Table 1A
COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope (Hybrid Method)

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
(2000 simulations each unless specified in the footnote)		MEDIAN (range)	Factor 95%/5%	Difference High-Median	Slope	
		TRUE SIGMA 0.12			Slope 8.3	
BEST CASE[1]	250 (199-314)	0.12 (0.09-0.185)	2.0	0.06	8.3	30+
10 at LD13, 45, & 70[2]	**250 (200-291)**	**0.13 (0.036-0.21)**	**5.8**	**0.08**	**7.6**	**30**
7 at LD13, 45, & 70[3]	**250 (205-297)**	**0.15 (0.032-0.22)**	**6.2**	**0.07**	**6.7**	**21**
5 at LD13, 45, & 70[4]	**250 (199-304)**	**0.12 (0.036-0.23)**	**6.4**	**0.11**	**8.3**	**15**
10 at LD13 & 70; & 5 at 45[5]	**250 (192-304)**	**0.12 (0.036-0.21)**	**5.8**	**0.09**	**8.3**	**25**
10 at LD13 & 45[6]	**250 (209-293)**	**0.129 (0.036-0.23)**	**6.3**	**0.10**	**7.8**	**20**
10 at LD13 & 70[7]	169 (169-203)	0.23 (0.23-30)				
10 at LD13, 40, & 87[8]	291 (241-308)	0.211 (0.118-0.268)	2.3	0.075	4.7	30
10 at LD13, 40, & 87[9]	291 (241-305)	0.18 (0.12-0.27)	2.3	0.09	4.7	30
7 at LD13, 40, & 87[10]	296 (238-308)	0.2 (0.15+P54-0.28)	2.0	0.08	5.0	21
5 at LD13, 40, & 87[11]	282 (230-307)	0.22 (0.17-0.29)	1.7	0.07	4.5	15
10 at LD13 & 87; & 5 at 40[12]	282 (230-307)	0.22 (0.17-0.27)	1.6	0.05	4.5	20
10 atLD13 and LD87	NONE	CONVERGED				

[1] Only includes the 769 out of 1000 runs that converged
[2] Only includes the 1154 runs that converged
[3] Only includes the 1047 runs that converged
[4] Only includes the 884 runs that converged
[5] Only includes the 929 runs that converged
[6] Only includes the 575 out of 1000 runs that converged
[7] Only includes the 59 runs that converged
[8] Only includes the 315 out of 1000 runs that converged
[9] Only includes the 584 runs that converged
[10] Only includes the 496 runs that converged
[11] Only includes the 418 runs that converged
[12] Only includes the 428 runs that converged

Table 1B
COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE
LD_{50}, CI and Slope (Multiple UDP)

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** 95%/5%	**Difference** High-Median	**Slope**	
TRUE SIGMA 0.12					**Slope 8.3**	
BEST CASE[1]	250 (199-314)	0.12 (0.09-0.185)	2.0	0.06	8.3	30+
Multiple UDP 6, 3[2]	**251 (207-312)**	**0.1 (0.035-0.21)**	**6.0**	**0.10**	**10**	**30**
Multiple UDP 5, 3[3]	**250 (202-305)**	**0.12 (0.032-0.20)**	**6.25**	**0.08**	**8.3**	**25**
Multiple UDP 4,3[4]	**247 (197-318)**	**0.119 (0.074-0.23)**	**3.1**	**0.11**	**8.4**	**21**
Multiple UDP 4,2[5]	**249 (196-318)**	**0.119 (0.074-0.22)**	**3.0**	**0.10**	**8.4**	**16**
Multiple UDP 3,3[6]	248 (191-326)	0.098 (0.058-0.227)	3.9	0.129	10.2	16
Current 401* (LD_{50}=50)	51 (46-54)	0.04 (0.02-0.05)	2.5	0.01	25	15

[1] Only includes the 769 out of 1000 runs that converged
[2] Only includes the 1147 runs that converged
[3] Only includes the 1272 runs that converged
[4] Only includes the 513 out of 1000 runs that converged
[5] Only includes the 542 out of 1000 runs that converged
[6] Only includes the 507 out of 1000 runs that converged
* Five at 20, 50, and 100 mg/kg, and 130 out of 1000 runs converged

