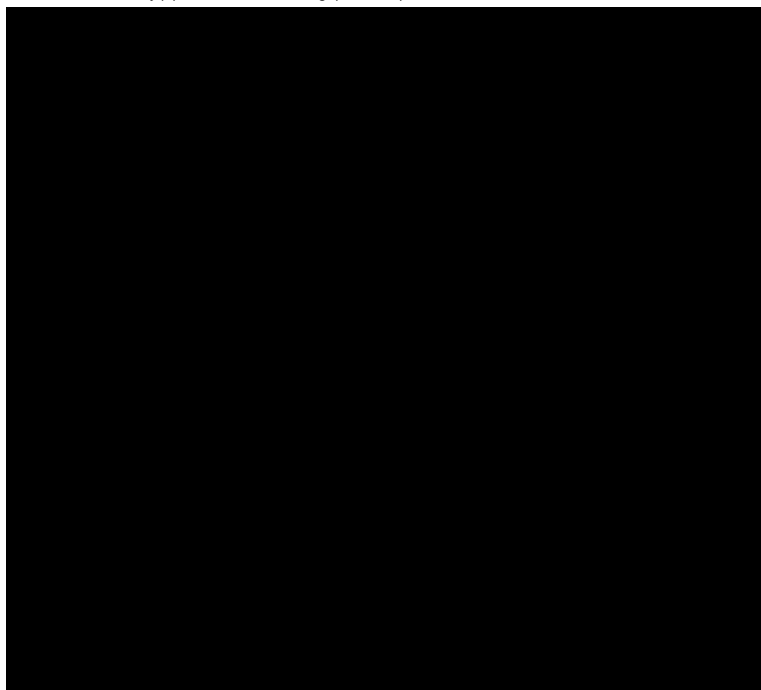
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Individual Mating Performance
20256434

19-Oct-2020 16:29:25

Page: 4

Sex: Female Day(s) Relative to Pairing (Litter: A)



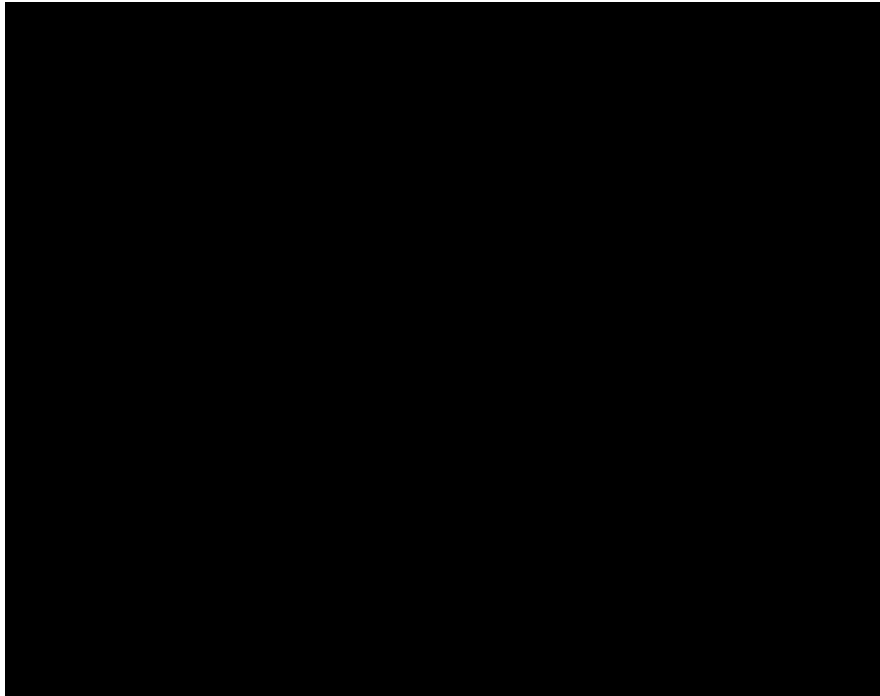
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Individual Mating Performance
20256434

19-Oct-2020 16:29:25

Page: 5

Sex: Female Day(s) Relative to Pairing (Litter: A)



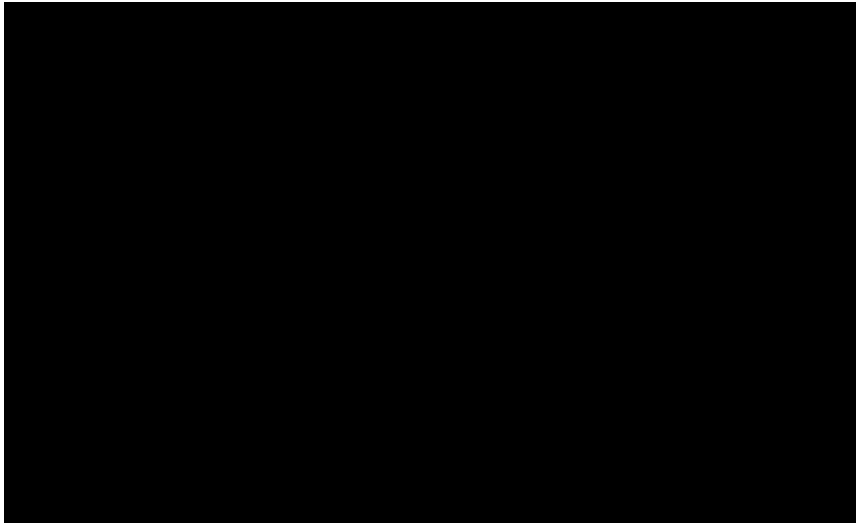
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Individual Mating Performance
20256434

19-Oct-2020 16:29:25

Page: 6

Sex: Female Day(s) Relative to Pairing (Litter: A)



Provantis
 Individual Mating Performance

19-Oct-2020 16:29:25 Page: 7

20256434

Sex: Female Day(s) Relative to Pairing (Litter: A)

BNT162b2 30mcg	Pairing Male	Pre-coital Interval (Days)	Pregnancy Type
	-	-	-
245	345	5	.
246	346	3	.
247	347	1	.
248	348	1	.
249	349	4	.
250	350	4	.
251	351	3	.
252	352	4	.
253	353	1	.
254	354	4	NP
255	355	1	.
256	356	3	.
257	357	2	.
258	358	4	.
259	359	4	.
260	360	3	.
261	361	1	.
262	362	3	.

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Provantis
 Individual Mating Performance
 20256434

19-Oct-2020 16:29:25

Page: 8

Sex: Female Day(s) Relative to Pairing (Litter: A)

BNT162b2 30mcg	Pairing Male	Pre-coital Interval (Days)	Pregnancy Type
	-	-	-
263	363	4	.
264	364	1	.
265	365	2	.
266	366	3	.
45	345	1	P
46	346	10	P
47	347	1	P
48	348	2	P
49	349	4	P
50	350	3	P
51	351	4	P
52	352	3	P
53	353	4	P
54	354	4	P
55	355	3	P
56	356	1	NP
57	357	3	P
58	358	3	P

CONFIDENTIAL

Provantis

19-Oct-2020 16:29:25

Page: 9

Individual Mating Performance

20256434

Sex: Female Day(s) Relative to Pairing (Litter: A)

BNT162b2 30mcg	Pairing Male	Pre-coital Interval (Days)	Pregnancy Type
	-	-	-
59	359	3	P
60	360	1	P
61	361	1	P
62	362	1	P
63	363	1	P
64	364	3	P
65	365	4	P
66	366	4	P
Mean	-	2.8	-
SD	-	1.7	-
N	-	44	-

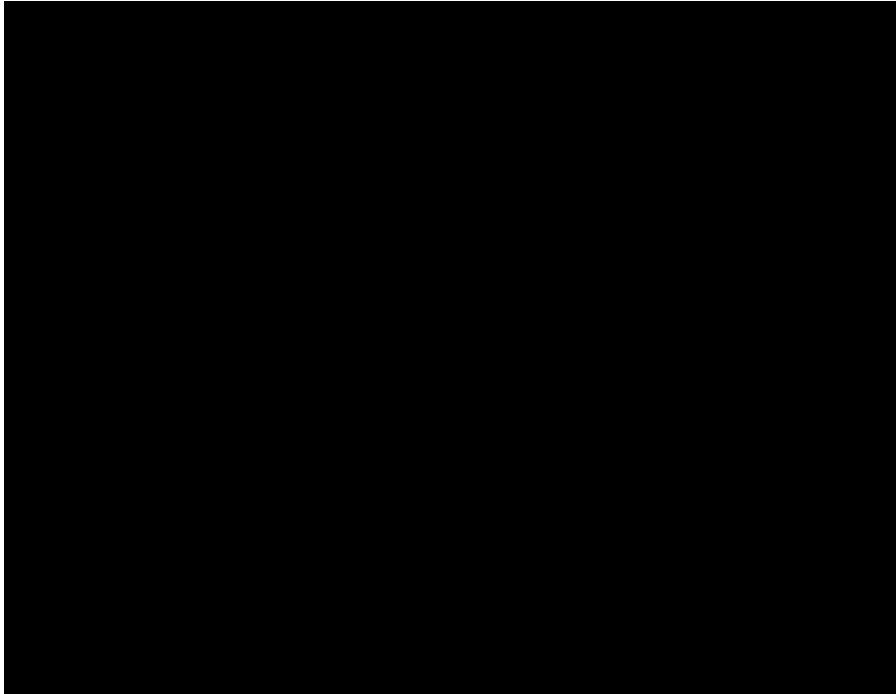
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Provantis
Individual Mating Performance
20256434

19-Oct-2020 16:29:25

Page: 10

Sex: Female Day(s) Relative to Pairing (Litter: A)



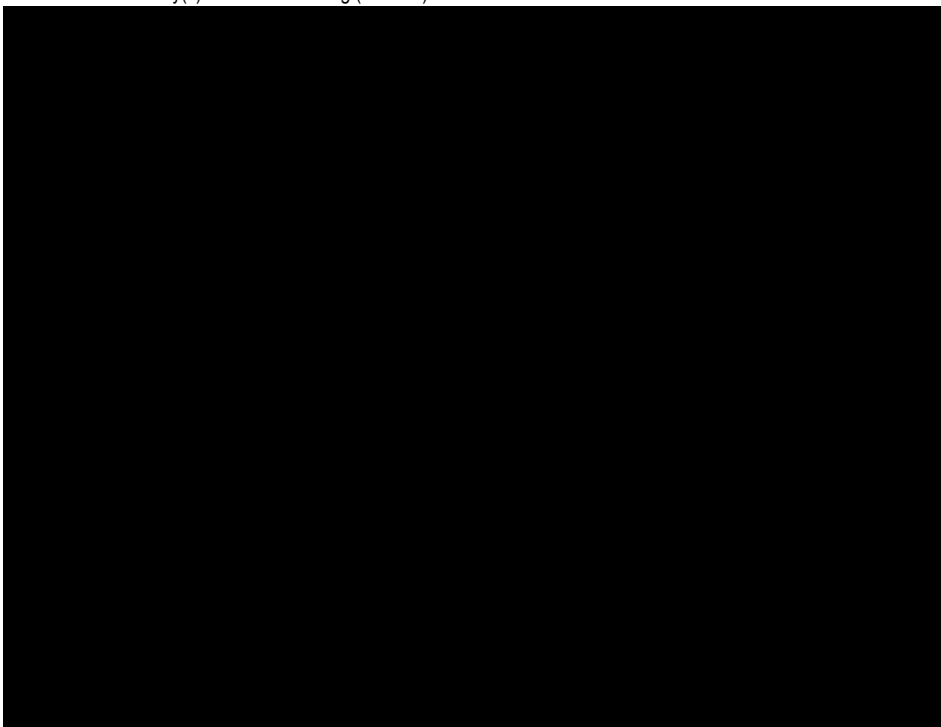
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Provantis
Individual Mating Performance
20256434

19-Oct-2020 16:29:25

Page: 11

Sex: Female Day(s) Relative to Pairing (Litter: A)



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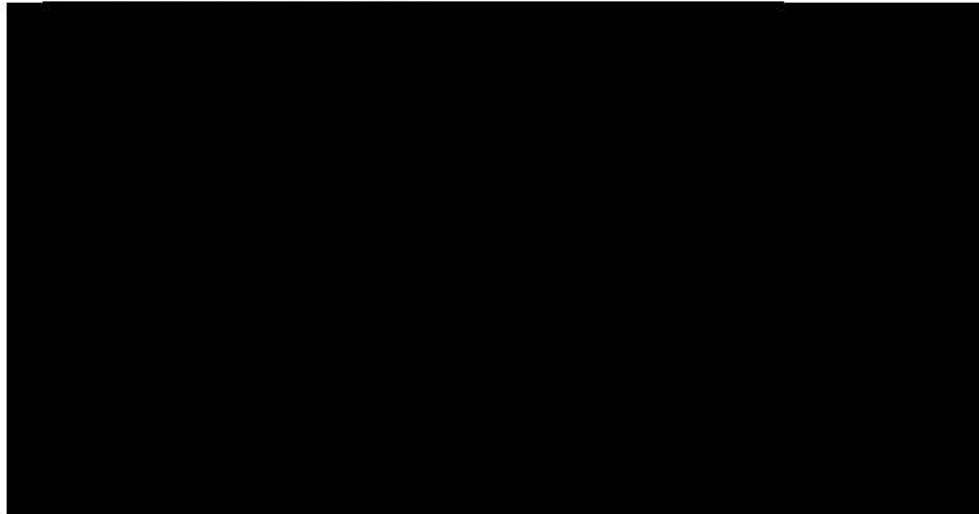
19-Oct-2020 16:29:25

Page: 12

Individual Mating Performance

20256434

Sex: Female Day(s) Relative to Pairing (Litter: A)



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19-Oct-2020 16:20:25

Page: 1

Individual Gravid Uterus Weight and Maternal Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Gravid Uterus (g)	Necropsy BW (g)	Adjusted BW (g)	Net BWC from G6 (g)	Net BWC - Uterine Wt (g)	Mean Foetal Wt (Both) (g)	No. Live Foetuses
	G21	G21	-	G6-G21	G6-G21	G21	-
	1	79.3	331.3	252.0	108.9	29.6	5.0	11
2	94.8	353.0	258.2	107.2	12.4	4.7	15
3	98.7	372.5	273.8	114.0	15.3	4.6	16
4	86.5	367.1	280.6	105.4	18.9	4.6	14
5	85.4	340.0	254.6	104.9	19.5	5.0	13
6	69.4	372.6	303.2	92.9	23.5	5.2	10
7	93.5	401.1	307.6	109.9	16.4	5.1	14
8	79.0	365.0	286.0	105.8	26.8	5.0	12
9	89.3	371.2	281.9	100.5	11.2	5.1	13
10	78.6	353.4	274.8	93.9	15.3	5.3	11
11	80.7	360.9	280.2	105.4	24.7	5.1	12
12	85.1	361.1	276.0	95.9	10.8	4.9	13
13	86.1	348.6	262.5	98.7	12.6	4.6	14
14	84.4	346.1	261.7	104.0	19.6	4.7	13
15	88.9	388.3	299.4	116.0	27.1	5.0	13
16	81.9	348.6	266.7	94.5	12.6	4.6	13
17	96.3	429.2	332.9	112.6	16.3	4.6	15
18	95.6	398.9	303.3	105.2	9.6	5.1	14

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Provantis

19-Oct-2020 16:20:25

Page: 2

Individual Gravid Uterus Weight and Maternal Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control Omcg	Gravid Uterus (g)	Necropsy BW (g)	Adjusted BW (g)	Net BWC from G6 (g)	Net BWC - Uterine Wt (g)	Mean Foetal Wt (Both) (g)	No. Live Foetuses
	G21	G21	-	G6-G21	G6-G21	G21	-
	19	77.8	331.3	253.5	97.1	19.3	5.0	12
20 NP	NRQ E ¹	272.7 E ¹	. E ¹	-6.4 E ¹	. E ¹	. E ¹	. E ¹
21	97.4	361.8	264.4	99.4	2.0	4.6	16
22	84.1	394.8	310.7	117.1	33.0	4.8	13
Mean	86.32	366.51	280.19	104.25	17.93	4.89	13.2
SD	7.69	24.72	22.08	7.27	7.54	0.23	1.6
N	21	21	21	21	21	21	21

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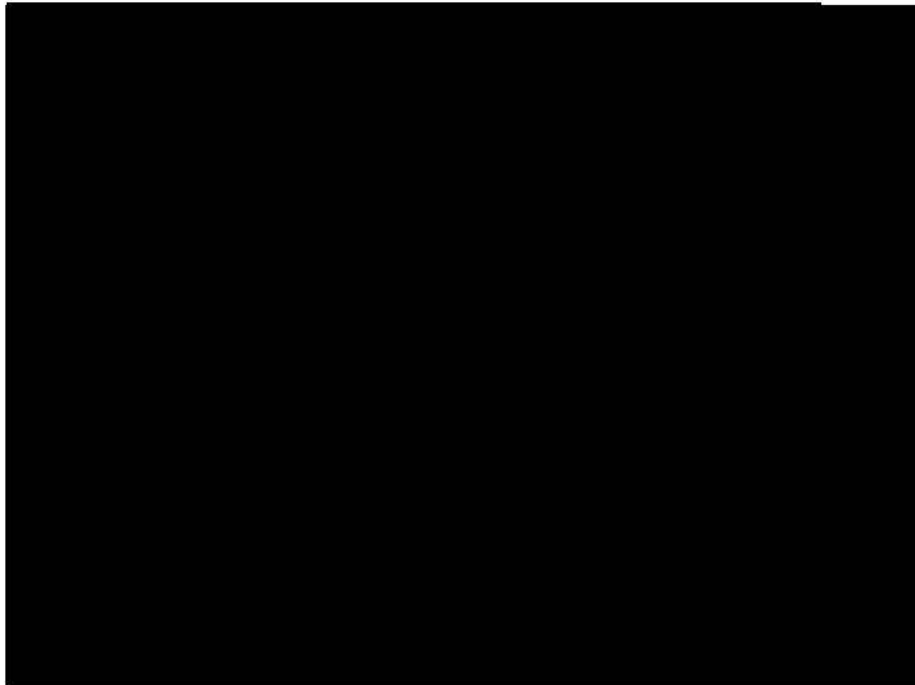
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Page: 3

Individual Gravid Uterus Weight and Maternal Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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19-Oct-2020 16:20:25

Page: 4

Individual Gravid Uterus Weight and Maternal Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



Provantis

19-Oct-2020 16:20:25

Page: 5

Individual Gravid Uterus Weight and Maternal Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Gravid Uterus (g)	Necropsy BW (g)	Adjusted BW (g)	Net BWC from G6 (g)	Net BWC - Uterine Wt (g)	Mean Foetal Wt (Both) (g)	No. Live Foetuses
	G21	G21	-	G6-G21	G6-G21	G21	-
	45	85.1	348.7	263.6	92.6	7.5	4.7	13
46	111.3	411.1	299.8	100.5	-10.8	4.9	17
47	79.1	335.7	256.6	89.0	9.9	4.9	12
48	67.9	311.4	243.5	59.3	-8.6	4.8	10
49	80.6	359.0	278.4	93.7	13.1	4.5	13
50	60.9	300.4	239.5	65.4	4.5	4.7	9
51	104.3	394.2	289.9	110.7	6.4	5.2	15
52	94.2	368.7	274.5	115.2	21.0	5.3	13
53	99.6	356.8	257.2	119.3	19.7	4.5	16
54	90.5	356.0	265.5	98.9	8.4	5.3	13
55	88.1	356.8	268.7	86.3	-1.8	5.1	13
56 NP	NRQ E ¹	310.2 E ¹	. E ¹	-10.0 E ¹	. E ¹	. E ¹	. E ¹
57	104.5	356.3	251.8	108.9	4.4	5.0	15
58	83.2	343.9	260.7	80.9	-2.3	4.4	14
59	83.3	359.9	276.6	90.0	6.7	4.6	13
60	83.8	346.4	262.6	86.1	2.3	5.2	12
61	89.9	368.7	278.8	105.5	15.6	5.2	13
62	93.5	350.0	256.5	96.8	3.3	4.8	14

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CONFIDENTIAL

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19-Oct-2020 16:20:25

Page: 6

Individual Gravid Uterus Weight and Maternal Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Gravid Uterus (g)	Necropsy BW (g)	Adjusted BW (g)	Net BWC from G6 (g)	Net BWC - Uterine Wt (g)	Mean Foetal Wt (Both) (g)	No. Live Foetuses
	G21	G21	-	G6-G21	G6-G21	G21	-
63	73.5	329.7	256.2	81.9	8.4	4.6	12
64	83.1	345.0	261.9	93.9	10.8	4.9	12
65	111.2	374.8	263.6	102.7	-8.5	4.9	17
66	73.0	307.3	234.3	79.5	6.5	5.5	10
Mean	87.65	351.47	263.82	93.20	5.55	4.90	13.1
SD	13.48	26.24	15.75	15.12	8.56	0.30	2.1
N	21	21	21	21	21	21	21
%Diff	-	-4.11	-	-	-	0.25	-

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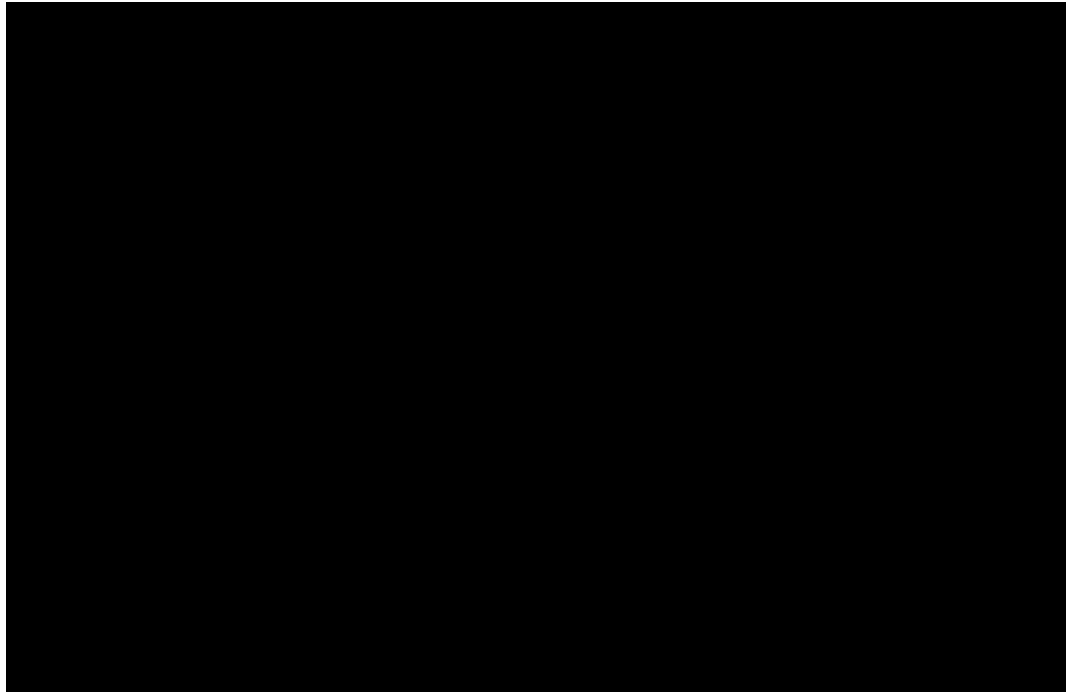
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Individual Gravid Uterus Weight and Maternal Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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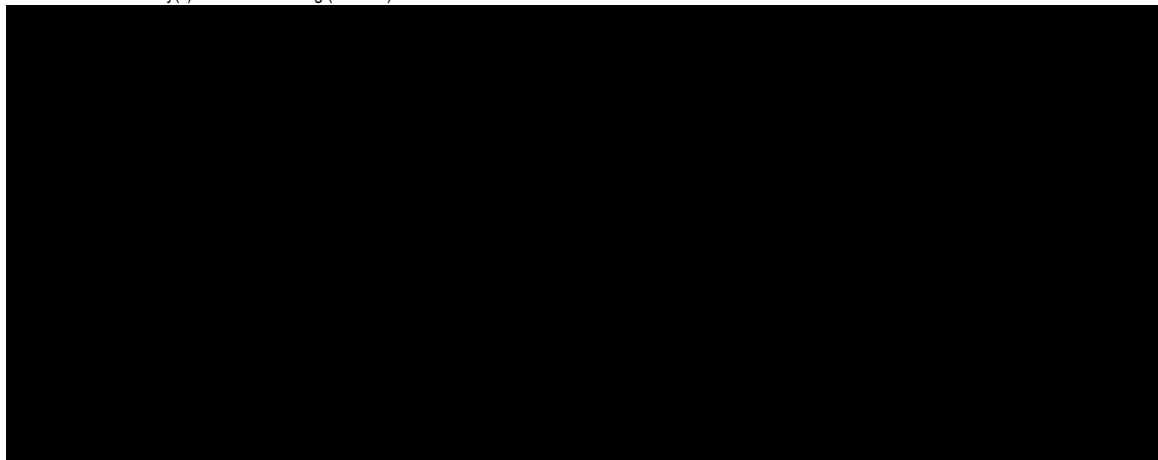
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Page: 8

Individual Gravid Uterus Weight and Maternal Body Weight Change

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



CONFIDENTIAL

Provantis

07-Dec-2020 10:58:31

Page: 1

Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control Omcg	No. Corpora Lutea	No. Implants	Pre- Implant Loss	Pre-Impl. Loss (%)	No. Early Resorptions	No. Late Resorptions	Dead Foetuses	Post- Implant Loss	Post- Implant Loss (%)	No. Live Foetuses	No. Male Foetuses	No. Female Foetuses	Male Foetuses (%)	Total Litter Weight (g)
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	14	14	0	0.0	2	1	0	3	21.4	11	4	7	36.4	55.5
2	15	15	0	0.0	0	0	0	0	0.0	15	7	8	46.7	69.8
3	17	16	1	5.9	0	0	0	0	0.0	16	7	9	43.8	74.3
4	16	16	0	0.0	2	0	0	2	12.5	14	6	8	42.9	64.5
5	15	14	1	6.7	1	0	0	1	7.1	13	3	10	23.1	64.6
6	12	10	2	16.7	0	0	0	0	0.0	10	7	3	70.0	52.1
7	14	14	0	0.0	0	0	0	0	0.0	14	7	7	50.0	71.2
8	17	17	0	0.0	5	0	0	5	29.4	12	6	6	50.0	59.9
9	17	13	4	23.5	0	0	0	0	0.0	13	8	5	61.5	65.9
10	13	12	1	7.7	0	1	0	1	8.3	11	9	2	81.8	58.2
11	12	12	0	0.0	0	0	0	0	0.0	12	5	7	41.7	60.8
12	14	14	0	0.0	1	0	0	1	7.1	13	7	6	53.8	63.6
13	15	15	0	0.0	0	1	0	1	6.7	14	7	7	50.0	64.1
14	14	14	0	0.0	1	0	0	1	7.1	13	6	7	46.2	61.3
15	16	14	2	12.5	1	0	0	1	7.1	13	8	5	61.5	65.5
16	14	13	1	7.1	0	0	0	0	0.0	13	3	10	23.1	60.2
17	16	16	0	0.0	1	0	0	1	6.3	15	6	9	40.0	69.5
18	14	14	0	0.0	0	0	0	0	0.0	14	5	9	35.7	71.3

CONFIDENTIAL

Provantis
 Individual Caesarean Section Data

07-Dec-2020 10:58:31 Page: 2

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Mean	Mean	Mean
	Foetal	Foetal	Foetal
	Wt (Both) (g)	Wt (M) (g)	Wt (F) (g)
	-	-	-
1	5.0	5.1	5.0
2	4.7	4.7	4.7
3	4.6	4.9	4.5
4	4.6	4.9	4.4
5	5.0	5.1	4.9
6	5.2	5.2	5.2
7	5.1	5.2	5.0
8	5.0	5.0	5.0
9	5.1	5.2	4.9
10	5.3	5.4	5.0
11	5.1	5.2	5.0
12	4.9	5.0	4.8
13	4.6	4.5	4.6
14	4.7	4.9	4.6
15	5.0	5.1	5.0
16	4.6	4.8	4.6
17	4.6	4.8	4.5
18	5.1	5.1	5.1

CONFIDENTIAL

Provantis

07-Dec-2020 10:58:31

Page: 3

Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control Omcg	No. Corpora Lutea	No. Implants	Pre- Implant Loss	Pre-Impl. Loss (%)	No. Early Resorptions	No. Late Resorptions	Dead Foetuses	Post- Implant Loss	Post- Implant Loss (%)	No. Live Foetuses	No. Male Foetuses	No. Female Foetuses	Male Foetuses (%)	Total Litter Weight (g)
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	13	13	0	0.0	1	0	0	1	7.7	12	4	8	33.3	60.2
20 NP	0 E ¹	E ¹	E ¹	E ¹	E ¹	E ¹	E ¹	E ¹	E ¹	E ¹	E ¹	E ¹	E ¹	E ¹
21	17	16	1	5.9	0	0	0	0	0.0	16	9	7	56.3	74.2
22	14	14	0	0.0	1	0	0	1	7.1	13	5	8	38.5	62.2
Mean	14.7	14.1	0.6	4.09	0.8	0.1	0.0	0.9	6.10	13.2	6.1	7.0	46.96	64.23
SD	1.6	1.6	1.0	6.56	1.2	0.4	0.0	1.2	7.64	1.6	1.7	2.1	14.27	5.91
N	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Sum	309	296	13	.	16	3	0	19	.	277	129	148	.	.

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07-Dec-2020 10:58:31

Page: 4

Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

Control 0mcg	Mean Foetal Wt (Both) (g)	Mean Foetal Wt (M) (g)	Mean Foetal Wt (F) (g)
	-	-	-
19	5.0	5.2	4.9
20 NP	- E ¹	- E ¹	- E ¹
21	4.6	4.8	4.4
22	4.8	4.9	4.7
Mean	4.89	5.00	4.79
SD	0.23	0.21	0.24
N	21	21	21
Sum	-	-	-

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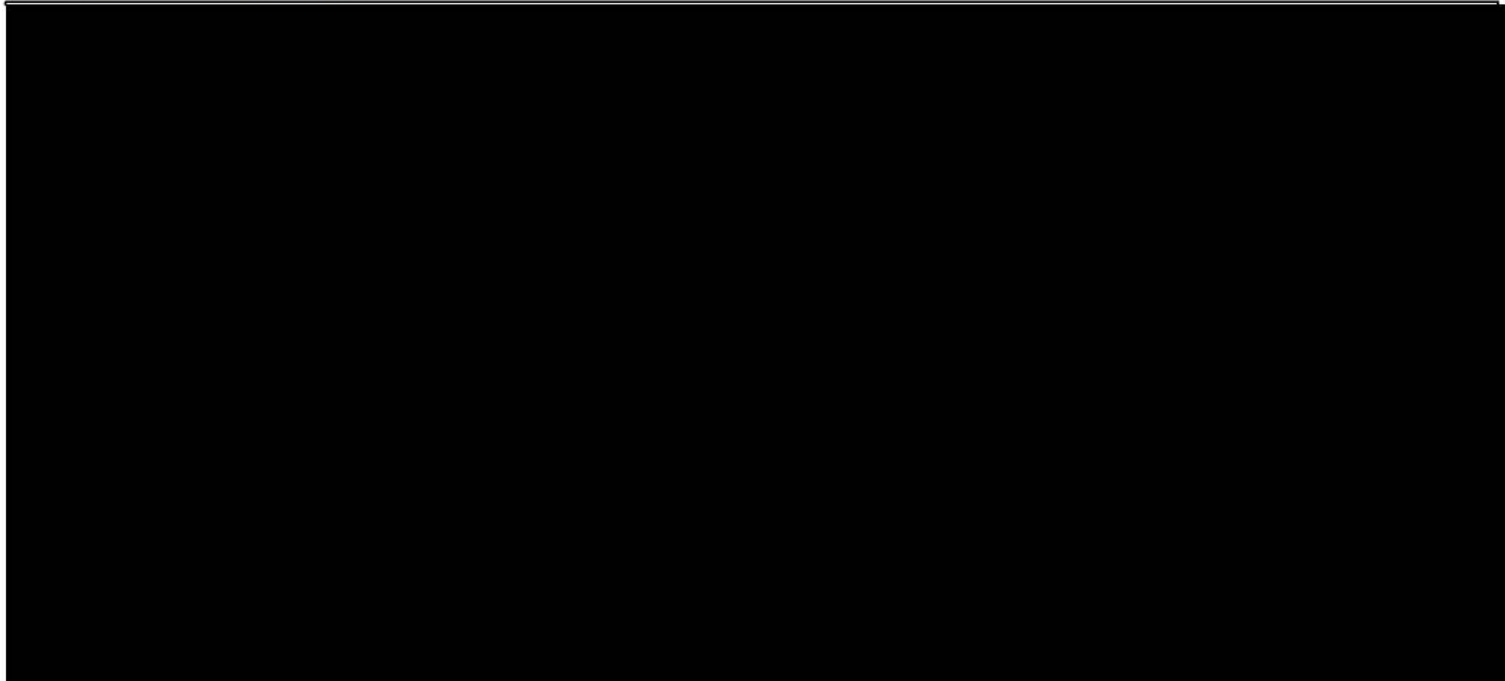
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Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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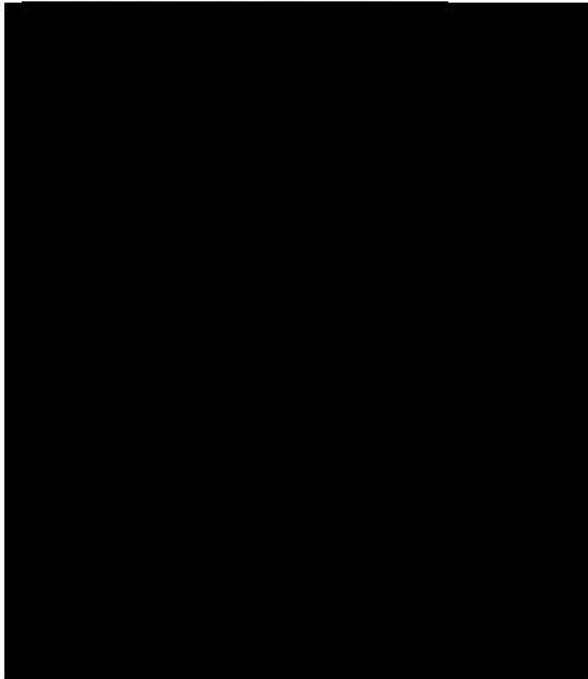
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Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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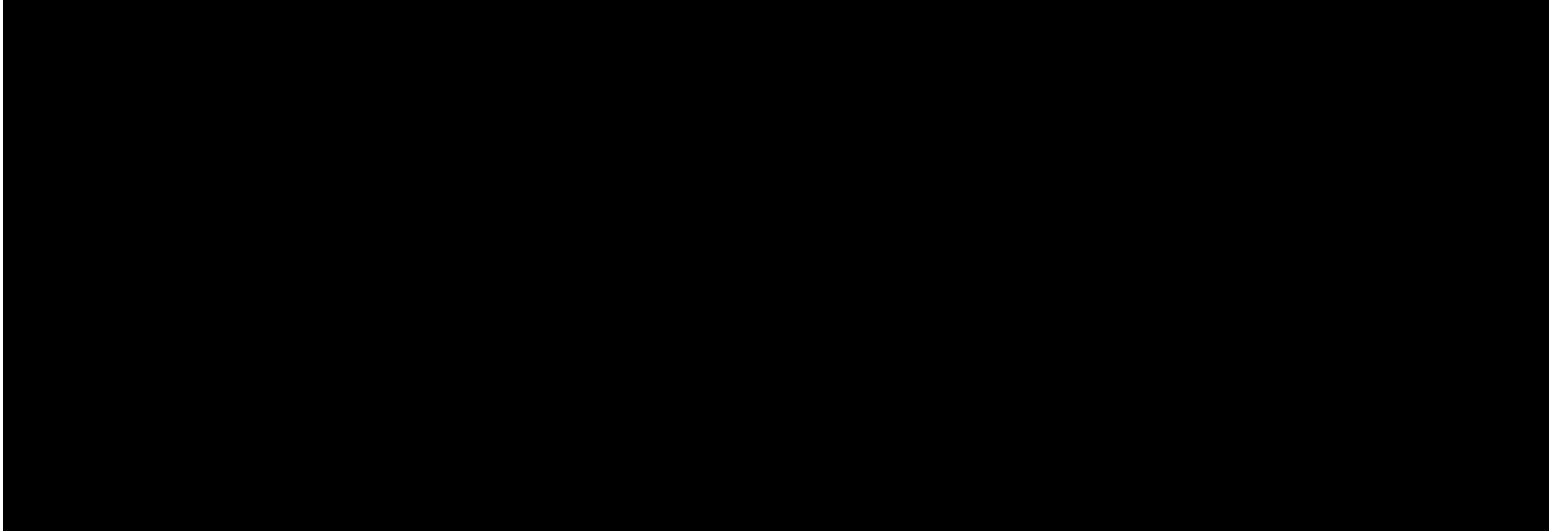
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Individual Caesarean Section Data
20256434

07-Dec-2020 10:58:31

Page: 7

Sex: Female Day(s) Relative to Mating (Litter: A)

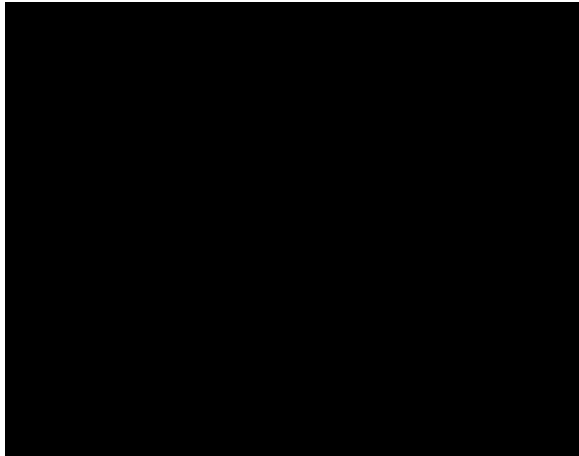


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Individual Caesarean Section Data
20256434

07-Dec-2020 10:58:31

Page: 8

Sex: Female Day(s) Relative to Mating (Litter: A)



Provantis

07-Dec-2020 10:58:31

Page: 9

Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	No. Corpora Lutea	No. Implants	Pre- Implant Loss	Pre-Impl. Loss (%)	No. Early Resorptions	No. Late Resorptions	Dead Foetuses	Post- Implant Loss	Post- Implant Loss (%)	No. Live Foetuses	No. Male Foetuses	No. Female Foetuses	Male Foetuses (%)	Total Litter Weight (g)
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	16	14	2	12.5	1	0	0	1	7.1	13	6	7	46.2	61.3
46	18	17	1	5.6	0	0	0	0	0.0	17	10	7	58.8	82.7
47	16	12	4	25.0	0	0	0	0	0.0	12	6	6	50.0	59.1
48	12	10	2	16.7	0	0	0	0	0.0	10	5	5	50.0	48.5
49	20	17	3	15.0	4	0	0	4	23.5	13	7	6	53.8	58.0
50	14	10	4	28.6	1	0	0	1	10.0	9	5	4	55.6	42.3
51	16	15	1	6.3	0	0	0	0	0.0	15	10	5	66.7	78.2
52	16	15	1	6.3	2	0	0	2	13.3	13	6	7	46.2	68.4
53	20	16	4	20.0	0	0	0	0	0.0	16	9	7	56.3	71.2
54	15	14	1	6.7	1	0	0	1	7.1	13	9	4	69.2	68.5
55	15	14	1	6.7	1	0	0	1	7.1	13	5	8	38.5	66.8
56 NP	0 E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹
57	15	15	0	0.0	0	0	0	0	0.0	15	8	7	53.3	75.6
58	16	16	0	0.0	1	1	0	2	12.5	14	8	6	57.1	61.9
59	17	16	1	5.9	1	2	0	3	18.8	13	3	10	23.1	59.5
60	14	12	2	14.3	0	0	0	0	0.0	12	7	5	58.3	62.1
61	14	13	1	7.1	0	0	0	0	0.0	13	6	7	46.2	67.9
62	15	14	1	6.7	0	0	0	0	0.0	14	9	5	64.3	67.6

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CONFIDENTIAL

Provantis
 Individual Caesarean Section Data

07-Dec-2020 10:58:31 Page: 10

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Mean Foetal Wt (Both) (g)	Mean Foetal Wt (M) (g)	Mean Foetal Wt (F) (g)
	-	-	-
45	4.7	4.8	4.6
46	4.9	4.9	4.8
47	4.9	5.1	4.8
48	4.8	4.9	4.8
49	4.5	4.5	4.4
50	4.7	5.0	4.4
51	5.2	5.3	5.1
52	5.3	5.4	5.2
53	4.5	4.6	4.2
54	5.3	5.3	5.2
55	5.1	5.4	5.0
56 NP	. E ¹	. E ¹	. E ¹
57	5.0	5.1	5.0
58	4.4	4.5	4.3
59	4.6	4.7	4.6
60	5.2	5.3	5.0
61	5.2	5.4	5.1
62	4.8	4.9	4.7

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CONFIDENTIAL

Provantis

07-Dec-2020 10:58:31

Page: 11

Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	No. Corpora Lutea	No. Implants	Pre- Implant Loss	Pre-Impl. Loss (%)	No. Early Resorptions	No. Late Resorptions	Dead Foetuses	Post- Implant Loss	Post- Implant Loss (%)	No. Live Foetuses	No. Male Foetuses	No. Female Foetuses	Male Foetuses (%)	Total Litter Weight (g)
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	12	12	0	0.0	0	0	0	0	0.0	12	5	7	41.7	54.7
64	15	14	1	6.7	1	1	0	2	14.3	12	5	7	41.7	58.5
65	17	17	0	0.0	0	0	0	0	0.0	17	8	9	47.1	83.8
66	13	11	2	15.4	1	0	0	1	9.1	10	4	6	40.0	54.6
Mean	15.5	14.0	1.5	9.77	0.7	0.2	0.0	0.9	5.85	13.1	6.7	6.4	50.66	64.32
SD	2.1	2.2	1.3	8.09	1.0	0.5	0.0	1.2	7.28	2.1	2.0	1.5	10.69	10.53
N	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Sum	326	294	32	.	14	4	0	18	.	276	141	135	.	.

CONFIDENTIAL

Provantis

07-Dec-2020 10:58:31

Page: 12

Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)

BNT162b2 30mcg	Mean Foetal Wt (Both) (g)	Mean Foetal Wt (M) (g)	Mean Foetal Wt (F) (g)
	-	-	-
63	4.6	4.8	4.4
64	4.9	5.0	4.8
65	4.9	5.1	4.8
66	5.5	5.5	5.4
Mean	4.90	5.02	4.77
SD	0.30	0.30	0.32
N	21	21	21
Sum	-	-	-

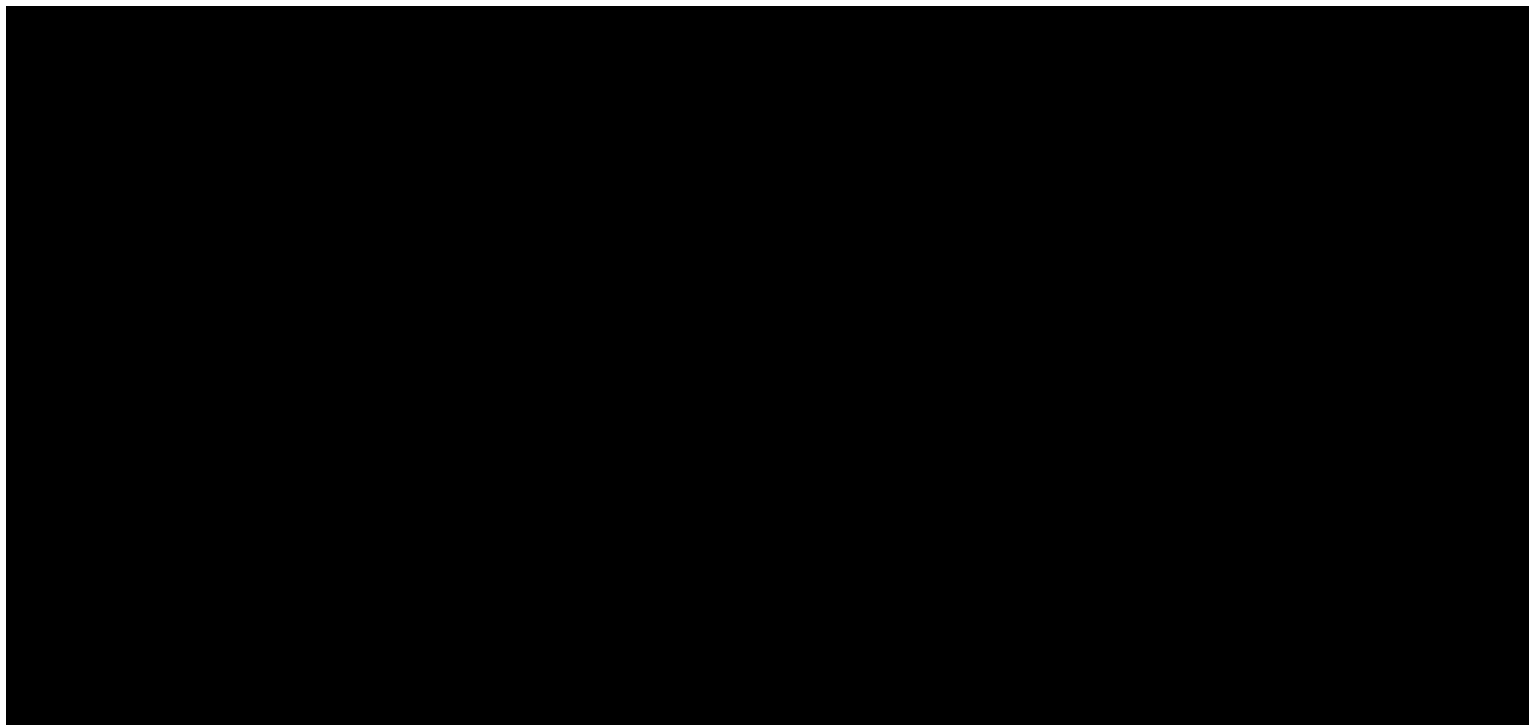
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Provantis
Individual Caesarean Section Data

07-Dec-2020 10:58:31 Page: 13

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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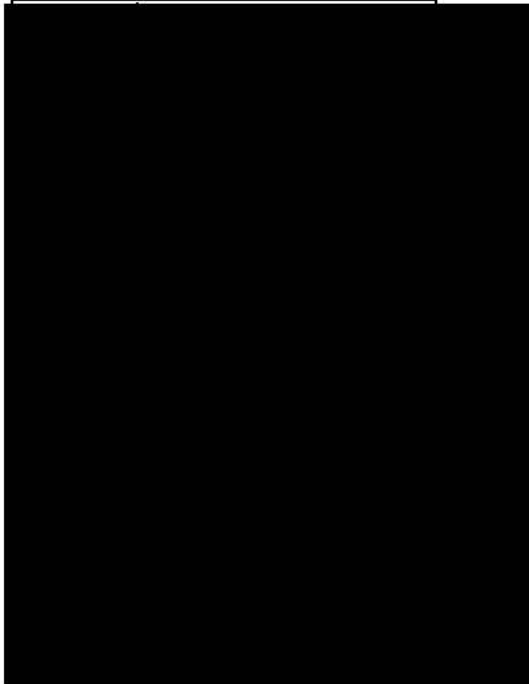
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Page: 14

Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



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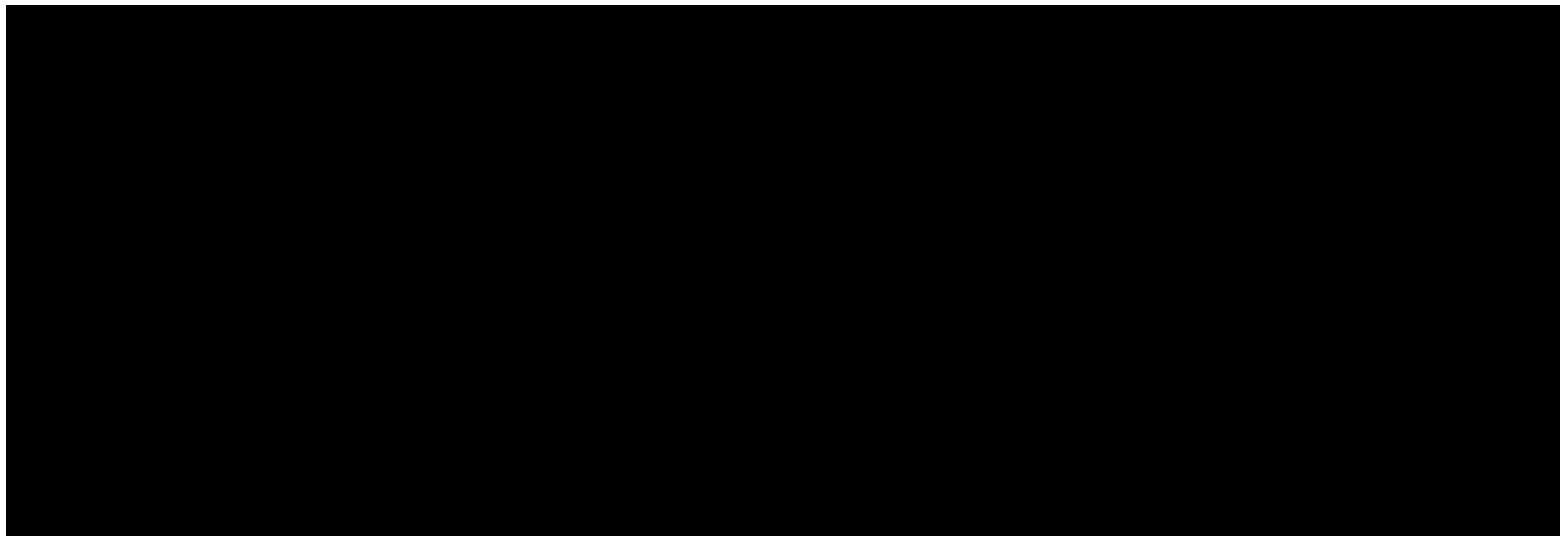
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Individual Caesarean Section Data

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



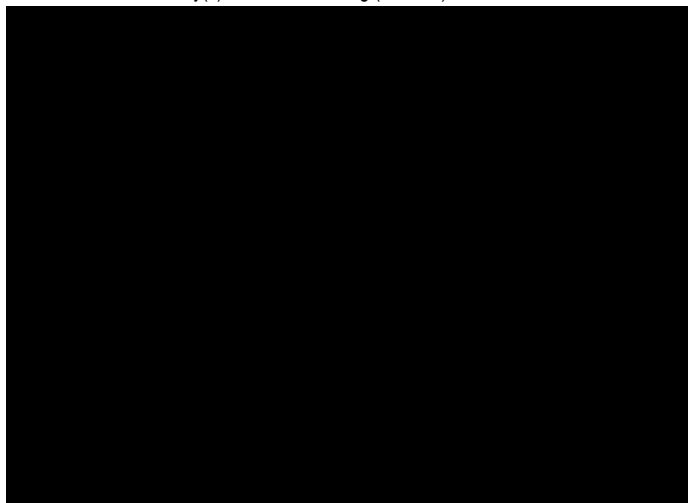
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Individual Caesarean Section Data

07-Dec-2020 10:58:31 Page: 16

20256434

Sex: Female Day(s) Relative to Mating (Litter: A)



CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status

07-Dec-2020 11:04:27

Page: 1

20256434

Control 0mcg

Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [/] — Right Horn →																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
1	FPOS	5.04	L01	L02	L03	L04	L05	L06	L07	L08	/R06	R05	R04	R03	R02	R01	-	-	-	-			
	Status		A	A	A	E	A	A	A	E	/A	L	A	A	A	A	A	-	-	-	-		
	Sex		F	M	F	.	F	M	M	.	/F	.	F	M	F	F	F	.	.	.	.
	Wt (g)		4.82	5.23	5.03	-	5.05	5.25	5.14	-	/4.97	-	5.13	4.93	5.06	4.84	-	-	-	-	-		
2	FPOS	4.66	L01	L02	L03	L04	L05	L06	L07	/R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-		
	Status		A	A	A	A	A	A	A	/A	A	A	A	A	A	A	A	A	-	-	-	-	
	Sex		M	F	F	F	F	F	M	/M	F	M	M	M	M	M	F	F	.	.	.	.
	Wt (g)		4.79	4.52	4.91	4.39	5.02	4.65	5.03	/4.70	4.79	4.79	4.32	4.91	4.05	4.67	4.30	-	-	-	-	-	
3	FPOS	4.64	L01	L02	L03	L04	L05	L06	L07	/R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	A	A	A	/A	A	A	A	A	A	A	A	A	A	-	-	-	-
	Sex		M	M	F	F	M	M	F	/F	F	F	F	M	F	M	F	M	F
	Wt (g)		4.51	4.93	4.75	4.36	5.12	4.76	5.03	/4.80	4.48	4.63	4.22	5.13	3.36	4.64	4.64	4.90	-	-	-	-	
4	FPOS	4.61	L01	L02	L03	L04	L05	L06	L07	/R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	A	A	A	/A	E	A	E	A	A	A	A	A	A	-	-	-	-
	Sex		M	M	F	F	F	M	F	/M	.	F	.	M	M	F	F	F	F
	Wt (g)		4.81	4.05	4.72	4.45	4.47	4.80	4.50	/5.12	-	3.60	-	4.90	5.67	3.33	5.39	4.71	-	-	-	-	
5	FPOS	4.97	L01	L02	L03	L04	L05	L06	L07	L08	/R06	R05	R04	R03	R02	R01	-	-	-	-	-	-	
	Status		E	A	A	A	A	A	A	A	/A	A	A	A	A	A	A	-	-	-	-	-	-
	Sex		.	F	F	F	F	F	M	F	/F	F	M	F	M	F	F
	Wt (g)		-	5.16	4.93	4.84	4.95	4.83	5.01	5.03	/4.96	4.97	4.82	5.18	5.41	4.53	-	-	-	-	-	-	-

CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status
 20256434

07-Dec-2020 11:04 27

Page: 2

Control 0mcg

Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [/] — Right Horn →																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
6	FPOS	5.21	L01	L02	L03	L04	L05	L06	/R04	R03	R02	R01	-	-	-	-	-	-	-	
	Status		A	A	A	A	A	A	A	/A	A	A	A	-	-	-	-	-	-	-
	Sex		M	M	M	M	M	F	/M	F	M	F	.	.	.	.	.	.	.	.
	Wt (g)		3.42	5.09	5.45	5.58	5.64	5.61	/5.61	4.46	5.89	5.39	-	-	-	-	-	-	-	-
7	FPOS	5.09	L01	L02	L03	L04	L05	L06	L07	L08	L09	/R05	R04	R03	R02	R01	-	-	-	
	Status		A	A	A	A	A	A	A	A	A	/A	A	A	A	A	-	-	-	-
	Sex		F	M	F	F	F	M	M	F	M	/F	M	M	M	F	.	.	.	.
	Wt (g)		5.23	5.04	4.76	4.85	5.14	5.12	4.84	4.95	5.44	/5.33	5.50	5.32	5.13	4.59	-	-	-	-
8	FPOS	4.99	L01	L02	L03	L04	L05	L06	L07	L08	L09	/R08	R07	R06	R05	R04	R03	R02	R01	
	Status		A	A	E	A	A	E	A	A	F	/E	A	A	E	E	A	A	A	-
	Sex		M	M	.	F	F	.	M	M	F	.	/F	M	.	F	M	F	.	.
	Wt (g)		4.66	4.87	-	4.97	5.11	-	4.43	5.48	5.12	-	/4.96	5.20	-	-	4.91	5.53	4.64	-
9	FPOS	5.07	L01	L02	L03	L04	L05	L06	/R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	A	A	/A	A	A	A	A	A	A	-	-	-	-	-
	Sex		F	M	F	M	F	M	/M	M	M	M	M	M	F	F	.	.	.	.
	Wt (g)		4.75	4.92	4.39	5.25	5.24	5.42	/5.48	5.28	5.07	4.69	5.27	4.74	5.36	-	-	-	-	-
10	FPOS	5.29	L01	L02	L03	L04	L05	L06	L07	/R05	R04	R03	R02	R01	-	-	-	-	-	
	Status		A	A	A	A	L	A	A	/A	A	A	A	A	-	-	-	-	-	-
	Sex		M	M	M	M	.	M	M	/M	M	M	M	F	F	.	.	.	.	.
	Wt (g)		5.27	5.14	5.45	5.43	-	5.74	5.65	/5.26	5.15	5.08	5.16	4.89	-	-	-	-	-	-

CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status
 20256434

07-Dec-2020 11:04 27

Page: 3

Control 0mcg

Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [/] — Right Horn →																		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
11	FPOS	5.07	L01	L02	L03	L04	L05	L06	L07	L08	/R04	R03	R02	R01	-	-	-	-	-	-	
	Status		A	A	A	A	A	A	A	A	A	/A	A	A	A	-	-	-	-	-	-
	Sex		M	M	F	F	F	F	M	F	/M	F	F	M	.	.	.	.	.	.	.
	Wt (g)		4.88	4.89	4.29	4.96	5.27	4.88	5.44	5.27	/5.12	5.08	5.29	5.45	-	-	-	-	-	-	-
12	FPOS	4.90	L01	L02	L03	L04	L05	/R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	E	A	/A	A	A	A	A	A	A	A	A	-	-	-	-	-
	Sex		F	M	M	.	M	/F	F	M	M	F	M	F	M	F	.	.	.	.	.
	Wt (g)		4.95	5.12	4.78	-	5.25	/4.51	4.77	4.97	4.93	4.87	5.01	5.01	5.08	4.39	-	-	-	-	-
13	FPOS	4.58	L01	L02	L03	L04	L05	L06	L07	L08	L09	L10	L11	/R04	R03	R02	R01	-	-	-	
	Status		A	A	A	A	A	A	L	A	A	A	A	/A	A	A	A	-	-	-	-
	Sex		F	F	M	M	F	M	.	M	F	M	F	/M	M	F	F	.	.	.	.
	Wt (g)		4.29	4.40	4.09	3.80	4.75	5.01	-	4.85	4.81	4.62	4.43	/4.21	5.03	5.10	4.66	-	-	-	-
14	FPOS	4.71	L01	L02	L03	L04	L05	L06	L07	/R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	A	E	A	/A	A	A	A	A	A	A	-	-	-	-	-
	Sex		M	F	M	M	F	.	M	/M	F	F	M	F	F	F	.	.	.	.	.
	Wt (g)		5.06	4.55	5.15	5.09	4.54	-	4.25	/4.93	4.54	4.92	4.80	4.44	4.69	4.30	-	-	-	-	-
15	FPOS	5.04	L01	L02	L03	L04	/R10	R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	/A	A	A	E	A	A	A	A	A	A	-	-	-	-	-
	Sex		M	F	M	F	/M	M	F	.	M	M	F	M	F	M	.	.	.	.	.
	Wt (g)		5.17	4.70	5.18	5.06	/5.16	5.22	5.00	-	5.30	5.09	5.14	4.91	4.87	4.73	-	-	-	-	-

CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status
 20256434

07-Dec-2020 11:04 27

Page: 4

Control 0mcg

Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [/] — Right Horn →																		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
16	FPOS	4.63	L01	L02	L03	L04	L05	L06	/R07	R06	R05	R04	R03	R02	R01	-	-	-	-	-	
	Status		A	A	A	A	A	A	A	/A	A	A	A	A	A	A	-	-	-	-	-
	Sex		M	M	M	F	F	F	F	/F	F	F	F	F	F	F	.	.	.	.	.
	Wt (g)		4.74	4.84	4.86	4.69	4.74	4.53	/4.84	4.92	4.97	4.42	4.61	4.10	3.91	-	-	-	-	-	-
17	FPOS	4.63	L01	L02	L03	L04	L05	L06	/R10	R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	
	Status		A	A	A	A	E	A	/A	A	A	A	A	A	A	A	A	A	A	-	-
	Sex		M	M	F	F	.	M	/M	M	F	M	F	F	F	F	F	F	F	.	.
	Wt (g)		4.92	4.10	4.67	4.50	-	5.49	/5.08	4.78	4.80	4.56	4.76	4.25	4.84	4.37	4.29	4.10	-	-	-
18	FPOS	5.09	L01	L02	L03	L04	L05	L06	L07	/R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	A	A	A	/A	A	A	A	A	A	A	A	-	-	-	-
	Sex		F	M	F	F	M	F	F	F	F	F	M	F	M	M	.	.	.	.	.
	Wt (g)		4.87	5.08	5.12	5.09	5.13	5.18	5.04	/5.19	5.07	4.83	5.80	5.17	5.21	4.50	-	-	-	-	-
19	FPOS	5.02	L01	L02	/R11	R10	R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-	-	
	Status		A	A	/E	A	A	A	A	A	A	A	A	A	A	-	-	-	-	-	
	Sex		M	M	.	/M	F	F	F	F	F	F	F	F	M	.	.	.	.	.
	Wt (g)		5.36	5.26	-	/5.38	5.01	5.02	4.68	4.10	5.14	5.30	5.27	4.77	4.90	-	-	-	-	-	-
21	FPOS	4.64	L01	L02	L03	L04	L05	L06	L07	L08	L09	L10	/R06	R05	R04	R03	R02	R01	-	-	
	Status		A	A	A	A	A	A	A	A	A	A	/A	A	A	A	A	A	A	-	-
	Sex		M	F	F	M	M	M	M	M	M	F	F	/F	F	M	F	M	M	.	.
	Wt (g)		4.80	4.18	3.84	4.75	4.75	5.07	4.57	4.66	4.49	4.61	/4.57	4.51	4.82	4.66	4.93	4.96	-	-	-

CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status

07-Dec-2020 11:04 27 Page: 5

20256434

Control 0mcg

Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [I] — Right Horn →																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
22	FPOS		L01	L02	L03	L04	L05	/R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-
	Status		E	A	A	A	A	/A	A	A	A	A	A	A	A	A	-	-	-	-
	Sex		.	F	F	F	F	/F	F	M	M	M	F	F	M	M	.	.	.	.
	Wt (g)	4.79	-	4.46	5.04	4.81	4.65	/4.72	4.85	4.87	5.04	5.30	4.79	4.53	4.83	4.32	-	-	-	-

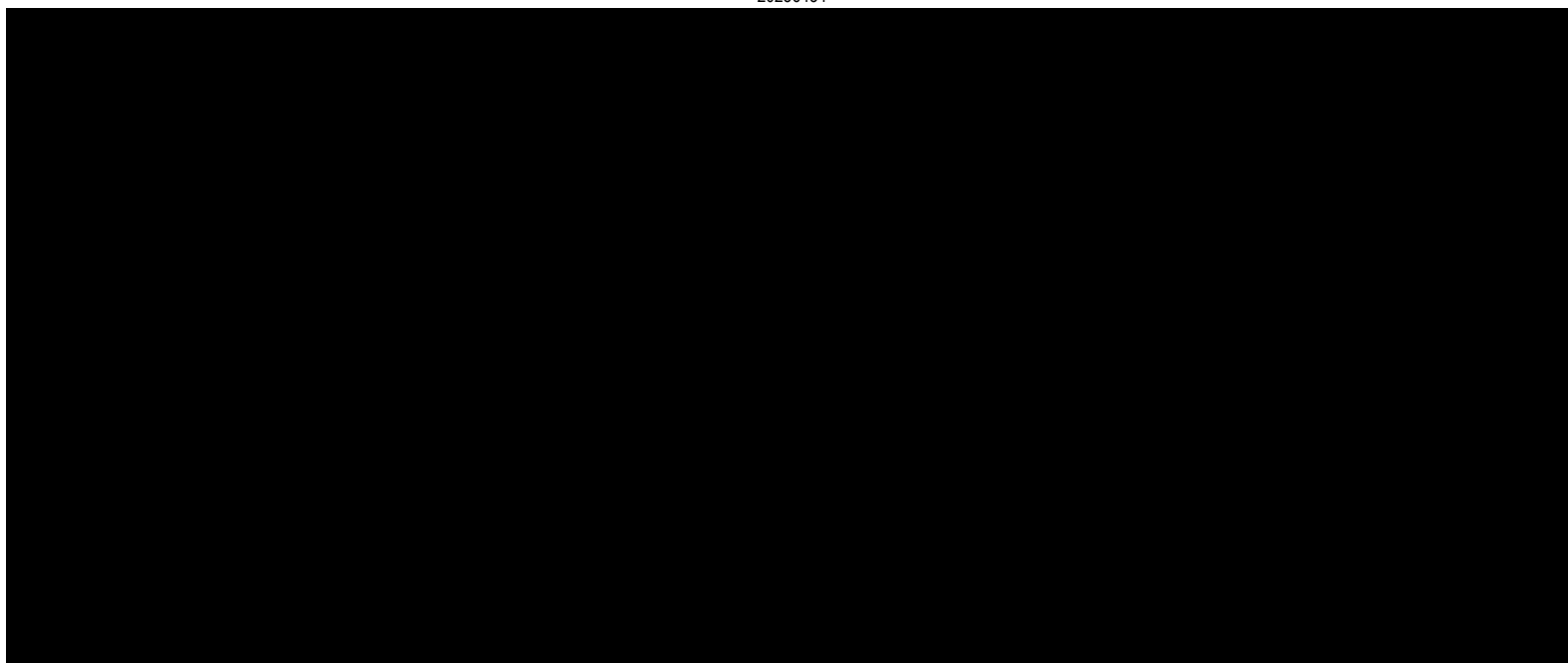
CONFIDENTIAL

Provantis
Individual Foetal Weight and Status

07-Dec-2020 11:04 27

Page: 6

20256434

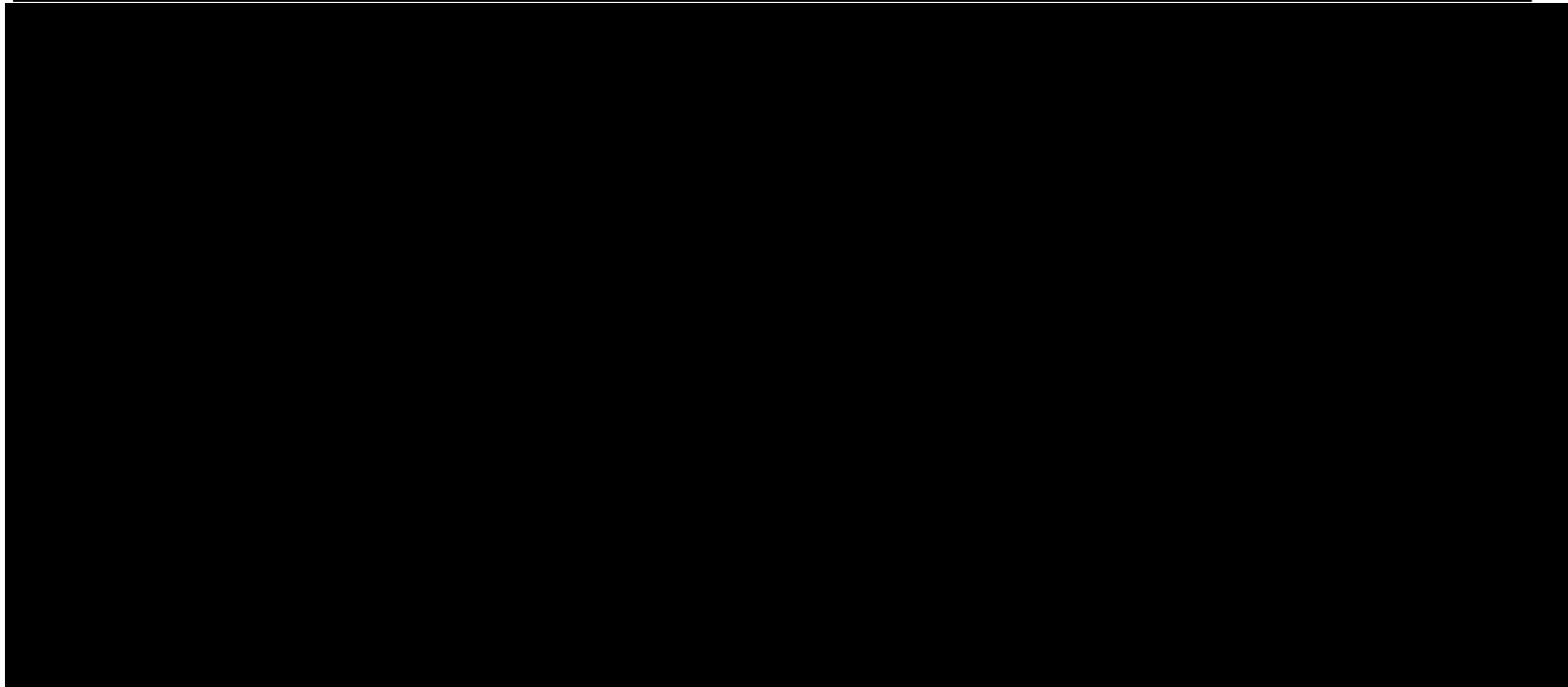


CONFIDENTIAL

Provantis
Individual Foetal Weight and Status
20256434

07-Dec-2020 11:04 27

Page: 7

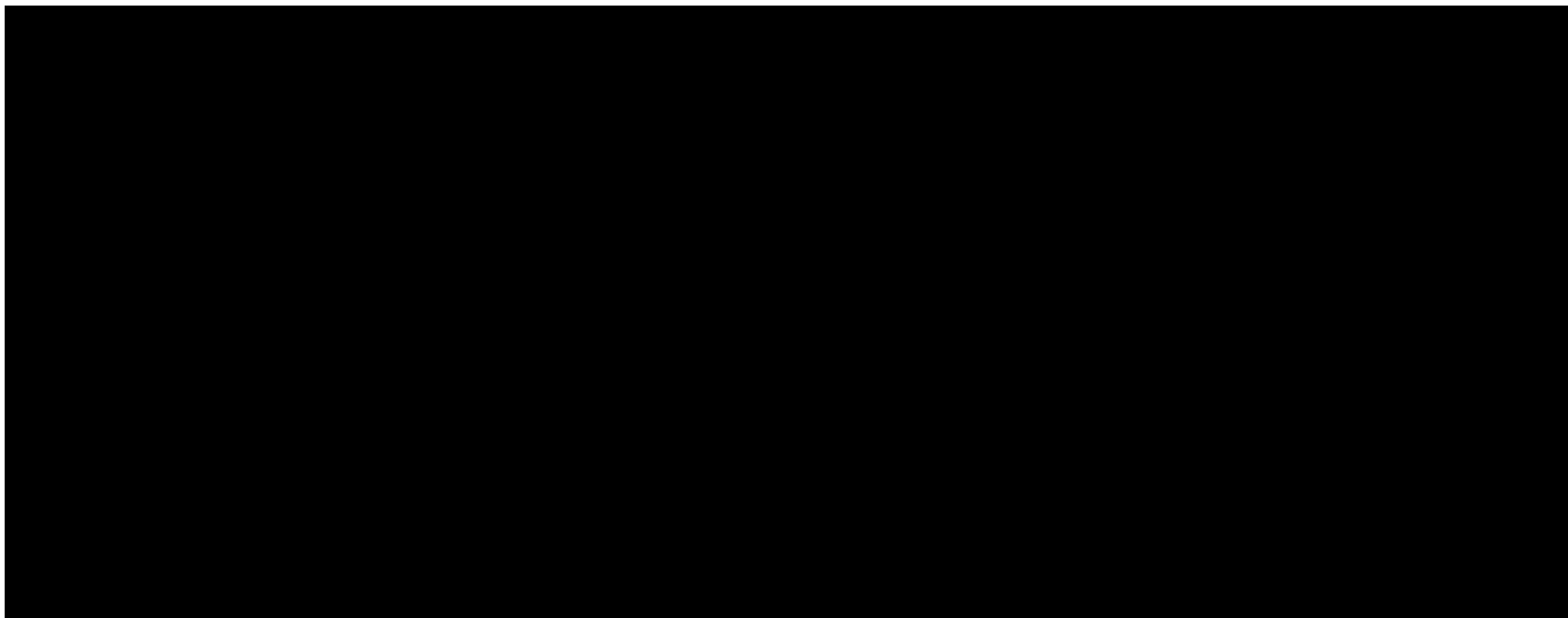


CONFIDENTIAL

Provantis
Individual Foetal Weight and Status

07-Dec-2020 11:04 27

Page: 8



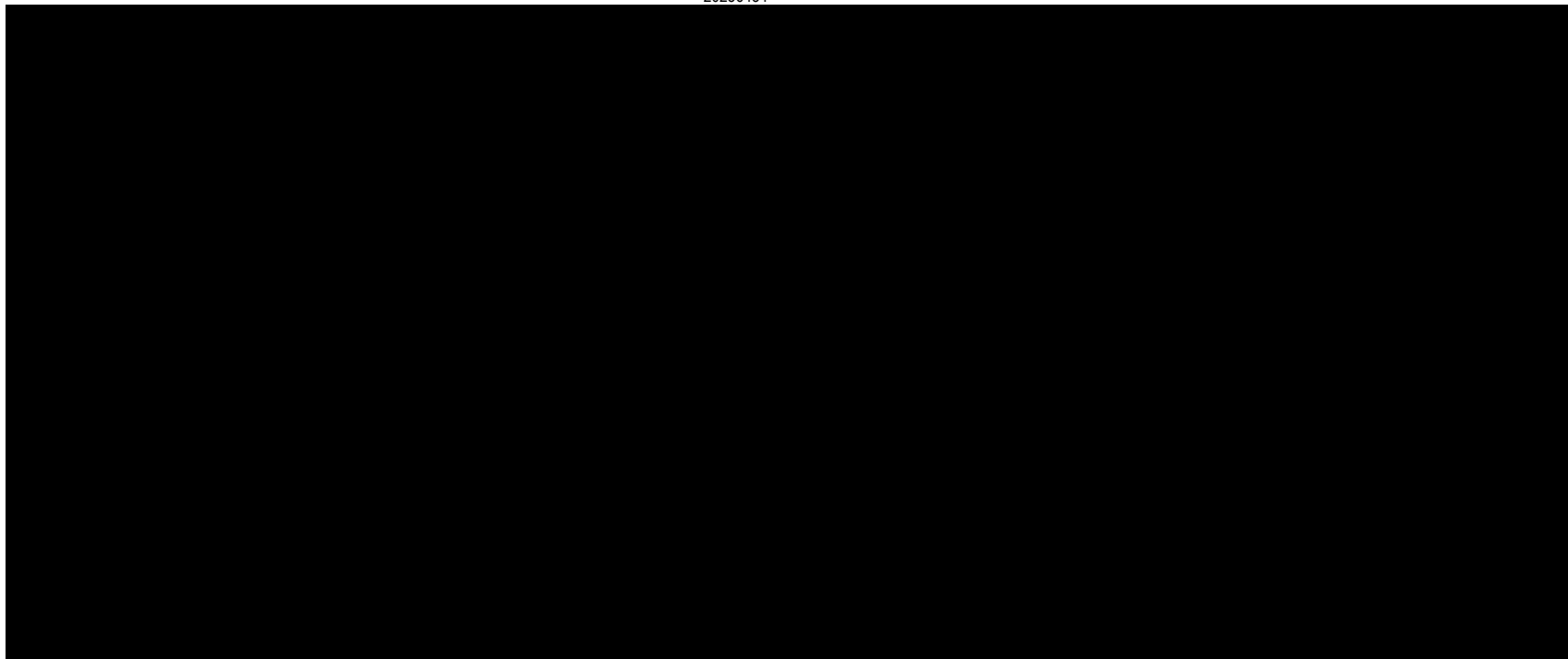
CONFIDENTIAL

Provantis
Individual Foetal Weight and Status

07-Dec-2020 11:04 27

Page: 9

20256434



CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status

07-Dec-2020 11:04 27 Page: 10

20256434

BNT162b2 30mcg

Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [/] — Right Horn →																		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
45	FPOS	4.71	L01	L02	L03	L04	L05	L06	L07	L08	L09	/R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	A	A	A	A	A	A	/A	A	A	E	A	-	-	-	-
	Sex		F	F	F	M	F	M	M	M	F	/M	F	M	.	F	.	.	.	.	.
	Wt (g)		4.30	3.69	4.84	4.84	4.90	3.87	4.91	5.13	5.27	/5.20	4.37	4.78	-	5.17	-	-	-	-	-
46	FPOS	4.86	L01	L02	L03	L04	L05	L06	L07	L08	/R09	R08	R07	R06	R05	R04	R03	R02	R01	-	
	Status		A	A	A	A	A	A	A	A	/A	A	A	A	A	A	A	A	A	A	-
	Sex		M	M	M	F	F	M	F	M	/F	F	F	M	M	M	M	M	F	M	.
	Wt (g)		4.82	4.91	4.80	4.82	4.57	4.74	5.12	5.15	/5.00	4.49	4.95	4.85	5.04	4.84	4.99	4.73	4.85	-	-
47	FPOS	4.92	L01	L02	L03	L04	L05	L06	L07	/R05	R04	R03	R02	R01	-	-	-	-	-	-	
	Status		A	A	A	A	A	A	A	/A	A	A	A	A	-	-	-	-	-	-	-
	Sex		F	F	M	F	F	M	M	/M	F	F	M	M	.	.	.	.	.	.	.
	Wt (g)		4.84	4.59	5.21	4.90	4.93	5.10	5.21	/4.67	4.42	4.95	5.18	5.06	-	-	-	-	-	-	-
48	FPOS	4.85	L01	L02	L03	L04	L05	/R05	R04	R03	R02	R01	-	-	-	-	-	-	-	-	
	Status		A	A	A	A	A	/A	A	A	A	A	-	-	-	-	-	-	-	-	-
	Sex		F	M	F	M	M	/M	M	F	F	F	.	.	.	.	.	.	.	.	.
	Wt (g)		5.13	5.10	4.42	4.68	4.90	/4.89	5.14	4.90	4.82	4.51	-	-	-	-	-	-	-	-	-
49	FPOS	4.46	L01	L02	L03	L04	L05	L06	L07	/R10	R09	R08	R07	R06	R05	R04	R03	R02	R01	-	
	Status		A	A	A	E	A	A	E	/A	A	A	E	A	A	A	A	A	E	A	-
	Sex		F	M	M	.	M	M	.	/M	M	F	.	F	F	F	F	F	.	M	.
	Wt (g)		4.20	4.73	4.50	-	4.83	3.56	-	/4.93	4.49	4.54	-	4.49	4.54	4.19	4.67	-	4.32	-	-

CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status

07-Dec-2020 11:04 27 Page: 11

20256434

BNT162b2 30mcg

Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [/] — Right Horn →																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
50	FPOS	4.70	L01	L02	L03	L04	L05	L06	/R04	R03	R02	R01	-	-	-	-	-	-	-	-		
	Status		A	A	A	A	E	A	/A	A	A	A	A	-	-	-	-	-	-	-	-	
	Sex		F	M	M	F	.	F	/M	M	M	F	.	.	.	.	.	.	.	.	.
	Wt (g)		4.27	5.05	4.73	4.21	-	4.51	/4.64	5.16	5.25	4.45	-	-	-	-	-	-	-	-	-	-
51	FPOS	5.22	L01	L02	L03	L04	L05	L06	L07	L08	/R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	A	A	A	A	/A	A	A	A	A	A	A	A	-	-	-	-
	Sex		F	M	M	F	M	M	F	M	/M	M	F	M	M	F	M	.	.	.	.	.
	Wt (g)		5.07	5.37	5.56	5.11	5.43	5.42	5.18	4.54	/5.38	4.94	4.69	5.55	5.53	5.33	5.13	-	-	-	-	-
52	FPOS	5.26	L01	L02	L03	L04	L05	L06	L07	/R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	E	A	A	/E	A	A	A	A	A	A	A	-	-	-	-	-
	Sex		F	F	M	F	.	F	F	.	/M	F	F	F	M	M	M	M	.	.	.	.
	Wt (g)		5.46	4.99	5.64	5.25	-	5.10	5.12	-	/5.31	5.21	4.96	5.01	5.74	5.45	5.14	-	-	-	-	-
53	FPOS	4.45	L01	L02	L03	L04	L05	L06	L07	L08	/R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-
	Status		A	A	A	A	A	A	A	A	/A	A	A	A	A	A	A	A	-	-	-	-
	Sex		M	M	F	M	F	M	F	M	/F	M	F	F	M	M	M	F	.	.	.	.
	Wt (g)		4.98	4.96	4.85	4.49	4.04	2.70	4.28	5.26	/4.86	5.10	3.10	4.65	4.03	4.98	5.11	3.84	-	-	-	-
54	FPOS	5.27	L01	L02	L03	L04	L05	/R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-	-	
	Status		A	A	A	A	A	/A	A	A	A	A	E	A	A	A	-	-	-	-	-	-
	Sex		M	M	M	M	F	/M	M	F	M	M	.	M	F	F	.	.	.	.	.	.
	Wt (g)		4.61	5.45	5.08	5.72	5.59	/5.38	5.28	4.92	5.46	5.16	-	5.64	5.49	4.71	-	-	-	-	-	-

CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status

07-Dec-2020 11:04 27 Page: 12

20256434

BNT162b2 30mcg

Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [/] — Right Horn →																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
55	FPOS	5.14	L01	L02	L03	L04	L05	/R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-			
	Status		A	A	A	A	A	A	/A	E	A	A	A	A	A	A	A	-	-	-	-		
	Sex		F	M	F	F	M	/F	.	M	F	F	F	M	F	M	M	.	.	.	.
	Wt (g)		5.00	5.64	5.24	5.13	5.36	/4.81	-	5.18	4.54	5.25	4.96	5.42	5.03	5.24	-	-	-	-	-		
57	FPOS	5.04	L01	L02	L03	L04	L05	L06	L07	L08	L09	/R06	R05	R04	R03	R02	R01	-	-	-	-		
	Status		A	A	A	A	A	A	A	A	A	A	/A	A	A	A	A	A	-	-	-	-	
	Sex		M	F	F	F	F	M	M	M	F	/M	F	F	M	M	M	M	.	.	.	.
	Wt (g)		5.01	4.67	4.86	4.94	5.15	5.26	4.97	5.45	4.76	/4.20	5.34	5.00	5.39	5.40	5.16	-	-	-	-	-	
58	FPOS	4.42	L01	L02	L03	L04	L05	L06	L07	L08	L09	/R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	A	A	A	E	A	A	A	/A	A	L	A	A	A	A	A	-	-	-	-
	Sex		M	M	F	M	F	.	M	F	M	/M	F	.	M	F	F	M	M	.	.	.	.
	Wt (g)		4.04	5.05	4.69	4.78	4.68	-	5.00	4.77	4.00	/3.77	4.36	-	4.83	2.50	4.59	4.79	-	-	-	-	-
59	FPOS	4.58	L01	L02	L03	L04	L05	L06	L07	/R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-	
	Status		A	A	L	A	A	L	A	/A	A	A	A	A	A	A	A	A	E	-	-	-	-
	Sex		F	F	.	F	F	.	F	/M	M	F	M	F	F	F	F	F	.	.	.	.
	Wt (g)		4.55	4.52	-	5.02	4.19	-	4.27	/4.61	5.04	4.63	4.35	4.66	4.54	4.36	4.79	-	-	-	-	-	-
60	FPOS	5.17	L01	L02	L03	L04	L05	L06	L07	/R05	R04	R03	R02	R01	-	-	-	-	-	-	-	-	
	Status		A	A	A	A	A	A	A	/A	A	A	A	A	A	-	-	-	-	-	-	-	-
	Sex		F	M	F	M	M	F	M	/M	M	F	M	F	.	.	.	.	.	.	.	.	.
	Wt (g)		4.99	5.18	5.00	5.94	5.22	4.99	4.93	/5.25	5.30	4.80	5.41	5.04	-	-	-	-	-	-	-	-	-

CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status

07-Dec-2020 11:04 27 Page: 13

20256434

BNT162b2 30mcg

Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [/] — Right Horn →																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
61	FPOS	5.22	L01	L02	L03	L04	L05	L06	/R07	R06	R05	R04	R03	R02	R01	-	-	-	-	-			
	Status		A	A	A	A	A	A	A	/A	A	A	A	A	A	A	-	-	-	-	-		
	Sex		F	M	M	F	M	F	/F	F	M	M	F	M	F	.	.	.	.	.
	Wt (g)		5.00	5.13	5.34	5.07	5.49	5.07	/5.24	5.09	5.37	5.34	5.02	5.63	5.07	-	-	-	-	-	-		
62	FPOS	4.83	L01	L02	L03	L04	L05	L06	L07	L08	/R06	R05	R04	R03	R02	R01	-	-	-	-	-		
	Status		A	A	A	A	A	A	A	A	/A	A	A	A	A	A	A	-	-	-	-	-	
	Sex		F	M	M	F	M	F	M	M	/F	M	M	M	M	M	F	.	.	.	.	.
	Wt (g)		4.66	5.24	5.10	4.88	4.75	4.44	4.71	4.60	/4.71	4.73	4.91	4.84	5.11	4.88	-	-	-	-	-	-	
63	FPOS	4.56	L01	L02	L03	L04	L05	/R07	R06	R05	R04	R03	R02	R01	-	-	-	-	-	-	-		
	Status		A	A	A	A	A	/A	A	A	A	A	A	A	-	-	-	-	-	-	-	-	
	Sex		F	F	M	F	M	/M	F	F	F	M	M	F	.	.	.	.	.	.	.	.
	Wt (g)		4.47	4.48	4.55	4.87	4.64	/5.37	4.80	4.71	4.51	4.51	5.00	2.79	-	-	-	-	-	-	-	-	
64	FPOS	4.87	L01	L02	L03	L04	/R10	R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	-	-	-	
	Status		A	A	A	A	/A	A	A	A	A	A	E	L	A	A	-	-	-	-	-	-	
	Sex		F	F	F	M	/M	M	F	F	F	M	.	.	M	F	.	.	.	.	.	.
	Wt (g)		4.89	4.96	4.84	5.29	/5.19	4.65	4.70	4.89	5.03	5.23	-	-	4.84	3.95	-	-	-	-	-	-	-
65	FPOS	4.93	L01	L02	L03	L04	L05	L06	L07	L08	/R09	R08	R07	R06	R05	R04	R03	R02	R01	-	-	-	
	Status		A	A	A	A	A	A	A	A	/A	A	A	A	A	A	A	A	A	A	-	-	-
	Sex		F	M	F	F	M	F	F	F	/F	M	M	M	F	M	M	F	M	M	F	M	.
	Wt (g)		4.64	5.21	4.81	4.80	5.12	4.55	4.69	5.17	/4.68	4.83	5.26	5.31	4.83	5.12	5.26	4.82	4.68	-	-	-	-

CONFIDENTIAL

Provantis
 Individual Foetal Weight and Status

07-Dec-2020 11:04 27 Page: 14

20256434

BNT162b2 30mcg

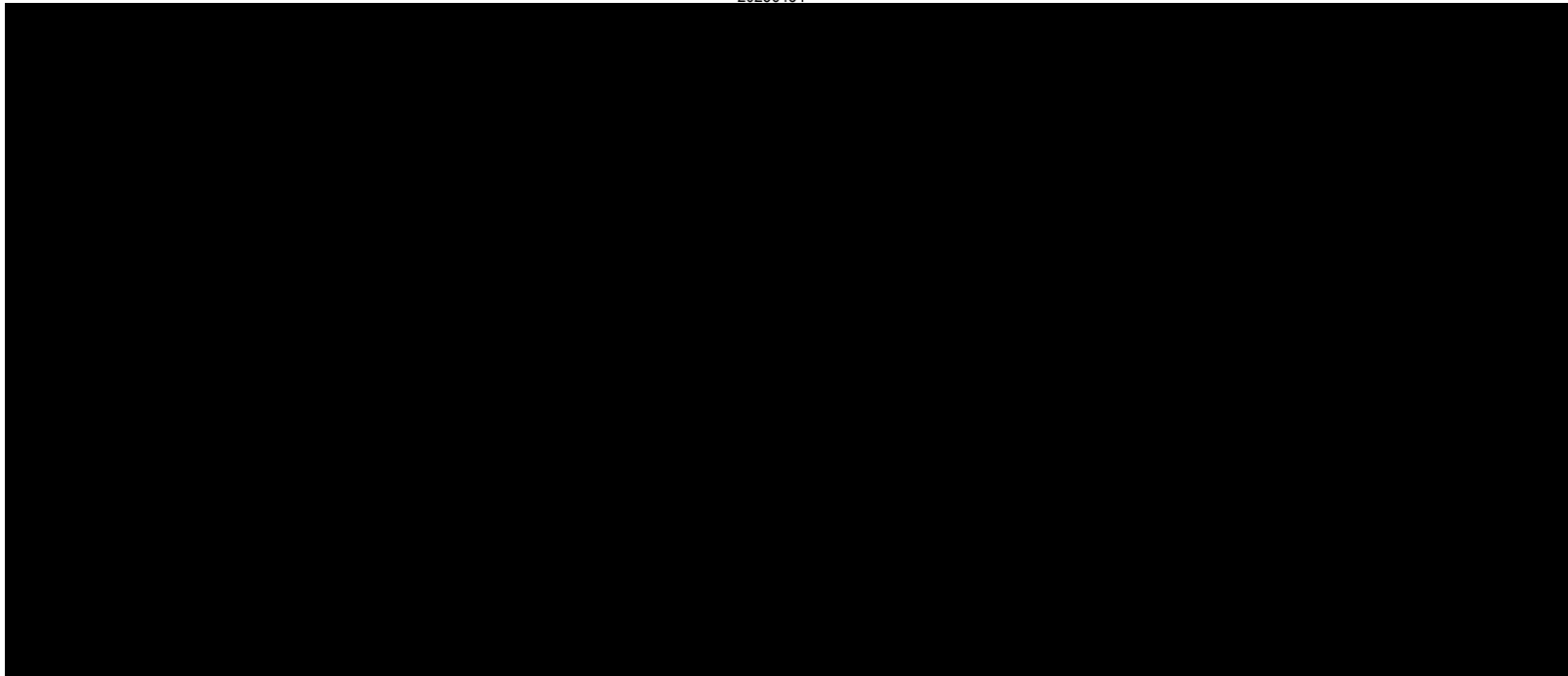
Dam	Meas.	Mean/ Count	← Left Horn — Cervix Indicator [I] — Right Horn →																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
66	FPOS		L01	L02	L03	L04	L05	/R06	R05	R04	R03	R02	R01	-	-	-	-	-	-	-
	Status		A	A	E	A	A	/A	A	A	A	A	A	-	-	-	-	-	-	-
	Sex		F	F	.	F	F	/M	M	F	F	M	M	.	.	.	.	.	.	.
	Wt (g)	5.46	5.18	5.62	-	5.49	5.38	/5.04	5.75	4.96	5.80	5.96	5.39	-	-	-	-	-	-	-

CONFIDENTIAL

Provantis
Individual Foetal Weight and Status
20256434

07-Dec-2020 11:04 27

Page: 15



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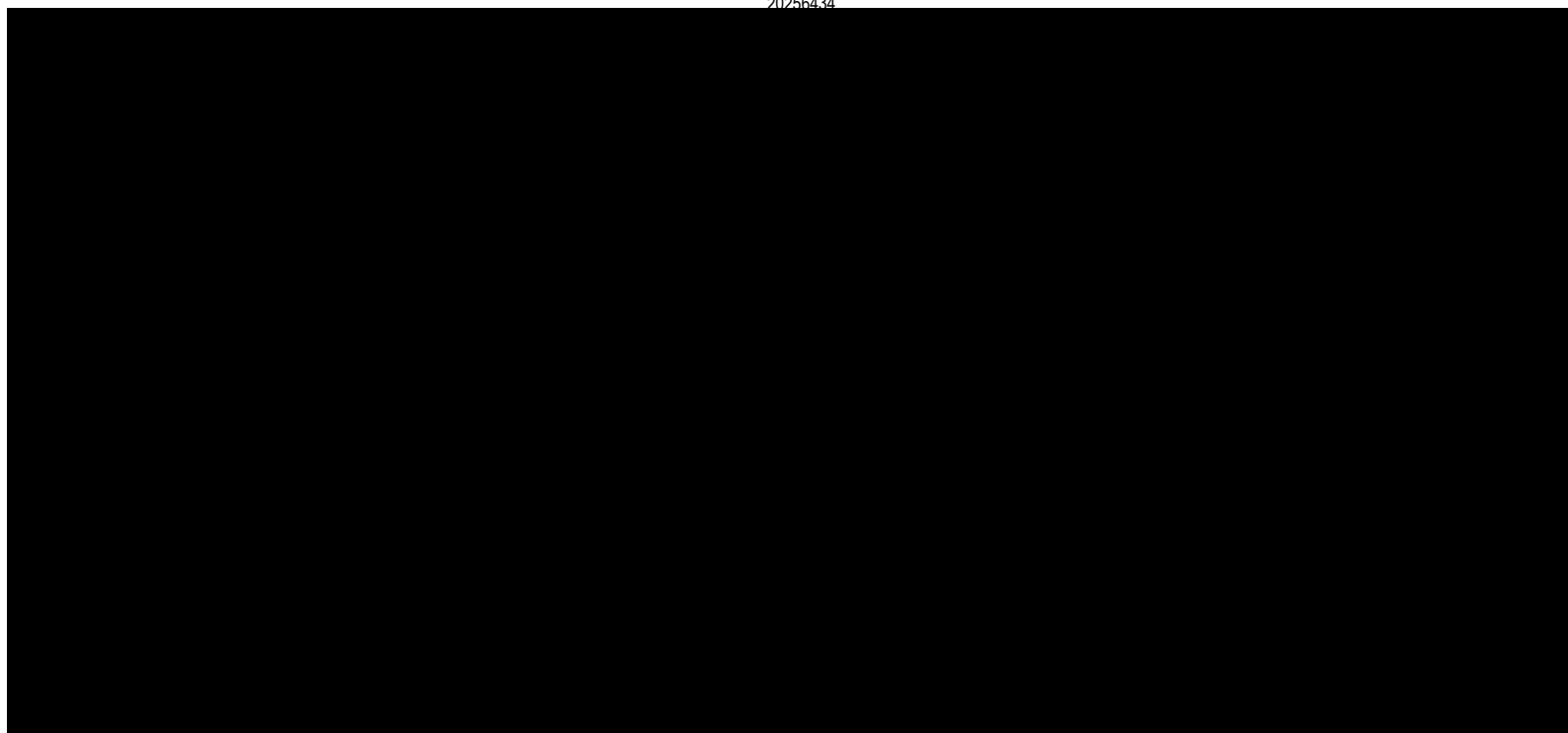
Provantis

07-Dec-2020 11:04 27

Page: 16

Individual Foetal Weight and Status

20256434



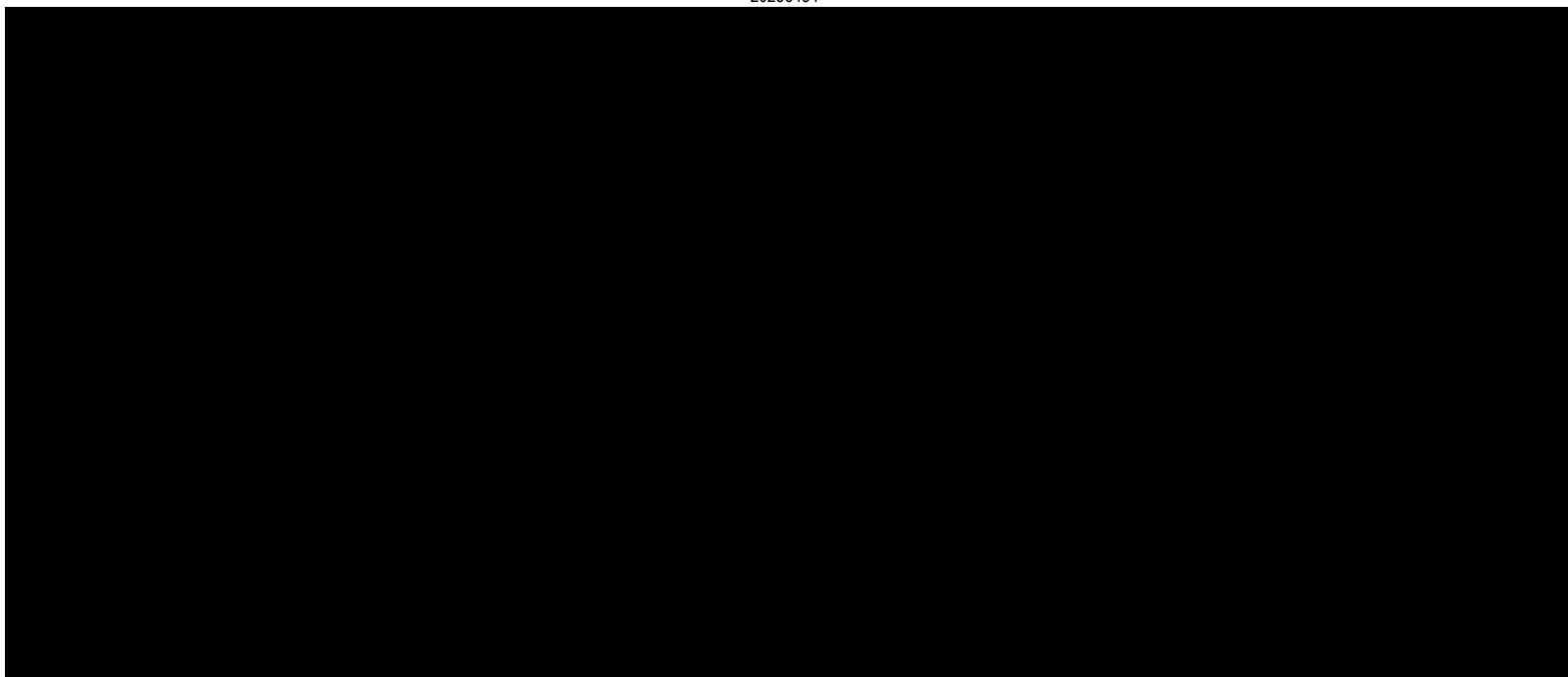
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Provantis
Individual Foetal Weight and Status

