

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

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** Adenoviral Vector (AdhAQP1)  
**CAS Number:** HAQP1

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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

**Experiment Number:** 20537-01  
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**Route:** INTRADUCTAL CANNULATION  
**Species/Strain:** Rat/F 344/N

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**Test Compound:** Adenoviral Vector (AdhAQP1)  
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**Date Report Requested:** 10/19/2014  
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**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS  
 INDIVIDUAL SURVIVAL TIMES (DAYS)

<b>DOSE = VEHCONTRCOHRTA</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
3	3	3	3	3
<b>DOSE = VEHCONTRCOHRTB</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
15	15	15	15	15
<b>DOSE = VEHCONTRCOHRTC</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
24	29	29	29	29
<b>DOSE = VEHCONTRCOHRTD</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
57	57	57	57	57

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

**Experiment Number:** 20537-01  
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**Species/Strain:** Rat/F 344/N

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**CAS Number:** HAQP1

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS  
 INDIVIDUAL SURVIVAL TIMES (DAYS)

<b>DOSE = VEHCONTRCOHR E</b>					
TOTAL	5	UNCENSORED DEATHS	0	CENSORED DEATHS 0	TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>					
none					
<b>CENSORED DEATH DAYS</b>					
none					
<b>DOSE = 2-8ADHAQP1COHTA</b>					
TOTAL	5	UNCENSORED DEATHS	0	CENSORED DEATHS 5	TERMINAL 0
<b>UNCENSORED DEATH DAYS</b>					
none					
<b>CENSORED DEATH DAYS</b>					
3	3	3	3	3	
<b>DOSE = 2-8ADHAQP1COHTB</b>					
TOTAL	5	UNCENSORED DEATHS	0	CENSORED DEATHS 5	TERMINAL 0
<b>UNCENSORED DEATH DAYS</b>					
none					
<b>CENSORED DEATH DAYS</b>					
15	15	15	15	15	
<b>DOSE = 2-8ADHAQP1COHTC</b>					
TOTAL	5	UNCENSORED DEATHS	0	CENSORED DEATHS 5	TERMINAL 0
<b>UNCENSORED DEATH DAYS</b>					
none					
<b>CENSORED DEATH DAYS</b>					
29	29	29	29	29	

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** Adenoviral Vector (AdhAQP1)  
**CAS Number:** HAQP1

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS  
 INDIVIDUAL SURVIVAL TIMES (DAYS)

<b>DOSE = 2-8ADHAQP1COHTD</b>					
TOTAL	5	UNCENSORED DEATHS	0	CENSORED DEATHS 5	TERMINAL 0
<b>UNCENSORED DEATH DAYS</b>					
none					
<b>CENSORED DEATH DAYS</b>					
57	57	57	57	57	
<b>DOSE = 2-8ADHAQP1COHTE</b>					
TOTAL	5	UNCENSORED DEATHS	0	CENSORED DEATHS 0	TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>					
none					
<b>CENSORED DEATH DAYS</b>					
none					
<b>DOSE = 2-11ADHAQP1COHTA</b>					
TOTAL	5	UNCENSORED DEATHS	0	CENSORED DEATHS 5	TERMINAL 0
<b>UNCENSORED DEATH DAYS</b>					
none					
<b>CENSORED DEATH DAYS</b>					
3	3	3	3	3	
<b>DOSE = 2-11ADHAQP1COHTB</b>					
TOTAL	5	UNCENSORED DEATHS	0	CENSORED DEATHS 5	TERMINAL 0
<b>UNCENSORED DEATH DAYS</b>					
none					
<b>CENSORED DEATH DAYS</b>					
15	15	15	15	15	

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** Adenoviral Vector (AdhAQP1)  
**CAS Number:** HAQP1

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS  
 INDIVIDUAL SURVIVAL TIMES (DAYS)

<b>DOSE = 2-11ADHAQP1COHTC</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
29	29	29	29	29
<b>DOSE = 2-11ADHAQP1COHTD</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
57	57	57	57	57
<b>DOSE = 2-11ADHAQP1COHTE</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	0
			TERMINAL	5
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
none				
<b>DOSE = 8-9ADHAQP1COHTA</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
3	3	3	3	3

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** Adenoviral Vector (AdhAQP1)  
**CAS Number:** HAQP1

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS  
 INDIVIDUAL SURVIVAL TIMES (DAYS)