Table 2A
COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope (Hybrid Method)

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** (95%/5%)	**Difference** High-Median	**Slope**	
		TRUE SIGMA 0.5			**Slope 2**	
BEST CASE[1]	250 (146-427)	0.507(0.375-0.769)	2.05	0.262	2	30+
10 at LD13, 45, & 70[2]	**257 (155-418)**	**0.44 (0.13-0.72)**	**5.5**	**0.28**	**2.3**	**30**
7 at LD13, 45, & 70[3]	265 (141-447)	0.41 (0.064-0.75)	11.7	0.34	2.44	21
5 at LD13, 45, & 70[4]	255 (136-477)	0.41 (0.040-0.81)	11.7	0.40	2.44	15
10 at LD13 & 70; & 5 at 45[5]	265 (150-482)	0.44 (0.12-0.73)	6	0.29	2.3	25
10 at LD13 & 45[6]	216 (89.2-402)	0.24 (0.026-0.778)	29	0.53	4.1	20
10 at LD13 & 70[7]	**268 (143-488)**	**0.45 (0.30-0.77)**	**2.6**	**0.32**	**2.2**	**20**
10 at LD13, 40, & 87[8]	228 (122-425)	0.369 (0.048-0.711)	32.5	0.342	2.7	30
10 at LD13, 40, & 87[9]	**228 (131-423)**	**0.39 (0.15-0.71)**	**4.8**	**0.32**	**2.6**	**30**
7 at LD13, 40, & 87[10]	**230 (114-453)**	**0.37 (0.19-0.74)**	**3.9**	**0.37**	**2.7**	**21**
5 at LD13, 40, & 87[11]	**230 (110-471)**	**0.36 (0.20-0.76)**	**3.8**	**0.40**	**2.8**	**15**
10 at LD13 & 87; & 5 at 40[12]	**231 (130-448)**	**0.41 (0.21-0.72)**	**3.4**	**0.31**	**2.4**	**25**
10 atLD13 and LD87	**245 (123-494)**	**0.58 (0.38-0.79)**	**2.1**	**0.21**	**1.72**	**20**

[1] Only includes the 783 out of 1000 runs that converged
[2] Includes all runs, however 30 did not converge
[3] Includes all runs, however 63 did not converge
[4] Includes all runs, however 85 did not converge
[5] Includes all runs, however 42 did not converge
[6] Includes all 1000 runs, however 75 did not converge
[7] Only includes the 1727 runs that converged
[8] Includes all 1000 runs, however 11 did not converge
[9] Includes all runs, however 93 did not converge
[10] Only includes the 1803 runs that converged
[11] Only includes the 1705 runs that converged
[12] Only includes the 1753 runs that converged
[13] Only includes the 1104 runs that converged

Table 2B
COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope (Multiple UDP)

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** (95%/5%)	**Difference** High-Median	**Slope**	
TRUE SIGMA 0.5					**Slope 2**	
BEST CASE[1]	250 (146-427)	0.507(0.375-0.769)	2.05	0.262	2	30+
Multiple UDP 6, 3[2]	**247 (138-444)**	**0.42 (0.18-0.74)**	**4.1**	**`0.32**	**2.38**	**30**
Multiple UDP 5, 3[3]	**250 (138-455)**	**0.41 (0.15-0.75)**	**5**	**0.34**	**2.44**	**25**
Multiple UDP 4,3	**247 (131-469)**	**0.4 (0.147-0.761)**	**5.17**	**0.361**	**2.5**	**21**
Multiple UDP 4,2	249 (131-470)	0.38 (0.083-0.82)	9.9	0.44	2.6	16
Multiple UDP 3,3	250 (129-490)	0.37 (0.011-0.75)	68	0.38	2.7	15
Current 401* (LD_{50}=50)	51 (19-155)	0.41 (0.04-1.5)	37.5	1.09	2.4	15