07-Dec-2020 11:04 27

Page: 17

20256434

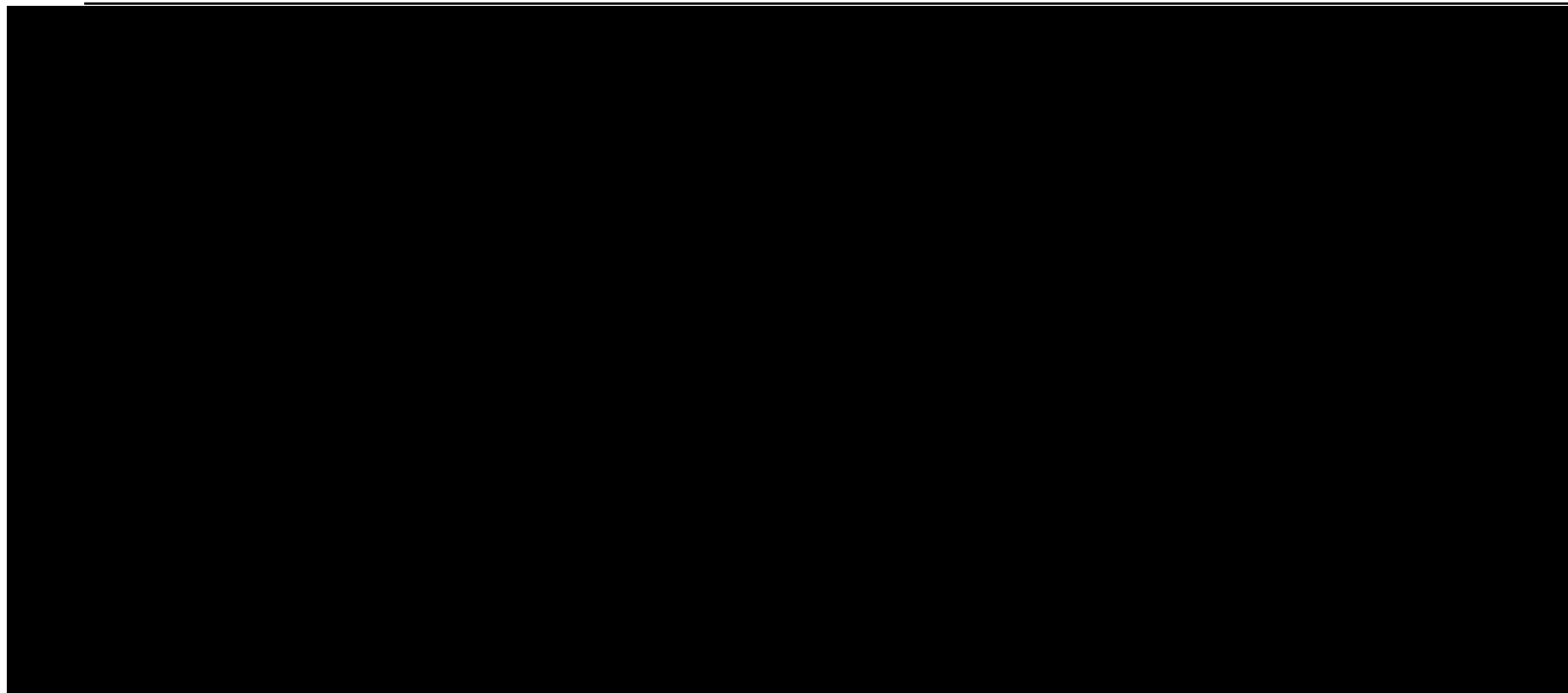


CONFIDENTIAL

Provantis
Individual Foetal Weight and Status
20256434

07-Dec-2020 11:04 27

Page: 18

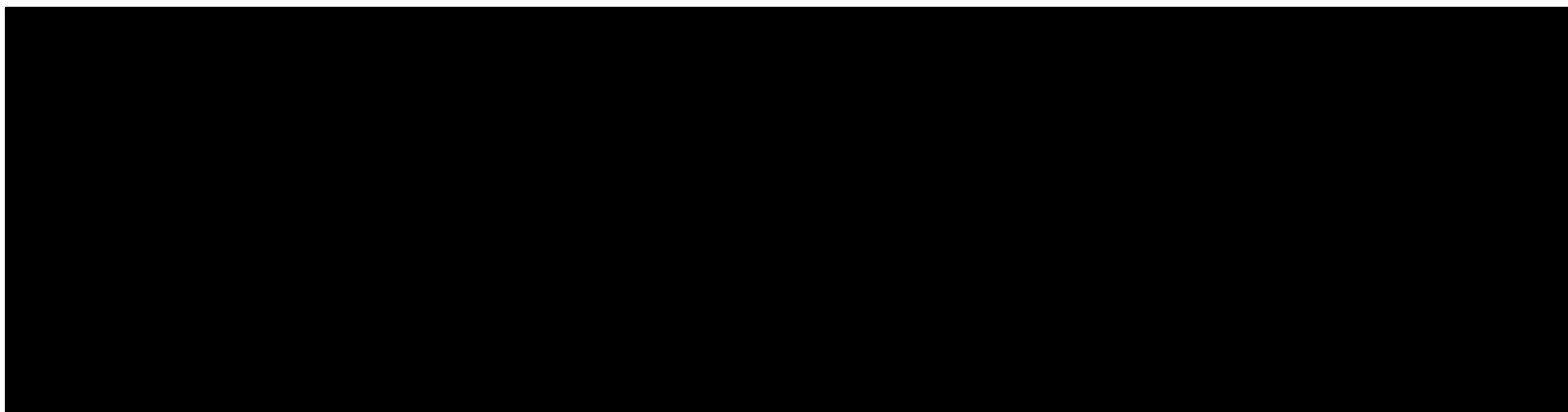


CONFIDENTIAL

Provantis
Individual Foetal Weight and Status

07-Dec-2020 11:04 27

Page: 19



CONFIDENTIAL

Provantis
 Individual Foetal External Observations
 20256434

07-Dec-2020 11:04:09

Page: 1

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 1 Pregnancy Type: P			
1	F	4.82	.....External, No abnormalities detected
2	M	5.23	.....External, No abnormalities detected
3	F	5.03	.....External, No abnormalities detected
5	F	5.05	.....External, No abnormalities detected
6	M	5.25	.....External, No abnormalities detected
7	M	5.14	.....External, No abnormalities detected
9	F	4.97	.....External, No abnormalities detected
11	F	5.13	.....External, No abnormalities detected
12	M	4.93	.....External, No abnormalities detected
13	F	5.06	.....External, No abnormalities detected
14	F	4.84	.....External, No abnormalities detected
Dam: 2 Pregnancy Type: P			
1	M	4.79	.....External, No abnormalities detected
2	F	4.52	.....External, No abnormalities detected
3	F	4.91	.....External, No abnormalities detected
4	F	4.39	.....External, No abnormalities detected
5	F	5.02	.....External, No abnormalities detected
6	F	4.65	.....External, No abnormalities detected
7	M	5.03	.....External, No abnormalities detected
8	M	4.70	.....External, No abnormalities detected
9	F	4.79	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09

Page: 2

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 2 (Continued...)			
10	M	4.79	.....External, No abnormalities detected
11	M	4.32	.....External, No abnormalities detected
12	M	4.91	.....External, No abnormalities detected
13	M	4.05	.....External, No abnormalities detected
14	F	4.67	.....External, No abnormalities detected
15	F	4.30	.....External, No abnormalities detected
Dam: 3 Pregnancy Type: P			
1	M	4.51	.....External, No abnormalities detected
2	M	4.93	.....External, No abnormalities detected
3	F	4.75	.....External, No abnormalities detected
4	F	4.36	.....External, No abnormalities detected
5	M	5.12	.....External, No abnormalities detected
6	M	4.76	.....External, No abnormalities detected
7	F	5.03	.....External, No abnormalities detected
8	F	4.80	.....External, No abnormalities detected
9	F	4.48	.....External, No abnormalities detected
10	F	4.63	.....External, No abnormalities detected
11	F	4.22	.....External, No abnormalities detected
12	M	5.13	.....External, No abnormalities detected
13	F	3.36	.....External, No abnormalities detected
14	M	4.64	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations
 20256434

07-Dec-2020 11:04:09

Page: 3

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 3 (Continued...)			
15	F	4.64	.....External, No abnormalities detected
16	M	4.90	.....External, No abnormalities detected
Dam: 4 Pregnancy Type: P			
1	M	4.81	.....External, No abnormalities detected
2	M	4.05	.....External, No abnormalities detected
3	F	4.72	.....External, No abnormalities detected
4	F	4.45	.....External, No abnormalities detected
5	F	4.47	.....External, No abnormalities detected
6	M	4.80	.....External, No abnormalities detected
7	F	4.50	.....External, No abnormalities detected
8	M	5.12	.....External, No abnormalities detected
10	F	3.60	.....External, No abnormalities detected
12	M	4.90	.....External, No abnormalities detected
13	M	5.67	.....External, No abnormalities detected
14	F	3.33	.....External, No abnormalities detected
15	F	5.39	.....External, No abnormalities detected
16	F	4.71	.....External, No abnormalities detected
Dam: 5 Pregnancy Type: P			
2	F	5.16	.....External, No abnormalities detected
3	F	4.93	.....External, No abnormalities detected
4	F	4.84	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09

Page: 4

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 5 (Continued...)			
5	F	4.95	.....External, No abnormalities detected
6	F	4.83	.....External, No abnormalities detected
7	M	5.01	.....External, No abnormalities detected
8	F	5.03	.....External, No abnormalities detected
9	F	4.96	.....External, No abnormalities detected
10	F	4.97	.....External, No abnormalities detected
11	M	4.82	.....External, No abnormalities detected
12	F	5.18	.....External, No abnormalities detected
13	M	5.41	.....External, No abnormalities detected
14	F	4.53	.....External, No abnormalities detected
Dam: 6 Pregnancy Type: P			
1	M	3.42	.....External, No abnormalities detected
2	M	5.09	.....External, No abnormalities detected
3	M	5.45	.....External, No abnormalities detected
4	M	5.58	.....External, No abnormalities detected
5	M	5.64	.....External, No abnormalities detected
6	F	5.61	.....External, No abnormalities detected
7	M	5.61	.....External, No abnormalities detected
8	F	4.46	.....External, No abnormalities detected
9	M	5.89	.....External, No abnormalities detected
10	F	5.39	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations
 20256434

07-Dec-2020 11:04:09

Page: 5

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 7 Pregnancy Type: P			
1	F	5.23	.....External, No abnormalities detected
2	M	5.04	.....External, No abnormalities detected
3	F	4.76	.....External, No abnormalities detected
4	F	4.85	.....External, No abnormalities detected
5	F	5.14	.....External, No abnormalities detected
6	M	5.12	.....External, No abnormalities detected
7	M	4.84	.....External, No abnormalities detected
8	F	4.95	.....External, No abnormalities detected
9	M	5.44	.....External, No abnormalities detected
10	F	5.33	.....External, No abnormalities detected
11	M	5.50	.....External, No abnormalities detected
12	M	5.32	.....External, No abnormalities detected
13	M	5.13	.....External, No abnormalities detected
14	F	4.59	.....External, No abnormalities detected
Dam: 8 Pregnancy Type: P			
1	M	4.66	.....External, No abnormalities detected
2	M	4.87	.....External, No abnormalities detected
4	F	4.97	.....External, No abnormalities detected
5	F	5.11	.....External, No abnormalities detected
7	M	4.43	.....External, No abnormalities detected
8	M	5.48	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09

Page: 6

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 8 (Continued...)			
9	F	5.12	.....External, No abnormalities detected
11	F	4.96	.....External, No abnormalities detected
12	M	5.20	.....External, No abnormalities detected
15	F	4.91	.....External, No abnormalities detected
16	M	5.53	.....External, No abnormalities detected
17	F	4.64	.....External, No abnormalities detected
Dam: 9 Pregnancy Type: P			
1	F	4.75	.....External, No abnormalities detected
2	M	4.92	.....External, No abnormalities detected
3	F	4.39	.....External, No abnormalities detected
4	M	5.25	.....External, No abnormalities detected
5	F	5.24	.....External, No abnormalities detected
6	M	5.42	.....External, No abnormalities detected
7	M	5.48	.....External, No abnormalities detected
8	M	5.28	.....External, No abnormalities detected
9	M	5.07	.....External, No abnormalities detected
10	M	4.69	.....External, No abnormalities detected
11	M	5.27	.....External, No abnormalities detected
12	F	4.74	.....External, No abnormalities detected
13	F	5.36	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09

Page: 7

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 10 Pregnancy Type: P			
1	M	5.27	.....External, No abnormalities detected
2	M	5.14	.....External, No abnormalities detected
3	M	5.45	.....External, No abnormalities detected
4	M	5.43	.....External, No abnormalities detected
6	M	5.74	.....External, No abnormalities detected
7	M	5.65	.....External, No abnormalities detected
8	M	5.26	.....External, No abnormalities detected
9	M	5.15	.....External, No abnormalities detected
10	M	5.08	.....External, No abnormalities detected
11	F	5.16	.....External, No abnormalities detected
12	F	4.89	.....External, No abnormalities detected
Dam: 11 Pregnancy Type: P			
1	M	4.88	.....External, No abnormalities detected
2	M	4.89	.....External, No abnormalities detected
3	F	4.29	.....External, No abnormalities detected
4	F	4.96	.....External, No abnormalities detected
5	F	5.27	.....External, No abnormalities detected
6	F	4.88	.....External, No abnormalities detected
7	M	5.44	.....External, No abnormalities detected
8	F	5.27	.....External, No abnormalities detected
9	M	5.12	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09

Page: 8

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 11 (Continued...)			
10	F	5.08	.....External, No abnormalities detected
11	F	5.29	.....External, No abnormalities detected
12	M	5.45	.....External, No abnormalities detected
Dam: 12 Pregnancy Type: P			
1	F	4.95	.....External, No abnormalities detected
2	M	5.12	.....External, No abnormalities detected
3	M	4.78	.....External, No abnormalities detected
5	M	5.25	.....External, No abnormalities detected
6	F	4.51	.....External, No abnormalities detected
7	F	4.77	.....External, No abnormalities detected
8	M	4.97	.....External, No abnormalities detected
9	M	4.93	.....External, No abnormalities detected
10	F	4.87	.....External, No abnormalities detected
11	M	5.01	.....External, No abnormalities detected
12	F	5.01	.....External, No abnormalities detected
13	M	5.08	.....External, No abnormalities detected
14	F	4.39	.....External, No abnormalities detected
Dam: 13 Pregnancy Type: P			
1	F	4.29	.....External, No abnormalities detected
2	F	4.40	.....External, No abnormalities detected
3	M	4.09	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09

Page: 9

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 13 (Continued...)			
4	M	3.80	.....External, No abnormalities detected
5	F	4.75	.....External, No abnormalities detected
6	M	5.01	.....External, No abnormalities detected
8	M	4.85	.....External, No abnormalities detected
9	F	4.81	.....External, No abnormalities detected
10	M	4.62	.....External, No abnormalities detected
11	F	4.43	.....External, No abnormalities detected
12	M	4.21	.....External, No abnormalities detected
13	M	5.03	.....External, No abnormalities detected
14	F	5.10	.....External, No abnormalities detected
15	F	4.66	.....External, No abnormalities detected
Dam: 14 Pregnancy Type: P			
1	M	5.06	.....External, No abnormalities detected
2	F	4.55	.....External, No abnormalities detected
3	M	5.15	.....External, No abnormalities detected
4	M	5.09	.....External, No abnormalities detected
5	F	4.54	.....External, No abnormalities detected
7	M	4.25	.....External, No abnormalities detected
8	M	4.93	.....External, No abnormalities detected
9	F	4.54	.....External, No abnormalities detected
10	F	4.92	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 10

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 14 (Continued...)			
11	M	4.80	.....External, No abnormalities detected
12	F	4.44	.....External, No abnormalities detected
13	F	4.69	.....External, No abnormalities detected
14	F	4.30	.....External, No abnormalities detected
Dam: 15 Pregnancy Type: P			
1	M	5.17	.....External, No abnormalities detected
2	F	4.70	.....External, No abnormalities detected
3	M	5.18	.....External, No abnormalities detected
4	F	5.06	.....External, No abnormalities detected
5	M	5.16	.....External, No abnormalities detected
6	M	5.22	.....External, No abnormalities detected
7	F	5.00	.....External, No abnormalities detected
9!	M	5.30	.....External, No abnormalities detected
10	M	5.09	.....External, No abnormalities detected
11	F	5.14	.....External, No abnormalities detected
12	M	4.91	.....External, No abnormalities detected
13	F	4.87	.....External, No abnormalities detected
14	M	4.73	.....External, No abnormalities detected
Dam: 16 Pregnancy Type: P			
1	M	4.74	.....External, No abnormalities detected
2	M	4.84	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 11

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 16 (Continued...)			
3	M	4.86	.....External, No abnormalities detected
4	F	4.69	.....External, No abnormalities detected
5	F	4.74	.....External, No abnormalities detected
6	F	4.53	.....External, No abnormalities detected
7	F	4.84	.....External, No abnormalities detected
8	F	4.92	.....External, No abnormalities detected
9	F	4.97	.....External, No abnormalities detected
10	F	4.42	.....External, No abnormalities detected
11	F	4.61	.....External, No abnormalities detected
12	F	4.10	.....External, No abnormalities detected
13	F	3.91	.....External, No abnormalities detected
Dam: 17 Pregnancy Type: P			
1	M	4.92	.....External, No abnormalities detected
2	M	4.10	.....External, No abnormalities detected
3	F	4.67	.....External, No abnormalities detected
4	F	4.50	.....External, No abnormalities detected
6	M	5.49	.....External, No abnormalities detected
7	M	5.08	.....External, No abnormalities detected
8	M	4.78	.....External, No abnormalities detected
9	F	4.80	.....External, No abnormalities detected
10	M	4.56	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 12

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 17 (Continued...)			
11	F	4.76	.....External, No abnormalities detected
12	F	4.25	.....External, No abnormalities detected
13	F	4.84	.....External, No abnormalities detected
14	F	4.37	.....External, No abnormalities detected
15	F	4.29	.....External, No abnormalities detected
16	F	4.10	.....External, No abnormalities detected
Dam: 18 Pregnancy Type: P			
1	F	4.87	.....External, No abnormalities detected
2	M	5.08	.....External, No abnormalities detected
3	F	5.12	.....External, No abnormalities detected
4	F	5.09	.....External, No abnormalities detected
5	M	5.13	.....External, No abnormalities detected
6	F	5.18	.....External, No abnormalities detected
7	F	5.04	.....External, No abnormalities detected
8	F	5.19	.....External, No abnormalities detected
9	F	5.07	.....External, No abnormalities detected
10	F	4.83	.....External, No abnormalities detected
11	M	5.80	.....External, No abnormalities detected
12	F	5.17	.....External, No abnormalities detected
13	M	5.21	.....External, No abnormalities detected
14	M	4.50	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 13

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 19 Pregnancy Type: P			
1	M	5.36	.....External, No abnormalities detected
2	M	5.26	.....External, No abnormalities detected
4	M	5.38	.....External, No abnormalities detected
5	F	5.01	.....External, No abnormalities detected
6	F	5.02	.....External, No abnormalities detected
7	F	4.68	.....External, No abnormalities detected
8	F	4.10	.....External, No abnormalities detected
9	F	5.14	.....External, No abnormalities detected
10	F	5.30	.....External, No abnormalities detected
11	F	5.27	.....External, No abnormalities detected
12	F	4.77	.....External, No abnormalities detected
13	M	4.90	.....External, No abnormalities detected
Dam: 20 Pregnancy Type: NPE			
Dam: 21 Pregnancy Type: P			
1	M	4.80	.....External, No abnormalities detected
2	F	4.18	.....External, No abnormalities detected
3	F	3.84	.....External, No abnormalities detected
4	M	4.75	.....External, No abnormalities detected
5	M	4.75	.....External, No abnormalities detected
6	M	5.07	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations
 20256434

07-Dec-2020 11:04:09

Page: 14

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 21 (Continued...)			
7	M	4.57	.....External, No abnormalities detected
8	M	4.66	.....External, No abnormalities detected
9	F	4.49	.....External, No abnormalities detected
10	F	4.61	.....External, No abnormalities detected
11	F	4.57	.....External, No abnormalities detected
12	F	4.51	.....External, No abnormalities detected
13	M	4.82	.....External, No abnormalities detected
14	F	4.66	.....External, No abnormalities detected
15	M	4.93	.....External, No abnormalities detected
16	M	4.96	.....External, No abnormalities detected
Dam: 22 Pregnancy Type: P			
2	F	4.46	.....External, No abnormalities detected
3	F	5.04	.....External, No abnormalities detected
4	F	4.81	.....External, No abnormalities detected
5	F	4.65	.....External, No abnormalities detected
6	F	4.72	.....External, No abnormalities detected
7!	F	4.85	.....External, No abnormalities detected
8	M	4.87	.....External, No abnormalities detected
9	M	5.04	.....External, No abnormalities detected
10	M	5.30	.....External, No abnormalities detected
11	F	4.79	.....External, No abnormalities detected

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 15

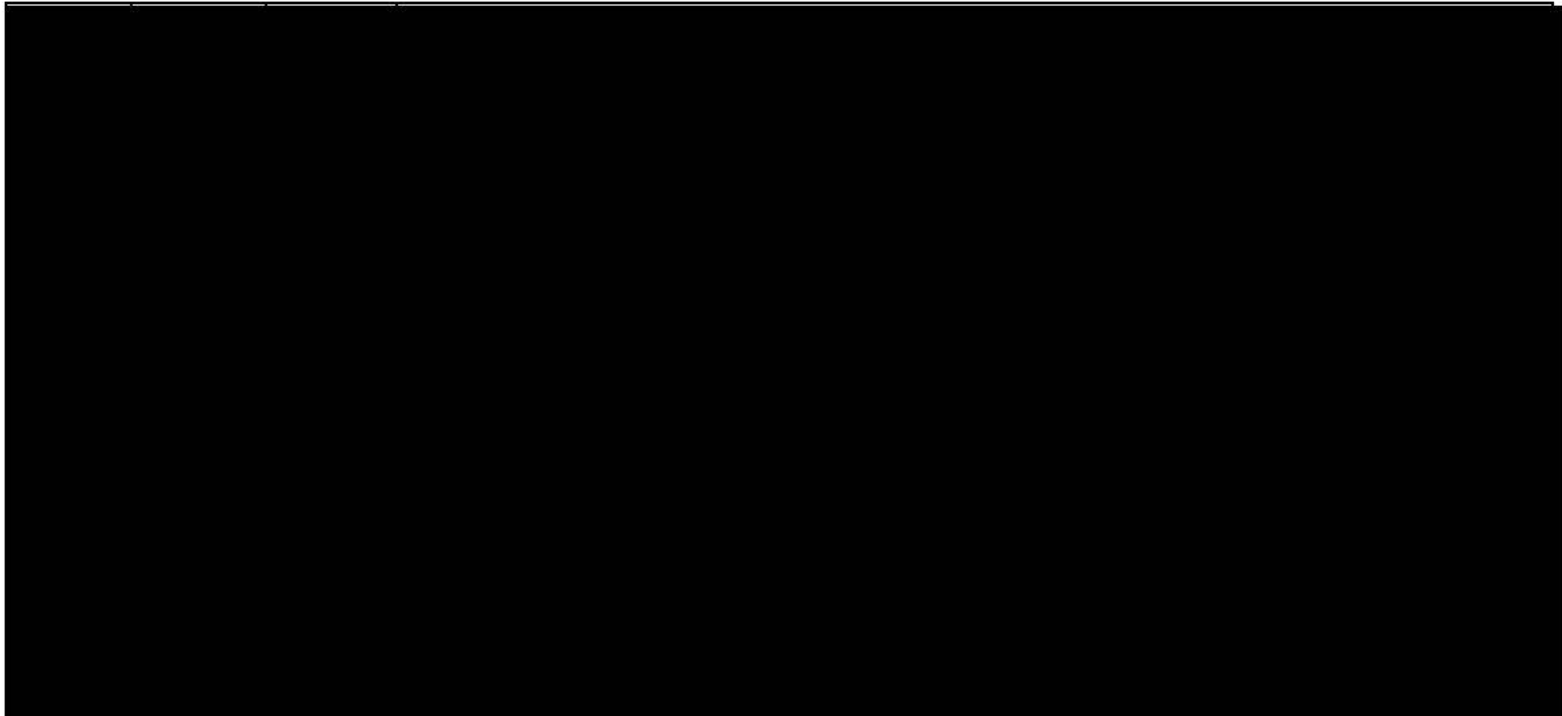
Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 22 (Continued...)			
12	F	4.53	.....External, No abnormalities detected
13	M	4.83	.....External, No abnormalities detected
14	M	4.32	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 16

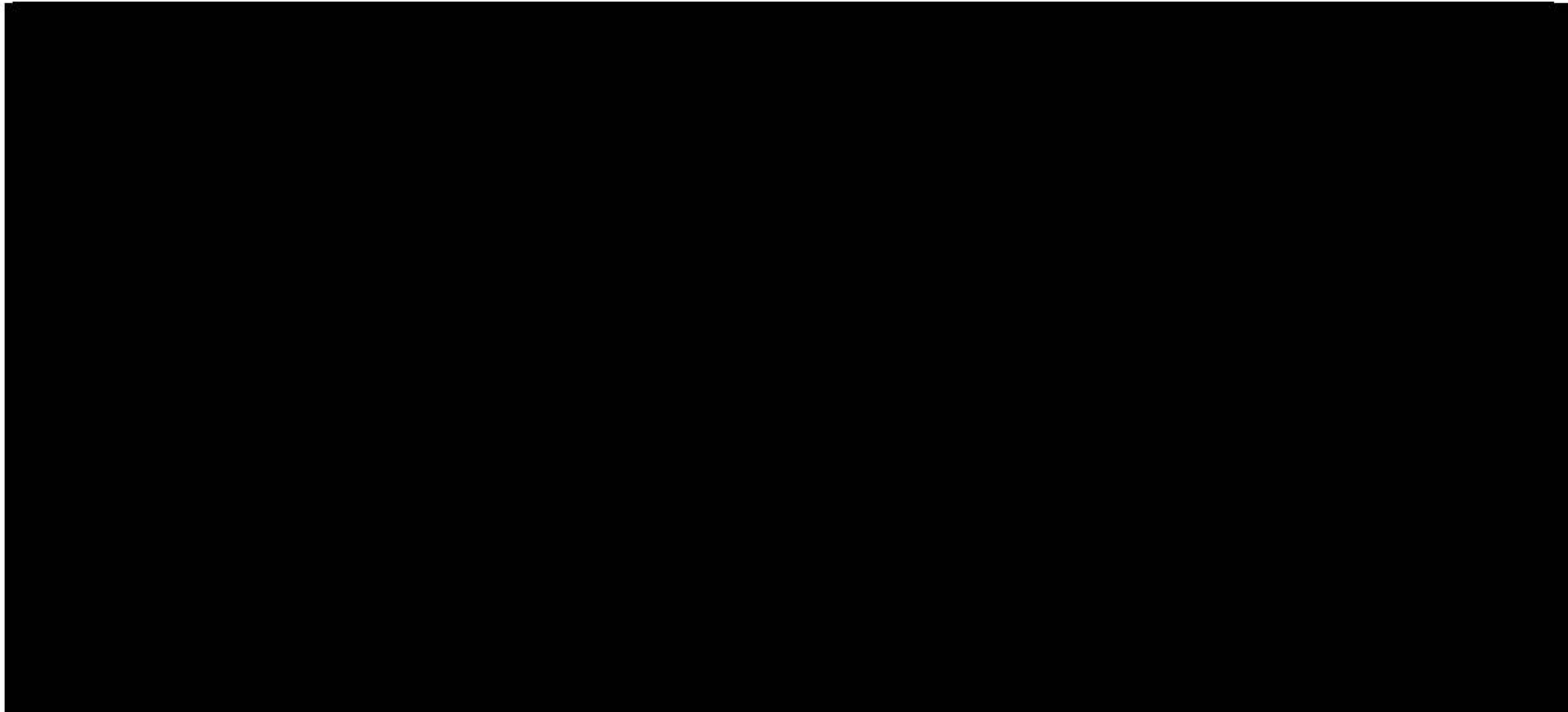


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 17

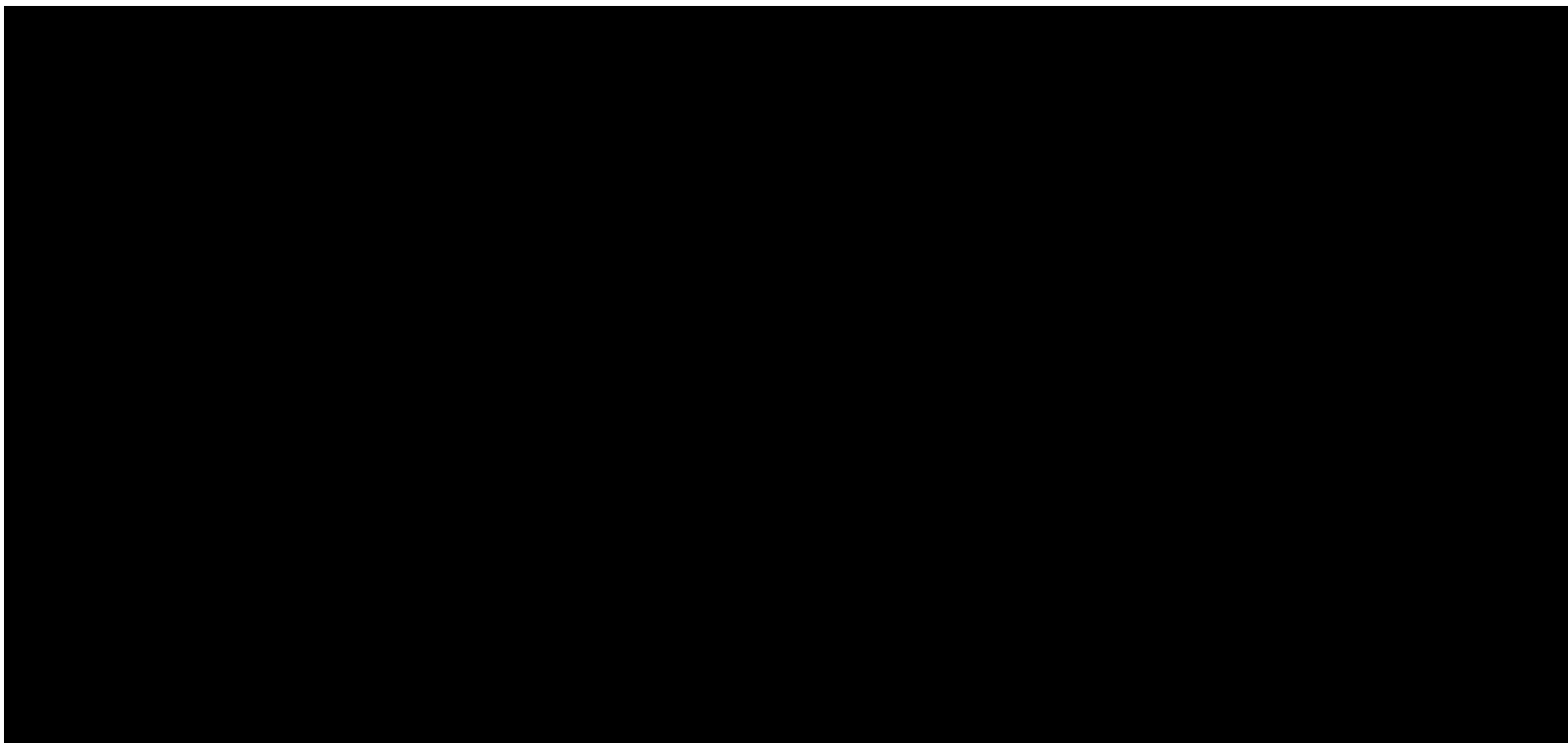


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 18

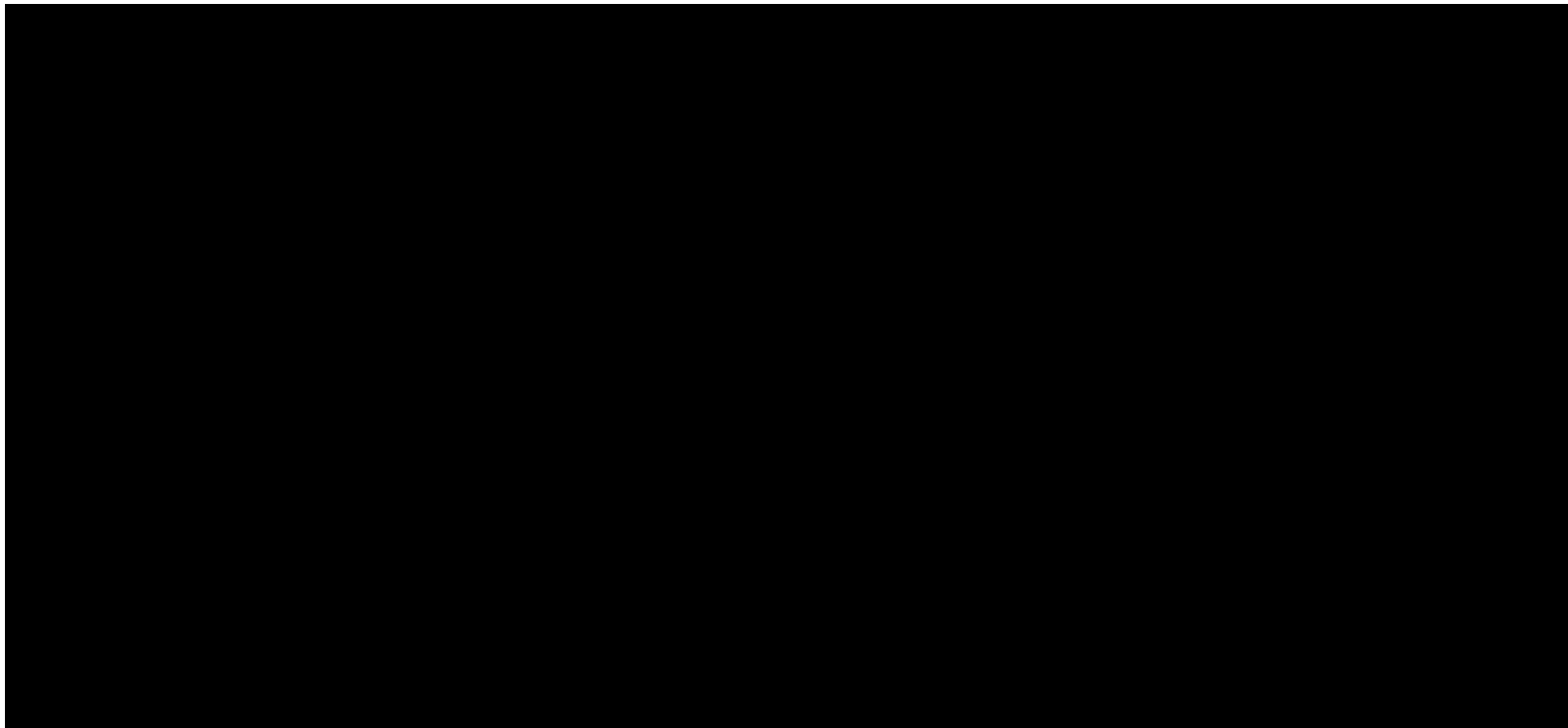


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Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 19

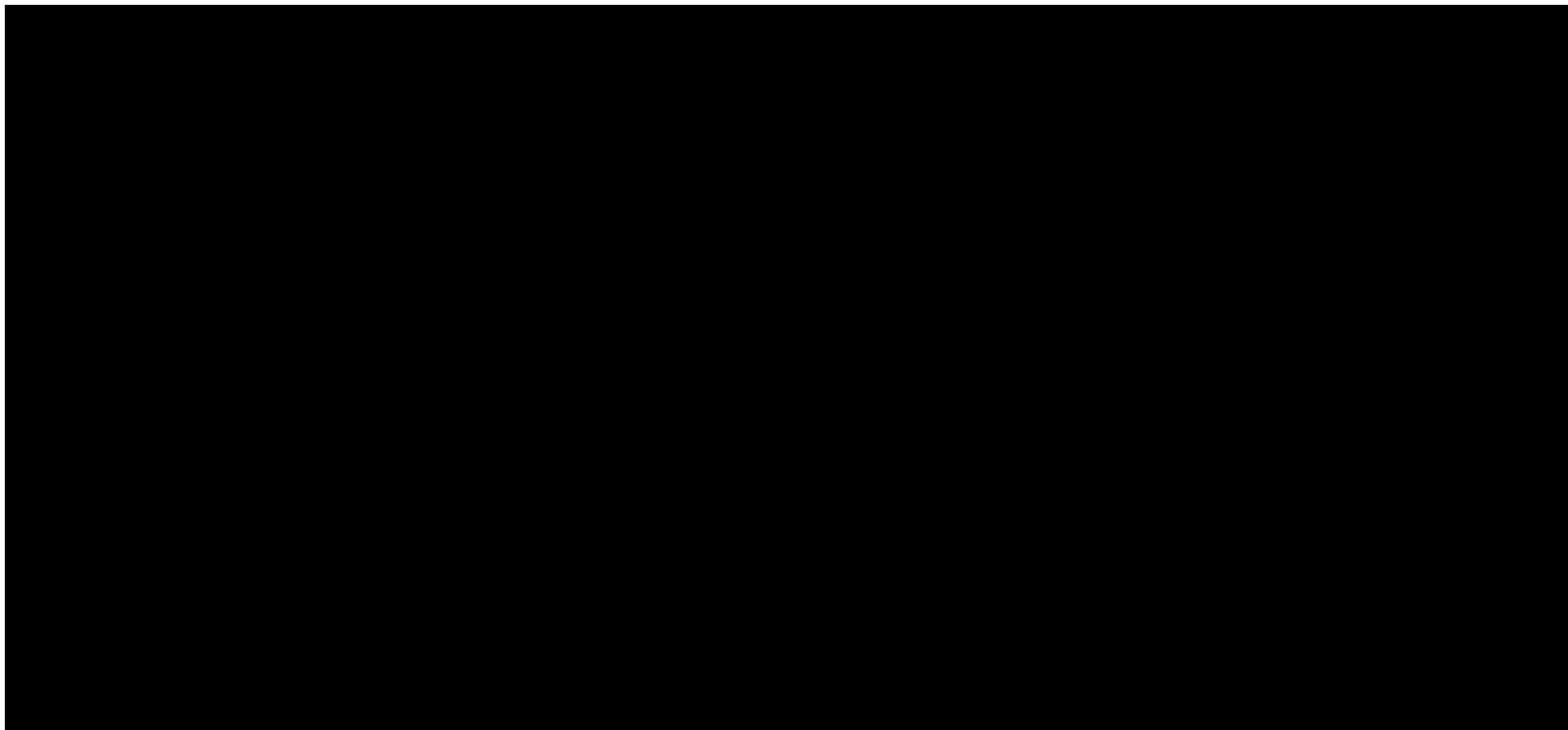


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Provantis
Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 20

20256434

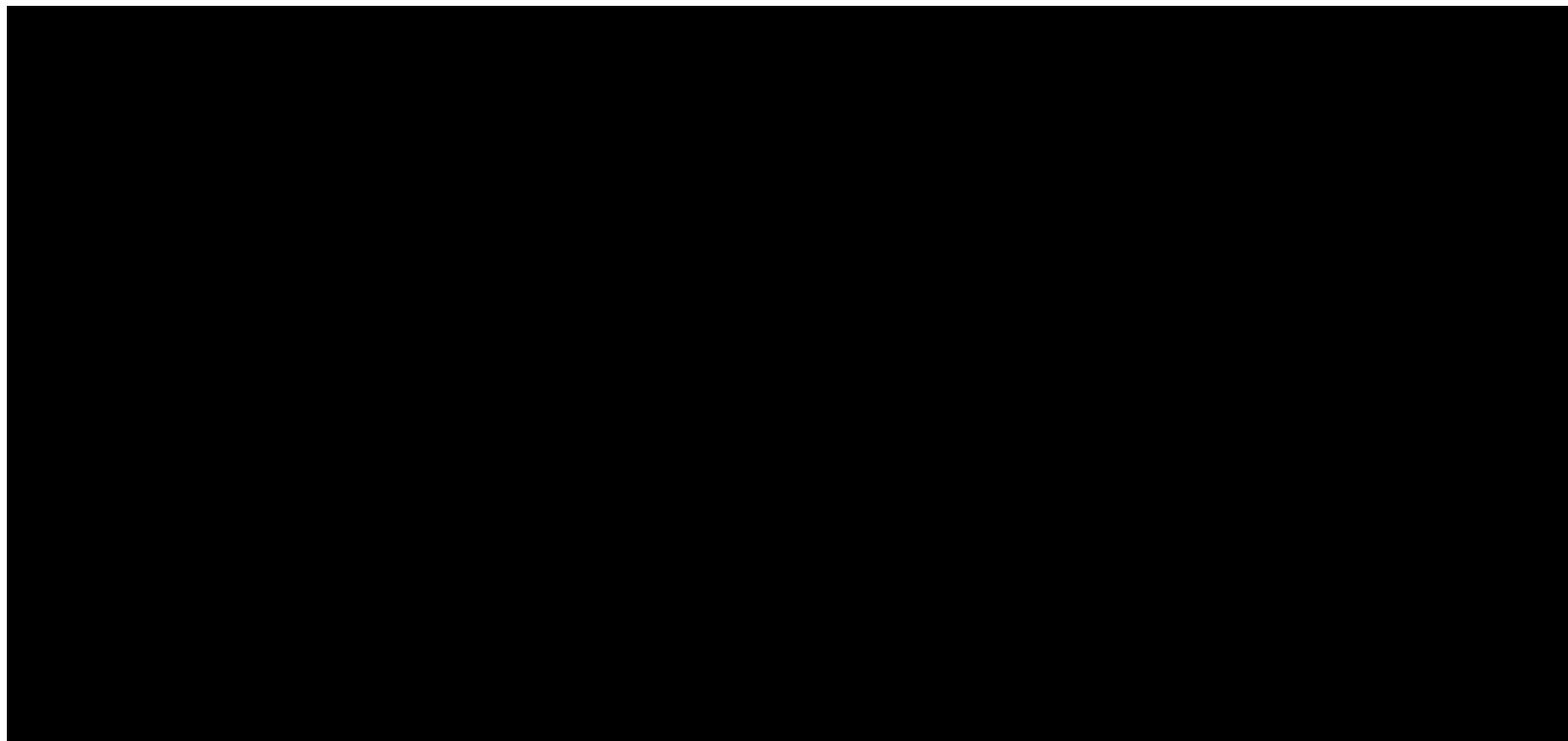


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Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 21

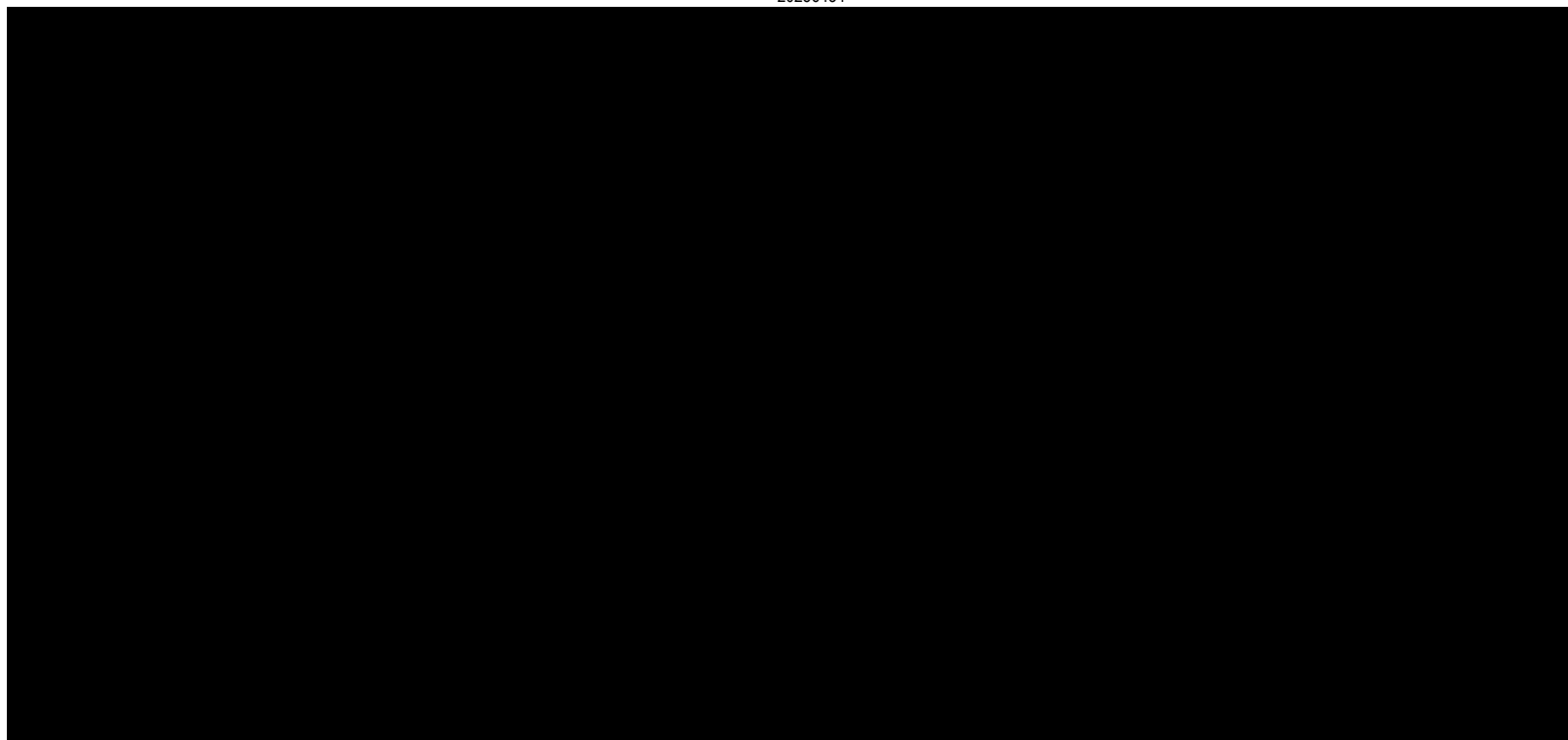


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Provantis
Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 22

20256434

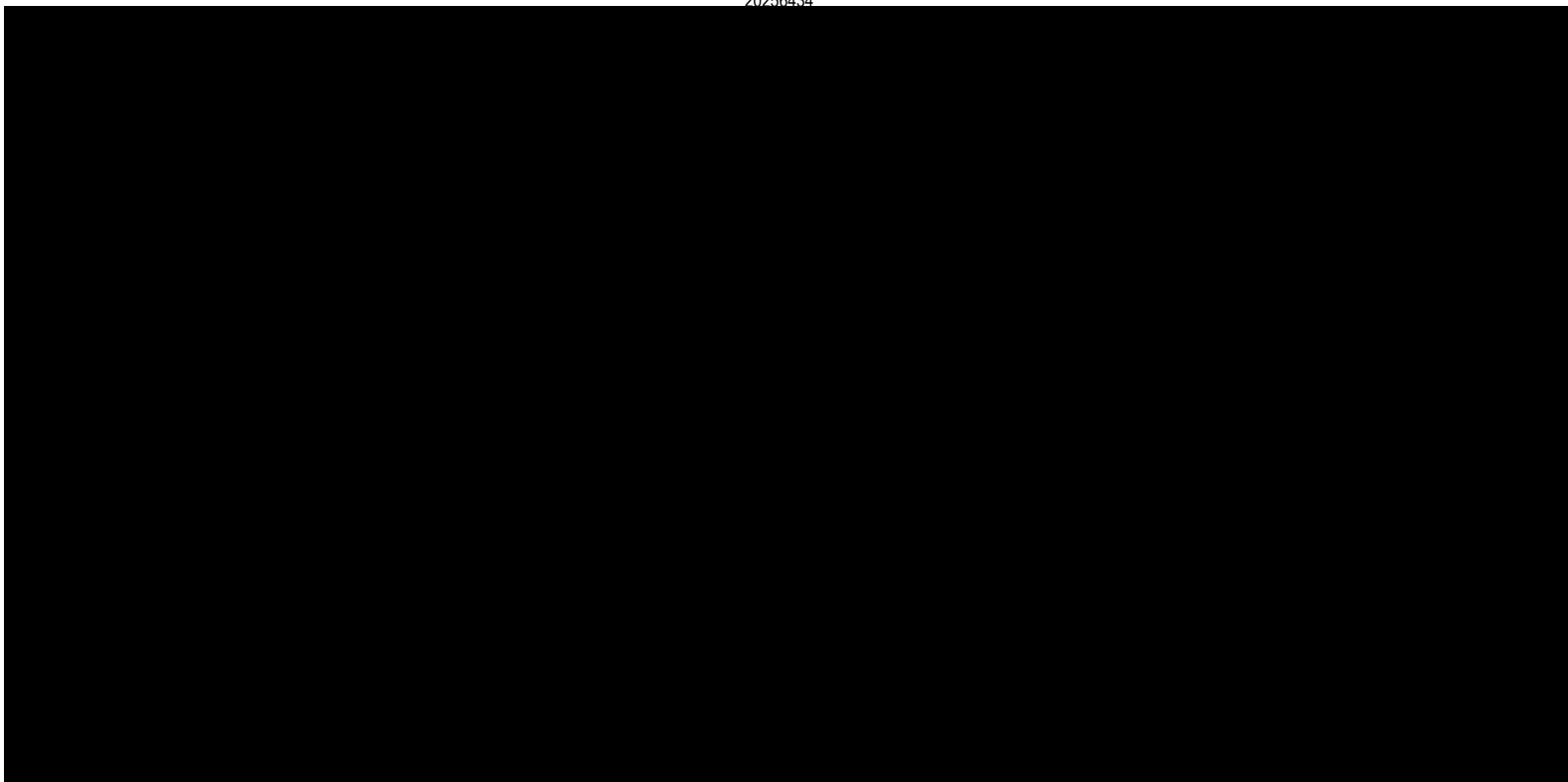


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Provantis
Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 23

20256434

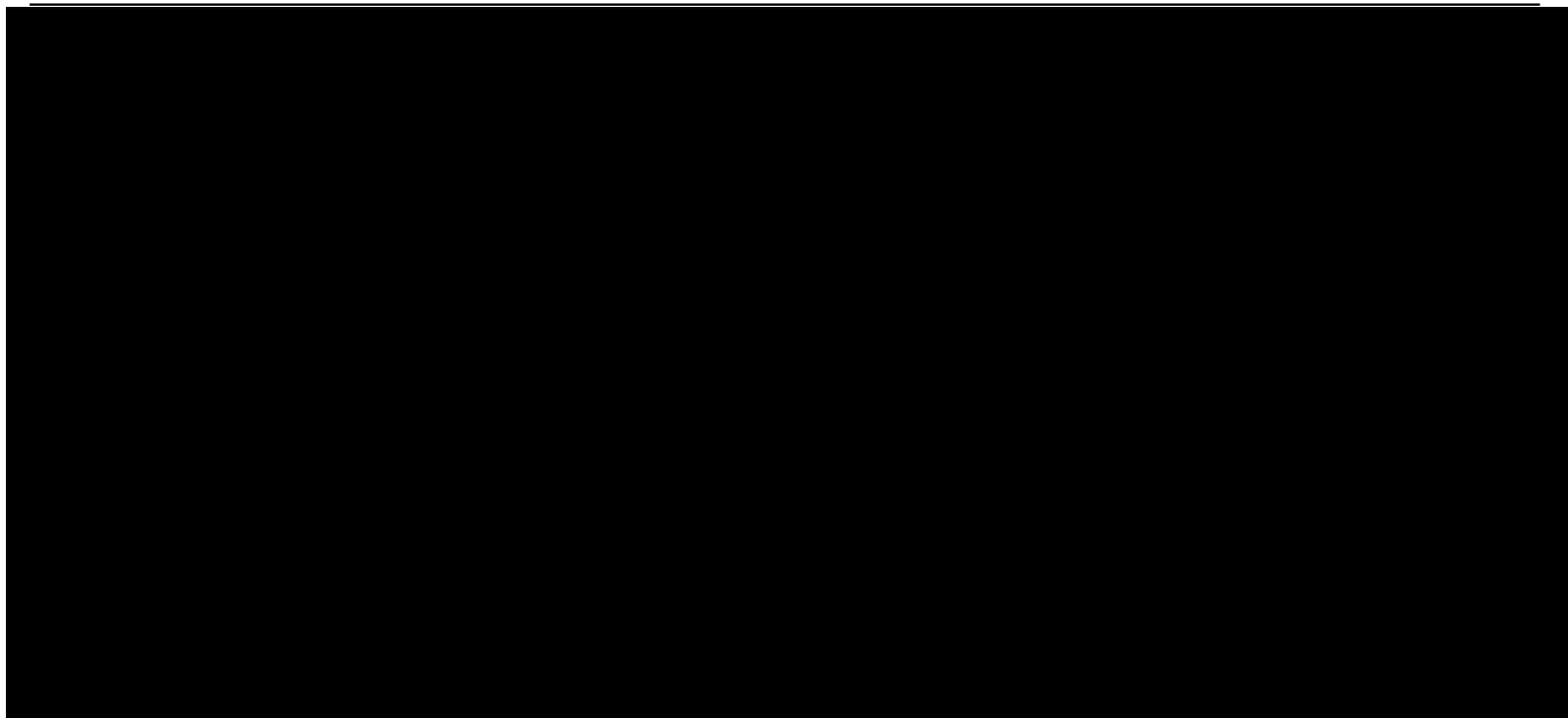


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Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 24

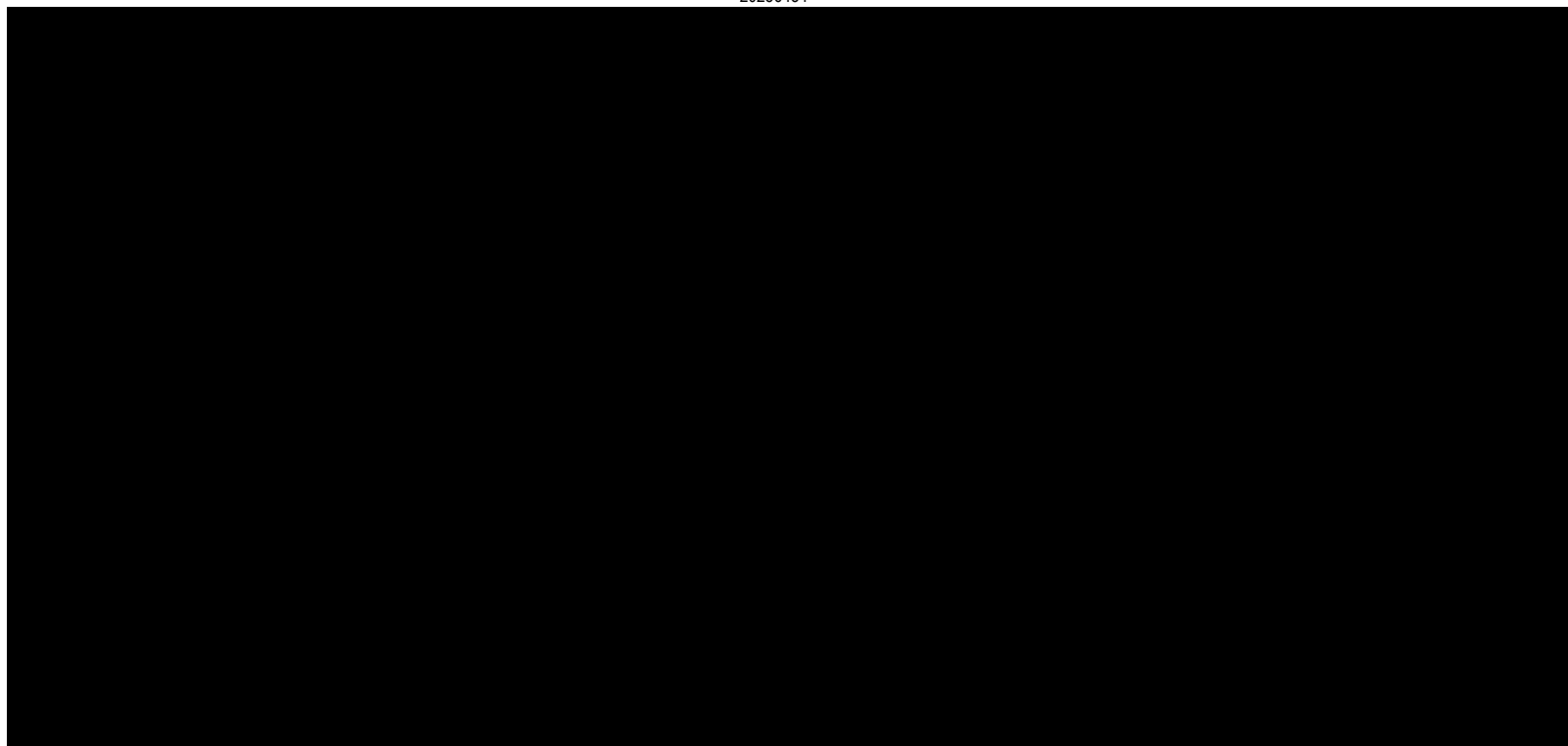


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 25

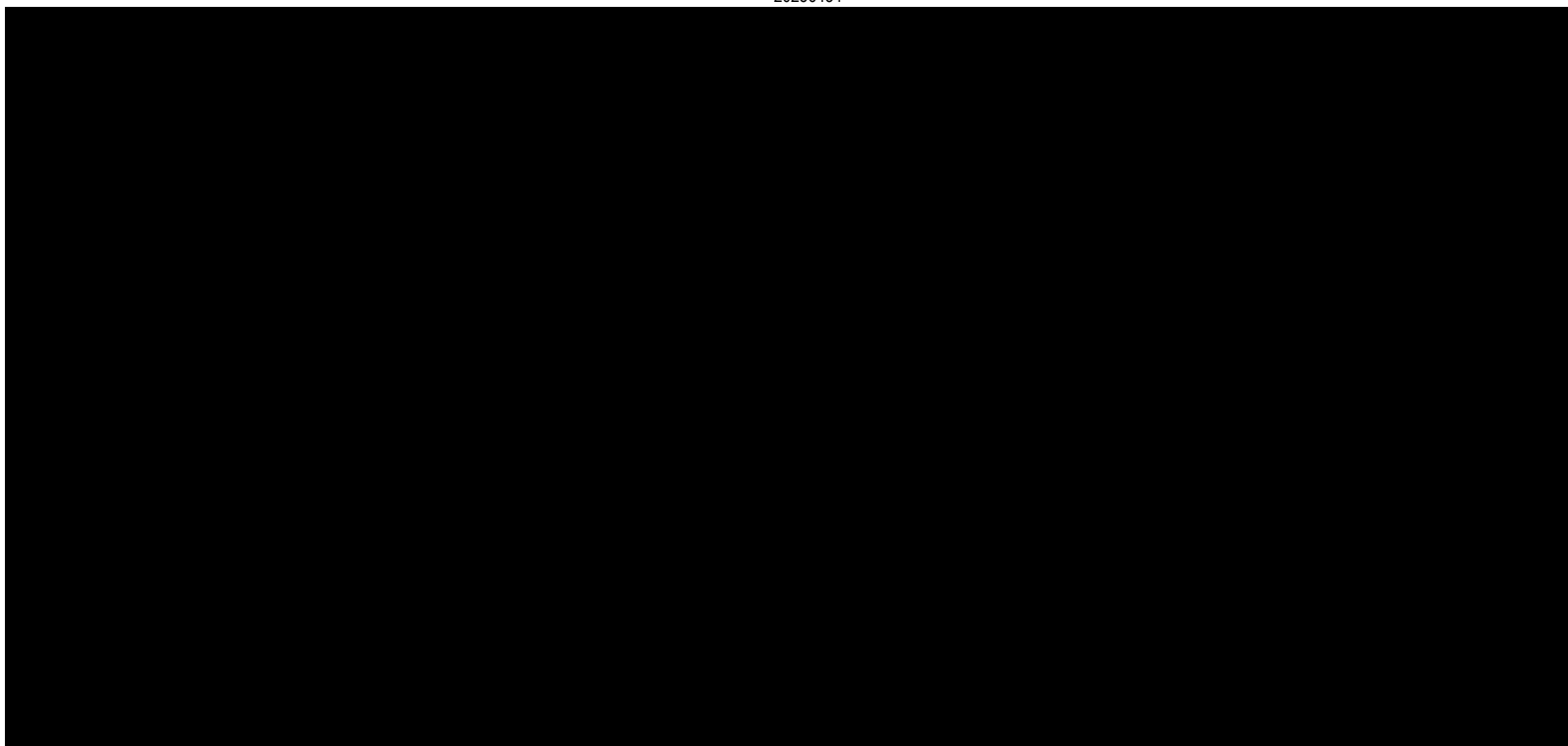


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 26

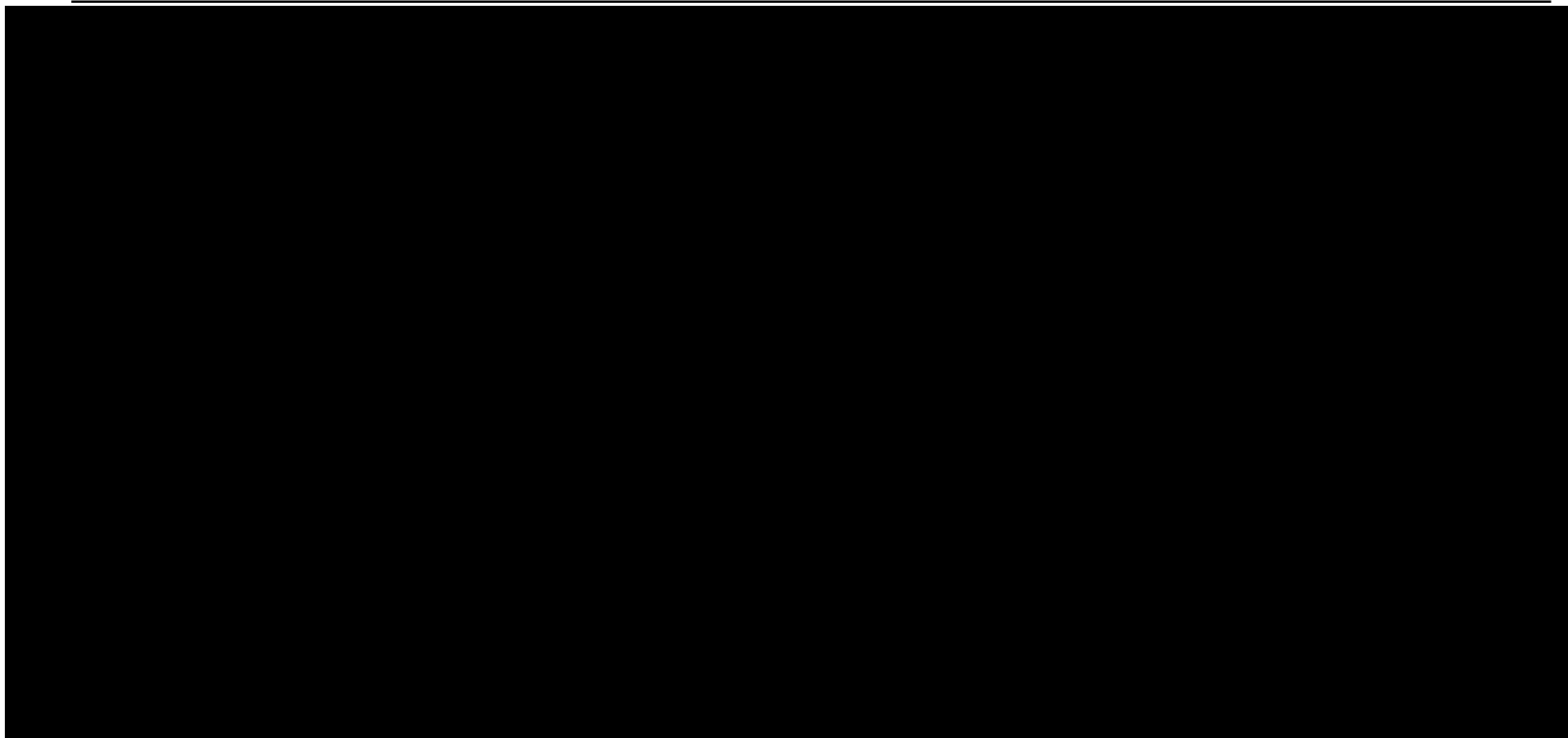


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 27

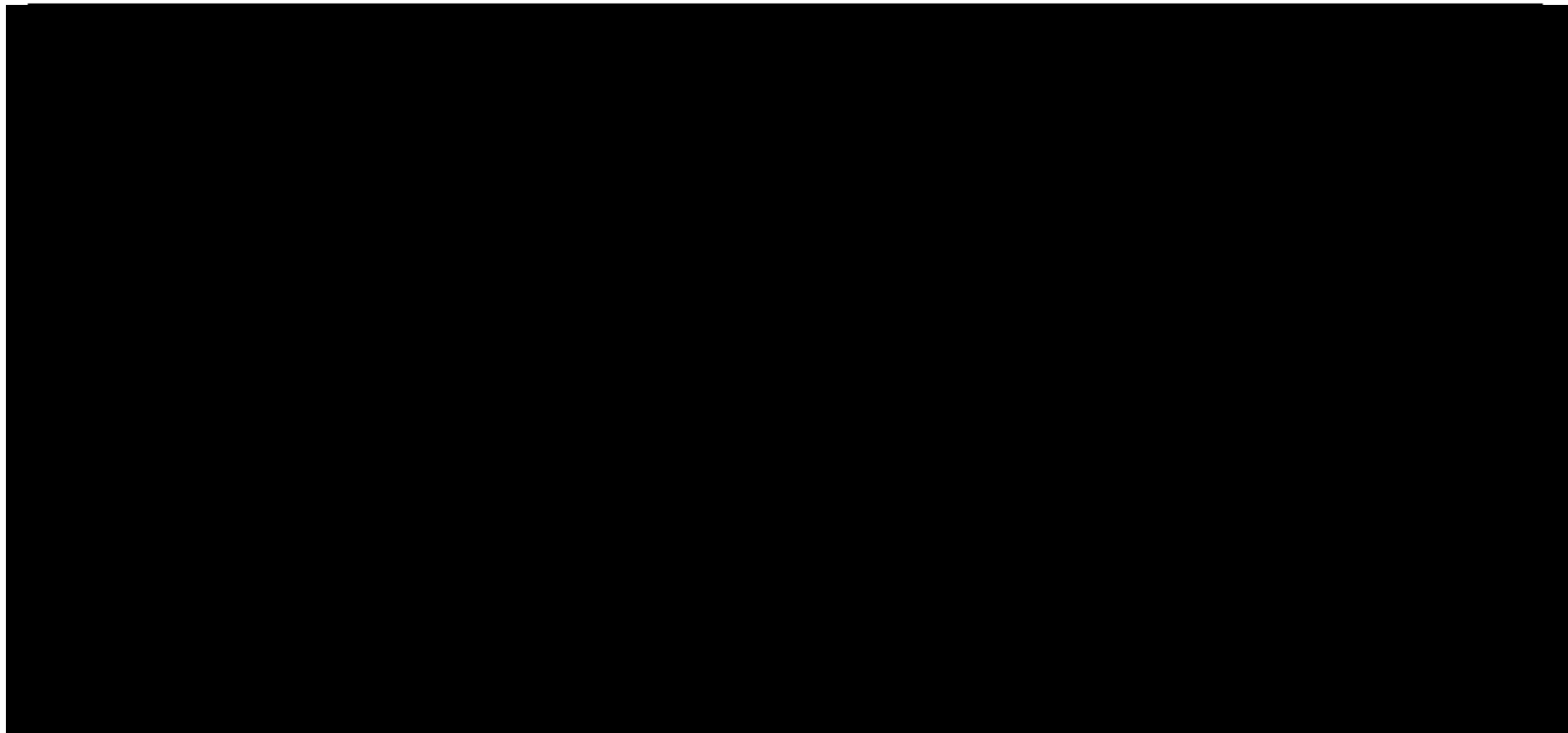


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 28

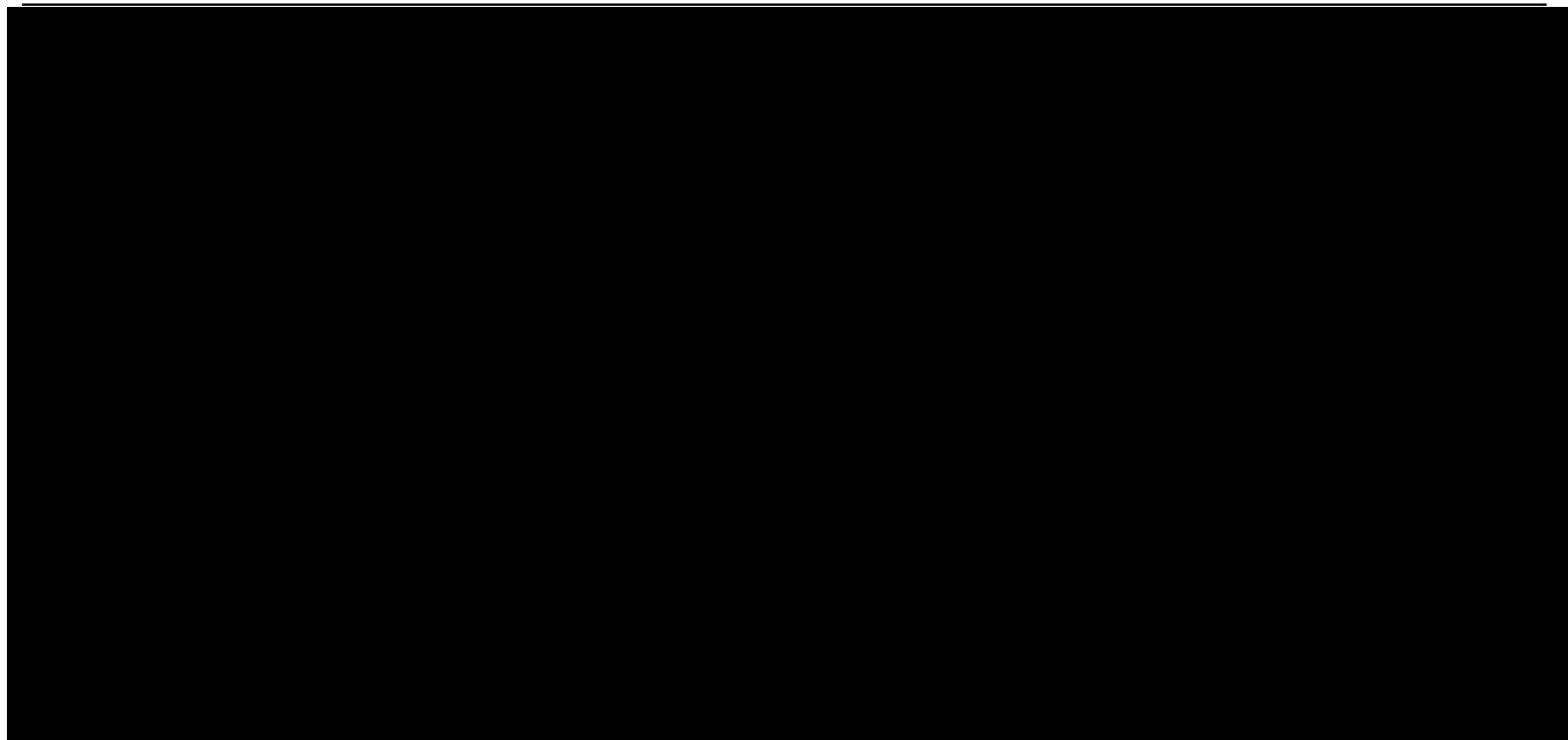


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 29



CONFIDENTIAL

Provantis
Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 30

20256434



CONFIDENTIAL

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 31

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 45 Pregnancy Type: P			
1	F	4.30	.....External, No abnormalities detected
2	F	3.69	.....External, No abnormalities detected
3	F	4.84	.....External, No abnormalities detected
4	M	4.84	.....External, No abnormalities detected
5	F	4.90	.....External, No abnormalities detected
6	M	3.87	.....External, No abnormalities detected
7	M	4.91	.....External, No abnormalities detected
8	M	5.13	.....External, No abnormalities detected
9	F	5.27	.....External, No abnormalities detected
10	M	5.20	.....External, No abnormalities detected
11!	F	4.37	.....External, No abnormalities detected
12	M	4.78	.....External, No abnormalities detected
14	F	5.17	.....External, No abnormalities detected
Dam: 46 Pregnancy Type: P			
1	M	4.82	.....External, No abnormalities detected
2	M	4.91	.....External, No abnormalities detected
3	M	4.80	.....External, No abnormalities detected
4	F	4.82	.....External, No abnormalities detected
5	F	4.57	.....External, No abnormalities detected
6	M	4.74	.....External, No abnormalities detected
7	F	5.12	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 32

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 46 (Continued...)			
8	M	5.15	.....External, No abnormalities detected
9	F	5.00	.....External, No abnormalities detected
10	F	4.49	.....External, No abnormalities detected
11	F	4.95	.....External, No abnormalities detected
12	M	4.85	.....External, No abnormalities detected
13	M	5.04	.....External, No abnormalities detected
14	M	4.84	.....External, No abnormalities detected
15	M	4.99	.....External, No abnormalities detected
16	F	4.73	.....External, No abnormalities detected
17	M	4.85	.....External, No abnormalities detected
Dam: 47 Pregnancy Type: P			
1	F	4.84	.....External, No abnormalities detected
2	F	4.59	.....External, No abnormalities detected
3	M	5.21	.....External, No abnormalities detected
4	F	4.90	.....External, No abnormalities detected
5	F	4.93	.....External, No abnormalities detected
6	M	5.10	.....External, No abnormalities detected
7!	M	5.21	.....External, No abnormalities detected
8	M	4.67	.....External, No abnormalities detected
9	F	4.42	.....External, No abnormalities detected
10	F	4.95	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 33

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 47 (Continued...)			
11	M	5.18	.....External, No abnormalities detected
12	M	5.06	.....External, No abnormalities detected
Dam: 48 Pregnancy Type: P			
1	F	5.13	.....External, No abnormalities detected
2	M	5.10	.....External, No abnormalities detected
3	F	4.42	.....External, No abnormalities detected
4	M	4.68	.....External, No abnormalities detected
5	M	4.90	.....External, No abnormalities detected
6	M	4.89	.....External, No abnormalities detected
7	M	5.14	.....External, No abnormalities detected
8	F	4.90	.....External, No abnormalities detected
9	F	4.82	.....External, No abnormalities detected
10	F	4.51	.....External, No abnormalities detected
Dam: 49 Pregnancy Type: P			
1	F	4.20	.....External, No abnormalities detected
2	M	4.73	.....External, No abnormalities detected
3	M	4.50	.....External, No abnormalities detected
5	M	4.83	.....External, No abnormalities detected
6	M	3.56	.....External, No abnormalities detected
8	M	4.93	.....External, No abnormalities detected
9	M	4.49	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 34

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 49 (Continued...)			
10	F	4 54	.....External, No abnormalities detected
12	F	4.49	.....External, No abnormalities detected
13	F	4 54	.....External, No abnormalities detected
14	F	4.19	.....External, No abnormalities detected
15	F	4.67	.....External, No abnormalities detected
17	M	4 32	.....External, No abnormalities detected
Dam: 50 Pregnancy Type: P			
1	F	4 27	.....External, No abnormalities detected
2	M	5.05	.....External, No abnormalities detected
3	M	4.73	.....External, No abnormalities detected
4	F	4 21	.....External, No abnormalities detected
6	F	4 51	.....External, No abnormalities detected
7	M	4.64	.....External, No abnormalities detected
8	M	5.16	.....External, No abnormalities detected
9	M	5 25	.....External, No abnormalities detected
10	F	4.45	.....External, No abnormalities detected
Dam: 51 Pregnancy Type: P			
1	F	5.07	.....External, No abnormalities detected
2	M	5 37	.....External, No abnormalities detected
3	M	5 56	.....External, No abnormalities detected
4	F	5.11	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 35

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 51 (Continued...)			
5	M	5.43	.....External, No abnormalities detected
6	M	5.42	.....External, No abnormalities detected
7	F	5.18	.....External, No abnormalities detected
8	M	4.54	.....External, No abnormalities detected
9	M	5.38	.....External, No abnormalities detected
10	M	4.94	.....External, No abnormalities detected
11	F	4.69	.....External, No abnormalities detected
12	M	5.55	.....External, No abnormalities detected
13	M	5.53	.....External, No abnormalities detected
14	F	5.33	.....External, No abnormalities detected
15	M	5.13	.....External, No abnormalities detected
Dam: 52 Pregnancy Type: P			
1	F	5.46	.....External, No abnormalities detected
2	F	4.99	.....External, No abnormalities detected
3	M	5.64	.....External, No abnormalities detected
4	F	5.25	.....External, No abnormalities detected
6	F	5.10	.....External, No abnormalities detected
7	F	5.12	.....External, No abnormalities detected
9	M	5.31	.....External, No abnormalities detected
10	F	5.21	.....External, No abnormalities detected
11	F	4.96	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 36

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 52 (Continued...)			
12	M	5.01	.....External, No abnormalities detected
13	M	5.74	.....External, No abnormalities detected
14	M	5.45	.....External, No abnormalities detected
15	M	5.14	.....External, No abnormalities detected
Dam: 53 Pregnancy Type: P			
1	M	4.98	.....External, No abnormalities detected
2	M	4.96	.....External, No abnormalities detected
3	F	4.85	.....External, No abnormalities detected
4	M	4.49	.....External, No abnormalities detected
5	F	4.04	.....External, No abnormalities detected
6	M	2.70	.....External, No abnormalities detected
7	F	4.28	.....External, No abnormalities detected
8	M	5.26	.....External, No abnormalities detected
9!	F	4.86	.....External, No abnormalities detected
10	M	5.10	.....External, No abnormalities detected
11	F	3.10	.....External, No abnormalities detected
12	F	4.65	.....External, No abnormalities detected
13	M	4.03	.....External, No abnormalities detected
14	M	4.98	.....External, No abnormalities detected
15	M	5.11	.....External, No abnormalities detected
16	F	3.84	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations
 20256434

07-Dec-2020 11:04:09

Page: 37

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 54 Pregnancy Type: P			
1	M	4.61	.....External, No abnormalities detected
2	M	5.45	.....External, No abnormalities detected
3	M	5.08	.....External, No abnormalities detected
4	M	5.72	.....External, No abnormalities detected
5	F	5.59	.....External, No abnormalities detected
6	M	5.38	.....External, No abnormalities detected
7	M	5.28	.....External, No abnormalities detected
8	F	4.92	.....External, No abnormalities detected
9	M	5.46	.....External, No abnormalities detected
10	M	5.16	.....External, No abnormalities detected
12	M	5.64	.....External, No abnormalities detected
13	F	5.49	.....External, No abnormalities detected
14	F	4.71	.....External, No abnormalities detected
Dam: 55 Pregnancy Type: P			
1	F	5.00	.....External, No abnormalities detected
2	M	5.64	.....External, No abnormalities detected
3	F	5.24	.....External, No abnormalities detected
4	F	5.13	.....External, No abnormalities detected
5	M	5.36	.....External, No abnormalities detected
6	F	4.81	.....External, No abnormalities detected
8	M	5.18	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 38

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 55 (Continued...)			
9	F	4 54	.....External, No abnormalities detected
10	F	5 25	.....External, No abnormalities detected
11	F	4 96	.....External, No abnormalities detected
12	M	5.42	.....External, No abnormalities detected
13	F	5.03	.....External, No abnormalities detected
14	M	5 24	.....External, No abnormalities detected
Dam: 56 Pregnancy Type: NPE			
Dam: 57 Pregnancy Type: P			
1	M	5.01	.....External, No abnormalities detected
2	F	4.67	.....External, No abnormalities detected
3	F	4.86	.....External, No abnormalities detected
4	F	4 94	.....External, No abnormalities detected
5	F	5.15	.....External, No abnormalities detected
6	M	5 26	.....External, No abnormalities detected
7	M	4 97	.....External, No abnormalities detected
8	M	5.45	.....External, No abnormalities detected
9	F	4.76	.....External, No abnormalities detected
10	M	4 20	.....External, No abnormalities detected
11	F	5 34	.....External, No abnormalities detected
12	F	5.00	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations
 20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 57 (Continued...)			
13	M	5.39	.....External, No abnormalities detected
14	M	5.40	.....External, No abnormalities detected
15	M	5.16	.....External, No abnormalities detected
Dam: 58 Pregnancy Type: P			
1	M	4.04	.....External, No abnormalities detected
2	M	5.05	.....External, No abnormalities detected
3	F	4.69	.....External, No abnormalities detected
4	M	4.78	.....External, No abnormalities detected
5	F	4.68	.....External, No abnormalities detected
7	M	5.00	.....External, No abnormalities detected
8	F	4.77	.....External, No abnormalities detected
9	M	4.00	.....External, No abnormalities detected
10	M	3.77	.....External, No abnormalities detected
11	F	4.36	.....External, No abnormalities detected
13!	M	4.83	.....External, No abnormalities detected
14	F	2.50	.....External, Body Trunk, Gastroschisis - (M)
15	F	4.59	.....External, No abnormalities detected
16	M	4.79	.....External, No abnormalities detected
Dam: 59 Pregnancy Type: P			
1	F	4.55	.....External, No abnormalities detected
2	F	4.52	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 40

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 59 (Continued...)			
4	F	5.02	.....External, No abnormalities detected
5	F	4.19	.....External, No abnormalities detected
7	F	4.27	.....External, No abnormalities detected
8	M	4.61	.....External, No abnormalities detected
9	M	5.04	.....External, No abnormalities detected
10	F	4.63	.....External, No abnormalities detected
11	M	4.35	.....External, No abnormalities detected
12	F	4.66	.....External, No abnormalities detected
13	F	4.54	.....External, No abnormalities detected
14	F	4.36	.....External, No abnormalities detected
15	F	4.79	.....External, No abnormalities detected
Dam: 60 Pregnancy Type: P			
1	F	4.99	.....External, No abnormalities detected
2	M	5.18	.....External, No abnormalities detected
3	F	5.00	.....External, No abnormalities detected
4	M	5.94	.....External, No abnormalities detected
5!	M	5.22	.....External, No abnormalities detected
6	F	4.99	.....External, No abnormalities detected
7	M	4.93	.....External, No abnormalities detected
8	M	5.25	.....External, No abnormalities detected
9	M	5.30	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 41

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 60 (Continued...)			
10	F	4.80	.....External, No abnormalities detected
11	M	5.41	.....External, No abnormalities detected
12	F	5.04	.....External, No abnormalities detected
Dam: 61 Pregnancy Type: P			
1	F	5.00	.....External, No abnormalities detected
2	M	5.13	.....External, No abnormalities detected
3	M	5.34	.....External, No abnormalities detected
4	F	5.07	.....External, No abnormalities detected
5	M	5.49	.....External, No abnormalities detected
6	F	5.07	.....External, No abnormalities detected
7	F	5.24	.....External, No abnormalities detected
8	F	5.09	.....External, No abnormalities detected
9	M	5.37	.....External, No abnormalities detected
10	M	5.34	.....External, No abnormalities detected
11	F	5.02	.....External, No abnormalities detected
12	M	5.63	.....External, No abnormalities detected
13	F	5.07	.....External, No abnormalities detected
Dam: 62 Pregnancy Type: P			
1 !	F	4.66	.....External, No abnormalities detected
2	M	5.24	.....External, No abnormalities detected
3	M	5.10	.....External, No abnormalities detected

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 42

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 62 (Continued...)			
4	F	4.88	.....External, No abnormalities detected
5	M	4.75	.....External, No abnormalities detected
6	F	4.44	.....External, No abnormalities detected
7	M	4.71	.....External, No abnormalities detected
8	M	4.60	.....External, No abnormalities detected
9	F	4.71	.....External, No abnormalities detected
10	M	4.73	.....External, No abnormalities detected
11	M	4.91	.....External, No abnormalities detected
12	M	4.84	.....External, No abnormalities detected
13	M	5.11	.....External, No abnormalities detected
14	F	4.88	.....External, No abnormalities detected
Dam: 63 Pregnancy Type: P			
1	F	4.47	.....External, No abnormalities detected
2	F	4.48	.....External, No abnormalities detected
3	M	4.55	.....External, No abnormalities detected
4	F	4.87	.....External, No abnormalities detected
5	M	4.64	.....External, No abnormalities detected
6	M	5.37	.....External, No abnormalities detected
7	F	4.80	.....External, No abnormalities detected
8	F	4.71	.....External, No abnormalities detected
9	F	4.51	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 43

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 63 (Continued...)			
10	M	4.51	.....External, No abnormalities detected
11	M	5.00	.....External, No abnormalities detected
12	F	2.79	.....External, No abnormalities detected
Dam: 64 Pregnancy Type: P			
1	F	4.89	.....External, No abnormalities detected
2	F	4.96	.....External, No abnormalities detected
3	F	4.84	.....External, No abnormalities detected
4	M	5.29	.....External, No abnormalities detected
5	M	5.19	.....External, No abnormalities detected
6	M	4.65	.....External, No abnormalities detected
7	F	4.70	.....External, No abnormalities detected
8	F	4.89	.....External, No abnormalities detected
9	F	5.03	.....External, No abnormalities detected
10	M	5.23	.....External, No abnormalities detected
13	M	4.84	.....External, No abnormalities detected
14	F	3.95	.....External, Mouth/Jaw Mouth, Misshapen - (M), [small] Jaw, Agnathia - (M), [lower]
Dam: 65 Pregnancy Type: P			
1	F	4.64	.....External, No abnormalities detected
2	M	5.21	.....External, No abnormalities detected
3	F	4.81	.....External, No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 44

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 65 (Continued...)			
4	F	4.80	.....External, No abnormalities detected
5	M	5.12	.....External, No abnormalities detected
6	F	4.55	.....External, No abnormalities detected
7	F	4.69	.....External, No abnormalities detected
8	F	5.17	.....External, No abnormalities detected
9	F	4.68	.....External, No abnormalities detected
10	M	4.83	.....External, No abnormalities detected
11	M	5.26	.....External, No abnormalities detected
12	M	5.31	.....External, No abnormalities detected
13	F	4.83	.....External, No abnormalities detected
14	M	5.12	.....External, No abnormalities detected
15	M	5.26	.....External, No abnormalities detected
16	F	4.82	.....External, No abnormalities detected
17	M	4.68	.....External, No abnormalities detected
Dam: 66 Pregnancy Type: P			
1	F	5.18	.....External, No abnormalities detected
2	F	5.62	.....External, No abnormalities detected
4	F	5.49	.....External, No abnormalities detected
5	F	5.38	.....External, No abnormalities detected
6	M	5.04	.....External, No abnormalities detected
7	M	5.75	.....External, No abnormalities detected

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

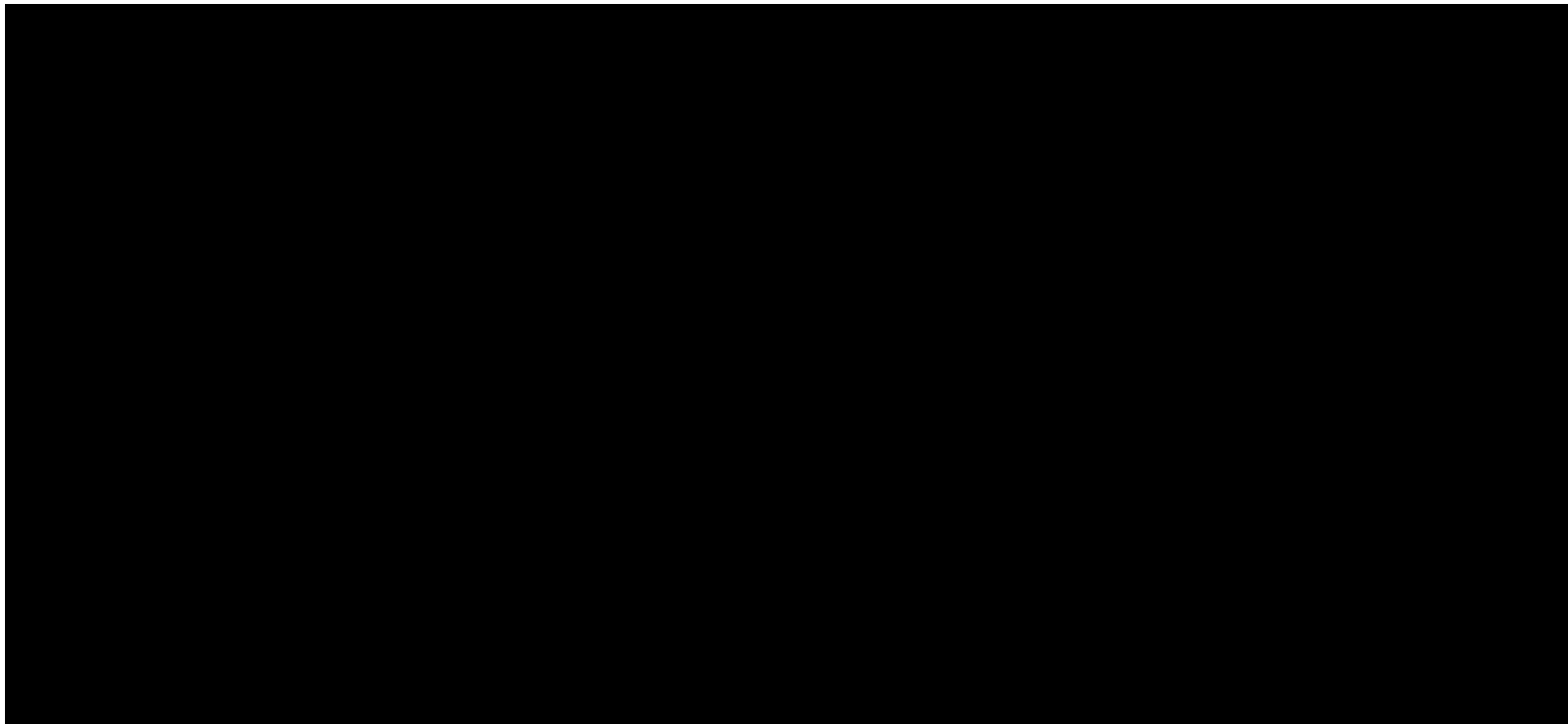
Page: 45

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 66 (Continued...)			
8	F	4.96	.....External, No abnormalities detected
9	F	5.80	.....External, No abnormalities detected
10	M	5.96	.....External, No abnormalities detected
11	M	5.39	.....External, No abnormalities detected