<b>DOSE = 8-9ADHAQP1COHTB</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
15	15	15	15	15
<b>DOSE = 8-9ADHAQP1COHTC</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
29	29	29	29	29
<b>DOSE = 8-9ADHAQP1COHTD</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	5
			TERMINAL	0
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
57	57	57	57	57
<b>DOSE = 8-9AJDAQP1COHTE</b>				
TOTAL	5		UNCENSORED DEATHS	0
			CENSORED DEATHS	0
			TERMINAL	5
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
none				

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 20537-01

Test Type: 90-DAY

Route: INTRADUCTAL CANNULATION

Species/Strain: Rat/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Adenoviral Vector (AdhAQP1)

CAS Number: HAQP1

Date Report Requested: 10/19/2014

Time Report Requested: 17:36:31

First Dose M/F: NA / NA

Lab: MBA

Male RAT  
FIRST TERMINAL SACRIFICE AT 92 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	92(A)
VEHCONTRCOHRTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VEHCONTRCOHRTB	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VEHCONTRCOHRTC	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VEHCONTRCOHRTD	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0
VEHCONTRCOHR E	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2-8ADHAQP1COHTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-8ADHAQP1COHTB	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-8ADHAQP1COHTC	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-8ADHAQP1COHTD	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0
2-8ADHAQP1COHTE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2-11ADHAQP1COHTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-11ADHAQP1COHTB	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-11ADHAQP1COHTC	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-11ADHAQP1COHTD	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0
2-11ADHAQP1COHTE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8-9ADHAQP1COHTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9ADHAQP1COHTB	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9ADHAQP1COHTC	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9ADHAQP1COHTD	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0
8-9AJDAQP1COHTE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

**Experiment Number:** 20537-01  
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**Route:** INTRADUCTAL CANNULATION  
**Species/Strain:** Rat/F 344/N

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** Adenoviral Vector (AdhAQP1)  
**CAS Number:** HAQP1

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHCONTRCOHRTA	VEHCONTRCOHRTB	VEHCONTRCOHRTC	VEHCONTRCOHRTD
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	0.0%	0.0%	0.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	.	.	.
	(.)	(.)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	3.0	15.0	28.0	57.0
	(0.0)	(0.0)	(1.0)	(0.0)

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)



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

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHCONTRCOHR E	2-8ADHAQP1COHTA	2-8ADHAQP1COHTB	2-8ADHAQP1COHTC
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	0.0%	0.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	92.0 (0.0)	3.0 (0.0)	15.0 (0.0)	29.0 (0.0)

(A) FIRST TERMINAL SACRIFICE

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**Test Compound:** Adenoviral Vector (AdhAQP1)  
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**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	2-8ADHAQP1COHTD	2-8ADHAQP1COHTE	2-11ADHAQP1COHTA	2-11ADHAQP1COHTB
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	0.0%	100.0%	0.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	57.0 (0.0)	92.0 (0.0)	3.0 (0.0)	15.0 (0.0)

(A) FIRST TERMINAL SACRIFICE

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**Test Compound:** Adenoviral Vector (AdhAQP1)  
**CAS Number:** HAQP1

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**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	2-11ADHAQP1COHTC	2-11ADHAQP1COHTD	2-11ADHAQP1COHTE	8-9ADHAQP1COHTA
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	0.0%	0.0%	100.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	29.0 (0.0)	57.0 (0.0)	92.0 (0.0)	3.0 (0.0)

(A) FIRST TERMINAL SACRIFICE

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**Route:** INTRADUCTAL CANNULATION  
**Species/Strain:** Rat/F 344/N

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**Test Compound:** Adenoviral Vector (AdhAQP1)  
**CAS Number:** HAQP1

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**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	8-9ADHAQP1COHTB	8-9ADHAQP1COHTC	8-9ADHAQP1COHTD	8-9AJDAQP1COHTE
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	0.0%	0.0%	0.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	15.0 (0.0)	29.0 (0.0)	57.0 (0.0)	92.0 (0.0)

(A) FIRST TERMINAL SACRIFICE

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**Route:** INTRADUCTAL CANNULATION  
**Species/Strain:** Rat/F 344/N

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**Test Compound:** Adenoviral Vector (AdhAQP1)  
**CAS Number:** HAQP1

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 17:36:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**\*\* END OF REPORT \*\***

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)