[1] Only includes the 783 out of 1000 runs that converged
[2] Includes all runs, however 14 did not converge
[3] Includes all runs, however 22 did not converge
*Five at 20, 50, and 100 mg/kg, and 1930 runs converged

Table 3A
COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope (Hybrid Method)

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** 95%/5%	**Difference** High-Mean	**Slope**	
		TRUE SIGMA 1.25			**Slope 0.8**	
BEST CASE[1]	250 (65.4-955)	1.27 (0.938-1.92)	2.0	0.65	0.79	30+
10 at LD13, 45, & 70[2]	**237 (76-875)**	**1.06 (0.53-2.6)**	**4.9**	**1.54**	**0.94**	**30**
7 at LD13, 45, & 70[3]	**226 (58-925)**	**1.0 (0.47-2.8)**	**5.9**	**1.8**	**1.0**	**21**
5 at LD13, 45, & 70[4]	242 (55-1103)	0.91 (0.36-3.0)	8.3	2.09	1.1	15
10 at LD13 & 70; & 5 at 45[5]	**243 (67-973)**	**1.1 (0.5-2.8)**	**3.4**	**1.7**	**0.9**	**25**
10 at LD13 & 45[6]	182 (36-998)	0.96 (0.2-3.37)	16.8	2.41	1.04	20
10 at LD13 & 70[7]	**244 (63-1060)**	**1.1 (0.53-2.6)**	**4.9**	**1.5**	**0.9**	**20**
10 at LD13, 40, & 87[8]	**242 (80.8-762)**	**1.13 (0.63-2.21)**	**3.5**	**1.08**	**0.88**	**30**
10 at LD13, 40, & 87	**248 (75-760)**	**1.14 (0.63-2.2)**	**3.5**	**1.06**	**0.87**	**30**
7 at LD13, 40, & 87[9]	**236 (67-925)**	**1.1 (0.57-2.6)**	**4.5**	**1.5**	**0.90**	**21**
5 at LD13, 40, & 87[10]	244 (55-1238)	1.0 (0.34-2.9)	2.9	1.9	1.0	15
10 at LD13 & 87; & 5 at 40[11]	**236 (75-833)**	**1.1 (0.61-2.4)**	**3.9**	**1.3**	**0.9**	**25**
10 atLD13 and LD87[12]	251 (27-2269)	1.7 (0.88-7.5)	8.5	5.8	0.64	20

[1] Only includes the 768 out of 1000 runs that converged
[2] All runs converged
[3] Includes all runs, however 1 did not converge
[4] Includes all runs, however 8 did not converge
[5] All runs converged
[6] All 1000 runs converged
[7] Includes all runs, however 1 did not converge
[8] All 1000 runs converged
[9] Includes all runs, however 2 did not converge
[10] Includes all runs, however 8 did not converge
[11] Includes all runs, however 3 did not converge
[12] Includes all runs, however 16 did not converge

Table 3B
COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope (Multiple UDP)

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** 95%/5%	**Difference** High-Mean	**Slope**	
TRUE SIGMA 1.25					**Slope 0.8**	
BEST CASE[1]	250 (65.4-955)	1.27 (0.938-1.92)	2.0	0.65	0.79	30+
Multiple UDP 6, 3[2]	**213 (54-1378)**	**1.1 (0.52-3.1)**	**6.0**	**2.0**	**0.9**	**30**
Multiple UDP 5, 3	**200 (50-1481)**	**1.0 (0.48-3.5)**	**7.3**	**2.5**	**1.0**	**20**
Multiple UDP 4,3	189 (41-1277)	1.05 (0.40-3.78)	9.4	2.73	0.95	21
Multiple UDP 4,2	209 (45-1051)	0.96 (0.4-3.9)	9.8	2.94	1.04	16
Multiple UDP 3,3	195 (43-1239)	0.93 (0.34-4.47)	13	3.54	1.07	16
Current 401* (LD_{50}=50)	51 (7.4-846)	0.63 (-14- 15)	2.5	14.37	1.6	15