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 46

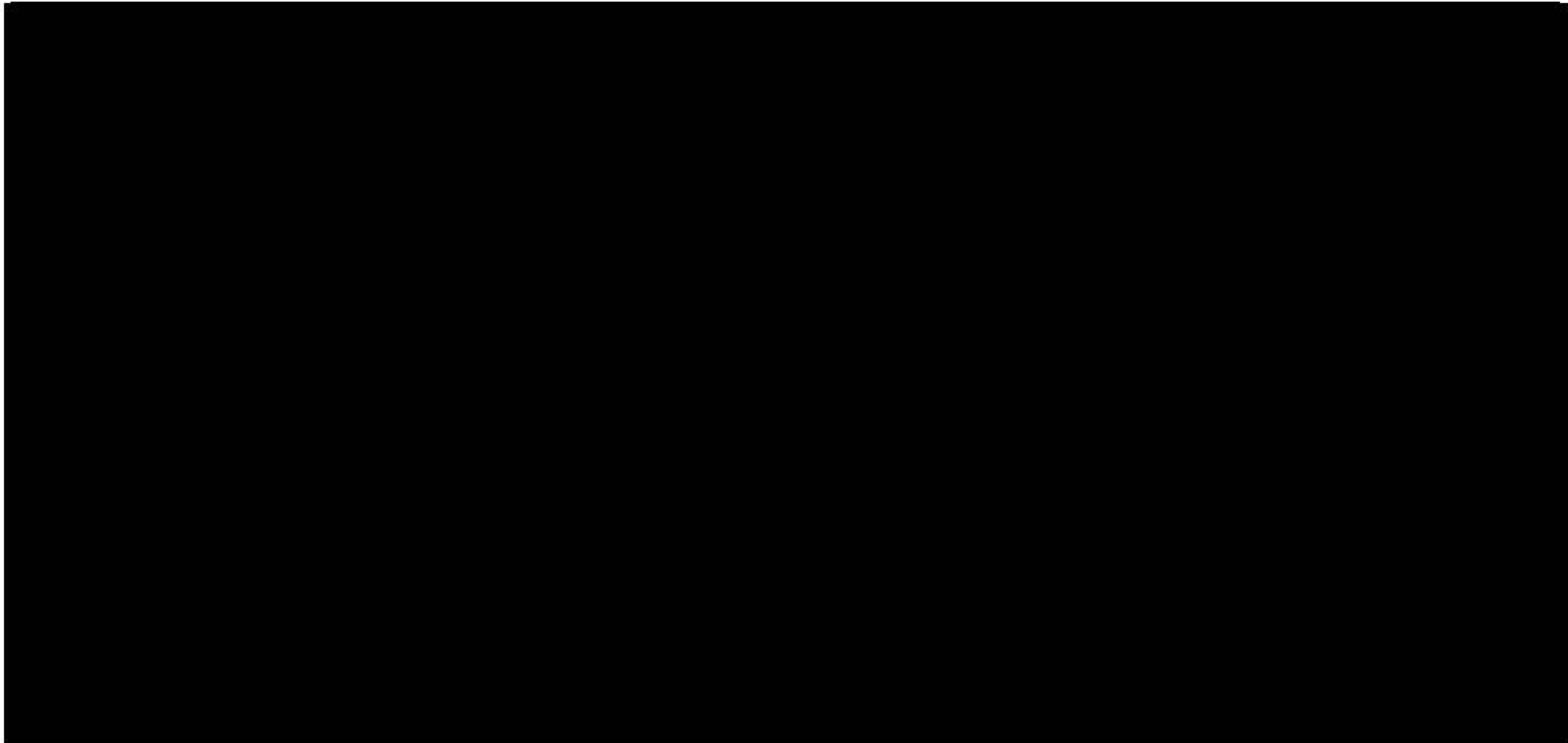


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 47

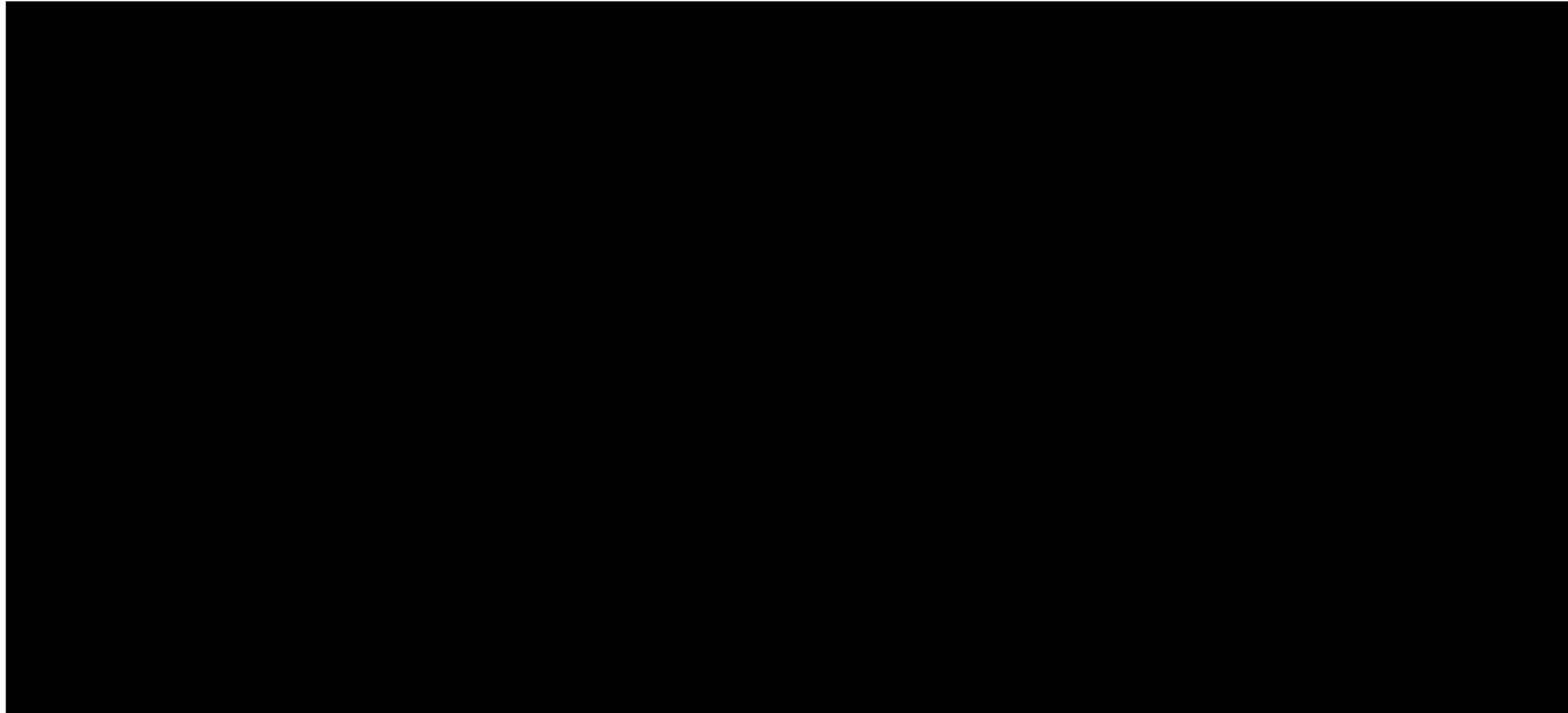


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 48

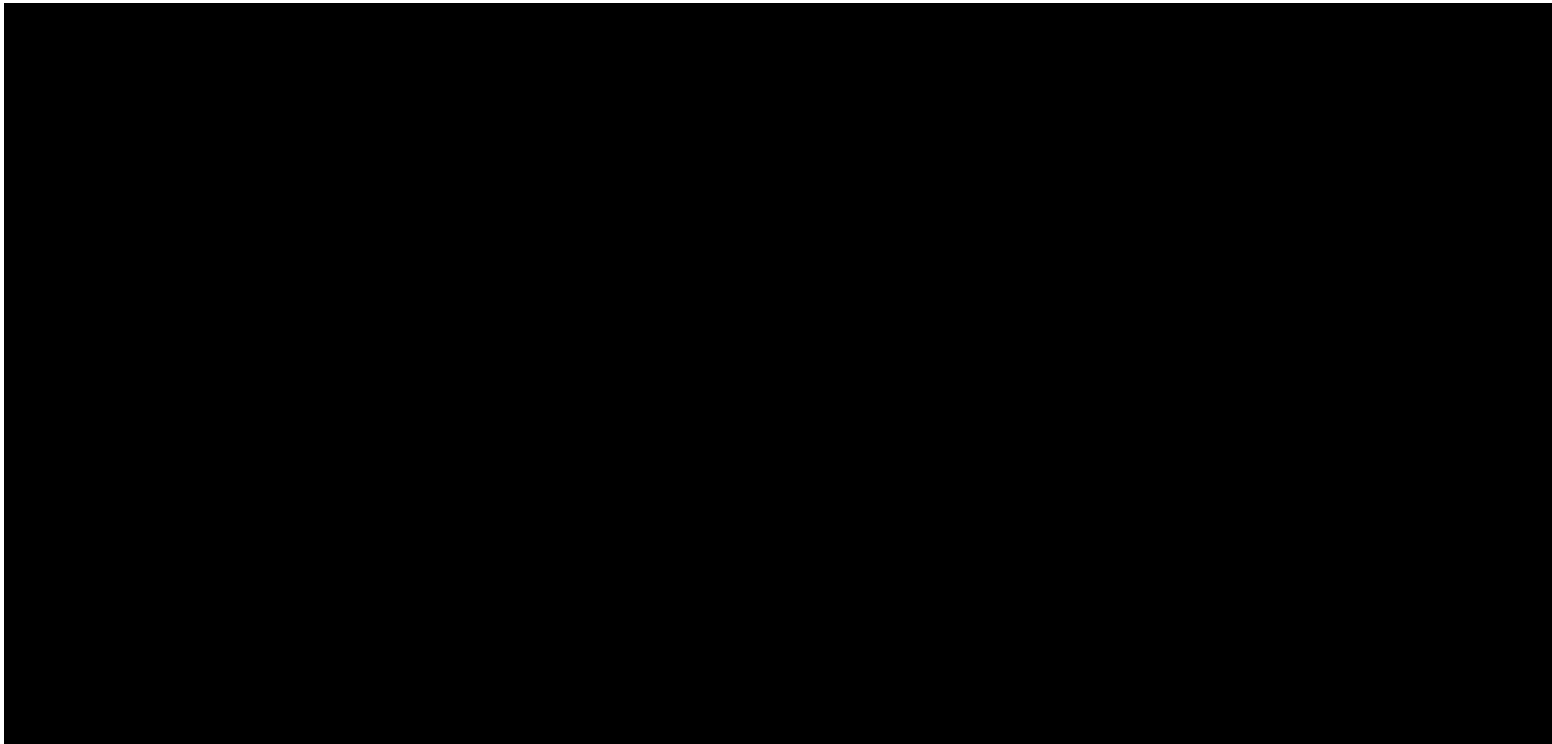


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 49

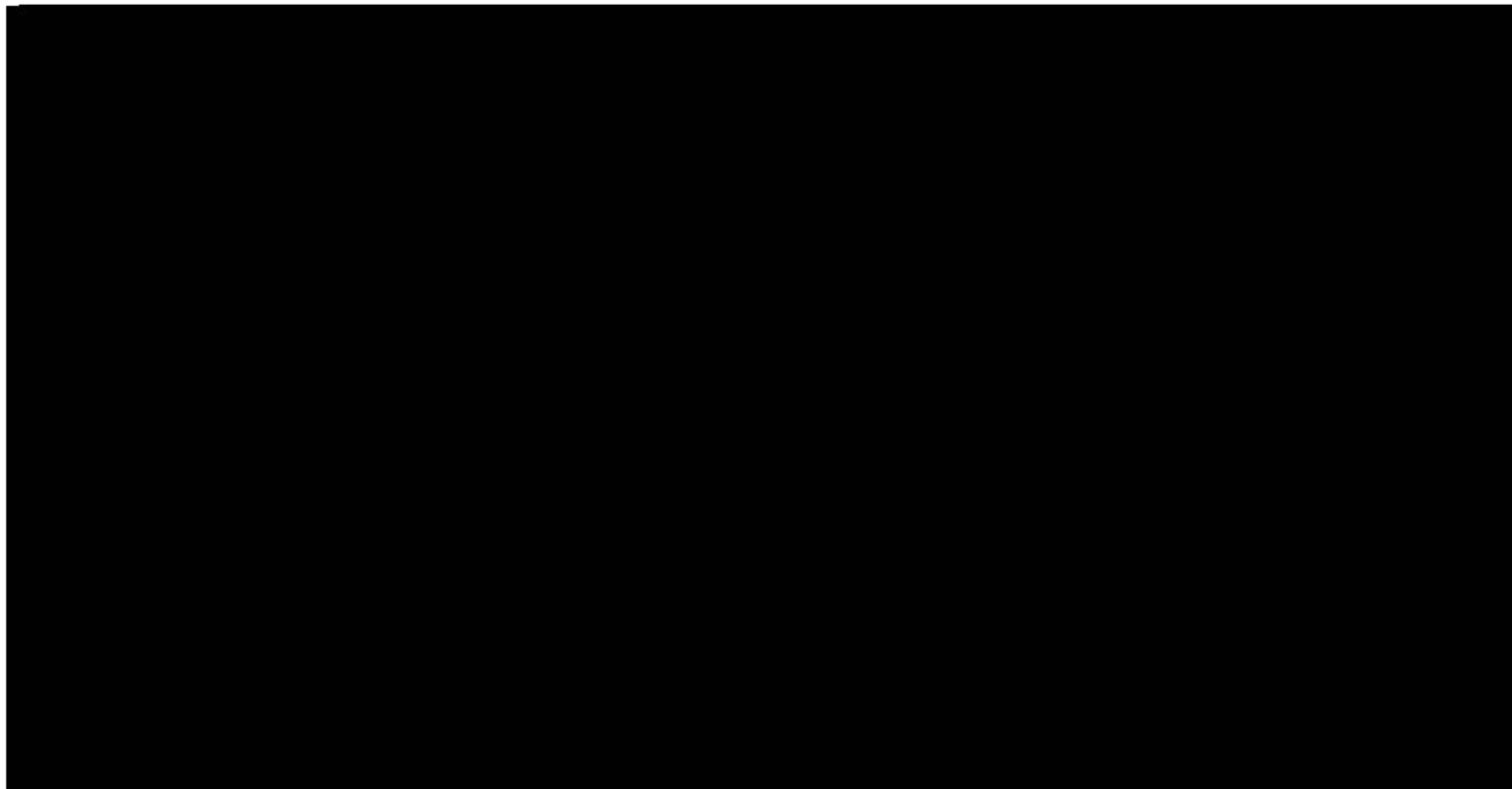


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 50

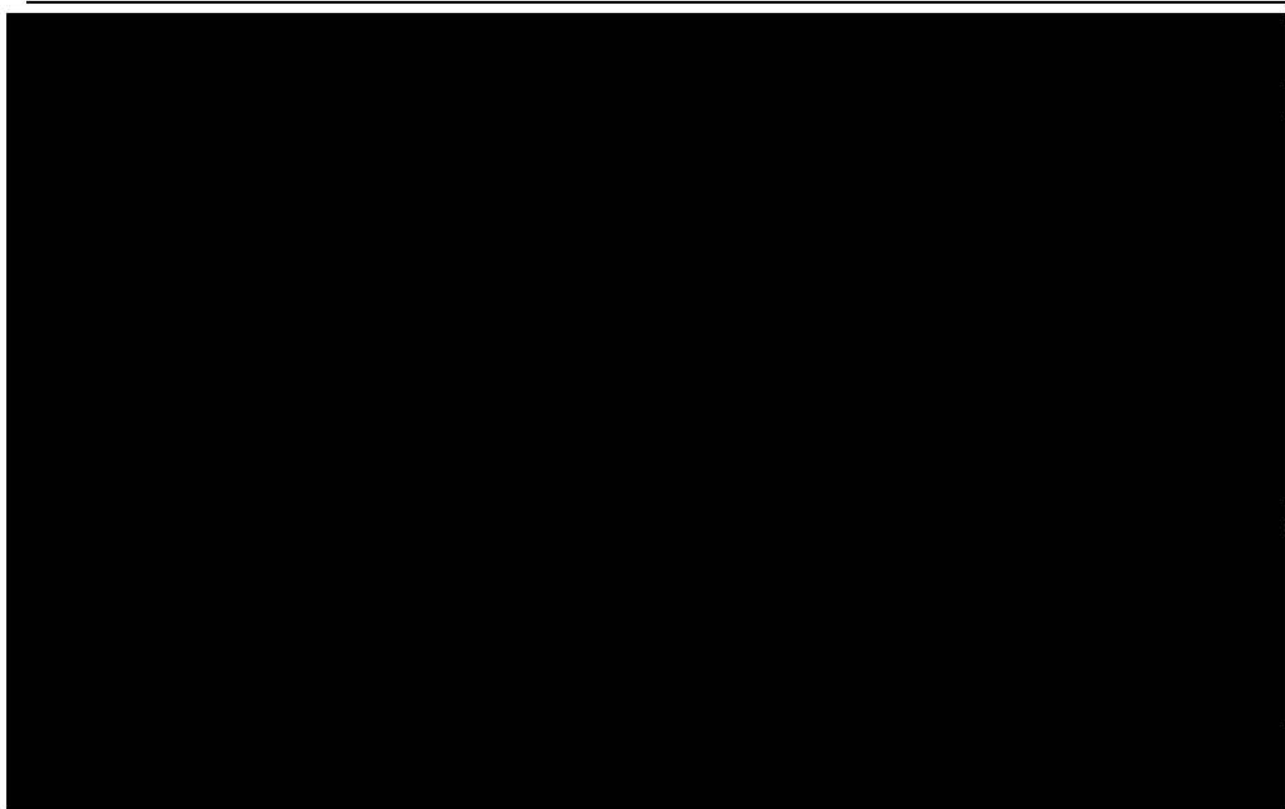


CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 51

CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434


07-Dec-2020 11:04:09

Page: 52

Provantis
Individual Foetal External Observations
20256434

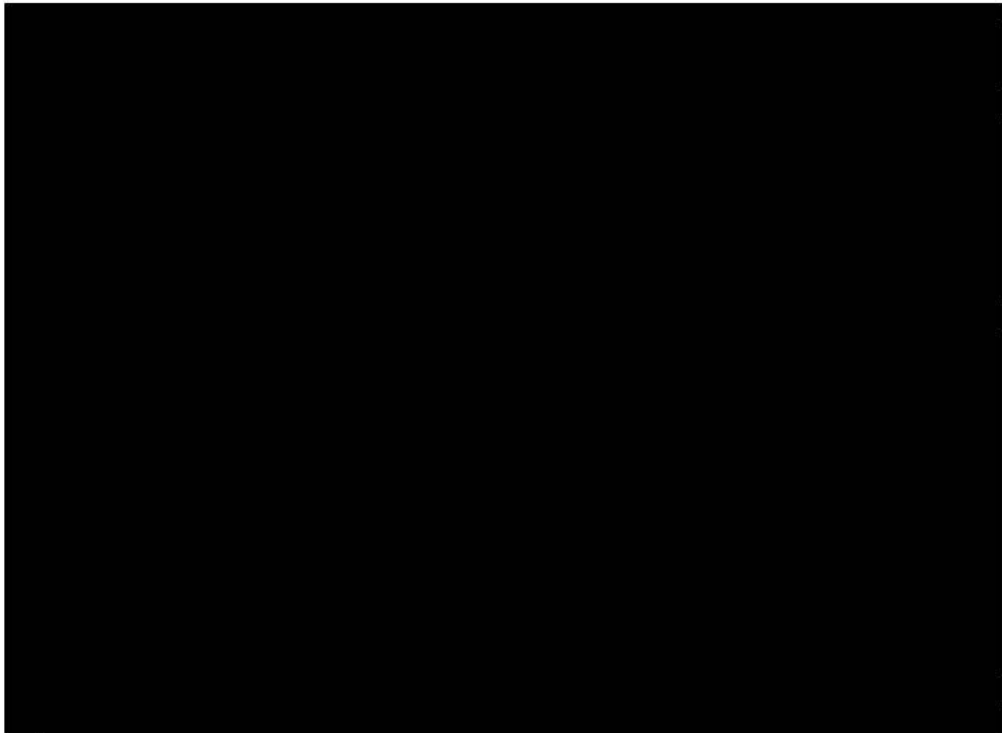
07-Dec-2020 11:04:09 Page: 53

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 54

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 55

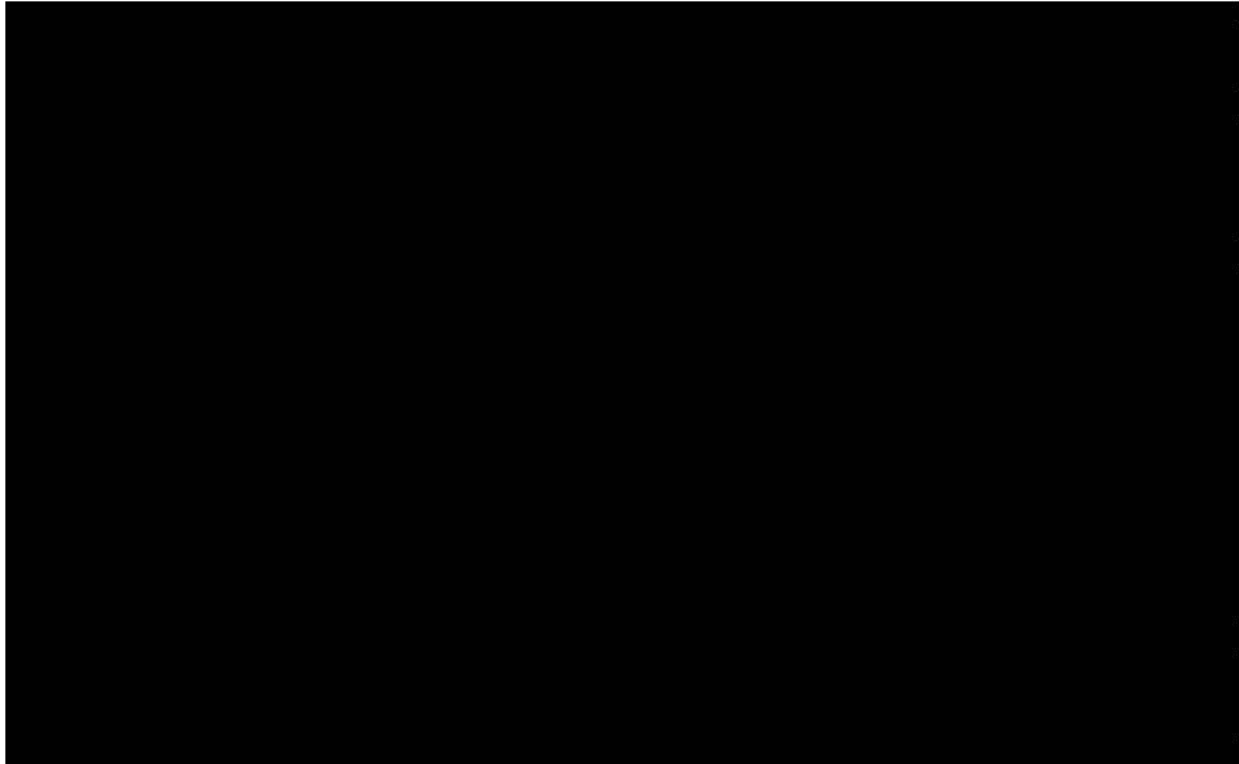
	

CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

Page: 56



Provantis

07-Dec-2020 11:04:09

Page: 57

Individual Foetal External Observations

20256434



CONFIDENTIAL

Provantis
Individual Foetal External Observations
20256434

07-Dec-2020 11:04:09

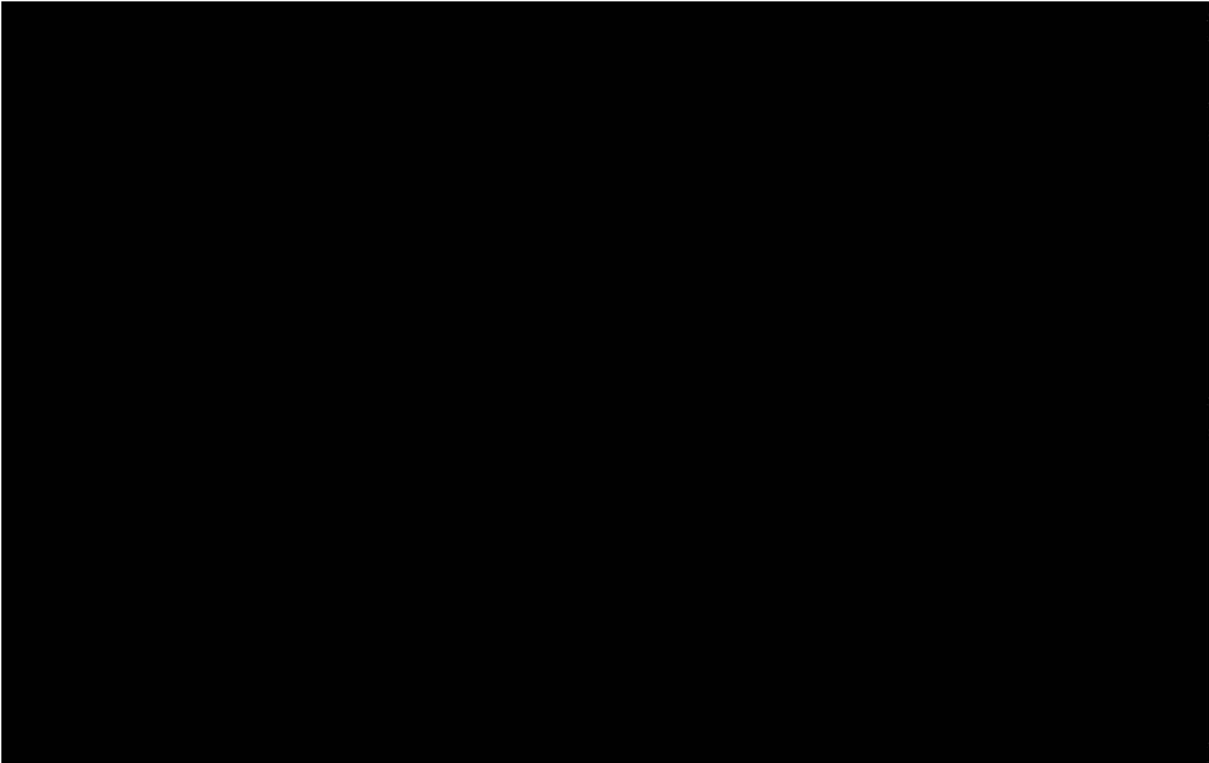
Page: 58

CONFIDENTIAL

Provantis
Individual Foetal External Observations

07-Dec-2020 11:04:09 Page: 59



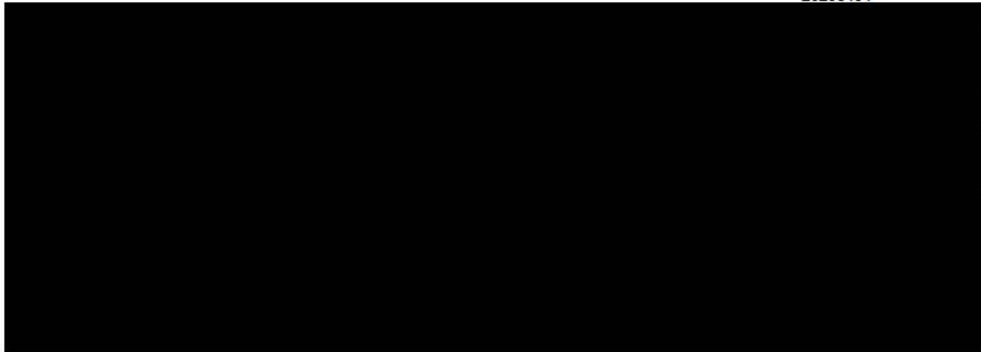
Provantis

07-Dec-2020 11:04:09

Page: 60

Individual Foetal External Observations

20256434



Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 1

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 1 Pregnancy Type: P			
1	F	4.82	
2	M	5.23	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	5.03	
5	F	5.05	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	M	5.25	
7	M	5.14	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	4.97	
11	F	5.13	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	M	4.93	
13	F	5.06	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
14	F	4.84	
Dam: 2 Pregnancy Type: P			
1	M	4.79	
2	F	4.52	.....Visceral Body (Rat), Vein Azygos vein, Transposed - (A) .....Visceral Head (Rat), No abnormalities detected
3	F	4.91	
4	F	4.39	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 2

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 2 (Continued...)			
5	F	5.02	
6	F	4.65	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	5.03	
8	M	4.70	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	4.79	
10	M	4.79	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	4.32	
12	M	4.91	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	4.05	
14	F	4.67	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
15	F	4.30	
Dam: 3 Pregnancy Type: P			
1	M	4.51	
2	M	4.93	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.75	
4	F	4.36	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	5.12	
6	M	4.76	.....Visceral Body (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33

Page: 3

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 3 (Continued...)			
7	F	5.03	.....Visceral Head (Rat), No abnormalities detected
8	F	4.80	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	4.48	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	F	4.63	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	F	4.22	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
13	F	3.36	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	M	4.64	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
15	F	4.64	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
16	M	4.90	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 4 Pregnancy Type: P			
1	M	4.81	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
2	M	4.05	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.72	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
4	F	4.45	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	4.47	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33

Page: 4

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 4 (Continued...)			
6	M	4.80	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	4.50	
8	M	5.12	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	F	3.60	
12	M	4.90	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	5.67	
14	F	3.33	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
15	F	5.39	
16	F	4.71	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 5 Pregnancy Type: P			
2	F	5.16	
3	F	4.93	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
4	F	4.84	
5	F	4.95	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	F	4.83	
7	M	5.01	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	F	5.03	

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33

Page: 5

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 5 (Continued...)			
9	F	4.96	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	F	4.97	
11	M	4.82	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	F	5.18	
13	M	5.41	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	F	4.53	
Dam: 6 Pregnancy Type: P			
1	M	3.42	
2	M	5.09	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	5.45	
4	M	5.58	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	5.64	
6	F	5.61	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	5.61	
8	F	4.46	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	M	5.89	
10	F	5.39	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33

Page: 6

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 7 Pregnancy Type: P			
1	F	5.23	
2	M	5.04	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.76	
4	F	4.85	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	5.14	
6	M	5.12	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	4.84	
8	F	4.95	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	M	5.44	
10	F	5.33	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	5.50	
12	M	5.32	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	5.13	
14	F	4.59	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 8 Pregnancy Type: P			
1	M	4.66	
2	M	4.87	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33

Page: 7

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 8 (Continued...)			
4	F	4.97	
5	F	5.11	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	4.43	
8	M	5.48	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	5.12	
11	F	4.96	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	M	5.20	
15	F	4.91	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
16	M	5.53	
17	F	4.64	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 9 Pregnancy Type: P			
1	F	4.75	
2	M	4.92	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.39	
4	M	5.25	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	5.24	
6	M	5.42	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 8

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 9 (Continued...)			
7	M	5.48	
8	M	5.28	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	M	5.07	
10	M	4.69	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	5.27	
12	F	4.74	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V)
13	F	5.36	.....Visceral Head (Rat), No abnormalities detected
Dam: 10 Pregnancy Type: P			
1	M	5.27	
2	M	5.14	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	5.45	
4	M	5.43	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	M	5.74	
7	M	5.65	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	M	5.26	
9	M	5.15	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	M	5.08	

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 9

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 10 (Continued...)			
11	F	5.16	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	F	4.89	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 11 Pregnancy Type: P			
1	M	4.88	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
2	M	4.89	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.29	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
4	F	4.96	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	5.27	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	F	4.88	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
7	M	5.44	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	F	5.27	.....Visceral Body (Rat), Liver Liver, Abnormal lobation - (A), [pale, right median lobe] .....Visceral Head (Rat), No abnormalities detected
9	M	5.12	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	F	5.08	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	F	5.29	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	M	5.45	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 10

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 12 Pregnancy Type: P			
1	F	4.95	
2	M	5.12	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	4.78	
5	M	5.25	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
6	F	4.51	
7	F	4.77	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	M	4.97	
9	M	4.93	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	F	4.87	
11	M	5.01	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
12	F	5.01	
13	M	5.08	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	F	4.39	
Dam: 13 Pregnancy Type: P			
1	F	4.29	
2	F	4.40	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 11

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 13 (Continued...)			
3	M	4.09	
4	M	3.80	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	4.75	
6	M	5.01	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	M	4.85	
9	F	4.81	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	M	4.62	
11	F	4.43	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	M	4.21	
13	M	5.03	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	F	5.10	
15	F	4.66	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 14 Pregnancy Type: P			
1	M	5.06	
2	F	4.55	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	5.15	
4	M	5.09	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 12

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 14 (Continued...)			
5	F	4.54	
7	M	4.25	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	M	4.93	
9	F	4.54	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	F	4.92	
11	M	4.80	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	F	4.44	
13	F	4.69	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	F	4.30	
Dam: 15 Pregnancy Type: P			
1	M	5.17	
2	F	4.70	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	5.18	
4	F	5.06	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	5.16	
6	M	5.22	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	5.00	
9!	M	5.30	.....Visceral Body (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 13

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 15 (Continued...)			
10	M	5.09	.....Visceral Head (Rat), No abnormalities detected
11	F	5.14	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	M	4.91	.....Visceral Head (Rat), No abnormalities detected
13	F	4.87	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	M	4.73	.....Visceral Head (Rat), No abnormalities detected
Dam: 16 Pregnancy Type: P			
1	M	4.74	.....Visceral Body (Rat), No abnormalities detected
2	M	4.84	.....Visceral Head (Rat), No abnormalities detected
3	M	4.86	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
4	F	4.69	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	4.74	.....Visceral Body (Rat), No abnormalities detected
6	F	4.53	.....Visceral Head (Rat), No abnormalities detected
7	F	4.84	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	F	4.92	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	4.97	.....Visceral Body (Rat), No abnormalities detected
10	F	4.42	.....Visceral Head (Rat), No abnormalities detected
11	F	4.61	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 14

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 16 (Continued...)			
12	F	4.10	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	F	3.91	
Dam: 17 Pregnancy Type: P			
1	M	4.92	
2	M	4.10	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.67	
4	F	4.50	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	M	5.49	
7	M	5.08	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	M	4.78	
9	F	4.80	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	M	4.56	
11	F	4.76	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	F	4.25	
13	F	4.84	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	F	4.37	
15	F	4.29	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 15

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 17 (Continued...)			
16	F	4.10	
Dam: 18 Pregnancy Type: P			
1	F	4.87	
2	M	5.08	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	5.12	
4	F	5.09	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	5.13	
6	F	5.18	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	5.04	
8	F	5.19	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	5.07	
10	F	4.83	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	5.80	
12	F	5.17	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	5.21	
14	M	4.50	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 16

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 19 Pregnancy Type: P			
1	M	5.36	
2	M	5.26	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
4	M	5.38	
5	F	5.01	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	F	5.02	
7	F	4.68	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	F	4.10	
9	F	5.14	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	F	5.30	
11	F	5.27	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	F	4.77	
13	M	4.90	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 20 Pregnancy Type: NPE			
Dam: 21 Pregnancy Type: P			
1	M	4.80	
2	F	4.18	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 17

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 21 (Continued...)			
3	F	3.84	
4	M	4.75	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	4.75	
6	M	5.07	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	4.57	
8	M	4.66	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	4.49	
10	F	4.61	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	F	4.57	
12	F	4.51	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	4.82	
14	F	4.66	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
15	M	4.93	
16	M	4.96	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
Dam: 22 Pregnancy Type: P			
2	F	4.46	
3	F	5.04	.....Visceral Body (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 18

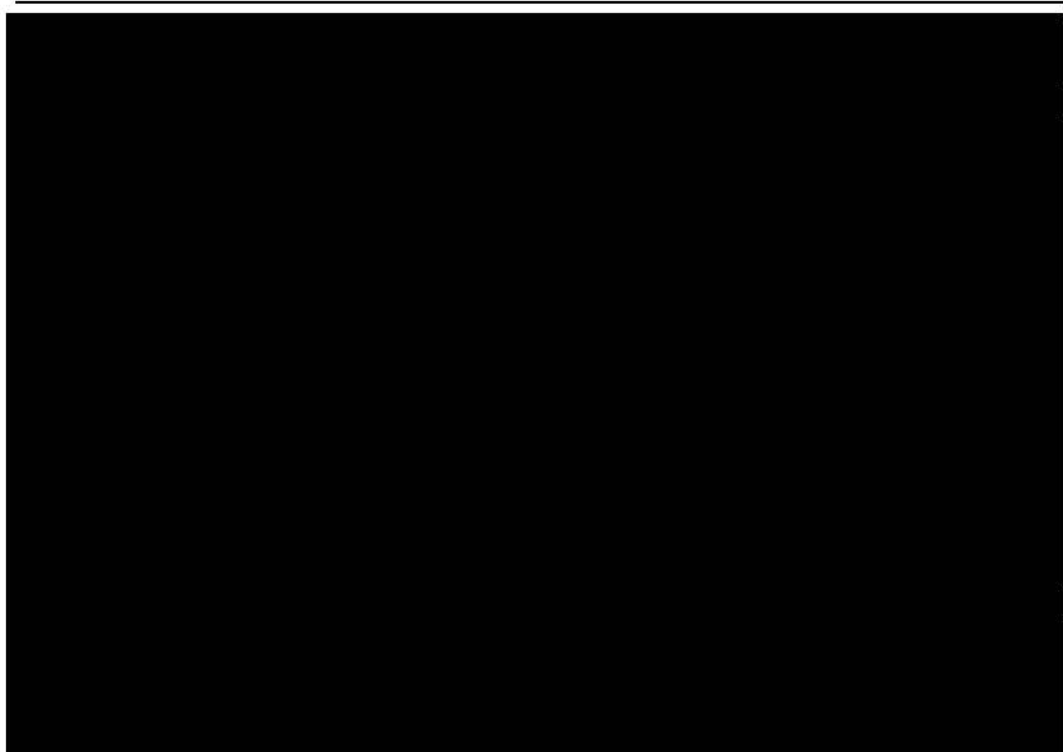
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Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 22 (Continued...)			
4	F	4.81Visceral Head (Rat), No abnormalities detected
5	F	4.65	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	F	4.72	.....Visceral Head (Rat), No abnormalities detected
7	F	4.85	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	M	4.87	.....Visceral Head (Rat), No abnormalities detected
9	M	5.04	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	M	5.30	.....Visceral Head (Rat), No abnormalities detected
11	F	4.79	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	F	4.53	.....Visceral Head (Rat), No abnormalities detected
13	M	4.83	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	M	4.32	.....Visceral Head (Rat), No abnormalities detected

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 19

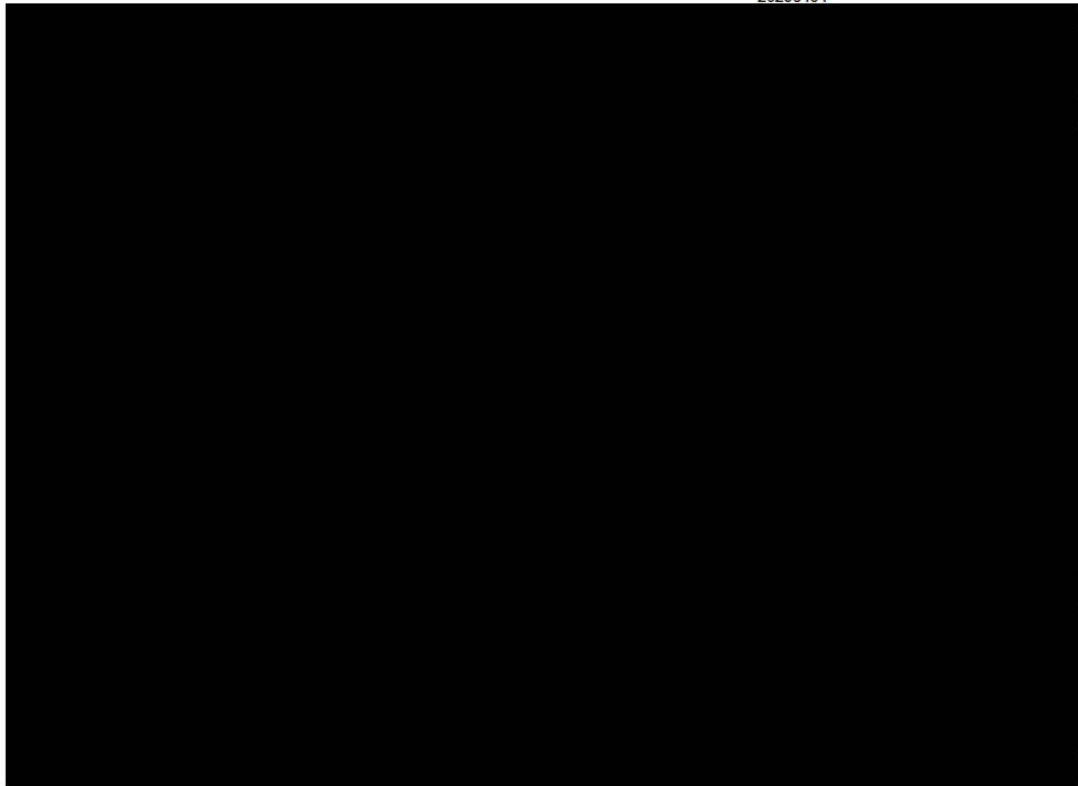
	

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 20



Provantis

07-Dec-2020 11:04:33

Page: 21

Individual Foetal Visceral Observations

20256434

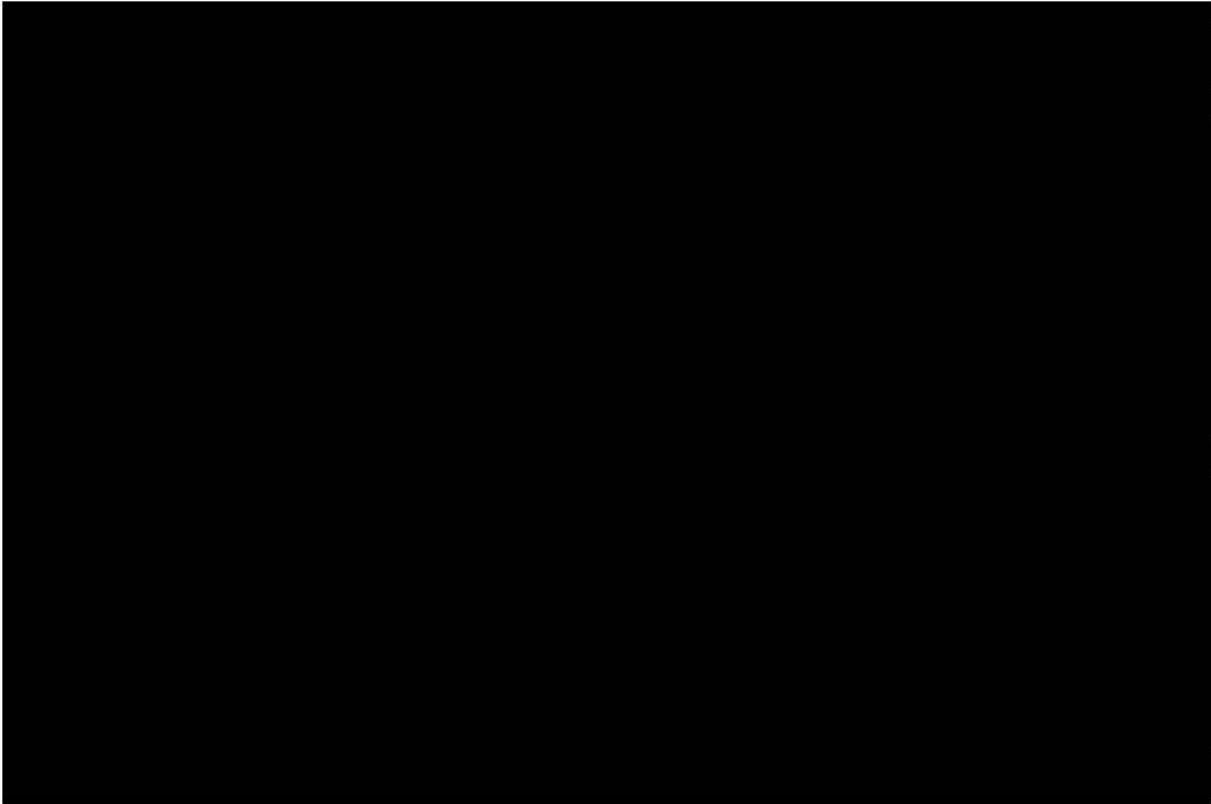


CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

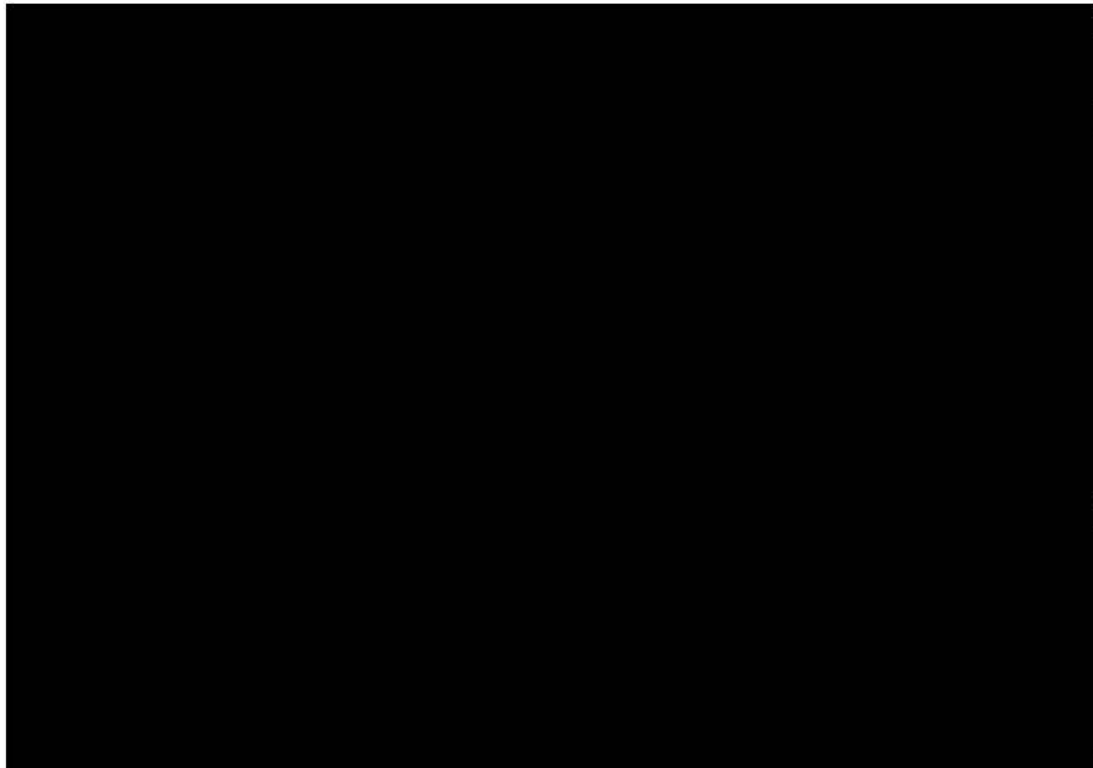
Page: 22



CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations

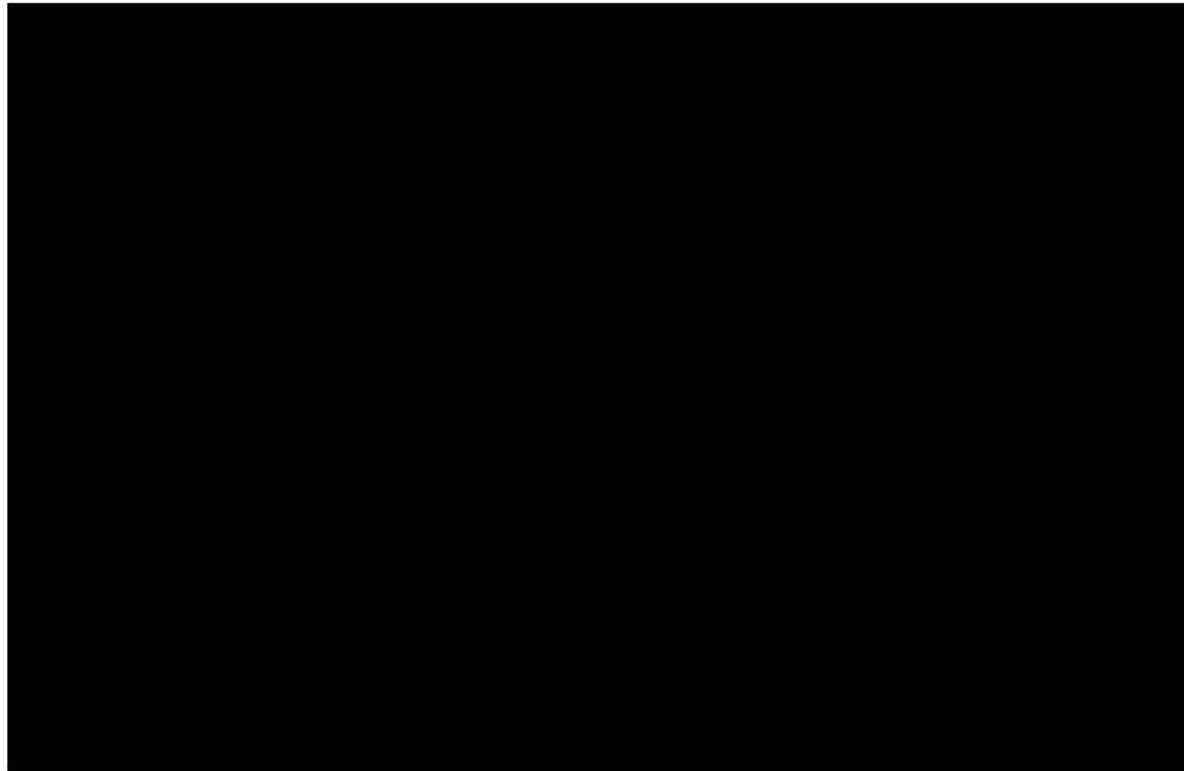
07-Dec-2020 11:04:33 Page: 23



Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 24

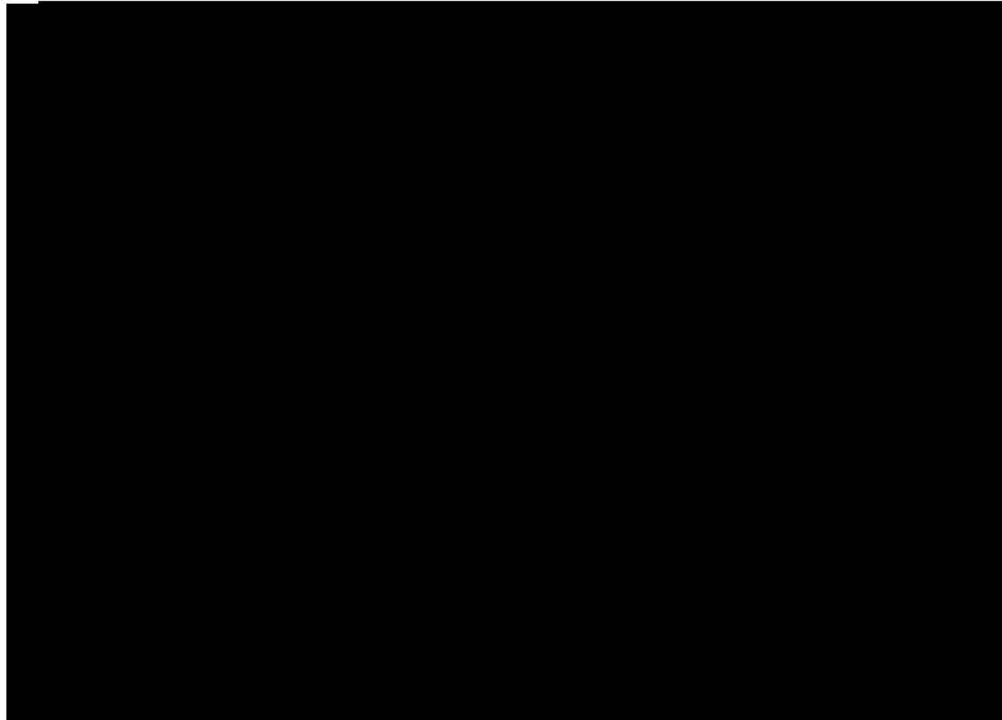
	

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 25

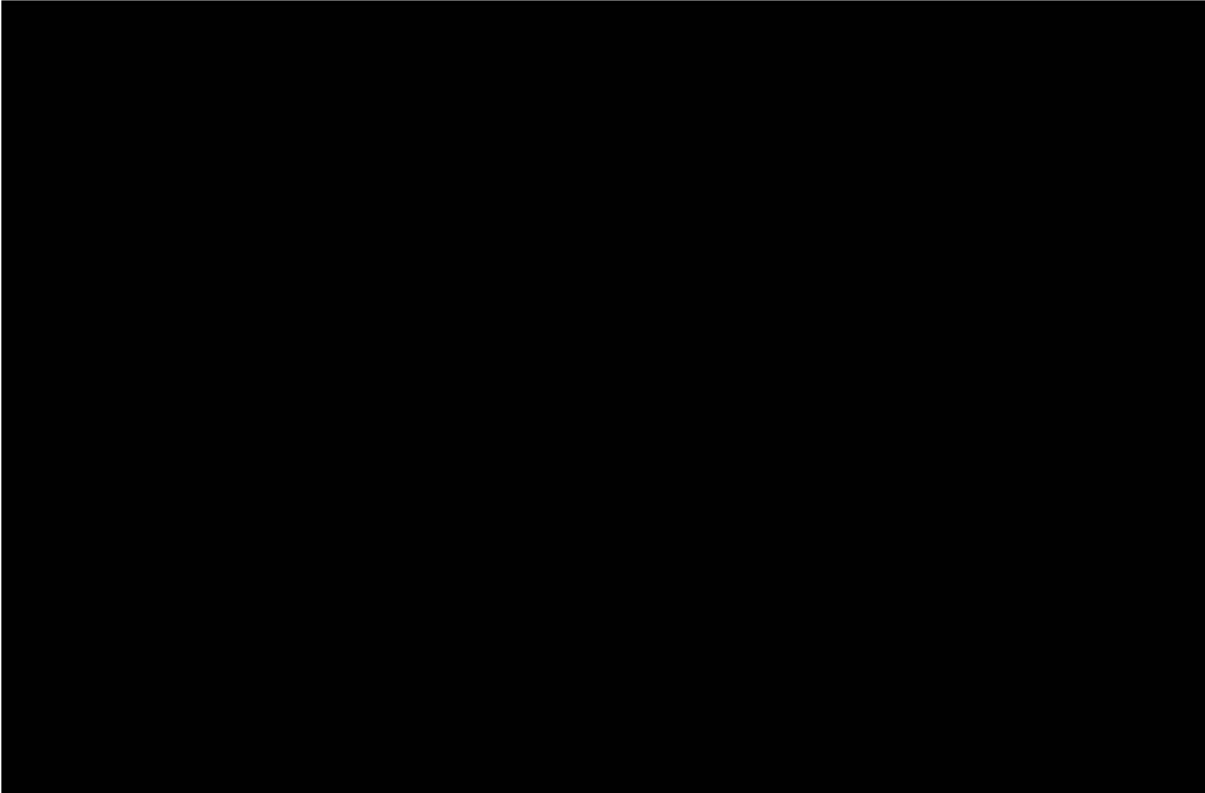
Provantis

07-Dec-2020 11:04:33

Page: 26

Individual Foetal Visceral Observations

20256434

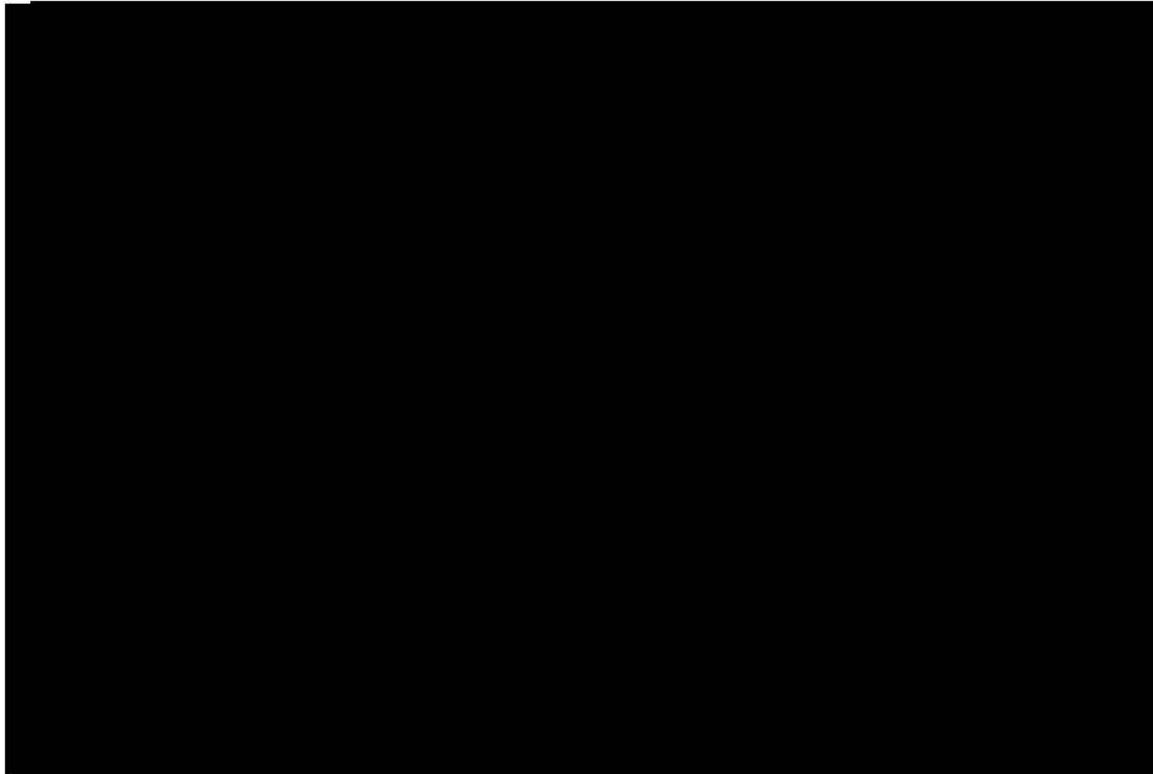


CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

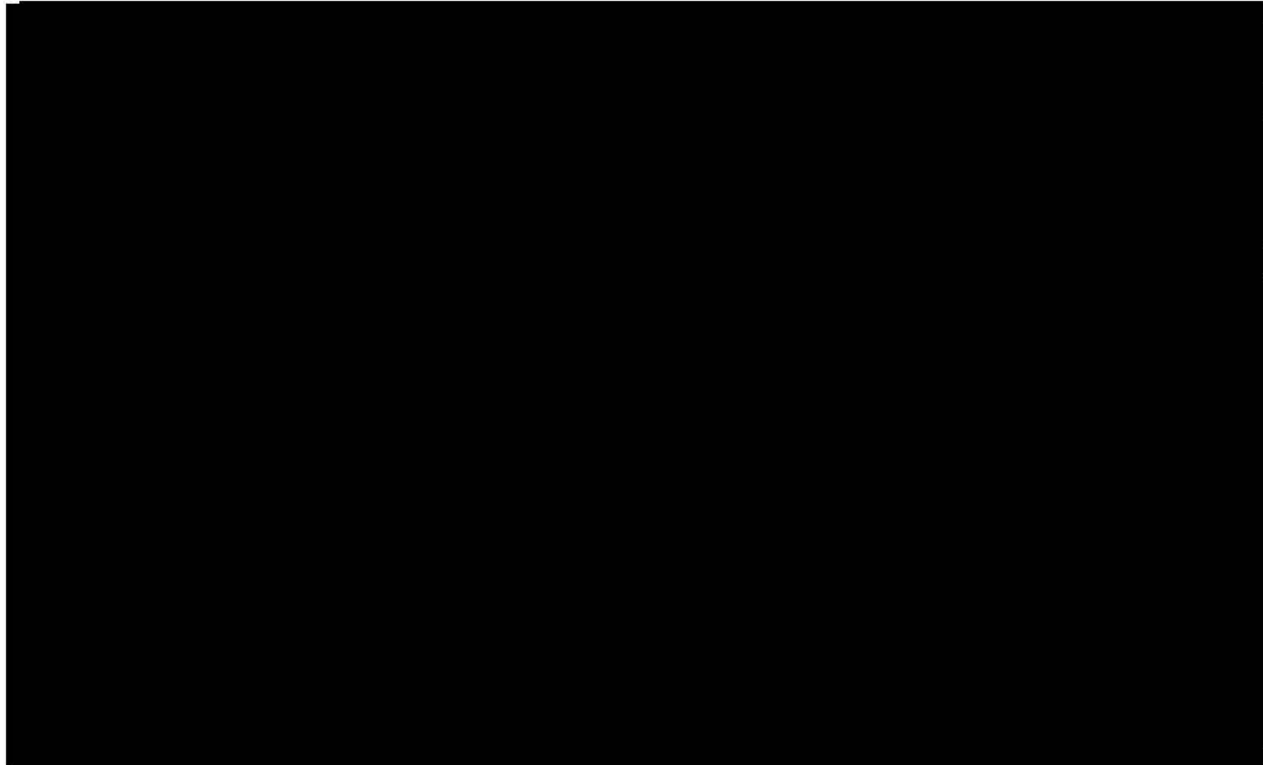
Page: 27

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

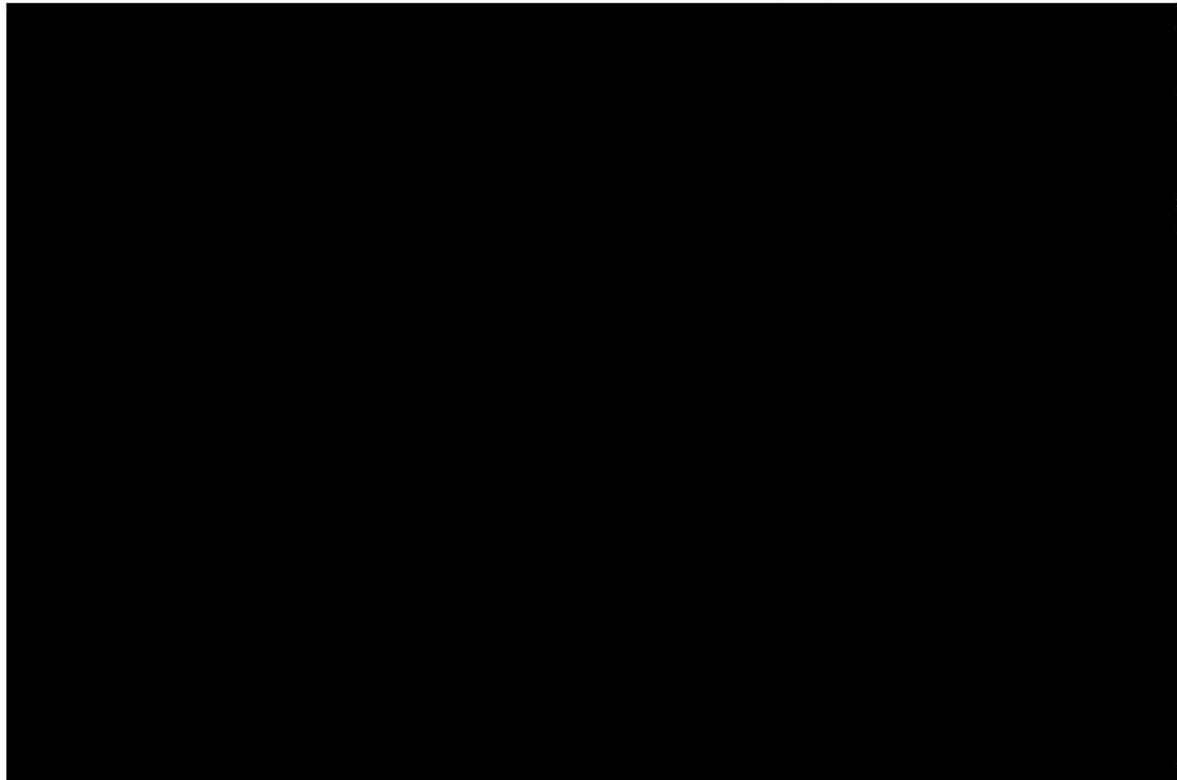
Page: 28

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 29

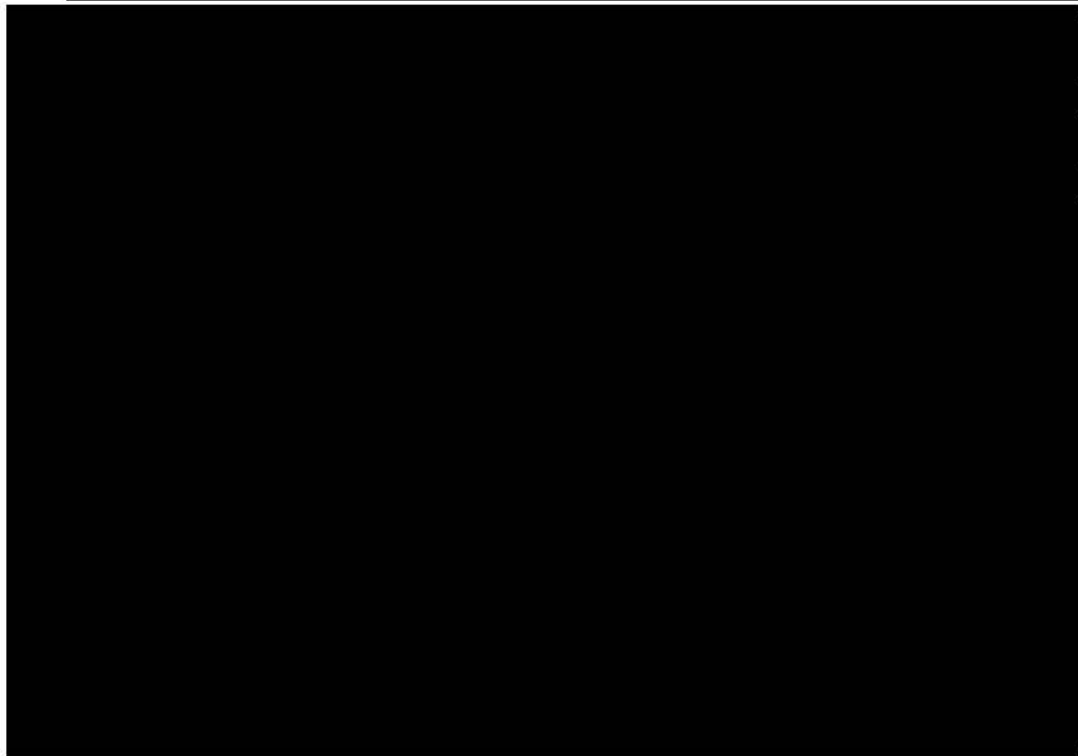


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Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

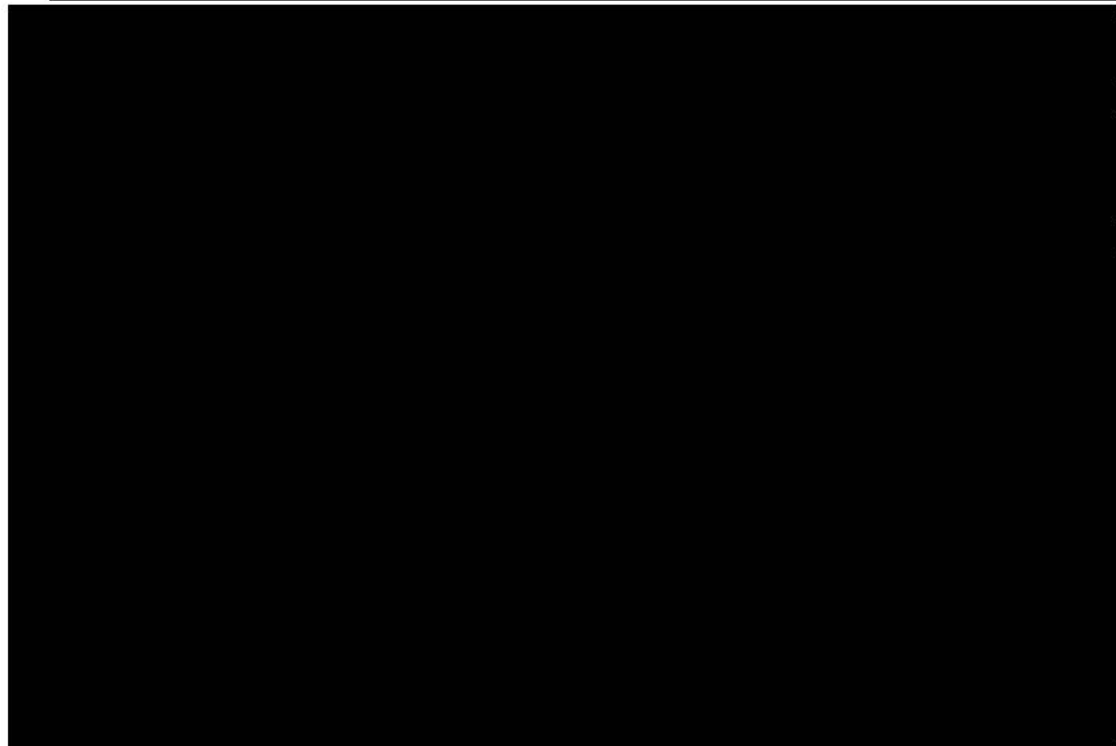
Page: 30

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 31

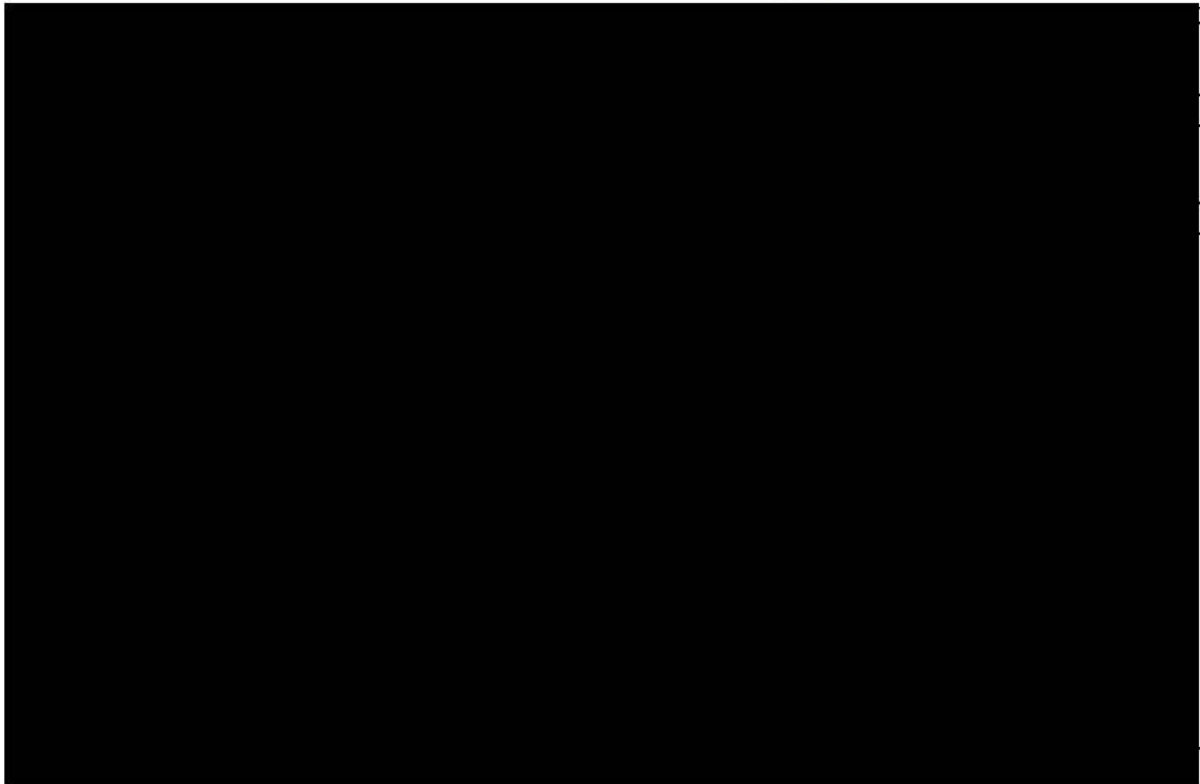
	

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Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

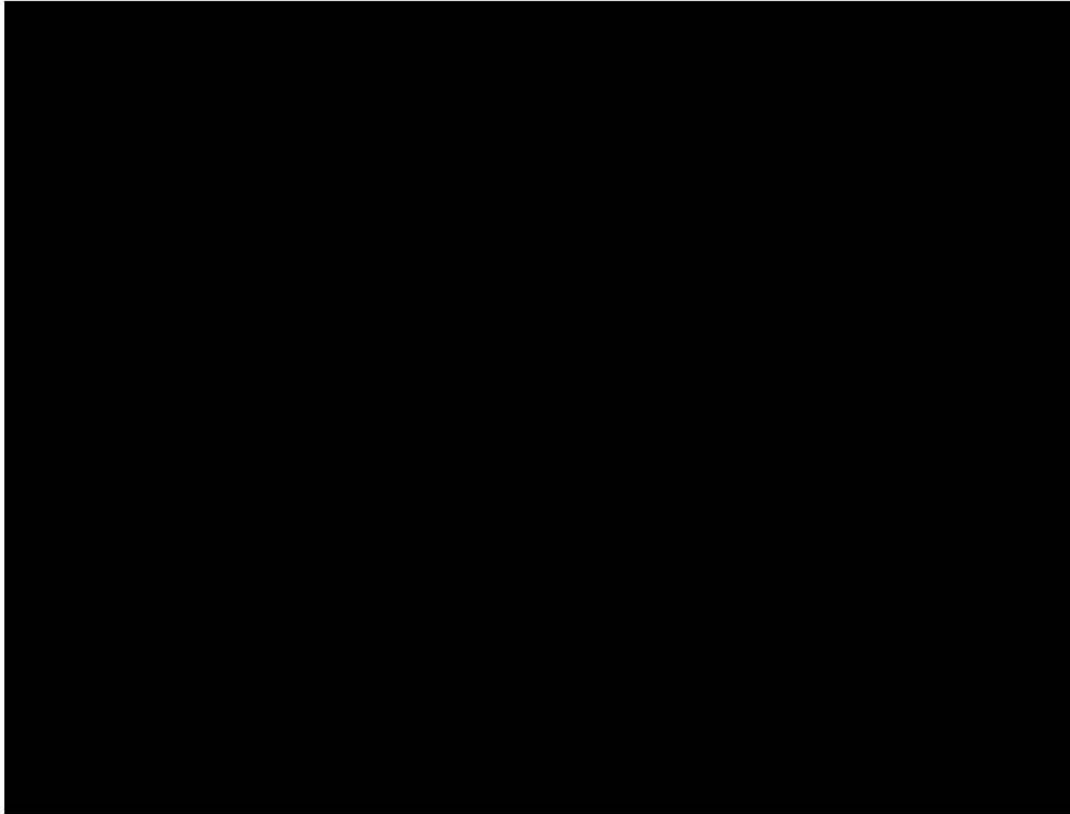
Page: 32



Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

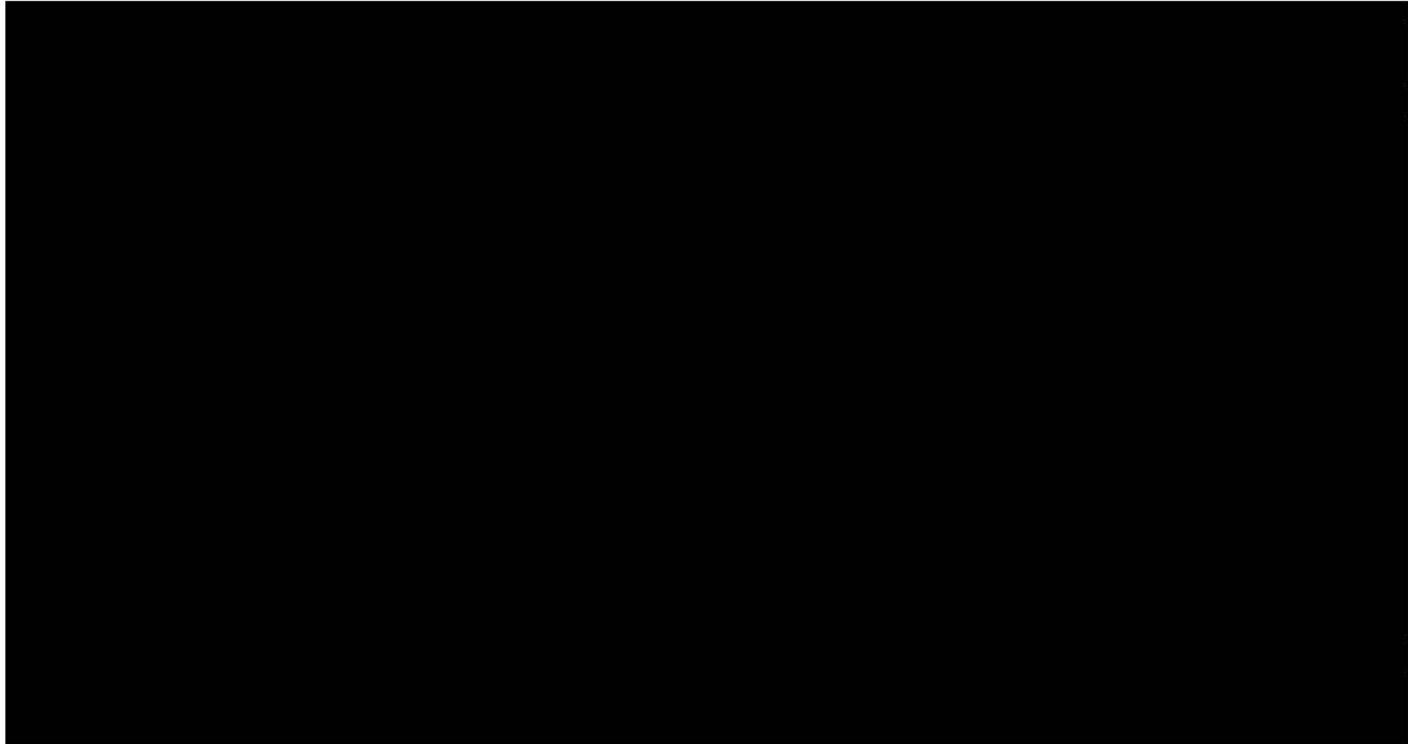
Page: 33

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 34

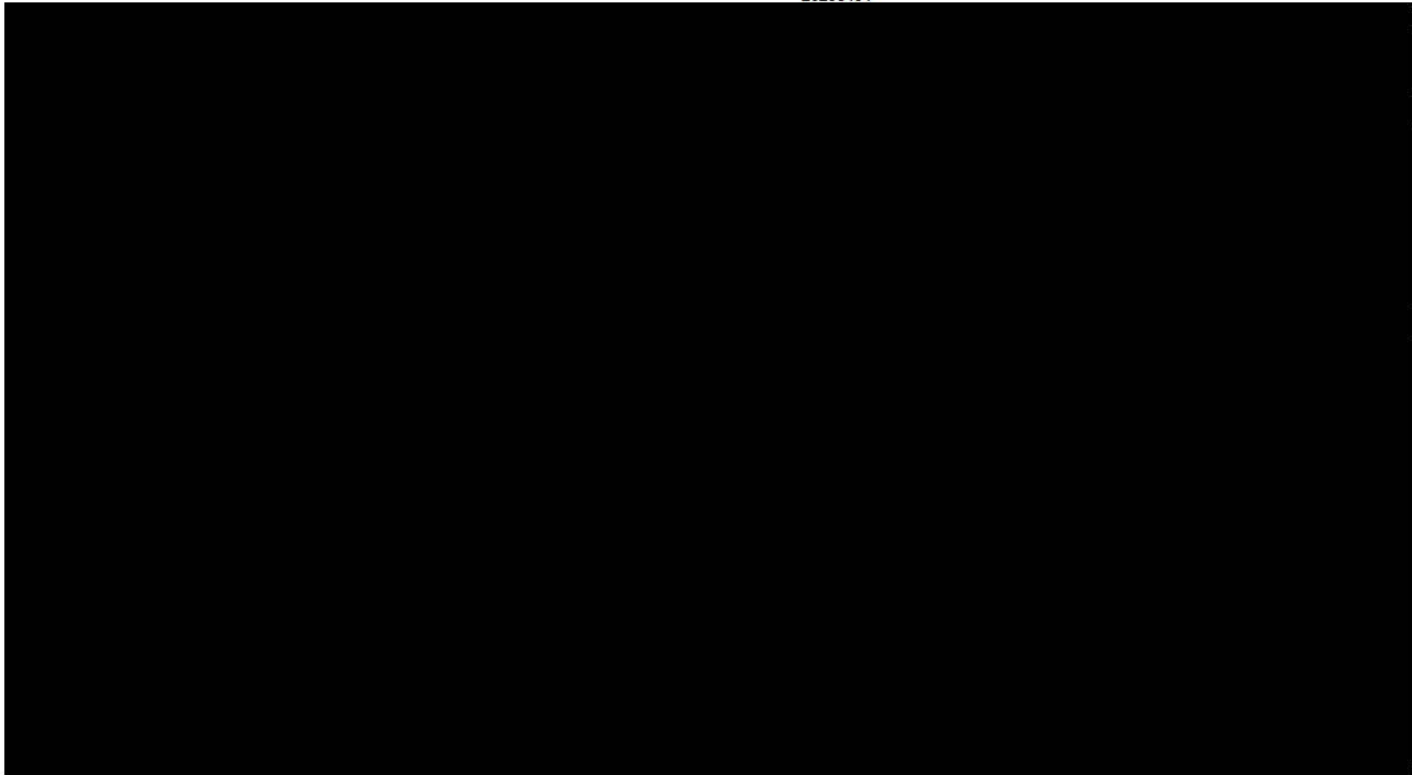
	

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Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 35

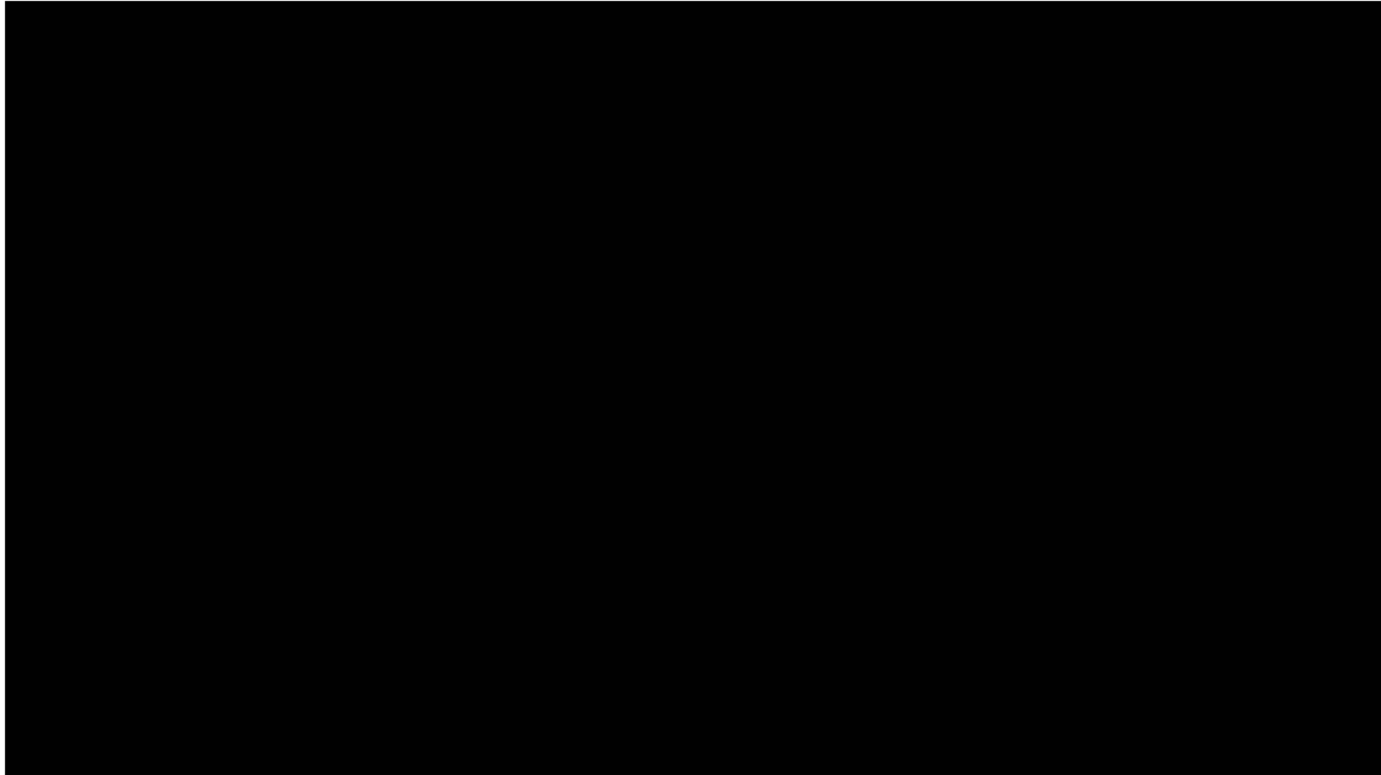
Provantis

07-Dec-2020 11:04:33

Page: 36

Individual Foetal Visceral Observations

20256434

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 37

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 38

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 45 Pregnancy Type: P			
1	F	4.30	
2	F	3.69	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.84	
4	M	4.84	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	4.90	
6	M	3.87	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	4.91	
8	M	5.13	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	5.27	
10	M	5.20	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11!	F	4.37	
12	M	4.78	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	F	5.17	
Dam: 46 Pregnancy Type: P			
1	M	4.82	
2	M	4.91	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	4.80	

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 39

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 46 (Continued...)			
4	F	4.82	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	4.57	
6	M	4.74	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	5.12	
8	M	5.15	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	5.00	
10	F	4.49	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	F	4.95	
12	M	4.85	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	5.04	
14	M	4.84	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
15	M	4.99	
16	F	4.73	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
17	M	4.85	
Dam: 47 Pregnancy Type: P			
1	F	4.84	
2	F	4.59	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 40

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 47 (Continued...)			
3	M	5.21	
4	F	4.90	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	4.93	
6	M	5.10	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7!	M	5.21	
8	M	4.67	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	4.42	
10	F	4.95	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	5.18	
12	M	5.06	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 48 Pregnancy Type: P			
1	F	5.13	
2	M	5.10	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.42	
4	M	4.68	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	4.90	
6	M	4.89	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 41

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 48 (Continued...)			
7	M	5.14	
8	F	4.90	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	4.82	
10	F	4.51	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 49 Pregnancy Type: P			
1	F	4.20	
2	M	4.73	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	4.50	
5	M	4.83	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	M	3.56	
8	M	4.93	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	M	4.49	
10	F	4.54	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	F	4.49	
13	F	4.54	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	F	4.19	
15	F	4.67	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 42

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 49 (Continued...)			
17	M	4.32	
Dam: 50 Pregnancy Type: P			
1	F	4.27	
2	M	5.05	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
3	M	4.73	
4	F	4.21	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	F	4.51	
7	M	4.64	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	M	5.16	
9	M	5.25	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	F	4.45	
Dam: 51 Pregnancy Type: P			
1	F	5.07	
2	M	5.37	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
3	M	5.56	
4	F	5.11	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 43

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 51 (Continued...)			
5	M	5.43	
6	M	5.42	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	5.18	
8	M	4.54	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	M	5.38	
10	M	4.94	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
11	F	4.69	
12	M	5.55	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	5.53	
14	F	5.33	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
15	M	5.13	
Dam: 52 Pregnancy Type: P			
1	F	5.46	
2	F	4.99	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	5.64	
4	F	5.25	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 44

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 52 (Continued...)			
6	F	5.10	
7	F	5.12	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	M	5.31	
10	F	5.21	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	F	4.96	
12	M	5.01	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	5.74	
14	M	5.45	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
15	M	5.14	
Dam: 53 Pregnancy Type: P			
1	M	4.98	
2	M	4.96	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.85	
4	M	4.49	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	4.04	
6	M	2.70	.....Visceral Body (Rat), Lung Lobe, Absent - (A), [azygos] .....Visceral Body (Rat), Major blood vessel Aortic arch, Right-sided - (M)

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 45

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 53 (Continued...)			
			Umbilical artery, Transposed - (V)
7	F	4.28	.....Visceral Head (Rat), No abnormalities detected
8	M	5.26	.....Visceral Body (Rat), No abnormalities detected
9	F	4.86	.....Visceral Head (Rat), No abnormalities detected
10	M	5.10	.....Visceral Body (Rat), No abnormalities detected
11	F	3.10	.....Visceral Head (Rat), No abnormalities detected
12	F	4.65	.....Visceral Body (Rat), No abnormalities detected
13	M	4.03	.....Visceral Head (Rat), No abnormalities detected
14	M	4.98	.....Visceral Body (Rat), No abnormalities detected
15	M	5.11	.....Visceral Head (Rat), No abnormalities detected
16	F	3.84	.....Visceral Body (Rat), No abnormalities detected
			.....Visceral Head (Rat), No abnormalities detected
Dam: 54 Pregnancy Type: P			
1	M	4.61	
2	M	5.45	.....Visceral Body (Rat), No abnormalities detected
3	M	5.08	.....Visceral Head (Rat), No abnormalities detected
4	M	5.72	.....Visceral Body (Rat), No abnormalities detected
5	F	5.59	.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 46

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 54 (Continued...)			
6	M	5.38	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	5.28	
8	F	4.92	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	M	5.46	
10	M	5.16	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	M	5.64	
13	F	5.49	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	F	4.71	
Dam: 55 Pregnancy Type: P			
1	F	5.00	
2	M	5.64	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	5.24	
4	F	5.13	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	5.36	
6	F	4.81	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	M	5.18	
9	F	4.54	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V)

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 47

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 55 (Continued...)			
10	F	5.25	.....Visceral Head (Rat), No abnormalities detected
11	F	4.96	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
12	M	5.42	.....Visceral Head (Rat), No abnormalities detected
13	F	5.03	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
14	M	5.24	.....Visceral Head (Rat), No abnormalities detected
Dam: 56 Pregnancy Type: NPE			
Dam: 57 Pregnancy Type: P			
1	M	5.01	
2	F	4.67	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.86	
4	F	4.94	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	5.15	
6	M	5.26	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	4.97	
8	M	5.45	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 48

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 57 (Continued...)			
9	F	4.76	
10	M	4.20	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	F	5.34	
12	F	5.00	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	5.39	
14	M	5.40	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
15	M	5.16	
Dam: 58 Pregnancy Type: P			
1	M	4.04	
2	M	5.05	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.69	
4	M	4.78	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
5	F	4.68	
7	M	5.00	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	F	4.77	
9	M	4.00	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	M	3.77	

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 49

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 58 (Continued...)			
11	F	4.36	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	4.83	
14	F	2.50	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
15	F	4.59	
16	M	4.79	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
Dam: 59 Pregnancy Type: P			
1	F	4.55	
2	F	4.52	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
4	F	5.02	
5	F	4.19	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	4.27	
8	M	4.61	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	M	5.04	
10	F	4.63	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	4.35	
12	F	4.66	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 50

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 59 (Continued...)			
13	F	4.54	
14	F	4.36	.....Visceral Body (Rat), No abnormalities detected
			.....Visceral Head (Rat), No abnormalities detected
15	F	4.79	
Dam: 60 Pregnancy Type: P			
1	F	4.99	
2	M	5.18	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V)
			.....Visceral Head (Rat), No abnormalities detected
3	F	5.00	
4	M	5.94	.....Visceral Body (Rat), No abnormalities detected
			.....Visceral Head (Rat), No abnormalities detected
5!	M	5.22	
6	F	4.99	.....Visceral Body (Rat), No abnormalities detected
			.....Visceral Head (Rat), No abnormalities detected
7	M	4.93	
8	M	5.25	.....Visceral Body (Rat), No abnormalities detected
			.....Visceral Head (Rat), No abnormalities detected
9	M	5.30	
10	F	4.80	.....Visceral Body (Rat), No abnormalities detected
			.....Visceral Head (Rat), No abnormalities detected
11	M	5.41	
12	F	5.04	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V)
			.....Visceral Head (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 51

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 61 Pregnancy Type: P			
1	F	5.00	
2	M	5.13	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	5.34	
4	F	5.07	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	5.49	
6	F	5.07	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	5.24	
8	F	5.09	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	M	5.37	
10	M	5.34	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	F	5.02	
12	M	5.63	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	F	5.07	
Dam: 62 Pregnancy Type: P			
1 !	F	4.66	
2	M	5.24	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	5.10	

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 52

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 62 (Continued...)			
4	F	4.88	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	4.75	
6	F	4.44	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	4.71	
8	M	4.60	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
9	F	4.71	
10	M	4.73	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	4.91	
12	M	4.84	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	5.11	
14	F	4.88	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 63 Pregnancy Type: P			
1	F	4.47	
2	F	4.48	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	M	4.55	
4	F	4.87	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 53

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 63 (Continued...)			
5	M	4.64	
6	M	5.37	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	4.80	
8	F	4.71	.....Visceral Body (Rat), Major blood vessel Umbilical artery, Transposed - (V) .....Visceral Head (Rat), No abnormalities detected
9	F	4.51	
10	M	4.51	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	5.00	
12	F	2.79	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
Dam: 64 Pregnancy Type: P			
1	F	4.89	
2	F	4.96	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.84	
4	M	5.29	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	5.19	
6	M	4.65	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	4.70	
8	F	4.89	.....Visceral Body (Rat), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 54

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 64 (Continued...)			
9	F	5.03	.....Visceral Head (Rat), No abnormalities detected
10	M	5.23	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
13	M	4.84	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
14	F	3.95	.....Visceral Head (Rat), No abnormalities detected
Dam: 65 Pregnancy Type: P			
1	F	4.64	
2	M	5.21	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
3	F	4.81	
4	F	4.80	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	M	5.12	
6	F	4.55	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	F	4.69	
8	F	5.17	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	4.68	
10	M	4.83	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	5.26	
12	M	5.31	.....Visceral Body (Rat), No abnormalities detected

Provantis
 Individual Foetal Visceral Observations

07-Dec-2020 11:04:33 Page: 55

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 65 (Continued...)			
13	F	4.83	.....Visceral Head (Rat), No abnormalities detected
14	M	5.12	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
15	M	5.26	.....Visceral Head (Rat), No abnormalities detected
16	F	4.82	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
17	M	4.68	.....Visceral Head (Rat), No abnormalities detected
Dam: 66 Pregnancy Type: P			
1	F	5.18	.....Visceral Body (Rat), No abnormalities detected
2	F	5.62	.....Visceral Head (Rat), No abnormalities detected
4	F	5.49	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
5	F	5.38	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
6	M	5.04	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
7	M	5.75	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
8	F	4.96	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
9	F	5.80	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
10	M	5.96	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected
11	M	5.39	.....Visceral Body (Rat), No abnormalities detected.....Visceral Head (Rat), No abnormalities detected

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 56

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 57

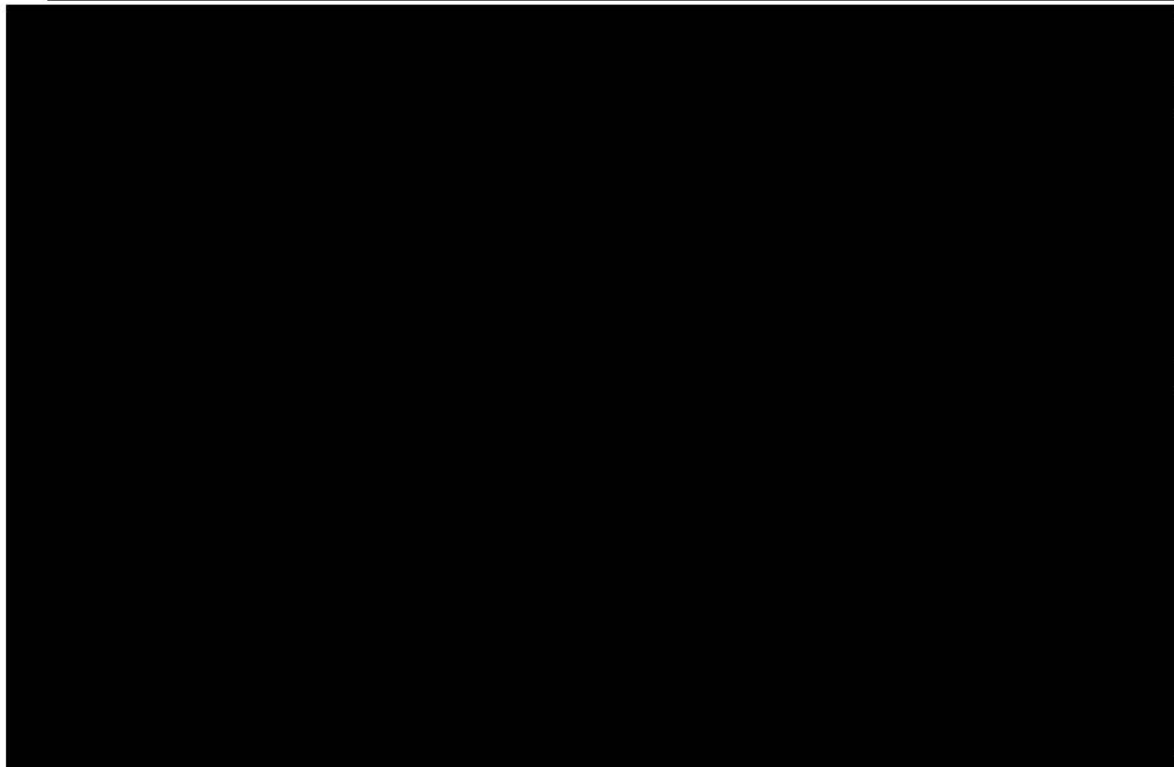
	

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 58

CONFIDENTIAL

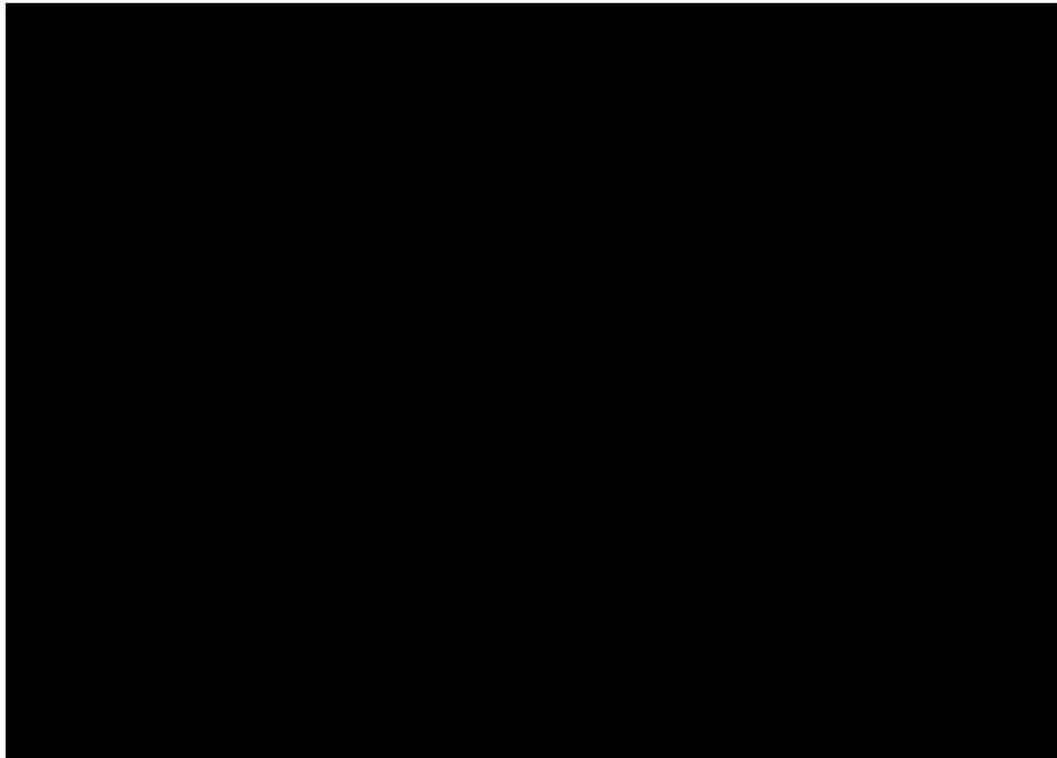
Provantis

07-Dec-2020 11:04:33

Page: 59

Individual Foetal Visceral Observations

20256434

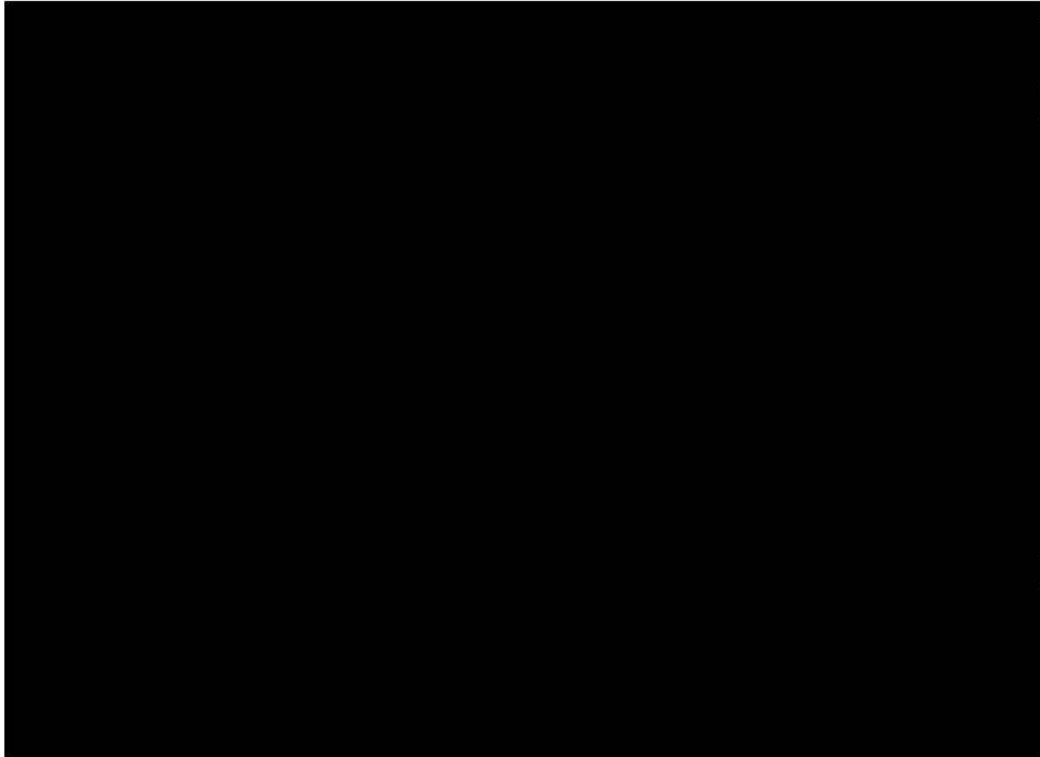
	

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Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

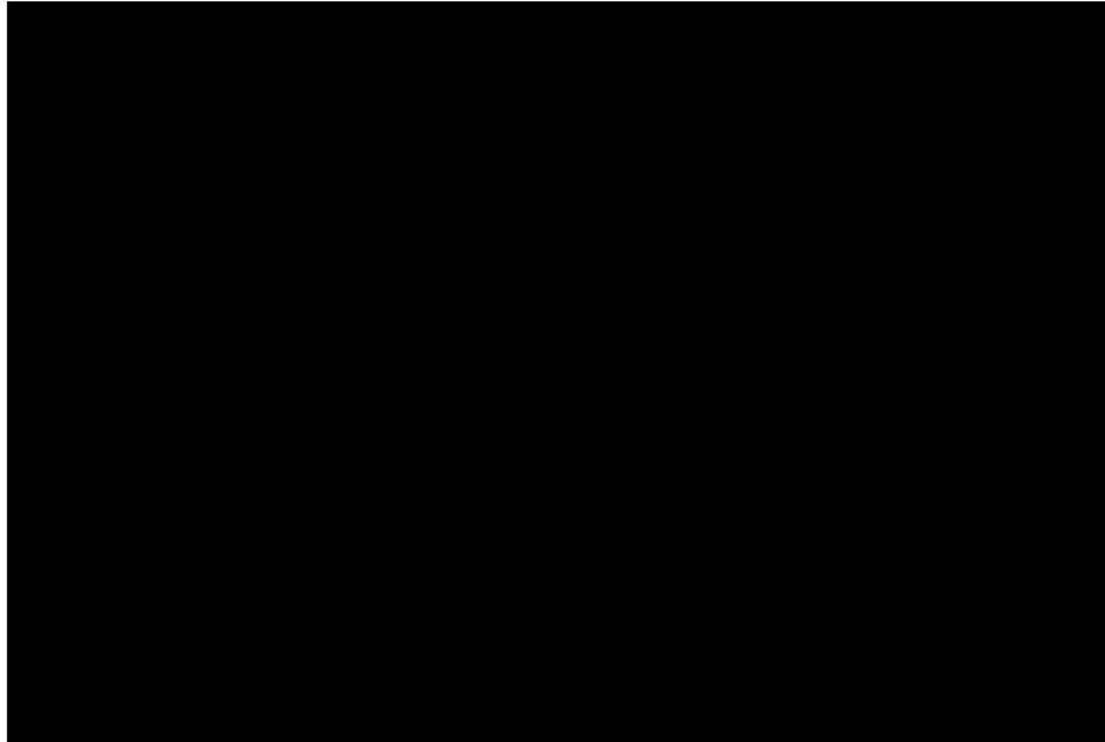
Page: 60



Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

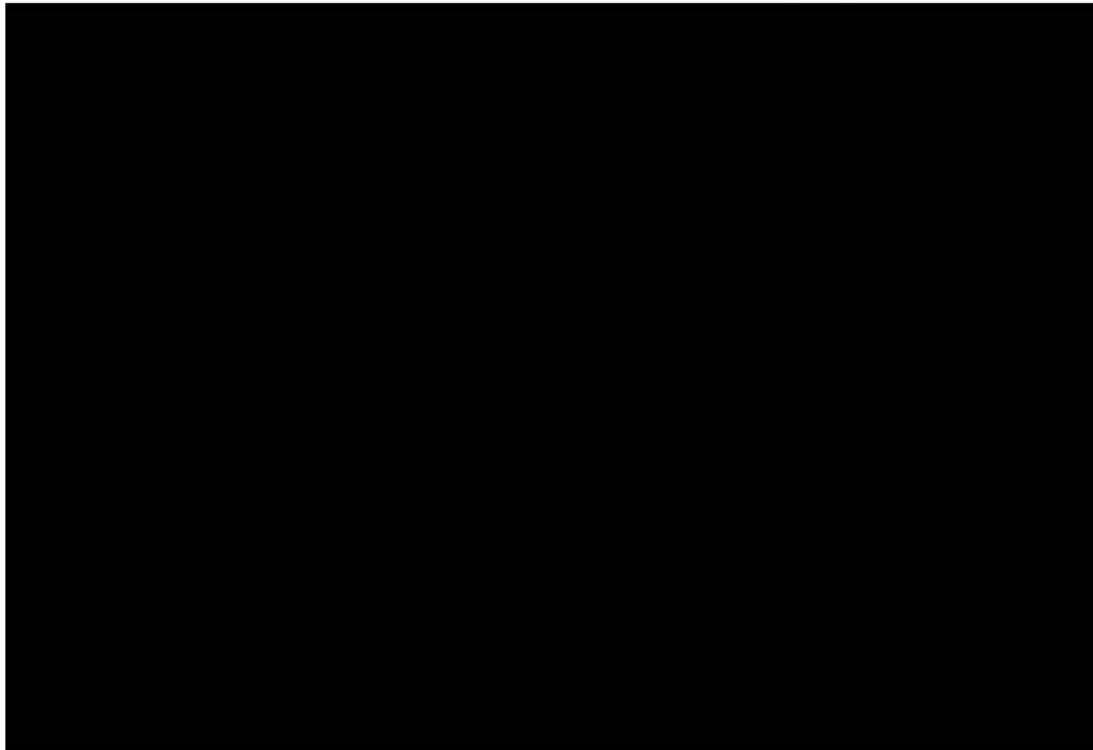
Page: 61

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 62

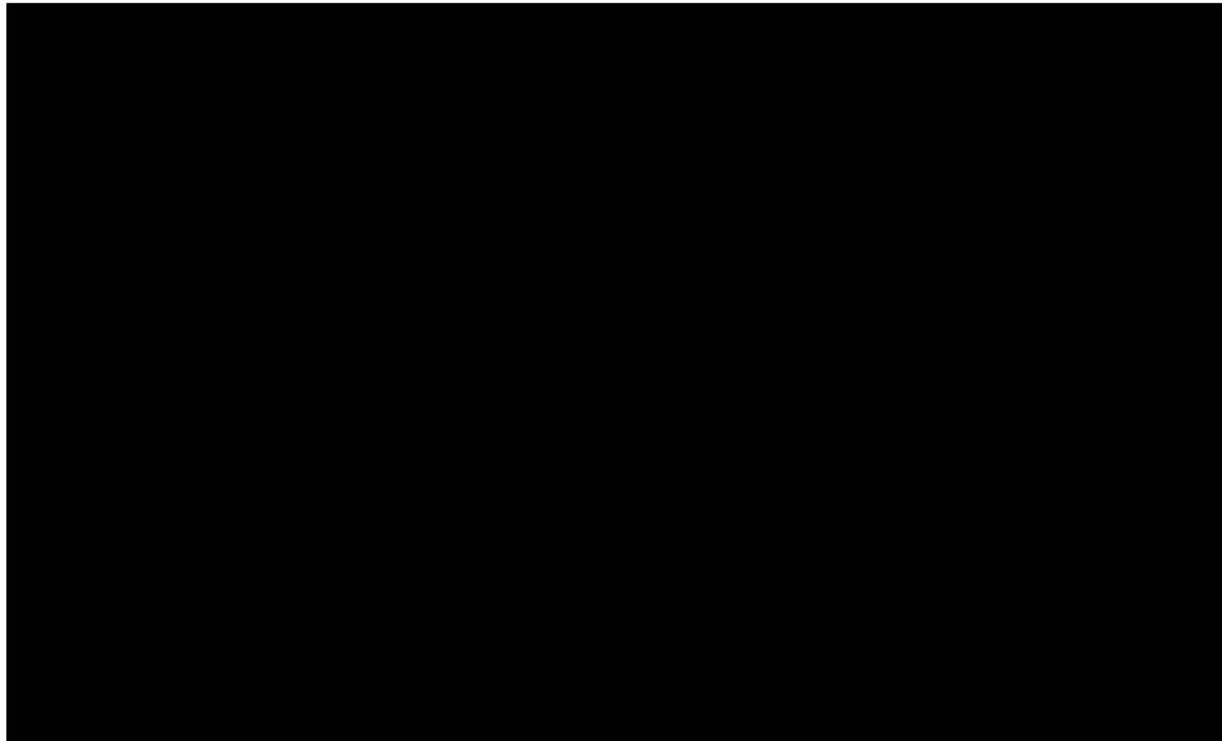


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Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 63

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 64

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

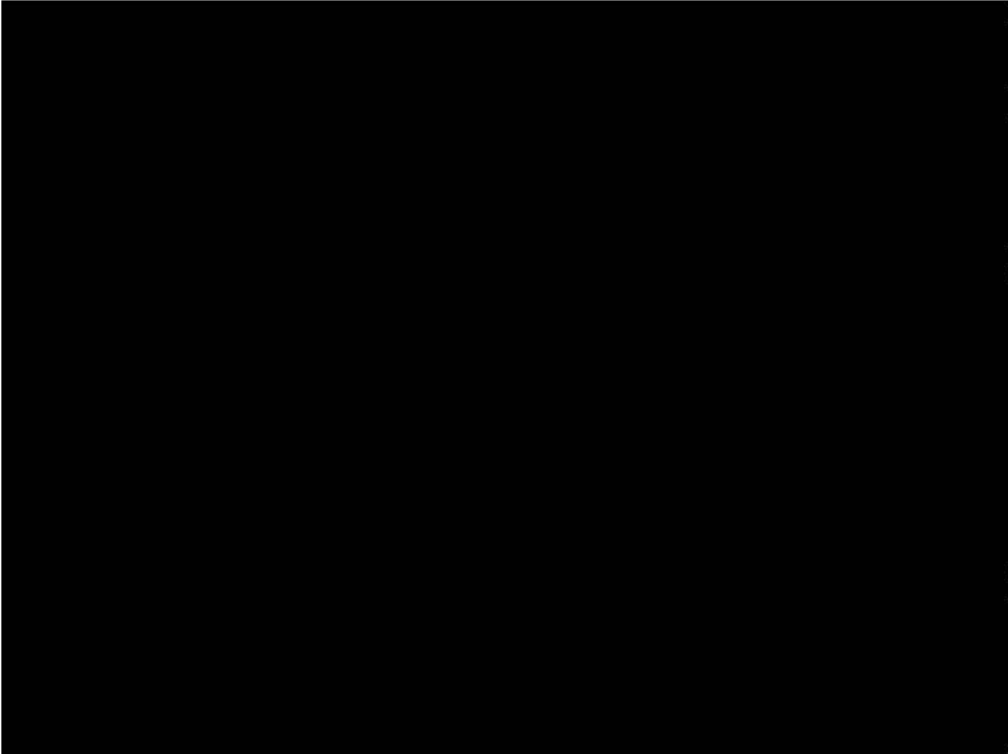
Page: 65



Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 66

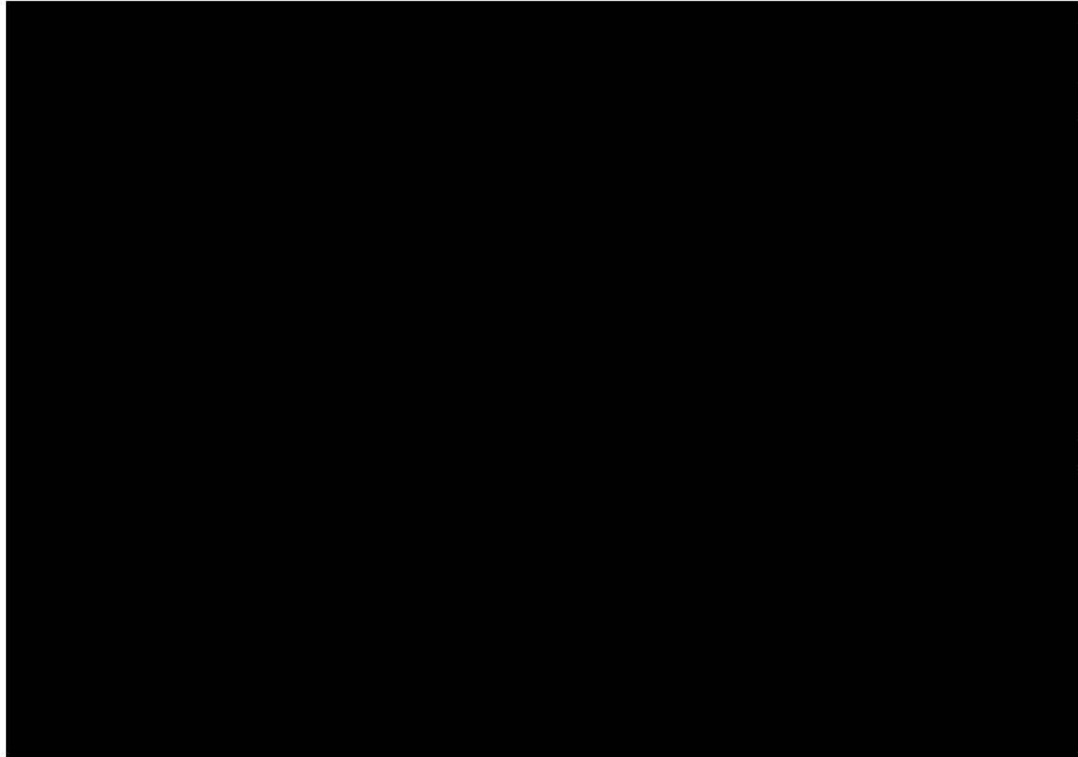


CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 67

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 68

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33 Page: 69



Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 70

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

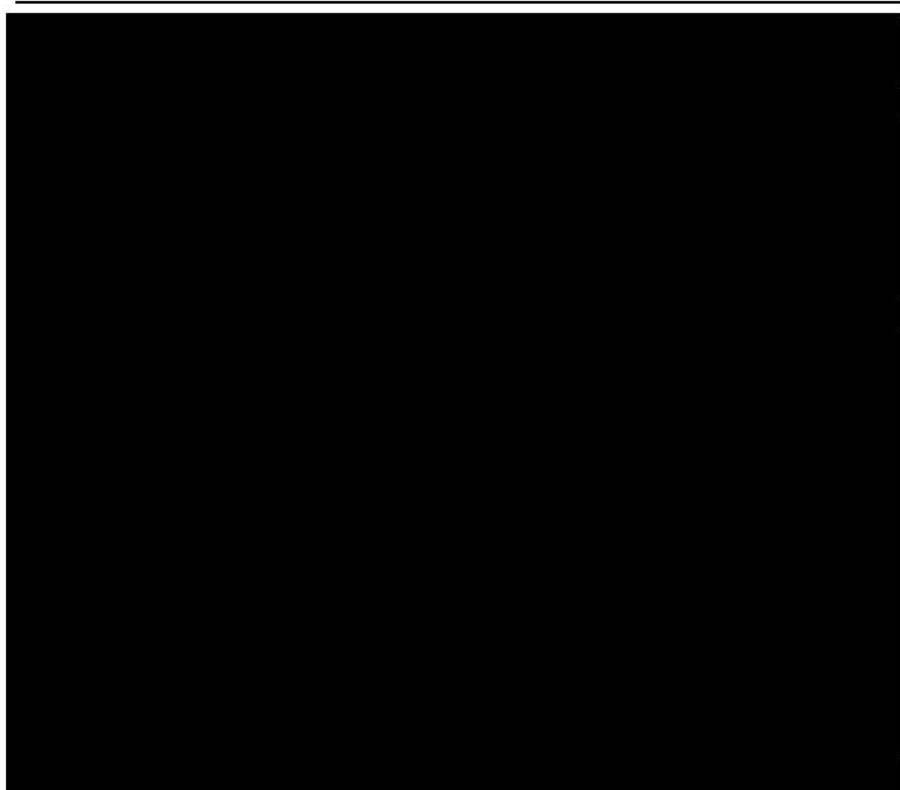
Page: 71

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 72

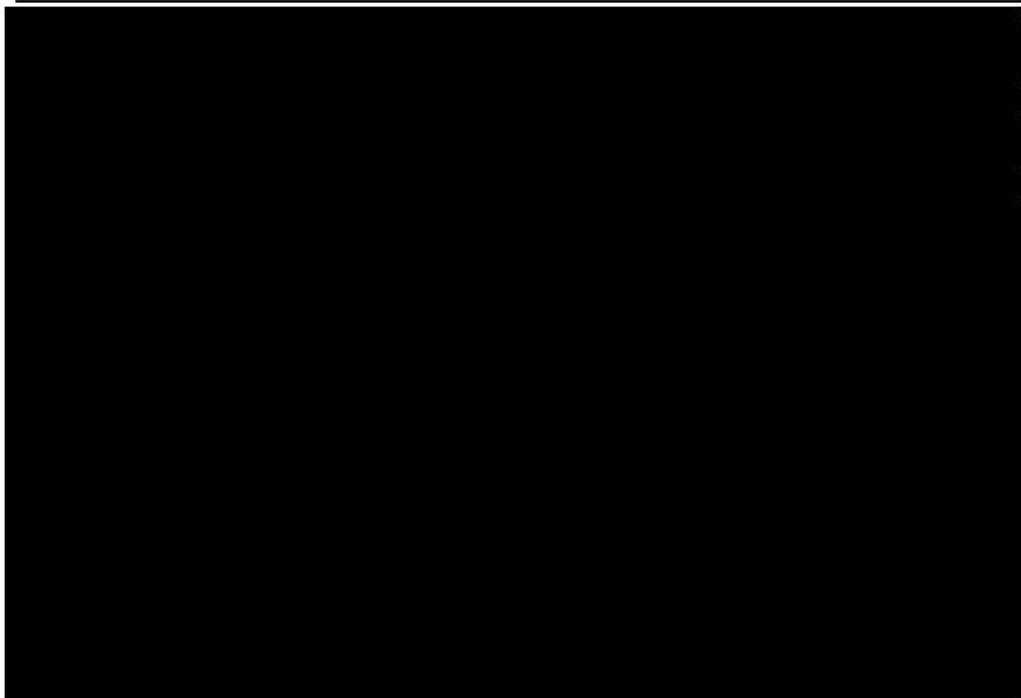
	

CONFIDENTIAL

Provantis
Individual Foetal Visceral Observations
20256434

07-Dec-2020 11:04:33

Page: 73

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 1

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 1 Pregnancy Type: P			
1	F	4.82	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.23	
3	F	5.03	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Sternebra Sternebra, Asymmetric - (A), [3rd to 5th] .....Skeletal Head (Rat-G21), No abnormalities detected
5	F	5.05	
6	M	5.25	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
7	M	5.14	
9	F	4.97	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 1st to 9th - (A), [3rd bipartite] .....Skeletal Head (Rat-G21), No abnormalities detected
11	F	5.13	
12	M	4.93	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 2

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 1 (Continued...)			
13	F	5.06	
14	F	4.84	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 2 Pregnancy Type: P			
1	M	4.79	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.52	
3	F	4.91	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.39	
5	F	5.02	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
6	F	4.65	
7	M	5.03	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
8	M	4.70	
9	F	4.79	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
10	M	4.79	

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 3

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 2 (Continued...)			
11	M	4.32	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
12	M	4.91	
13	M	4.05	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
14	F	4.67	
15	F	4.30	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 3 Pregnancy Type: P			
1	M	4.51	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	4.93	
3	F	4.75	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.36	
5	M	5.12	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
6	M	4.76	
7	F	5.03	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary cervical - (A), [right, short] .....Skeletal Head (Rat-G21), No abnormalities detected
8	F	4.80	

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 4

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 3 (Continued...)			
9	F	4.48	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.63	
11	F	4.22	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) .....Skeletal Head (Rat-G21), No abnormalities detected
12	M	5.13	
13	F	3.36	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Metatarsal, Unossified, 1st digit - (V), [bilateral] Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) .....Skeletal Head (Rat-G21), Skull Presphenoid, Incomplete ossification - (A)
14	M	4.64	
15	F	4.64	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
16	M	4.90	
Dam: 4 Pregnancy Type: P			
1	M	4.81	.....Skeletal Body (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 5

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 4 (Continued...)			
2	M	4.05	.....Skeletal Head (Rat-G21), No abnormalities detected
3	F	4.72	.....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A), [12th bipartite]
4	F	4.45	.....Skeletal Head (Rat-G21), No abnormalities detected
5	F	4.47	.....Skeletal Body (Rat-G21), No abnormalities detected
6	M	4.80	.....Skeletal Head (Rat-G21), No abnormalities detected
7	F	4.50	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary cervical - (A), [left, short] Ribs, Supernumerary lumbar, short - (V), [left]
8	M	5.12	.....Skeletal Head (Rat-G21), No abnormalities detected
10	F	3.60	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [right]
12	M	4.90	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral]
13	M	5.67	.....Skeletal Head (Rat-G21), No abnormalities detected
14	F	3.33	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right]
15	F	5.39	.....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 6

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 4 (Continued...)			
16	F	4.71	
Dam: 5 Pregnancy Type: P			
2	F	5.16	.....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
3	F	4.93	
4	F	4.84	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
5	F	4.95	
6	F	4.83	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
7	M	5.01	
8	F	5.03	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
9	F	4.96	
10	F	4.97	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
11	M	4.82	
12	F	5.18	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
13	M	5.41	
14	F	4.53	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 6 Pregnancy Type: P			
1	M	3.42	.....Skeletal Body (Rat-G21), Forepaw

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 7

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 6 (Continued...)			
2	M	5.09	Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Metatarsal, Unossified, 1st digit - (V), [bilateral] Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Body (Rat-G21), Vertebra Cervical, Unossified centrum - (V) .....Skeletal Head (Rat-G21), No abnormalities detected
3	M	5.45	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [right] Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
4	M	5.58	
5	M	5.64	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
6	F	5.61	
7	M	5.61	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
8	F	4.46	
9	M	5.89	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 8

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 6 (Continued...)			
10	F	5.39	
Dam: 7 Pregnancy Type: P			
1	F	5.23	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral]
2	M	5.04	.....Skeletal Head (Rat-G21), No abnormalities detected
3	F	4.76	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right]
4	F	4.85	.....Skeletal Head (Rat-G21), No abnormalities detected
5	F	5.14	.....Skeletal Body (Rat-G21), No abnormalities detected
6	M	5.12	.....Skeletal Head (Rat-G21), No abnormalities detected
7	M	4.84	.....Skeletal Body (Rat-G21), No abnormalities detected
8	F	4.95	.....Skeletal Head (Rat-G21), No abnormalities detected
9	M	5.44	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral]
10	F	5.33	.....Skeletal Head (Rat-G21), No abnormalities detected
11	M	5.50	.....Skeletal Body (Rat-G21), No abnormalities detected
12	M	5.32	.....Skeletal Head (Rat-G21), No abnormalities detected
13	M	5.13	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left]

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 9

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 7 (Continued...)			
14	F	4.59	.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 8 Pregnancy Type: P			
1	M	4.66	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
2	M	4.87	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.97	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
5	F	5.11	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
7	M	4.43	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
8	M	5.48	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
9	F	5.12	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
11	F	4.96	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
12	M	5.20	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
15	F	4.91	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
16	M	5.53	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
17	F	4.64	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 10

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 9 Pregnancy Type: P			
1	F	4.75	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), Skull Interparietal, Incomplete ossification - (V)
2	M	4.92	
3	F	4.39	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
4	M	5.25	
5	F	5.24	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
6	M	5.42	
7	M	5.48	.....Skeletal Body (Rat-G21), Ribs Ribs, Thick - (A), [bilateral] Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
8	M	5.28	

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 11

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 9 (Continued...)			
9	M	5.07	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
10	M	4.69	
11	M	5.27	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
12	F	4.74	
13	F	5.36	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [right] .....Skeletal Body (Rat-G21), Ribs Ribs, Thick - (A), [right] Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 10 Pregnancy Type: P			
1	M	5.27	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), Skull Interparietal, Incomplete ossification - (V)
2	M	5.14	
3	M	5.45	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
4	M	5.43	

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 12

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 10 (Continued...)			
6	M	5.74	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
7	M	5.65	
8	M	5.26	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
9	M	5.15	
10	M	5.08	.....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) .....Skeletal Head (Rat-G21), No abnormalities detected
11	F	5.16	
12	F	4.89	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 11 Pregnancy Type: P			
1	M	4.88	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	4.89	
3	F	4.29	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Sternebra Sternebra, Incomplete ossification, 1st/3rd - (A), [3rd bipartite] Sternebra, Incomplete ossification, 2nd/4th - (V), [2nd and 4th bipartite]

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 13

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 11 (Continued...)			
4	F	4.96	Sternebra, Minor fusion - (A), [1st and 2nd] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) Cervical, Unossified centrum - (V) .....Skeletal Head (Rat-G21), No abnormalities detected
5	F	5.27	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
6	F	4.88	
7	M	5.44	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [left] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
8	F	5.27	
9	M	5.12	.....Skeletal Body (Rat-G21), No abnormalities detected .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	5.08	
11	F	5.29	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
12	M	5.45	

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 14

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 12 Pregnancy Type: P			
1	F	4.95	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.12	
3	M	4.78	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
5	M	5.25	
6	F	4.51	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
7	F	4.77	
8	M	4.97	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
9	M	4.93	
10	F	4.87	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
11	M	5.01	
12	F	5.01	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
13	M	5.08	
14	F	4.39	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), Skull Interparietal, Incomplete ossification - (V)

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 15

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 13 Pregnancy Type: P			
1	F	4.29	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.40	
3	M	4.09	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
4	M	3.80	
5	F	4.75	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
6	M	5.01	
8	M	4.85	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
9	F	4.81	
10	M	4.62	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
11	F	4.43	
12	M	4.21	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
13	M	5.03	
14	F	5.10	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral]

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 16

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 13 (Continued...)			
15	F	4.66	.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 14 Pregnancy Type: P			
1	M	5.06	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.55	.....Skeletal Head (Rat-G21), No abnormalities detected
3	M	5.15	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	M	5.09	.....Skeletal Head (Rat-G21), No abnormalities detected
5	F	4.54	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
7	M	4.25	.....Skeletal Head (Rat-G21), No abnormalities detected
8	M	4.93	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
9	F	4.54	.....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.92	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
11	M	4.80	.....Skeletal Head (Rat-G21), No abnormalities detected
12	F	4.44	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
13	F	4.69	.....Skeletal Head (Rat-G21), No abnormalities detected
14	F	4.30	.....Skeletal Body (Rat-G21), Ribs

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 17

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 14 (Continued...)			
			Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 15 Pregnancy Type: P			
1	M	5.17	.....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) .....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.70	
3	M	5.18	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	5.06	
5	M	5.16	.....Skeletal Body (Rat-G21), No abnormalities detected .....Skeletal Head (Rat-G21), No abnormalities detected
6	M	5.22	
7	F	5.00	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
9!	M	5.30	
10	M	5.09	.....Skeletal Body (Rat-G21), No abnormalities detected .....Skeletal Head (Rat-G21), No abnormalities detected
11	F	5.14	
12	M	4.91	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
13	F	4.87	

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 18

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 15 (Continued...)			
14	M	4.73	.....Skeletal Body (Rat-G21), No abnormalities detected .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 16 Pregnancy Type: P			
1	M	4.74	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	4.84	
3	M	4.86	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.69	
5	F	4.74	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
6	F	4.53	
7	F	4.84	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
8	F	4.92	
9	F	4.97	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.42	
11	F	4.61	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [left] Ribs, Supernumerary lumbar, short - (V), [right]

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations
 20256434

07-Dec-2020 11:04:11

Page: 19

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 16 (Continued...)			
12	F	4.10	.....Skeletal Head (Rat-G21), No abnormalities detected
13	F	3.91	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 17 Pregnancy Type: P			
1	M	4.92	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	4.10	
3	F	4.67	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [left] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.50	
6	M	5.49	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
7	M	5.08	
8	M	4.78	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral]

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 20

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 17 (Continued...)			
9	F	4.80	.....Skeletal Head (Rat-G21), No abnormalities detected
10	M	4.56	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
11	F	4.76	.....Skeletal Head (Rat-G21), No abnormalities detected
12	F	4.25	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A), [11th bipartite] .....Skeletal Head (Rat-G21), No abnormalities detected
13	F	4.84	.....Skeletal Head (Rat-G21), No abnormalities detected
14	F	4.37	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
15	F	4.29	.....Skeletal Head (Rat-G21), No abnormalities detected
16	F	4.10	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 18 Pregnancy Type: P			
1	F	4.87	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left]

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 21

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 18 (Continued...)			
2	M	5.08	.....Skeletal Head (Rat-G21), No abnormalities detected
3	F	5.12	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	F	5.09	.....Skeletal Body (Rat-G21), No abnormalities detected
5	M	5.13	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
6	F	5.18	.....Skeletal Body (Rat-G21), No abnormalities detected
7	F	5.04	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
8	F	5.19	.....Skeletal Body (Rat-G21), No abnormalities detected
9	F	5.07	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.83	.....Skeletal Body (Rat-G21), No abnormalities detected
11	M	5.80	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
12	F	5.17	.....Skeletal Body (Rat-G21), No abnormalities detected
13	M	5.21	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
14	M	4.50	.....Skeletal Body (Rat-G21), No abnormalities detected
Dam: 19 Pregnancy Type: P			
1	M	5.36	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 22

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 19 (Continued...)			
2	M	5.26	
4	M	5.38	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
5	F	5.01	
6	F	5.02	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
7	F	4.68	
8	F	4.10	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Body (Rat-G21), Vertebra Lumbar, Number = 7 - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
9	F	5.14	
10	F	5.30	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary cervical - (A), [left, short] .....Skeletal Head (Rat-G21), No abnormalities detected
11	F	5.27	
12	F	4.77	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
13	M	4.90	
Dam: 20 Pregnancy Type: NPE			
Dam: 21 Pregnancy Type: P			
1	M	4.80	.....Skeletal Body (Rat-G21), Hindpaw

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 23

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 21 (Continued...)			
2	F	4.18	Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
3	F	3.84	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [right] .....Skeletal Body (Rat-G21), Hindpaw Metatarsal, Unossified, 1st digit - (V), [right] Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
4	M	4.75	
5	M	4.75	.....Skeletal Body (Rat-G21), No abnormalities detected .....Skeletal Head (Rat-G21), No abnormalities detected
6	M	5.07	
7	M	4.57	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) Cervical, Unossified centrum - (V) .....Skeletal Head (Rat-G21), No abnormalities detected
8	M	4.66	
9	F	4.49	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.61	

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 24

20256434

Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 21 (Continued...)			
11	F	4.57	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) .....Skeletal Head (Rat-G21), No abnormalities detected
12	F	4.51	
13	M	4.82	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
14	F	4.66	
15	M	4.93	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
16	M	4.96	
Dam: 22 Pregnancy Type: P			
2	F	4.46	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
3	F	5.04	
4	F	4.81	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
5	F	4.65	
6	F	4.72	.....Skeletal Body (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 25

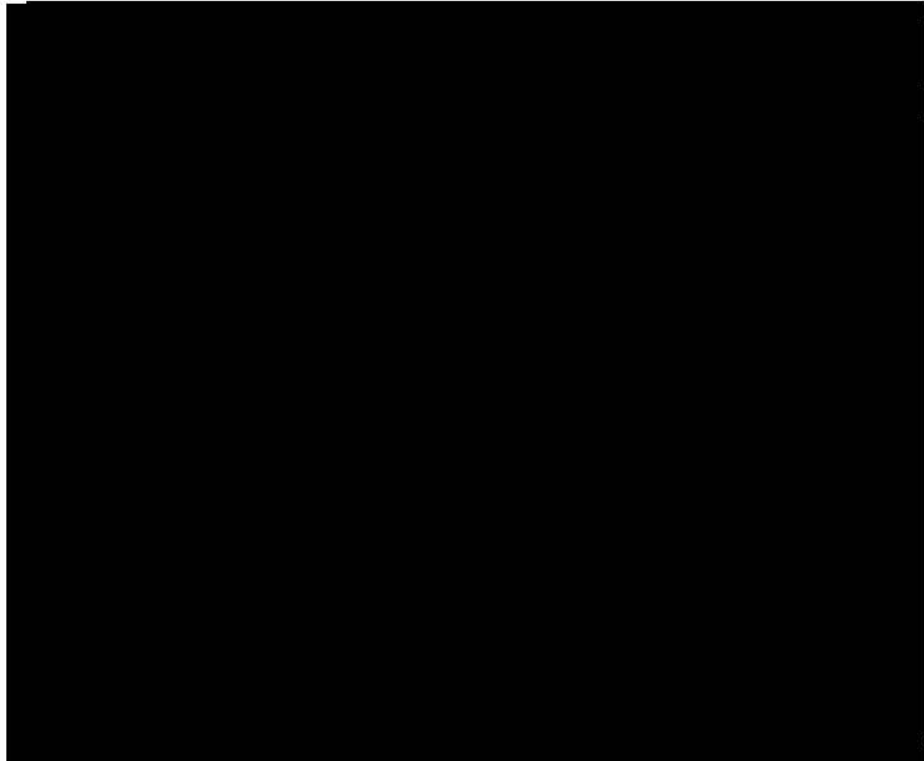
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Control 0mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 22 (Continued...)			
7!	F	4.85Skeletal Head (Rat-G21), No abnormalities detected
8	M	4.87	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
9	M	5.04	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
10	M	5.30	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
11	F	4.79	.....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V)
12	F	4.53	.....Skeletal Head (Rat-G21), No abnormalities detected
13	M	4.83	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
14	M	4.32	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 26

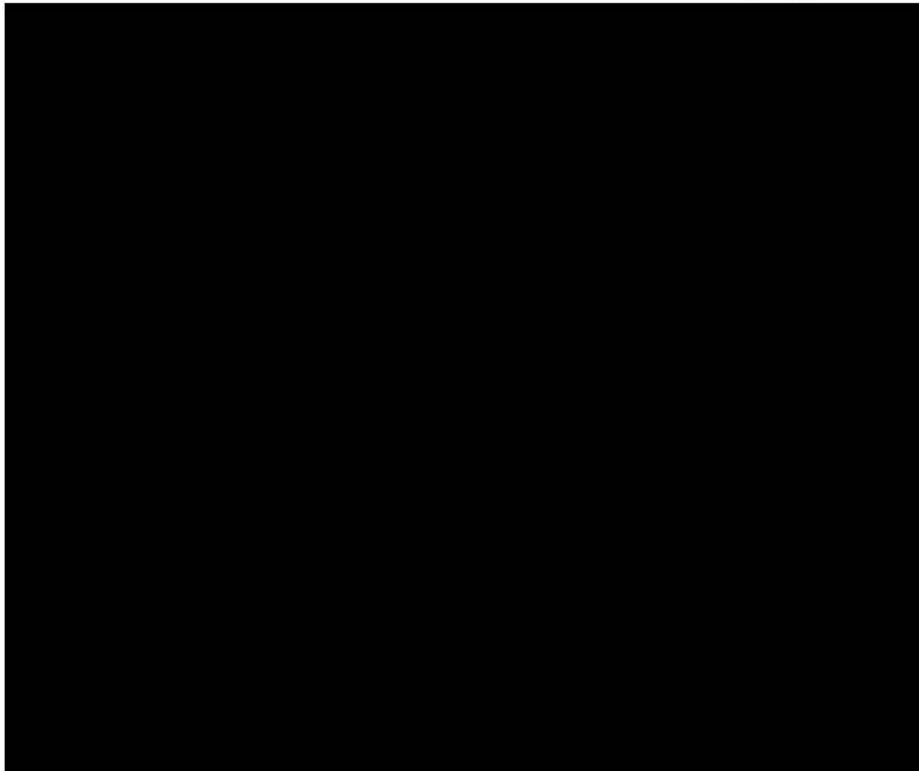
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 27

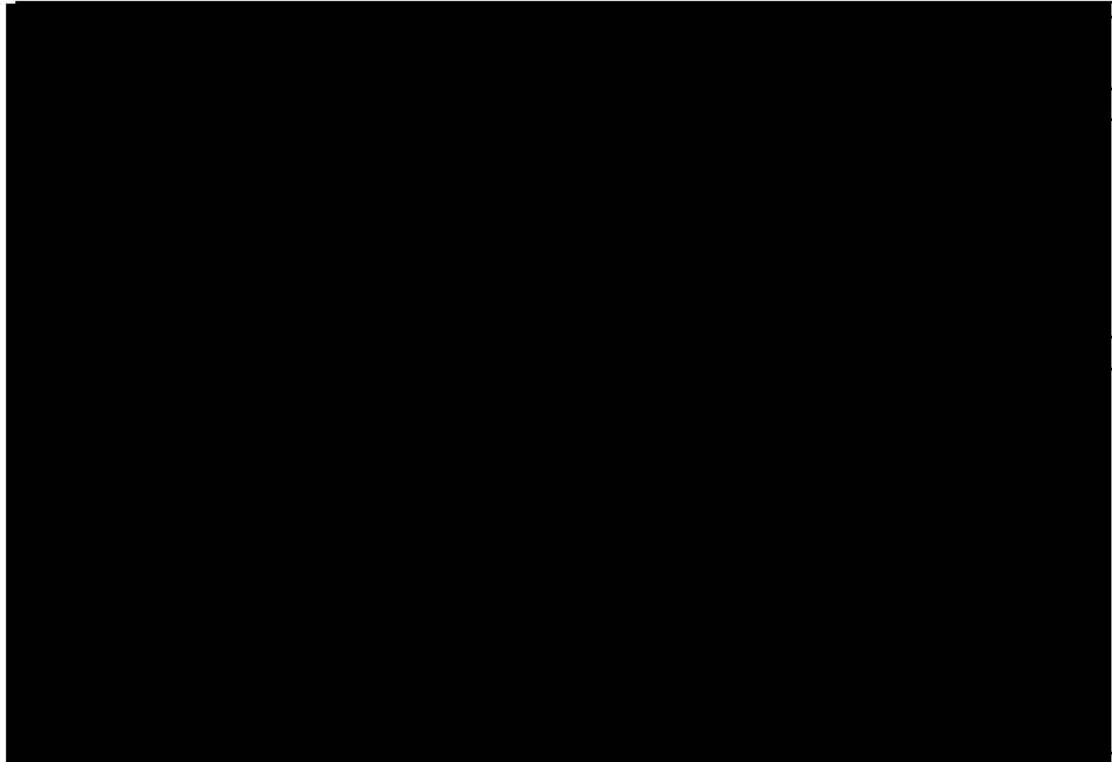


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Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

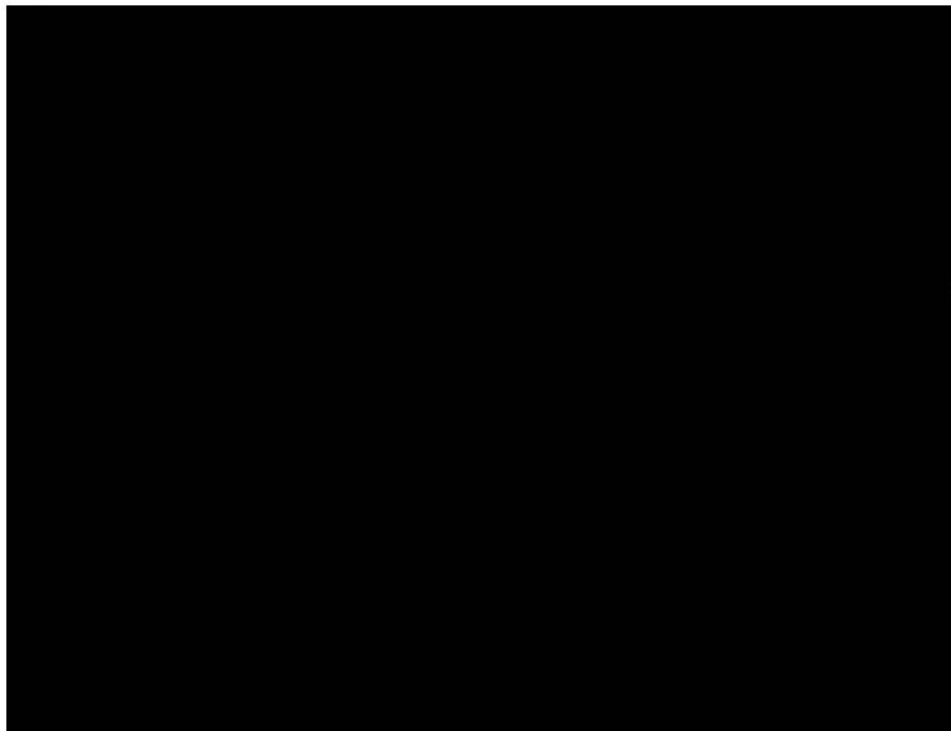
Page: 28

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 29

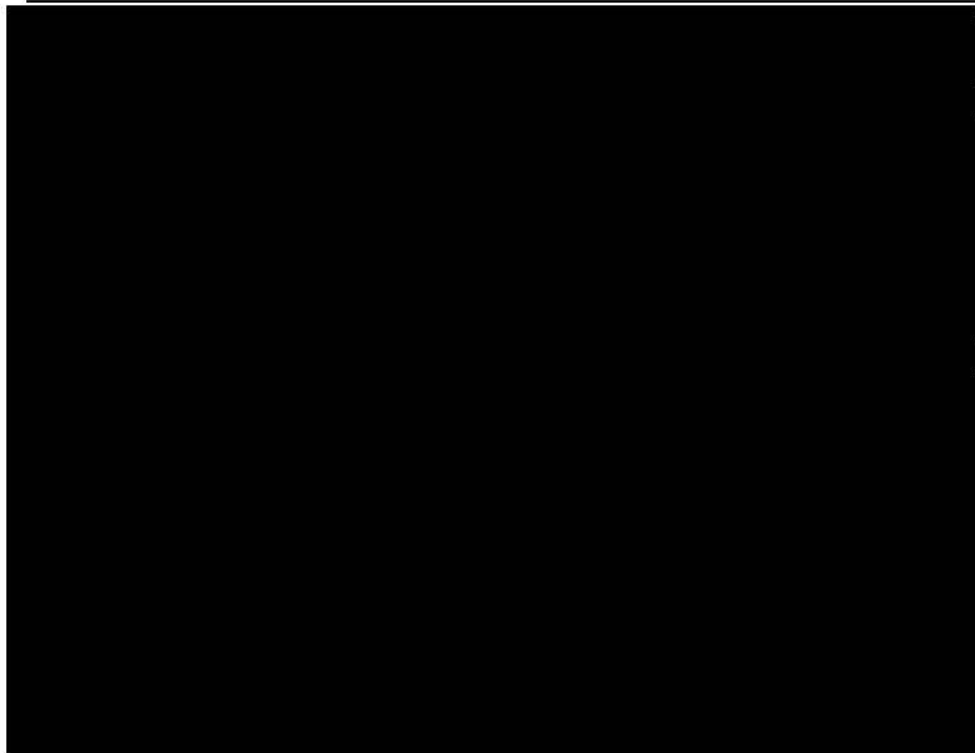
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 30

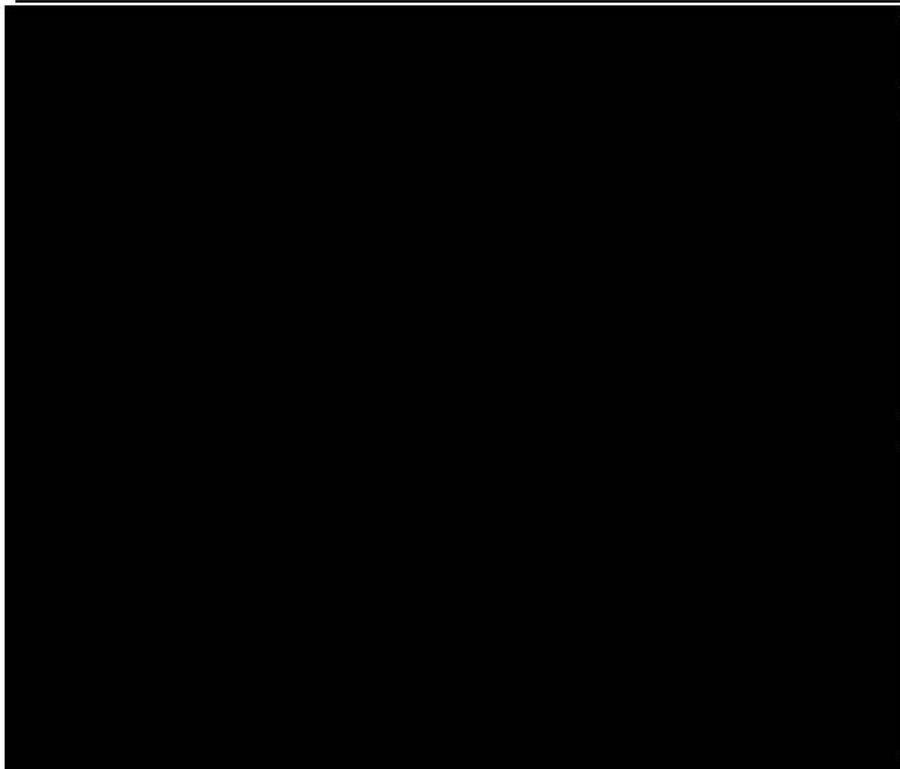
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 31

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

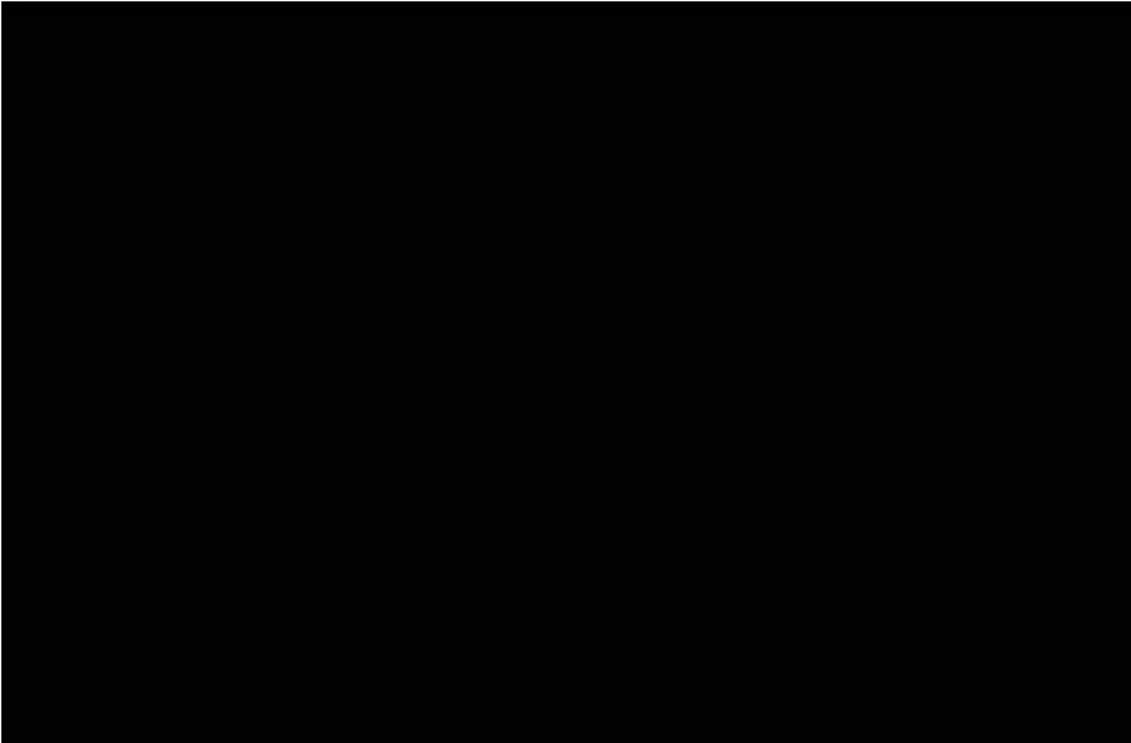
Page: 32

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 33

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 34

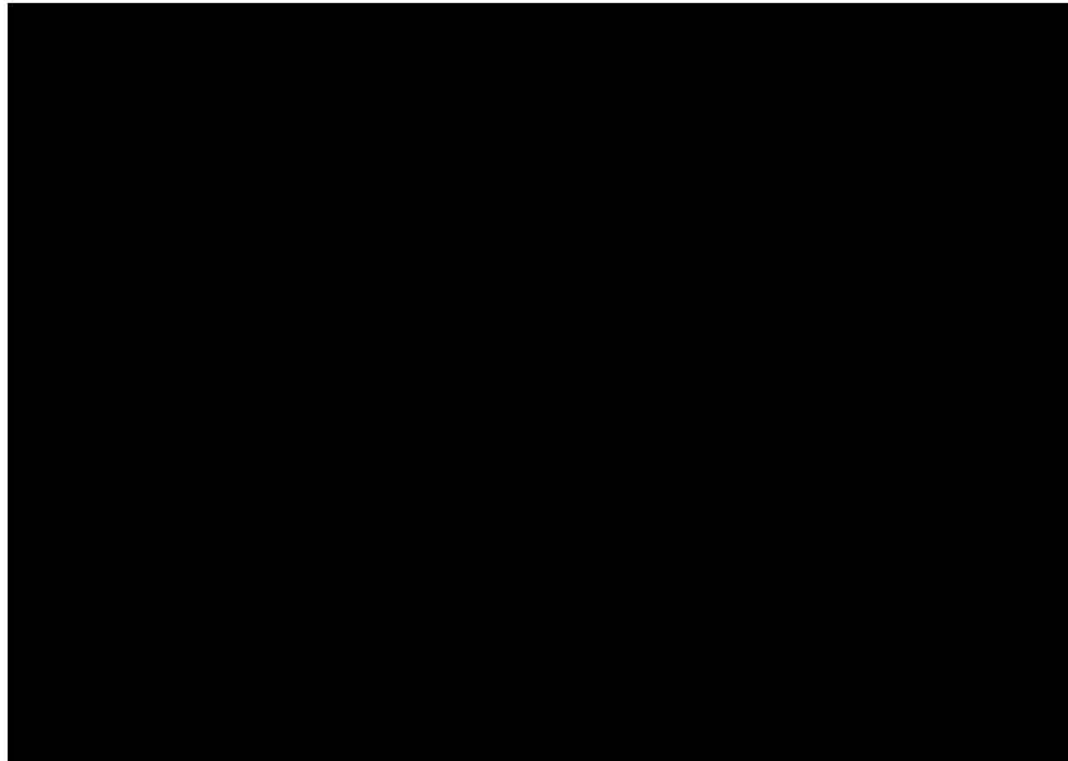
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 35

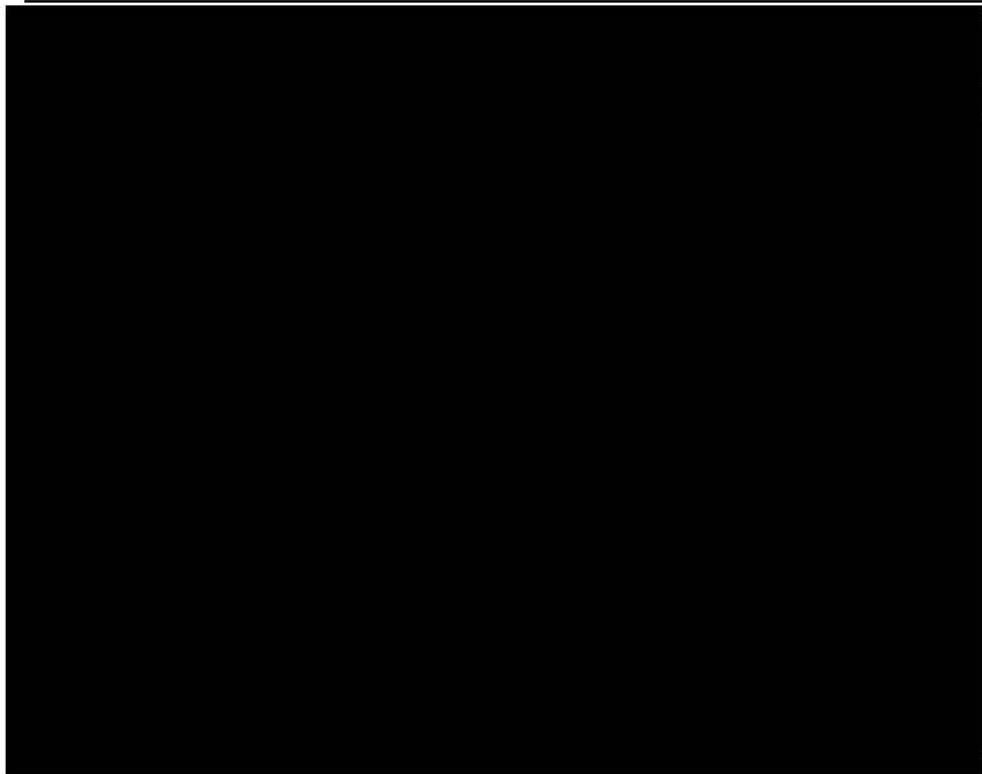
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 36

CONFIDENTIAL

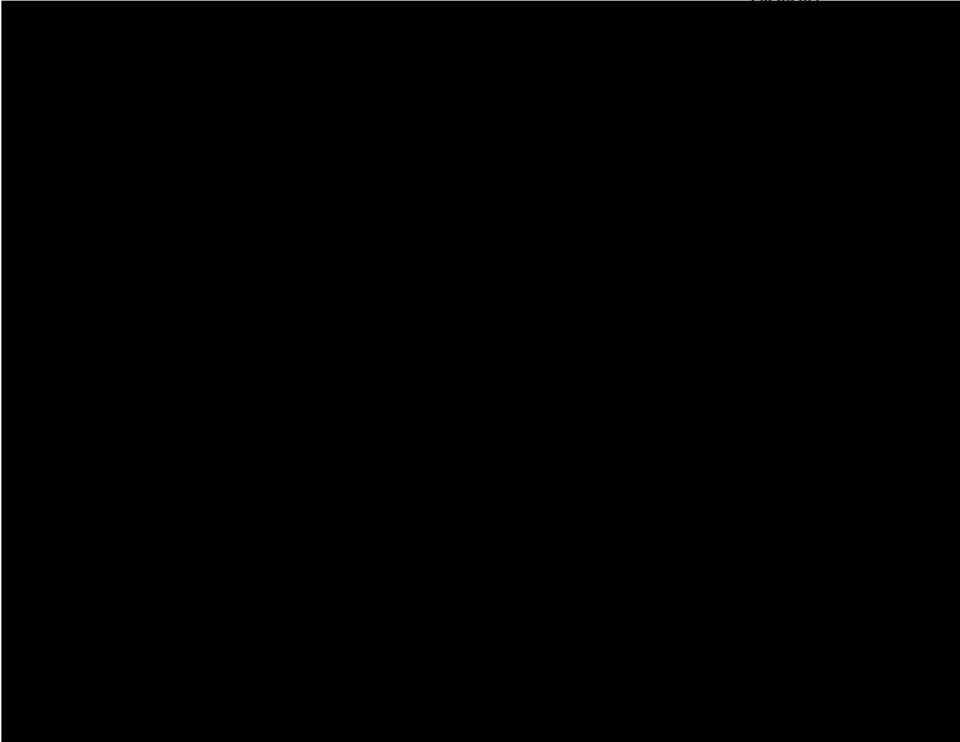
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07-Dec-2020 11:04:11

Page: 37

Individual Foetal Skeletal Observations

20256434

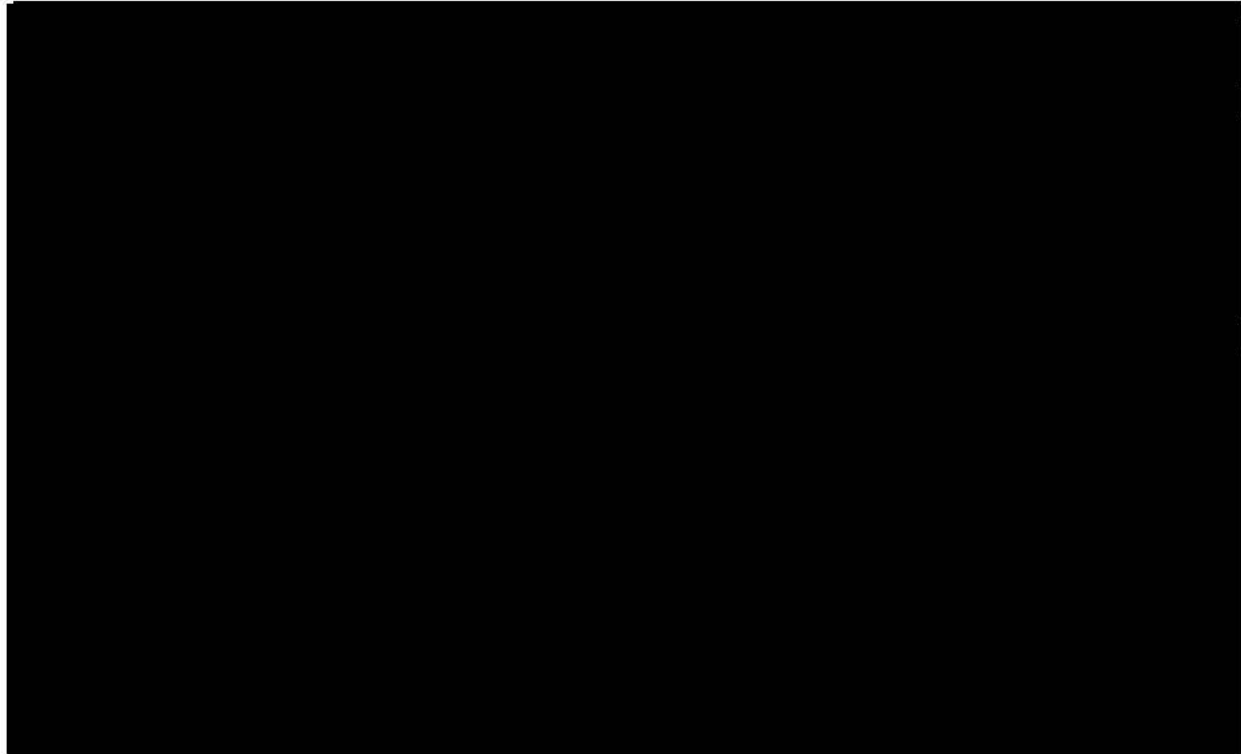
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 38

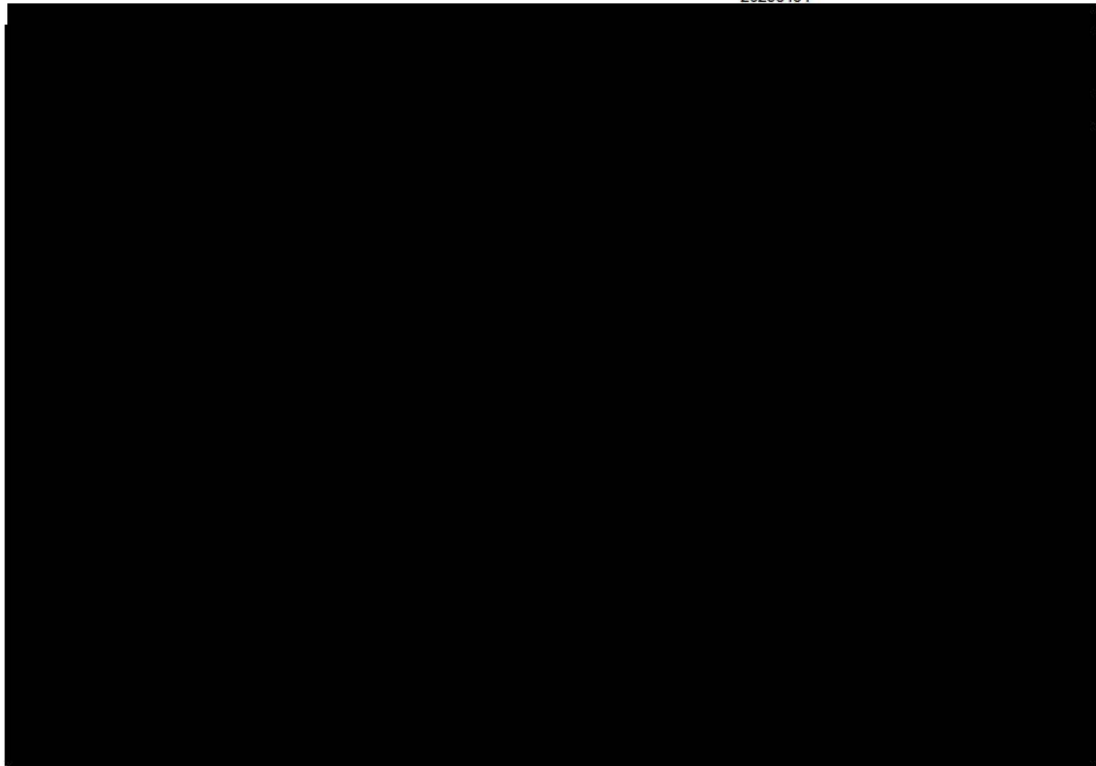
	

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Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

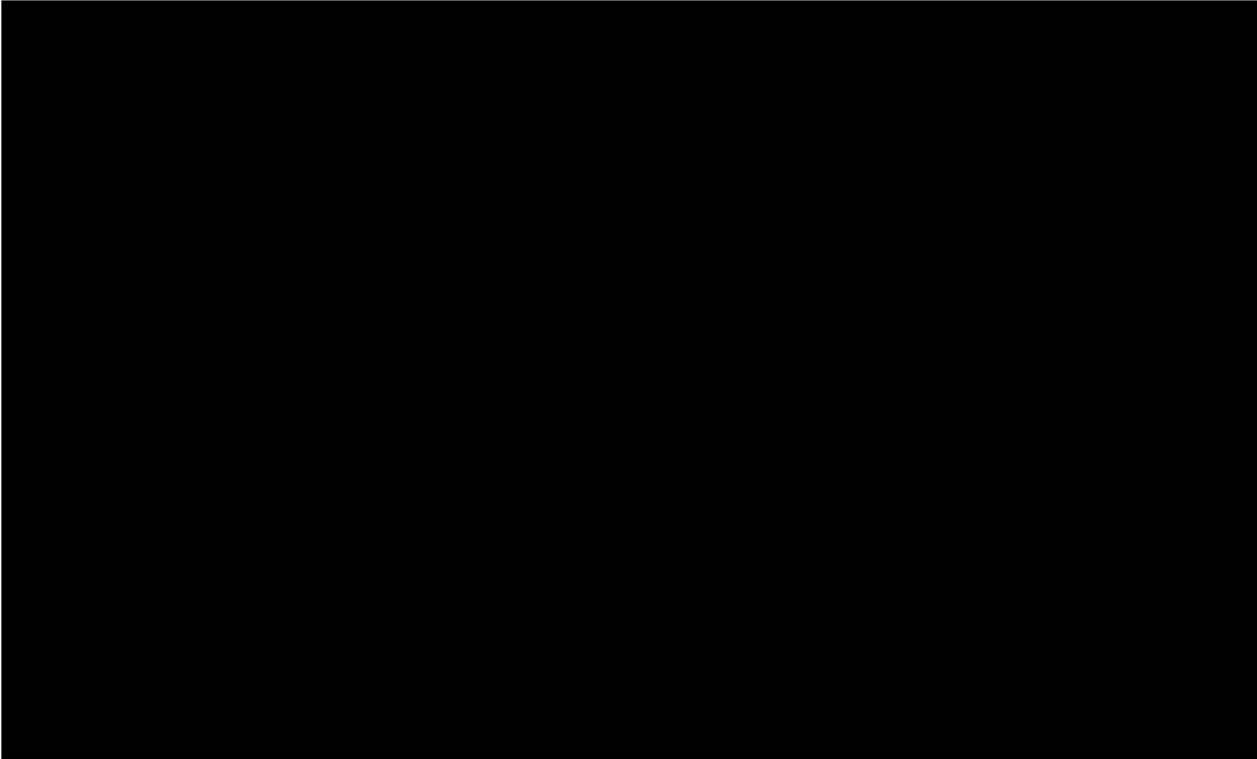
Page: 39



CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11 Page: 40

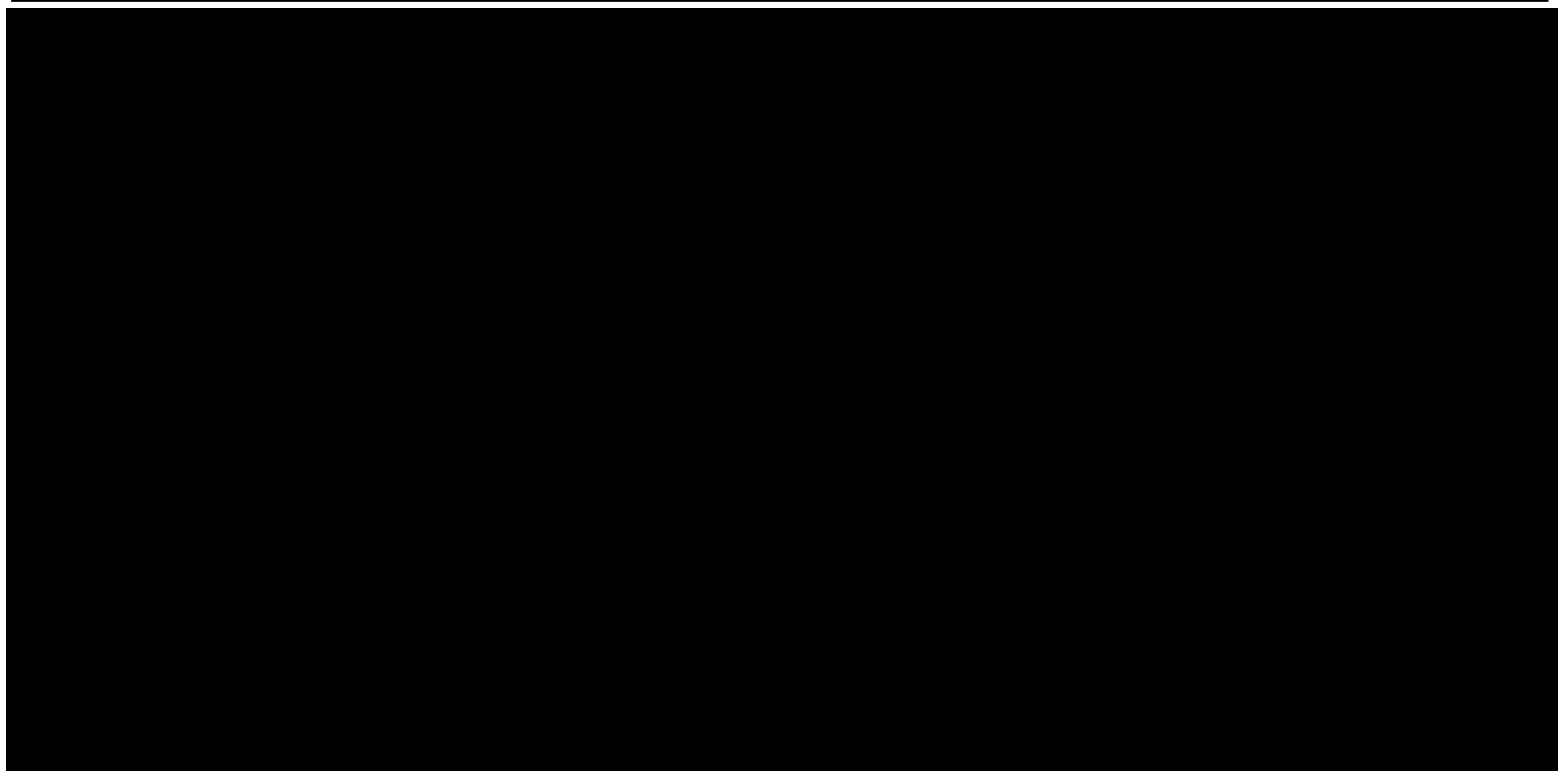
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 41




CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 42

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 43

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 44

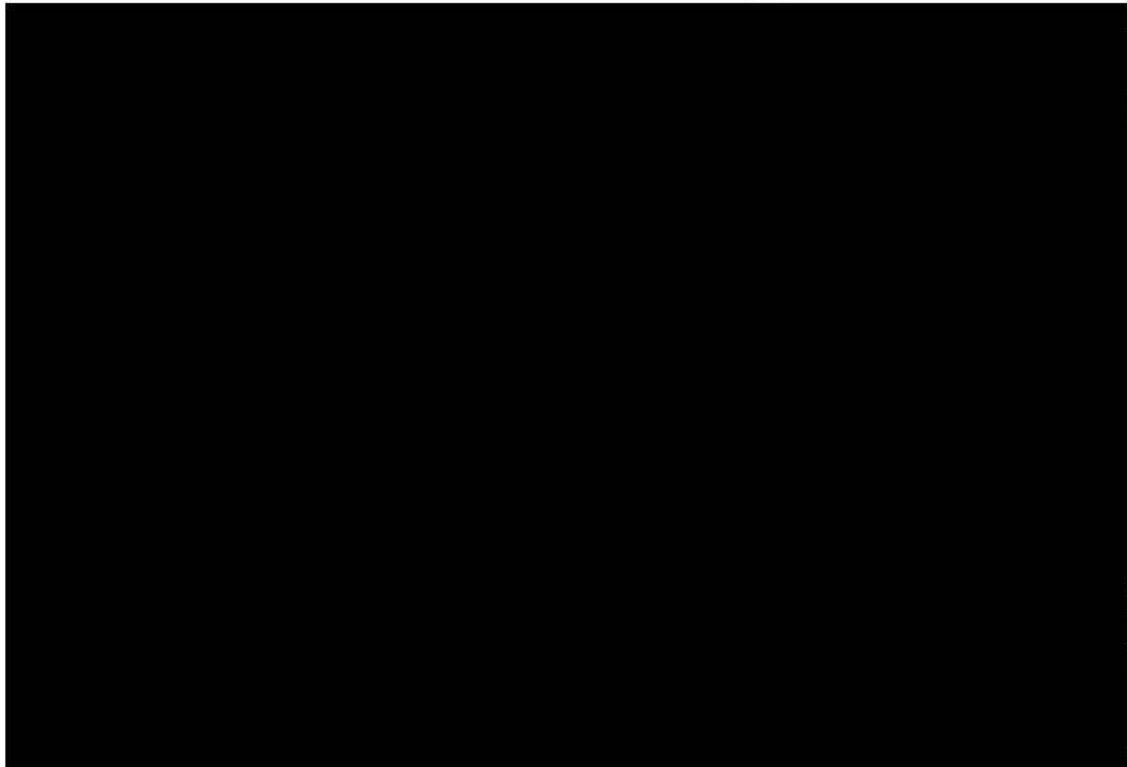
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 45

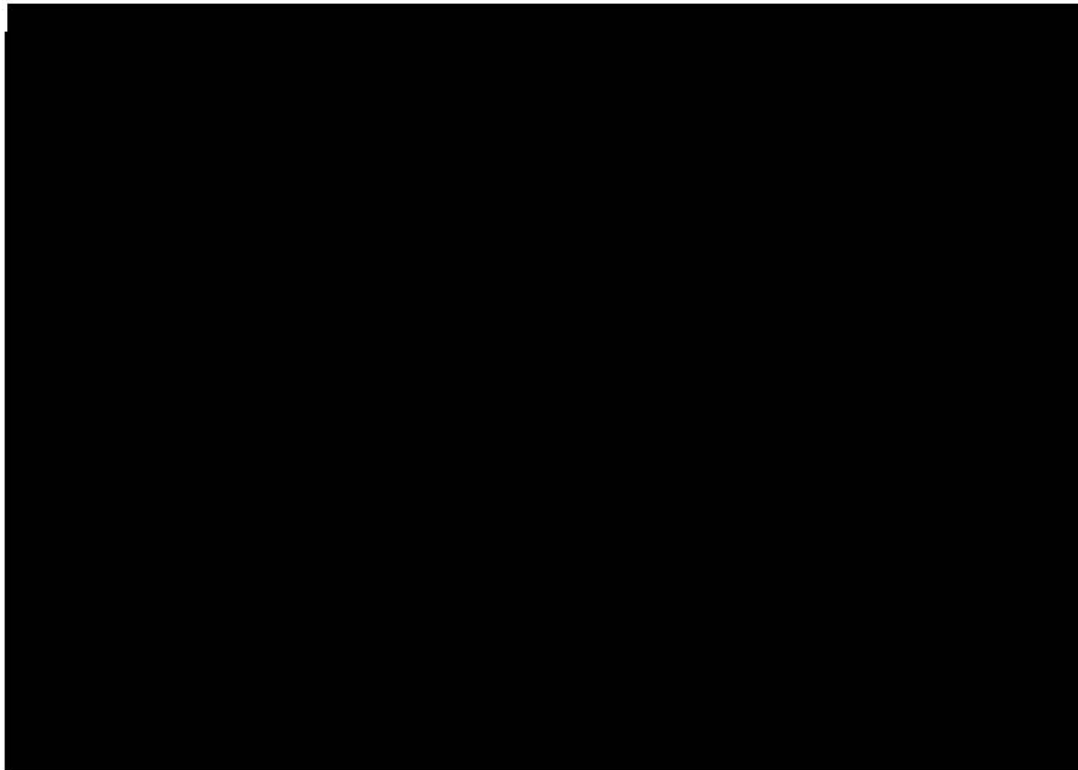
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 46

CONFIDENTIAL

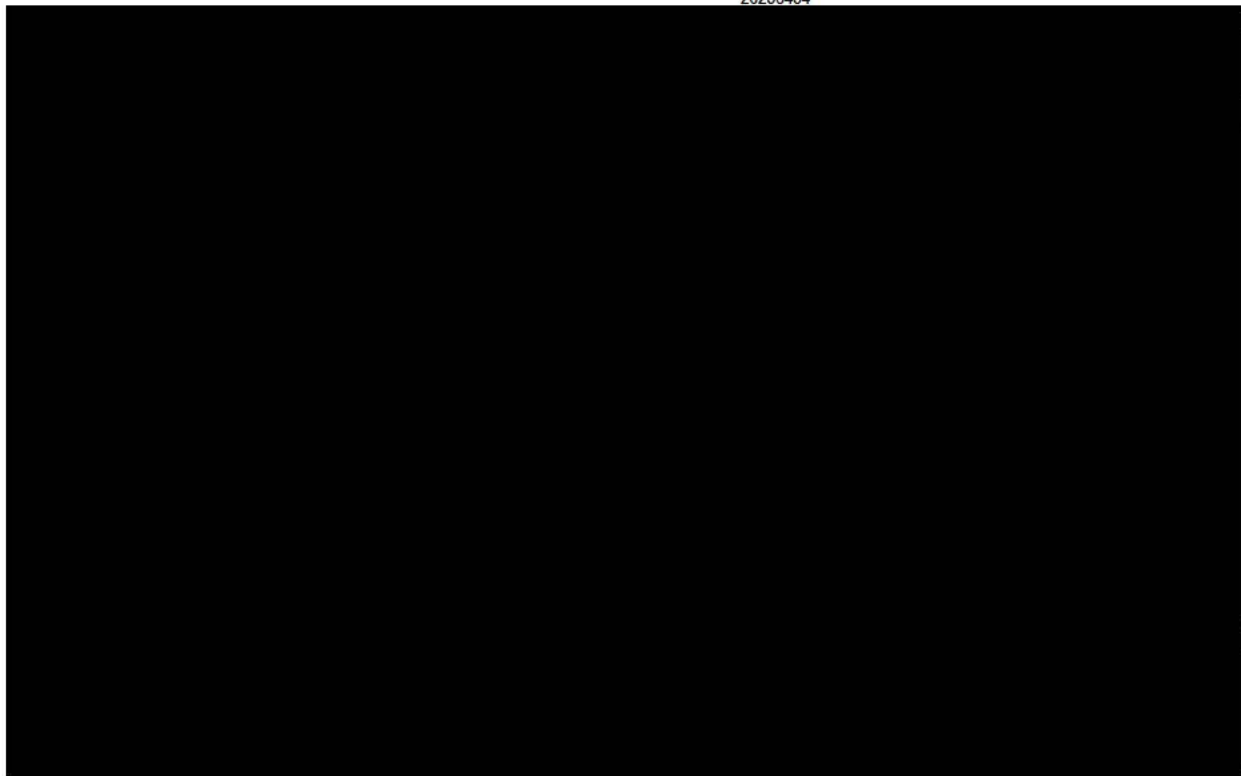
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07-Dec-2020 11:04:11

Page: 47

Individual Foetal Skeletal Observations

20256434

CONFIDENTIAL

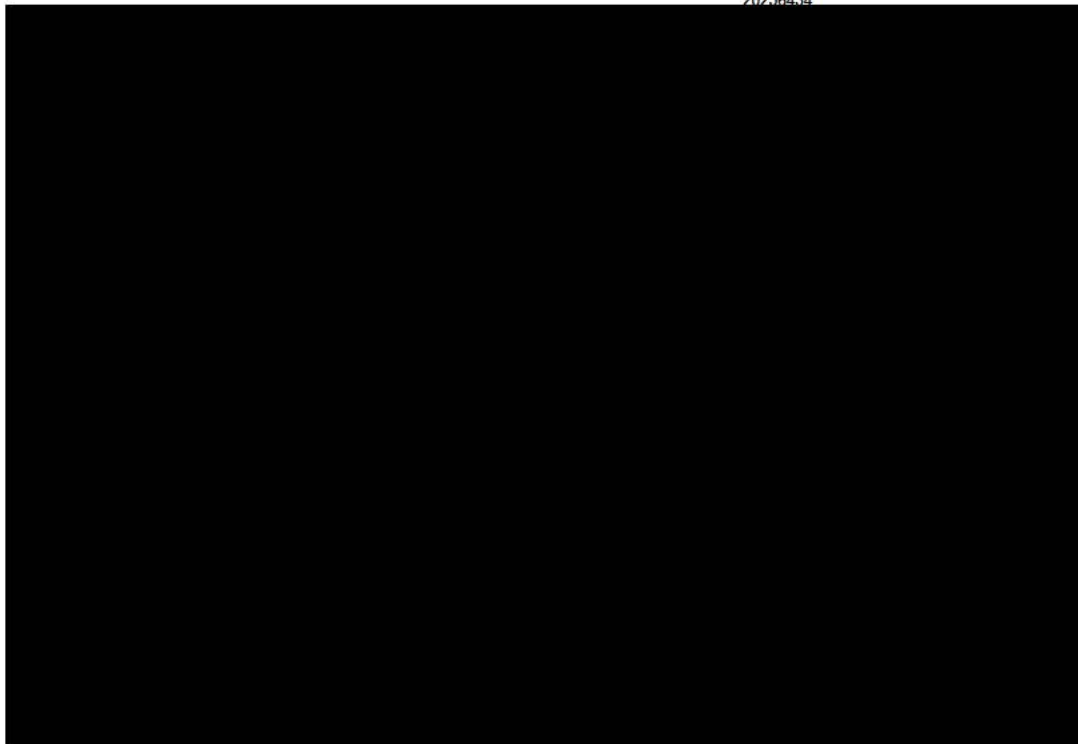
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07-Dec-2020 11:04:11

Page: 48

Individual Foetal Skeletal Observations

20256434

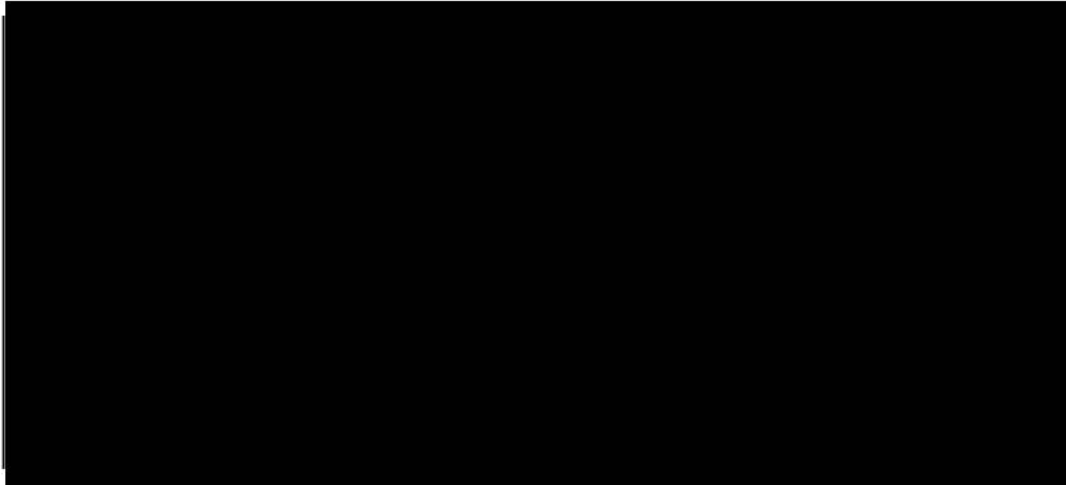
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 50

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 51

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 45 Pregnancy Type: P			
1	F	4.30	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	F	3.69	
3	F	4.84	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	M	4.84	
5	F	4.90	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
6	M	3.87	
7	M	4.91	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
8	M	5.13	
9	F	5.27	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
10	M	5.20	
11	F	4.37	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
12	M	4.78	
14	F	5.17	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 46 Pregnancy Type: P			
1	M	4.82	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 52

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 46 (Continued...)			
2	M	4.91	
3	M	4.80	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [right] Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.82	
5	F	4.57	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
6	M	4.74	
7	F	5.12	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [left] Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
8	M	5.15	
9	F	5.00	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.49	
11	F	4.95	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
12	M	4.85	
13	M	5.04	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 53

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 46 (Continued...)			
14	M	4.84	
15	M	4.99	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
16	F	4.73	
17	M	4.85	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 47 Pregnancy Type: P			
1	F	4.84	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.59	
3	M	5.21	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.90	
5	F	4.93	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
6	M	5.10	
7!	M	5.21	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A), [12th bipartite] .....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 54

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 47 (Continued...)			
8	M	4.67	
9	F	4.42	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.95	
11	M	5.18	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
12	M	5.06	
Dam: 48 Pregnancy Type: P			
1	F	5.13	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.10	
3	F	4.42	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
4	M	4.68	
5	M	4.90	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
6	M	4.89	
7	M	5.14	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
8	F	4.90	
9	F	4.82	.....Skeletal Body (Rat-G21), Ribs

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations
 20256434

07-Dec-2020 11:04:11

Page: 55

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 48 (Continued...)			
10	F	4 51	Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 49 Pregnancy Type: P			
1	F	4 20	.....Skeletal Body (Rat-G21), Ribs Ribs, Thick - (A), [bilateral] Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	4.73	
3	M	4 50	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
5	M	4.83	
6	M	3 56	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Metatarsal, Unossified, 1st digit - (V), [bilateral] Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [left] Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 56

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 49 (Continued...)			
8	M	4.93	
9	M	4.49	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.54	
12	F	4.49	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
13	F	4.54	
14	F	4.19	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
15	F	4.67	
17	M	4.32	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 50 Pregnancy Type: P			
1	F	4.27	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.05	
3	M	4.73	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.21	
6	F	4.51	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 57

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 50 (Continued...)			
7	M	4.64	
8	M	5.16	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) .....Skeletal Head (Rat-G21), No abnormalities detected
9	M	5.25	
10	F	4.45	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 51 Pregnancy Type: P			
1	F	5.07	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.37	
3	M	5.56	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	5.11	
5	M	5.43	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
6	M	5.42	
7	F	5.18	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
8	M	4.54	

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 58

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 51 (Continued...)			
9	M	5.38	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
10	M	4.94	
11	F	4.69	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
12	M	5.55	
13	M	5.53	.....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
14	F	5.33	
15	M	5.13	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 52 Pregnancy Type: P			
1	F	5.46	.....Skeletal Body (Rat-G21), Ribs Ribs, Thick - (A), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.99	
3	M	5.64	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	5.25	
6	F	5.10	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
7	F	5.12	

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 59

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 52 (Continued...)			
9	M	5.31	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	5.21	
11	F	4.96	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
12	M	5.01	
13	M	5.74	.....Skeletal Body (Rat-G21), Ribs Ribs, Thick - (A), [bilateral] Ribs, Wavy - (A), [bilateral, 11th and 12th] .....Skeletal Head (Rat-G21), Skull Parietal, Incomplete ossification - (V) Squamosal, Incomplete ossification - (V)
14	M	5.45	
15	M	5.14	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 53 Pregnancy Type: P			
1	M	4.98	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [right] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), Skull Interparietal, Incomplete ossification - (V)
2	M	4.96	
3	F	4.85	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral]

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 60

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 53 (Continued...)			
4	M	4.49	.....Skeletal Head (Rat-G21), No abnormalities detected
5	F	4.04	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
6	M	2.70	.....Skeletal Head (Rat-G21), No abnormalities detected
7	F	4.28	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
8	M	5.26	.....Skeletal Head (Rat-G21), No abnormalities detected
9!	F	4.86	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
10	M	5.10	.....Skeletal Head (Rat-G21), No abnormalities detected
11	F	3.10	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Metatarsal, Unossified, 1st digit - (V), [bilateral] Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Sternebra Sternebra, Incomplete ossification, 2nd/4th - (V), [2nd bipartite]

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 61

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 53 (Continued...)			
12	F	4.65	.....Skeletal Body (Rat-G21), Vertebra Caudal, Number < 5 - (A) Cervical, Odontoid process unossified - (V) Cervical, Unossified centrum - (V) Lumbar, Number = 7 - (A) .....Skeletal Head (Rat-G21), Skull Supraoccipital, Incomplete ossification - (V)
13	M	4.03	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral]
14	M	4.98	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral]
15	M	5.11	.....Skeletal Head (Rat-G21), No abnormalities detected
16	F	3.84	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 54 Pregnancy Type: P			
1	M	4.61	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [right]
2	M	5.45	Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 62

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 54 (Continued...)			
3	M	5.08	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
4	M	5.72	
5	F	5.59	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [left] Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Body (Rat-G21), Vertebra Lumbar, Number = 7 - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
6	M	5.38	
7	M	5.28	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
8	F	4.92	
9	M	5.46	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
10	M	5.16	
12	M	5.64	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Lumbar, Number = 7 - (A) .....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 63

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 54 (Continued...)			
13	F	5.49	
14	F	4.71	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 55 Pregnancy Type: P			
1	F	5.00	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.64	
3	F	5.24	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	F	5.13	
5	M	5.36	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
6	F	4.81	
8	M	5.18	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
9	F	4.54	
10	F	5.25	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
11	F	4.96	
12	M	5.42	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 64

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 55 (Continued...)			
13	F	5.03	
14	M	5.24	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 56 Pregnancy Type: NPE			
Dam: 57 Pregnancy Type: P			
1	M	5.01	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.67	
3	F	4.86	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.94	
5	F	5.15	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
6	M	5.26	
7	M	4.97	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
8	M	5.45	
9	F	4.76	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
10	M	4.20	
11	F	5.34	.....Skeletal Body (Rat-G21), Ribs

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 65

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 57 (Continued...)			
12	F	5.00	Ribs, Supernumerary lumbar - (A), [right] Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
13	M	5.39	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
14	M	5.40	.....Skeletal Body (Rat-G21), Ribs
15	M	5.16	Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 58 Pregnancy Type: P			
1	M	4.04	.....Skeletal Body (Rat-G21), General Vertebra, Presacral vertebral arches = 27 - (A), [left] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [left] Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) Cervical, Unossified centrum - (V) Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.05	.....Skeletal Body (Rat-G21), No abnormalities detected
3	F	4.69	.....Skeletal Head (Rat-G21), No abnormalities detected
4	M	4.78	.....Skeletal Head (Rat-G21), No abnormalities detected

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 66

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 58 (Continued...)			
5	F	4.68	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
7	M	5.00	
8	F	4.77	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Cervical, Odontoid process unossified - (V) .....Skeletal Head (Rat-G21), No abnormalities detected
9	M	4.00	
10	M	3.77	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Sternebra Sternebra, Incomplete ossification, 1st/3rd - (A) Sternebra, Incomplete ossification, 2nd/4th - (V) .....Skeletal Body (Rat-G21), Vertebra Caudal, Number < 5 - (A) Cervical, Incomplete ossification of arch - (A), [5th and 6th] Cervical, Odontoid process unossified - (V) Thoracic, Incomplete ossification of centrum, 1st to 9th - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
11	F	4.36	
13	M	4.83	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
14	F	2.50	
15	F	4.59	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral]

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 67

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 58 (Continued...)			
16	M	4.79	.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 59 Pregnancy Type: P			
1	F	4.55	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.52	.....Skeletal Head (Rat-G21), No abnormalities detected
4	F	5.02	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
5	F	4.19	.....Skeletal Head (Rat-G21), No abnormalities detected
7	F	4.27	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
8	M	4.61	.....Skeletal Head (Rat-G21), No abnormalities detected
9	M	5.04	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.63	.....Skeletal Head (Rat-G21), No abnormalities detected
11	M	4.35	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
12	F	4.66	.....Skeletal Head (Rat-G21), No abnormalities detected
13	F	4.54	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar - (A), [right] Ribs, Supernumerary lumbar, short - (V), [left] .....Skeletal Head (Rat-G21), No abnormalities detected

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 68

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 59 (Continued...)			
14	F	4.36	
15	F	4.79	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 60 Pregnancy Type: P			
1	F	4.99	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.18	
3	F	5.00	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	M	5.94	
5	M	5.22	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
6	F	4.99	
7	M	4.93	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
8	M	5.25	
9	M	5.30	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 1st to 9th - (A) Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
10	F	4.80	

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 69

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 60 (Continued...)			
11	M	5.41	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
12	F	5.04	
Dam: 61 Pregnancy Type: P			
1	F	5.00	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.13	
3	M	5.34	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	F	5.07	
5	M	5.49	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), Skull Interparietal, Incomplete ossification - (V)
6	F	5.07	
7	F	5.24	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
8	F	5.09	
9	M	5.37	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
10	M	5.34	
11	F	5.02	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
12	M	5.63	
13	F	5.07	.....Skeletal Body (Rat-G21), No abnormalities detected

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 70

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 61 (Continued...)			
			.....Skeletal Head (Rat-G21), Skull Interparietal, Incomplete ossification - (V) Parietal, Incomplete ossification - (V)
Dam: 62 Pregnancy Type: P			
1 !	F	4.66	.....Skeletal Body (Rat-G21), No abnormalities detected .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.24	
3	M	5.10	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.88	
5	M	4.75	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
6	F	4.44	
7	M	4.71	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
8	M	4.60	
9	F	4.71	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
10	M	4.73	
11	M	4.91	.....Skeletal Body (Rat-G21), No abnormalities detected

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 71

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 62 (Continued...)			
12	M	4.84	.....Skeletal Head (Rat-G21), No abnormalities detected
13	M	5.11	.....Skeletal Body (Rat-G21), No abnormalities detected
14	F	4.88	.....Skeletal Head (Rat-G21), No abnormalities detected
Dam: 63 Pregnancy Type: P			
1	F	4.47	.....Skeletal Body (Rat-G21), Ribs Ribs, Thick - (A), [bilateral]
			.....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.48	
3	M	4.55	.....Skeletal Body (Rat-G21), No abnormalities detected
			.....Skeletal Head (Rat-G21), No abnormalities detected
4	F	4.87	
5	M	4.64	.....Skeletal Body (Rat-G21), No abnormalities detected
			.....Skeletal Head (Rat-G21), No abnormalities detected
6	M	5.37	
7	F	4.80	.....Skeletal Body (Rat-G21), No abnormalities detected
			.....Skeletal Head (Rat-G21), No abnormalities detected
8	F	4.71	
9	F	4.51	.....Skeletal Body (Rat-G21), No abnormalities detected
			.....Skeletal Head (Rat-G21), No abnormalities detected
10	M	4.51	
11	M	5.00	.....Skeletal Body (Rat-G21), No abnormalities detected
			.....Skeletal Head (Rat-G21), No abnormalities detected
12	F	2.79	

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 72

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 64 Pregnancy Type: P			
1	F	4.89	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
2	F	4.96	
3	F	4.84	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
4	M	5.29	
5	M	5.19	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
6	M	4.65	
7	F	4.70	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
8	F	4.89	
9	F	5.03	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
10	M	5.23	
13	M	4.84	
14	F	3.95	.....Skeletal Body (Rat-G21), Vertebra Cervical, Incomplete ossification of arch - (A), [4th] Thoracic, Incomplete ossification of centrum, 1st to 9th - (A) Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), Skull Mandible, Fused - (M) Mandible, Misshapen - (A) Mandible, Short - (M) Supraoccipital, Incomplete ossification - (V)

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 73

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 65 Pregnancy Type: P			
1	F	4.64	.....Skeletal Body (Rat-G21), Hindpaw Metatarsal, Unossified, 1st digit - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [right] .....Skeletal Head (Rat-G21), No abnormalities detected
2	M	5.21	
3	F	4.81	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), Skull Hyoid, Incomplete ossification - (A)
4	F	4.80	
5	M	5.12	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [bilateral] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
6	F	4.55	
7	F	4.69	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
8	F	5.17	
9	F	4.68	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 74

20256434

BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 65 (Continued...)			
10	M	4.83	Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
11	M	5.26	.....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
12	M	5.31	
13	F	4.83	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [left] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
14	M	5.12	
15	M	5.26	.....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), No abnormalities detected
16	F	4.82	
17	M	4.68	.....Skeletal Body (Rat-G21), Forepaw Phalanx, Unossified - (A), [left] .....Skeletal Body (Rat-G21), Hindpaw Phalanx, Unossified, proximal 2nd to 5th digits - (V), [bilateral] .....Skeletal Body (Rat-G21), Ribs Ribs, Supernumerary lumbar, short - (V), [bilateral] .....Skeletal Head (Rat-G21), Skull Interparietal, Incomplete ossification - (V)

CONFIDENTIAL

Provantis
 Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11 Page: 75

20256434

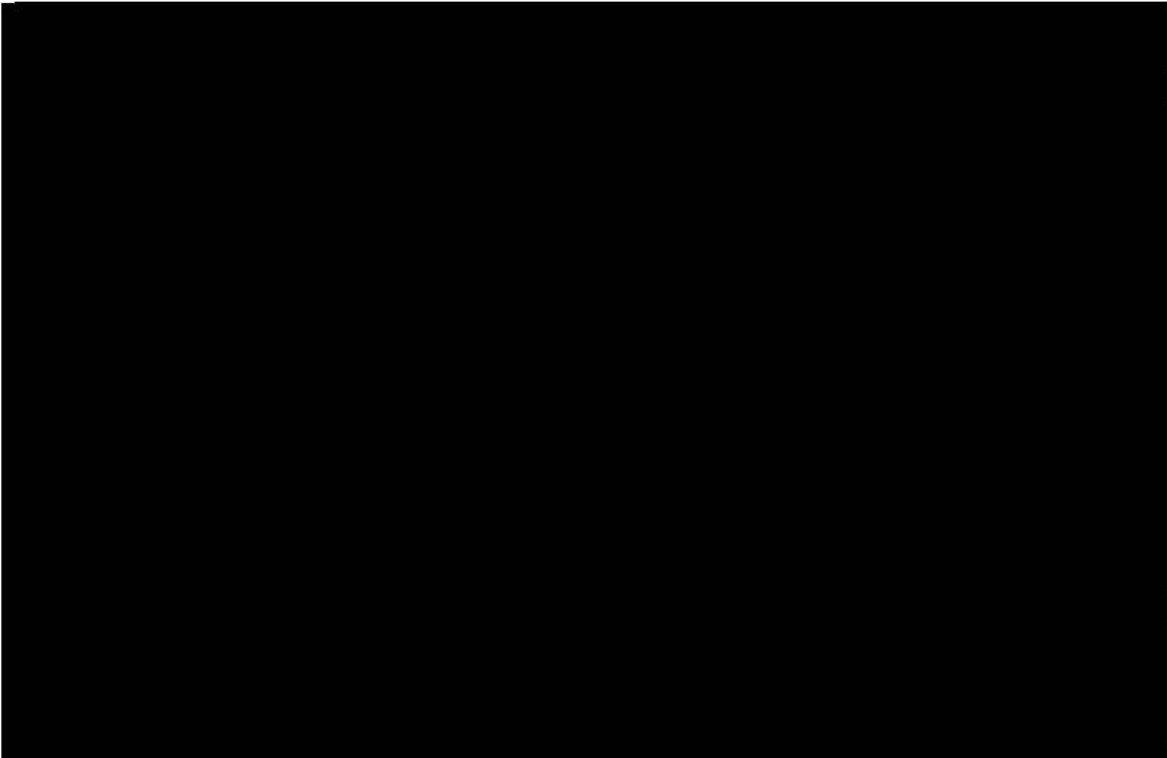
BNT162b2 30mcg	Foetal Sex	Foetal Weight (g)	Findings
Dam: 65 (Continued...)			
			Parietal, Incomplete ossification - (V)
Dam: 66 Pregnancy Type: P			
1	F	5.18	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
2	F	5.62	
4	F	5.49	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
5	F	5.38	
6	M	5.04	.....Skeletal Body (Rat-G21), Vertebra Thoracic, Incomplete ossification of centrum, 10th to 13th. - (A) .....Skeletal Head (Rat-G21), No abnormalities detected
7	M	5.75	
8	F	4.96	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
9	F	5.80	
10	M	5.96	.....Skeletal Body (Rat-G21), No abnormalities detected.....Skeletal Head (Rat-G21), No abnormalities detected
11	M	5.39	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 76