[1] Only includes the 768 out of 1000 runs that converged

[2] Includes 11 runs where sigma was <0, that were set to high values

* Five at 20, 50, and 100 mg/kg, and all runs converged

Table 4A
COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope (Hybrid Method)

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** 95%/5%	**Difference** High-Mean	**Slope**	
		TRUE SIGMA 2.00			**Slope 0.5**	
BEST CASE[1]	250 (5.6-11078)	1.92 (0.52-3.08)	5.9	1.16	0.52	30+
10 at LD13, 45, & 70[2]	233 (29-2187)	1.6 (0.73-8.3)	11.37	6.7	0.625	30
7 at LD13, 45, & 70[3]	217 (21-2544)	1.5 (0.6-27)	45	25.5	0.67	21
5 at LD13, 45, & 70[4]	229 (20-2843)	1.3 (0.5->5.5)	>11	>4.2	0.77	15
10 at LD13 & 70; & 5 at 45[5]	239 (27-2438)	1.5 (0.74-7.7)	10.4	6.2	0.67	25
10 at LD13 & 45[6]	164 (17.2-2961)	1.27 (0.09-5.3)	58.4	4.04	0.79	20
10 at LD13 & 70[7]	240 (20-3017)	1.6 (0.73-12.0)	16.4	10.4	0.625	20
10 at LD13, 40, & 87[8]	**234 (34.7-2056)**	**1.67 (0.88-5.14)**	**5.8**	**3.47**	**0.6**	**30**
10 at LD13, 40, & 87	**236 (32-2048)**	**1.7 (0.86-6.9)**	**8.0**	**5.2**	**0.58**	**30**
7 at LD13, 40, & 87[9]	242 (26-3011)	1.6 (0.77-13)	16.8	11.4	0.625	21
5 at LD13, 40, & 87[10]	229 (19-4039)	1.6 (0.68-23)	33.8	21.4	0.625	15
10 at LD13 & 87; & 5 at 40[11]	**238 (30-1806)**	**1.7 (0.88-6.2)**	**7.0**	**4.5**	**0.58**	**25**
10 atLD13 and LD87[12]	**251 (27-2269)**	**1.7 (0.88-7.5)**	**8.5**	**5.8**	**0.58**	**20**

[1] Includes all 1000 runs, however 228 did not converge
[2] Includes 41 runs where sigma was <0, that were set to high values
[3] Includes 76 runs where sigma was <0, that were set to high values
[4] Includes 101 runs where sigma was <0, that were set to high values
[5] Includes 40 runs where sigma was <0, that were set to high values
[6] Includes (1K) 48 runs where sigma was <0, that were set to high values
[7] Includes 67 runs where sigma was <0, that were set to high values
[8] Includes (1K) 12 runs where sigma was <0, that were set to high values
[9] Includes 61 runs where sigma was <0, that were set to high values
[10] Includes 81 runs where sigma was <0, that were set to high values
[11] Includes 24 runs where sigma was <0, that were set to high values
[12] Includes 41 runs where sigma was <0, that were set to high values

Table 4B
COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope (Multiple UDP)

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** 95%/5%	**Difference** High-Mean	**Slope**	
		TRUE SIGMA 2.00			**Slope 0.5**	
BEST CASE[1]	250 (5.6-11078)	1.92 (0.52-3.08)	5.9	1.16	0.52	30+
Multiple UDP 6, 3[2]	162 (19-5635)	1.6 (0.73-27)	37	25.4	0.625	30
Multiple UDP 5, 3[3]	156 (16-4947	1.5 (0.69-34)	49.2	32.5	0.67	20
Multiple UDP 4,3	158 (12-6186)	1.6 (0.6-1000[+])			0.625	21
Multiple UDP 4,2		1.33 (0.54-1000[+])			0.75	16
Multiple UDP 3,3		1.41 (0.5-1000[+])			0.71	15
Current 401 (LD_{50}=50)						

[1] Includes all runs, however 228 did not converge

[2] Includes 77 runs where sigma was <0, that were set to high values

[3] Includes 11 runs where sigma was <0, that were set to high values

[+] Negative values set to 1000

Table 5

COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope (Multiple UDP)