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 77

CONFIDENTIAL

Provantis

07-Dec-2020 11:04:11

Page: 78

Individual Foetal Skeletal Observations

20256434



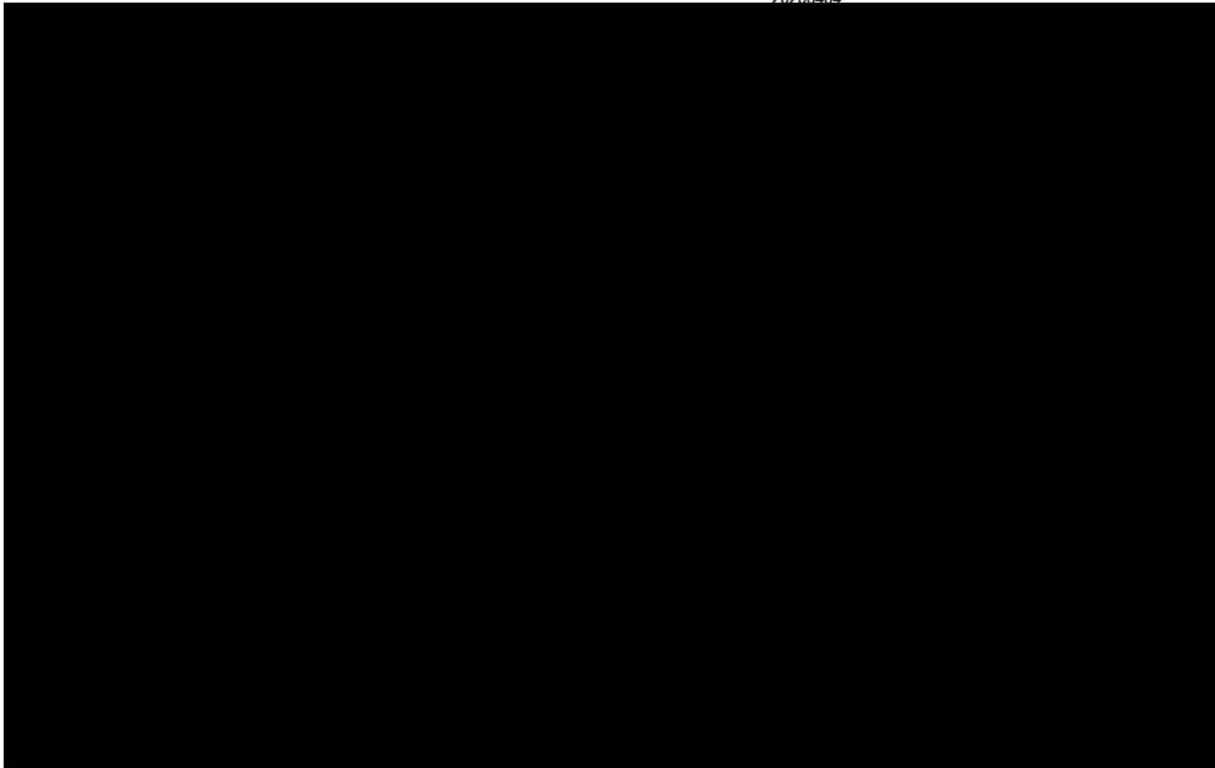
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07-Dec-2020 11:04:11

Page: 79

Individual Foetal Skeletal Observations

20256434

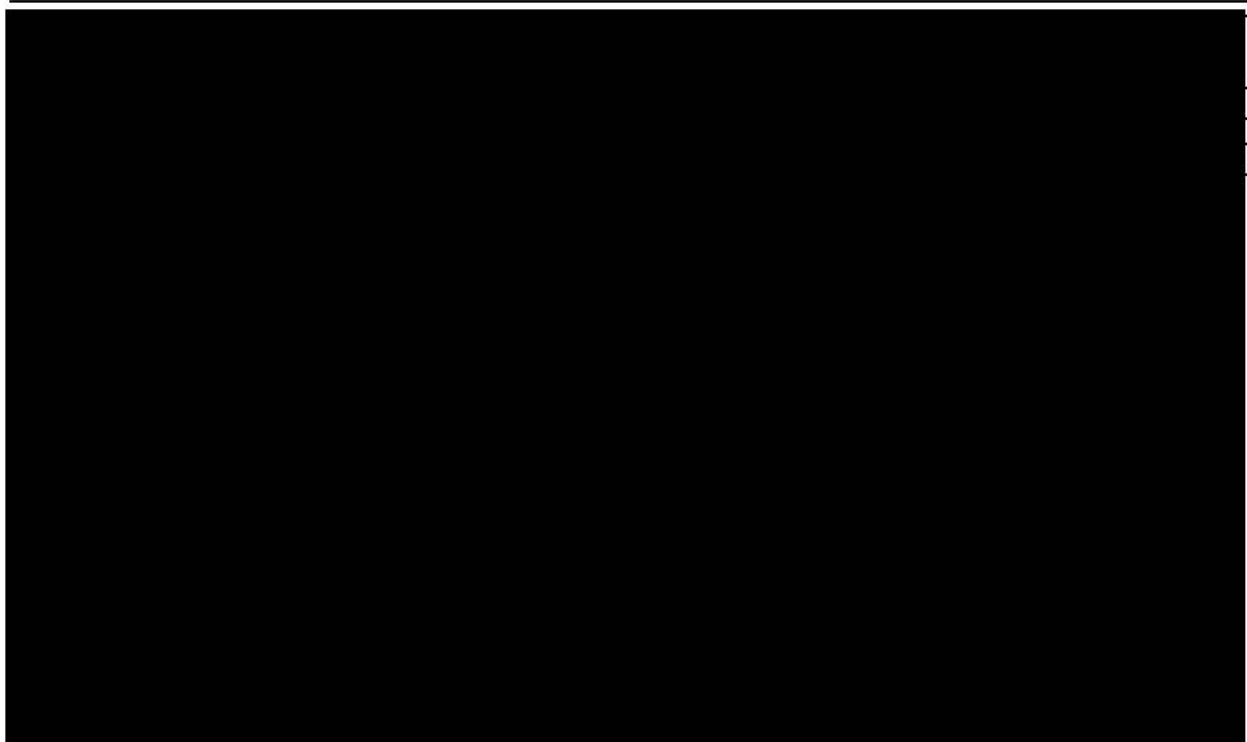
	

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Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 80

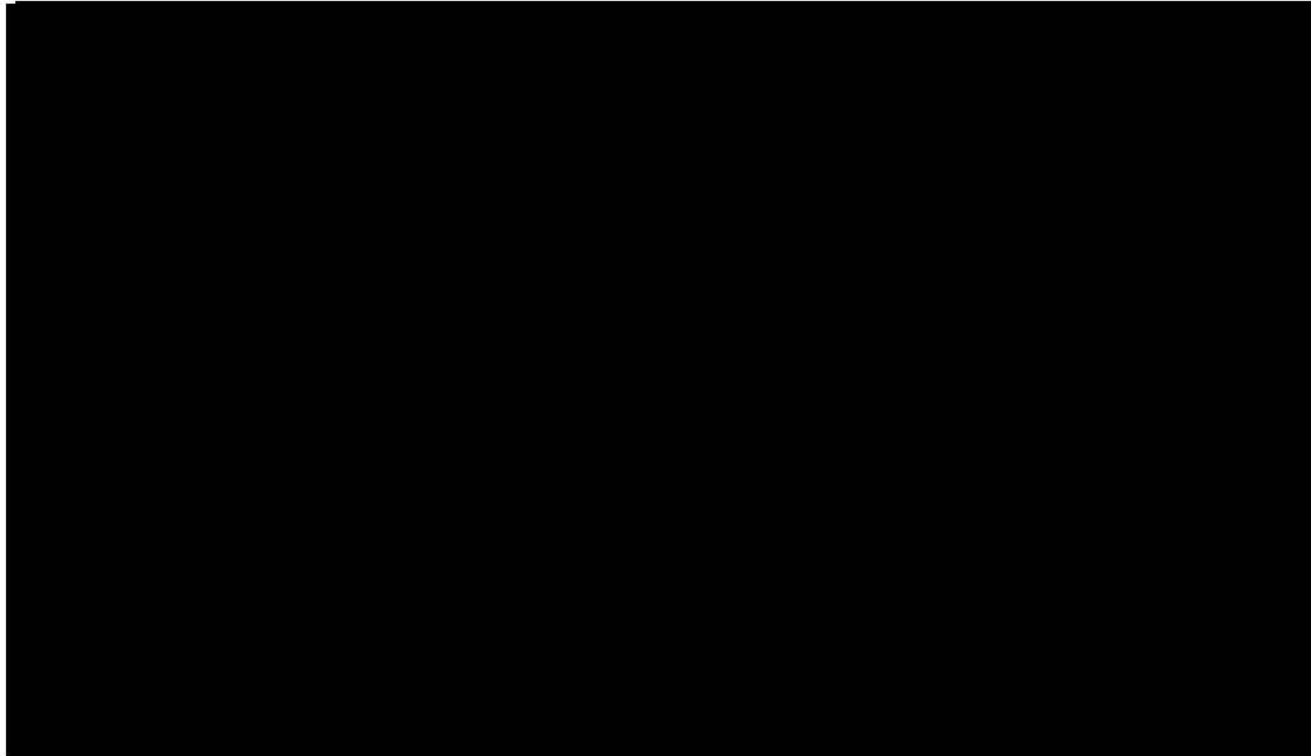
	

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Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 81



CONFIDENTIAL

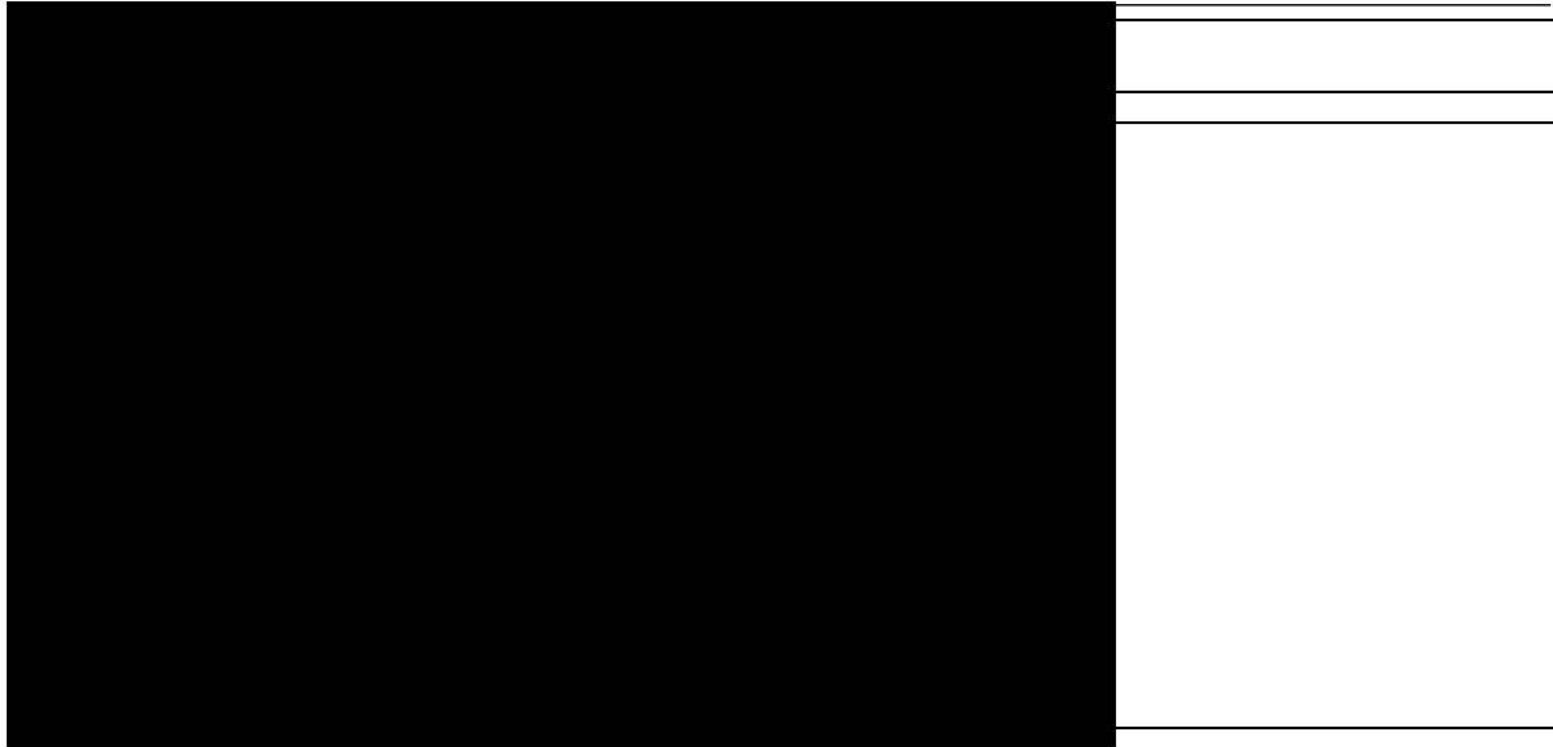
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Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 82

Provantis
Individual Foetal Skeletal Observations
20256434

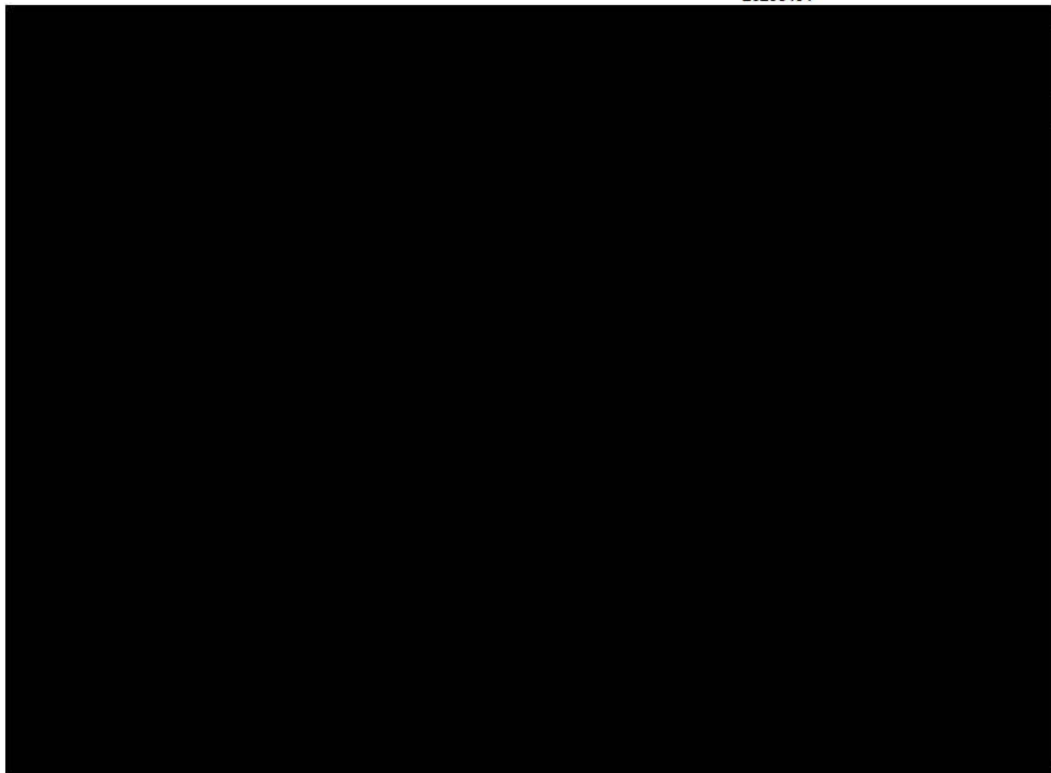
07-Dec-2020 11:04:11 Page: 83



Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 84



Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 85

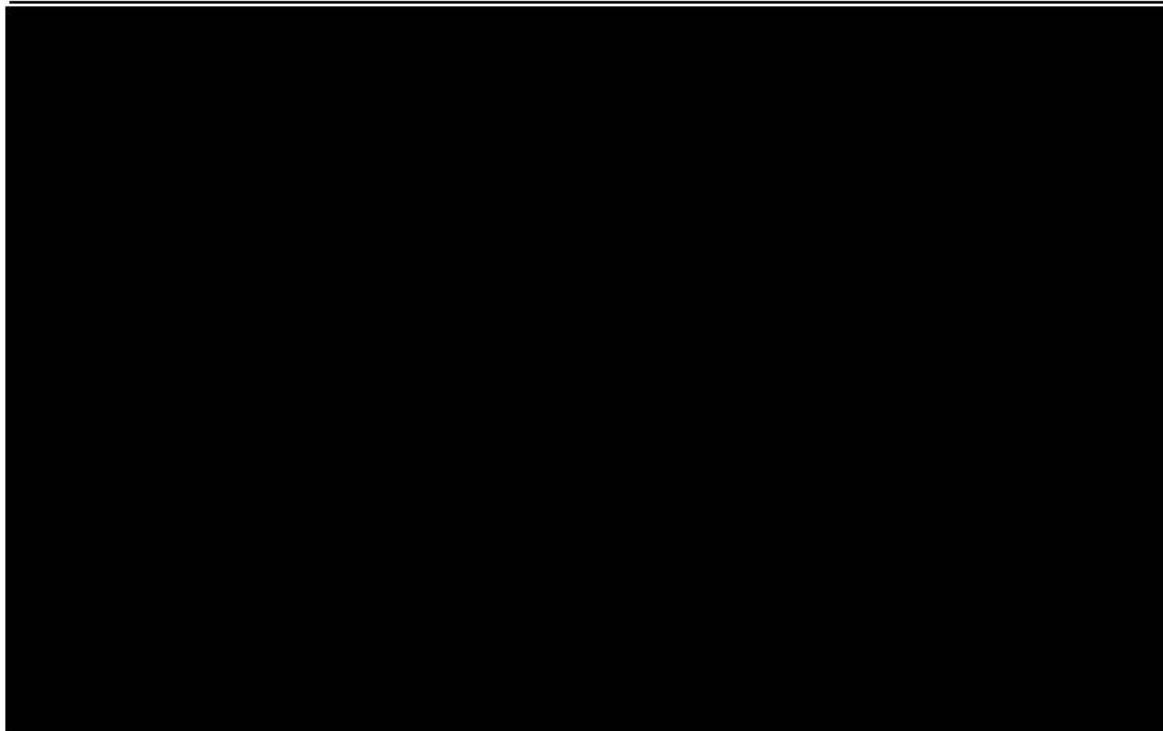
	

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Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 86

CONFIDENTIAL

Provantis

07-Dec-2020 11:04:11

Page: 87

Individual Foetal Skeletal Observations

20256434

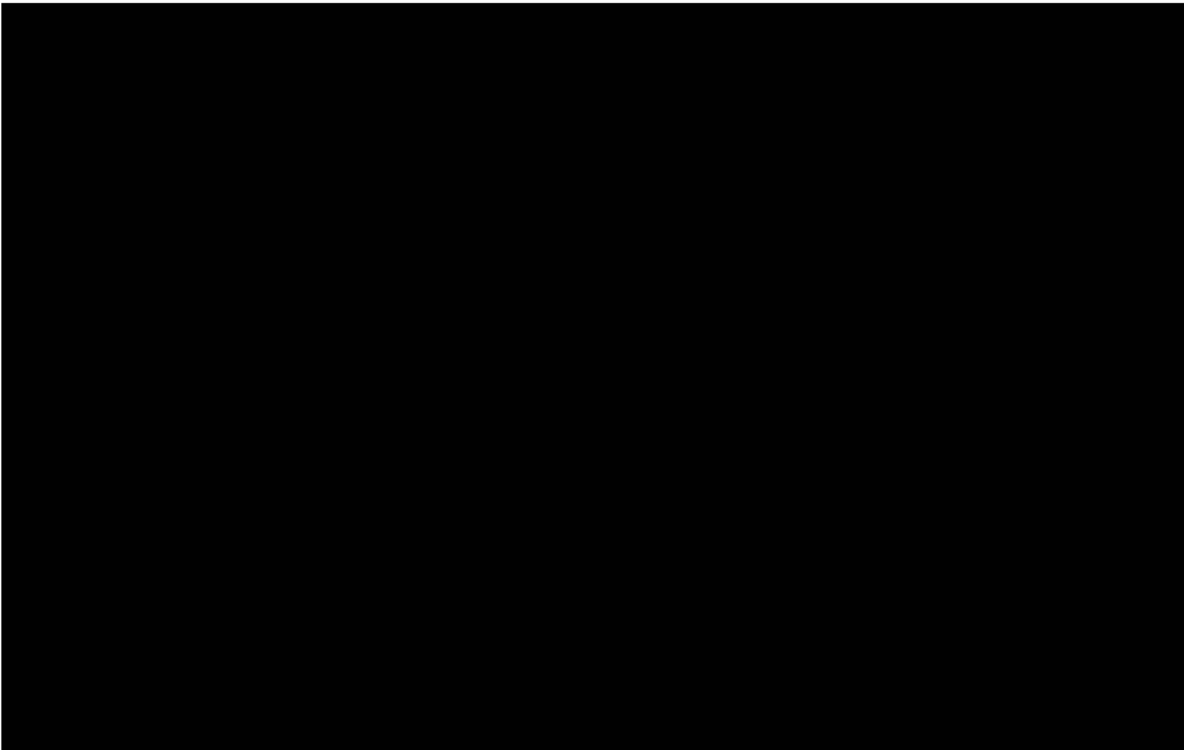
	

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Provantis
Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 88

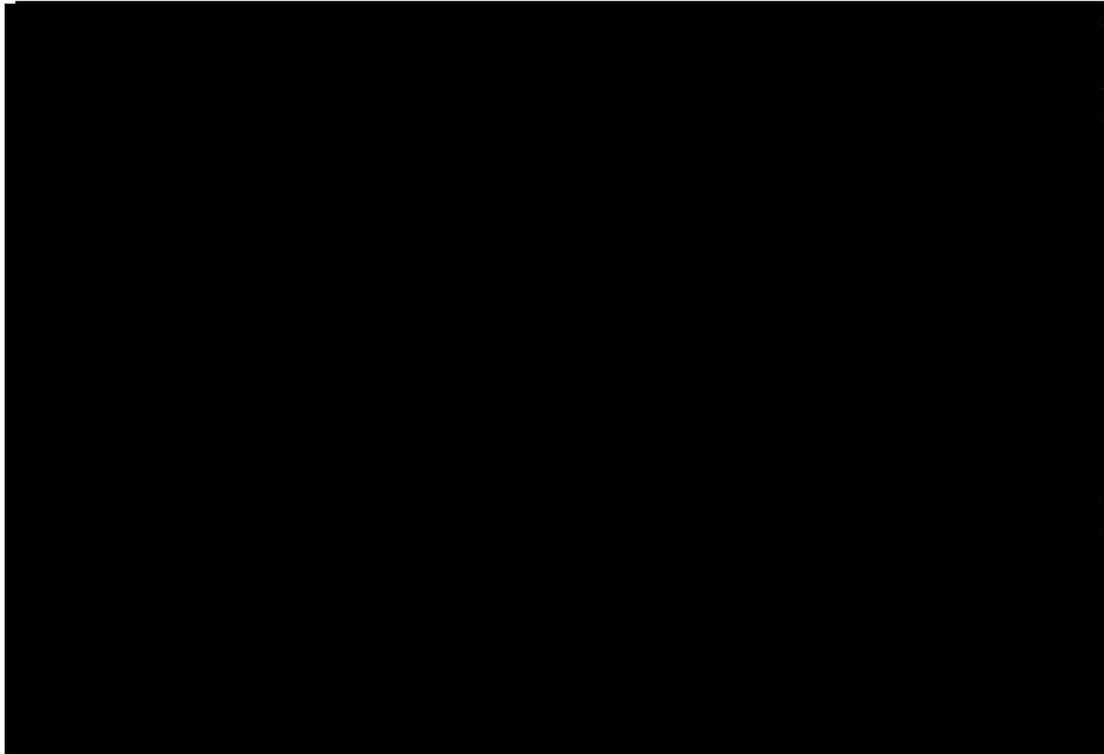


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Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

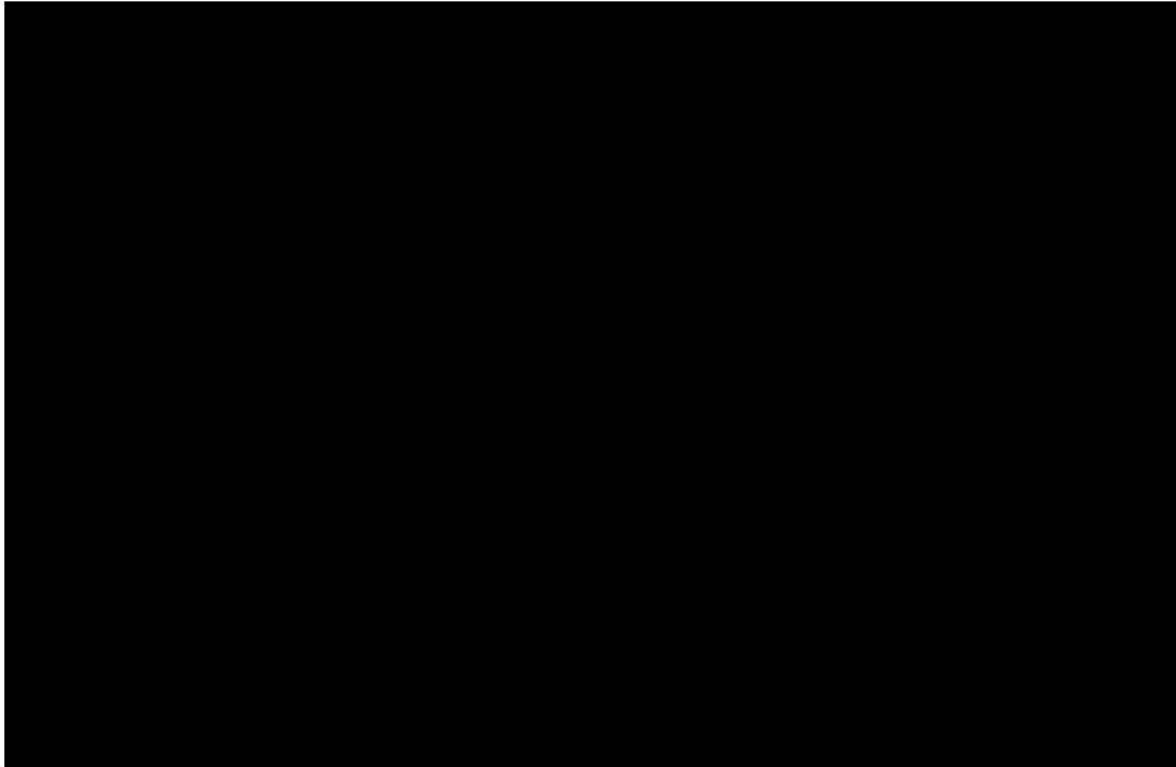
Page: 89

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 90




CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

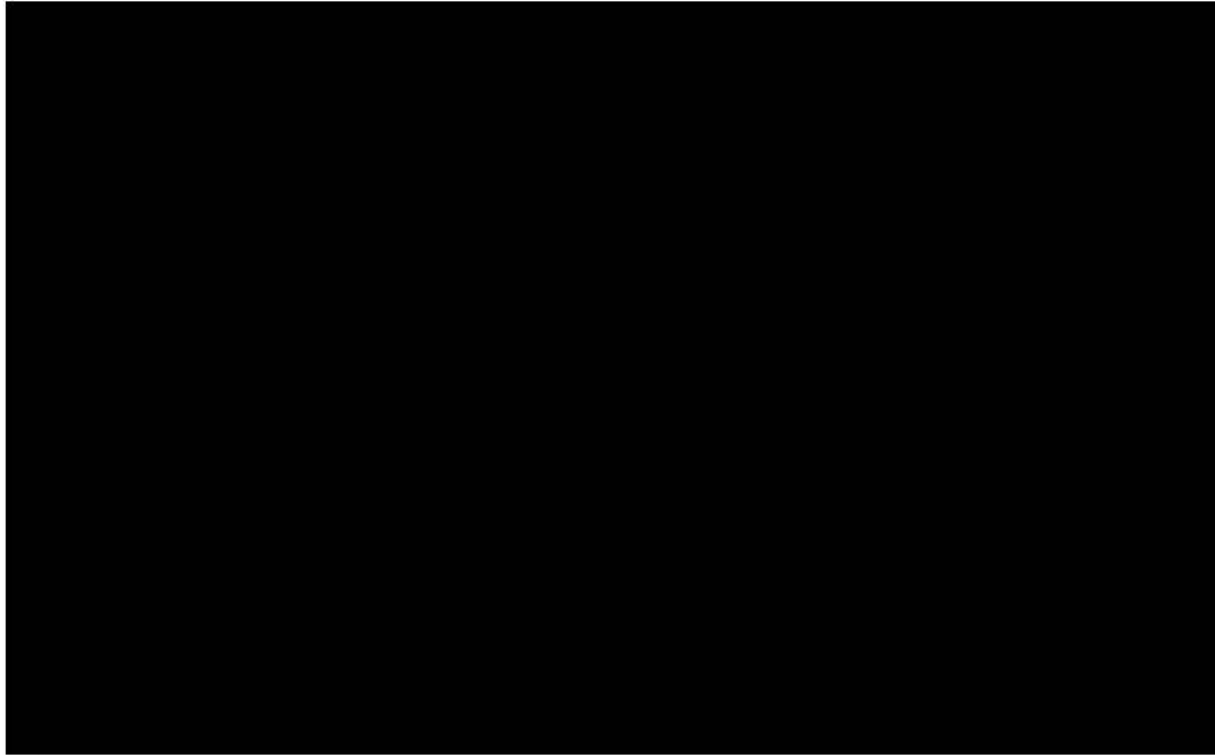
Page: 91

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11


Page: 92

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

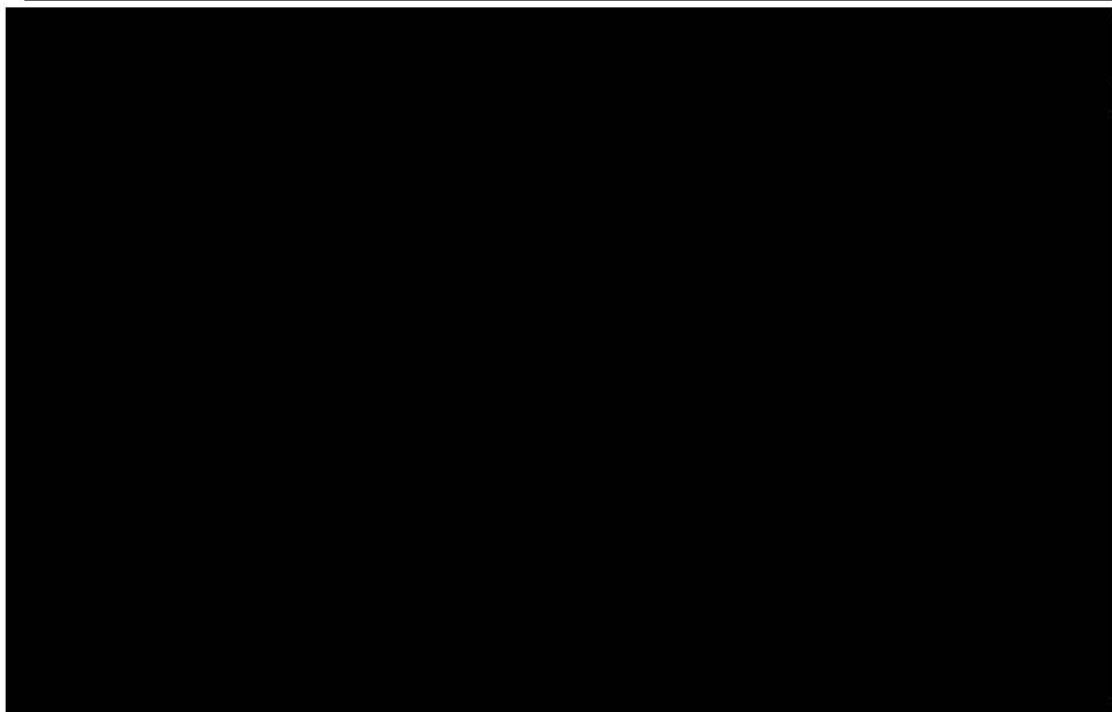
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Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

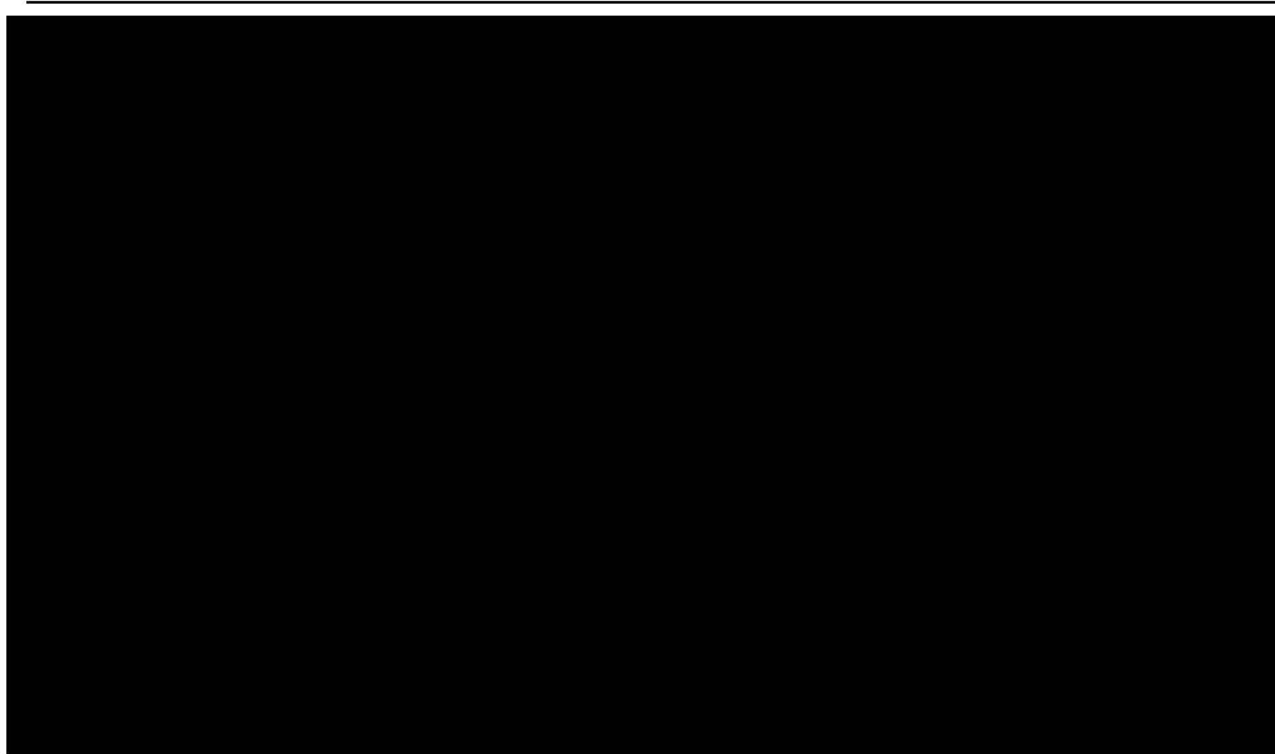
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Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 95

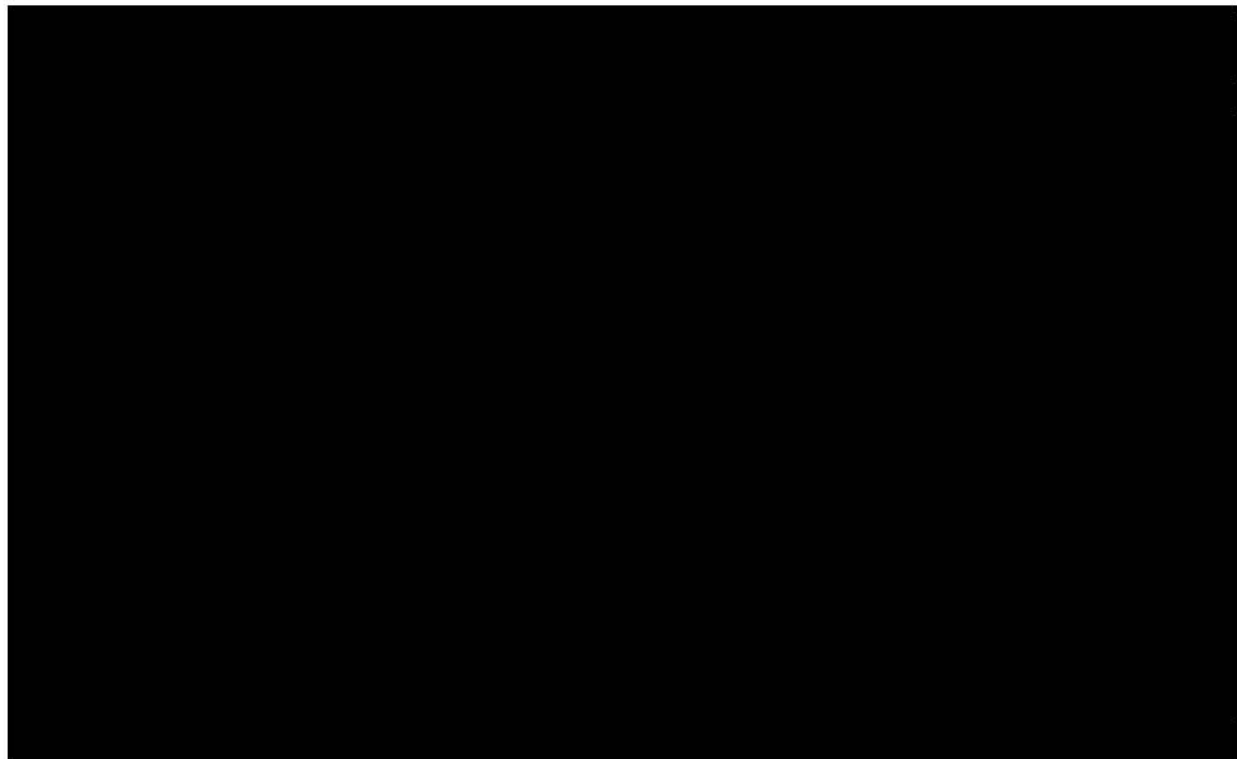
	

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Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 96

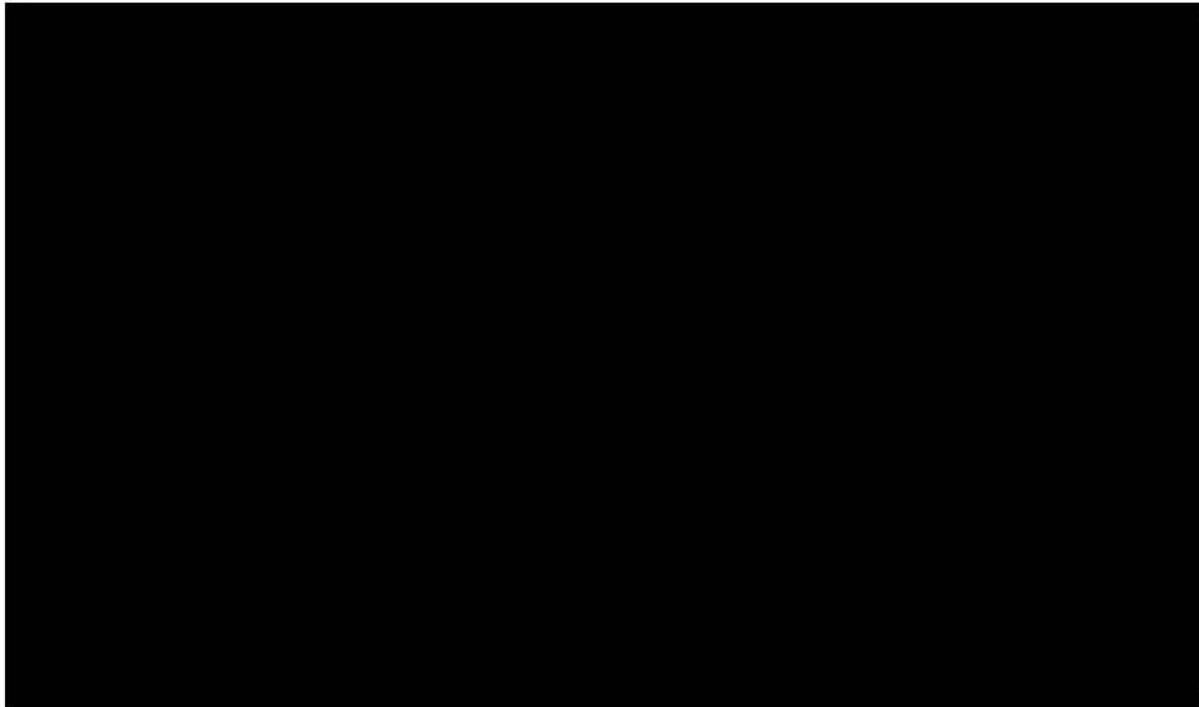
	

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Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 97

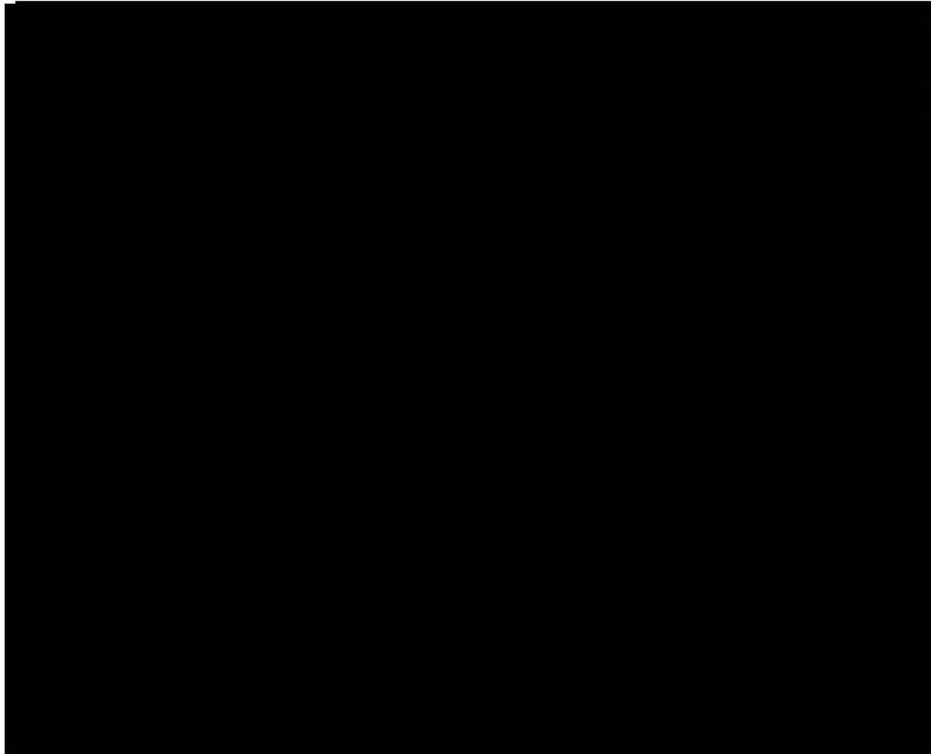
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 98


	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations

07-Dec-2020 11:04:11

Page: 99

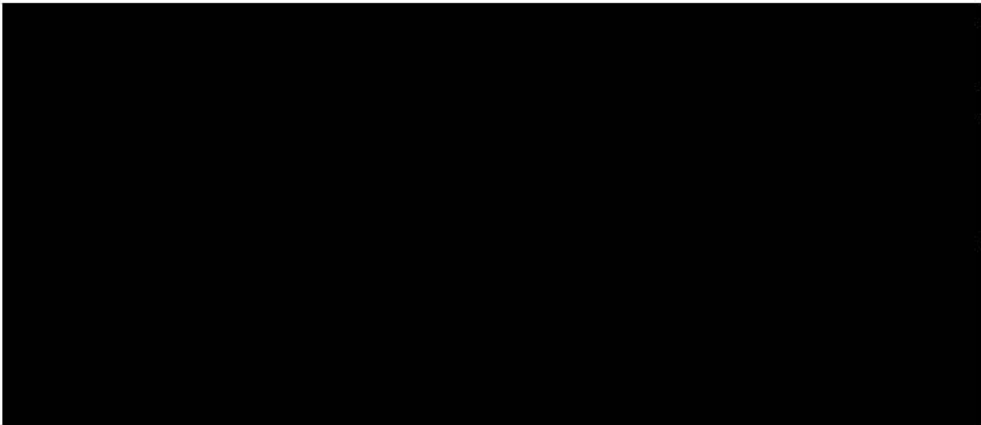
	

CONFIDENTIAL

Provantis
Individual Foetal Skeletal Observations
20256434

07-Dec-2020 11:04:11

Page: 100

Provantis
 Individual Delivery and Litter Data

20-Nov-2020 15:06:52

Page: 1

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Gestation Length (Days)	Implantat site(s)	Pups Delivered	Pre-Birth Loss (%)	Delivered Dead PND 0	Live Pups PND 0	Live Pups PND 1	Live Pups Precull	Live Pups Postcull	Live Pups PND 7	Live Pups PND 10	Live Pups PND 14	Live Pups PND 17	Live Pups PND 21
	-	-	-	-	-	-	-	PND 4	PND 4	-	-	-	-	-
201	22	14	14	0.0	0	14	14	14	8	8	8	8	8	8
202	22	12	10	16.7	0	10	10	10	8	8	8	8	8	8
203	22	14	13	7.1	0	13	13	13	8	8	8	8	8	8
204	23	16	16	0.0	2	14	13	13	8	8	8	8	8	8
205	23	15	14	6.7	3	11	11	11	8	8	8	8	8	8
206	22	16	16	0.0	0	16	16	16	8	8	8	8	8	8
207	22	10	9	10.0	0	9	9	9	8	8	8	8	8	7
208	21	14	13	7.1	0	13	13	13	8	8	8	8	8	8
209	22	13	10	23.1	0	10	10	10	8	8	8	8	8	8
210	23	15	10	33.3	0	10	10	10	8	8	8	8	8	8
211	22	15	13	13.3	0	13	13	13	8	8	8	8	8	8
212	22	20	20	0.0	0	20	19	19	8	8	8	8	8	8
213	22	12	12	0.0	0	12	12	12	8	8	8	8	8	8
214	22	14	13	7.1	0	13	13	13	8	8	8	8	8	8
215	22	13	13	0.0	0	13	13	13	8	8	8	8	8	8
216	22	15	14	6.7	0	14	14	14	8	8	8	8	8	8
217	22	14	14	0.0	1	13	13	13	8	8	8	8	8	8
218	22	10	10	0.0	0	10	10	10	8	8	8	8	8	8

CONFIDENTIAL

Provantis

20-Nov-2020 15:06:52

Page: 2

Individual Delivery and Litter Data

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control Omcg	Gestation Length (Days)	Implantat site(s)	Pups Delivered	Pre-Birth Loss (%)	Delivered Dead PND 0	Live Pups PND 0	Live Pups PND 1	Live Pups Precull	Live Pups Postcull	Live Pups PND 7	Live Pups PND 10	Live Pups PND 14	Live Pups PND 17	Live Pups PND 21
	-	-	-	-	-	-	-	PND 4	PND 4	-	-	-	-	-
219	22	15	14	6.7	0	14	14	14	8	8	8	8	8	8
220	22	15	15	0.0	0	15	15	15	8	8	8	8	8	8
221	22	17	15	11.8	0	15	15	15	8	8	8	8	8	8
222	22	15	15	0.0	0	15	15	14	8	8	8	8	8	8
Mean	22.1	14.3	13.3	6.80	0.3	13.0	13.0	12.9	8.0	8.0	8.0	8.0	8.0	8.0
SD	0.4	2.2	2.5	8.75	0.8	2.5	2.4	2.3	0.0	0.0	0.0	0.0	0.0	0.2
N	22	22	22	22	22	22	22	22	22	22	22	22	22	22
Sum	-	314	293	-	6	287	285	284	176	176	176	176	176	175

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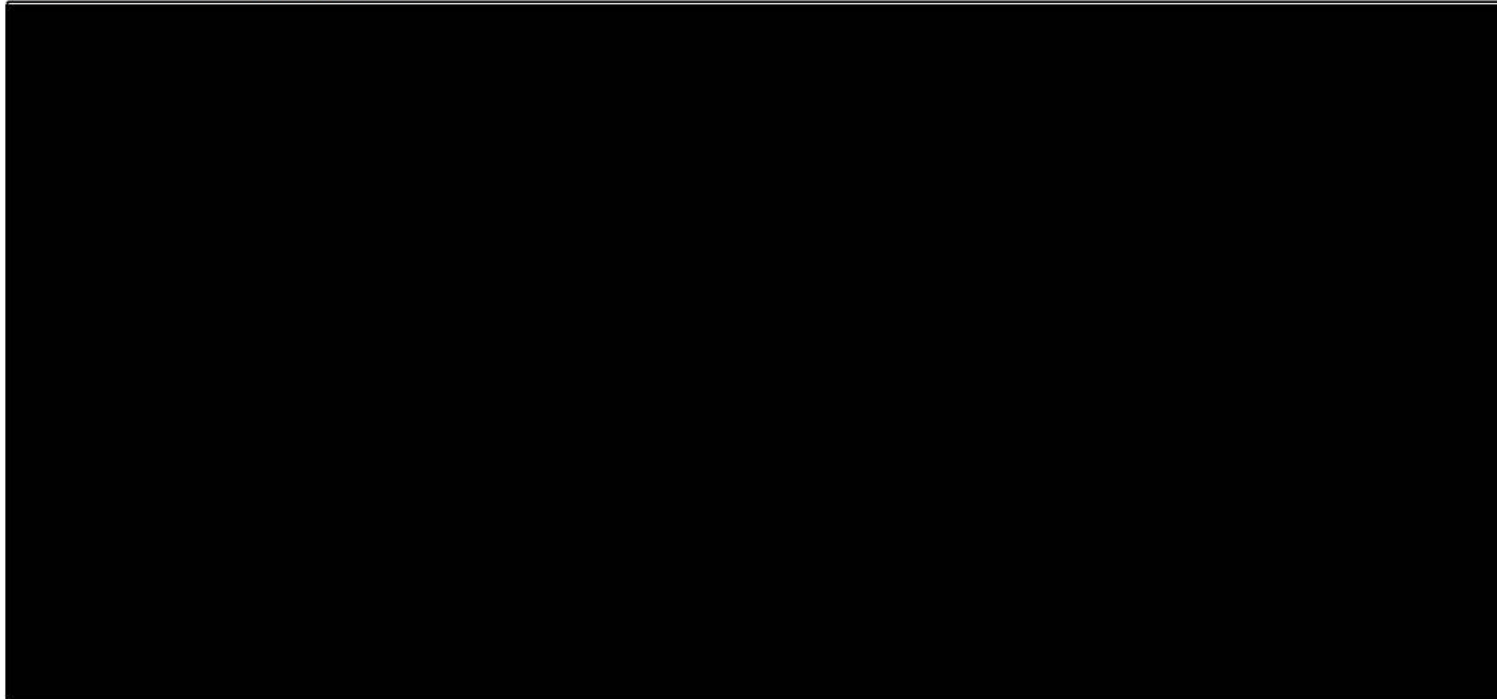
20-Nov-2020 15:06:52

Page: 3

Individual Delivery and Litter Data

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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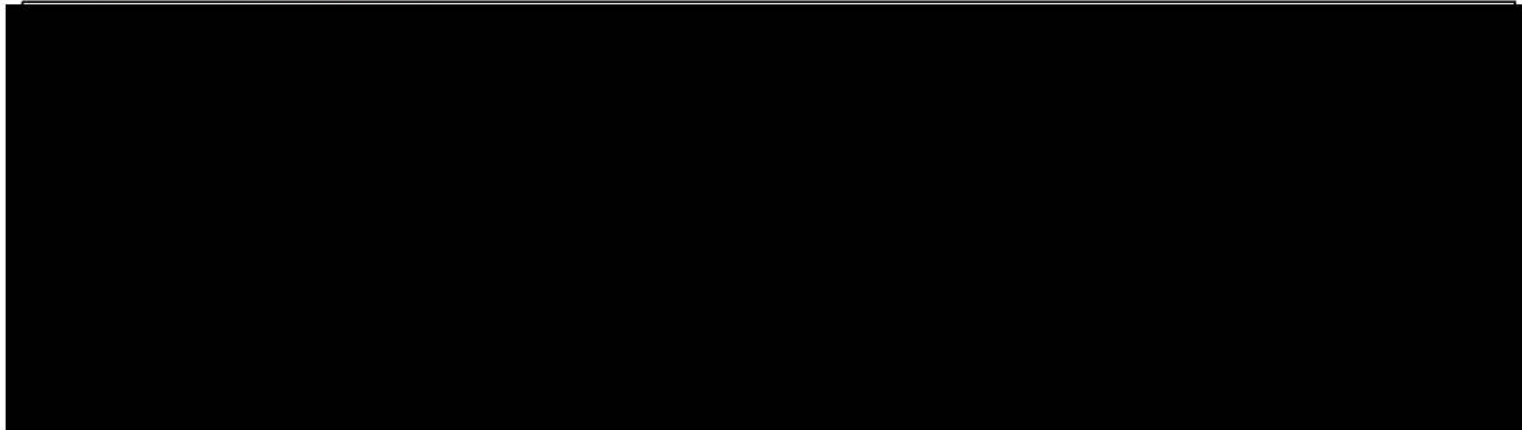
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Page: 4

Individual Delivery and Litter Data

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis
 Individual Delivery and Litter Data

20-Nov-2020 15:06:52

Page: 5

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Gestation Length (Days)	Implantat site(s)	Pups Delivered	Pre-Birth Loss (%)	Delivered Dead PND 0	Live Pups PND 0	Live Pups PND 1	Live Pups Precull	Live Pups Postcull	Live Pups PND 7	Live Pups PND 10	Live Pups PND 14	Live Pups PND 17	Live Pups PND 21
	-	-	-	-	-	-	-	PND 4	PND 4	-	-	-	-	-
245	20	16	16	0.0	0	16	16	16	8	8	8	8	8	8
246	22	12	12	0.0	0	12	12	12	8	8	8	8	8	8
247	22	15	14	6.7	0	14	13	13	8	8	8	8	8	8
248	22	12	11	8.3	0	11	11	11	8	8	8	8	8	8
249	22	18	18	0.0	1	17	17	17	8	8	8	8	8	8
250	22	15	12	20.0	0	12	12	12	8	8	8	8	8	8
251	22	17	17	0.0	0	17	17	16	8	8	8	8	8	8
252	22	12	12	0.0	1	11	11	11	8	8	8	8	8	8
253	22	13	12	7.7	0	12	12	12	8	8	8	8	8	8
254 NP	. E ¹	0 E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹	. E ¹
255	24	10	3	70.0	0	3	3	3	3	3	3	3	3	3
256	22	16	15	6.3	0	15	15	15	8	8	8	8	8	8
257	22	16	15	6.3	0	15	15	15	8	8	8	8	8	8
258	22	15	15	0.0	0	15	15	15	8	8	8	8	8	8
259	22	16	15	6.3	0	15	15	15	8	8	8	8	8	8
260	23	14	13	7.1	0	13	13	13	8	8	8	8	8	8
261	23	11	11	0.0	0	11	11	11	8	8	8	8	8	8
262	22	13	13	0.0	0	13	13	13	8	8	8	8	8	8

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Provantis 20-Nov-2020 15:06:52 Page: 6
 Individual Delivery and Litter Data
 20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Gestation Length (Days)	Implantat site(s)	Pups Delivered	Pre-Birth Loss (%)	Delivered Dead PND 0	Live Pups PND 0	Live Pups PND 1	Live Pups Precull	Live Pups Postcull	Live Pups PND 7	Live Pups PND 10	Live Pups PND 14	Live Pups PND 17	Live Pups PND 21
	-	-	-	-	-	-	-	PND 4	PND 4	-	-	-	-	-
263	21	12	12	0.0	0	12	12	12	8	8	8	8	8	8
264	22	16	13	18.8	0	13	13	13	8	8	8	8	8	8
265	22	16	16	0.0	0	16	16	15	8	8	8	8	8	8
266	22	13	11	15.4	0	11	11	11	8	8	8	8	8	8
Mean	22.0	14.2	13.1	8.22	0.1	13.0	13.0	12.9	7.8	7.8	7.8	7.8	7.8	7.8
SD	0.7	2.2	3.1	15.51	0.3	3.1	3.0	2.9	1.1	1.1	1.1	1.1	1.1	1.1
N	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Sum	-	298	276	-	2	274	273	271	163	163	163	163	163	163

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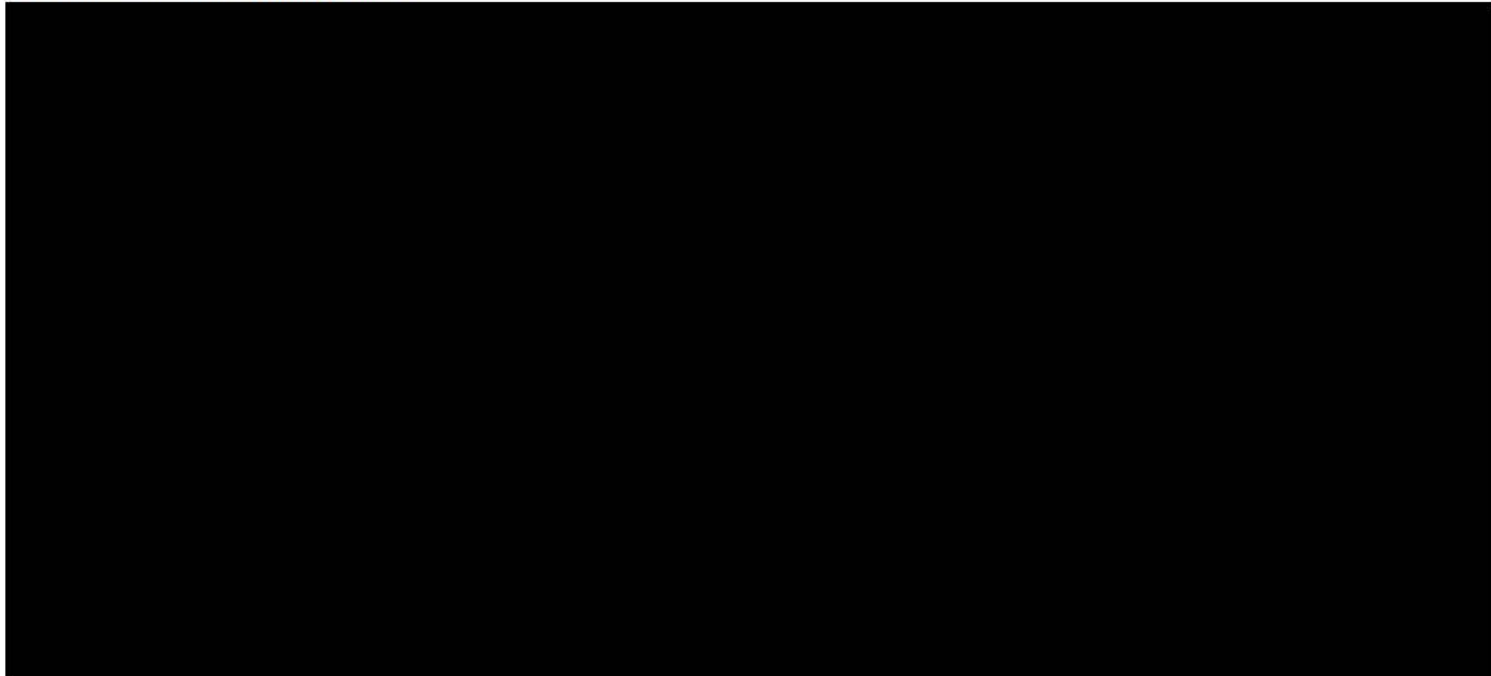
20-Nov-2020 15:06:52

Page: 7

Individual Delivery and Litter Data

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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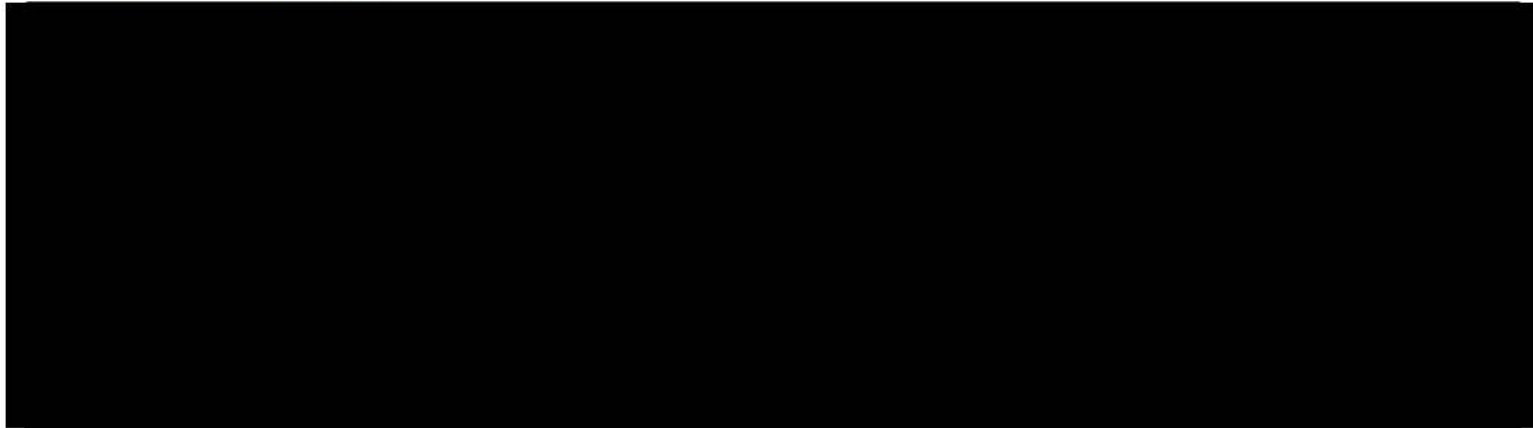
20-Nov-2020 15:06:52

Page: 8

Individual Delivery and Litter Data

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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02-Nov-2020 10:28:26

Page: 1

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
201	Male	P1	5.7	5.3	5.3	5.6	6.2	6.0	5.8	.	.	.	.	.	.
		P4pr	9.0	9.3	8.9	8.8	9.4	9.6	8.1	.	.	.	.	.	.
		P4po	9.3	9.3	.	8.8	9.4	9.6	.	.	.	.	.	.	.
		P7	15.6	15.6	.	15.9	15.2	15.7	.	.	.	.	.	.	.
		P10	22.7	22.6	.	23.0	22.5	22.6	.	.	.	.	.	.	.
		P14	32.0	32.2	.	32.0	32.2	31.7	.	.	.	.	.	.	.
		P17	39.1	39.0	.	39.5	38.7	39.2	.	.	.	.	.	.	.
	P21	53.9	55.2	.	52.7	54.4	53.2	.	.	.	.	.	.	.
	Female	P1	5.6	5.4	5.8	5.4	5.7	5.4	5.6	5.5	5.6	.	.	.	.
		P4pr	8.9	8.8	8.3	9.0	8.9	9.0	9.0	9.2	9.1	.	.	.	.
		P4po	9.1	.	.	.	8.9	9.0	.	9.2	9.1	.	.	.	.
		P7	15.1	.	.	.	15.1	15.7	.	14.8	14.7	.	.	.	.
		P10	22.2	.	.	.	22.8	21.7	.	22.2	21.9	.	.	.	.
		P14	31.4	.	.	.	32.2	31.5	.	30.7	31.2	.	.	.	.
P17		38.0	.	.	.	38.0	36.8	.	39.4	37.6	.	.	.	.
P21	52.5	.	.	.	51.4	52.9	.	53.5	52.2	.	.	.	.
202	Male	P1	7.8	7.8	7.9	7.8	.	.	.	.	.	.	.	.
		P4pr	10.4	10.6	10.4	10.3	.	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26

Page: 2

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg																
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12	
202	Male	P4po	10.4	10.6	10.4	10.3	.	.	.	.	.	.	.	.	.	.
		P7	16.4	16.4	16.0	16.7	.	.	.	.	.	.	.	.	.	.
		P10	23.3	23.4	22.7	23.9	.	.	.	.	.	.	.	.	.	.
		P14	33.7	33.0	34.1	33.9	.	.	.	.	.	.	.	.	.	.
		P17	41.2	40.7	41.6	41.4	.	.	.	.	.	.	.	.	.	.
	Female	P21	54.3	54.8	54.2	54.0	.	.	.	.	.	.	.	.	.	.
		P1	7.2	7.6	7.2	6.8	6.9	7.3	7.5	7.1	.	.	.	.	.	.
		P4pr	9.8	9.8	9.7	9.6	9.5	9.6	10.4	10.2	.	.	.	.	.	.
		P4po	9.9	.	9.7	9.6	.	9.6	10.4	10.2	.	.	.	.	.	.
		P7	15.6	.	16.2	15.0	.	15.8	15.8	15.0	.	.	.	.	.	.
		P10	22.4	.	23.2	22.8	.	21.5	22.5	21.9	.	.	.	.	.	.
203	Male	P14	32.2	.	33.1	31.1	.	32.7	31.1	32.8	.	.	.	.	.
		P17	39.3	.	38.4	39.7	.	39.2	40.5	38.5	.	.	.	.	.
		P21	51.6	.	51.3	49.5	.	52.4	53.2	51.5	.	.	.	.	.
		P1	6.1	6.3	5.8	6.9	6.0	5.9	5.7	.	.	.	.	.	.
		P4pr	9.6	9.2	10.1	9.8	9.3	9.8	9.5	.	.	.	.	.	.
		P4po	9.6	9.2	10.1	9.8	9.3	.	.	.	.	.	.	.	.
		P7	17.0	17.4	16.4	18.1	16.1	.	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 3

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg																	
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12		
203	Male	P10	24.0	24.5	23.2	25.0	23.1	.	.	.	.	.	.	.	.	.
		P14	34.5	35.7	33.8	35.2	33.3	.	.	.	.	.	.	.	.	.
		P17	42.2	40.8	43.5	43.8	40.6	.	.	.	.	.	.	.	.	.	.
		P21	57.0	59.9	53.7	59.4	54.8	.	.	.	.	.	.	.	.	.	.
	Female	P1	5.8	5.6	5.5	5.5	5.8	5.9	6.2	5.9	.	.	.	.	.	.	.
		P4pr	9.2	9.5	10.1	8.7	9.2	9.2	9.0	8.6	.	.	.	.	.	.	.
		P4po	9.0	9.5	.	8.7	9.2	.	.	8.6	.	.	.	.	.	.	.
		P7	15.8	15.2	.	15.8	15.8	.	.	16.3	.	.	.	.	.	.	.
		P10	22.7	22.7	.	22.0	22.7	.	.	23.4	.	.	.	.	.	.	.
		P14	32.8	32.7	.	32.5	32.6	.	.	33.2	.	.	.	.	.	.	.
204	Male	P17	40.2	41.2	.	40.1	40.0	.	.	39.6	.	.	.	.	.	.
		P21	53.4	54.5	.	53.0	53.1	.	.	53.1	.	.	.	.	.	.
		P1	5.9	5.8	5.8	5.5	5.8	6.1	5.8	5.8	6.4	.	.	.	.	.	.
		P4pr	9.8	9.4	10.3	9.6	9.2	10.3	9.6	9.8	9.8	.	.	.	.	.	.
		P4po	9.5	9.4	.	9.6	9.2	.	.	.	9.8	.	.	.	.	.	.
		P7	15.8	15.5	.	15.3	16.3	.	.	.	16.0	.	.	.	.	.	.
		P10	23.8	23.2	.	23.9	24.3	.	.	.	23.7	.	.	.	.	.	.
		P14	35.1	34.4	.	35.3	35.2	.	.	.	35.4	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 4

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg																
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12	
204	Male	P17	42.1	42.3	.	42.5	42.4	.	.	.	41.3	.	.	.	.
		P21	58.4	57.3	.	58.3	57.0	.	.	.	60.8	.	.	.	.
	Female	P1	5.6	5.5	6.0	5.4	5.6	5.3
		P4pr	9.8	10.1	9.5	9.6	10.1	9.7
		P4po	9.8	10.1	9.5	9.6	10.1
		P7	16.1	16.3	15.9	15.9	16.2
		P10	24.4	25.1	24.0	24.3	24.2
		P14	36.0	35.3	35.5	35.9	37.1
		P17	43.0	42.2	43.3	42.5	44.1
		P21	57.9	57.0	58.6	58.0	58.0
205	Male	P1	5.1	5.3	5.0	5.0	5.0	.	.	.	.	.	.	.	.
		P4pr	8.5	8.6	8.4	9.0	8.0	.	.	.	.	.	.	.	.
		P4po	8.5	8.6	8.4	9.0	8.0	.	.	.	.	.	.	.	.
		P7	14.6	13.7	14.6	15.5	14.4	.	.	.	.	.	.	.	.
		P10	21.6	23.0	21.5	21.4	20.6	.	.	.	.	.	.	.	.
		P14	32.2	31.8	34.3	30.6	32.2	.	.	.	.	.	.	.	.
		P17	39.3	41.1	39.0	37.7	39.3	.	.	.	.	.	.	.	.
		P21	53.9	51.5	56.9	54.2	53.0	.	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 5

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
205	Female	P1	4.4	4.5	4.5	4.7	4.0	4.3	4.7	4.3	.	.	.	.	.
		P4pr	8.0	7.9	8.0	8.7	8.0	7.1	8.1	7.9	.	.	.	.	.
		P4po	8.0	.	8.0	8.7	.	7.1	8.1	.	.	.	.	.	.
		P7	13.5	.	13.2	13.6	.	15.0	12.2	.	.	.	.	.	.
		P10	20.3	.	19.9	22.2	.	19.9	19.1	.	.	.	.	.	.
		P14	30.6	.	30.7	29.9	.	29.5	32.3	.	.	.	.	.	.
		P17	37.6	.	36.9	36.7	.	36.9	40.0	.	.	.	.	.	.
		P21	52.1	.	51.2	49.3	.	55.1	52.6	.	.	.	.	.	.
206	Male	P1	5.6	5.5	5.9	5.8	5.6	5.5	6.1	5.8	6.0	5.7	4.9	5.2	.
		P4pr	8.3	8.0	8.6	7.7	8.9	8.0	8.8	9.0	8.6	8.3	6.9	8.1	.
		P4po	8.5	8.0	.	.	8.9	.	8.8	.	.	.	.	8.1	.
		P7	14.9	15.3	.	.	15.2	.	14.5	.	.	.	.	14.6	.
		P10	22.4	21.9	.	.	23.2	.	22.4	.	.	.	.	22.0	.
	Female	P14	32.6	32.7	.	.	33.5	.	32.3	.	.	.	.	31.8	.
		P17	40.1	39.7	.	.	40.4	.	40.9	.	.	.	.	39.2	.
		P21	53.2	53.5	.	.	54.4	.	51.6	.	.	.	.	53.1	.
		P1	5.7	5.8	6.0	5.9	5.1	5.5	.	.	.	.	.	.	.
		P4pr	8.3	7.7	8.2	8.5	8.8	8.2	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26

Page: 6

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
206	Female	P4po	8.4	.	8.2	8.5	8.8	8.2	.	.	.	.	.	.	.
		P7	15.0	.	14.5	14.3	16.1	15.1	.	.	.	.	.	.	.
		P10	22.6	.	23.3	22.1	22.0	23.0	.	.	.	.	.	.	.
		P14	32.5	.	31.9	32.7	33.3	32.2	.	.	.	.	.	.	.
		P17	39.2	.	38.9	38.9	38.9	39.9	.	.	.	.	.	.	.
207	Male	P21	52.2	.	53.0	51.3	51.9	52.6	.	.	.	.	.	.	.
		P1	6.7	6.3	6.6	6.5	7.4	.	.	.	.	.	.	.	.
		P4pr	10.8	10.8	10.4	10.5	11.3	.	.	.	.	.	.	.	.
		P4po	10.8	10.8	10.4	10.5	11.3	.	.	.	.	.	.	.	.
		P7	16.0	15.7	16.0	16.7	15.5	.	.	.	.	.	.	.	.
	Female	P10	22.3	21.8	22.1	22.8	22.4	.	.	.	.	.	.	.	.
		P14	31.4	31.8	31.0	31.7	31.1	.	.	.	.	.	.	.	.
		P17	36.9	37.1	37.5	36.1	36.7	.	.	.	.	.	.	.	.
		P21	50.5	50.6	50.6	50.4	.	.	.	.	.	.	.	.	.
		P1	6.4	6.6	6.6	6.7	5.6	6.6	.	.	.	.	.	.	.
		P4pr	10.3	10.6	10.8	9.2	10.2	10.7	.	.	.	.	.	.	.
		P4po	10.3	10.6	10.8	9.2	.	10.7	.	.	.	.	.	.
		P7	15.5	13.8	16.0	15.9	.	16.1	.	.	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26

Page: 7

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
				207	Female	P10	21.3	21.6	19.8	21.4	.	22.4	.	.	.
		P14	30.1	30.8	31.1	30.3	.	28.2	.	.	.	.	.	.	.
		P17	35.4	35.9	35.5	36.0	.	34.0	.	.	.	.	.	.	.
		P21	47.3	48.1	46.1	46.7	.	48.1	.	.	.	.	.	.	.
208	Male	P1	5.8	5.8	5.9	6.2	6.3	5.9	5.8	4.7	6.0	.	.	.	.
		P4pr	8.2	6.7	8.4	8.2	8.6	9.0	8.3	8.0	8.4	.	.	.	.
		P4po	8.0	6.7	8.4	.	8.6	.	.	.	8.4	.	.	.	.
		P7	14.0	15.0	14.7	.	11.8	.	.	.	14.5	.	.	.	.
		P10	21.1	22.1	22.3	.	21.7	.	.	.	18.1	.	.	.	.
		P14	31.7	32.7	29.4	.	32.3	.	.	.	32.2	.	.	.	.
		P17	38.6	37.9	36.4	.	39.6	.	.	.	40.5	.	.	.	.
		P21	51.4	48.4	52.5	.	51.4	.	.	.	53.3	.	.	.	.
	Female	P1	5.5	5.3	5.6	5.4	5.6	5.5	.	.	.	.	.	.	.
		P4pr	7.6	7.7	7.8	7.2	7.5	7.6	.	.	.	.	.	.	.
		P4po	7.6	7.7	7.8	7.2	.	7.6	.	.	.	.	.	.	.
		P7	13.2	13.6	13.7	13.1	.	12.3	.	.	.	.	.	.	.
		P10	19.7	20.0	18.5	20.3	.	20.0	.	.	.	.	.	.	.
		P14	29.5	29.9	28.2	29.1	.	30.7	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 8

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
208	Female	P17	36.9	36.8	35.4	39.9	.	35.3	.	.	.	.	.	.	.
		P21	48.3	46.0	47.2	48.4	.	51.4	.	.	.	.	.	.	.
209	Male	P1	6.3	6.3	6.8	6.4	6.6	5.3	.	.	.	.	.	.	.
		P4pr	9.9	9.9	10.4	10.1	10.3	8.8	.	.	.	.	.	.	.
		P4po	9.8	9.9	10.4	10.1	.	8.8	.	.	.	.	.	.	.
		P7	15.9	16.7	14.6	16.4	.	15.8	.	.	.	.	.	.	.
		P10	21.9	22.1	21.9	20.7	.	22.9	.	.	.	.	.	.	.
	Female	P14	30.1	31.4	28.7	30.2	.	30.2	.	.	.	.	.	.	.
		P17	36.6	37.0	36.3	37.3	.	35.6	.	.	.	.	.	.	.
		P21	46.2	44.8	46.7	47.4	.	46.0	.	.	.	.	.	.	.
		P1	6.2	6.4	6.3	5.8	6.2	6.5	.	.	.	.	.	.	.
		P4pr	9.9	9.3	9.7	10.3	10.1	9.9	.	.	.	.	.	.	.
		P4po	9.8	9.3	9.7	10.3	.	9.9	.	.	.	.	.	.	.
	P7	15.6	15.1	15.6	16.5	.	15.3	.	.	.	.	.	.	.
	P10	21.6	22.0	22.6	21.3	.	20.6	.	.	.	.	.	.	.
	P14	29.9	29.4	29.7	31.0	.	29.5	.	.	.	.	.	.	.
	P17	35.7	35.6	37.0	35.3	.	34.8	.	.	.	.	.	.	.
	P21	45.8	45.0	44.5	47.0	.	46.7	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 9

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
			210	Male	P1	8.2	8.3	8.3	7.6	8.0	8.6	8.2	.	.	.
		P4pr	13.0	12.9	13.3	13.2	13.6	12.9	12.0	.	.	.	.	.	.
		P4po	13.3	12.9	13.3	13.2	13.6	.	.	.	.	.	.	.	.
		P7	20.3	20.5	19.8	20.2	20.6	.	.	.	.	.	.	.	.
		P10	28.8	28.6	28.5	28.8	29.3	.	.	.	.	.	.	.	.
		P14	39.8	39.8	40.1	39.7	39.4	.	.	.	.	.	.	.	.
		P17	47.4	46.9	47.1	48.2	47.2	.	.	.	.	.	.	.	.
		P21	65.1	63.9	65.8	66.4	64.4	.	.	.	.	.	.	.	.
	Female	P1	7.9	8.0	7.8	8.4	7.5	.	.	.	.	.	.	.	.
		P4pr	12.7	12.8	12.5	13.0	12.5	.	.	.	.	.	.	.	.
		P4po	12.7	12.8	12.5	13.0	12.5	.	.	.	.	.	.	.	.
		P7	19.7	19.8	19.5	20.2	19.2	.	.	.	.	.	.	.	.
		P10	27.7	28.4	27.0	27.9	27.5	.	.	.	.	.	.	.	.
		P14	38.7	39.0	38.3	39.9	37.7	.	.	.	.	.	.	.	.
		P17	45.9	45.2	45.4	46.1	46.7	.	.	.	.	.	.	.	.
		P21	63.7	63.5	65.1	63.2	62.8	.	.	.	.	.	.	.	.
211	Male	P1	6.4	6.3	6.4	6.6	6.6	6.7	6.0	6.2	6.2	.	.	.	.
		P4pr	10.1	10.2	10.2	9.4	10.4	10.1	10.0	10.5	9.9	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 10

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
211	Male	P4po	10.2	10.2	10.2	.	10.4	.	.	.	9.9	.	.	.	.
		P7	17.0	17.1	16.5	.	17.2	.	.	.	17.2	.	.	.	.
		P10	24.9	24.7	25.1	.	25.1	.	.	.	24.6	.	.	.	.
		P14	36.1	35.7	35.3	.	36.8	.	.	.	36.5	.	.	.	.
		P17	43.1	44.0	42.8	.	42.6	.	.	.	43.1	.	.	.	.
	Female	P21	56.6	57.3	56.1	.	54.7	.	.	.	58.2	.	.	.	.
		P1	6.1	5.9	6.1	5.9	5.8	6.6	.	.	.	.	.	.	.
		P4pr	9.8	9.9	9.1	10.3	10.1	9.6	.	.	.	.	.	.	.
		P4po	9.7	9.9	9.1	10.3	.	9.6	.	.	.	.	.	.	.
		P7	16.2	16.4	16.5	15.3	.	16.4	.	.	.	.	.	.	.
		P10	24.0	25.0	24.0	24.2	.	22.7	.	.	.	.	.	.	.
212	Male	P14	34.9	33.9	35.7	34.9	.	35.0	.	.	.	.	.	.
		P17	41.7	39.5	42.4	41.6	.	43.1	.	.	.	.	.	.
		P21	54.1	51.9	54.3	55.8	.	54.2	.	.	.	.	.	.
		P1	4.4	4.3	4.4	4.2	4.8	4.5	4.4	4.1	4.6	4.4	.	.	
		P4pr	7.1	7.8	7.2	6.5	7.2	7.4	6.7	7.9	6.5	6.3	.	.	
		P4po	7.0	.	7.2	6.5	.	7.4	6.7	.	.	.	.	.
P7	11.6	.	12.7	11.9	.	11.0	10.8	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 11

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg																	
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12		
212	Male	P10	19.7	.	21.0	20.3	.	18.9	18.5	.	.	.	.	.	.
		P14	31.4	.	33.1	32.1	.	30.6	29.7	.	.	.	.	.	.
		P17	38.7	.	40.3	38.3	.	39.5	36.7	.	.	.	.	.	.
		P21	52.3	.	53.0	53.9	.	53.4	48.7	.	.	.	.	.	.
	Female	P1	4.2	4.5	4.2	4.4	3.2	4.6	4.4	4.7	4.1	3.5	4.6	.	.		
		P4pr	7.2	6.3	6.6	6.0	7.9	7.4	7.6	7.9	7.6	8.0	7.0	.	.		
		P4po	7.1	.	.	6.0	7.9	7.4	.	.	.	.	7.0	.	.
		P7	12.2	.	.	13.6	12.5	10.0	.	.	.	.	12.8	.	.
		P10	20.6	.	.	21.0	17.8	21.3	.	.	.	.	22.2	.	.
		P14	32.3	.	.	33.4	28.8	34.0	.	.	.	.	33.0	.	.
		P17	38.9	.	.	40.6	40.1	35.3	.	.	.	.	39.7	.	.
		P21	52.5	.	.	55.2	54.1	53.7	.	.	.	.	46.8	.	.
		213	Male	P1	6.3	6.6	6.3	6.8	5.8	6.5	6.1	6.3	6.3
				P4pr	9.9	9.6	9.4	9.9	10.3	10.7	10.4	8.8	10.0
P4po	10.3			.	.	9.9	.	10.7	10.4	.	10.0	.	.	.	.
P7	16.6			.	.	16.1	.	17.5	16.9	.	15.9	.	.	.	.
P10	24.6			.	.	26.0	.	23.7	24.9	.	23.7	.	.	.	.
P14	34.7			.	.	33.4	.	36.4	33.4	.	35.4	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26

Page: 12

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg																
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12	
213	Male	P17	42.0	.	.	43.2	.	40.6	44.4	.	39.7	.	.	.	.
		P21	56.2	.	.	58.5	.	53.4	57.2	.	55.5	.	.	.	.
	Female	P1	6.2	6.2	5.8	6.2	6.7	.	.	.	.	.	.	.	.	.
		P4pr	9.8	9.8	9.9	9.8	9.6	.	.	.	.	.	.	.	.	.
		P4po	9.8	9.8	9.9	9.8	9.6	.	.	.	.	.	.	.	.	.
		P7	15.8	15.8	15.6	16.6	15.3	.	.	.	.	.	.	.	.	.
		P10	23.7	23.1	23.2	25.1	23.4	.	.	.	.	.	.	.	.	.
		P14	33.5	33.2	32.7	34.6	33.6	.	.	.	.	.	.	.	.	.
		P17	40.6	40.7	41.4	40.2	40.0	.	.	.	.	.	.	.	.	.
		P21	53.2	51.4	53.2	52.2	55.8	.	.	.	.	.	.	.	.	.
214	Male	P1	5.7	5.8	5.4	5.9	5.7	.	.	.	.	.	.	.	.	.
		P4pr	8.7	8.8	8.5	8.5	8.9	.	.	.	.	.	.	.	.	.
		P4po	8.7	8.8	8.5	8.5	8.9	.	.	.	.	.	.	.	.	.
		P7	15.1	14.3	15.6	15.2	15.1	.	.	.	.	.	.	.	.	.
		P10	22.9	23.8	21.7	22.9	23.2
		P14	32.9	33.5	32.4	31.7	34.0
		P17	40.5	39.3	41.5	39.6	41.4
		P21	55.2	55.1	56.1	53.8	55.7

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Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26

Page: 13

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
			214	Female	P1	5.6	5.3	5.6	5.8	5.7	5.4	5.7	5.7	5.7	5.5
		P4pr	8.6	8.8	8.7	8.7	8.1	8.5	8.3	8.5	8.9	8.6	.	.	.
		P4po	8.7	8.8	.	8.7	.	8.5	.	.	.	8.6	.	.	.
		P7	14.6	14.6	.	14.6	.	14.6	.	.	.	14.4	.	.	.
		P10	22.3	22.5	.	22.1	.	21.8	.	.	.	22.7	.	.	.
		P14	32.5	32.9	.	31.5	.	32.5	.	.	.	32.9	.	.	.
		P17	39.2	38.0	.	40.7	.	39.3	.	.	.	38.9	.	.	.
		P21	53.1	54.8	.	51.6	.	53.4	.	.	.	52.6	.	.	.
215	Male	P1	7.0	7.3	7.7	6.7	6.5	6.1	7.3	6.9	7.1	.	.	.	.
		P4pr	10.9	10.4	10.9	11.5	9.8	11.3	11.9	11.1	10.4	.	.	.	.
		P4po	10.4	10.4	10.9	.	9.8	.	.	.	10.4	.	.	.	.
		P7	17.7	17.5	17.2	.	18.3	.	.	.	17.6	.	.	.	.
		P10	25.8	25.8	26.0	.	25.1	.	.	.	26.1	.	.	.	.
		P14	36.7	37.5	37.2	.	35.8	.	.	.	36.4	.	.	.	.
		P17	44.6	45.9	44.5	.	45.4	.	.	.	42.7	.	.	.	.
		P21	58.4	57.4	60.0	.	55.2	.	.	.	61.1	.	.	.	.
	Female	P1	6.5	6.3	6.5	6.4	7.2	6.2	.	.	.	.	.	.	.
		P4pr	10.1	9.6	10.3	10.0	10.1	10.7	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26

Page: 14

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg																
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12	
215	Female	P4po	10.2	9.6	10.3	10.0	.	10.7	.	.	.	.	.	.	.	.
		P7	17.9	19.0	17.7	17.1	.	17.8	.	.	.	.	.	.	.	.
		P10	25.9	25.3	25.1	25.8	.	27.5	.	.	.	.	.	.	.	.
		P14	36.3	38.3	36.5	34.8	.	35.4	.	.	.	.	.	.	.	.
		P17	43.7	43.9	42.1	42.4	.	46.5	.	.	.	.	.	.	.	.
216	Male	P21	56.2	55.2	60.1	54.2	.	55.4	.	.	.	.	.	.	.	.
		P1	6.5	5.0	6.6	6.4	6.2	6.7	7.1	6.8	6.9	.	.	.	.	.
		P4pr	10.3	10.7	11.0	10.1	9.7	10.8	8.9	10.4	11.0	.	.	.	.	.
		P4po	10.7	10.7	11.0	10.1	.	10.8	.	.	.	.	.	.	.	.
		P7	17.8	18.6	18.4	16.5	.	17.8	.	.	.	.	.	.	.	.
	Female	P10	25.7	23.8	25.9	26.7	.	26.4	.	.	.	.	.	.	.	.
		P14	36.3	38.2	36.5	36.3	.	34.2	.	.	.	.	.	.	.	.
		P17	44.9	47.6	44.9	45.3	.	41.9	.	.	.	.	.	.	.	.
		P21	58.8	59.1	55.1	62.3	.	58.7	.	.	.	.	.	.	.	.
		P1	6.5	6.5	6.6	6.5	6.1	6.3	6.8	.	.	.	.	.	.	.
		P4pr	10.3	11.0	10.4	9.7	10.6	9.8	10.0	.	.	.	.	.	.	.
Female	P4po	10.2	.	10.4	.	10.6	9.8	10.0	.	.	.	.	.	.	.
	P7	17.2	.	17.2	.	16.4	16.8	18.4	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 15

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
216	Female	P10	25.2	.	24.8	.	25.1	27.1	23.6	.	.	.	.	.	.
		P14	36.0	.	35.5	.	37.5	35.6	35.4	.	.	.	.	.	.
		P17	43.8	.	43.2	.	43.5	43.3	45.3	.	.	.	.	.	.
		P21	57.2	.	60.3	.	54.1	57.3	57.1	.	.	.	.	.	.
217	Male	P1	5.9	5.6	5.6	5.7	6.6	6.0	.	.	.	.	.	.	.
		P4pr	9.0	8.7	9.5	10.0	7.7	9.0	.	.	.	.	.	.	.
		P4po	8.9	8.7	.	10.0	7.7	9.0	.	.	.	.	.	.	.
		P7	15.1	17.2	.	14.9	13.2	15.2	.	.	.	.	.	.	.
		P10	22.7	23.0	.	25.4	19.8	22.4	.	.	.	.	.	.	.
		P14	32.2	32.9	.	28.5	35.8	31.4	.	.	.	.	.	.	.
		P17	39.6	40.1	.	39.1	43.5	35.7	.	.	.	.	.	.	.
	P21	53.9	60.1	.	53.2	54.8	47.6	.	.	.	.	.	.	.
	Female	P1	5.6	5.4	5.9	4.9	5.9	6.1	5.7	5.9	4.9	.	.	.	.
		P4pr	9.0	9.1	8.6	8.5	8.7	9.4	9.3	9.1	9.5	.	.	.	.
		P4po	9.1	.	.	.	8.7	9.4	9.3	9.1	.	.	.	.	.
		P7	16.3	.	.	.	15.9	16.7	16.5	16.2	.	.	.	.	.
		P10	23.9	.	.	.	24.3	23.9	23.4	24.1	.	.	.	.	.
P14		33.3	.	.	.	32.8	33.0	34.3	33.2	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 16

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
217	Female	P17	40.8	.	.	.	41.8	40.7	40.2	40.3	.	.	.	.	.
		P21	54.8	.	.	.	54.8	55.6	54.3	54.6	.	.	.	.	.
218	Male	P1	6.9	6.8	6.9	6.9	6.9	.	.	.	.	.	.	.	.
		P4pr	11.0	11.2	11.1	10.6	11.1	.	.	.	.	.	.	.	.
		P4po	11.0	11.2	11.1	10.6	11.1	.	.	.	.	.	.	.	.
		P7	17.7	18.1	17.2	17.5	17.8	.	.	.	.	.	.	.	.
		P10	24.6	24.6	24.4	24.5	24.8	.	.	.	.	.	.	.	.
		P14	34.7	34.7	34.3	35.2	34.4	.	.	.	.	.	.	.	.
	Female	P17	41.5	41.2	41.5	41.0	42.4	.	.	.	.	.	.	.	.
		P21	54.5	56.7	54.3	52.0	54.8	.	.	.	.	.	.	.	.
		P1	7.0	7.1	6.4	7.0	6.9	7.0	7.4	.	.	.	.	.	.
		P4pr	11.0	11.1	10.9	9.8	11.4	11.5	11.1	.	.	.	.	.	.
		P4po	10.7	11.1	10.9	9.8	.	.	11.1	.	.	.	.	.	.
		P7	17.1	17.8	17.5	17.4	.	.	15.5	.	.	.	.	.
		P10	24.2	24.9	25.0	24.5	.	.	22.5	.	.	.	.	.
		P14	34.6	35.0	34.9	33.0	.	.	35.6	.	.	.	.	.
		P17	41.6	41.6	41.7	40.3	.	.	42.9	.	.	.	.	.
		P21	55.0	52.6	54.7	57.0	.	.	55.7	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 17

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
219	Male	P1	5.8	5.9	5.8	6.2	5.5	6.2	5.2	5.6	.	.	.	.	.
		P4pr	9.0	8.6	9.8	9.8	9.0	8.0	8.4	9.4	.	.	.	.	.
		P4po	8.6	8.6	.	.	.	8.0	8.4	9.4	.	.	.	.	.
		P7	14.9	15.0	.	.	.	15.1	13.6	15.8	.	.	.	.	.
		P10	23.3	24.8	.	.	.	20.9	23.8	23.5	.	.	.	.	.
		P14	35.2	37.0	.	.	.	34.4	36.7	32.8	.	.	.	.	.
		P17	43.4	45.6	.	.	.	44.8	42.9	40.2	.	.	.	.	.
	P21	57.0	57.2	.	.	.	59.8	53.1	57.9	.	.	.	.	.
	Female	P1	5.7	6.1	5.7	5.6	5.6	5.7	5.9	5.1	.	.	.	.	.
		P4pr	8.8	9.0	9.7	8.5	9.2	7.3	8.5	9.2	.	.	.	.	.
		P4po	9.0	.	9.7	8.5	9.2	.	8.5	.	.	.	.	.	.
		P7	15.5	.	16.1	15.9	15.3	.	14.5	.	.	.	.	.	.
		P10	24.0	.	24.3	25.3	22.7	.	23.6	.	.	.	.	.	.
		P14	35.1	.	35.1	37.0	35.1	.	33.1	.	.	.	.	.	.
P17		43.1	.	43.0	43.2	44.5	.	41.8	.	.	.	.	.	.
220	Male	P21	56.6	.	56.2	54.4	56.5	.	59.3	.	.	.	.	.
		P1	6.3	6.5	6.4	6.7	6.3	6.0	6.2	6.2	6.3	.	.	.	
		P4pr	9.9	9.8	9.6	11.1	9.2	9.2	10.6	10.0	9.9	.	.	.	

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 18

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
220	Male	P4po	10.4	.	.	11.1	.	.	10.6	10.0	9.9	.	.	.	.
		P7	16.7	.	.	17.2	.	.	16.6	17.3	15.7	.	.	.	.
		P10	25.3	.	.	25.8	.	.	26.2	23.6	25.4	.	.	.	.
		P14	37.2	.	.	35.6	.	.	37.9	37.4	38.0	.	.	.	.
		P17	44.8	.	.	46.4	.	.	43.7	45.1	44.1	.	.	.	.
		P21	57.6	.	.	55.0	.	.	58.8	56.7	60.0	.	.	.	.
	Female	P1	6.1	6.5	5.8	6.1	6.2	6.1	6.5	5.6	.	.	.	.	.
		P4pr	9.4	10.1	9.9	9.1	9.0	8.0	9.7	9.8	.	.	.	.	.
		P4po	9.5	10.1	.	9.1	9.0	.	.	9.8	.	.	.	.	.
		P7	15.1	14.5	.	15.4	15.7	.	.	14.8	.	.	.	.	.
		P10	23.5	23.8	.	24.5	22.9	.	.	22.9	.	.	.	.	.
221	Male	P14	35.3	34.6	.	34.4	35.0	.	.	37.1	.	.	.	.	.
		P17	42.6	41.5	.	45.5	41.5	.	.	41.7	.	.	.	.	.
		P21	54.9	54.1	.	58.8	52.9	.	.	53.9	.	.	.	.	.
		P1	6.7	6.4	7.7	6.3	6.7	6.5	6.3	.	.	.	.	.	.
		P4pr	11.0	10.5	10.0	11.2	10.9	11.8	11.6	.	.	.	.	.	.
		P4po	10.8	10.5	10.0	.	10.9	11.8	.	.	.	.	.	.
		P7	18.4	18.7	17.8	.	19.4	17.8	.	.	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26

Page: 19

20256434

Day(s): - Relative to Littering (Litter: A)

Control Omcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
221	Male	P10	28.3	27.6	29.5	.	27.7	28.5	.	.	.	.	.	.	.
		P14	41.1	42.4	40.5	.	41.0	40.4	.	.	.	.	.	.	.
		P17	48.5	47.9	48.4	.	47.6	50.0	.	.	.	.	.	.	.
	Female	P21	62.8	62.5	64.5	.	63.5	60.8	.	.	.	.	.	.	.
		P1	6.5	6.7	6.6	6.1	6.7	6.7	6.6	6.4	6.0	6.6	.	.	.
		P4pr	11.2	10.9	11.5	11.7	12.0	10.8	10.8	11.9	10.3	11.2	.	.	.
		P4po	11.5	.	.	11.7	12.0	.	.	11.9	10.3	.	.	.	.
		P7	19.0	.	.	19.5	19.7	.	.	19.1	17.5	.	.	.	.
		P10	28.7	.	.	29.4	28.7	.	.	29.5	27.0	.	.	.	.
		P14	41.2	.	.	42.3	41.7	.	.	41.5	39.4	.	.	.	.
222	Male	P17	48.0	.	.	46.5	48.0	.	.	47.9	49.4	.	.	.	.
		P21	62.3	.	.	60.6	63.4	.	.	61.4	63.7	.	.	.	.
		P1	6.6	6.7	7.0	5.8	6.8	6.9	5.9	6.0	7.2	6.6	7.1	6.7	.
		P4pr	9.3	9.8	9.5	9.8	9.5	9.4	8.8	9.7	8.2	8.6	10.0	9.4	.
		P4po	9.4	9.8	.	9.8	9.5	9.4	.	.	.	8.6	.	.	.
		P7	16.2	16.6	.	16.0	16.8	14.3	.	.	.	17.2	.	.	.
		P10	24.2	24.7	.	25.5	25.1	21.3	.	.	.	24.3	.	.	.
		P14	34.3	31.2	.	35.0	34.6	34.6	.	.	.	36.0	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26 Page: 20

20256434

Day(s) - Relative to Littering (Litter: A)

Control Omcg																
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12	
222	Male	P17	41.2	43.3	.	41.7	40.6	38.1	.	.	.	42.3	.	.	.	
		P21	54.6	55.7	.	54.2	55.1	50.6	.	.	.	57.2	.	.	.	
	Female	P1	5.8	5.9	6.3	4.9	6.2	.	.	.	.	.	.	.	.	.
		P4pr	8.7	9.1	8.3	8.8	.	.	.	.	.	.	.	.	.	.
		P4po	8.7	9.1	8.3	8.8	.	.	.	.	.	.	.	.	.	.
		P7	15.2	14.9	15.4	15.4	.	.	.	.	.	.	.	.	.	.
		P10	23.0	23.3	23.2	22.6	.	.	.	.	.	.	.	.	.	.
		P14	33.1	33.9	32.2	33.2	.	.	.	.	.	.	.	.	.	.
		P17	40.3	40.8	40.1	40.1	.	.	.	.	.	.	.	.	.	.
		P21	54.0	53.1	55.5	53.5	.	.	.	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 21

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



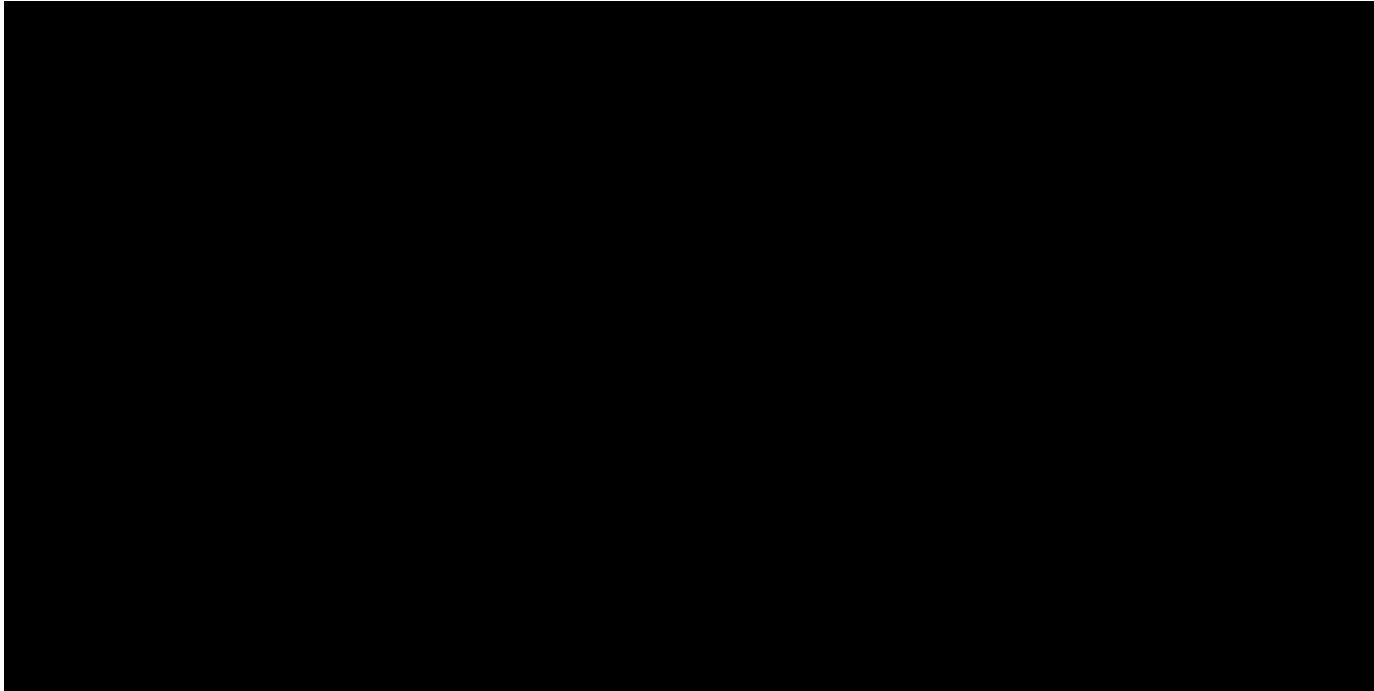
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Provantis
Individual Pup Body Weights (grams)
20256434

02-Nov-2020 10:28:26

Page: 22

Day(s) - Relative to Littering (Litter: A)



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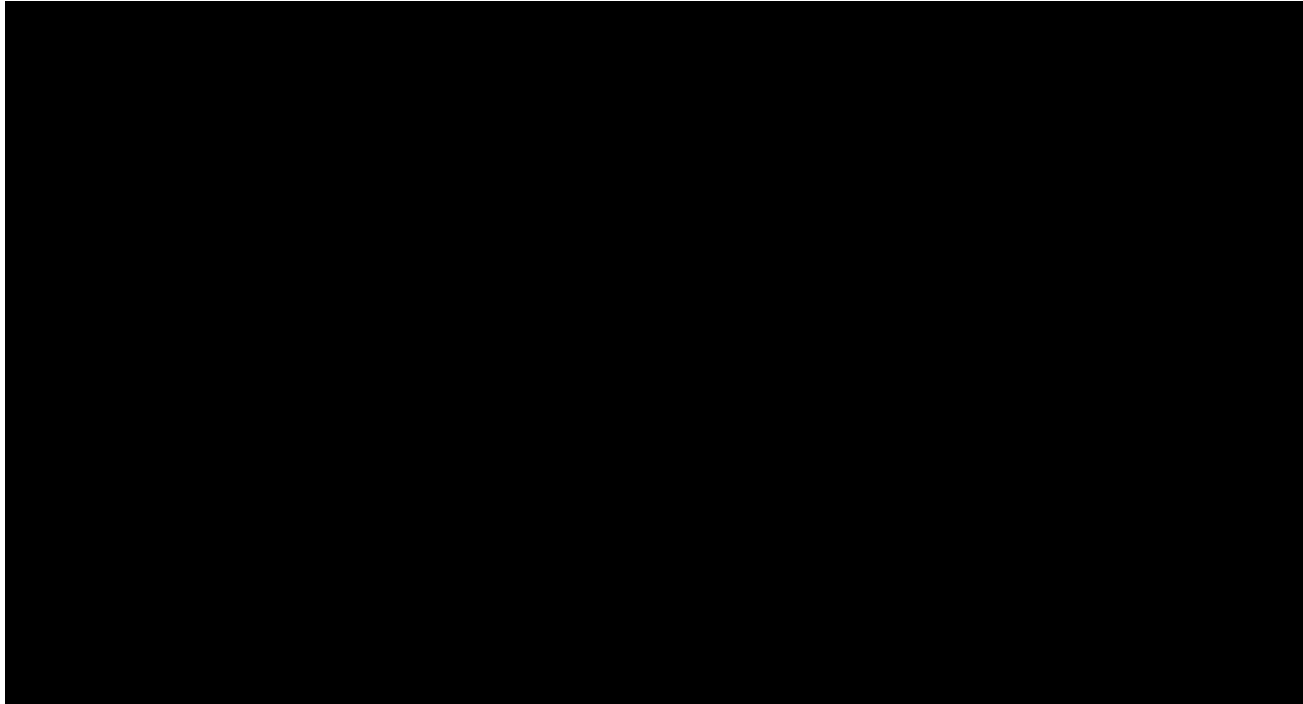
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Page: 23

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)



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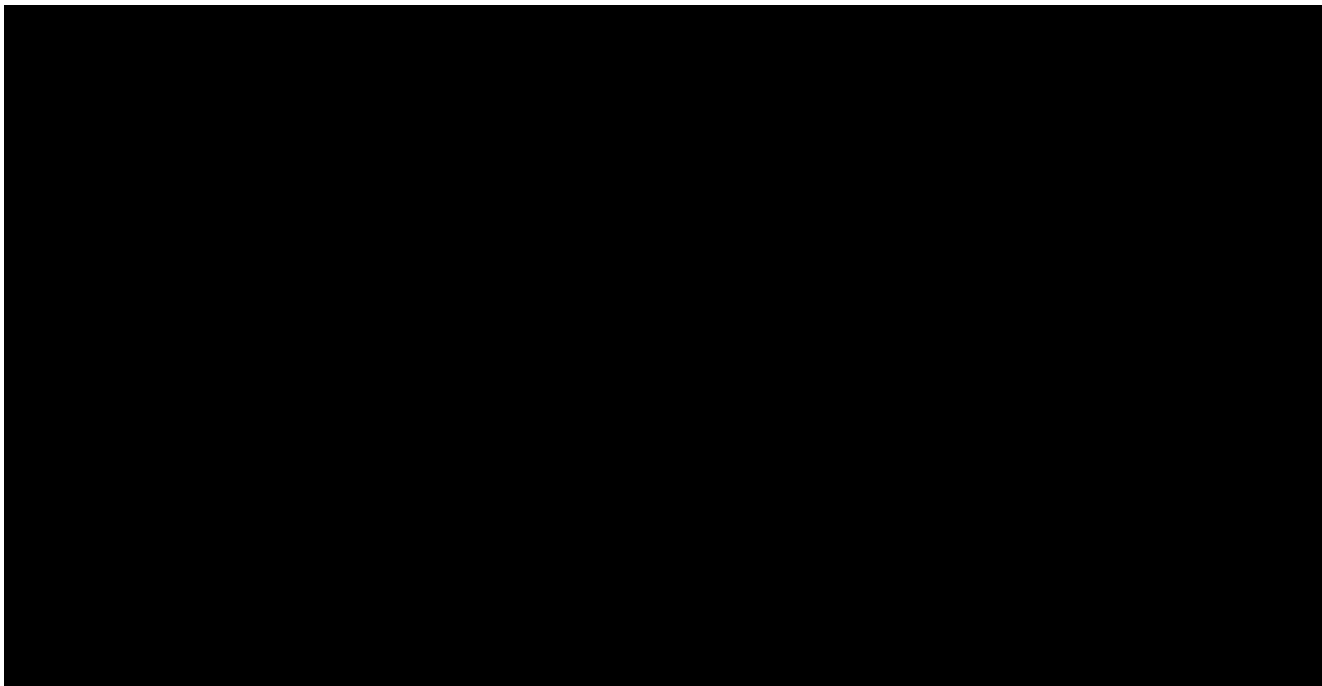
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Page: 24

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)



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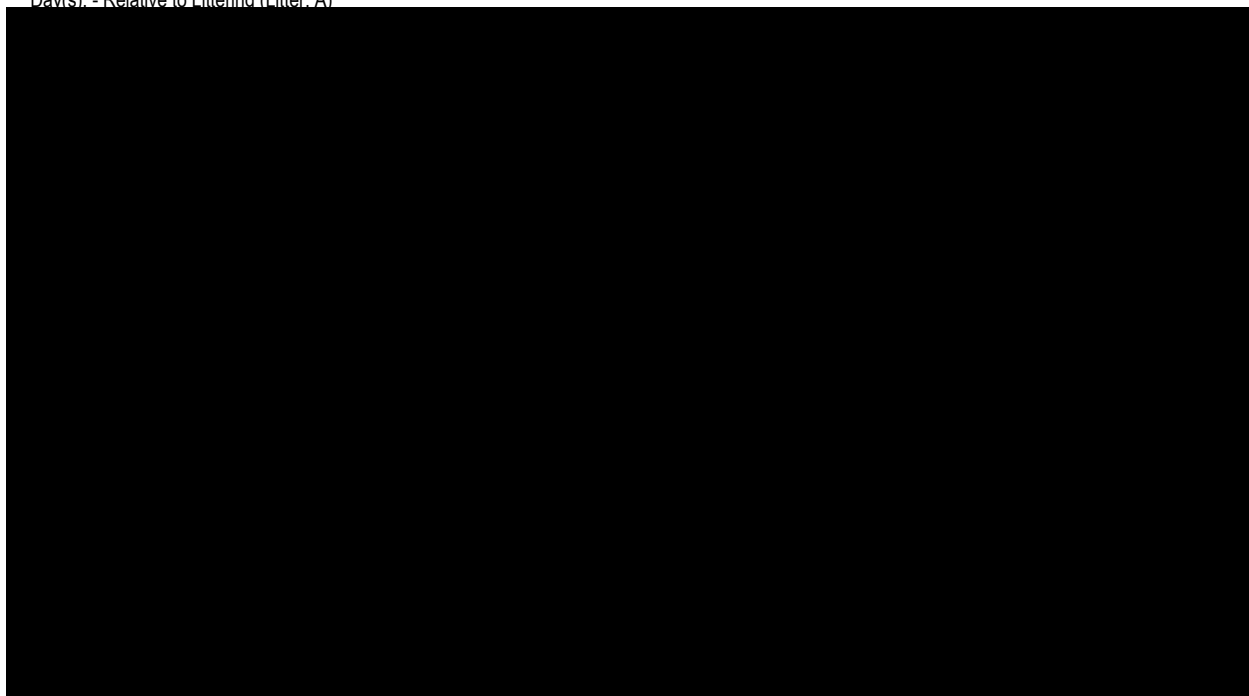
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Page: 25

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)



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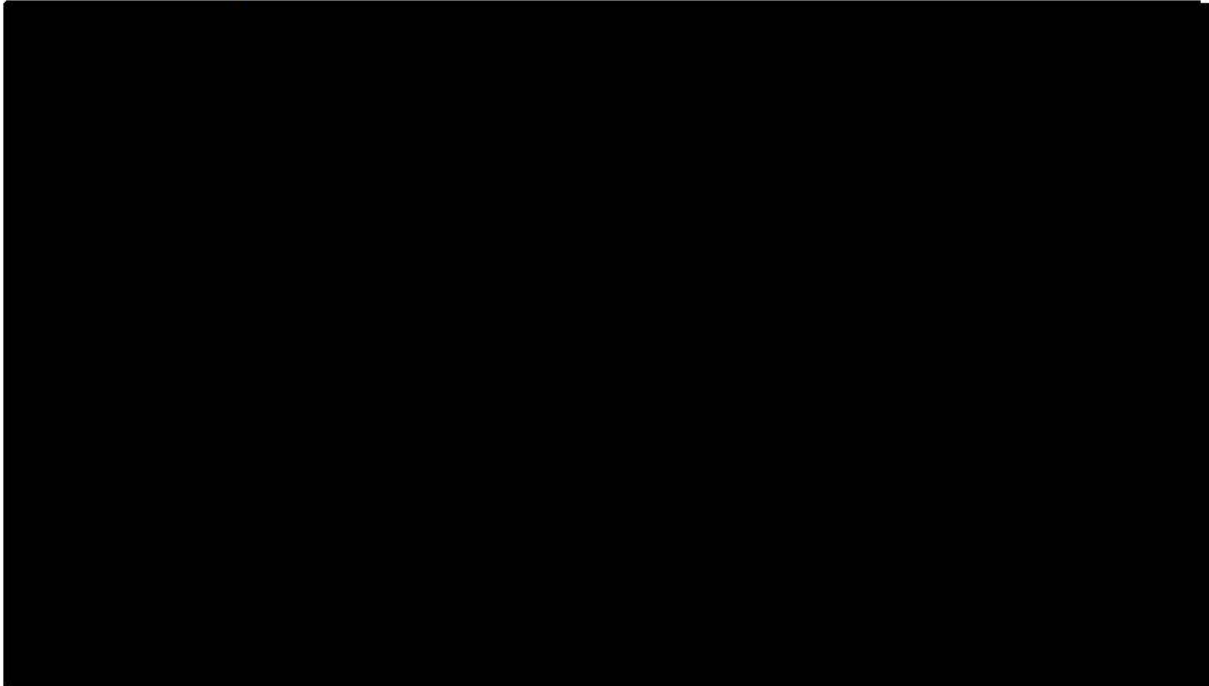
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Page: 26

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

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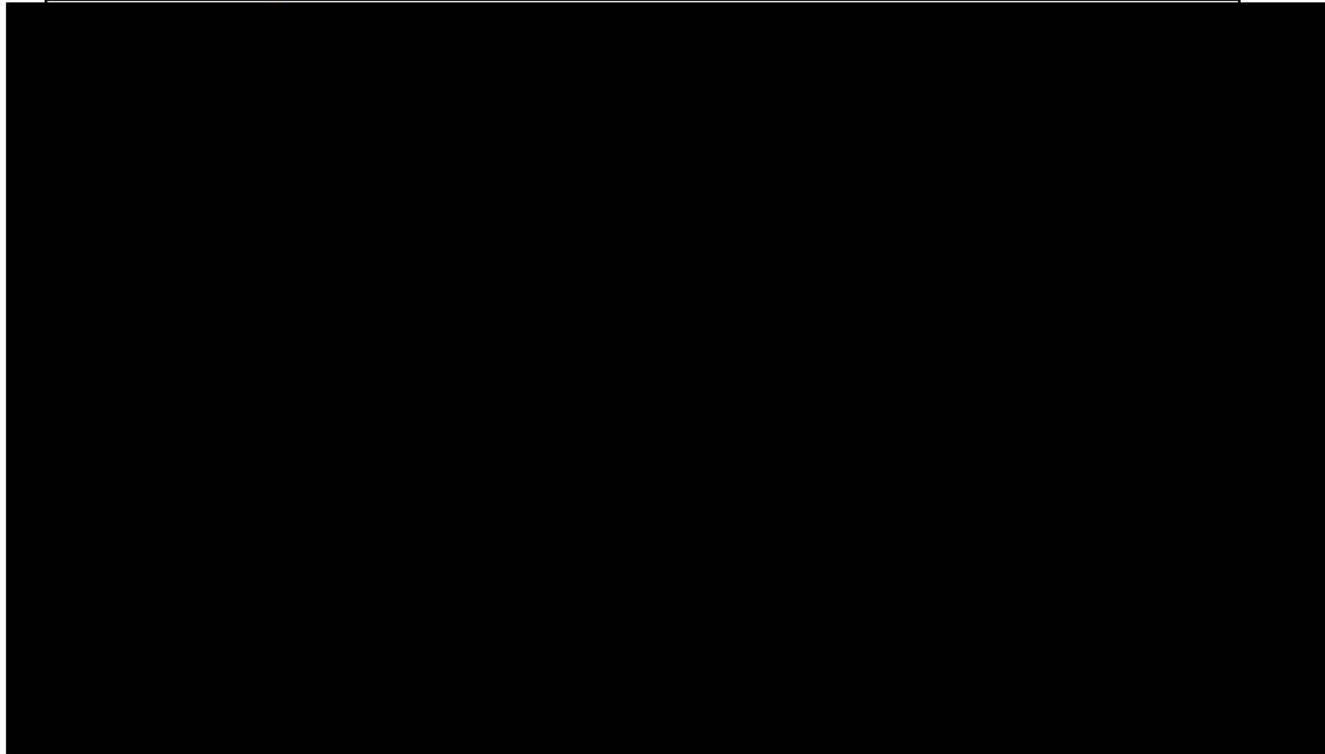
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Page: 27

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

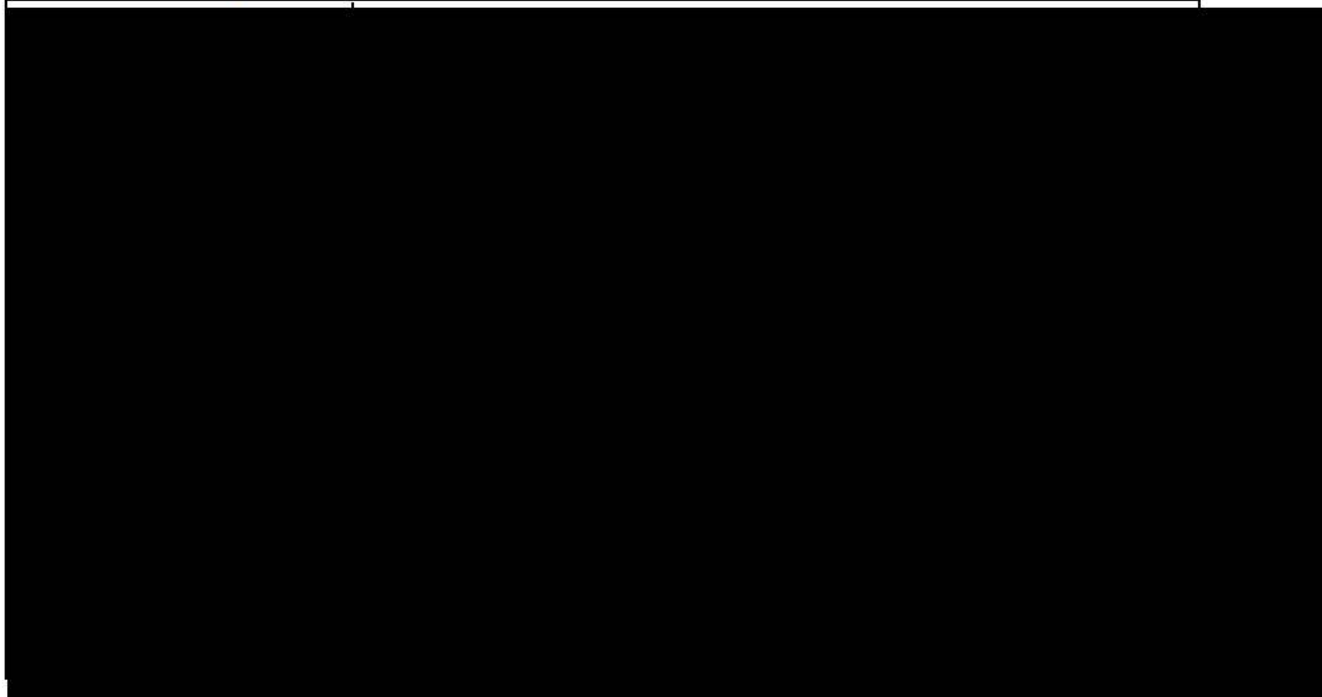
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Page: 28

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

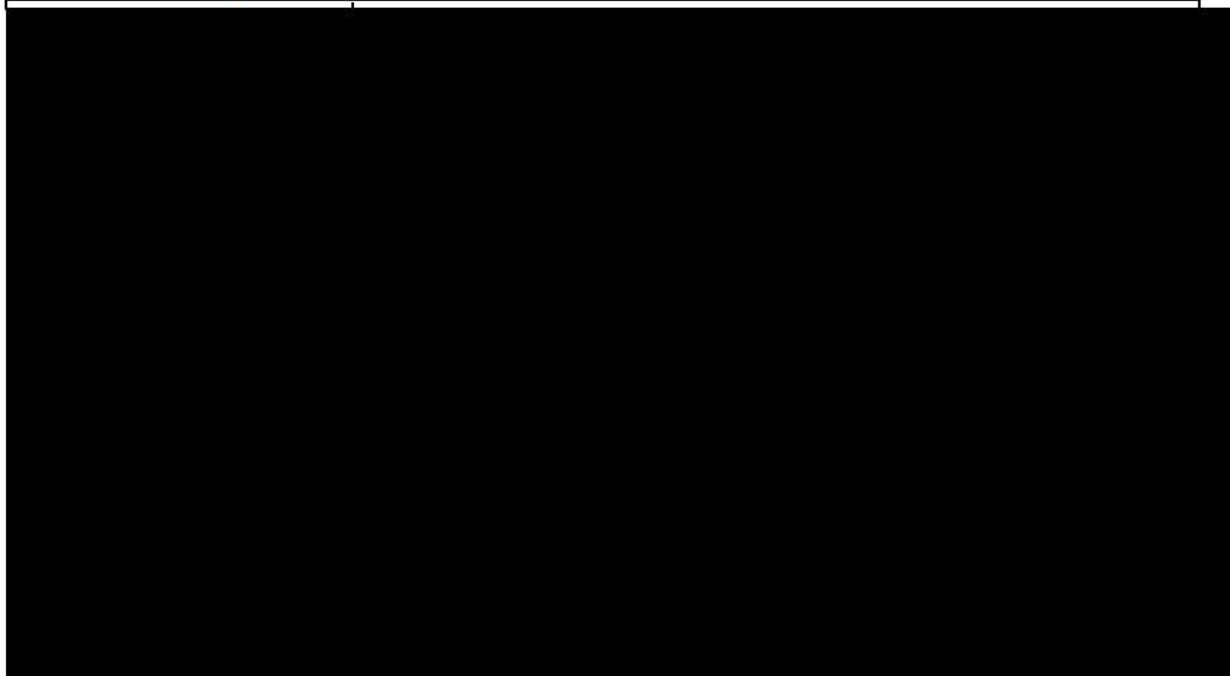
02-Nov-2020 10:28:26

Page: 29

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

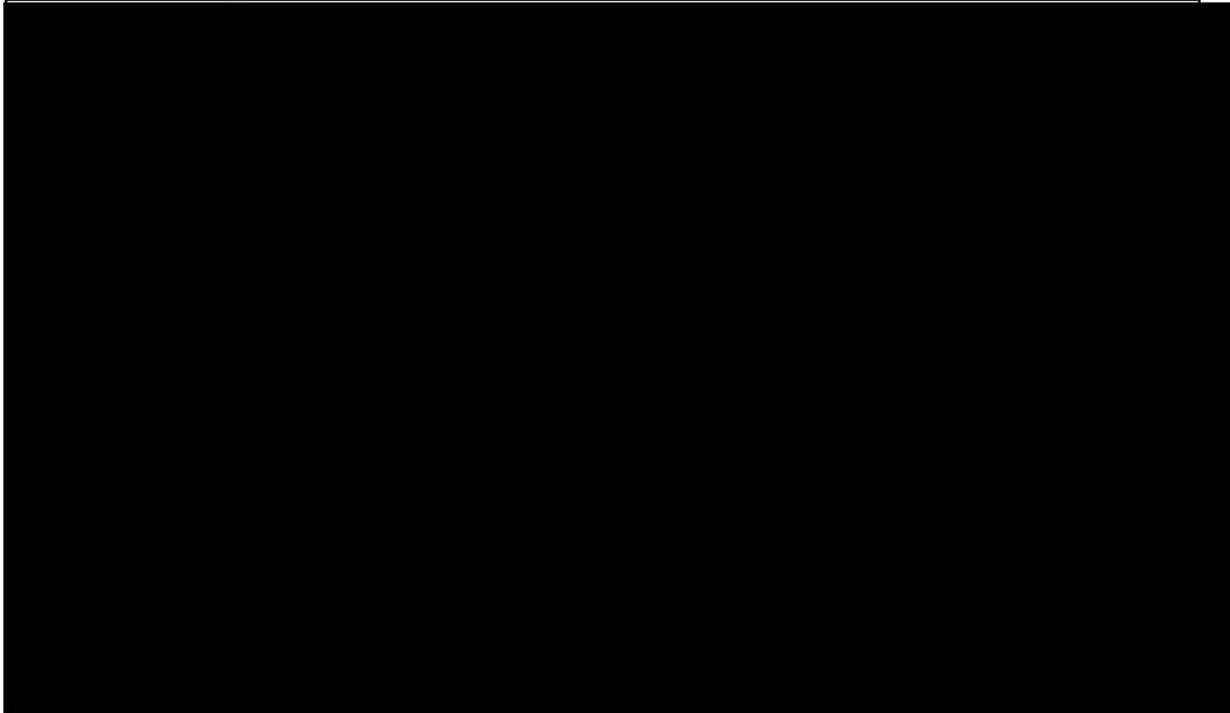
02-Nov-2020 10:28:26

Page: 30

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

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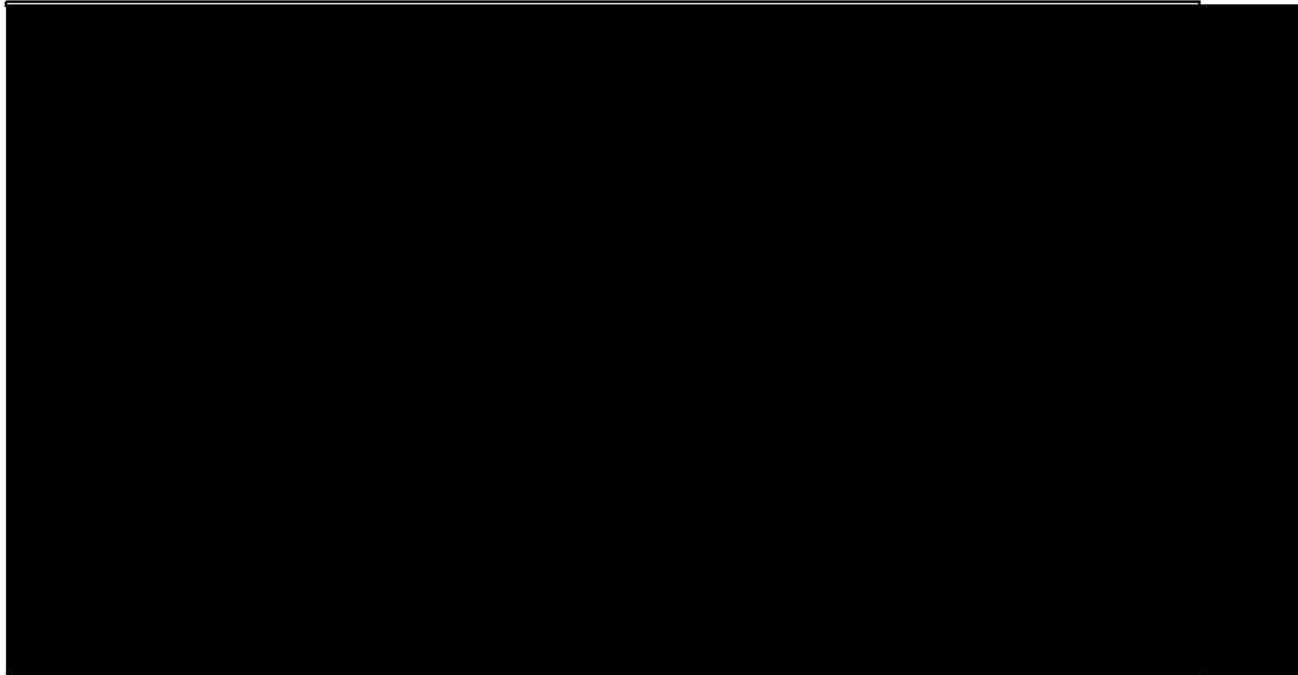
02-Nov-2020 10:28:26

Page: 31

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

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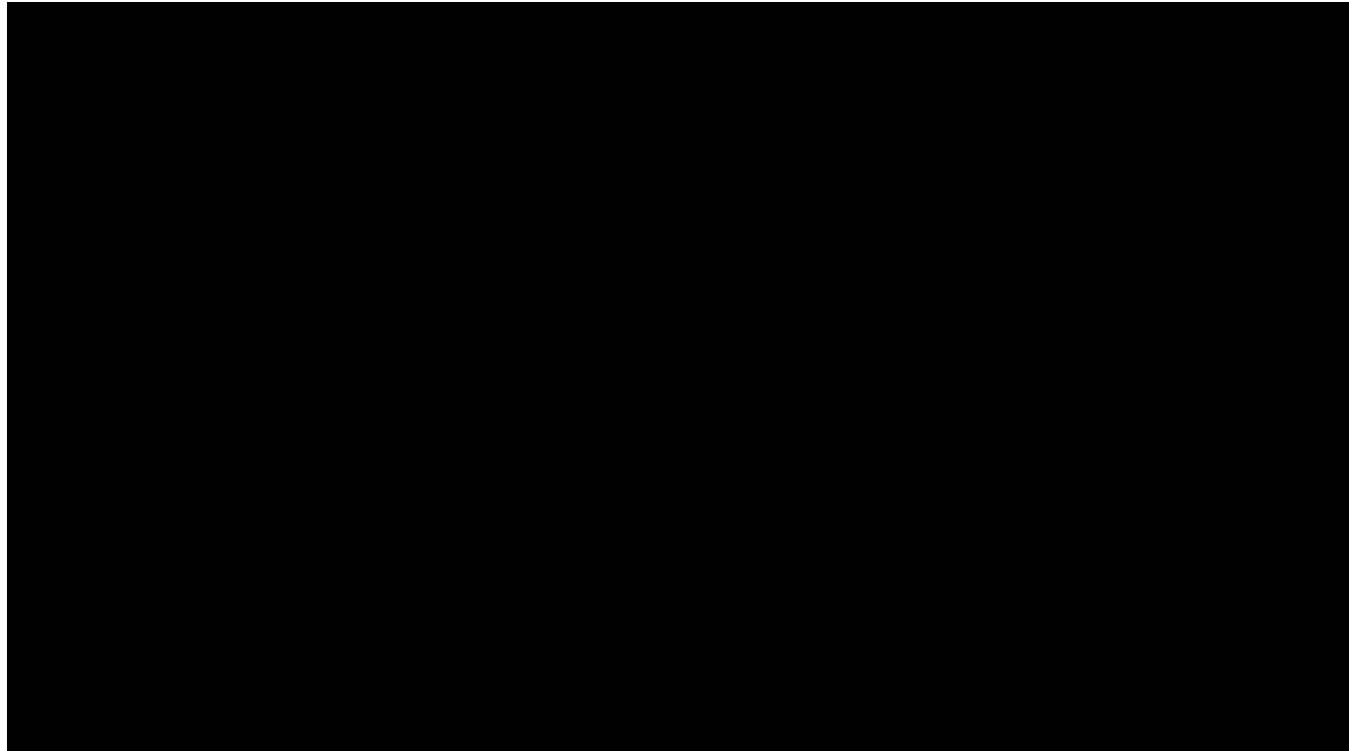
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Page: 32

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

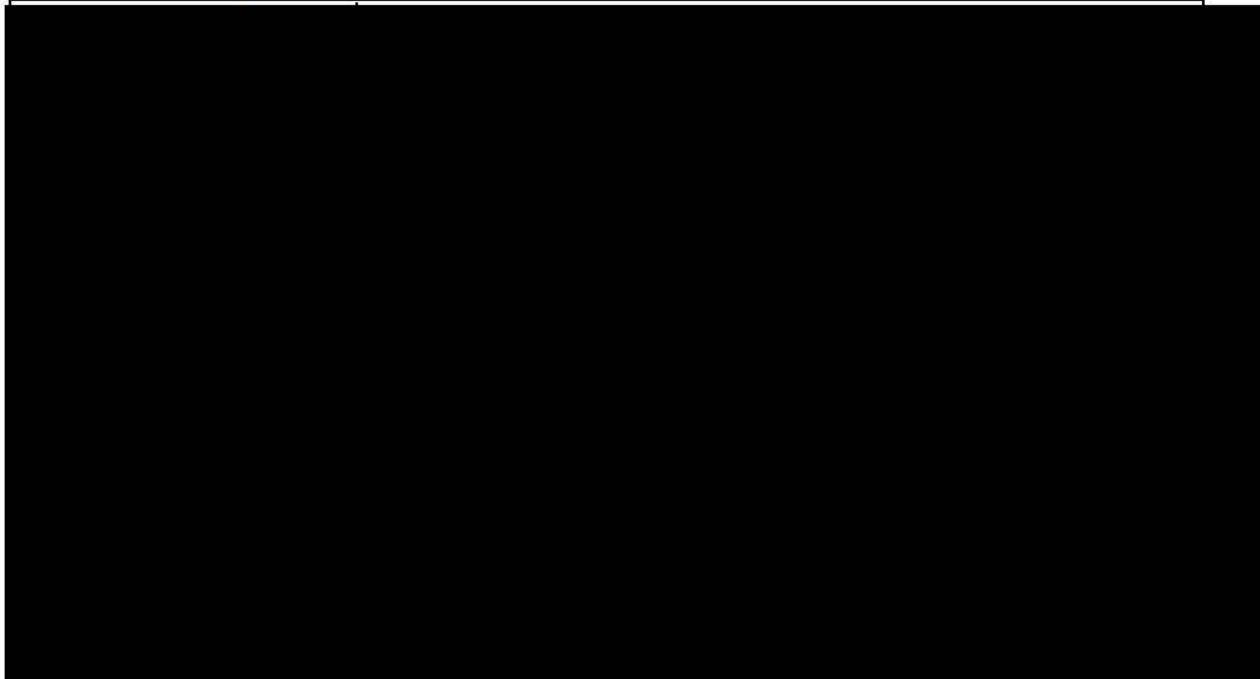
02-Nov-2020 10:28:26

Page: 33

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

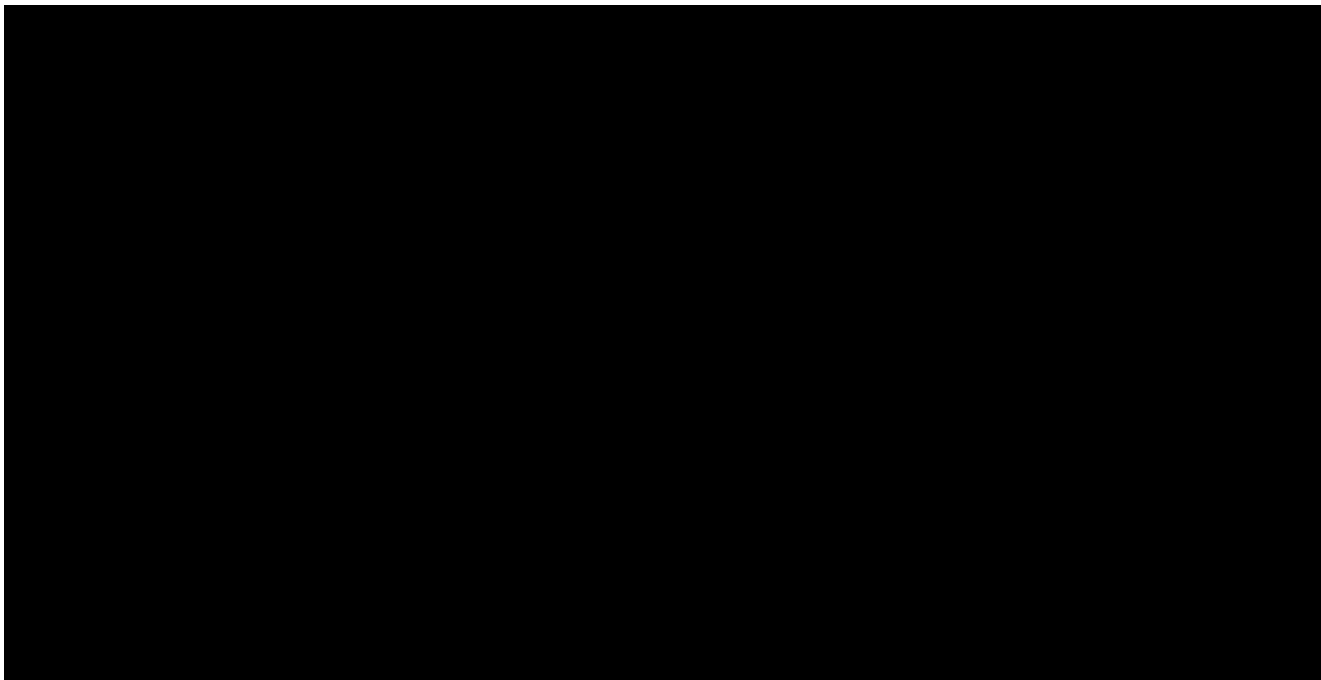
02-Nov-2020 10:28:26

Page: 34

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

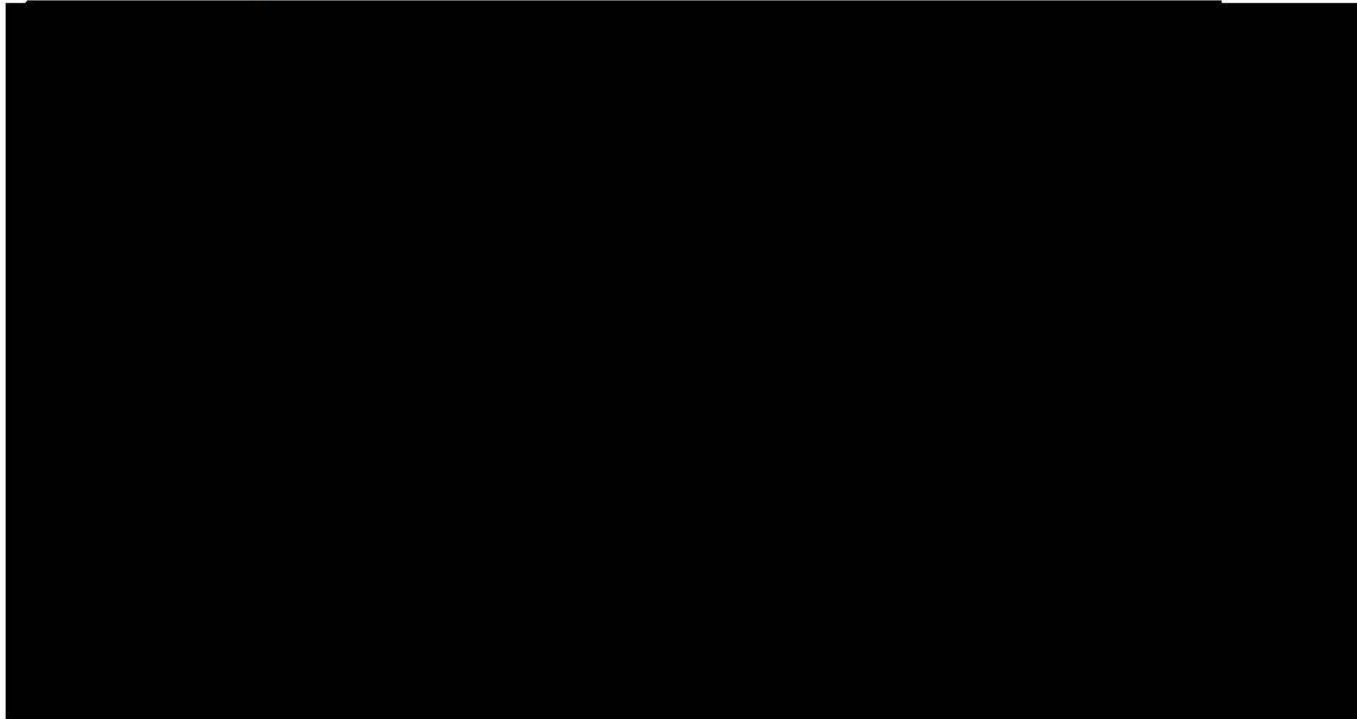
02-Nov-2020 10:28:26

Page: 35

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

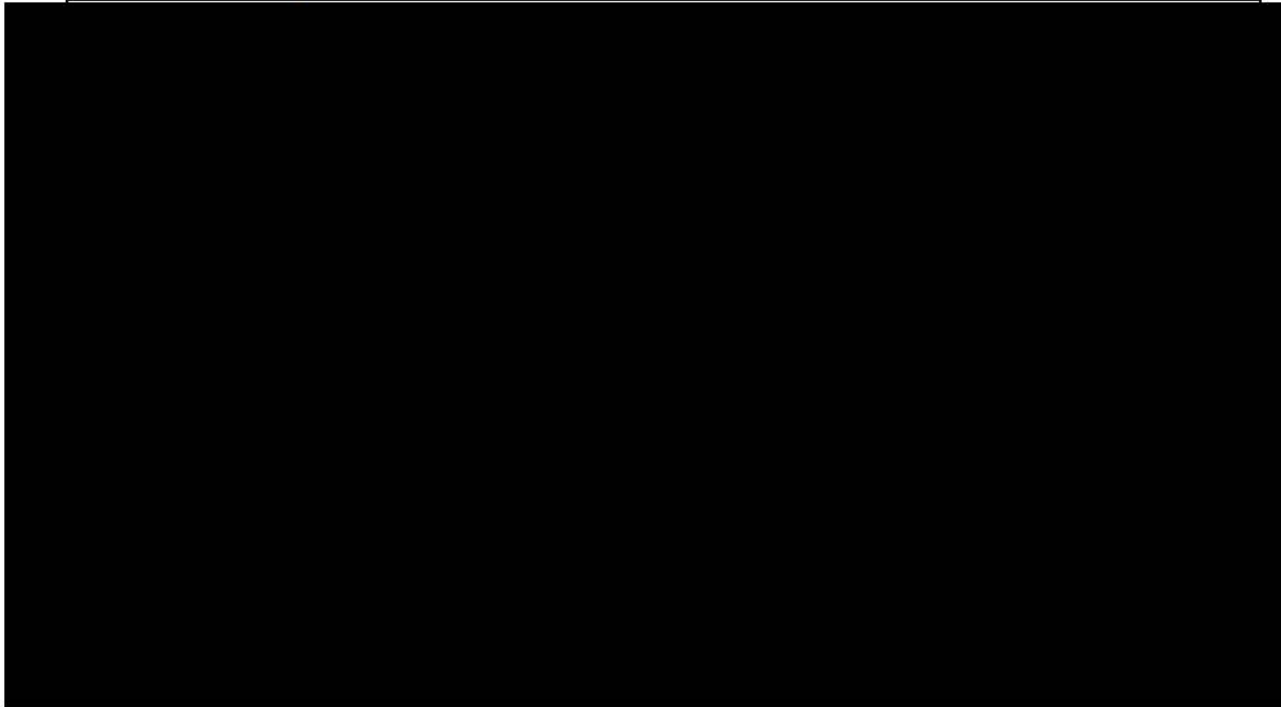
02-Nov-2020 10:28:26

Page: 36

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

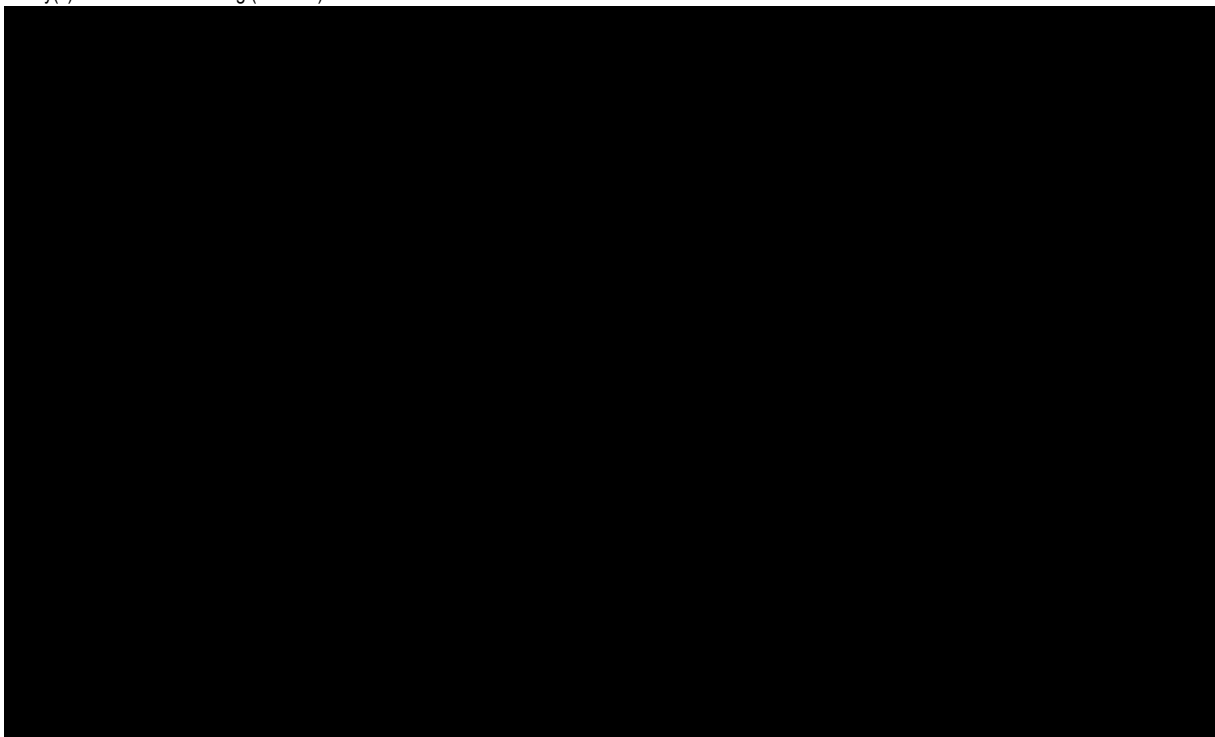
Provantis
Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26

Page: 37

20256434

Day(s) - Relative to Littering (Litter: A)



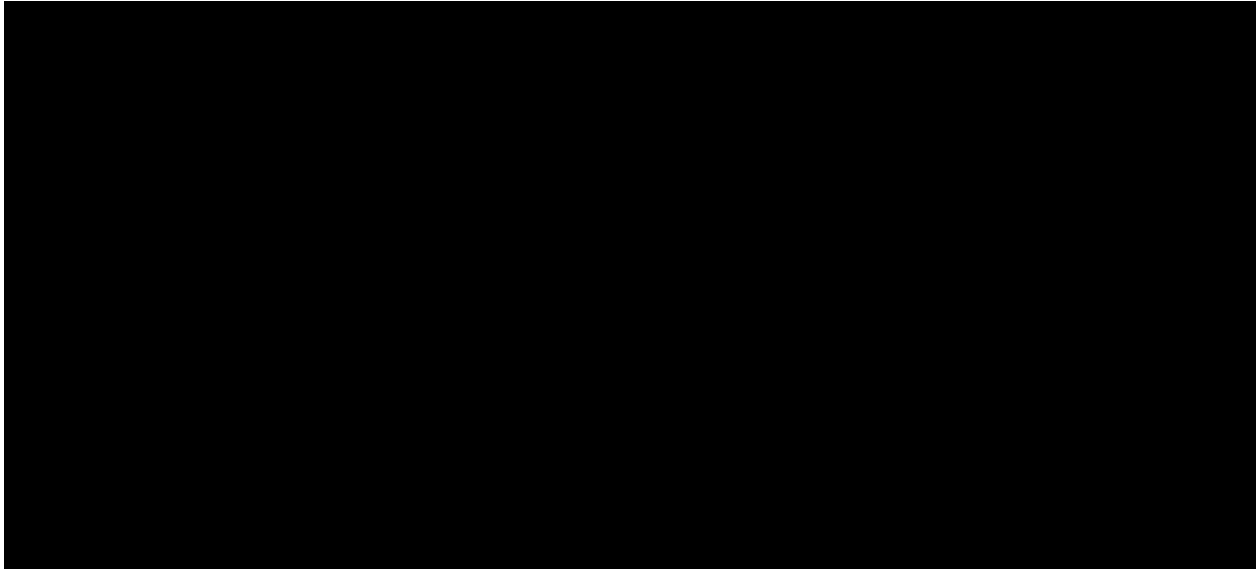
CONFIDENTIAL

Provantis
Individual Pup Body Weights (grams)
20256434

02-Nov-2020 10:28:26

Page: 38

Day(s) - Relative to Littering (Litter: A)



Provantis

02-Nov-2020 10:28:26

Page: 39

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg																
Dam	Pup Sex	Meas.	Mean/ Count													
				1	2	3	4	5	6	7	8	9	10	11	12	
245	Male	P1	6.8	7.3	7.4	5.3	7.2	6.1	7.1	6.9	7.3	7.4	7.2	5.9	.	
		P4pr	10.0	11.0	11.2	10.1	10.9	10.5	9.2	10.8	7.2	10.4	10.4	8.6	.	
		P4po	10.5	.	.	10.1	10.9	10.5	.	.	.	.	10.4	.	.	.
		P7	17.4	.	.	17.5	16.7	18.4	.	.	.	.	16.8	.	.	.
		P10	24.8	.	.	23.4	25.4	26.3	.	.	.	.	24.0	.	.	.
		P14	36.2	.	.	37.2	35.3	37.1	.	.	.	.	35.3	.	.	.
		P17	42.9	.	.	42.7	42.0	42.9	.	.	.	.	44.0	.	.	.
	P21	59.1	.	.	58.2	62.4	58.6	.	.	.	.	57.0	.	.	.	
	Female	P1	6.4	6.1	6.3	7.1	6.0	6.6	.	.	.	.	.	.	.	.
		P4pr	9.7	9.0	8.6	10.8	10.2	10.0	.	.	.	.	.	.	.	.
		P4po	9.7	9.0	8.6	10.8	10.2	.	.	.	.	.	.	.	.	.
		P7	16.5	18.0	15.1	17.6	15.3	.	.	.	.	.	.	.	.	.
		P10	24.1	25.0	25.7	22.6	22.9	.	.	.	.	.	.	.	.	.
		P14	35.0	35.8	36.9	34.2	33.0	.	.	.	.	.	.	.	.	.
P17		41.6	42.0	40.9	43.4	40.0	.	.	.	.	.	.	.	.	.
246	Male	P21	55.4	54.2	54.8	57.8	54.9	.	.	.	.	.	.	.	.
		P1	5.9	6.0	5.9	6.2	5.7	6.1	6.0	5.7	.	.	.	.	.
		P4pr	9.5	9.3	9.3	9.3	9.8	9.4	10.0	9.6	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 40

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

BNT162b2 30mcg																
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12	
246	Male	P4po	9.6	.	9.3	.	.	9.4	10.0	9.6	.	.	.	.	.
		P7	16.3	.	16.1	.	.	15.8	16.7	16.7	.	.	.	.	.
		P10	22.9	.	23.2	.	.	22.6	22.5	23.4	.	.	.	.	.
		P14	32.8	.	33.3	.	.	32.4	33.0	32.5	.	.	.	.	.
		P17	39.4	.	39.7	.	.	39.5	39.5	38.7	.	.	.	.	.
	Female	P21	52.1	.	54.2	.	.	.	51.9	50.6	51.7	.	.	.	.	.
		P1	5.8	6.1	6.2	5.5	5.9	5.5	.	.	.	.	.	.	.	.
		P4pr	9.3	9.4	9.1	9.9	8.7	9.5	.	.	.	.	.	.	.	.
		P4po	9.2	9.4	9.1	.	8.7	9.5	.	.	.	.	.	.	.	.
		P7	15.8	15.7	16.2	.	15.9	15.4	.	.	.	.	.	.	.	.
		P10	22.2	22.9	22.3	.	21.9	21.6	.	.	.	.	.	.	.	.
247	Male	P14	31.8	31.9	31.8	.	31.5	32.1	.	.	.	.	.	.	.
		P17	38.1	38.2	37.9	.	38.3	37.8	.	.	.	.	.	.	.
		P21	50.6	51.4	52.1	.	49.2	49.7	.	.	.	.	.	.	.
		P1	6.3	6.0	6.8	6.2	6.2	.	.	.	.	.	.	.	.	.
		P4pr	9.7	10.0	10.4	9.3	9.2	.	.	.	.	.	.	.	.	.
		P4po	9.7	10.0	10.4	9.3	9.2	.	.	.	.	.	.	.	.	.
		P7	16.4	16.7	17.3	15.6	16.1	.	.	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26

Page: 41

20256434

Day(s) - Relative to Littering (Litter: A)

BNT162b2 30mcg																	
Dam	Pup Sex	Meas.	Mean/ Count														
				1	2	3	4	5	6	7	8	9	10	11	12		
247	Male	P10	25.0	25.4	24.2	25.8	24.5	.	.	.	.	.	.	.	.
		P14	36.3	37.1	36.8	35.9	35.2	.	.	.	.	.	.	.	.
		P17	44.0	43.7	45.1	42.6	44.5	.	.	.	.	.	.	.	.
		P21	57.6	57.9	58.4	56.1	58.1	.	.	.	.	.	.	.	.
	Female	P1	6.1	6.0	6.2	6.2	6.0	5.6	5.8	6.4	6.7	6.4	.	.	.		
		P4pr	9.7	10.1	9.5	9.8	10.1	9.9	8.5	9.4	9.3	10.3	.	.	.		
		P4po	10.0	10.1	.	9.8	.	9.9	.	.	.	10.3	.	.	.		
		P7	16.7	17.1	.	16.1	.	16.6	.	.	.	17.0	.	.	.		
		P10	25.4	24.8	.	25.6	.	25.3	.	.	.	25.9	.	.	.		
		P14	36.4	36.2	.	36.7	.	36.3	.	.	.	36.2	.	.	.		
		P17	43.8	43.9	.	43.3	.	43.8	.	.	.	44.2	.	.	.		
		P21	56.2	57.2	.	56.8	.	56.0	.	.	.	54.9	.	.	.		
		248	Male	P1	6.5	6.1	7.2	5.9	6.0	6.7	6.3	7.4	6.3
				P4pr	10.6	10.4	11.4	9.9	10.2	11.6	10.0	10.4	10.6
P4po	10.5			10.4	11.4	9.9	10.2	.	.	.	10.6	.	.	.	.
P7	17.0			18.2	17.2	16.1	17.5	.	.	.	15.8	.	.	.	.
P10	24.5			24.6	23.2	25.2	26.0	.	.	.	23.7	.	.	.	.
P14	35.0			35.4	34.6	33.8	37.0	.	.	.	34.1	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 42

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
248	Male	P17	42.1	40.7	41.6	44.7	42.8	.	.	.	40.5	.	.	.	.
		P21	54.0	54.4	55.0	58.1	50.2	.	.	.	52.2	.	.	.	.
	Female	P1	6.4	6.7	6.1	6.3	.	.	.	.	.	.	.	.	.
		P4pr	10.2	9.9	11.0	9.8	.	.	.	.	.	.	.	.	.
		P4po	10.2	9.9	11.0	9.8	.	.	.	.	.	.	.	.	.
		P7	16.5	17.4	16.0	16.1	.	.	.	.	.	.	.	.	.
		P10	23.9	23.7	23.4	24.5	.	.	.	.	.	.	.	.	.
		P14	34.0	33.3	35.1	33.6	.	.	.	.	.	.	.	.	.
		P17	40.3	40.7	39.2	41.0	.	.	.	.	.	.	.	.	.
		P21	51.7	53.0	52.7	49.4	.	.	.	.	.	.	.	.	.
249	Male	P1	4.7	5.2	3.9	4.8	4.8	4.9	4.0	4.6	4.8	5.2	.	.	.
		P4pr	7.4	7.7	6.8	8.3	5.7	7.8	7.6	7.1	8.3	7.2	.	.	.
		P4po	7.0	.	6.8	.	5.7	7.8	7.6	.	.	.	.	.	.
		P7	12.0	.	9.8	.	12.8	13.9	11.4	.	.	.	.	.	.
		P10	19.4	.	22.0	.	15.8	21.0	18.7	.	.	.	.	.	.
		P14	29.3	.	28.7	.	30.5	25.3	32.5	.	.	.	.	.	.
		P17	36.8	.	33.4	.	40.6	37.5	35.8	.	.	.	.	.	.
		P21	50.7	.	52.5	.	49.3	54.6	46.4	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 43

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
249	Female	P1	4.4	4.0	4.6	4.9	4.6	4.2	4.5	4.1	4.0	.	.	.	.
		P4pr	6.9	6.9	7.1	8.3	5.9	6.4	7.7	6.7	6.1	.	.	.	.
		P4po	7.0	6.9	7.1	.	.	.	7.7	.	6.1	.	.	.	.
		P7	12.3	10.7	11.8	.	.	.	12.7	.	13.8	.	.	.	.
		P10	19.8	21.4	18.0	.	.	.	19.3	.	20.5	.	.	.	.
		P14	29.8	31.2	27.7	.	.	.	30.5	.	29.7	.	.	.	.
		P17	37.4	37.5	34.6	.	.	.	38.5	.	38.8	.	.	.	.
250	Male	P21	51.9	53.5	50.7	.	.	.	49.4	.	53.8	.	.	.	.
		P1	6.4	7.0	6.2	6.4	6.3	5.9	6.3	6.4	6.5	6.4	.	.	.
		P4pr	9.6	9.8	9.7	10.2	9.1	9.1	9.5	9.7	9.5	9.8	.	.	.
		P4po	9.7	9.8	.	.	.	.	9.5	9.7	9.5	9.8	.	.	.
		P7	16.6	16.6	.	.	.	.	16.9	16.9	16.3	16.5	.	.	.
		P10	23.9	23.9	.	.	.	.	23.6	23.9	24.2	23.9	.	.	.
		P14	34.0	34.2	.	.	.	.	33.8	34.0	34.2	34.0	.	.	.
	Female	P17	40.9	41.5	.	.	.	.	40.9	40.1	41.1	40.9	.	.	.
		P21	53.6	55.0	.	.	.	.	52.7	54.0	53.9	52.5	.	.	.
		P1	5.9	5.8	5.8	6.2	.	.	.	.	.	.	.	.	.
		P4pr	9.3	9.4	9.5	9.0	.	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 44

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

BNT162b2 30mcg																
Dam	Pup Sex	Meas.	Mean/ Count													
				1	2	3	4	5	6	7	8	9	10	11	12	
250	Female	P4po	9.3	9.4	9.5	9.0
		P7	15.9	16.0	15.6	16.1
		P10	23.2	23.5	23.7	22.3
		P14	33.0	33.8	31.7	33.6
		P17	39.3	39.6	40.3	38.1
		P21	52.2	53.1	52.6	50.8
251	Male	P1	5.8	6.4	5.8	6.1	6.1	5.9	5.6	5.3	5.4	.	.	.	.
		P4pr	9.4	9.6	9.8	10.0	8.9	9.0	9.4	9.2	.	.	.	.	.
		P4po	9.6	9.6	9.8	10.0	8.9	.	.	.	.	.	.	.	.
		P7	15.9	15.2	16.3	15.9	16.1	.	.	.	.	.	.	.	.
		P10	23.9	23.6	23.1	24.5	24.3	.	.	.	.	.	.	.	.
		P14	36.0	36.8	36.7	35.8	34.7	.	.	.	.	.	.	.	.
	Female	P17	42.8	42.3	41.9	44.3	42.8	.	.	.	.	.	.	.	.
		P21	57.6	59.4	56.7	57.1	57.2	.	.	.	.	.	.	.	.
		P1	5.7	5.2	6.1	6.3	5.6	5.7	3.9	5.9	6.1	6.2	.	.	.	
		P4pr	8.8	9.7	8.9	9.4	9.4	7.5	9.5	9.7	5.2	9.9	.	.	.	
		P4po	9.0	9.7	.	9.4	.	7.5	9.5	.	.	.	.	.	.
P7	15.7	16.6	.	13.7	.	16.8	15.8	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 45

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
251	Female	P10	23.8	21.1	.	24.9	.	25.2	24.1	.	.	.	.	.	.
		P14	35.8	36.3	.	35.3	.	37.5	34.1	.	.	.	.	.	.
		P17	42.6	40.5	.	42.0	.	44.8	43.2	.	.	.	.	.	.
		P21	56.9	59.8	.	57.6	.	56.4	53.7	.	.	.	.	.	.
252	Male	P1	7.6	7.5	7.9	7.4	.	.	.	.	.	.	.	.	.
		P4pr	11.9	11.8	12.6	11.4	.	.	.	.	.	.	.	.	.
		P4po	11.9	11.8	12.6	11.4	.	.	.	.	.	.	.	.	.
		P7	19.6	19.3	18.4	21.1	.	.	.	.	.	.	.	.	.
		P10	27.3	27.3	28.6	26.0	.	.	.	.	.	.	.	.	.
		P14	37.7	38.9	37.4	36.7	.	.	.	.	.	.	.	.	.
		P17	45.2	45.5	44.1	46.0	.	.	.	.	.	.	.	.	.
	Female	P21	61.8	60.3	61.6	63.5	.	.	.	.	.	.	.	.	.
		P1	6.8	6.7	6.9	5.8	6.9	6.7	6.7	7.5	7.1	.	.	.	.
		P4pr	10.8	11.3	10.8	9.8	11.8	10.9	10.5	10.8	10.6	.	.	.	.
		P4po	10.9	11.3	.	9.8	11.8	10.9	10.5	.	.	.	.	.	.
		P7	18.1	17.8	.	17.3	18.2	19.5	17.9	.	.	.	.	.	.
		P10	25.7	25.6	.	24.9	25.8	27.6	24.7	.	.	.	.	.	.
		P14	35.7	34.7	.	37.3	35.6	36.1	34.6	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 46

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

BNT162b2 30mcg																
Dam	Pup Sex	Meas.	Mean/ Count													
				1	2	3	4	5	6	7	8	9	10	11	12	
252	Female	P17	42.2	41.9	.	44.8	40.0	41.0	43.4	.	.	.	.	.	.
		P21	57.2	54.2	.	55.5	58.0	59.2	59.1	.	.	.	.	.	.
253	Male	P1	6.5	6.7	6.6	6.3	6.7	6.4	6.8	6.3	6.2	.	.	.	.
		P4pr	10.1	10.5	9.7	10.2	9.7	9.7	10.0	10.2	10.7	.	.	.	.
		P4po	10.2	10.5	9.7	.	9.7	10.7
		P7	16.8	16.1	17.5	.	17.2	16.3
		P10	24.4	25.1	23.0	.	24.2	25.4
		P14	34.4	34.0	35.4	.	33.2	34.9
		P17	40.2	40.1	40.3	.	39.3	41.2
	P21	52.6	53.0	51.9	.	52.6	.	.	.	.	52.9	.	.	.	.
	Female	P1	6.2	5.8	6.1	6.4	6.5
		P4pr	10.0	9.8	10.2	10.1	9.8
		P4po	10.0	9.8	10.2	10.1	9.8
P7		16.8	16.2	16.6	17.5	16.9	.	.	.	.	.	.	.	.	.
	P10	24.5	24.5	24.1	25.3	23.9	.	.	.	.	.	.	.	.	.
	P14	33.8	34.7	33.1	33.4	33.9	.	.	.	.	.	.	.	.	.
	P17	38.7	39.7	38.3	38.1	38.5	.	.	.	.	.	.	.	.	.
	P21	50.9	52.5	49.1	51.1	51.0	.	.	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 47

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg																
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12	
255	Female	P1	7.5	8.4	6.9	7.2	.	.	.	.	.	.	.	.	.	.
		P4pr	12.5	12.5	14.0	11.1	.	.	.	.	.	.	.	.	.	.
		P4po	12.5	12.5	14.0	11.1	.	.	.	.	.	.	.	.	.	.
		P7	19.0	19.2	20.6	17.3	.	.	.	.	.	.	.	.	.	.
		P10	26.1	27.9	26.1	24.4	.	.	.	.	.	.	.	.	.	.
		P14	36.0	33.9	37.9	36.1	.	.	.	.	.	.	.	.	.	.
		P17	42.7	40.7	44.5	42.8	.	.	.	.	.	.	.	.	.	.
		P21	55.8	57.1	58.0	52.3	.	.	.	.	.	.	.	.	.	.
256	Male	P1	6.0	6.5	5.7	6.4	5.1	6.3	.	.	.	.	.	.	.	.
		P4pr	8.8	7.8	9.3	8.4	9.5	8.8	.	.	.	.	.	.	.	.
		P4po	8.8	7.8	9.3	8.4	9.5	.	.	.	.	.	.	.	.	.
		P7	15.4	14.7	16.6	13.8	16.5	.	.	.	.	.	.	.	.	.
		P10	23.7	22.7	22.2	25.3	24.7	.	.	.	.	.	.	.	.	.
		P14	36.2	37.5	34.7	34.3	38.4	.	.	.	.	.	.	.	.	.
		P17	44.3	45.4	42.5	42.7	46.7	.	.	.	.	.	.	.	.	.
		P21	57.3	57.9	55.6	60.4	55.2	.	.	.	.	.	.	.	.	.
Female	P1	6.0	6.1	6.1	5.9	5.6	6.1	5.6	6.2	6.4	6.1	6.3	.	.	.	
	P4pr	8.8	8.4	8.6	8.3	9.9	8.7	9.0	8.4	9.8	8.8	8.2	.	.	.	

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26 Page: 48

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
256	Female	P4po	8.6	8.4	.	.	.	.	9.0	.	.	8.8	8.2	.	.
		P7	15.6	15.7	.	.	.	.	14.3	.	.	16.6	15.6	.	.
		P10	24.1	25.6	.	.	.	.	24.4	.	.	22.4	24.1	.	.
		P14	35.8	34.1	.	.	.	.	36.5	.	.	37.7	34.9	.	.
		P17	43.8	42.2	.	.	.	.	42.1	.	.	45.0	45.7	.	.
		P21	56.6	58.4	.	.	.	.	54.6	.	.	54.3	59.0	.	.
257	Male	P1	6.0	5.9	6.4	6.4	5.7	6.0	6.1	5.3	.	.	.	.	.
		P4pr	10.0	9.7	10.8	9.0	10.3	10.1	8.9	11.0	.	.	.	.	.
		P4po	9.7	.	10.8	9.0	.	10.1	8.9	.	.	.	.	.	.
		P7	16.2	.	14.8	17.4	.	17.1	15.3	.	.	.	.	.	.
		P10	23.9	.	25.5	25.0	.	21.8	23.1	.	.	.	.	.	.
		P14	34.2	.	37.1	34.1	.	28.6	36.9	.	.	.	.	.	.
	Female	P17	40.6	.	45.2	44.6	.	30.5	41.9	.	.	.	.	.	.
		P21	54.1	.	58.1	59.8	.	59.6	38.7	.	.	.	.	.	.
		P1	5.6	5.5	6.2	5.3	6.0	5.6	5.5	5.0	5.9	.	.	.	.
		P4pr	9.1	8.1	8.8	9.1	8.5	9.0	9.4	10.5	9.5	.	.	.	.
		P4po	8.9	8.1	8.8	9.1	.	.	9.4	.	.	.	.	.	.
P7	14.5	14.1	12.5	16.1	.	.	.	15.1	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 49

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
				257	Female	P10	22.2	22.1	19.4	23.3	.	.	24.0	.	.
		P14	33.7	32.2	33.6	35.7	.	.	33.1	.	.	.	.	.	.
		P17	40.8	41.0	38.9	40.3	.	.	42.9	.	.	.	.	.	.
		P21	55.0	52.2	53.9	57.7	.	.	56.0	.	.	.	.	.	.
258	Male	P1	6.0	5.6	5.6	6.3	6.3	5.5	6.1	6.0	6.3	.	.	.	.
		P4pr	9.5	9.3	8.2	9.7	9.8	10.4	10.2	9.5	8.8	.	.	.	.
		P4po	9.4	9.3	8.2	9.7	.	10.4	.	.	.	.	.	.	.
		P7	16.1	17.7	15.5	16.9	.	14.4	.	.	.	.	.	.	.
		P10	24.4	21.9	26.4	23.9	.	25.2	.	.	.	.	.	.	.
		P14	36.5	38.6	34.4	37.1	.	35.9	.	.	.	.	.	.	.
		P17	44.7	47.7	45.2	43.4	.	42.6	.	.	.	.	.	.	.
		P21	59.6	57.1	60.5	57.1	.	63.5	.	.	.	.	.	.	.
	Female	P1	5.7	5.8	6.1	5.8	5.3	5.3	5.9	5.9	.	.	.	.	.
		P4pr	9.5	10.1	9.7	9.3	9.7	8.2	9.7	9.8	.	.	.	.	.
		P4po	9.8	10.1	.	.	9.7	.	9.7	9.8	.	.	.	.	.
		P7	15.6	17.2	.	.	16.8	.	14.3	14.2	.	.	.	.	.
		P10	24.6	22.2	.	.	25.9	.	24.7	25.5	.	.	.	.	.
		P14	36.6	36.6	.	.	37.4	.	34.1	38.2	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 50

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
258	Female	P17	44.2	44.0	.	.	42.2	.	45.4	45.1	.	.	.	.	.
		P21	58.0	59.0	.	.	55.3	.	59.7	58.0	.	.	.	.	.
259	Male	P1	5.6	5.6	5.7	5.7	5.6	5.8	5.4	.	.	.	.	.	.
		P4pr	9.2	9.5	8.9	9.2	9.1	9.6	9.1	.	.	.	.	.	.
		P4po	9.2	.	8.9	9.2	9.1	9.6	.	.	.	.	.	.	.
		P7	15.9	.	15.7	16.3	15.3	16.2	.	.	.	.	.	.	.
		P10	24.1	.	24.9	23.4	23.9	24.1	.	.	.	.	.	.	.
	Female	P14	35.3	.	37.0	35.6	34.0	34.7	.	.	.	.	.	.	.
		P17	42.4	.	41.2	41.5	42.2	44.5	.	.	.	.	.	.	.
		P21	57.6	.	58.8	59.1	58.0	54.6	.	.	.	.	.	.	.
		P1	5.5	5.6	5.2	5.3	5.6	5.2	5.5	5.3	5.7	5.9	.	.	.
		P4pr	9.1	9.7	9.3	8.8	8.2	9.3	8.1	9.7	8.9	9.7	.	.	.
		P4po	9.2	9.7	9.3	.	8.2	.	.	9.7	.	.	.	.	.
	P7	15.9	15.8	15.9	.	14.6	.	.	17.2	.	.	.	.	.
	P10	24.1	24.3	25.5	.	22.8	.	.	23.8	.	.	.	.	.
	P14	34.8	33.0	34.5	.	35.3	.	.	36.3	.	.	.	.	.
	P17	41.7	42.5	40.7	.	43.2	.	.	40.2	.	.	.	.	.
	P21	55.6	56.4	58.5	.	54.5	.	.	53.0	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 51

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
260	Male	P1	7.0	7.0	7.5	6.8	6.7	7.6	6.8	7.1	6.1	.	.	.	.
		P4pr	11.0	11.3	11.3	11.7	10.5	10.6	11.0	11.7	9.8	.	.	.	.
		P4po	10.8	.	11.3	11.7	10.5	.	.	.	9.8	.	.	.	.
		P7	17.8	.	16.7	16.4	18.8	.	.	.	19.4	.	.	.	.
		P10	26.0	.	24.8	24.2	28.1	.	.	.	27.0	.	.	.	.
		P14	35.9	.	34.2	38.0	33.9	.	.	.	37.4	.	.	.	.
		P17	43.1	.	44.8	40.9	45.3	.	.	.	41.2	.	.	.	.
	P21	58.4	.	60.7	55.9	56.0	.	.	.	60.8	.	.	.	.
	Female	P1	6.9	6.9	7.1	7.0	6.7	6.6	.	.	.	.	.	.	.
		P4pr	10.6	10.9	10.0	10.5	10.9	10.9	.	.	.	.	.	.	.
		P4po	10.6	.	10.0	10.5	10.9	10.9	.	.	.	.	.	.	.
		P7	17.4	.	17.4	18.1	16.1	18.1	.	.	.	.	.	.	.
		P10	25.5	.	26.4	25.4	23.7	26.4	.	.	.	.	.	.	.
		P14	35.3	.	35.9	33.3	36.5	35.5	.	.	.	.	.	.	.
P17		42.5	.	43.1	40.2	43.2	43.5	.	.	.	.	.	.	.
261	Male	P21	57.3	.	54.5	58.8	58.1	57.9	.	.	.	.	.	.
		P1	7.3	7.2	7.1	7.5	7.1	7.7	6.9	7.8	.	.	.	.
		P4pr	11.7	12.4	11.3	12.6	11.4	11.1	11.4	11.5	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26 Page: 52

20256434

Day(s) - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
261	Male	P4po	11.6	12.4	11.3	.	11.4	11.1	.	.	.	.	.	.	.
		P7	18.2	19.1	17.9	.	17.8	17.8	.	.	.	.	.	.	.
		P10	26.4	28.0	24.9	.	26.2	26.6	.	.	.	.	.	.	.
		P14	36.7	38.7	36.0	.	35.8	36.3	.	.	.	.	.	.	.
		P17	43.3	41.8	42.3	.	43.4	45.8	.	.	.	.	.	.	.
	Female	P21	57.4	55.8	58.4	.	61.1	54.4	.	.	.	.	.	.	.
		P1	7.0	7.1	7.0	7.0	6.7	.	.	.	.	.	.	.	.
		P4pr	11.4	10.8	11.6	11.6	11.5	.	.	.	.	.	.	.	.
		P4po	11.4	10.8	11.6	11.6	11.5	.	.	.	.	.	.	.	.
		P7	17.9	18.5	18.0	18.3	16.9	.	.	.	.	.	.	.	.
		P10	25.8	26.7	23.4	27.1	26.0	.	.	.	.	.	.	.	.
262	Male	P14	36.3	33.9	36.9	37.1	37.3	.	.	.	.	.	.	.	.
		P17	43.0	43.5	44.5	40.2	43.8	.	.	.	.	.	.	.	.
		P21	56.7	57.3	58.2	52.3	59.1	.	.	.	.	.	.	.	.
		P1	6.7	6.7	6.6	6.8	7.2	6.8	6.6	6.5	.	.	.	.	.
		P4pr	10.2	11.1	9.4	10.2	10.3	10.2	10.2	9.9	.	.	.	.	.
		P4po	10.0	.	9.4	.	10.3	10.2	10.2	.	.	.	.	.	.
		P7	17.7	.	17.5	.	18.3	18.3	16.6	.	.	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26 Page: 53

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
262	Male	P10	25.5	.	24.0	.	26.2	26.0	25.6	.	.	.	.	.	.
		P14	36.9	.	35.6	.	36.9	36.7	38.5	.	.	.	.	.	.
		P17	44.8	.	44.3	.	45.3	42.6	46.8	.	.	.	.	.	.
	Female	P21	59.8	.	59.5	.	60.9	55.5	63.1	.	.	.	.	.	.
		P1	6.1	5.6	6.1	6.2	6.4	6.0	6.5	.	.	.	.	.	.
		P4pr	9.4	8.1	9.8	9.5	9.2	10.1	9.7	.	.	.	.	.	.
		P4po	9.2	8.1	9.8	.	9.2	.	9.7	.	.	.	.	.	.
		P7	16.1	17.4	17.1	.	15.8	.	14.2	.	.	.	.	.	.
		P10	23.4	22.8	24.9	.	25.0	.	20.8	.	.	.	.	.	.
		P14	33.5	35.5	34.0	.	35.3	.	29.2	.	.	.	.	.	.
263	Male	P17	41.2	43.9	43.7	.	40.8	.	36.4	.	.	.	.	.	.
		P21	54.1	57.0	58.3	.	54.5	.	46.6	.	.	.	.	.	.
		P1	5.5	5.3	6.1	5.3	5.9	5.1	5.6	5.2	.	.	.	.	.
		P4pr	8.3	8.6	8.1	9.1	7.7	8.6	8.2	8.1	.	.	.	.	.
		P4po	8.4	8.6	8.1	9.1	7.7	.	.	.	.	.	.	.	.
		P7	14.0	15.1	12.9	14.6	13.5	.	.	.	.	.	.	.	.
		P10	21.3	19.6	22.1	22.8	20.6	.	.	.	.	.	.	.	.
P14	31.1	30.5	29.3	32.0	32.7	.	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 54

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
				263	Male	P17	37.8	39.6	36.4	39.3	35.8
		P21	51.3	53.0	55.8	47.8	48.5	.	.	.	.	.	.	.	.
	Female	P1	5.2	5.3	4.6	5.5	5.1	5.4	.	.	.	.	.	.	.
		P4pr	8.0	8.5	7.2	8.6	8.1	7.8	.	.	.	.	.	.	.
		P4po	7.9	.	7.2	8.6	8.1	7.8	.	.	.	.	.	.	.
		P7	13.4	.	13.9	14.4	13.2	11.9	.	.	.	.	.	.	.
		P10	20.4	.	19.9	22.2	20.7	18.6	.	.	.	.	.	.	.
		P14	30.2	.	28.5	29.5	32.3	30.4	.	.	.	.	.	.	.
		P17	36.3	.	35.3	38.7	34.0	37.0	.	.	.	.	.	.	.
		P21	48.7	.	43.9	47.7	52.5	50.6	.	.	.	.	.	.	.
264	Male	P1	6.2	6.0	6.2	6.4	6.2	6.1	6.2	.	.	.	.	.	.
		P4pr	9.8	9.4	10.1	9.6	9.9	9.9	9.7	.	.	.	.	.	.
		P4po	9.8	9.4	10.1	9.6	9.9	.	.	.	.	.	.	.	.
		P7	16.8	16.8	17.0	16.4	16.8	.	.	.	.	.	.	.	.
		P10	24.2	24.2	24.2	24.4	23.9	.	.	.	.	.	.	.	.
		P14	33.7	33.6	33.4	34.2	33.5	.	.	.	.	.	.	.	.
		P17	41.4	42.3	41.0	41.0	41.1	.	.	.	.	.	.	.	.
		P21	53.9	53.5	54.5	52.4	55.1	.	.	.	.	.	.	.	.

CONFIDENTIAL

Provantis

02-Nov-2020 10:28:26

Page: 55

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
264	Female	P1	5.9	6.0	5.7	6.2	5.9	5.5	6.3	5.7	.	.	.	.	.
		P4pr	9.3	9.5	9.6	8.7	9.1	9.2	9.3	9.8	.	.	.	.	.
		P4po	9.4	9.5	9.6	8.7	.	.	.	9.8	.	.	.	.	.
		P7	16.5	16.9	16.9	15.6	.	.	.	16.6	.	.	.	.	.
		P10	23.9	24.6	24.0	24.3	.	.	.	22.6	.	.	.	.	.
		P14	34.2	34.9	32.8	35.2	.	.	.	34.0	.	.	.	.	.
		P17	41.4	42.3	39.8	42.4	.	.	.	41.2	.	.	.	.	.
265	Male	P21	53.8	54.1	53.7	52.7	.	.	.	54.6	.	.	.	.	.
		P1	5.2	5.7	4.9	5.2	5.1	.	.	.	.	.	.	.	.
		P4pr	7.8	8.0	7.2	7.4	8.5	.	.	.	.	.	.	.	.
		P4po	7.8	8.0	7.2	7.4	8.5	.	.	.	.	.	.	.	.
		P7	14.3	16.1	12.9	14.7	13.5	.	.	.	.	.	.	.	.
		P10	22.3	22.6	24.4	21.0	21.1	.	.	.	.	.	.	.	.
		P14	33.4	31.6	33.9	32.4	35.5	.	.	.	.	.	.	.	.
	Female	P17	40.6	39.1	41.2	42.5	39.5	.	.	.	.	.	.	.	.
		P21	54.2	56.5	51.7	55.2	53.4	.	.	.	.	.	.	.	.
		P1	5.1	5.6	5.5	4.9	4.7	5.0	5.0	5.2	5.1	5.4	5.1	4.3	5.0
		P4pr	7.3	7.5	7.3	7.5	6.3	7.7	7.1	7.8	7.3	7.6	7.2	6.9	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26 Page: 56

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count												
				1	2	3	4	5	6	7	8	9	10	11	12
265	Female	P4po	7.1	.	7.3	.	6.3	.	.	.	.	7.6	7.2	.	.
		P7	13.2	.	14.0	.	14.0	.	.	.	.	13.2	11.6	.	.
		P10	21.1	.	21.3	.	22.2	.	.	.	.	19.5	21.4	.	.
		P14	31.7	.	31.9	.	32.1	.	.	.	.	30.0	32.9	.	.
		P17	38.7	.	39.2	.	39.7	.	.	.	.	37.4	38.5	.	.
		P21	52.0	.	52.1	.	51.0	.	.	.	.	53.4	51.4	.	.
266	Male	P1	7.3	7.2	7.4	7.3	.	.	.	.	.	.	.	.	.
		P4pr	11.7	11.7	11.2	12.1	.	.	.	.	.	.	.	.	.
		P4po	11.7	11.7	11.2	12.1	.	.	.	.	.	.	.	.	.
		P7	19.2	19.4	19.2	19.0	.	.	.	.	.	.	.	.	.
		P10	27.1	27.4	26.5	27.3	.	.	.	.	.	.	.	.	.
		P14	37.1	36.9	37.0	37.4	.	.	.	.	.	.	.	.	.
	Female	P17	44.4	44.0	44.7	44.6	.	.	.	.	.	.	.	.	.
		P21	59.5	59.8	60.9	57.9	.	.	.	.	.	.	.	.	.
		P1	7.0	7.2	6.6	7.1	7.3	7.2	6.8	7.4	6.6	.	.	.	.
		P4pr	11.5	11.8	11.3	11.6	11.5	10.9	11.6	12.2	10.9	.	.	.	.
		P4po	11.6	11.8	11.3	.	.	.	11.6	12.2	10.9	.	.	.	.
P7	18.8	18.7	18.6	.	.	.	.	18.8	19.8	18.2	.	.	.	.

CONFIDENTIAL

Provantis
 Individual Pup Body Weights (grams)

02-Nov-2020 10:28:26 Page: 57

20256434

Day(s): - Relative to Littering (Litter: A)

BNT162b2 30mcg															
Dam	Pup Sex	Meas.	Mean/ Count	1	2	3	4	5	6	7	8	9	10	11	12
			266	Female	P10	26.6	26.6	28.0	.	.	.	25.6	26.7	26.2	.
		P14	36.7	36.6	37.0	.	.	.	38.1	36.8	35.2
		P17	43.1	41.6	43.7	.	.	.	43.1	42.3	44.8
		P21	56.3	53.3	58.4	.	.	.	57.8	54.8	57.1

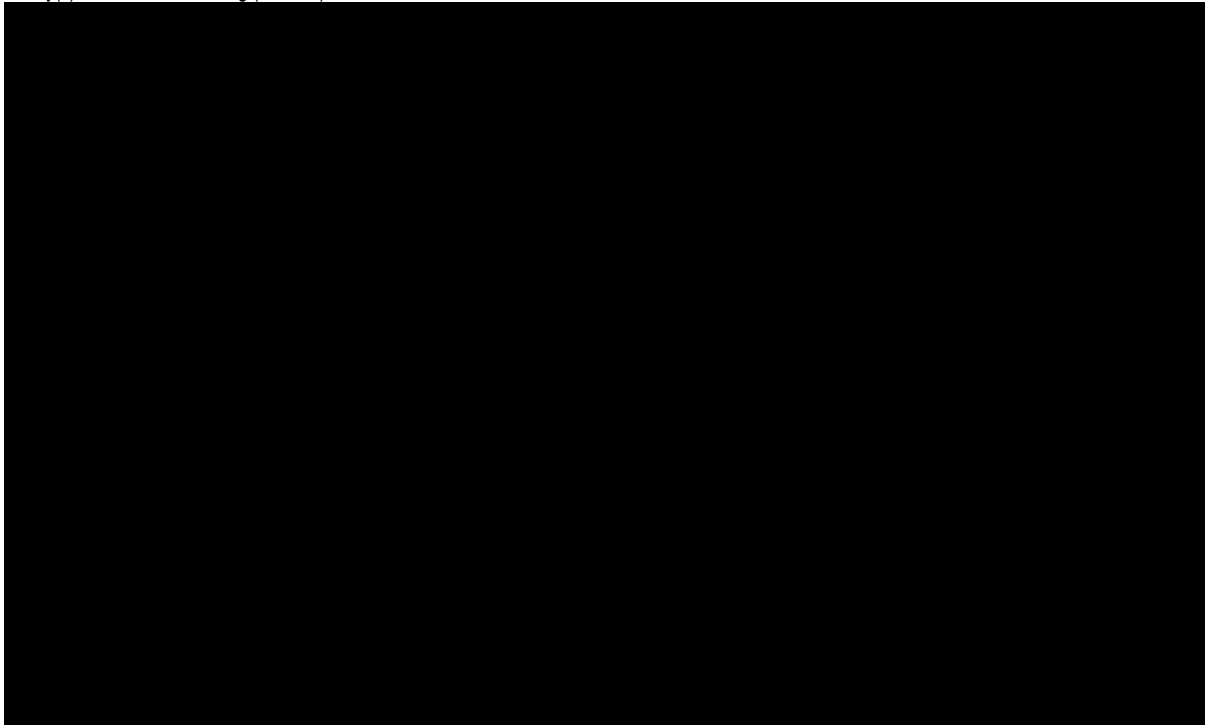
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Provantis
Individual Pup Body Weights (grams)
20256434

02-Nov-2020 10:28:26

Page: 58

Day(s) - Relative to Littering (Litter: A)



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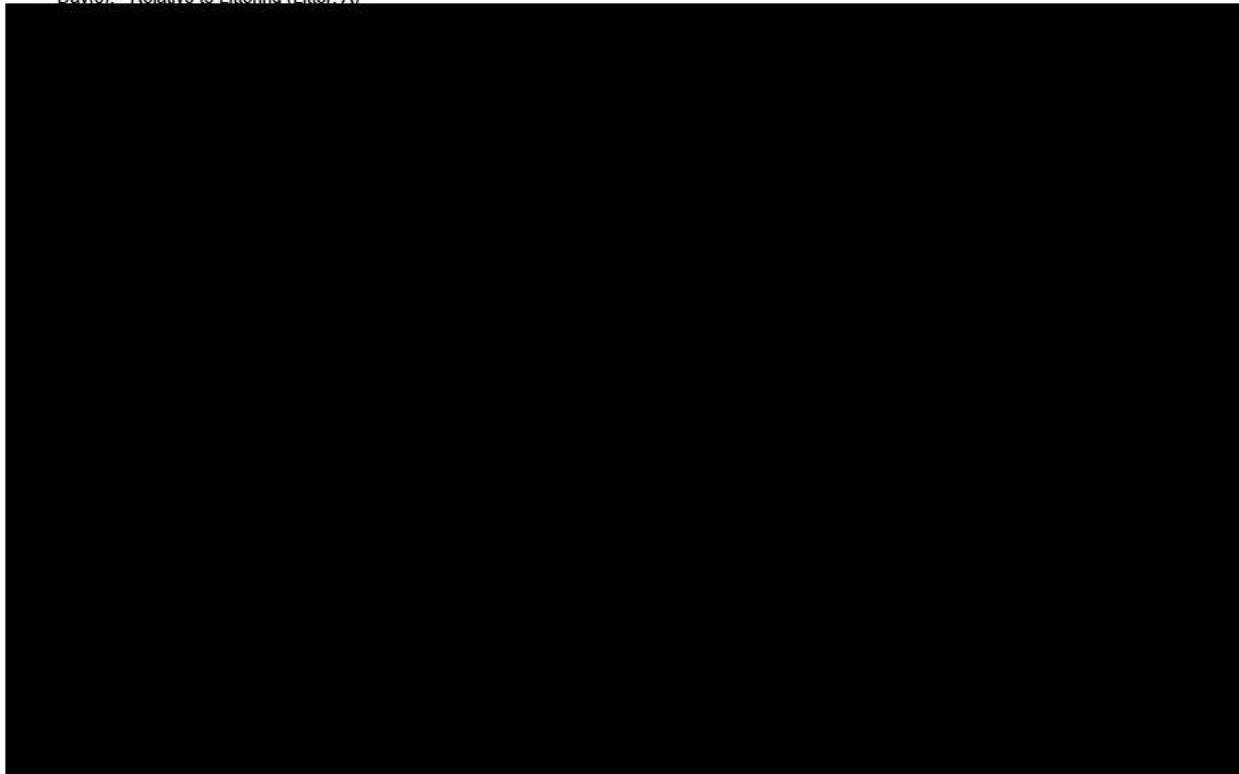
02-Nov-2020 10:28:26

Page: 59

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



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Provantis

02-Nov-2020 10:28:26

Page: 60

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



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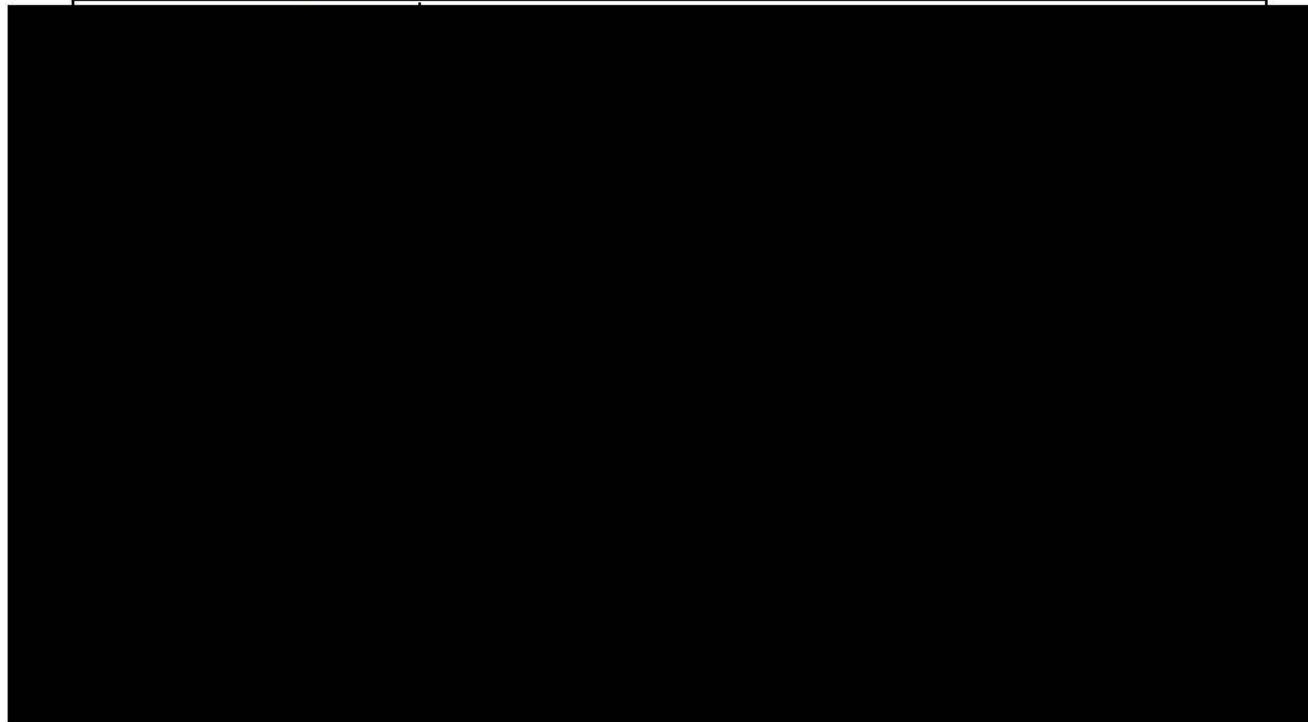
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Page: 61

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



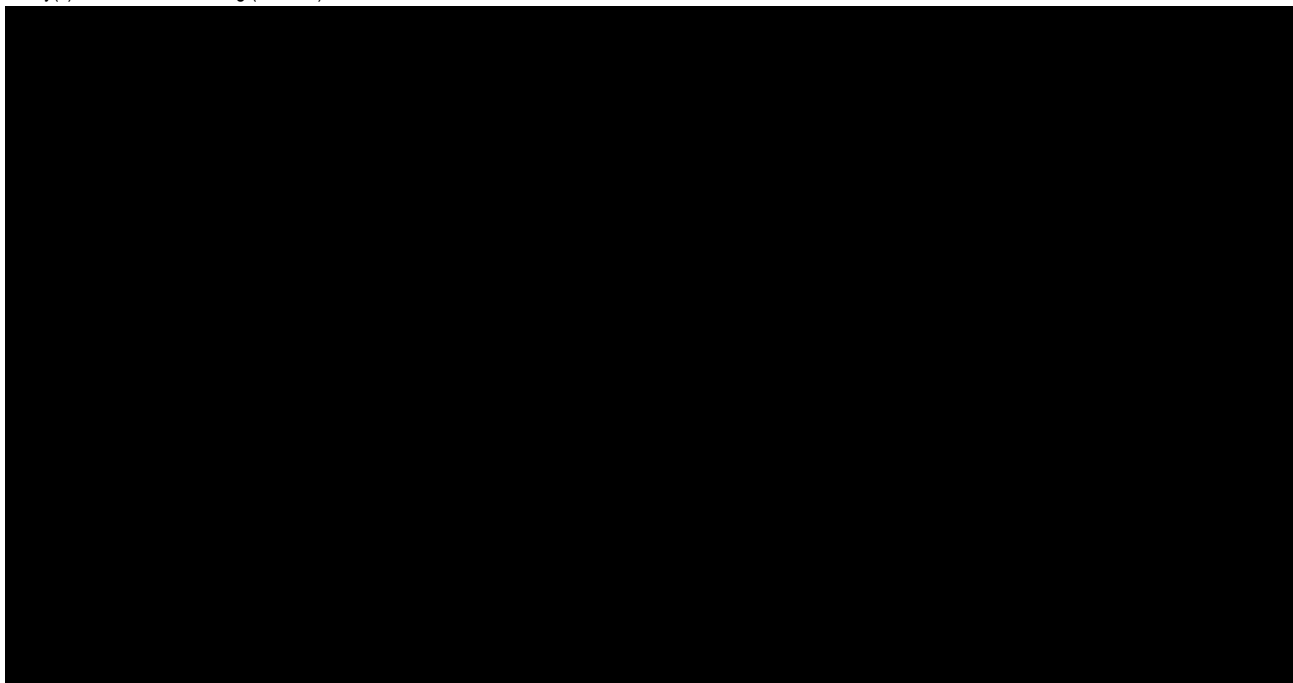
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Provantis
Individual Pup Body Weights (grams)
20256434

02-Nov-2020 10:28:26

Page: 62

Day(s) - Relative to Littering (Litter: A)



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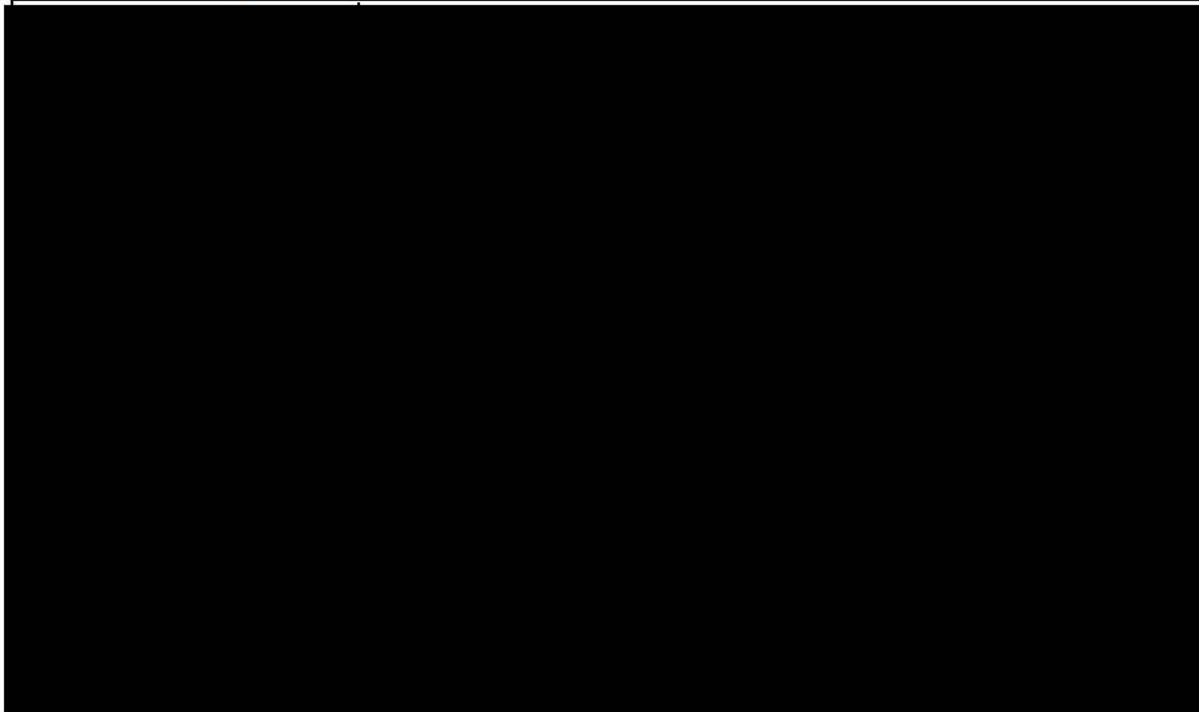
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Page: 63

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



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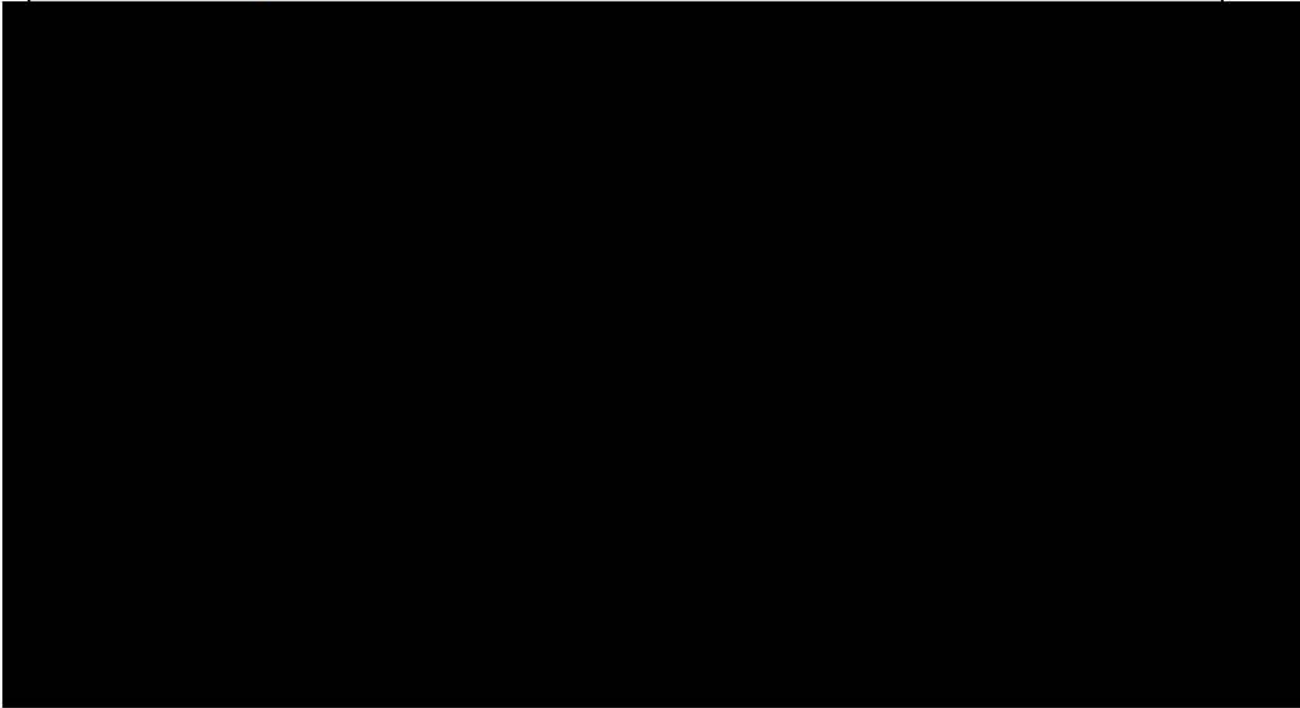
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Page: 64

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



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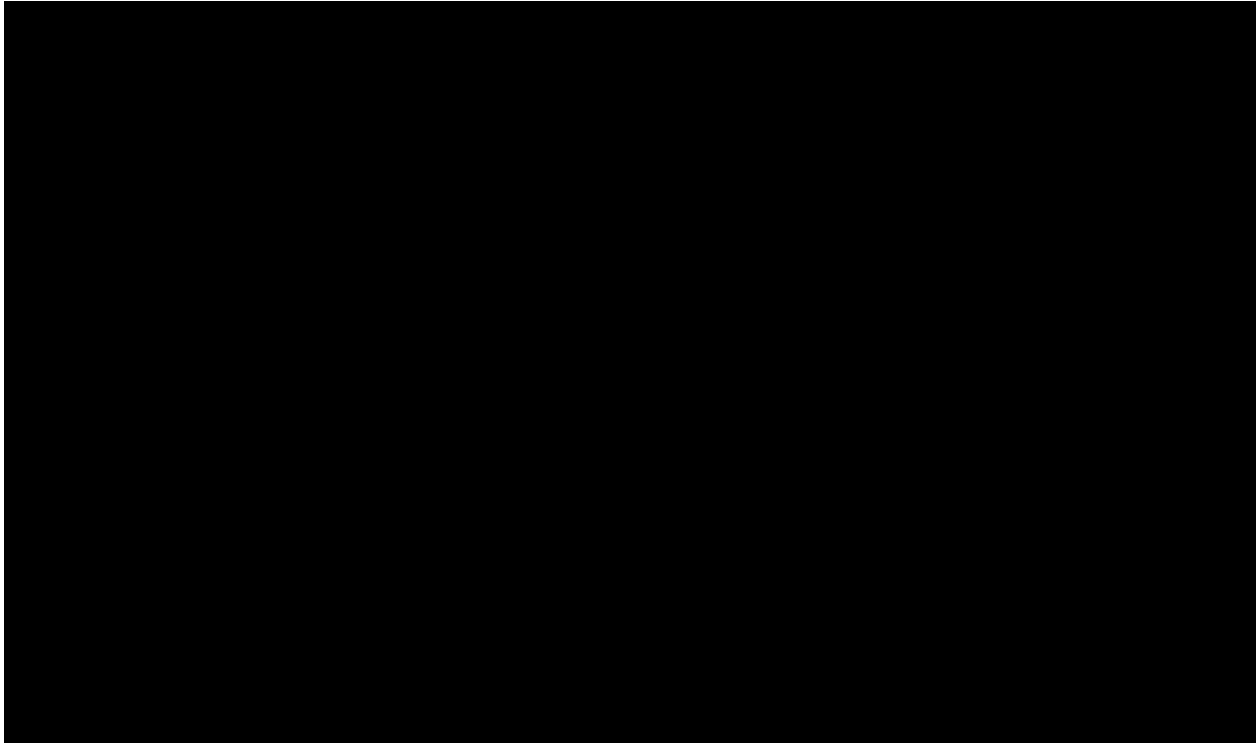
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Page: 65

Individual Pup Body Weights (grams)

20256434

Day(s) - Relative to Littering (Litter: A)



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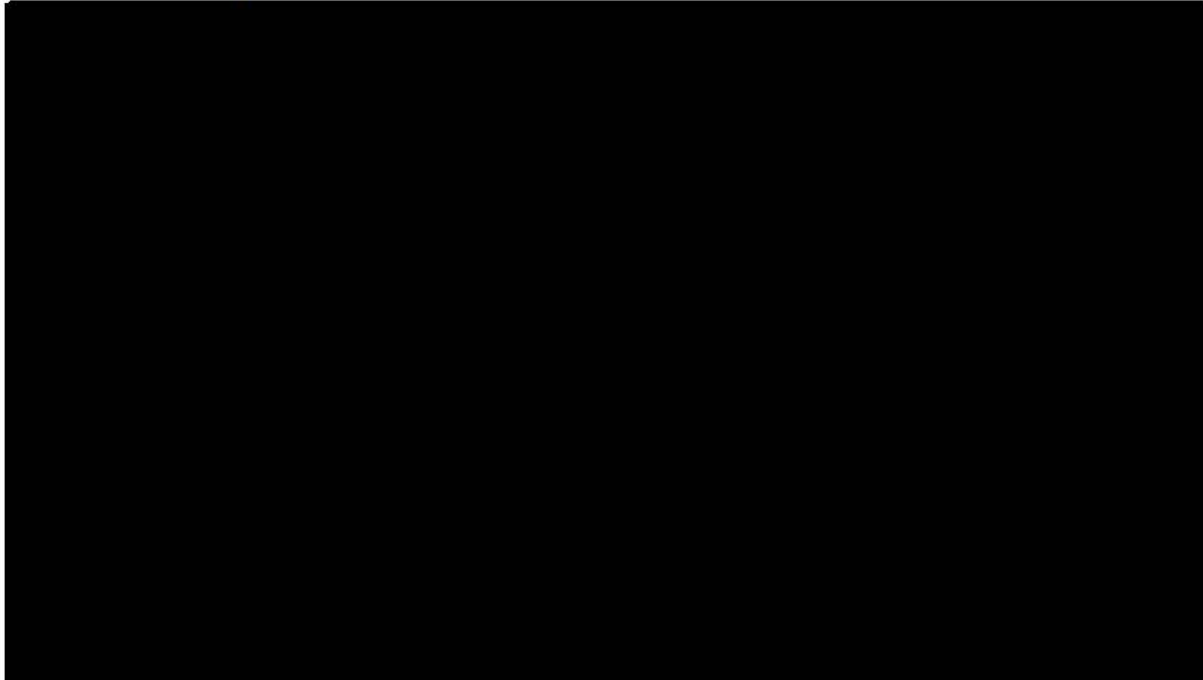
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Page: 66

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



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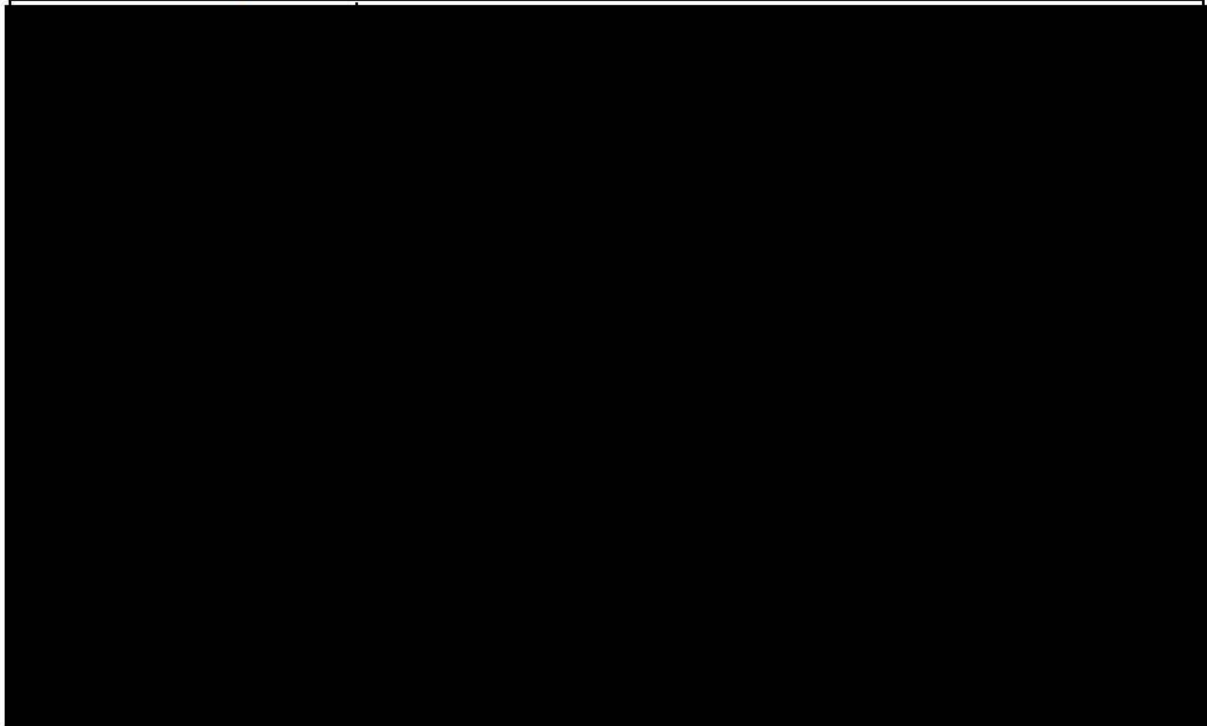
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Page: 67

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



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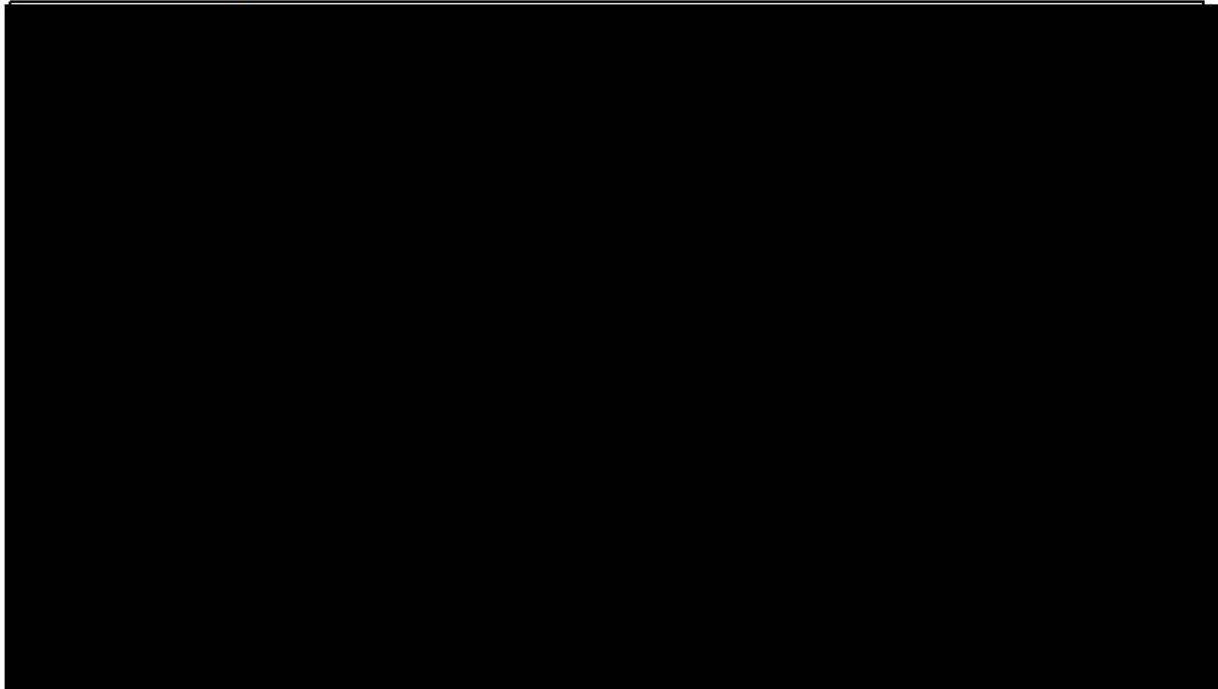
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Page: 68

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



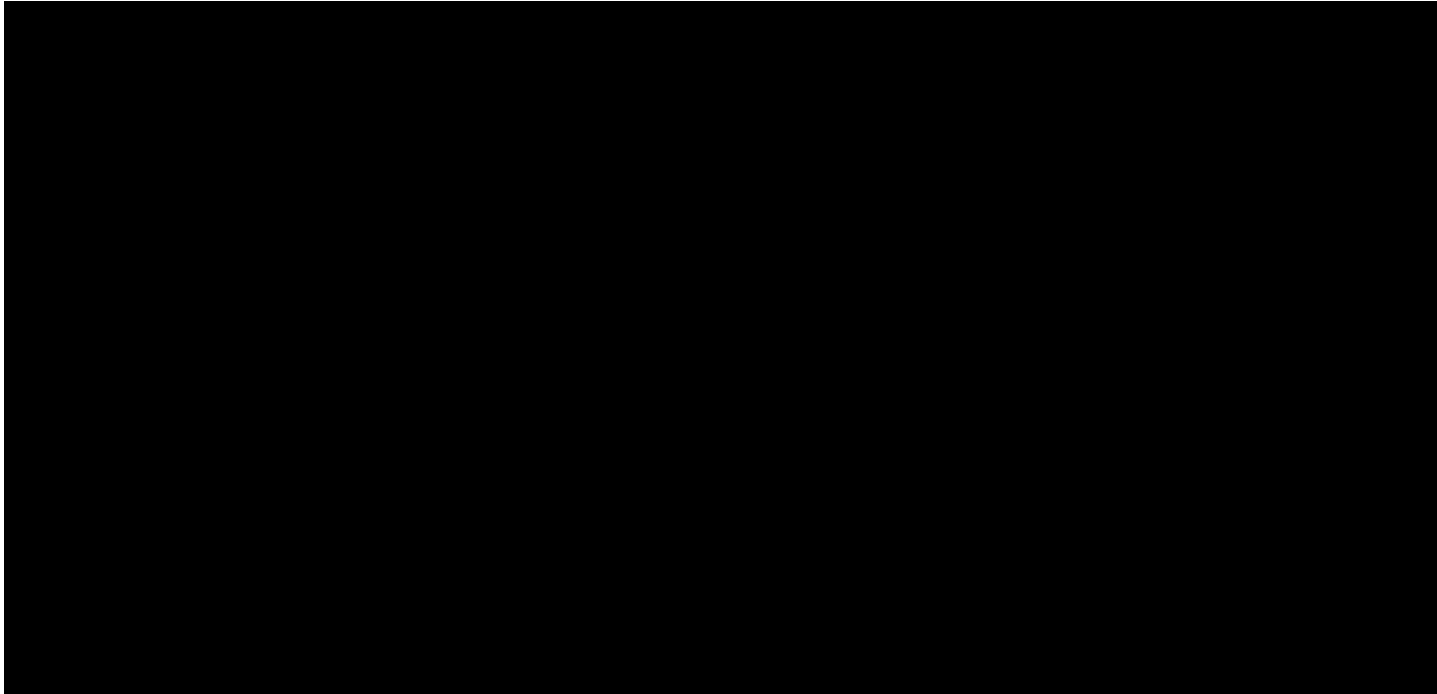
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Provantis
Individual Pup Body Weights (grams)
20256434

02-Nov-2020 10:28:26

Page: 69

Day(s) - Relative to Littering (Litter: A)



Provantis

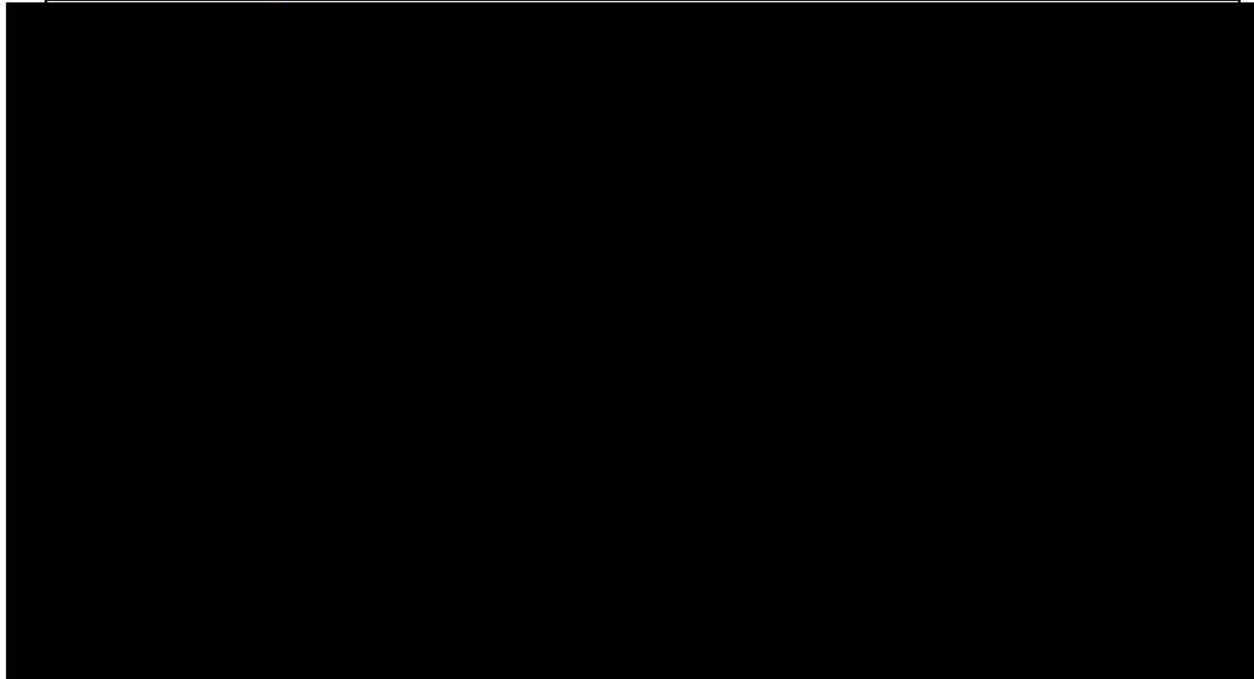
02-Nov-2020 10:28:26

Page: 70

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



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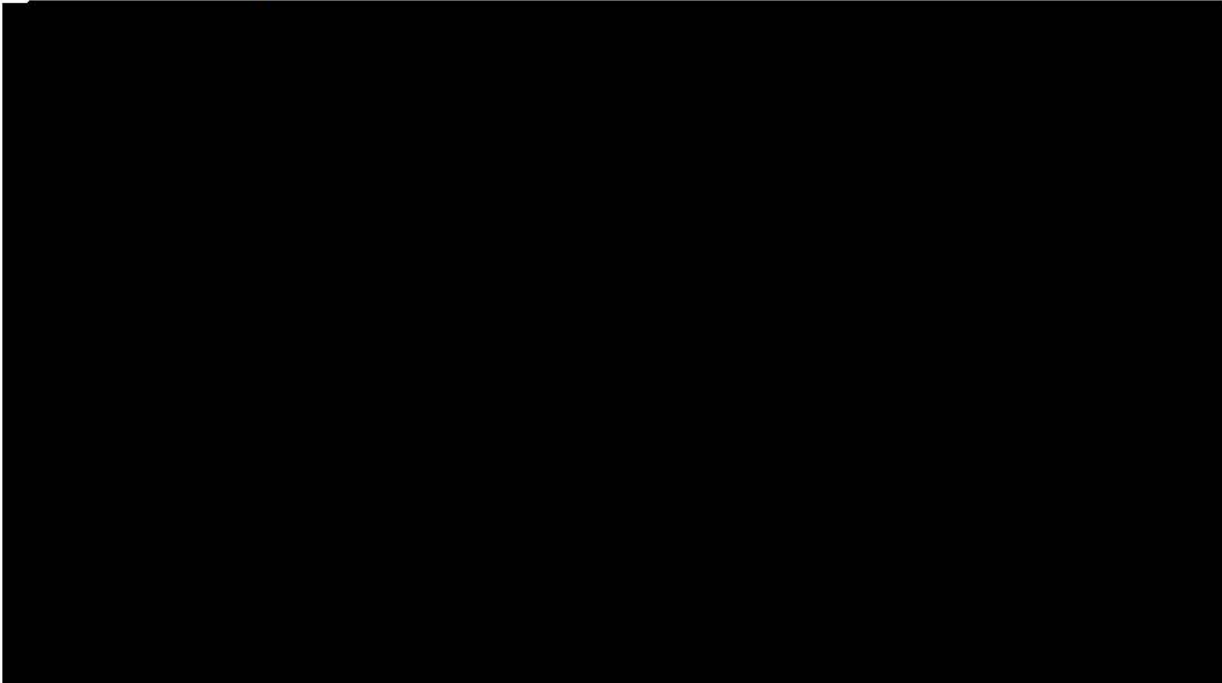
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Page: 71

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

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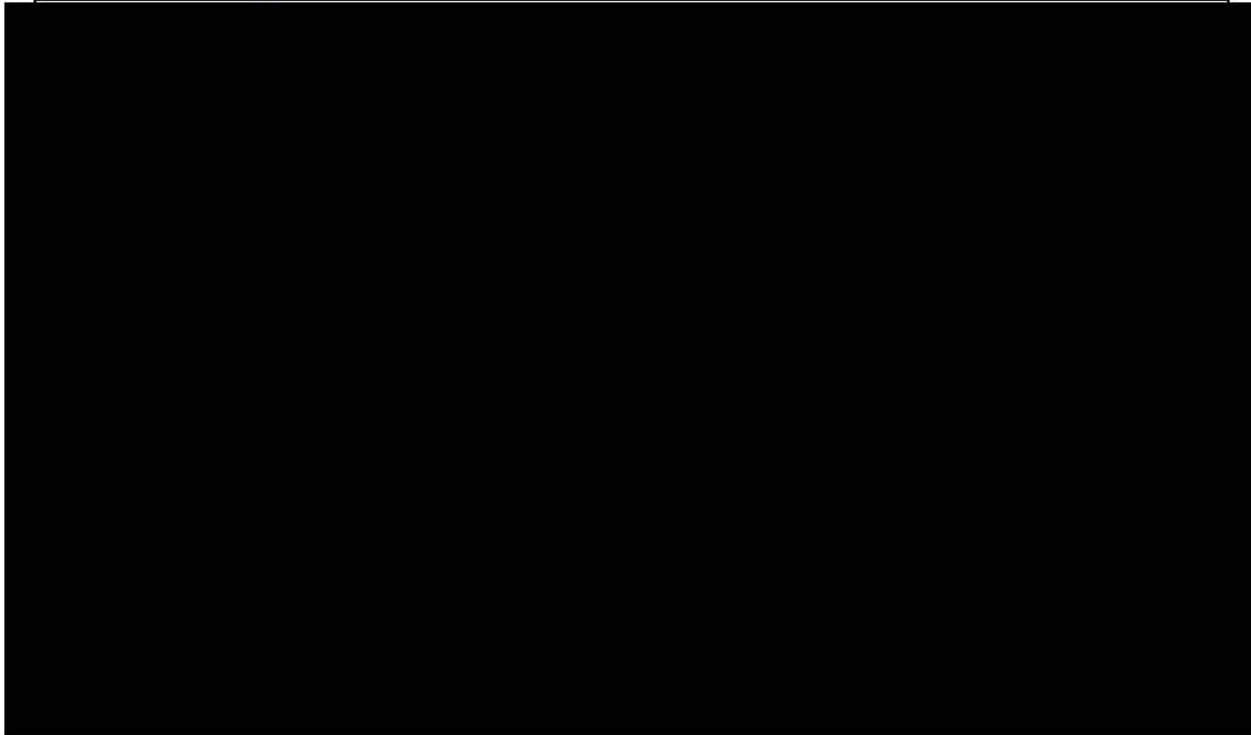
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Page: 72

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

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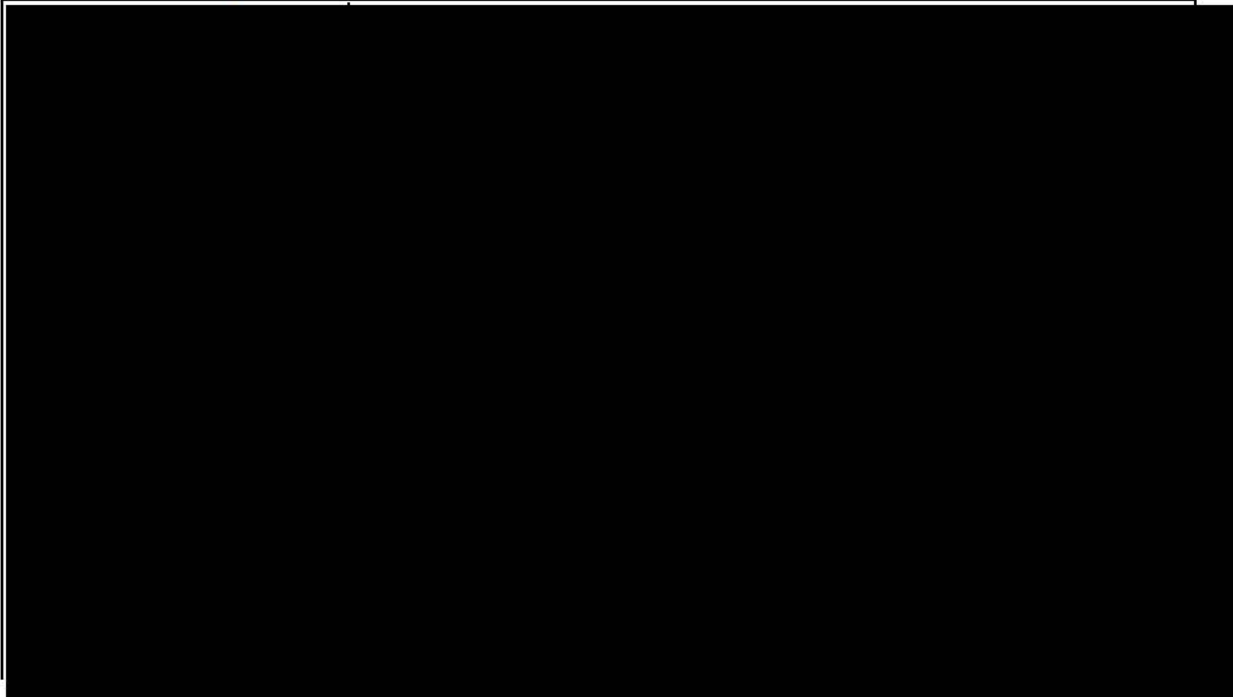
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Page: 73

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

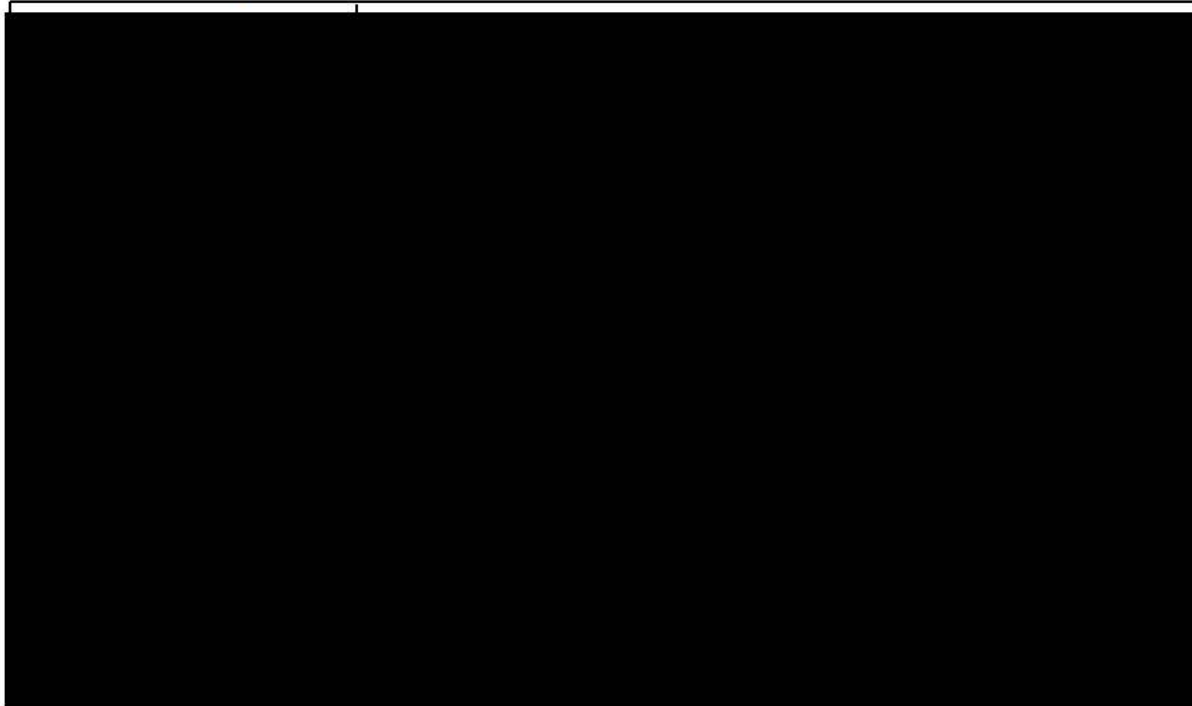
02-Nov-2020 10:28:26

Page: 74

Individual Pup Body Weights (grams)

20256434

Day(s): - Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

17-Nov-2020 08:16:13

Page: 1

Individual Physical and Functional Development - Pinna Unfolding

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Pinna Unfolding			
	Pinna Unfolding	Pinna Unfolding	Pinna Unfolding	Pinna Unfolding
	1	2	3	4
201	0/14	1/14	14/14	.
202	0/10	3/10	10/10	.
203	0/13	12/13	13/13	.
204	0/13	13/13	.	.
205	0/11	11/11	.	.
206	0/16	3/16	16/16	.
207	0/9	7/9	9/9	.
208	0/13	0/13	7/13	13/13
209	0/10	7/10	10/10	.
210	10/10	.	.	.
211	0/13	4/13	13/13	.
212	0/19	8/19	19/19	.
213	0/12	6/12	12/12	.
214	0/13	1/13	13/13	.
215	0/13	11/13	13/13	.
216	0/14	1/14	14/14	.
217	0/13	8/13	13/13	.
218	0/10	9/10	10/10	.

CONFIDENTIAL

Provantis

17-Nov-2020 08:16:13

Page: 2

Individual Physical and Functional Development - Pinna Unfolding

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Pinna Unfolding	Pinna Unfolding	Pinna Unfolding	Pinna Unfolding
	1	2	3	4
219	0/14	6/14	14/14	.
220	0/15	1/15	15/15	.
221	0/15	13/15	15/15	.
222	0/15	4/15	14/14	.

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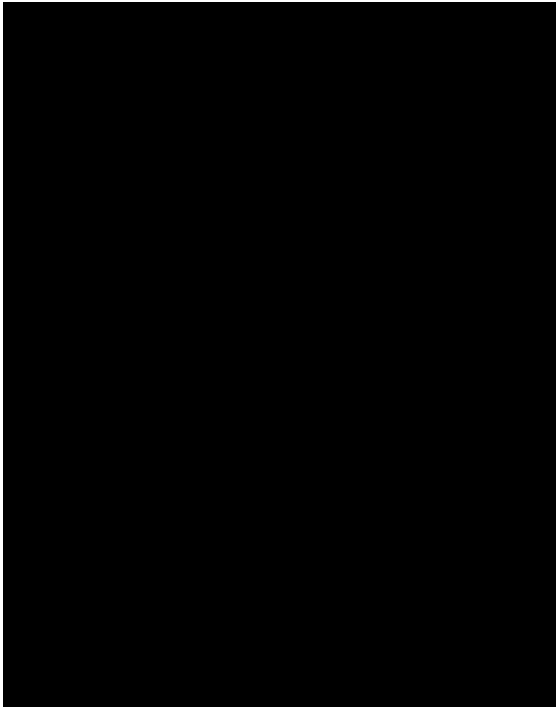
17-Nov-2020 08:16:13

Page: 3

Individual Physical and Functional Development - Pinna Unfolding

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

17-Nov-2020 08:16:13

Page: 4

Individual Physical and Functional Development - Pinna Unfolding

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

17-Nov-2020 08:16:13

Page: 5

Individual Physical and Functional Development - Pinna Unfolding

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Pinna Unfolding	Pinna Unfolding	Pinna Unfolding	Pinna Unfolding
	1	2	3	4
245	0/16	16/16	.	.
246	0/12	0/12	12/12	.
247	0/13	4/13	13/13	.
248	0/11	7/11	11/11	.
249	0/17	1/17	17/17	.
250	0/12	7/12	12/12	.
251	0/17	2/17	14/16	15/16
252	0/11	9/11	11/11	.
253	0/12	1/12	12/12	.
255	3/3	.	.	.
256	0/15	7/15	15/15	.
257	0/15	6/15	15/15	.
258	0/15	14/15	15/15	.
259	0/15	11/15	15/15	.
260	3/13	13/13	.	.
261	0/11	11/11	.	.
262	0/13	8/13	13/13	.
263	0/12	0/12	12/12	.

CONFIDENTIAL

Provantis

17-Nov-2020 08:16:13

Page: 6

Individual Physical and Functional Development - Pinna Unfolding

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Pinna Unfolding	Pinna Unfolding	Pinna Unfolding	Pinna Unfolding
	1	2	3	4
264	0/13	2/13	13/13	.
265	0/16	1/16	15/16	15/15
266	0/11	7/11	11/11	.

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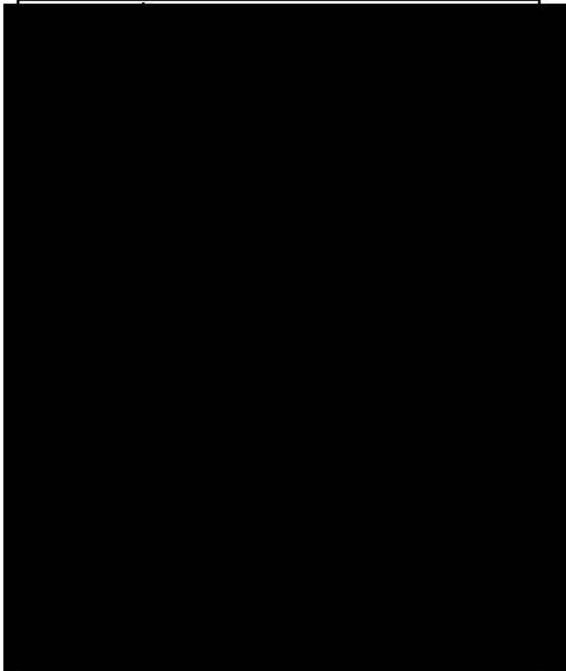
17-Nov-2020 08:16:13

Page: 7

Individual Physical and Functional Development - Pinna Unfolding

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



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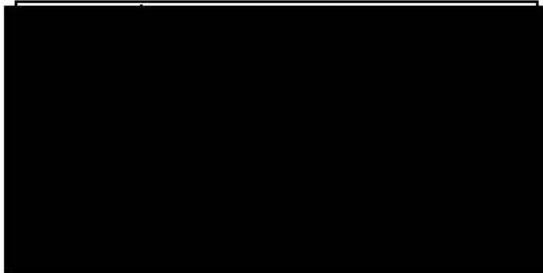
17-Nov-2020 08:16:13

Page: 8

Individual Physical and Functional Development - Pinna Unfolding

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

02-Nov-2020 09:49:13

Page: 1

Individual Physical and Functional Development - Eye Opening

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Eyes Opening				
	Eyes Opening	Eyes Opening	Eyes Opening	Eyes Opening	Eyes Opening
	12	13	14	15	16
201	0/8	2/8	7/8	8/8	.
202	0/8	0/8	4/8	8/8	.
203	0/8	1/8	8/8	.	.
204	0/8	6/8	8/8	.	.
205	0/8	5/8	8/8	.	.
206	0/8	0/8	3/8	8/8	.
207	0/8	0/8	8/8	.	.
208	0/8	0/8	1/8	8/8	.
209	0/8	0/8	8/8	.	.
210	0/8	7/8	8/8	.	.
211	0/8	0/8	6/8	7/8	8/8
212	0/8	1/8	8/8	.	.
213	0/8	5/8	8/8	.	.
214	0/8	0/8	5/8	8/8	.
215	0/8	2/8	8/8	.	.
216	0/8	1/8	6/8	8/8	.
217	0/8	1/8	8/8	.	.
218	0/8	0/8	5/8	8/8	.

CONFIDENTIAL

Provantis

02-Nov-2020 09:49:13

Page: 2

Individual Physical and Functional Development - Eye Opening

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Eyes Opening				
	Eyes Opening	Eyes Opening	Eyes Opening	Eyes Opening	Eyes Opening
	12	13	14	15	16
219	0/8	0/8	7/8	8/8	.
220	0/8	1/8	7/8	8/8	.
221	0/8	2/8	8/8	.	.
222	0/8	0/8	7/8	8/8	.

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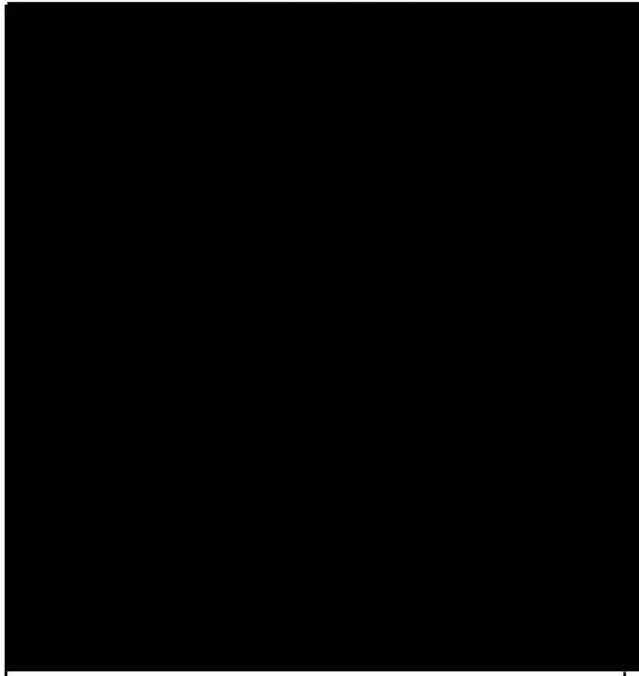
02-Nov-2020 09:49:13

Page: 3

Individual Physical and Functional Development - Eye Opening

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

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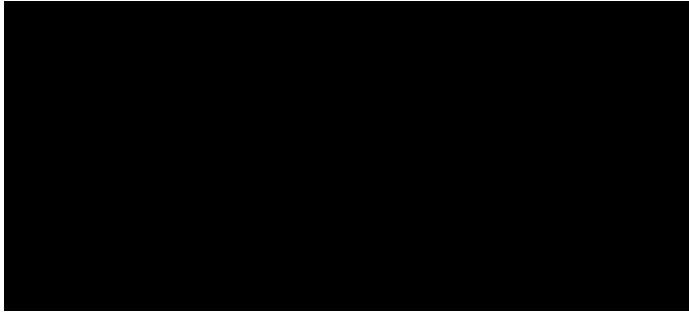
02-Nov-2020 09:49:13

Page: 4

Individual Physical and Functional Development - Eye Opening

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

02-Nov-2020 09:49:13

Page: 5

Individual Physical and Functional Development - Eye Opening

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Eyes Opening				
	Eyes Opening	Eyes Opening	Eyes Opening	Eyes Opening	Eyes Opening
	12	13	14	15	16
245	0/8	2/8	8/8	.	.
246	0/8	0/8	5/8	8/8	.
247	0/8	0/8	2/8	4/8	8/8
248	0/8	0/8	7/8	8/8	.
249	0/8	0/8	4/8	8/8	.
250	0/8	0/8	8/8	.	.
251	0/8	0/8	4/8	8/8	.
252	0/8	0/8	7/8	8/8	.
253	0/8	2/8	5/8	8/8	.
255	2/3	2/3	3/3	.	.
256	0/8	0/8	8/8	.	.
257	0/8	1/8	8/8	.	.
258	0/8	0/8	5/8	8/8	.
259	0/8	0/8	7/8	8/8	.
260	0/8	4/8	7/8	8/8	.
261	0/8	1/8	8/8	.	.
262	0/8	0/8	7/8	8/8	.
263	0/8	0/8	4/8	8/8	.

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Provantis

02-Nov-2020 09:49:13

Page: 6

Individual Physical and Functional Development - Eye Opening

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Eyes Opening				
	Eyes Opening	Eyes Opening	Eyes Opening	Eyes Opening	Eyes Opening
	12	13	14	15	16
264	0/8	0/8	6/8	0/8	8/8
265	0/8	0/8	7/8	8/8	.
266	0/8	0/8	8/8	.	.

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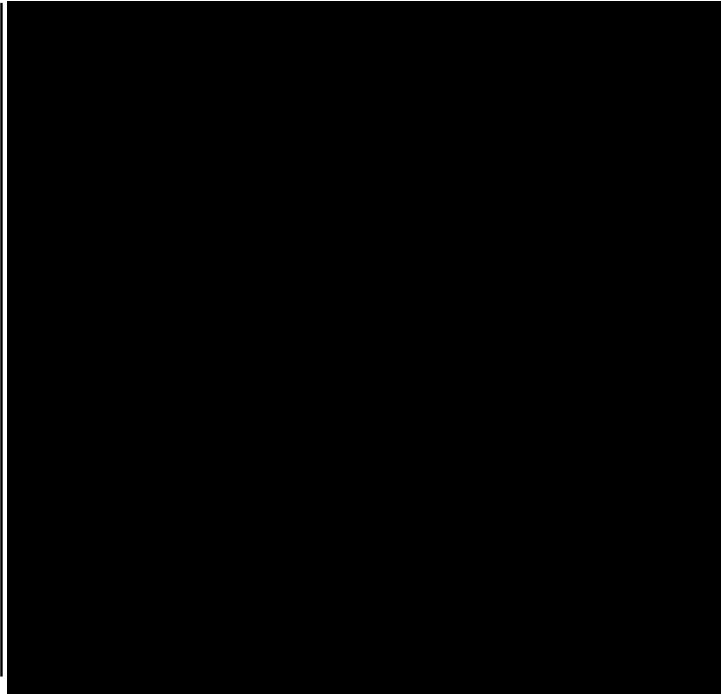
02-Nov-2020 09:49:13

Page: 7

Individual Physical and Functional Development - Eye Opening

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

02-Nov-2020 09:49:13

Page: 8

Individual Physical and Functional Development - Eye Opening

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

02-Nov-2020 09:53:46

Page: 1

Individual Reflex and Functional Tests

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg		
	Pupillary Reflex	Auditory Reflex
	21	21
201	8/8	8/8
202	8/8	8/8
203	8/8	8/8
204	8/8	8/8
205	8/8	8/8
206	8/8	8/8
207	7/7	7/7
208	8/8	8/8
209	8/8	8/8
210	8/8	8/8
211	8/8	8/8
212	8/8	8/8
213	8/8	8/8
214	8/8	8/8
215	8/8	8/8
216	8/8	8/8
217	8/8	8/8
218	8/8	8/8

CONFIDENTIAL

Provantis

02-Nov-2020 09:53:46

Page: 2

Individual Reflex and Functional Tests

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

Control 0mcg	Pupillary Reflex	Auditory Reflex
	21	21
219	8/8	8/8
220	8/8	8/8
221	8/8	8/8
222	8/8	8/8

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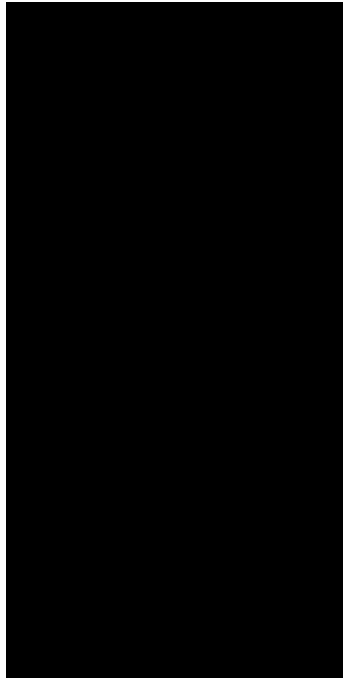
02-Nov-2020 09:53:46

Page: 3

Individual Reflex and Functional Tests

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

02-Nov-2020 09:53:46

Page: 4

Individual Reflex and Functional Tests

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis
 Individual Reflex and Functional Tests
 20256434

02-Nov-2020 09:53:46

Page: 5

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Pupillary Reflex	Auditory Reflex
	21	21
245	8/8	8/8
246	8/8	8/8
247	8/8	8/8
248	8/8	8/8
249	8/8	8/8
250	8/8	8/8
251	8/8	8/8
252	8/8	8/8
253	8/8	8/8
255	3/3	3/3
256	8/8	8/8
257	8/8	8/8
258	8/8	8/8
259	8/8	8/8
260	8/8	8/8
261	8/8	8/8
262	8/8	8/8
263	8/8	8/8

CONFIDENTIAL

Provantis

02-Nov-2020 09:53:46

Page: 6

Individual Reflex and Functional Tests

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)

BNT162b2 30mcg	Pupillary Reflex	Auditory Reflex
	21	21
264	8/8	8/8
265	8/8	8/8
266	8/8	8/8

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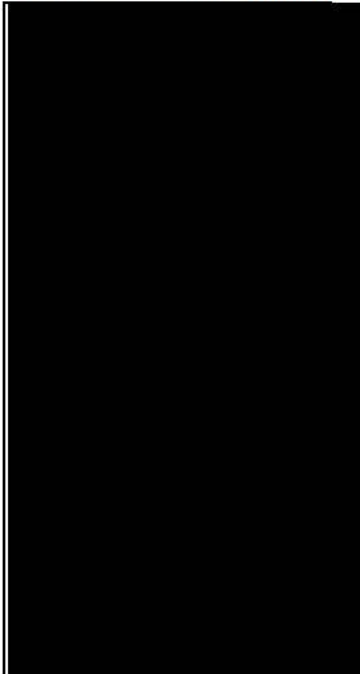
02-Nov-2020 09:53:46

Page: 7

Individual Reflex and Functional Tests

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

02-Nov-2020 09:53:46

Page: 8

Individual Reflex and Functional Tests

20256434

Sex: Female Day(s) Relative to Littering (Litter: A)



CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 1

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 201 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

Provantis

Date: 13-Nov-2020 9:32 Page: 2

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 202 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: Correlated with:

NO CORRELATE; -----
No correlate Malocclusion (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 3

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 203 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 4

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 204 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

Correlated with:

NO CORRELATE;

No correlate Localised hairloss; Left forelimb (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 5

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 205 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 6

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 206 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 7

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 207 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 8

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 208 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 30SEP2020 Study Day No. (Week): 66 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 30SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 9

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 209 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 30SEP2020 Study Day No. (Week): 66 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 30SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 10

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 210 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 11

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 211 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 30SEP2020 Study Day No. (Week): 66 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 30SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 12

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 212 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 13

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 213 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 14

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 214 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 30SEP2020 Study Day No. (Week): 66 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 30SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

Correlated with:

NO CORRELATE;

No correlate Localised hairloss; Left and right forelimbs (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 15

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 215 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 30SEP2020 Study Day No. (Week): 66 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 30SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

NO CORRELATE;

No correlate

Correlated with:

Localised hairloss; Left and right forelimbs (C)
Nodule(s).; Nose (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 16

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 216 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 17

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 217 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 18

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 218 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 19

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 219 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 20

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 220 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

NO CORRELATE;

No correlate

Correlated with:

Localised hairloss; Thorax (C)

Localised hairloss; Left and right forelimbs (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 21

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 221 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

Correlated with:

SKIN/SUBCUTIS;

Sore/crust; hindlimb; single; left (TGL)	Scab(s).; Left hindlimb (C)
Sore/crust; abdominal region; single (TGL)	Scab(s).; Clipped area (C)
Sore/crust; abdominal region; single (TGL)	Scab(s).; Abdomen (C)
	Sore(s); Abdomen; Slight (C)

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 22

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 222 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

Correlated with:

NO CORRELATE;

No correlate Localised hairloss; Whole body (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 23

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 1 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 331.3g GRAVID UTERUS : 79.3g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 24

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 2 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 353.0g GRAVID UTERUS : 94.8g

Gross Pathology Observations:

Correlated with:

NO CORRELATE;

No correlate Localised hairloss; Left and right forelimbs (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 25

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 3 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 372.5g GRAVID UTERUS : 98.7g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 26

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 4 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 23SEP2020 Study Day No. (Week): 45 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 23SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 367.1g GRAVID UTERUS : 86.5g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 27

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 5 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 340.0g GRAVID UTERUS : 85.4g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 28

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 6 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 372.6g GRAVID UTERUS : 69.4g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 29

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 7 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 23SEP2020 Study Day No. (Week): 45 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 23SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 401.1g GRAVID UTERUS : 93.5g

Gross Pathology Observations:

Correlated with:

SKIN/SUBCUTIS;

Alopecia; forelimb; single; left (TGL) Localised hairloss; Left forelimb (C)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

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Provantis

Date: 13-Nov-2020 9:32 Page: 30

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 8 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 365.0g GRAVID UTERUS : 79.0g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 31

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 9 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 371.2g GRAVID UTERUS : 89.3g

Gross Pathology Observations: None

Probable cause of death: None

Provantis

Date: 13-Nov-2020 9:32 Page: 32

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 10 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 23SEP2020 Study Day No. (Week): 45 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 23SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 353.4g GRAVID UTERUS : 78.6g

Gross Pathology Observations:

LIVER;

Hernia; between right and left median lobes; diaphragm (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 33

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 11 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 360.9g GRAVID UTERUS : 80.7g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 34

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 12 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 361.1g GRAVID UTERUS : 85.1g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 35

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 13 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 348.6g GRAVID UTERUS : 86.1g

Gross Pathology Observations:

Correlated with:

NO CORRELATE;

No correlate Localised hairloss; Left and right forelimbs (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 36

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 14 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 346.1g GRAVID UTERUS : 84.4g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 37

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 15 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 53 (8) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 388.3g GRAVID UTERUS : 88.9g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 38

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 16 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 348.6g GRAVID UTERUS : 81.9g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 39

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 17 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 04OCT2020 Study Day No. (Week): 56 (8) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 04OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 429.2g GRAVID UTERUS : 96.3g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 40

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 18 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: 398.9g

Organ Weights:

NECROPSY BODYWEIGHT : 398.9g GRAVID UTERUS : 95.6g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 41

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 19 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 331.3g GRAVID UTERUS : 77.8g

Gross Pathology Observations:

LIVER;

Hernia; between right and left median lobes; diaphragm (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 42

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 20 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 272.7g GRAVID UTERUS : NRQ

Gross Pathology Observations:

Correlated with:

NO CORRELATE;

No correlate Localised hairloss; Left and right forelimbs (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation, NRQ = Not required

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 43

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 21 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 361.8g GRAVID UTERUS : 97.4g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 44

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 22 Group: 1 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: Control 0mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 394.8g GRAVID UTERUS : 84.1g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 89

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 245 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

Correlated with:

NO CORRELATE;

No correlate Localised hairloss; Left and right forelimbs (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 90

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 246 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 91

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 247 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 30SEP2020 Study Day No. (Week): 66 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 30SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 92

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 248 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 30SEP2020 Study Day No. (Week): 66 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 30SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 93

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 249 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 94

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 250 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 95

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 251 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 96

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 252 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 97

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 253 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 30SEP2020 Study Day No. (Week): 66 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 30SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

Correlated with:

LIVER;

Mass a; papillary process; adherent to surrounding tissue;
solid; dark; heterogeneous (TGL): 2.0x2.0x1.2cm

SKIN/SUBCUTIS;

Sore/crust; back; head; many (TGL) Scab(s).; Head (C)
Scab(s).; Back (C)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 98

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 254 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 16SEP2020 Study Day No. (Week): 52 (8) Mode of Death: UNPLANNED TERMINAL SACRIFICE
Date of Necropsy: 16SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 99

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 255 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 100

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 256 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

NO CORRELATE;

No correlate

Correlated with:

Localised hairloss; Back (C)
Localised hairloss; Left and right forelimbs (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 101

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 257 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 102

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 258 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 103

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 259 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 104

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 260 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 03OCT2020 Study Day No. (Week): 69 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 03OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations:

Correlated with:

SKIN/SUBCUTIS;

Alopecia; thoracic region; single (TGL) Localised hairloss; Thorax (C)

NO CORRELATE;

No correlate Localised hairloss; Left and right forelimbs (C)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 105

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 261 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 106

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 262 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 107

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 263 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 108

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 264 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 30SEP2020 Study Day No. (Week): 66 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 30SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 109

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 265 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 67 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 110

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 266 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 02OCT2020 Study Day No. (Week): 68 (10) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 02OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 111

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 45 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 348.7g GRAVID UTERUS : 85.1g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 112

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 46 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 01OCT2020 Study Day No. (Week): 53 (8) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 01OCT2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 411.1g GRAVID UTERUS : 111.3g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 113

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 47 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 335.7g GRAVID UTERUS : 79.1g

Gross Pathology Observations:

Correlated with:

NO CORRELATE;

No correlate Swelling.; Injection site 2 (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 114

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 48 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 23SEP2020 Study Day No. (Week): 45 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 23SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 311.4g GRAVID UTERUS : 67.9g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 115

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 49 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 359.0g GRAVID UTERUS : 80.6g

Gross Pathology Observations:

Correlated with:

INJECTION SITE 2;

Firm area (TGL)

Enlarged (TGL) Swelling.; Injection site 2 (C)

Oedematous area (TGL)

Pale (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 116

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 50 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 300.4g GRAVID UTERUS : 60.9g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 117

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 51 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 394.2g GRAVID UTERUS : 104.3g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 118

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 52 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 368.7g GRAVID UTERUS : 94.2g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 119

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 53 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 356.8g GRAVID UTERUS : 99.6g

Gross Pathology Observations:

Correlated with:

SKIN/SUBCUTIS;

Sore/crust; forelimb; single; right (TGL) Scab(s).; Clipped area (C)

NO CORRELATE;

No correlate Localised hairloss; Dorsal neck region (C)

INJECTION SITE 2;

Firm area (TGL)

Enlarged (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 120

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 54 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 356.0g GRAVID UTERUS : 90.5g

Gross Pathology Observations:

Correlated with:

SKIN/SUBCUTIS;

Alopecia; forelimb; single; right; left (TGL): take on right Localised hairloss; Left and right forelimbs (C)
forelimb

INJECTION SITE 2;

Enlarged (TGL)
Pale (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 121

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 55 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 356.8g GRAVID UTERUS : 88.1g

Gross Pathology Observations:

INJECTION SITE 2;
 Firm area (TGL)
 Enlarged (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 122

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 56 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 310.2g GRAVID UTERUS : NRQ

Gross Pathology Observations: None

Probable cause of death: None

Codes Used: NRQ = Not required

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 123

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 57 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 356.3g GRAVID UTERUS : 104.5g

Gross Pathology Observations:

INJECTION SITE 2;
 Firm area (TGL)
 Enlarged (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 124

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 58 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 343.9g GRAVID UTERUS : 83.2g

Gross Pathology Observations:

INJECTION SITE 2;
 Firm area (TGL)
 Enlarged (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 125

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 59 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 359.9g GRAVID UTERUS : 83.3g

Gross Pathology Observations:

INJECTION SITE 2;
 Firm area (TGL)
 Enlarged (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 126

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 60 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 346.4g GRAVID UTERUS : 83.8g

Gross Pathology Observations: None

Probable cause of death: None

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 127

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 61 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 368.7g GRAVID UTERUS : 89.9g

Gross Pathology Observations:

Correlated with:

NO CORRELATE;

No correlate Localised hairloss; Left and right forelimbs (C)

Probable cause of death: None

Codes Used: (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 128

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 62 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 350.0g GRAVID UTERUS : 93.5g

Gross Pathology Observations: Correlated with:

SKIN/SUBCUTIS;

collected on right forelimb
Alopecia; forelimb; single; right; left (TGL) Localised hairloss; Left and right forelimbs (C)

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 129

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 63 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 22SEP2020 Study Day No. (Week): 44 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 22SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 329.7g GRAVID UTERUS : 73.5g

Gross Pathology Observations:

Correlated with:

INJECTION SITE 2;

Firm area (TGL) Swelling.; Injection site 2 (C)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 130

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 64 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 24SEP2020 Study Day No. (Week): 46 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 24SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 345.0g GRAVID UTERUS : 83.1g

Gross Pathology Observations: None

Probable cause of death: None

Provantis

Date: 13-Nov-2020 9:32 Page: 131

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 65 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 374.8g GRAVID UTERUS : 111.2g

Gross Pathology Observations:

Correlated with:

SKIN/SUBCUTIS;

Alopecia; forelimb; single; right; left (TGL): take thoracic region Localised hairloss; Left and right forelimbs (C)
Alopecia; thoracic region; abdominal; single (TGL): take thoracic region Localised hairloss; Thorax (C)
Localised hairloss; Abdomen (C)

INJECTION SITE 2;

Firm area (TGL)

Pale (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion, (C) = Clinical Observation

CONFIDENTIAL

Provantis

Date: 13-Nov-2020 9:32 Page: 132

Individual Maternal Macroscopic Observations

20256434

Animal Ref.: 66 Group: 3 Sex: Female Species: Rat Strain: Wistar: Crl: WI (Han)
Test Material: See Protocol Dose: BNT162b2 30mcg Route: Intramuscular Study Type: Reproduction
Date of Death : 25SEP2020 Study Day No. (Week): 47 (7) Mode of Death: TERMINAL SACRIFICE
Date of Necropsy: 25SEP2020 ** NECROPSY COMPLETE **

Terminal Body Weight: None

Organ Weights:

NECROPSY BODYWEIGHT : 307.3g GRAVID UTERUS : 73.0g

Gross Pathology Observations:

INJECTION SITE 2;
 Firm area (TGL)
 Enlarged (TGL)
 Pale (TGL)

Any remaining protocol required tissues, which have been examined, have no visible lesions

Probable cause of death: None

Codes Used: (TGL) = Trackable Gross Lesion

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 1

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 201	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
Dam: 202	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 2

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 202 (Continued...)	
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
Dam: 203	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
Dam: 204	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 3

Individual Pup Macroscopic Observations

20256434

Control Omcg	Findings
Dam: 204	(Continued...)
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, Abdomen Stomach, Milk
15	.....Observations, Abdomen Stomach, No milk
16	.....Observations, Abdomen Stomach, No milk
Dam: 205	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 4

Individual Pup Macroscopic Observations

20256434

Control Omcg	Findings
Dam: 205 (Continued...)	
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, Abdomen Abdomen, Autolysis.....Observations, Thorax Thoracic, Autolysis
13	.....Observations, Abdomen Abdomen, Autolysis.....Observations, Thorax Thoracic, Autolysis
14	.....Observations, General General, Cannibalized
Dam: 206	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 5

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 206	(Continued...)
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
16	.....Observations, No abnormalities detected
Dam: 207	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, Abdomen Stomach, No milk
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 6

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 208	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
Dam: 209	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 7

Individual Pup Macroscopic Observations

20256434

Control Omcg	Findings
Dam: 209 (Continued...)	
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
Dam: 210	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
Dam: 211	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 8

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 211 (Continued...)	
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
Dam: 212	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 9

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 212 (Continued...)	
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
16	.....Observations, No abnormalities detected
17	.....Observations, No abnormalities detected
18	.....Observations, No abnormalities detected
19	.....Observations, No abnormalities detected
Dam: 213	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
Dam: 214	
1	.....Observations, No abnormalities detected

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 10

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 214	(Continued...)
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
Dam: 215	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 11

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 215 (Continued...)	
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
Dam: 216	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 12

Individual Pup Macroscopic Observations

20256434

Control Omcg	Findings
Dam: 217	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, Abdomen Abdomen, Autolysis Stomach, No milk.....Observations, Thorax Thoracic, Autolysis
Dam: 218	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 13

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 218	(Continued...)
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
Dam: 219	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 14

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 219	(Continued...)
14	.....Observations, No abnormalities detected
Dam: 220	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
Dam: 221	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 15

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 221	(Continued...)
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
Dam: 222	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 16

Individual Pup Macroscopic Observations

20256434

Control 0mcg	Findings
Dam: 222	(Continued...)
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 31

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 245	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
16	.....Observations, No abnormalities detected
Dam: 246	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 32

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 246 (Continued...)	
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
Dam: 247	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 33

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 247	(Continued...)
13	.....Observations, No abnormalities detected
Dam: 248	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
Dam: 249	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 34

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 249 (Continued...)	
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
16	.....Observations, No abnormalities detected
17	.....Observations, No abnormalities detected
18	.....Observations, Abdomen Abdomen, Autolysis Stomach, No milk.....Observations, Thorax Thoracic, Autolysis
Dam: 250	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 35

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 250 (Continued...)	
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
Dam: 251	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 36

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 251 (Continued...)	
16	.....Observations, No abnormalities detected
17	.....Observations, No abnormalities detected
Dam: 252	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, Abdomen Stomach, No milk
Dam: 253	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 37

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 253	(Continued...)
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, Thorax Thoracic, Dark, [thymus]
Dam: 254	
Dam: 255	
1	.....Observations, Abdomen Liver, Hernia, [left medial lobe] .....Observations, General General, Situs inversus - (M), [thoracic and abdominal cavities]
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
Dam: 256	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 38

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 256 (Continued...)	
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
Dam: 257	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 39

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 257 (Continued...)	
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
Dam: 258	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 40

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 258 (Continued...)	
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
Dam: 259	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
Dam: 260	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 41

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 260 (Continued...)	
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
Dam: 261	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 42

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 261 (Continued...)	
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
Dam: 262	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
Dam: 263	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 43

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 263 (Continued...)	
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
Dam: 264	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 44

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 264	(Continued...)
13	.....Observations, No abnormalities detected
Dam: 265	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected
12	.....Observations, No abnormalities detected
13	.....Observations, No abnormalities detected
14	.....Observations, No abnormalities detected
15	.....Observations, No abnormalities detected
Dam: 266	
1	.....Observations, No abnormalities detected
2	.....Observations, No abnormalities detected
3	.....Observations, No abnormalities detected

CONFIDENTIAL

PNA301 - 01/00

Provantis

02-Nov-2020 09:53:43

Page: 45

Individual Pup Macroscopic Observations

20256434

BNT162b2 30mcg	Findings
Dam: 266 (Continued...)	
4	.....Observations, No abnormalities detected
5	.....Observations, No abnormalities detected
6	.....Observations, No abnormalities detected
7	.....Observations, No abnormalities detected
8	.....Observations, No abnormalities detected
9	.....Observations, No abnormalities detected
10	.....Observations, No abnormalities detected
11	.....Observations, No abnormalities detected

CONFIDENTIAL

Historical Control Data from Wistar Rat (CRL Lyon)

Historical Control Data

Rat Wistar : Crl-WI

Oestrous cycle - before treatment

Study	Year	Females evaluated	Cycle length (days)		Irregularity index		Oestrous days (%)		Females acyclic or with acyclic period
		N	Mean	SD	Mean	SD	Mean	SD	%
Q17	2017	20	3.8	0.3	0.2	0.2	31.8	6.3	0
U17	2017	19	3.9	0.2	0.3	0.2	30.5	4.0	5
I13	2013	17	3.9	0.3	0.3	0.2	31.4	7.4	15
J13	2013	20	4.1	0.3	0.2	0.3	29.3	8.5	0
<i>Total</i>		<i>76</i>							
<i>Mean</i>			<i>3.9</i>		<i>0.2</i>		<i>30.7</i>		<i>5</i>
<i>SD</i>				<i>0.3</i>		<i>0.2</i>		<i>6.7</i>	

Historical Control Data

Rat Wistar : Crl-WI

Oestrous cycle - during treatment (pre-mating period)

Study	Year	Females evaluated	Cycle length (days)		Irregularity index		Oestrous days (%)		Females acyclic or with acyclic period
		N	Mean	SD	Mean	SD	Mean	SD	%
J18	2017	16	4.0	0.2	0.1	0.2	28.7	5.8	20
Q17	2017	17	4.2	0.23	0.3	0.28	30.7	6.1	15
U17	2017	20	4.1	0.5	0.3	0.3	32.1	6.8	0
A16	2016	20	4	0.3	0.3	0.2	32.0	5.6	9
B16	2016	19	3.8	0.3	0.2	0.2	27.4	6.2	5
F16	2016	21	3.9	0.2	0.2	0.3	28.6	5.1	5
Y16	2016	16	3.9	0.5	0.3	0.3	32.1	5.6	24
A15	2015	20	3.8	0.3	0.3	0.2	32.7	4.3	0
K15-1	2015	16	4.1	0.2	0.2	0.2	31.3	4.7	33
K15-2	2015	23	3.9	0.2	0.2	0.2	31.4	3.9	4
<i>Total</i>		<i>188</i>							
<i>Mean</i>			<i>4.0</i>		<i>0.2</i>		<i>30.7</i>		<i>10</i>
<i>SD</i>				<i>0.3</i>		<i>0.2</i>		<i>5.6</i>	
<i>2009-2014</i>		<i>92</i>	<i>3.9</i>	<i>0.3</i>	<i>0.2</i>	<i>0.2</i>	<i>32.5</i>	<i>7.5</i>	<i>7</i>

Historical Control Data

Rat Wistar : Crl-WI

Maternal body weight gain (g) during gestation

Study	Year	Dams with live foetuses	GD 0 to 6		GD 6 to 9		GD 9 to 12		GD 12 to 15		GD 15 to 18		GD 6 to 18		GD 18 to 20		GD 6 to 21		GD 18 to 21	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A18	2018	21	31.7	7.2	6.5	3.9	13.6	3.7	14.6	3.3	32.2	6.6	66.8	9.5	24.5	4.4				
B18	2018	9	31.4	6.5	10.1	3.1	15.7	4.1	15.0	4.4	29.1	8.3	69.9	5.6					38.0	5.9
C18	2018	21	35.3	7.9	12.6	5.4	15.4	4.5	13.9	11.5	35.2	10.4	77.1	8.0	26.2	6.2				
D18	2018	6	32.5	5.3	8.9	4.2	14.2	4.2	14.9	3.6	28.6	6.4	66.5	13.0					34.4	8.0
E18	2018	22	30.5	8.8	12.4	5.4	16.1	3.8	17.5	5.4	31.1	4.4	77.1	11.3					38.7	6.1
F18	2018	6	30.1	8.0	12.0	4.1	12.8	2.3	19.6	4.4	29.5	6.9	73.9	10.2	26.0	6.1				
G18	2018	18	28.2	6.3	12.5	3.5	12.5	5.0	14.7	4.5	32.8	6.5	72.5	9.2					31.5	8.3
H18	2018	5	29.2	6.9	9.2	4.9	17.8	4.4	12.5	3.7	33.0	6.6	72.5	18.6					31.3	9.8
K18	2018	6	30.8	6.9	13.9	3.7	15.4	2.0	14.3	3.0	35.5	6.6			20.4	6.0				
L18	2018	21	31.1	5.9	11.8	3.2	18.2	2.9	15.5	5.2	31.8	5.4			22.7	7.1				
M18	2018	5	29.4	5.2	10.7	4.5	13.5	10.0	19.2	4.8	27.2	2.5			28.1	2.8				
N18	2018	6			2.3	6.5	15.7	2.6	18.0	2.5	33.6	4.0			26.8	4.4				
A17	2017	22	31.9	6.2	11.4	4.8	15.9	3.4	16.1	3.7	32.0	6.7	75.5	11.3			112.6	18.2	37.1	7.9
B17	2017	5	32.9	8.4	14.1	2.6	14.1	4.8	18.4	3.9	29.4	11.9	76.0	17.0			110.0	24.9	34.1	8.2
C17	2017	22	25.3	5.2	9.9	4.1	15.3	3.6	16.7	4.5	31.7	5.9	73.7	11.6	24.2	5.5				
D17	2017	6	27.9	6.8	13.8	5.8	12.9	3.5	15.4	3.3	34.7	5.7	76.7	10.6	25.2	2.8				
E17	2017	9	27.6	8.8	13.1	4.2	16.3	4.5	14.4	5.0	34.8	2.9	78.5	6.5	24.9	4.1				
F17	2017	21	32.4	6.7	9.3	4.2	14.9	3.8	18.0	4.0	31.6	3.7	73.8	9.2	25.0	4.5				
H17	2017	6	30.1	8.0	12.0	4.1	12.8	2.3	19.6	4.4	29.5	6.9	73.9	10.2	26.0	6.1				
I17	2017	24	33.9	6.9	18.1	3.2	15.4	3.3	20.1	3.9	32.0	5.3	85.7	9.0					40.9	7.0
J17	2017	24	33.5	5.8	17.8	5.0	14.2	3.7	23.6	4.0	30.9	5.8	86.5	11.5	26.8	4.7				
K17	2017	6	27.0	7.4	11.1	3.4	17.5	3.7	12.8	2.1	35.4	5.3					116.4	7.8	39.8	3.3
L17	2017	22	32.1	6.4	11.3	3.9	16.2	4.6	16.9	4.0	33.5	4.9					116.6	10.9	38.9	4.6
M17	2017	6	34.2	4.4	10.8	3.4	11.9	24.7	26.5	22.4	35.9	3.2					124.6	9.9	39.5	6.4
N17	2017	22	31.3	6.2	10.1	3.0	15.9	3.9	17.2	5.7	32.7	7.0					107.5	14.2	31.7	5.5
O17	2017	6	40.2	7.5	10.0	2.2	23.5	3.4	12.6	6.3	34.7	4.3					120.0	11.4	39.3	4.0
P17	2017	22	29.6	6.7	13.0	4.7	17.6	4.0	17.0	3.7	32.7	4.6					113.7	13.0	33.5	5.9
V17	2017	24	33.5	7.4	12.0	5.3	15.7	4.0	15.3	4.6	31.4	4.2			26.3	5.8				
Total Mean		393	31.4		11.9		15.5		16.9		32.2		76.2		25.2		113.7		36.4	
SD			7.1		5.1		5.0		6.1		6.1		11.6		5.4		14.5		7.2	
2014 to 2016		627	29.4	13.5	11.3	4.5	15.6	4.6	16.0	4.8	31.7	6.7	75.5	11.7	24.6	5.9	111.9	17.1	35.6	8.1

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Historical Control Data

Rat Wistar : CrI-WI

Maternal food consumption (g/day) during gestation

Study	Year	Dams with live foetuses	GD 0 to 6		GD 6 to 9		GD 9 to 12		GD 12 to 15		GD 15 to 18		GD 6 to 18		GD 18 to 20		GD 6 to 21		GD 18 to 21		
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
A18	2018	21	18.9	2.3	21.2	2.9	22.3	2.6	24.0	2.6	25.0	2.7	23.1	2.5	25.8	2.6					
B18	2018	9	20.8	2.6	25.8	6.4	24.5	2.9	26.3	3.3	27.2	2.4	26.0	3.1					26.3	2.5	
C18	2018	21	19.7	2.9	23.1	2.8	24.5	3.1	24.9	3.3	27.6	2.4	25.0	2.3	28.1	3.3					
D18	2018	6	19.1	1.6	22.0	3.5	25.0	2.9	25.1	2.8	26.3	2.6	24.6	2.7					26.0	2.6	
E18	2018	22	18.3	2.8	22.5	3.1	23.0	3.3	24.9	3.3	25.5	2.7	24.0	3.0					25.5	2.7	
F18	2018	6	18.2	2.0	21.0	2.2	22.8	1.8	24.3	1.9	25.7	2.1	23.5	1.9	28.4	2.5					
G18	2018	18	18.6	2.6	20.0	2.3	21.8	2.9	24.3	2.2	25.1	2.5	22.8	2.3					25.0	3.3	
H18	2018	5	16.0	1.9	21.0	4.2	21.2	4.4	24.0	4.0	25.2	2.5	22.8	3.6					24.9	2.8	
K18	2018	6	18.3	1.9	21.1	4.6	20.9	3.3	23.2	3.3	26.0	3.5			25.8	3.2					
L18	2018	21	17.8	2.3	19.7	1.9	20.5	2.4	23.1	2.0	24.1	2.6			24.9	2.8					
M18	2018	5	18.6	3.3	17.8	4.9	25.3	1.7	23.2	3.7	28.0	3.8			28.4	4.2					
N18	2018	6			22.4	1.6	22.9	0.9	25.0	1.6	25.8	0.9			27.5	1.0					
A17	2017	22	20.3	2.6	24.6	2.7	25.6	3.1	26.6	2.8	27.8	2.9	26.2	2.7			26.4	2.7	27.5	2.8	
B17	2017	5	21.3	2.2	25.5	2.0	25.9	3.7	26.8	2.5	29.0	1.4	26.8	2.1			26.6	2.0	25.7	1.9	
C17	2017	22	19.2	2.0	23.0	2.1	24.4	2.3	26.2	2.1	27.2	2.8	25.2	2.0	26.8	2.9					
D17	2017	6	18.5	2.6	20.7	2.4	21.4	1.5	22.5	1.5	24.5	1.9	22.3	1.7	25.4	1.5					
E17	2017	9	18.8	2.8	21.8	3.3	23.0	3.4	24.1	3.2	25.6	3.1	23.6	3.2	25.7	3.5					
F17	2017	21	19.9	2.6	22.8	2.9	23.6	2.9	26.1	2.5	25.8	2.4	24.6	2.5	26.3	3.0					
G17	2017	8	21.3	1.3	23.1	1.6	23.8	2.2	24.3	2.2	25.8	2.5	24.3	2.0	26.0	1.8					
H17	2017	6	18.2	2.0	21.0	2.2	22.8	1.8	24.3	1.9	25.7	2.1	23.5	1.9	28.4	2.5					
I17	2017	24	19.7	2.7	24.5	2.3	26.2	2.5	26.8	2.6	28.8	2.7	26.6	2.3					26.6	2.7	
J17	2017	24	20.6	2.7	23.8	2.5	26.3	3.1	26.3	3.0	28.8	3.2	26.3	2.8	27.8	3.5					
K17	2017	6	17.8	2.3	21.1	1.6	21.9	2.1	23.2	2.0	24.6	1.9					23.3	1.4	25.6	1.7	
L17	2017	22	19.6	2.2	22.8	2.3	22.7	2.4	25.0	2.1	26.5	2.5					24.6	2.0	26.0	2.2	
M17	2017	6	20.5	1.5	21.6	1.0	20.1	6.0	25.1	2.0	26.5	1.4					23.8	1.3	25.9	1.3	
N17	2017	22	19.9	2.7	20.2	2.6	20.4	2.9	23.5	2.5	25.7	2.8					23.0	2.2	25.0	3.0	
O17	2017	6	20.1	2.1	19.8	0.8	21.4	1.2	23.7	1.5	23.4	1.9					22.5	1.0	23.9	0.6	
P17	2017	22	18.7	2.6	20.1	2.2	21.4	2.2	23.1	2.1	23.9	2.2					22.5	1.8	24.0	2.3	
V17	2017	24	19.6	2.2	23.3	2.4	23.5	2.8	25.0	2.8	26.5	3.1			26.8	3.6					
Total		401																			
Mean			19.3		22.2		23.3		24.9		26.3		24.8		26.7		24.1		25.7		
SD			2.6		3.1		3.3		2.8		2.9		2.8		3.1		2.5		2.7		
2014 to 2016		627	19.0	2.4	21.9	2.9	22.9	3.1	24.5	2.9	25.6	3.0	24.0	2.6	26.1	3.2	23.5	2.5	25.0	2.8	

Historical Control Data

Rat Wistar : CrI-WI

Caesarean data collected on day 21 of gestation - page 1/2

Study	Year	Number of females			Number of corpora lutea		Number of uterine implants		Pre-implantation loss %		Early resorptions per dam		Late resorptions per dam		Post-implantation loss %	
		Mated	Pregnant	With live foetuses	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A18	2018	22	21	21	13.2	1.6	12.1	1.6	8.5	8.5	1.0	1.2	0.0	0.0	9.0	10.1
B18	2018	9	9	9	13.0	1.5	12.1	1.9	7.0	7.2	1.4	1.3	0.0	0.0	12.8	13.0
C18	2018	22	21	21	13.4	1.6	12.7	1.9	5.5	8.6	1.2	1.1	0.0	0.0	9.5	8.6
D18	2018	6	6	6	12.8	2.7	11.3	1.9	10.5	13.0	1.8	1.3	0.2	0.4	17.3	12.8
E18	2018	22	22	22	13.0	1.1	12.2	1.6	6.8	7.2	0.9	0.7	0.0	0.2	7.7	5.7
F18	2018	6	6	6	13.2	2.8	11.5	2.8	13.1	10.3	1.0	0.9	0.5	0.5	15.7	15.0
G18	2018	20	18	18	12.9	1.3	11.5	1.7	10.8	9.6	0.6	0.8	0.0	0.0	5.2	7.3
H18	2018	6	5	5	11.6	2.3	10.4	3.9	13.3	21.7	1.0	1.0	0.0	0.0	7.9	7.5
A17	2017	22	22	22	13.1	2.1	11.8	2.9	10.8	16.4	0.9	1.0	0.1	0.3	8.2	9.7
B17	2017	6	5	5	12.4	2.1	10.8	4.4	16.2	28.4	0.8	0.8	0.2	0.4	7.7	7.7
C17	2017	22	22	22	13.3	1.9	12.2	2.7	8.1	15.8	0.8	0.9	0.0	0.2	6.3	7.3
D17	2017	6	6	6	13.2	1.9	12.8	1.7	2.3	3.6	0.3	0.8	0.2	0.4	4.0	6.5
E17	2017	9	9	9	13.4	1.2	12.4	1.2	7.2	7.2	0.6	1.0	0.0	0.0	4.1	7.0
F17	2017	22	21	21	13.8	1.5	12.2	1.5	11.0	9.8	1.0	1.3	0.1	0.4	9.9	11.8
G17	2017	8	8	8	12.9	4.0	12.1	4.7	9.1	17.0	1.4	1.1	0.0	0.0	14.1	11.8
H17	2017	6	6	6	13.2	2.8	11.5	2.8	13.1	10.3	1.0	0.9	0.5	0.5	15.7	15.0
I17	2017	24	24	24	13.0	1.7	11.8	1.8	8.6	9.0	1.1	1.1	0.0	0.2	9.9	9.8
J17	2017	24	24	24	13.3	2.2	12.6	1.7	5.1	6.8	1.1	1.2	0.0	0.2	8.7	8.6
K17	2017	6	6	6	13.7	1.0	13.0	1.3	5.0	3.9	0.3	0.8	0.0	0.0	2.4	5.8
L17	2017	22	22	22	13.6	1.8	12.5	1.6	8.2	9.4	1.0	1.6	0.0	0.0	8.1	12.3
M17	2017	6	6	6	13.5	1.4	13.3	1.6	1.4	3.4	0.8	1.2	0.0	0.0	6.5	9.0
N17	2017	22	22	22	12.3	1.8	10.9	2.1	11.5	11.9	0.8	1.0	0.0	0.2	8.2	9.4
O17	2017	6	6	6	14.3	1.9	13.8	0.8	2.8	6.8	1.2	1.0	0.0	0.0	8.5	7.3
P17	2017	22	22	22	13.2	1.6	12.3	2.0	7.0	8.9	1.2	1.0	0.1	0.4	11.0	9.7
Total		346	339 98%	339 98%												
Mean					13.2		12.1		8.4		1.0		0.0		8.8	
SD						1.8		2.2		11.0		1.1		0.3		9.7
2014 to 2016		536	514 96%	508 95%	12.8	1.9	11.7	2.6	7.8	12.5	0.9	1.2	0.1	0.5	9.0	13.4

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Historical Control Data

Rat Wistar : Crl-WI

Caesarean data collected on day 21 of gestation - page 2/2

Study	Year	Number of females			Dead foetuses	Live litter size		Litter weight (g) on GD 21		Foetal weight (g) on GD 21		Uterus weight (g) on GD 21		Sex ratio % males
		Mated	Pregnant	With live foetuses		Mean	SD	Mean	SD	Mean	SD	Mean	SD	
A18	2018	22	21	21	0	11.0	2.1							53.2
B18	2018	9	9	9	0	10.7	2.7	52.6	12.9	4.94	0.31	72.9	16.2	42.7
C18	2018	22	21	21	0	11.4	1.9							47.1
D18	2018	6	6	6	0	9.3	2.0	46.5	10.3	4.98	0.23	64.6	13.0	52.1
E18	2018	22	22	22	0	11.2	1.5	57.2	6.5	5.11	0.24	77.1	8.6	45.0
F18	2018	6	6	6	0	10.0	3.6							58.9
G18	2018	20	18	18	0	10.9	1.7	54.8	8.8	5.04	0.19	74.9	10.7	51.1
H18	2018	6	5	5	0	9.4	3.2	48.2	17.5	5.08	0.27	65.0	22.1	45.7
A17	2017	22	22	22	0	10.8	3.1	54.0	14.8	5.03	0.31	74.4	19.3	48.5
B17	2017	6	5	5	0	9.8	3.8	50.7	21.0	5.07	0.38	70.4	27.5	55.0
C17	2017	22	22	22	0	11.4	2.6							52.5
D17	2017	6	6	6	0	12.3	2.0							48.0
E17	2017	9	9	9	0	11.9	0.9							43.5
F17	2017	22	21	21	0	11.0	2.0							47.5
G17	2017	8	8	8	0	10.8	4.8							40.6
H17	2017	6	6	6	0	10.0	3.6							58.9
I17	2017	24	24	24	0	10.7	2.0	55.8	10.4	5.24	0.25	77.1	13.2	53.8
J17	2017	24	24	24	0	11.5	1.7							45.6
K17	2017	6	6	6	0	12.7	1.2	64.4	5.6	5.09	0.33	86.8	7.4	49.5
L17	2017	22	22	22	0	11.4	1.9	58.7	8.8	5.17	0.24	79.4	11.0	49.2
M17	2017	6	6	6	0	12.5	2.2	60.9	10.7	4.87	0.35	82.2	13.3	52.9
N17	2017	22	22	22	0	10.0	2.2	51.5	10.9	5.15	0.32	71.4	14.2	48.8
O17	2017	6	6	6	0	12.7	1.4	64.5	6.1	5.10	0.13	85.7	7.9	56.1
P17	2017	22	22	22	0	11.0	2.4	55.1	11.0	5.03	0.30	75.0	14.3	54.4
Total		346	339 98%	339 98%	0									
Mean						11.0		55.3		5.09		75.6		49.6
SD							2.3		11.2		0.28		14.3	
2014 to 2016		536	514 96%	508 95%	0	10.8	2.5	54.4	11.4	5.02	0.25	74.9	15.1	51.2

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Historical Control Data

Rat Wistar : CrI-WI

Malformations (external, internal and skeletal)

Study	Year	Number of litters examined	Number of foetuses examined	Number of litters with malformed foetuses	Litter incidence %	Number of malformed foetuses	Foetal incidence %	Type of malformation by foetus
A18	2018	21	232	1	4.76	1	0.43	Malformed cervical and thoracic vertebrae, and ribs
B18	2018	9	96	1	11.11	1	1.04	Narrowed aortic arch
C18	2018	21	240	0	-	0	-	
D18	2018	6	56	0	-	0	-	
E18	2018	22	247	0	-	0	-	
F18	2018	6	60	0	-	0	-	
G18	2018	18	196	0	-	0	-	
H18	2018	5	47	0	-	0	-	
A17	2017	22	238	2	9.09	2	0.84	1st: Situs inversus, abnormal lobation of lung 2nd: Situs inversus, abnormal lobation of lung, transposed great vessels
B17	2017	5	49	0	-	0	-	
C17	2017	22	251	2	9.09	2	0.80	1st: Cleft lip and palate; 2nd: Malformed thoracic vertebrae
D17	2017	6	74	1	16.67	1	1.35	Agnathia
E17	2017	9	107	0	-	0	-	
F17	2017	21	231	0	-	0	-	
G17	2017	8	86	0	-	0	-	
H17	2017	6	60	0	-	0	-	
I17	2017	24	256	0	-	0	-	
J17	2017	24	275	2	8.33	2	0.73	1st: Microphthalmia; 2nd: Proboscis (malformed skull)
K17	2017	6	76	0	-	0	-	
L17	2017	22	251	1	4.55	1	0.40	Proboscis
M17	2017	6	75	0	-	0	-	
N17	2017	22	221	0	-	0	-	
O17	2017	6	76	0	-	0	-	
P17	2017	22	242	0	-	0	-	
Total 2017 and 2018		339	3742	10	2.95%	10	0.27%	
Total 2014 to 2016		508	5539	25	4.92%	25	0.45%	

Study nos. B17, D17, H17, Q17, S17, U17, D18, F18 and H18: Dose Range Finding studies with external examination only

Historical Control Data

Rat Wistar : CrI-WI

FOETAL EXAMINATION - EXTERNAL EXAMINATION ON DAY 20 OR 21 OF GESTATION

PERIOD	2013-2015		2016-2018	
	N	%	N	%
Number of studies included	30		39	
Number of foetuses examined	4672		6077	
OBSERVATION	N	%	N	%
Anasarca	1	0.02	0	0.00
Exencephaly	2	0.04	0	0.00
Head/neck: malformed	1	0.02	0	0.00
Eye(s): malformed	0	0.00	1	0.02
Eye(s): absent bulge	0	0.00	1	0.02
Agnathia	0	0.00	2	0.03
Astomia	0	0.00	1	0.02
Micrognathia	2	0.04	2	0.03
Cleft palate	0	0.00	1	0.02
Cleft lip	0	0.00	1	0.02
Nose: single naris	1	0.02	0	0.00
Proboscis	0	0.00	3	0.05
Limbs: malrotated	1	0.02	0	0.00
Trunk: omphalocele	1	0.02	0	0.00
Umbilicus: hernia	1	0.02	0	0.00
Gastroschisis	1	0.02	0	0.00
Anal atresia	2	0.04	0	0.00
Tail: thread-like	1	0.02	0	0.00

Historical Control Data

Rat Wistar : CrI-WI

FOETAL EXAMINATION - FRESH VISCERAL EXAMINATION OF BODY ON DAY 20 OR 21 OF GESTATION

PERIOD	2013-2015		2016-2018	
	N	%	N	%
Number of studies included	17		23	
Number of fetuses examined	1857		2716	
OBSERVATION	N	%	N	%
Situs inversus	4	0.22	1	0.04
Great blood vessels: malformed	1	0.05	2	0.07
Great blood vessels: transposition	0	0.00	1	0.04
Carotid artery: narrowed	1	0.05	0	0.00
Pulmonary artery: malpositioned	1	0.05	0	0.00
Subclavian artery: retroesophageal	1	0.05	0	0.00
Umbilical artery: transposed	239	12.87	345	12.70
Azygos vein: transposed	0	0.00	1	0.04
Aortic arch: narrowed	0	0.00	1	0.04
Lungs: abnormal lobation	0	0.00	2	0.07
Lungs: lobe absent	1	0.05	1	0.04
Thyroid gland: small	0	0.00	1	0.04
Thorax: tissue-mass	0	0.00	1	0.04
Diaphragm: absent	1	0.05	0	0.00
Intestine: distended	0	0.00	1	0.04
Stomach: narrowed	0	0.00	1	0.04
Pancreas: large	0	0.00	1	0.04
Pancreas: malpositioned	0	0.00	1	0.04
Spleen: small	0	0.00	1	0.04
Spleen: discolored	0	0.00	1	0.04
Liver: discolored lobe	1	0.05	4	0.15
Liver: abnormal lobation	1	0.05	1	0.04
Adrenal gland(s): discolored	1	0.05	0	0.00
Kidney(s): renal pelvic dilatation	0	0.00	1	0.04
Kidney(s): malpositioned	1	0.05	0	0.00
Kidney(s): large	2	0.11	0	0.00
Kidney: absent	1	0.05	0	0.00
Ureter(s): dilated	59	3.18	24	0.88
Ureter(s): convoluted	20	1.08	9	0.33
Testis: malpositioned	2	0.11	0	0.00
Testis: cyst	1	0.05	9	0.33

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Historical Control Data

Rat Wistar : CrI-WI

FOETAL EXAMINATION - FIXED VISCERAL EXAMINATION OF HEAD ON DAY 20 OR 21 OF GESTATION

PERIOD	2013-2015		2016-2018	
	N	%	N	%
Number of studies included	18		23	
Number of foetuses examined	1664		2407	
OBSERVATION	N	%	N	%
Head: multiple visceral abnormalities	0	0.00	1	0.04
Microphthalmia	0	0.00	1	0.04
Anophthalmia	2	0.12	0	0.00
Aphakia	0	0.00	1	0.04
Retinal fold	0	0.00	1	0.04
Brain: dilated lateral ventricles	6	0.36	6	0.25

Historical Control Data

Rat Wistar : CrI-WI

FOETAL EXAMINATION - SKELETAL EXAMINATION OF BODY ON DAY 21 OF GESTATION - Page 1/2

PERIOD	2013-2015		2016-2018	
	N	%	N	%
Number of studies included	2		9	
Number of foetuses examined	233		1096	
OBSERVATION	N	%	N	%
Metacarpals: incomplete ossification (5th digit)	1	0.43	7	0.64
Metatarsals: unossified, 1st digit	7	3.00	11	1.00
Phalanx: unossified (2nd to 5th digits), forepaws	21	9.01	0	0.00
Phalanx: unossified, forepaws	0	0.00	110	10.04
Phalanx: unossified, hindpaws	0	0.00	30	2.74
Phalanx: unossified (2nd to 5th digits), hindpaws	54	23.18	236	21.53
Rib: supernumerary cervical	4	1.72	21	1.92
Rib: supernumerary lumbar	2	0.86	39	3.56
Rib: supernumerary lumbar (short)	121	51.93	491	44.80
Rib: short	0	0.00	1	0.09
Rib: wavy	17	7.30	11	1.00
Rib: thick	8	3.43	39	3.56
Sternebrae: incomplete ossification of 1st/3rd	1	0.43	2	0.18
Sternebrae: incomplete ossification of 2nd/4th	2	0.86	12	1.09
Sternebrae: incomplete ossification of 6th	2	0.86	2	0.18
Sternebrae: unossified 5th	1	0.43	1	0.09
Sternebrae: unossified 6th	1	0.43	0	0.00
Sternebrae: extra ossification site	0	0.00	2	0.18
Sternebrae: asymmetric	5	2.15	7	0.64
Sternebrae: split	1	0.43	0	0.00
Sternebrae: misshapen	0	0.00	1	0.09

CONFIDENTIAL

Historical Control Data

Rat Wistar : CrI-WI

FOETAL EXAMINATION - SKELETAL EXAMINATION OF BODY ON DAY 21 OF GESTATION - page 2/2

PERIOD	2013-2015		2016-2018	
	N	%	N	%
Number of studies included	2		9	
Number of foetuses examined	233		1096	
OBSERVATION	N	%	N	%
Vertebrae, presacral arches = 27	2	0.86	3	0.27
Vertebrae, cervical: incomplete ossification of arch	0	0.00	2	0.18
Vertebrae, cervical: unossified odontoid process	21	9.01	153	13.96
Vertebrae, cervical: unossified centrum	57	24.46	344	31.39
Vertebrae, cervical: bipartite centrum	0	0.00	27	2.46
Vertebrae, thoracic: incomplete ossification of centrum	0	0.00	3	0.27
Vertebrae, thoracic: incomplete ossification of 1-9th centrum	3	1.29	7	0.64
Vertebrae, thoracic: incomplete ossification of 10-13th centrum	14	6.01	24	2.19
Vertebrae, thoracic: fused arch	0	0.00	1	0.09
Vertebrae, thoracic: bipartite ossification of centrum	6	2.58	3	0.27
Vertebrae, thoracic: centrum hemicentric	0	0.00	1	0.09
Vertebrae, thoracic: misaligned centrum	0	0.00	1	0.09
Vertebrae, thoracic: absent centrum	0	0.00	1	0.09
Vertebrae, thoracic: small centrum	0	0.00	1	0.09
Vertebrae, lumbar: number = 5	0	0.00	1	0.09
Vertebrae, lumbar: number = 7	2	0.86	9	0.82
Vertebrae, lumbar: incomplete ossification of centrum	0	0.00	1	0.09
Vertebrae, sacral: incomplete ossification of arches	1	0.43	0	0.00
Vertebrae, caudal number < 5	7	3.00	39	3.56

Historical Control Data

Rat Wistar : CrI-WI

FOETAL EXAMINATION - SKELETAL EXAMINATION OF HEAD ON DAY 21 OF GESTATION

PERIOD	2013-2015		2016-2018	
Number of studies included	2		9	
Number of fetuses examined	233		1050	
OBSERVATION	N	%	N	%
Parietal: incomplete ossification	9	3.86	38	3.62
Interparietal: incomplete ossification	23	9.87	80	7.62
Supraoccipital: incomplete ossification	6	2.58	8	0.76
Cranium: Sutural bone	2	0.86	2	0.19
Squamosal: incomplete ossification	4	1.72	7	0.67
Zygomatic arch: incomplete ossification	2	0.86	9	0.86
Hyoid: incomplete ossification	0	0.00	7	0.67
Mandible: incomplete ossification	0	0.00	15	1.43

Han Wistar Rat

Route of Adm.: Not infusion

Studies included: 17

Study Type: Main

Litters included: 275

Skeletal examination

Fetuses included: 1721

Fetal Obs Location	Fetal Obs Morphology	Level	Count	Average %	Min %	Max %	Average	Min	Max
Basisphenoid	Incomplete ossification	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.05	0.00	0.79	0.00	0	1
Caudal	Number < 5	Litters	4	6.53	0.00	55.56	0.94	0	5
		Fetuses	19	1.12	0.00	6.25	0.08	0	2
Caudal	Unossified	Litters	3	1.92	0.00	14.29	0.41	0	3
		Fetuses	8	0.41	0.00	2.65	0.02	0	2
Caudal	Unossified arch, 1st and 2nd	Litters	15	27.63	0.00	90.48	4.65	0	19
		Fetuses	248	12.81	0.00	42.09	0.90	0	10
Caudal vertebra	Unossified	Litters	2	4.15	0.00	22.22	0.59	0	4
		Fetuses	14	1.00	0.00	5.61	0.06	0	2
Cervical	Absent arch	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.07	0.00	1.19	0.00	0	1
Cervical	Incomplete ossification of arch	Litters	1	2.79	0.00	19.05	0.59	0	4
		Fetuses	12	0.67	0.00	5.84	0.03	0	3
Cervical	Increased ossification 1st	Litters	13	21.99	0.00	66.67	3.71	0	14
		Fetuses	145	7.40	0.00	26.86	0.49	0	6
Cervical	Odontoid process unossified	Litters	11	13.73	0.00	61.11	2.41	0	11
		Fetuses	65	3.30	0.00	12.96	0.21	0	7
Cervical	Short	Litters	2	7.23	0.00	44.44	0.71	0	4
		Fetuses	15	1.25	0.00	5.60	0.08	0	2
Cervical	Unossified centrum	Litters	2	15.92	0.00	100.00	2.71	0	18
		Fetuses	111	5.45	0.00	32.75	0.40	0	6
Cervical centrum	Unossified	Litters	2	3.51	0.00	16.67	0.47	0	3
		Fetuses	10	0.73	0.00	3.68	0.05	0	2
Cranium	Sutural bone	Litters	2	0.53	0.00	9.09	0.12	0	2
		Fetuses	2	0.08	0.00	1.41	0.01	0	1
Femur	Bent	Litters	1	0.65	0.00	11.11	0.06	0	1
		Fetuses	1	0.06	0.00	1.01	0.01	0	1
Forepaw phalanges	Unossified	Litters	6	8.86	0.00	44.44	1.29	0	6
		Fetuses	51	3.27	0.00	15.71	0.19	0	6
Frontal	Incomplete ossification	Litters	1	1.76	0.00	11.11	0.29	0	1
		Fetuses	6	0.31	0.00	1.82	0.02	0	2
General	Generalised incomplete	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
General	Multiple skeletal abnormalities	Litters	1	0.27	0.00	4.55	0.06	0	1
		Fetuses	1	0.04	0.00	0.76	0.00	0	1
Hindpaw phalanges	Unossified	Litters	8	17.00	0.00	100.00	2.24	0	10
		Fetuses	133	8.74	0.00	34.54	0.58	0	8
Humerus	Thick	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.04	0.00	0.68	0.00	0	1
Hyoid	Incomplete ossification	Litters	1	0.83	0.00	5.00	0.18	0	1
		Fetuses	4	0.21	0.00	2.00	0.01	0	2
Hyoid	Unossified	Litters	1	1.58	0.00	12.50	0.24	0	2
		Fetuses	4	0.25	0.00	1.79	0.02	0	1
Hyoid body	Incomplete ossification	Litters	1	0.90	0.00	5.26	0.18	0	1
		Fetuses	4	0.25	0.00	1.75	0.01	0	2
Hyoid body	Unossified	Litters	1	0.98	0.00	16.67	0.06	0	1
		Fetuses	1	0.16	0.00	2.78	0.01	0	1

Han Wistar Rat

Route of Adm.: Not infusion

Studies included: 17

Study Type: Main

Litters included: 275

Skeletal examination (cont'd)

Fetuses included: 1721

Fetal Obs Location	Fetal Obs Morphology	Level	Count	Average %	Min %	Max %	Average	Min	Max
Ilium	Malpositioned	Litters	2	0.56	0.00	9.52	0.12	0	2
		Fetuses	3	0.14	0.00	2.38	0.01	0	2
Interparietal	Incomplete ossification	Litters	1	25.60	0.00	44.44	4.12	0	9
		Fetuses	113	6.42	0.00	15.05	0.41	0	5
Ischium	Unossified	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
Lumbar	Incomplete ossification of arch	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.04	0.00	0.68	0.00	0	1
Lumbar	Incomplete ossification of	Litters	1	1.09	0.00	9.52	0.24	0	2
		Fetuses	4	0.26	0.00	2.27	0.01	0	1
Lumbar	Number = 7	Litters	1	3.08	0.00	13.64	0.65	0	3
		Fetuses	12	0.67	0.00	3.17	0.03	0	2
Lumbar	Unossified centrum	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
Lumbar vertebra	Supernumerary	Litters	2	0.56	0.00	9.52	0.12	0	2
		Fetuses	2	0.09	0.00	1.59	0.01	0	1
Mandible	Fused	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
Mandible	Incomplete ossification	Litters	6	28.01	0.00	88.89	3.76	0	16
		Fetuses	162	12.13	0.00	46.92	0.77	0	6
Metacarpal	Incomplete ossif., 2nd to 4th digit	Litters	1	0.27	0.00	4.55	0.06	0	1
		Fetuses	1	0.07	0.00	1.14	0.00	0	1
Metacarpal	Incomplete ossif., 2nd to 4th digit	Litters	1	0.27	0.00	4.55	0.06	0	1
		Fetuses	1	0.07	0.00	1.14	0.00	0	1
Metacarpal	Incomplete ossification, 5th digit.	Litters	2	2.16	0.00	22.22	0.29	0	2
		Fetuses	6	0.35	0.00	2.25	0.02	0	2
Metacarpal	Unossified, 2nd to 4th digits	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
Metacarpal	Unossified, 5th digit	Litters	4	14.51	0.00	88.89	2.35	0	11
		Fetuses	72	3.99	0.00	18.72	0.28	0	6
Metatarsal	Incomplete ossification	Litters	1	0.84	0.00	4.76	0.18	0	1
		Fetuses	3	0.15	0.00	0.95	0.01	0	1
Metatarsal	Unossified	Litters	1	0.81	0.00	9.09	0.18	0	2
		Fetuses	3	0.17	0.00	1.89	0.01	0	1
Metatarsal	Unossified, 1st digit	Litters	1	3.08	0.00	22.22	0.47	0	4
		Fetuses	10	0.57	0.00	4.33	0.04	0	2
Nasal	Incomplete ossification	Litters	2	0.56	0.00	9.52	0.12	0	2
		Fetuses	3	0.19	0.00	3.17	0.01	0	2
Parietal	Incomplete ossification	Litters	1	21.92	0.00	52.38	3.76	0	11
		Fetuses	107	5.81	0.00	16.20	0.34	0	5
Parietal	Supernumerary site	Litters	2	0.62	0.00	10.53	0.12	0	2
		Fetuses	2	0.10	0.00	1.75	0.01	0	1
Phalanx	Unossified	Litters	5	5.60	0.00	33.33	0.88	0	5
		Fetuses	36	2.13	0.00	16.87	0.13	0	6
Phalanx	Unossified, proximal 2nd to 5th digits	Litters	6	11.23	0.00	66.67	1.82	0	10
		Fetuses	84	4.96	0.00	29.08	0.31	0	7
Presphenoid	Incomplete ossification	Litters	1	0.27	0.00	4.55	0.06	0	1
		Fetuses	1	0.07	0.00	1.14	0.00	0	1

Han Wistar Rat

Route of Adm.: Not infusion

Studies included: 17

Study Type: Main

Litters included: 275

Skeletal examination (cont'd)

Fetuses included: 1721

Fetal Obs Location	Fetal Obs Morphology	Level	Count	Average %	Min %	Max %	Average	Min	Max
Presphenoid	Unossified	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
Pubis	Incomplete ossification	Litters	1	1.20	0.00	11.11	0.18	0	1
		Fetuses	3	0.15	0.00	1.01	0.01	0	1
Pubis	Unossified	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
R b	Thick	Litters	5	4.48	0.00	26.32	0.71	0	5
		Fetuses	19	1.16	0.00	9.26	0.07	0	4
R b	Wavy r b	Litters	1	1.63	0.00	12.50	0.24	0	2
		Fetuses	5	0.34	0.00	2.50	0.02	0	2
R bs	Branched	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
R bs	Incomplete ossification	Litters	1	0.56	0.00	5.00	0.12	0	1
		Fetuses	2	0.11	0.00	1.00	0.01	0	1
R bs	Intercostal	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
R bs	Number of full ribs = 12/12	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
R bs	Supernumerary cervical	Litters	2	3.08	0.00	11.11	0.47	0	2
		Fetuses	11	0.62	0.00	4.50	0.04	0	4
R bs	Supernumerary lumbar	Litters	3	8.01	0.00	22.73	1.41	0	5
		Fetuses	29	1.62	0.00	5.27	0.09	0	2
R bs	Supernumerary lumbar, short	Litters	15	59.64	0.00	100.00	10.41	0	22
		Fetuses	500	27.11	0.00	56.09	1.74	0	8
R bs	Thick	Litters	2	11.17	0.00	36.36	1.94	0	8
		Fetuses	57	3.08	0.00	11.19	0.20	0	5
R bs	Wavy	Litters	1	3.70	0.00	12.50	0.53	0	2
		Fetuses	13	0.85	0.00	3.38	0.05	0	3
Sacral	Incomplete ossification of arch	Litters	1	6.18	0.00	27.27	1.06	0	6
		Fetuses	22	1.11	0.00	5.88	0.07	0	3
Sacral	Incomplete ossification of	Litters	1	0.27	0.00	4.55	0.06	0	1
		Fetuses	1	0.04	0.00	0.76	0.00	0	1
Sacral	Unossified	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
Sacral	Unossified arch	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.05	0.00	0.79	0.00	0	1
Sacral arch	Incomplete ossification	Litters	1	0.65	0.00	11.11	0.06	0	1
		Fetuses	1	0.06	0.00	1.01	0.01	0	1
Sacral arch	Misshapen	Litters	2	0.56	0.00	9.52	0.12	0	2
		Fetuses	2	0.09	0.00	1.59	0.01	0	1
Scapula	Bent	Litters	1	0.93	0.00	11.11	0.12	0	1
		Fetuses	2	0.10	0.00	1.01	0.01	0	1
Skull	Multiple Malformations	Litters	1	0.98	0.00	16.67	0.06	0	1
		Fetuses	1	0.16	0.00	2.78	0.01	0	1
Squamosal	Incomplete ossification	Litters	1	8.86	0.00	31.82	1.47	0	7
		Fetuses	36	2.01	0.00	11.18	0.12	0	5
Sternebra	Asymetri	Litters	1	3.37	0.00	18.18	0.71	0	4
		Fetuses	12	0.58	0.00	2.84	0.03	0	1

Han Wistar Rat

Route of Adm.: Not infusion

Studies included: 17

Study Type: Main

Litters included: 275

Skeletal examination (cont'd)

Fetuses included: 1721

Fetal Obs Location	Fetal Obs Morphology	Level	Count	Average %	Min %	Max %	Average	Min	Max
Sternebra	Asymmetric	Litters	1	3.37	0.00	18.18	0.71	0	4
		Fetuses	12	0.58	0.00	2.84	0.03	0	1
Sternebra	Extra ossification site	Litters	1	0.33	0.00	5.56	0.06	0	1
		Fetuses	1	0.05	0.00	0.93	0.00	0	1
Sternebra	Incomplete ossification	Litters	1	1.21	0.00	10.53	0.24	0	2
		Fetuses	4	0.23	0.00	1.75	0.01	0	1
Sternebra	Incomplete ossification, 1st/3rd	Litters	2	3.06	0.00	10.00	0.65	0	2
		Fetuses	11	0.59	0.00	2.08	0.03	0	1
Sternebra	Incomplete ossification, 2nd/4th	Litters	3	6.87	0.00	23.81	1.35	0	5
		Fetuses	34	1.76	0.00	6.90	0.10	0	3
Sternebra	Incomplete ossification, 6th	Litters	2	22.28	0.00	77.78	3.88	0	16
		Fetuses	147	7.92	0.00	36.99	0.50	0	6
Sternebra	Incomplete ossification of	Litters	3	6.87	0.00	23.81	1.35	0	5
		Fetuses	34	1.76	0.00	6.90	0.10	0	3
Sternebra	Misshapen	Litters	1	1.50	0.00	15.79	0.29	0	3
		Fetuses	5	0.28	0.00	2.94	0.02	0	1
Sternebra	Sternoschisis	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.05	0.00	0.79	0.00	0	1
Sternebra	Supernumerary site	Litters	1	0.31	0.00	5.26	0.06	0	1
		Fetuses	1	0.06	0.00	1.05	0.00	0	1
Sternebra	Unossified	Litters	2	1.21	0.00	11.11	0.18	0	2
		Fetuses	3	0.15	0.00	1.59	0.01	0	1
Sternebra	Unossified, 1st/3rd	Litters	1	0.81	0.00	9.09	0.18	0	2
		Fetuses	3	0.17	0.00	1.89	0.01	0	1
Sternebra	Unossified, 2nd/4th	Litters	1	1.38	0.00	9.09	0.29	0	2
		Fetuses	5	0.26	0.00	1.89	0.01	0	1
Sternebra	Unossified, 5th	Litters	5	7.65	0.00	31.82	1.47	0	7
		Fetuses	37	1.85	0.00	9.39	0.11	0	4
Sternebra	Unossified, 6th	Litters	4	3.86	0.00	22.73	0.82	0	5
		Fetuses	16	0.80	0.00	4.25	0.04	0	2
Supraoccipital	Incomplete ossification	Litters	1	11.62	0.00	37.50	2.00	0	7
		Fetuses	44	2.49	0.00	8.90	0.15	0	3
Supraoccipital	Unossified	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
Thoracic	Bipartite ossification of centrum	Litters	1	1.49	0.00	11.11	0.24	0	2
		Fetuses	4	0.21	0.00	1.75	0.01	0	1
Thoracic	Fused centrum	Litters	1	0.29	0.00	5.00	0.06	0	1
		Fetuses	1	0.06	0.00	1.00	0.00	0	1
Thoracic	Incomplete ossification, 10th to	Litters	3	3.12	0.00	22.73	0.65	0	5
		Fetuses	12	0.59	0.00	5.00	0.03	0	2
Thoracic	Incomplete ossification of arch	Litters	1	0.29	0.00	5.00	0.06	0	1
		Fetuses	1	0.06	0.00	1.00	0.00	0	1
Thoracic	Incomplete ossification of	Litters	3	3.12	0.00	22.73	0.65	0	5
		Fetuses	12	0.59	0.00	5.00	0.03	0	2
Thoracic	Incomplete ossification of	Litters	1	2.18	0.00	14.29	0.47	0	3
		Fetuses	8	0.40	0.00	2.78	0.02	0	1
Thoracic	Misaligned centrum	Litters	1	0.29	0.00	5.00	0.06	0	1
		Fetuses	1	0.04	0.00	0.71	0.00	0	1

Han Wistar Rat

Route of Adm.: Not infusion

Studies included: 17

Study Type: Main

Litters included: 275

Skeletal examination (cont'd)

Fetuses included: 1721

Fetal Obs Location	Fetal Obs Morphology	Level	Count	Average %	Min %	Max %	Average	Min	Max
Thoracic	Multiple abnormalities	Litters	1	0.55	0.00	4.76	0.12	0	1
		Fetuses	2	0.11	0.00	1.19	0.01	0	1
Thoracic	Number = 12	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
Thoracic	Small centrum	Litters	1	0.29	0.00	5.00	0.06	0	1
		Fetuses	1	0.04	0.00	0.71	0.00	0	1
Thoracic	Unossified centrum, 1st to 9th	Litters	1	0.28	0.00	4.76	0.06	0	1
		Fetuses	1	0.06	0.00	0.95	0.00	0	1
Thoracic centrum	Incomplete ossification	Litters	5	8.39	0.00	37.50	1.06	0	5
		Fetuses	22	1.77	0.00	9.60	0.11	0	3
Thoracolumbar	Full	Litters	4	7.80	0.00	50.00	0.76	0	4
		Fetuses	17	1.43	0.00	9.72	0.11	0	2
Thoracolumbar	Short	Litters	15	29.06	0.00	100.00	3.94	0	19
		Fetuses	203	14.30	0.00	48.05	0.96	0	9
Vertebra	Presacral vertebral arches = 27	Litters	1	1.54	0.00	11.11	0.24	0	2
		Fetuses	4	0.21	0.00	1.47	0.02	0	1
Zygomatic arch	Incomplete ossification	Litters	1	4.31	0.00	16.67	0.65	0	2
		Fetuses	17	1.02	0.00	4.25	0.06	0	3

Historical Control Data

Rat Wistar: Crl-WI

Maternal body weight gain (g) during lactation

Study	Year	Dams with litters	Lactation days 1 to 4		Lactation days 4 to 7		Lactation days 7 to 10		Lactation days 10 to 14		Lactation days 14 to 17		Lactation days 17 to 21	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A19	2019	21	8.4	8.0	6.9	4.7	3.5	7.7	11.4	6.2	3.5	6.4	-13.3	8.3
B19	2019	19	14.8	8.2	9.6	8.1	2.7	6.4	4.2	6.1	-0.2	6.1	-10.6	7.3
C19	2019	18	16.2	8.7	11.1	5.0	6.6	8.1	5.4	6.9	-0.8	4.6	-11.1	5.3
K18	2018	6	14.9	5.7	3.8	6.0	16.3	7.0	0.1	3.6				
L18	2018	21	13.3	6.3	6.3	8.8	7.2	5.8	10.2	6.7	0.2	7.2	-14.0	6.1
M18	2018	5	12.4	8.5	7.1	3.1								
N18	2018	6	15.5	9.3	13.2	9.9								
V17	2017	23	10.2	10.0	8.7	6.1	2.7	5.6	7.8	6.5	-1.2	8.3	-17.2	9.9
U16	2016	5	6.6	2.5	1.2	5.3								
V16	2016	21	9.1	6.4	10.2	3.8	8.0	5.4	6.6	7.1	4.5	7.3	-12.8	6.4
W16	2016	21	17.6	10.4	9.1	4.9	8.5	5.5	6.5	5.8	1.6	5.7	-10.7	7.5
X16	2016	7	2.6	7.2										
I15	2015	22	13.9	9.9	5.2	6.8	8.1	6.4	2.5	7.1	-4.1	7.4	-10.4	6.2
J15	2015	24	10.5	7.0	8.3	6.4	8.8	5.8	4.5	4.3	2.8	6.3	-12.8	7.6
K15-1	2015	22	12.9	6.8	7.4	5.6								
K15-2	2015	22	11.2	6.0	10.0	5.9								
L15	2015	10	21.2	11.3										
M15	2015	9	18.8	5.3										
<i>Total Mean</i>		282	12.7		8.2		6.6		6.4		0.7		-12.6	
<i>SD</i>				8.7		6.4		6.9		6.8		7.1		7.5

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Historical Control Data

Rat Wistar: Crl-WI

Maternal food consumption (g/dav) during lactation

Study	Year	Dams with litters	Lactation days 1 to 4		Lactation days 4 to 7		Lactation days 7 to 10		Lactation days 10 to 14		Lactation days 14 to 17		Lactation days 17 to 21	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A19	2019	21	31.7	4.8	40.0	4.1	47.8	4.4	54.8	5.3	59.7	6.6	64.9	5.4
B19	2019	19	33.0	4.5	42.9	4.0	50.2	5.1	56.0	5.2	58.7	5.3	65.4	5.7
C19	2019	18	35.3	3.6	44.3	3.1	50.9	3.5	56.0	2.8	60.5	3.7	66.6	3.9
K18	2018	6	32.0	6.7	39.1	4.5	49.3	3.4	53.2	4.3				
L18	2018	21	31.5	4.9	38.1	6.4	45.4	6.4	55.7	8.9	54.8	5.5	62.7	6.2
M18	2018	5	37.8	5.8	45.5	6.5								
N18	2018	6	37.1	3.7	50.7	4.4								
V17	2017	23	35.2	4.7	43.3	3.8	50.3	4.5	57.5	4.1	62.3	5.0	68.0	6.2
U16	2016	5	24.4	4.0	31.5	5.2								
V16	2016	21	28.5	4.8	39.5	5.7	45.4	6.6	52.1	9.4	56.2	9.3	65.2	11.3
W16	2016	21	31.2	5.5	43.0	6.2	48.4	7.4	57.0	9.1	58.0	10.3	66.6	10.9
X16	2016	7	24.5	2.8										
I15	2015	22	34.4	5.2	44.0	4.4	51.7	4.0	55.3	5.1	58.4	4.5	65.1	5.5
J15	2015	24	30.8	4.0	40.6	3.9	48.4	4.5	53.8	4.6	59.2	4.6	64.0	4.5
K15-1	2015	22	30.6	3.9	40.1	2.8								
K15-2	2015	22	27.6	4.5	38.4	3.8								
L15	2015	10	38.2	5.3										
M15	2015	9	36.1	4.5										
<i>Total Mean</i>		282	32.0		41.3		48.7		55.3		58.7		65.4	
<i>SD</i>				5.5		5.3		5.6		6.5		6.6		7.1

Historical Control Data

Rat Wistar: CrI-WI

Post-partum litter data

Study	Year	Number of females				Gestation length (days)		Number of uterine implants		Number of pups born		Pre-birth loss index %	Live birth index %	Pup viability index %	Pup weaning index %	Live Litter size %
		Mated	Pregnant	With liveborn	With pups at weaning	Mean	SD	Mean	SD	Mean	SD					
A19	2019	22	22	21	21	22.3	0.6	11.4	2.7	10.3	3.1	11.7	97.4	100.0	98.2	10.5
B19	2019	22	19	19	19	22.5	0.5	11.9	1.7	10.9	2.2	8.6	98.6	98.5	99.3	10.8
C19	2019	20	18	18	18	22.5	0.5	11.9	2.3	10.9	2.4	7.8	100.0	99.5	98.6	10.9
K18	2018	6	6	6	NA	22.5	0.5	11.5	1.9	10.7	2.4	7.2	100.0	98.4	NA	NC
L18	2018	22	21	21	21	22.3	0.5	11.7	2.5	10.7	2.2	8.3	99.1	97.7	100.0	10.6
M18	2018	6	5	5	NA	22.2	0.4	11.6	1.5	10.8	1.6	6.7	100.0	100.0	NA	NC
N18	2018	6	6	6	NA	22.2	0.4	13.3	1.4	12.8	1.2	3.3	100.0	98.7	NA	NC
V17	2017	24	24	23	23	22.4	0.5	12.6	1.5	11.0	2.1	12.3	96.2	98.8	99.4	11.1
U16	2016	6	5	5	NA	22.8	0.8	10.2	3.6	8.0	3.4	18.7	100	100	NA	NC
V16	2016	21	21	21	21	22.5	0.6	11.3	2.1	9.9	2.3	13.6	99.5	97.1	100	9.8
W16	2016	22	22	21	21	22.4	0.5	11.0	4.0	10.3	3.5	10.7	99.1	99.5	100	10.2
X16	2016	10	9	7	NA	22.6	0.8	11.9	5.3	10.6	3.6	20.7	100	100	NA	NC
I15	2015	24	22	22	22	22.2	0.4	12.8	1.5	11.5	1.3	10.1	98.4	99.6	100	11.3
J15	2015	24	24	24	24	22.4	0.5	11.9	1.8	10.6	1.7	10.4	99.6	98.0	100	10.6
K15-1	2015	24	22	22	22	22.2	0.4	12.8	1.6	11.8	1.4	7.8	98.8	98.8	100	11.6
K15-2	2015	24	24	22	22	22.2	0.4	11.9	2.1	11.3	2.2	5.1	96.0	96.2	100	10.9
L15	2015	10	10	10	NA	22.3	0.5	15.0	1.5	13.6	1.6	9.1	97.1	100	NA	NC
M15	2015	9	9	9	NA	22.0	0.0	14.2	3.6	13.9	3.3	2.0	100	100	NA	NC
Total %		302	289	282	234											
Mean			96%	93%	94%	22.3		12.1		11.0		9.9	98.5	98.7	99.6	10.8
SD							0.5		2.5		2.5					

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Historical Control Data

Rat Wistar: Crl-WI

Post-partum data - pup weights (g)

Page 1/2

Study	Year	Number of litters	Postnatal day 1				Postnatal day 4				Postnatal day 7				Postnatal day 14			
			Males		Females		Males		Females		Males		Females		Males		Females	
			Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
A19	2019	21	7.0	0.6	6.8	0.8	10.9	1.3	10.7	1.5	16.9	1.4	16.7	2.1	32.1	2.5	31.4	3.2
B19	2019	19	7.2	0.9	6.7	0.8	11.2	1.9	10.7	1.6	17.7	2.3	17.0	2.0	34.7	2.9	33.6	2.4
C19	2019	18	7.3	1.1	7.1	1.1	11.4	2.0	11.1	1.9	18.0	2.4	17.6	2.1	34.9	2.6	33.9	2.2
K18	2018	6	7.3	0.6	6.8	0.7	11.3	1.2	10.8	1.4	17.6	1.9	17.0	2.0	34.1	2.2	33.3	2.7
L18	2018	21	7.1	0.9	6.8	0.8	11.1	1.2	10.7	1.3	17.3	1.8	16.9	1.7	33.7	3.2	32.9	3.1
M18	2018	5	7.1	1.1	6.7	0.9	10.9	2.1	10.5	1.9	17.6	3.4	17.1	3.0				
N18	2018	6	6.8	0.2	6.6	0.3	10.8	0.6	10.5	0.6	15.9	0.5	15.4	0.5				
V17	2017	23	7.2	0.9	6.9	0.8	11.3	1.4	11.1	1.4	18.3	1.5	17.7	1.6	35.6	2.3	34.8	2.5
U16	2016	5	7.4	1.3	7.0	1.3	11.5	2.3	11.2	2.5	17.5	2.6	17.0	2.9				
V16	2016	21	7.4	0.8	7.0	0.6	11.4	1.0	10.9	0.9	17.4	1.1	16.5	1.5	33.3	2.0	31.9	3.0
X16	2016	7	7.0	1.4	6.6	1.1	10.5	2.3	10.2	2.3								
W16	2016	21	6.7	1.0	6.4	1.0	10.5	1.9	10.1	2.0	16.9	2.2	16.4	2.3	34.1	2.5	33.1	2.6
I15	2015	22	7.0	0.7	6.8	0.7	11.1	1.0	10.9	1.1	17.9	1.4	17.4	1.5	34.2	2.4	33.3	2.1
J15	2015	24	7.3	0.9	6.9	0.9	11.2	1.1	10.8	1.2	17.3	1.5	16.7	1.5	33.4	2.4	32.6	2.5
K15-1	2015	22	6.6	0.5	6.4	0.5	10.3	1.0	10.0	1.0	16.8	1.1	16.1	1.1	33.5	1.6	32.6	1.8
K15-2	2015	22	6.8	0.9	6.5	0.8	10.2	1.5	9.9	1.5	15.8	1.8	15.4	1.8	31.1	3.0	30.7	2.9
L15	2015	10	6.7	0.5	6.4	0.6	10.2	1.0	9.7	1.0								
M15	2015	9	6.4	0.6	6.0	0.5	9.8	1.2	9.4	1.1								
Total Mean		282	7.0		6.7		10.9		10.5		17.3		16.7		33.7		32.8	
SD				0.9		0.8		1.5		1.5		1.8		1.9		2.7		2.8

Historical Control Data

Rat Wistar: CrI-WI

Post-partum data - pup weights (g) Page 2/2

Study	Year	Number of litters	Postnatal day 21			
			Males		Females	
			Mean	SD	Mean	SD
A19	2019	21	52.1	4.5	51.5	4.7
B19	2019	19	55.3	4.7	53.5	3.9
C19	2019	18	55.9	3.5	54.1	2.6
K18	2018	6				
L18	2018	21	53.6	5.5	52.2	4.9
M18	2018	5				
N18	2018	6				
V17	2017	23	57.6	3.8	56.0	4.4
U16	2016	5				
V16	2016	21	55.1	3.3	52.5	5.0
X16	2016	7				
W16	2016	21	56.0	3.8	53.9	3.8
I15	2015	22	54.2	4.1	52.8	3.7
J15	2015	24	53.8	3.5	52.3	3.7
K15-1	2015	22	53.5	2.7	51.5	3.0
K15-2	2015	22	49.7	4.5	48.8	4.1
L15	2015	10				
M15	2015	9				
<i>Total</i>		282				
<i>Mean</i>			54.2		52.6	
<i>SD</i>				4.5		4.3

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Historical Control Data

Rat Wistar: Crl-WI

Pre-weaning development - % of pups positive

Study	Year	Number of litters	Pinna unfolding					Incisor eruption								Eye opening					
			PND1	PND2	PND3	PND4	PND5	PND7	PND8	PND9	PND10	PND11	PND12	PND13	PND14	PND12	PND13	PND14	PND15	PND16	PND17
B19	2019	19	12	79	100	100	100	0	0	8	36	74	100	100	100	6	45	94	100	100	100
C19	2019	18	31	73	100	100	100	0	0	1	15	44	85	98	100	2	41	86	100	100	100
L18	2018	21	10	48	100	100	100	0	3	10	39	66	99	100	100	1	15	77	100	100	100
V17	2017	23	18	73	100	100	100	0	0	2	43	81	98	100	100	1	20	84	99	100	100
V16	2016	21	25	79	100	100	100	0	1	8	23	61	93	99	100	1	14	73	97	100	100
W16	2016	21	7	59	99	100	100	1	2	16	46	84	97	99	100	3	11	56	94	100	100
I15	2015	22	4	43	98	100	100	0	4	11	50	89	99	100	100	0	25	85	99	100	100
J15	2015	24	9	71	99	100	100	0	1	7	47	87	100	100	100	1	18	83	100	100	100
<i>Total</i>		<i>169</i>																			
<i>Mean %</i>			<i>14</i>	<i>65</i>	<i>99</i>	<i>100</i>	<i>100</i>	<i>0</i>	<i>1</i>	<i>8</i>	<i>38</i>	<i>74</i>	<i>97</i>	<i>100</i>	<i>100</i>	<i>2</i>	<i>23</i>	<i>80</i>	<i>99</i>	<i>100</i>	<i>100</i>

PND: postnatal day

Historical Control Data from Wistar Rat (CRL Den Bosch)

Historical Control Data Rat: Cri:WI(Han) (outbred, SPF-Quality)
 Gestation Day 21

No. of Studies	49	
Total No. Fetuses/Litters Examined Externally	11515	1072
Total No. Fetuses/Litters Examined Viscerally	6234	1071
Total No. Fetuses/Litters Examined Skeletally	6219	1070

MALFORMATIONS	Mean of Study Means (% Per Litter Basis)							Summary Incidence (Total No. Affected)	
	Mean	SD	Median	Min	Max	P5	P95	Fetuses	Litters
Total External Malformations								14	14
Total Visceral Malformations								28	28
Total Skeletal Malformations								66	59
Total Malformations								101	92
EXTERNAL									
Anogenital- Fissure	0.0	0.06	0.0	0.0	0.4	0.0	0.0	1	1
Anus- Atresia	0.0	0.06	0.0	0.0	0.4	0.0	0.0	1	1
Exencephaly	0.0	0.09	0.0	0.0	0.5	0.0	0.2	2	2
Eye(s)- Bulge Absent and/or Small	0.0	0.09	0.0	0.0	0.6	0.0	0.0	1	1
Eye(s)- Open	0.0	0.09	0.0	0.0	0.5	0.0	0.2	2	2
General- Anasarca	0.0	0.07	0.0	0.0	0.5	0.0	0.0	1	1
Limb(s)- Malrotated	0.0	0.06	0.0	0.0	0.4	0.0	0.0	1	1
Lip- Cleft	0.0	0.09	0.0	0.0	0.6	0.0	0.0	1	1
Lower Jaw- Absent or small	0.0	0.10	0.0	0.0	0.5	0.0	0.4	3	3
Meningocele	0.0	0.10	0.0	0.0	0.5	0.0	0.3	2	2
Palate- Cleft	0.0	0.09	0.0	0.0	0.6	0.0	0.0	1	1
Snout- Proboscis	0.0	0.06	0.0	0.0	0.4	0.0	0.0	1	1
Tail- Absent	0.0	0.06	0.0	0.0	0.4	0.0	0.0	1	1
Trunk- Omphalocele	0.1	0.16	0.0	0.0	0.6	0.0	0.6	5	5
VISCERAL									
Aorta- Overriding	0.0	0.14	0.0	0.0	1.0	0.0	0.0	1	1
Aorta- Dilated	0.0	0.14	0.0	0.0	1.0	0.0	0.0	1	1
Aortic Arch- Right-sided	0.0	0.14	0.0	0.0	0.8	0.0	0.3	2	2
Diaphragmatic Hernia	0.0	0.12	0.0	0.0	0.8	0.0	0.2	2	2
Eye(s)- Absent and/or Small	0.2	0.81	0.0	0.0	5.3	0.0	1.5	7	7
Heart- Large	0.0	0.09	0.0	0.0	0.6	0.0	0.0	1	1

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**Historical Control Data Rat: Cri:WI(Han) (outbred. SPF-Quality)
Gestation Day 21**

MALFORMATIONS	Mean of Study Means (% Per Litter Basis)							Summary Incidence (Total No. Affected)	
	Mean	SD	Median	Min	Max	P5	P95	Fetuses	Litters
VISCERAL (continued)									
Hydrocephaly- External	0.0	0.13	0.0	0.0	0.9	0.0	0.0	1	1
Hydrocephaly- Internal	0.0	0.17	0.0	0.0	0.9	0.0	0.4	2	2
Lung- Abnormal Lobation	0.1	0.20	0.0	0.0	0.8	0.0	0.8	4	4
Situs Inversus	0.2	0.38	0.0	0.0	1.1	0.0	1.1	14	14
Ventricular Septum Defect	0.0	0.09	0.0	0.0	0.6	0.0	0.0	1	1
SKELETAL									
Costal Catilage Anomaly	0.1	0.27	0.0	0.0	1.7	0.0	0.5	3	3
Jaw- Upper Jaw Small	0.0	0.11	0.0	0.0	0.8	0.0	0.0	1	1
Jaw- Lower Jaw Absent or Small	0.0	0.11	0.0	0.0	0.8	0.0	0.0	1	1
Limb Bone(s)- Bent ¹	0.3	0.71	0.0	0.0	2.3	@	@	5	3
Rib Anomaly	0.1	0.34	0.0	0.0	1.6	0.0	1.0	6	5
Skull Anomaly	0.1	0.34	0.0	0.0	2.3	0.0	0.3	2	2
Skull Bones- Fused	0.0	0.19	0.0	0.0	1.1	0.0	0.4	2	2
Sternoschisis	0.1	0.22	0.0	0.0	1.1	0.0	0.8	3	3
Vertebral Anomaly With or Without Associated Rib Anomaly	0.3	0.52	0.0	0.0	1.9	0.0	1.6	16	16
Vertebral Centra Anomaly	0.0	0.18	0.0	0.0	1.0	0.0	0.4	2	2

@ Insufficient number of data for calculation. ¹ Based on 12 datasets.

Historical Control Data Rat: Cri:WI(Han) (outbred, SPF-Quality)
 Gestation Day 21

VARIATIONS	Mean of Study Means (% Per Litter Basis)							Summary Incidence (Total No. Affected)	
	Mean	SD	Median	Min	Max	P5	P95	Fetuses	Litters
EXTERNAL									
None Observed									
VISCERAL									
Adrenal Gland- Discolored	0.0	0.13	0.0	0.0	0.9	0.0	0.0	1	1
Kidney(s)- Renal Papilla(e) Absent and/or Small	0.1	0.24	0.0	0.0	1.1	0.0	0.9	4	4
Liver- Discolored	0.1	0.25	0.0	0.0	1.0	0.0	0.9	6	6
Liver- Small Supernumerary Lobe(s)	4.6	2.80	4.8	0.0	9.6	0.0	9.1	266	221
Lung- Abnormal Lobation	0.0	0.11	0.0	0.0	0.8	0.0	0.0	1	1
Spleen- Supernumerary	0.0	0.07	0.0	0.0	0.5	0.0	0.0	1	1
Subclavian (Right)- Originating from the Aortic Arch	0.0	0.10	0.0	0.0	0.7	0.0	0.0	1	1
Subclavian (Right)- Retroesophageal	0.0	0.27	0.0	0.0	1.9	0.0	0.0	2	2
Thymus- Partially Undescended Horn(s)	0.4	0.97	0.0	0.0	4.3	0.0	3.5	37	26
Thyroid- Discolored	0.0	0.19	0.0	0.0	1.3	0.0	0.0	1	1
Ureter(s)- Convoluted	0.9	1.58	0.0	0.0	8.7	0.0	4.2	73	54
Ureter(s)- Dilated	0.5	1.32	0.0	0.0	8.5	0.0	2.3	57	32
SKELETAL									
7th Cervical Rudimentary Rib(s) / Ossification Site(s)	3,8	2,65	3,6	0,0	9,9	0,0	8,7	215	174
7th Cervical Full Rib(s)	0,4	0,58	0,0	0,0	2,4	0,0	1,7	18	16
14th Full Rib(s)	6,3	3,65	6,8	0,0	13,1	0,7	12,1	365	254
14th Rudimentary Rib(s)	51,2	11,98	53,2	19,0	72,0	23,1	71,8	3033	970
Metacarpal(s) and/or Metatarsal(s) Malpositioned	0,0	0,09	0,0	0,0	0,6	0,0	0,0	1	1
Metacarpal(s) and/or Metatarsal(s) Unossified	3,3	3,57	2,2	0,0	17,6	0,0	12,4	186	122
Pelvic Girdle- Caudal Shift	5,9	2,87	5,0	1,7	13,0	1,9	12,3	360	230
Pubis- Unossified / Reduced Ossification	0,0	0,23	0,0	0,0	1,6	0,0	0,0	1	1
Rib(s)- Bent	13,7	6,37	12,8	0,8	27,4	2,1	25,8	757	401
Rib(s)- reduced ossification	0,0	0,13	0,0	0,0	0,9	0,0	0,0	1	1
Rib(s)- Short	0,0	0,03	0,0	0,0	0,2	0,0	0,0	1	1
Scapula(e)- Bent ¹	0,3	0,72	0,0	0,0	2,4	@	@	4	3

@ Insufficient number of data for calculation. ¹ Based on 12 datasets.

Historical Control Data Rat: CrI:WI(Han) (outbred. SPF-Quality)
 Gestation Day 21

VARIATIONS	Mean of Study Means (% Per Litter Basis)							Summary Incidence (Total No. Affected)	
	Mean	SD	Median	Min	Max	P5	P95	Fetuses	Litters
SKELETAL (continued)									
Skull Bone- Unossified Line	0.0	0.07	0.0	0.0	0.5	0.0	0.0	1	1
Skull- Reduced Ossification	8.5	5.22	7.1	0.0	20.0	0.4	18.8	483	282
Skull- Supernumerary Site	0.0	0.14	0.0	0.0	1.0	0.0	0.0	1	1
Sternebra- Supernumerary	0.0	0.26	0.0	0.0	1.8	0.0	0.0	2	1
Sternebra(e) #1, #2, #3 and/or #4 Unossified	0.1	0.28	0.0	0.0	1.6	0.0	0.8	4	4
Sternebra(e) #5 and/or #6 Unossified	0.4	0.84	0.0	0.0	4.1	0.0	2.5	44	30
Sternebra(e)- Branched	0.2	0.41	0.0	0.0	1.5	0.0	1.3	11	10
Sternebra(e)- Fused	0.0	0.15	0.0	0.0	1.0	0.0	0.2	2	2
Sternebrae- Malaligned ¹	7.9	2.49	8.2	3.0	11.7	@	@	123	99
Sternebra(e) Malaligned (Severe) ²	0.0	0.14	0.0	0.0	0.8	0.0	0.4	2	2
Sternebrae- Malaligned (Slight or Moderate) ²	17.7	9.07	18.6	4.4	43.8	5.1	33.9	748	447
Sternum- Supernumerary Ossification Site	0.1	0.25	0.0	0.0	1.1	0.0	1.0	3	3
Vertebral Arches- Reduced Ossification	0.1	0.42	0.0	0.0	2.3	0.0	1.1	6	6
Vertebral Centra- Reduced Ossification	0.8	1.01	0.6	0.0	3.5	0.0	3.2	48	45
Vertebral Centra- Unossified	0.0	0.13	0.0	0.0	0.9	0.0	0.0	1	1

@ Insufficient number of data for calculation. ¹ Based on 13 dataset. ² Based on 36 datasets.

Historical Control Data from Wistar Rat (CRL Horsham)

FETAL EXTERNAL ABNORMALITIES
 WISTAR RATS (CrI:WI[Han])
 GESTATION DAY 20 CAESAREAN-SECTION
 FULL STUDIES

NO. OF STUDIES INCLUDED	3			
NO. LITTERS EXAMINED	70			
NO. LIVE FETUSES EXAMINED	812			
	ABNORMALITIES		RANGE/STUDY	
		N	N	%
EYE(S)				
	: Bulge, depressed	L	1	0-1 (0-4.8)
		F	1	0-1 (0-0.4)
MOUTH				
	: Oral opening, small	L	1	0-1 (0-4.8)
		F	1	0-1 (0-0.4)
	: Tongue, absent	L	1	0-1 (0-4.8)
		F	1	0-1 (0-0.4)
BODY				
	: Umbilical hernia	L	1	0-1 (0-3.7)
		F	1	0-1 (0-0.3)
JAW				
	: Agnathia	L	1	0-1 (0-4.8)
		F	1	0-1 (0-0.4)
FORELIMB(S)/PAW(S)				
	: Digit, absent	L	1	0-1 (0-4.5)
		F	1	0-1 (0-0.4)

L: LITTER INCIDENCE
 F: FETAL INCIDENCE

Note: All summary values are based on studies with fetal findings

Updated 23 February 2019

FETAL SOFT TISSUE ABNORMALITIES
 WISTAR RATS (CrI:WI[Han])
 GESTATION DAY 20 CAESAREAN-SECTION
 FULL STUDIES

NO OF STUDIES INCLUDED		2		
NO LITTERS EXAMINED		45		
NO FETUSES EXAMINED		262		
	ABNORMALITIES		RANGE/STUDY	
			N	N %
BRAIN				
	: Lateral ventricle, slight dilation	L F	2 2	0-2 (0-8 0) 0-2 (0-1 2)
VESSELS				
	: Umbilical artery descends to left of urinary bladder	L F	1 1	0-1 (0-5 0) 0-1 (0-1 0)

L: LITTER INCIDENCE
 F: FETAL INCIDENCE
 Note: All summary values are based on studies with fetal findings

Updated 23 February 2019

FETAL SKELETAL ABNORMALITIES
 WISTAR RATS (Cr:WI[Han])
 GESTATION DAY 20 CAESAREAN-SECTION
 FULL STUDIES

NO OF STUDIES INCLUDED	2				
NO LITTERS EXAMINED	46				
NO FETUSES EXAMINED	289				
		ABNORMALITIES		RANGE/STUDY	
SKULL			N	N	%
	Nasal	: Nasal-frontal, suture, large	L	1	0-1 (0-4 0)
			F	1	0-1 (0-0 6)
	Parietals	: Incompletely ossified	L	1	0-1 (0-4 8)
			F	1	0-1 (0-0 9)
	Supraoccipitals	: Incompletely ossified	L	1	0-1 (0-4 0)
			F	1	0-1 (0-0 6)
VERTEBRAE					
	Cervical	: Arch, reduced ventral process, 6th	L	7	0-7 (0-28 0)
			F	9	0-9 (0-5 1)
		: Arch, incompletely ossified	L	4	0-4 (0-16 0)
			F	5	0-5 (0-2 8)
		: Cervical rib(s), present	L	1	0-1 (0-4 0)
			F	1	0-1 (0-0 6)
	Thoracic	: Centrum, bifid	L	1	0-1 (0-4 0)
			F	1	0-1 (0-0 6)
RIBS					
	Ribs	: One or more, wavy	L	8	0-4 (0-19 0)
			F	12	0-12 (0-5 3)
		: Incompletely ossified	L	2	0-2 (0-8 0)
			F	2	0-2 (0-1 1)
STERNEBRAE					
	Sternebra	: Incompletely ossified	L	12	0-12 (0-44 0)
			F	14	0-14 (0-7 4)
		: Not ossified	L	4	0-4 (0-16 0)
			F	5	0-5 (0-2 8)

L: LITTER INCIDENCE
 F: FETAL INCIDENCE

Note: All summary values are based on studies with fetal findings

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FETAL OSSIFICATION SITES
 WISTAR RATS (CrI:WI[Han])
 GESTATION DAY 20 CAESAREAN-SECTION

NO. OF STUDIES INCLUDED	2		
NO. LITTERS EXAMINED	46		
NO. FETUSES EXAMINED	289		
	MEAN	MINIMUM	MAXIMUM
HYOID	0.97	0.94	1.00
VERTEBRAE			
CERVICAL	7.00	7.00	7.00
THORACIC	13.20	13.20	13.20
LUMBAR	5.80	5.79	5.80
SACRAL	3.00	3.00	3.00
CAUDAL	4.90	4.72	5.07
RIBS (pairs)	13.18	13.17	13.18
STERNUM			
MANUBRIUM	1.00	1.00	1.00
STERNAL CENTERS	3.85	3.82	3.88
XIPHOID	0.99	0.97	1.00
FOREPAWS ^a			
CARPALS	0.00	0.00	0.00
METACARPALS	3.80	3.77	3.82
DIGITS	5.00	5.00	5.00
PHALANGES	5.48	5.38	5.57
HINDPAWS ^a			
TARSALS	0.00	0.00	0.00
METATARSALS	4.01	4.00	4.01
DIGITS	5.00	5.00	5.00
PHALANGES	5.00	5.00	5.00

a. Calculated as mean per limb

REPRODUCTIVE INDICES
WISTAR RATS (CrI:WI[Han])
GESTATION DAY 21 CAESAREAN-SECTION

	FULL STUDIES			DOSE RANGE STUDIES		
NO. OF STUDIES INCLUDED	27			12		
NO. OF RATS TESTED	600			78		
NO. OF RATS PREGNANT	568			74		
NO. FOUND DEAD	2			0		
NO. ABORTED	0			0		
NO. DELIVERED	4			1		
CAESAREAN-SECTIONED ON GD 20	562			73		
NO. OF RATS WITH SINGLE CONCEPTUS LITTER						
LIVE:	0			0		
RESORBED:	1			0		
ABORTED:	0			0		
	MEAN	MIN	MAX	MEAN	MIN	MAX
PREGNANT (%)	94.9	81.8	100.0	94.6	83.3	100.0
CORPORA LUTEA	11.2	9.6	16.0	11.3	8.8	15.0
IMPLANTATIONS	10.3	8.4	15.2	10.6	6.7	14.2
PREIMPLANTATION LOSS (%)	8.2	2.6	13.8	6.2	0.0	25.9
LITTER SIZES						
LIVE FETUSES	9.8	8.0	14.6	10.2	6.3	13.8
DEAD FETUSES	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL RESORPTIONS	0.4	0.1	1.2	0.4	0.0	0.9
EARLY RESORPTIONS	0.4	0.1	1.1	0.4	0.0	0.8
LATE RESORPTIONS	0.0	0.0	0.1	0.1	0.0	0.5
POSTIMPLANTATION LOSS (%)	5.1	1.2	11.4	3.2	0.0	8.0
DAMS WITH ANY RESORPTIONS (%)	31.0	15.8	54.5	29.5	0.0	50.0
DAMS WITH ALL CONCEPTUSES RESORBED (%)	0.2	0.0	5.6	0.0	0.0	0.0
DAMS WITH ONE OR MORE VIABLE FETUSES (%)	98.7	90.0	100.0	100.0	100.0	100.0

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REPRODUCTIVE INDICES
 WISTAR RATS (CrI:WI[Han])
 GESTATION DAY 21 CAESAREAN-SECTION

NO. OF STUDIES INCLUDED	FULL STUDIES 27			DOSE RANGE STUDIES 12		
	MEAN	MIN	MAX	MEAN	MIN	MAX
SEX RATIO (% MALES/LITTER)	50.3	41.1	56.9	48.9	39.4	57.4
LIVE FETAL BODY WEIGHTS GRAMS/LITTER:	5.26	4.94	5.52	5.43	5.27	5.68
MALE FETUSES:	5.41	5.06	5.66	5.54	5.26	5.91
FEMALE FETUSES:	5.14	4.80	5.55	5.27	4.98	5.57

FETAL EXTERNAL ABNORMALITIES
 WISTAR RATS (CrI:WI[Han])
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

NO OF STUDIES INCLUDED		7				
NO LITTERS EXAMINED		148				
NO LIVE FETUSES EXAMINED		1618				
				RANGE/STUDY		
ABNORMALITIES			N	N	%	
EYE(S)	: Bulge depressed	L	3	0-1	(0-5 0)	
		F	3	0-1	(0-0 5)	
MOUTH	: Oral opening absent	L	1	0-1	(0-4 5)	
		F	1	0-1	(0-0 3)	
JAWS	: Micrognathia	L	1	0-1	(0-4 5)	
		F	1	0-1	(0-0 3)	
BODY	: Umbilical hernia	L	4	0-2	(0-10 0)	
		F	4	0-2	(0-1 0)	
	: No anal opening	L	1	0-1	(0-4 5)	
		F	1	0-1	(0-0 3)	
	: Gastroschisis	L	1	0-1	(0-5 0)	
		F	1	0-1	(0-0 5)	
	: Subcutaneous edema, generalized	L	1	0-1	(0-5 0)	
		F	1	0-1	(0-0 5)	
: Genital tubercle, absent	L	1	0-1	(0-5 0)		
	F	1	0-1	(0-0 5)		
HINDLIMB(S)	: Rotated	L	3	0-1	(0-5 6)	
		F	3	0-1	(0-0 6)	
	: Absent	L	1	0-1	(0-5 0)	
		F	1	0-1	(0-0 5)	
	: Short	L	1	0-1	(0-5 0)	
		F	1	0-1	(0-0 5)	
PAW/DIGIT	: Forepaw, short	L	1	0-1	(0-5 0)	
		F	1	0-1	(0-0 5)	
TAIL	: Thread-like	L	1	0-1	(0-4 5)	
		F	1	0-1	(0-0 3)	
	: Pedunculated	L	1	0-1	(0-4 5)	
		F	1	0-1	(0-0 3)	
	: Short	L	1	0-1	(0-4 3)	
		F	1	0-1	(0-0 4)	
	: Constricted	L	1	0-1	(0-4 3)	
		F	1	0-1	(0-0 4)	

L: LITTER INCIDENCE
 F: FETAL INCIDENCE

Note: All summary values are based on studies with fetal findings

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FETAL SOFT TISSUE ABNORMALITIES
WISTAR RATS (CrI:WI[Han])
GESTATION DAY 21 CAESAREAN-SECTION
FULL STUDIES

NO. OF STUDIES INCLUDED		15		
NO. LITTERS EXAMINED		271		
NO. FETUSES EXAMINED		1663		
ABNORMALITIES				
EYE(S)			RANGE/STUDY	
			N	N %
EYE(S)	: Retina, folded	L	2	0-1 (0-5 0)
		F	2	0-1 (0-1 1)
	: Microphthalmia	L	1	0-1 (0-5 0)
		F	1	0-1 (0-1 0)
	: Lens, malpositioned	L	1	0-1 (0-4 5)
		F	1	0-1 (0-1 0)
SINUS	: Situs inversus	L	1	0-1 (0-5 0)
		F	1	0-1 (0-0 9)
HEART	: Interventricular septal defect	L	1	0-1 (0-5 0)
		F	1	0-1 (0-1 0)
VESSELS	: Umbilical artery descends to left of urinary bladder	L	27	0-9 (0-44 4)
		F	39	0-16 (0-10 0)
	: Persistent truncus arteriosus	L	1	0-1 (0-5 0)
		F	1	0-1 (0-1 0)
	: Aorta descends to the right, vessels arise in incorrect order, left subclavian branches from left carotid and innominate artery absent	L	1	0-1 (0-5 0)
		F	1	0-1 (0-1 0)
INTESTINES	: Protrudes through umbilicus	L	1	0-1 (0-4 2)
		F	1	0-1 (0-0 8)
	: Malpositioned	L	2	0-1 (0-4 8)
		F	2	0-1 (0-1 0)
LIVER	: Discoloration	L	5	0-3 (0-15 0)
		F	6	0-4 (0-3 8)
	: Misshapen	L	4	0-1 (0-16 7)
		F	5	0-2 (0-2 5)
STOMACH	: Contents discolored	L	1	0-1 (0-4 8)
		F	1	0-1 (0-0 6)
KIDNEY	: Renal pelvis, dilated, minimal	L	1	0-1 (0-5 0)
		F	1	0-1 (0-0 9)
GONAD	: Malpositioned	L	1	0-1 (0-5 0)
		F	1	0-1 (0-0 9)
URETER	: Dilated, severe	L	1	0-1 (0-5 0)
		F	1	0-1 (0-0 9)

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FETAL SKELETAL ABNORMALITIES
 WISTAR RATS (CrI:WI[Han])
 GESTATION DAY 21 CAESAREAN-SECTION
 DOSE-RANGE FINDING STUDIES

NO OF STUDIES INCLUDED 1
 NO LITTERS EXAMINED 6
 NO FETUSES EXAMINED 35

SKULL	ABNORMALITIES	RANGE/STUDY				
		N	N	%		
Parietal	: Incompletely ossified	L 1	0-1	(0-16 7)		
		F 2	0-2	(0-5 6)		
	Interparietal	: Incompletely ossified	L 1	0-1	(0-16 7)	
			F 1	0-1	(0-2 8)	
	Squamosal	: Incompletely ossified	L 1	0-1	(0-16 7)	
			F 1	0-1	(0-2 8)	
	Zygomatic arch	: Incompletely ossified	L 2	0-2	(0-33 3)	
			F 3	0-3	(0-7 9)	
		: Fused	L 2	0-2	(0-33 3)	
			F 2	0-2	(0-5 2)	
	Vertebrae	Cervical	: Cervical rib, short	L 3	0-3	(0-50 0)
				F 4	0-4	(0-12 5)
: Arch, fused		L 1	0-1	(0-16 7)		
		F 1	0-1	(0-2 4)		
: Centrum, bipartite ossification (previously reported as centrum, bifid)		L 1	0-1	(0-16 7)		
		F 1	0-1	(0-2 4)		
RIBS	Ribs	: Nodulated	L 3	0-3	(0-50 0)	
			F 7	0-7	(0-18 0)	
	: One or more, wavy	L 1	0-1	(0-16 7)		
		F 1	0-1	(0-2 8)		
STERNEBRAE	Sternebra	: Incompletely ossified	L 1	0-1	(0-16 7)	
			F 1	0-1	(0-3 3)	

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FETAL SKELETAL ABNORMALITIES
 WISTAR RATS (CrI:WI[Han])
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

NO OF STUDIES INCLUDED 24
 NO LITTERS EXAMINED 493
 NO FETUSES EXAMINED 2623

SKULL	ABNORMALITIES		RANGE/STUDY		
			N	N	%
Parietal	: Incompletely ossified	L	105	0-11	(0-52.4)
		F	165	0-22	(0-15.7)
Interparietal	: Incompletely ossified	L	47	0-8	(0-38.1)
		F	67	0-18	(0-11.1)
Squamosal	: Incompletely ossified	L	71	0-8	(0-36.4)
		F	92	0-12	(0-11.9)
Zygomatic arch	: Incompletely ossified	L	74	0-10	(0-47.6)
		F	92	0-20	(0-10.8)
	: Fused	L	5	0-2	(0-9.1)
		F	6	0-2	(0-2)
Frontal	: Incompletely ossified	L	22	0-4	(0-18.2)
		F	29	0-6	(0-5.9)
	: Holes	L	1	0-1	(0-5)
		F	1	0-1	(0-1.1)
Supraoccipital	: Incompletely ossified	L	16	0-5	(0-22.7)
		F	20	0-7	(0-6.9)
Hyoid	: Incompletely ossified	L	2	0-1	(0-4.8)
		F	2	0-1	(0-1)
Mandible	: Thickened	L	1	0-1	(0-5.6)
		F	1	0-1	(0-1.1)
	: Misshapen	L	1	0-1	(0-5.3)
		F	2	0-2	(0-2.2)
	: Contains a hole	L	2	0-1	(0-5)
		F	2	0-1	(0-1.1)
Suture	: Large	L	3	0-1	(0-5)
		F	10	0-8	(0-8.6)
Premaxilla	: Incomplete ossification	L	1	0-1	(0-5.3)
		F	2	0-2	(0-2.2)

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 F: FETAL INCIDENCE
 Note: All summary values are based on studies with fetal findings

Updated 23 February 2019

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FETAL SKELETAL ABNORMALITIES
WISTAR RATS (CrI:WI[Han])
GESTATION DAY 21 CAESAREAN-SECTION
FULL STUDIES

SKULL (CONT)	ABNORMALITIES	N	RANGE/STUDY	
			N	%
Tympanic	: Annulus, incomplete ossification	L 2	0-2	(0-10 5)
		F 3	0-3	(0-3 3)
	: Annulus, misshapen	L 1	0-1	(0-5 3)
		F 1	0-1	(0-1 1)
VERTEBRAE	Cervical	: Arch, incompletely ossified	L 4	0-2 (0-10 5)
			F 5	0-3 (0-3 3)
		: Arch, misshapen	L 3	0-3 (0-15 0)
			F 4	0-4 (0-4 1)
		: Lateral ossification site present at 7th cervical vertebrae	L 16	0-9 (0-42 8)
			F 26	0-16 (0-8 9)
		: Arch fused	L 1	0-1 (0-5 3)
			F 1	0-1 (0-1 1)
		: Cervical rib present at 7th cervical	L 13	0-4 (0-21)
			F 16	0-5 (0-5 6)
		: Cervical rib(s) present	L 27	0-10 (0-43 5)
			F 37	0-15 (0-10 9)
		: Cervical rib, short	L 32	0-5 (0-26 3)
		F 39	0-5 (0-5 8)	
		: Cervical rib, full	L 7	0-4 (0-21 1)
		F 7	0-4 (0-4 7)	
	Thoracic	: 12 present	L 1	0-1 (0-4 3)
			F 1	0-1 (0-0 7)
		: Arch, incompletely ossified	L 1	0-1 (0-5 6)
			F 1	0-1 (0-0 7)
		: Arch, fused	L 1	0-1 (0-5 6)
			F 1	0-1 (0-0 7)
		: Centrum, bipartite ossification (previously reported as centrum, bifid)	L 11	0-3 (0-14 3)
			F 11	0-3 (0-1 7)
		: Centrum, irregularly shaped	L 1	0-1 (0-5 0)
			F 1	0-1 (0-1 1)
		: Centrum, fused	L 1	0-1 (0-5 3)
			F 1	0-1 (0-1 1)
	: Centrum, incomplete ossification	L 2	0-2 (0-10 5)	
		F 2	0-2 (0-2 2)	
	: Centrum, unilateral ossification	L 1	0-1 (0-5 3)	
		F 1	0-1 (0-1 1)	
	Lumbar	: 5 present	L 2	0-2 (0-8 7)
		F 2	0-2 (0-1 4)	
: Centrum, unilateral ossification		L 1	0-1 (0-5 6)	
		F 1	0-1 (0-0 7)	
: Arch and centrum, fused		L 1	0-1 (0-5 6)	
		F 1	0-1 (0-0 7)	
: Vertebra, supernumerary		L 2	0-1 (0-5 3)	
		F 2	0-1 (0-1 2)	
: Vertebra, absent	L 1	0-1 (0-5 3)		
	F 1	0-1 (0-1 1)		

L: LITTER INCIDENCE
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Note: All summary values are based on studies with fetal findings

Updated 23 February 2019

CONFIDENTIAL

FETAL SKELETAL ABNORMALITIES
 WISTAR RATS (CrI:WI[Han])
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

VERTEBRAE (CONT)	ABNORMALITIES	N	RANGE/STUDY			
			N	%		
VERTEBRAE (CONT)	Sacral	: Arch, small	L 1	0-1	(0-4 3)	
			F 1	0-1	(0-0 7)	
	: Centrum, unilateral ossification	L 1	0-1	(0-4 3)		
		F 1	0-1	(0-0 7)		
	: Arch, irregularly shaped	L 4	0-1	(0-5 9)		
		F 4	0-1	(0-1 3)		
	Caudal	: 0 present	L 1	0-1	(0-4 3)	
			F 1	0-1	(0-0 7)	
		: Unossified	L 1	0-1	(0-4 3)	
			F 2	0-2	(0-2 2)	
	Vertebra	: Supernumerary	L 1	0-1	(0-4 5)	
			F 1	0-1	(0-1)	
RIBS	Ribs	: Incomplete ossification	L 1	0-1	(0-5 0)	
			F 1	0-1	(0-0 9)	
		: Nodulated (previously reported as thickened)	L 84	0-8	(0-42 1)	
			F 129	0-14	(0-15 1)	
		: One or more, wavy	L 29	0-5	(0-22 7)	
			F 36	0-9	(0-8 9)	
		: 12 present	L 1	0-1	(0-4 3)	
			F 1	0-1	(0-0 7)	
		: Bowed	L 1	0-1	(0-5 0)	
			F 1	0-1	(0-0 9)	
		: Short	L 4	0-1	(0-5 3)	
			F 4	0-1	(0-1 1)	
	Thoracolumbar	: Thoracolumbar, full (previously reported as T14, supernumerary)	L 31	0-8	(0-36 4)	
			F 37	0-9	(0-8 5)	
		: Thoracolumbar, short (previously reported as T14, less than 1/2 of the preceding rib)	L 159	0-21	(0-100)	
			F 513	0-103	(0-57 2)	
	STERNEBRAE	Sternebra	: Asymmetric	L 10	0-2	(0-10 5)
				F 10	0-2	(0-2 3)
: Fused			L 3	0-1	(0-5 3)	
			F 3	0-1	(0-1 2)	
: Duplicated			L 1	0-1	(0-5 0)	
			F 1	0-1	(0-0 9)	
: Incompletely ossified			L 8	0-2	(0-10 5)	
			F 9	0-3	(0-3 3)	
: Misshappen			L 4	0-1	(0-5 3)	
			F 4	0-1	(0-1 2)	
: Small			L 1	0-1	(0-5 6)	
			F 1	0-1	(0-0 7)	
: Extra point of ossification			L 3	0-1	(0-5 0)	
			F 3	0-1	(0-0 9)	

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Updated 23 February 2019

FETAL SKELETAL ABNORMALITIES
 WISTAR RATS (CrI:WI[Han])
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

	ABNORMALITIES	N	RANGE/STUDY	
			N	%
STERNEBRAE (CONT)				
	Claviculae			
	: Extra point of ossification	L 1	0-1	(0-4 8)
		F 1	0-1	(0-0 6)
FORELIMB				
	Phalanges			
	: Less than the expected number are ossified	L 33	0-14	(0-63 6)
		F 65	0-37	(0-36 6)
	: Unossified	L 12	0-11	(0-50 0)
		F 20	0-19	(0-17 9)
	: Absent	L 1	0-1	(0-5 0)
		F 1	0-1	(0-1 0)
	Humerus			
	: Misshapen	L 1	0-1	(0-5 3)
		F 1	0-1	(0-1 1)
	Metacarpal			
	: Unossified	L 3	0-2	(0-10 5)
		F 4	0-3	(0-3 3)
HINDLIMB				
	Phalanges			
	: Less than the expected number are ossified	L 27	0-13	(0-72 2)
		F 52	0-28	(0-19 8)
	: Absent	L 1	0-1	(0-5 0)
		F 1	0-1	(0-1 0)
	: Small	L 1	0-1	(0-5 0)
		F 1	0-1	(0-1 0)
	Femur			
	: Short	L 2	0-1	(0-5 3)
		F 2	0-1	(0-1 1)
	Fibula			
	: Short	L 2	0-1	(0-5 3)
		F 2	0-1	(0-1 1)
	Metatarsal			
	: Unossified	L 1	0-1	(0-5 3)
		F 1	0-1	(0-1 1)
	Tibia			
	: Short	L 2	0-1	(0-5 3)
		F 2	0-1	(0-1 1)

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Updated 23 February 2019

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Historical Control Data from Sprague Dawley Rat (CRL Horsham)

FETAL EXTERNAL ABNORMALITIES
 CrI:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 DOSE-RANGE STUDIES

NO OF STUDIES INCLUDED			9		
NO LITTERS EXAMINED			53		
NO LIVE FETUSES EXAMINED			674		
	ABNORMALITIES		RANGE/STUDY		
			N	N	%
FACE	: Naris, Absent	L	1	0-1	(0-16 7)
		F	1	0-1	(0-1 2)
	: Snout, Cleft	L	1	0-1	(0-16 7)
		F	1	0-1	(0-1 2)
MOUTH	: Small oral opening	L	2	0-1	(0-25 0)
		F	2	0-1	(0-1 9)
PALATE	: Cleft	L	2	0-1	(0-33 3)
		F	3	0-2	(0-4 2)
JAW	: Agnathia	L	1	0-1	(0-25 0)
		F	1	0-1	(0-1 9)
	: Micrognathia	L	1	0-1	(0-16 7)
		F	1	0-1	(0-1 4)
EYES	: Bulge depressed	L	1	0-1	(0-25 0)
		F	1	0-1	(0-1 9)
	: Open	L	1	0-1	(0-16 7)
		F	2	0-2	(0-2 7)
EARS	: Low set	L	1	0-1	(0-25 0)
		F	1	0-1	(0-1 9)
BODY	: Abdominal distension	L	1	0-1	(0-10 0)
		F	1	0-1	(0-0 6)
	: Trunk, short	L	1	0-1	(0-16 7)
		F	1	0-1	(0-1 5)
FORE AND/OR HINDLIMB(S)	: Limb(s), short	L	1	0-1	(0-10 0)
		F	1	0-1	(0-0 6)
	: Forepaw, hyperflexion	L	1	0-1	(0-16 7)
		F	1	0-1	(0-1 4)
	: Hindlimb, malrotated	L	1	0-1	(0-16 7)
		F	1	0-1	(0-1 5)

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Note: All summary values are based on studies with fetal findings

Updated on 02 Mar 2019

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FETAL EXTERNAL ABNORMALITIES
 Cr:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 DOSE-RANGE STUDIES

TAIL	ABNORMALITIES		RANGE/STUDY			
			N	N	%	
TAIL	: Absent	L	1	0-1	(0-16 7)	
		F	1	0-1	(0-1 5)	
	: Short	L	1	0-1	(0-16 7)	
		F	1	0-1	(0-1 5)	
	: Curled	L	1	0-1	(0-16 7)	
		F	4	0-4	(0-5 3)	
	: Thread-like	L	1	0-1	(0-16 7)	
		F	1	0-1	(0-1 5)	
	ANUS	: No opening present	L	0	0-1	(0-16 7)
			F	1	0-1	(0-1 5)

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Updated on 02 Mar 2019

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FETAL EXTERNAL ABNORMALITIES
 Crl:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

NO OF STUDIES INCLUDED		21		
NO LITTERS EXAMINED		468		
NO LIVE FETUSES EXAMINED		5994		
ABNORMALITIES		RANGE/STUDY		
		N	N	%
HEAD				
	: Exencephaly	L 3	0-1	(0-5 0)
		F 3	0-1	(0-0 4)
	: Fleshy protrusion	L 1	0-1	(0-4 3)
		F 1	0-1	(0-0 3)
	: Irregularly shaped	L 1	0-1	(0-4 3)
		F 1	0-1	(0-0 3)
	: Domed	L 2	0-1	(0-5 0)
		F 2	0-1	(0-0 3)
	: Meningocele	L 3	0-1	(0-4 5)
		F 3	0-1	(0-0 4)
EAR				
	: Pinna, absent	L 1	0-1	(0-5 0)
		F 1	0-1	(0-0 4)
EYE				
	: One or both eye bulges depressed	L 8	0-1	(0-5 6)
		F 8	0-1	(0-0 4)
	: One or both eye lids open	L 2	0-1	(0-5 6)
		F 2	0-1	(0-0 4)
	: Absent	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 8)
	: Protruding	L 1	0-1	(0-4 5)
		F 1	0-1	(0-0 4)
SNOUT				
	: Short	L 1	0-1	(0-5 6)
		F 1	0-1	(0-0 4)
	: Cleft	L 1	0-1	(0-4 3)
		F 1	0-1	(0-0 3)
	: Misshapen	L 2	0-1	(0-5 0)
		F 2	0-1	(0-0 4)
PALATE				
	: Cleft	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 3)
TONGUE				
	: Protruded	L 2	0-1	(0-5 6)
		F 2	0-1	(0-0 4)
	: Absent	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 3)
NOSE				
	: Nares, fused	L 2	0-1	(0-4 5)
		F 2	0-1	(0-0 4)

L LITTER INCIDENCE
 F FETAL INCIDENCE
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Updated 02 March 2019

FETAL EXTERNAL ABNORMALITIES
 Crl:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

	ABNORMALITIES		RANGE/STUDY		
			N	N	%
MOUTH	: Small oral opening	L	2	0-1	(0-5 0)
		F	2	0-1	(0-0 4)
	: Absent	L	2	0-1	(0-4 5)
		F	2	0-1	(0-0 4)
JAW	: Micrognathia	L	2	0-1	(0-4 2)
		F	2	0-1	(0-0 3)
	: Agnathia	L	1	0-1	(0-4 2)
		F	1	0-1	(0-0 3)
	: Mandible, absent	L	2	0-1	(0-4 5)
		F	2	0-1	(0-0 4)
BODY	: Umbilical hernia	L	2	0-1	(0-4 5)
		F	2	0-1	(0-0 4)
	: Edema	L	2	0-1	(0-5 0)
		F	2	0-1	(0-0 4)
	: Trunk short	L	4	0-1	(0-5 6)
		F	4	0-1	(0-0 4)
	: Gastroschisis	L	1	0-1	(0-4 8)
		F	1	0-1	(0-0 4)
	: Craniorachischisis	L	2	0-1	(0-5 6)
		F	2	0-1	(0-0 4)
	: Spina bifida	L	1	0-1	(0-5 0)
		F	1	0-1	(0-0 3)
	: Trunk, thoracogastroschisis	L	1	0-1	(0-5 0)
		F	1	0-1	(0-0 4)
FORE AND/OR HINDLIMBS(S)	: Digit(s), extra	L	1	0-1	(0-4 0)
		F	1	0-1	(0-0 3)
	: Paw(s), flexed	L	3	0-1	(0-5 0)
		F	3	0-1	(0-0 4)
	: Limb(s), rotated	L	2	0-1	(0-4 5)
		F	2	0-1	(0-0 3)
	: Limb(s), flexed	L	1	0-1	(0-4 2)
		F	1	0-1	(0-0 3)
	: Malrotated	L	1	0-1	(0-5 0)
		F	1	0-1	(0-0 4)
ANUS	: No opening present	L	2	0-1	(0-5 0)
		F	2	0-1	(0-0 4)
TAIL	: Short	L	1	0-1	(0-4 2)
		F	1	0-1	(0-0 3)
	: Absent	L	1	0-1	(0-4 8)
		F	1	0-1	(0-0 3)
	: Misshapen	L	1	0-1	(0-5 0)
		F	1	0-1	(0-0 4)

L LITTER INCIDENCE
 F FETAL INCIDENCE

Note All summary values are based on studies with fetal findings.

Updated 02 March 2019

FETAL SOFT TISSUE ABNORMALITIES
 CrI:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 DOSE RANGE FINDING STUDIES

NO OF STUDIES INCLUDED 6
 NO LITTERS EXAMINED 44
 NO FETUSES EXAMINED 403

	ABNORMALITIES		N	RANGE/STUDY	
				N	%
BRAIN	: Lateral ventricles, dilation, moderate	L	1	0-1	(0-10 0)
		F	1	0-1	(0-1 4)
EYE(S)	: Retina(s) folded	L	2	0-1	(0-16 7)
		F	3	0-2	(0-2 7)
	: Microphthalmia	L	2	0-1	(0-16 7)
		F	2	0-1	(0-1 4)
GENERAL	: Total, situs inversus	L	2	0-1	(0-16 7)
		F	2	0-1	(0-2 8)
TONGUE	: Small	L	1	0-1	(0-16 7)
		F	1	0-1	(0-1 4)
VESSELS	: Innominate artery, absent	L	1	0-1	(0-10 0)
		F	1	0-1	(0-1 3)
KIDNEY(S)	: Small	L	1	0-1	(0-16 7)
		F	4	0-4	(0-5 3)
	: Absent	L	1	0-1	(0-16 7)
		F	1	0-1	(0-1 3)
	: Malpositioned	L	1	0-1	(0-16 7)
		F	1	0-1	(0-1 3)

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Updated 03 March 2019

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FETAL SOFT TISSUE ABNORMALITIES
 CrI:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

NO. OF STUDIES INCLUDED	31
NO. LITTERS EXAMINED	693
NO. FETUSES EXAMINED	4864
NO. HEADS ONLY EXAMINED	149
NO. BODIES ONLY EXAMINED	162

	ABNORMALITIES		RANGE/STUDY		
			N	N	%
BRAIN	: Lateral ventricles, dilation, slight	L	3	0-1	(0-5.3)
		F	3	0-1	(0-0.8)
	: Lateral ventricles, dilation, moderate	L	3	0-1	(0-4.5)
		F	3	0-1	(0-0.6)
EYE(S)	: Retina(s) folded	L	6	0-1	(0-5.3)
		F	6	0-1	(0-0.8)
	: Malpositioned	L	1	0-1	(0-4.2)
		F	1	0-1	(0-0.6)
	: Cup irregular	L	1	0-1	(0-4.2)
		F	1	0-1	(0-0.6)
	: Microphthalmia	L	8	0-3	(0-12.5)
		F	8	0-3	(0-1.9)
	: Absent	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.8)
TONGUE	: Small	L	1	0-1	(0-4.2)
		F	1	0-1	(0-0.6)
	: Absent	L	1	0-1	(0-4.2)
		F	1	0-1	(0-0.6)
PALATE	: Irregularly shaped	L	1	0-1	(0-4.2)
		F	1	0-1	(0-0.6)
NASOPHARYNX	: Misshapen	L	1	0-1	(0-4.2)
		F	1	0-1	(0-0.6)

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Updated 02 March 2019

FETAL SOFT TISSUE ABNORMALITIES
 CrI:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

	ABNORMALITIES		RANGE/STUDY		
			N	N	%
HEART	: Interventricular septal defect	L	4	0-1	(0-4.8)
		F	4	0-1	(0-0.7)
	: Bicuspid valve, misshapen	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.7)
	: Lobe, misshapened	L	3	0-3	(0-14.3)
		F	3	0-3	(0-2.4)
VESSELS	: Innominate artery, absent	L	6	0-1	(0-5.0)
		F	6	0-1	(0-0.7)
	: Aorta passes dorsal to the trachea and esophagus	L	2	0-1	(0-5.0)
		F	2	0-1	(0-0.6)
	: Aortic arch, absent	L	1	0-1	(0-4.5)
		F	1	0-1	(0-0.8)
	: Aortic arch, interrupted	L	1	0-1	(0-4.8)
		F	1	0-1	(0-0.8)
	: Caroid artery, malpositioned	L	1	0-1	(0-4.5)
		F	1	0-1	(0-0.8)
	: Ductus arteriosus, patent	L	1	0-1	(0-5.0)
		F	3	0-3	(0-2.1)

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Updated 02 March 2019

FETAL SOFT TISSUE ABNORMALITIES				
CrI:CD(SD) RATS				
GESTATION DAY 21 CAESAREAN-SECTION				
FULL STUDIES				
VESSELS (CONT'D)	ABNORMALITIES	N	RANGE/STUDY	
			N	%
	: Subclavian artery, malpositioned	L	1	0-1 (0-4.5)
		F	1	0-1 (0-0.8)
	: Vessels arise in incorrect order	L	1	0-1 (0-4.0)
		F	1	0-1 (0-0.6)
	: Right subclavian passes dorsal to trachea and esophagus	L	1	0-1 (0-4.3)
		F	1	0-1 (0-0.6)
	: Right subclavian arises to the left of left subclavian	L	1	0-1 (0-4.3)
		F	1	0-1 (0-0.6)
	: Pulmonary artery constricted	L	1	0-1 (0-4.3)
		F	1	0-1 (0-0.6)
	: Transposed	L	2	0-1 (0-4.0)
		F	2	0-1 (0-0.7)
	: Major vessels, malpositioned	L	1	0-1 (0-5.0)
		F	1	0-1 (0-0.6)
INTESTINES	: Portion protrudes through umbilicus	L	1	0-1 (0-4.0)
		F	1	0-1 (0-0.6)
KIDNEYS	: Small	L	1	0-1 (0-4.5)
		F	1	0-1 (0-0.8)
URETER	: Dilated, slight	L	1	0-1 (0-5.0)
		F	1	0-1 (0-0.6)

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Updated 02 March 2019

FETAL SKELETAL ABNORMALITIES
 CrI:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 DOSE RANGE FINDING STUDIES

NO OF STUDIES INCLUDED		6	
NO LITTERS EXAMINED		52	
NO FETUSES EXAMINED		357	
		RANGESTUDY	
		N	%
ABNORMALITIES			
SKULL	Zygomatic		
	: Arch, incomplete ossification	L 4	0-1 (0-16 7)
		F 4	0-1 (0-3 3)
	Squamosal		
	: Incomplete ossification	L 1	0-1 (0-10 0)
		F 1	0-1 (0-1 6)
	Skull		
	: Suture, large	L 1	0-1 (0-10 0)
		F 1	0-1 (0-1 6)
VERTEBRAE	Cervical		
	: Cervical rib(s) present	L 3	0-2 (0-20 0)
		F 4	0-2 (0-3 0)
	: Cervical arch, misshapen	L 1	0-1 (0-16 7)
		F 1	0-1 (0-2 8)
	: Supernumerary, short	L 1	0-1 (0-16 7)
		F 1	0-1 (0-2 6)
	Thoracic		
	: Centrum, bifid	L 4	0-2 (0-20 0)
		F 5	0-3 (0-4 8)
	: Centrum, bipartite ossification	L 1	0-1 (0-16 7)
		F 2	0-2 (0-6 7)
	Lumbar		
	: Centrum, small	L 1	0-1 (0-10 0)
		F 1	0-1 (0-1 2)
	: Arches and centrum, fused	L 1	0-1 (0-10 0)
		F 1	0-1 (0-1 2)
	: 1 present	L 1	0-1 (0-10 0)
		F 1	0-1 (0-1 2)
	Sacral		
	: 0 present	L 1	0-1 (0-10 0)
		F 1	0-1 (0-1 2)
	Caudal		
	: Space	L 1	0-1 (0-10 0)
		F 1	0-1 (0-1 2)
	: Small	L 1	0-1 (0-10 0)
		F 1	0-1 (0-1 2)

L: LITTER INCIDENCE

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Updated 03 March 2019

CONFIDENTIAL

FETAL SKELETAL ABNORMALITIES
 CrI:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 DOSE RANGE FINDING STUDIES

ABNORMALITIES		RANGESTUDY			
		N	N	%	
RIBS	: Incomplete ossification	L	1	0-1 (0-10 0)	
		F	1	0-1 (0-1 6)	
STERNEBRAE	: One or more incompletely ossified or not ossified	L	1	0-1 (0-10 0)	
		F	1	0-1 (0-1 5)	
	: Asymmetric	L	1	0-1 (0-10 0)	
		F	1	0-1 (0-1 5)	
	: Misshapen	L	1	0-1 (0-16 7)	
		F	1	0-1 (0-2 6)	
PELVIS	Ilium	: Close set	L	1	0-1 (0-10 0)
			F	1	0-1 (0-1 2)
	Pubis	: Incomplete ossification	L	1	0-1 (0-10 0)
			F	1	0-1 (0-1 6)

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Updated 03 March 2019

CONFIDENTIAL

FETAL SKELETAL ABNORMALITIES
 Cr:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

NO OF STUDIES INCLUDED 76
 NO LITTERS EXAMINED 1680
 NO FETUSES EXAMINED 11630

SKULL	ABNORMALITIES	RANGE/STUDY			
		N	N	%	
Frontals	: Contain an interfrontal	L	4	0-1 (0-5 0)	
		F	4	0-1 (0-0 8)	
	: Incompletely ossified	L	20	0-2 (0-10 5)	
		F	24	0-5 (0-3 3)	
	: Misshapen	L	1	0-1 (0-5 0)	
		F	1	0-1 (0-0 7)	
	Nasal	: Short	L	1	0-1 (0-4 2)
			F	1	0-1 (0-0 6)
		: Misshapen	L	3	0-1 (0-5 0)
			F	3	0-1 (0-0 8)
	Nasal-Frontal	: Suture, large	L	5	0-1 (0-5 9)
			F	5	0-1 (0-0 9)
	Parietal	: Incompletely ossified	L	49	0-6 (0-30 0)
			F	63	0-8 (0-6 3)
		: Hole	L	2	0-1 (0-5 3)
			F	2	0-1 (0-0 7)
		: Misshapen	L	1	0-1 (0-5 0)
			F	1	0-1 (0-0 7)
	Interparietals	: Unossified	L	2	0-1 (0-5 0)
			F	2	0-1 (0-0 7)
		: Incompletely ossified	L	14	0-6 (0-28 6)
			F	17	0-6 (0-4 5)
	: Absent	L	2	0-1 (0-5 0)	
		F	2	0-1 (0-0 8)	
Eye Socket	: Small	L	4	0-1 (0-4 8)	
		F	4	0-1 (0-0 6)	
Palate	: Incompletely ossified	L	2	0-1 (0-4 2)	
		F	2	0-1 (0-0 6)	
	: Irregularly shaped	L	2	0-1 (0-5 0)	
		F	2	0-1 (0-0 7)	
: Absent	L	2	0-1 (0-4 5)		
	F	2	0-1 (0-0 7)		
Premaxilla	: Short	L	1	0-1 (0-4 2)	
		F	1	0-1 (0-0 6)	
	: Misshapen	L	2	0-1 (0-5 0)	
		F	2	0-1 (0-0 7)	

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Updated on 03 March 2019

FETAL SKELETAL ABNORMALITIES
 Cr:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

SKULL (CONT)	ABNORMALITIES	RANGE/STUDY			
		N	N	%	
Maxilla	: Short	L 1	0-1	(0-4 2)	
		F 1	0-1	(0-0 6)	
	: Split	L 1	0-1	(0-4 2)	
		F 1	0-1	(0-0 5)	
	: Incompletely ossified	L 1	0-1	(0-4 8)	
		F 2	0-2	(0-1 3)	
	: Misshapen	L 3	0-1	(0-5 0)	
		F 3	0-1	(0-0 8)	
	Mandible	: Short	L 1	0-1	(0-4 2)
			F 1	0-1	(0-0 6)
		: Misshapen	L 1	0-1	(0-5 0)
			F 1	0-1	(0-0 7)
: Absent		L 2	0-1	(0-4 5)	
		F 2	0-1	(0-0 8)	
Squamosal	: Misshapen	L 4	0-1	(0-5 0)	
		F 4	0-1	(0-0 8)	
	: Incompletely ossified	L 91	0-7	(0-35 0)	
	F 124	0-10	(0-8 3)		
Supraoccipital	: Incompletely ossified	L 4	0-1	(0-4 8)	
		F 5	0-2	(0-1 3)	
	: Hole	L 1	0-1	(0-5 3)	
		F 1	0-1	(0-0 7)	
	: Absent	L 1	0-1	(0-5 0)	
		F 1	0-1	(0-0 7)	
Suture	: Large	L 2	0-1	(0-5 6)	
		F 2	0-1	(0-0 8)	
Zygomatic Arch	: Incompletely ossified	L 131	0-11	(0-55 0)	
		F 201	0-21	(0-19 0)	
	: Fused	L 2	0-2	(0-9 5)	
		F 2	0-2	(0-1 8)	
	: Misshapen	L 4	0-1	(0-5 0)	
		F 4	0-1	(0-0 8)	
Tympanic Rings	: Incompletely ossified	L 4	0-3	(0-13 6)	
		F 5	0-4	(0-1 4)	
	: Close set	L 1	0-1	(0-4 2)	
		F 1	0-1	(0-0 5)	
	: Absent	L 1	0-1	(0-5 0)	
		F 1	0-1	(0-0 7)	
	: Fused	L 2	0-1	(0-4 5)	
		F 2	0-1	(0-0 8)	
Exoccipital	: Fused	L 1	0-1	(0-4 5)	
		F 1	0-1	(0-0 7)	
	: Absent	L 2	0-1	(0-5 0)	
		F 2	0-1	(0-0 7)	

L LITTER INCIDENCE

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Updated on 03 March 2019

FETAL SKELETAL ABNORMALITIES
 Cr:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

SKULL (CONT)	ABNORMALITIES	N	RANGE/STUDY	
			N	%
Sphenoid	: Incompletely ossified	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 6)
Basisphenoid	: Irregularly shaped	L 4	0-1	(0-5 0)
		F 4	0-1	(0-0 8)
Basioccipital	: Irregularly shaped	L 2	0-1	(0-5 0)
		F 2	0-1	(0-0 7)
Skull	: Unossified	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 5)
	: Short	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 5)
Hyoid	: Unossified	L 4	0--2	(0-9 1)
		F 4	0-2	(0-1 6)
	: Body, incomplete ossification	L 6	0-4	(0-20 0)
		F 8	0-6	(0-3 9)
VERTEBRAE	Canal	L 1	0-1	(0-5 0)
		F 1	0-1	(0-0 8)
Cervical	: Arch, incompletely ossified	L 28	0-3	(0-14 3)
		F 33	0-4	(0-2 2)
	: Arch, reduced ventral process, 6th	L 29	0-3	(0-13 6)
		F 32	0-5	(0-3 0)
	: Arch, 7th cervical arch had the appearance of the 6th arch	L 6	0-2	(0-8 0)
		F 6	0-2	(0-1 1)
	: Arch, fused	L 3	0-1	(0-4 2)
		F 3	0-1	(0-0 6)
	: Arch, open	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 5)
	: Arch, irregularly shaped	L 24	0-3	(0-13 6)
		F 24	0-3	(0-2 2)
	: Lateral ossification site	L 9	0-6	(0-27 3)
		F 9	0-6	(0-3 7)
	: Cervical rib present at 7th vertebra	L 64	0-4	(0-18 2)
		F 73	0-5	(0-4 0)
	: Hemivertebra	L 1	0-1	(0-4 0)
		F 1	0-1	(0-0 7)
	: Arch, small	L 1	0-1	(0-4 0)
		F 1	0-1	(0-0 7)
: Supernumerary, short	L 17	0-3	(0-15 0)	
	F 19	0-4	(0-3 2)	
: Supernumerary, full	L 1	0-1	(0-5 0)	
	F 1	0-1	(0-0 8)	

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Updated on 03 March 2019

CONFIDENTIAL

FETAL SKELETAL ABNORMALITIES
Cr:CD(SD) RATS
GESTATION DAY 21 CAESAREAN-SECTION
FULL STUDIES

VERTEBRAE (CONT)	ABNORMALITIES	RANGE/STUDY		
		N	N	%
Thoracic	: Centrum, bifid	L 166	0-8	(0-34 8)
		F 186	0-10	(0-5 7)
	: Centrum, unilateral ossification	L 5	0-1	(0-5 0)
		F 5	0-1	(0-0 8)
	: Centrum, not ossified	L 2	0-1	(0-5 0)
		F 2	0-1	(0-0 6)
	: Arch, fused	L 4	0-1	(0-4 8)
		F 4	0-1	(0-0 8)
	: Arch, open	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 5)
	: Arch, misshapen	L 1	0-1	(0-4 8)
		F 1	0-1	(0-0 8)
	: Centrum, misshapen	L 1	0-1	(0-4 5)
		F 1	0-1	(0-0 7)
	: 7 present	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 6)
	: 11 present	L 1	0-1	(0-4 0)
		F 1	0-1	(0-0 6)
	: Arch, small	L 1	0-1	(0-4 0)
		F 1	0-1	(0-0 6)
Lumbar	: Centrum, bifid	L 11	0-4	(0-18 2)
		F 11	0-4	(0-2 8)
	: Centrum, unilateral ossification	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 6)
	: Centrum, not ossified	L 1	0-1	(0-5 0)
		F 1	0-1	(0-0 8)
	: Centrum, irregularly shaped	L 1	0-1	(0-5 0)
		F 1	0-1	(0-0 8)
	: Centra, fused	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 6)
	: Arch, fused	L 1	0-1	(0-5 0)
		F 1	0-1	(0-0 8)
	: Arch, open	L 2	0-1	(0-5 0)
		F 2	0-1	(0-0 7)
	: Arch, irregularly shaped	L 1	0-1	(0-5 0)
		F 1	0-1	(0-0 8)
	: 10 present	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 6)
	: 5 present	L 1	0-1	(0-5 0)
		F 1	0-1	(0-0 8)
: Supernumerary	L 1	0-1	(0-4 8)	
	F 1	0-1	(0-0 7)	
: Arch, incompletely ossified	L 1	0-1	(0-5 0)	
	F 1	0-1	(0-0 7)	
Sacral	: Arch, open	L 2	0-1	(0-5 0)
		F 2	0-1	(0-0 7)
	: Arch, incompletely ossified	L 4	0-2	(0-10 0)
		F 4	0-2	(0-1 6)
	: 0 present	L 1	0-1	(0-5 0)
	F 1	0-1	(0-0 8)	

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Updated on 03 March 2019

CONFIDENTIAL

FETAL SKELETAL ABNORMALITIES
 Cr:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

VERTEBRAE (CONT)	ABNORMALITIES	RANGE/STUDY		
		N	N	%
Caudal	: 4 present	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 6)
	: Arch, open	L 3	0-1	(0-5 0)
		F 3	0-1	(0-0 8)
	: Less than 26 pre-sacral vertebrae	L 1	0-1	(0-4 5)
		F 1	0-1	(0-0 8)
RIBS	: Wavy	L 37	0-3	(0-12 5)
		F 40	0-4	(0-2 4)
	: One or more incompletely ossified (hypoplastic) or not ossified	L 44	0-3	(0-12 0)
		F 47	0-4	(0-2 4)
	: Fused	L 4	0-1	(0-4 5)
		F 4	0-1	(0-0 8)
	: Short	L 42	0-3	(0-12 5)
		F 45	0-3	(0-2 3)
	: Thickened	L 25	0-3	(0-12 5)
		F 29	0-4	(0-2 4)
	: 6 present	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 6)
	: 7 present	L 1	0-1	(0-4 2)
		F 1	0-1	(0-0 6)
	: Bent	L 1	0-1	(0-4 5)
		F 1	0-1	(0-0 6)
	: Broad	L 1	0-1	(0-4 5)
		F 1	0-1	(0-0 6)
	: Absent	L 2	0-1	(0-4 2)
		F 2	0-1	(0-0 5)
	: Nodulated	L 12	0-4	(0-20 0)
		F 14	0-5	(0-4 2)
	: Split	L 1	0-1	(0-4 0)
		F 1	0-1	(0-0 6)
	: 11 present	L 1	0-1	(0-4 0)
		F 1	0-1	(0-0 6)
	: T14, short	L 28	0-7	(0-31 8)
		F 49	0-15	(0-12 1)
	: T14, full	L 2	0-2	(0-9 5)
		F 2	0-2	(0-1 3)
: Thoracolumbar, full	L 3	0-3	(0-14 3)	
	F 3	0-3	(0-2 3)	
: Thoracolumbar, short	L 19	0-19	(0-90 5)	
	F 66	0-66	(0-49 9)	

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Updated on 03 March 2019

CONFIDENTIAL

FETAL SKELETAL ABNORMALITIES
 Cr:CD(SD) RATS
 GESTATION DAY 21 CAESAREAN-SECTION
 FULL STUDIES

STERNUM	ABNORMALITIES	RANGE/STUDY			
		N	N	%	
Sternebrae	: One or more incompletely ossified or not ossified	L 24	0-2	(0-9 1)	
		F 26	0-3	(0-2 4)	
	: Asymmetric	L 13	0-2	(0-8 3)	
		F 13	0-2	(0-1 1)	
	: Irregularly shaped	L 9	0-2	(0-10 0)	
		F 11	0-4	(0-3 7)	
	: Fused	L 5	0-2	(0-10 2)	
		F 5	0-2	(0-2 0)	
	: Duplicated	L 9	0-1	(0-5 0)	
		F 11	0-1	(0-0 7)	
	: Bipartite ossification	L 5	0-1	(0-5 0)	
		F 5	0-1	(0-0 8)	
	: Split	L 1	0-1	(0-5 0)	
		F 1	0-1	(0-0 7)	
	Centra	: Not ossified	L 3	0-1	(0-5 3)
			F 3	0-1	(0-0 7)
		: Incompletely ossified	L 1	0-1	(0-5 3)
			F 1	0-1	(0-0 7)
		: Asymmetric	L 2	0-1	(0-5 3)
			F 3	0-2	(0-1 4)
		: 7 present	L 1	0-1	(0-4 8)
			F 1	0-1	(0-0 7)
		: Irregularly shaped	L 1	0-1	(0-4 8)
			F 1	0-1	(0-0 7)
	Manubrium	: Bifid	L 1	0-1	(0-5 0)
			F 1	0-1	(0-0 6)
		: Fused	L 2	0-1	(0-4 2)
			F 2	0-1	(0-0 6)
		: Irregularly shaped	L 4	0-1	(0-4 0)
			F 4	0-1	(0-0 5)
		: Duplicated	L 2	0-1	(0-5 3)
			F 2	0-1	(0-0 7)
		: Incompletely ossified	L 1	0-1	(0-4 8)
		F 1	0-1	(0-0 7)	
Xiphoid	: Irregularly shaped	L 1	0-1	(0-4 5)	
		F 1	0-1	(0-0 7)	
	: Incompletely ossified	L 2	0-1	(0-4 8)	
		F 2	0-1	(0-0 7)	
SCAPULAE	Body and Ala	: Bent	L 1	0-1	(0-4 2)
			F 1	0-1	(0-0 6)

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Updated on 03 March 2019

FETAL SKELETAL ABNORMALITIES
Cr:CD(SD) RATS
GESTATION DAY 21 CAESAREAN-SECTION
FULL STUDIES

PELVIS	ABNORMALITIES	N	RANGE/STUDY			
			N	%		
PELVIS	Pubis	: Incompletely ossified	L 17	0-2	(0-9 5)	
			F 20	0-2	(0-2 6)	
	Ishchium	: Incompletely ossified	L 12	0-2	(0-8 0)	
			F 12	0-2	(0-1 1)	
	Pelvis	: Close-set	L 1	0-1	(0-5 0)	
			F 1	0-1	(0-0 8)	
	Ilium	: Malpositioned	L 1	0-1	(0-5 0)	
			F 1	0-1	(0-0 7)	
	FORELIMB(S)	Phalanx	: Absent	L 1	0-1	(0-4 5)
				F 1	0-1	(0-0 6)
: Less than the expected number ossified			L 13	0-9	(0-42 8)	
			F 24	0-20	(0-13 9)	
		: Unossified	L 63	0-17	(0-81 0)	
			F 204	0-71	(0-47 0)	
Digit		: Absent	L 1	0-1	(0-4 5)	
			F 1	0-1	(0-0 6)	
		: Short	L 1	0-1	(0-4 5)	
			F 1	0-1	(0-0 6)	
Metacarpal		: Fused	L 1	0-1	(0-4 2)	
			F 1	0-1	(0-0 6)	
		: Less than the expected number ossified	L 2	0-2	(0-9 1)	
			F 2	0-2	(0-1 2)	
		: Misaligned	L 1	0-1	(0-4 5)	
			F 1	0-1	(0-0 6)	
HINDLIMB(S)		Digit	: Extra	L 2	0-1	(0-4 2)
				F 2	0-1	(0-0 6)
	Phalanx	: Extra	L 2	0-1	(0-4 2)	
			F 2	0-1	(0-0 6)	
		: Less than the expected number ossified	L 37	0-20	(0-95 2)	
			F 167	0-101	(0-70 1)	
	Metatarsal	: Unossified	L 12	0-5	(0-22 7)	
			F 16	0-7	(0-5 5)	

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CONFIDENTIAL