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
		MEDIAN (range)	Factor 95%/5%	Difference High-Mean	Slope	
TRUE SIGMA 0.25					Slope 4	
Multiple UDP 6, 3[1]	250 (183-342)	0.2 (0.0059-0.38)	63.0	0.18	5.0	30
Multiple UDP 5, 3[2]	250 (183-345)	0.2 (0.0033-0.38)	115.1	0.18	5.0	20

[1] Includes all runs, however 110 did not converge
[2] Includes all runs, however 205 did not converge

Table 6

COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope

Comparison of Acceptable Methods

METHOD	ESTMATED LD_{50} (range)	ESTIMATED SIGMA				ANIMALS USED Median
(2000 simulations each unless specified in the footnote)		MEDIAN (range)	Factor 95%/5%	Difference High-Median	Slope	
		TRUE SIGMA 0.12			Slope 8.3	
BEST CASE[1]	250 (199-314)	0.12 (0.09-0.185)	2.0	0.06	8.3	30+
10 at LD13, 45, & 70[2]	**250 (200-291)**	**0.13 (0.036-0.21)**	**5.8**	**0.08**	**7.6**	**30**
10 at LD13, 45, & 70[2]	250 (208-291)	0.115 (0.036-0.205)	5.6	0.17	8.7	30
7 at LD13, 45, & 70[3]	250 (205-297)	0.15 (0.032-0.22)	6.2	0.07	6.7	21
5 at LD13, 45, & 70[4]	**250 (199-304)**	**0.12 (0.036-0.23)**	**6.4**	**0.11**	**8.3**	**15**
10 at LD13 & 70; & 5 at 45[5]	250 (192-304)	0.12 (0.036-0.21)	5.8	0.09	8.3	25
10 at LD13 & 45[6]	250 (209-293)	0.129 (0.036-0.23)	6.3	0.10	7.8	20
Multiple UDP 6, 3[7]	251 (207-312)	0.1 (0.035-0.21)	6.0	0.10	10	30
Multiple UDP 5, 3[8]	250 (202-305)	0.12 (0.032-0.20)	6.25	0.08	8.3	25
Multiple UDP 4,3[9]	247 (197-318)	0.119 (0.074-0.23)	3.1	0.11	8.4	21
Multiple UDP 4,2[10]	**249 (196-318)**	**0.119 (0.074-0.22)**	**3.0**	**0.10**	**8.4**	**16**

[1] Only includes the 769 out of 1000 runs that converged
[2] Only includes the 1154 runs that converged
[3] Only includes the 1047 runs that converged
[4] Only includes the 884 runs that converged
[5] Only includes the 929 runs that converged
[6] Only includes the 575 out of 1000 runs that converged
[7] Only includes the 1147 runs that converged
[8] Only includes the 1272 runs that converged
[9] Only includes the 513 runs that converged
[10] Only includes the 542 runs that converged

Table 7

COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope

Comparison of Acceptable Methods

METHOD	**ESTMATED LD_{50} (range)**	**ESTIMATED SIGMA**				**ANIMALS USED Median**
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** (95%/5%)	**Difference** High-Median	**Slope**	
		TRUE SIGMA 0.5			**Slope 2**	
BEST CASE[1]	250 (146-427)	0.507(0.375-0.769)	2.05	0.262	2	30+
10 at LD13, 45, & 70[2]	**257 (155-418)**	**0.44 (0.13-0.72)**	**5.5**	**0.28**	**2.3**	**30**
10 at LD13 & 70[3]	**268 (143-488)**	**0.45 (0.30-0.77)**	**2.6**	**0.32**	**2.2**	**20**
10 at LD13, 40, & 87[4]	228 (131-423)	0.39 (0.15-0.71)	4.8	0.32	2.6	30
7 at LD13, 40, & 87[5]	230 (114-453)	0.37 (0.19-0.74)	3.9	0.37	2.7	21
5 at LD13, 40, & 87[6]	**230 (110-471)**	**0.36 (0.20-0.76)**	**3.8**	**0.40**	**2.8**	**15**
10 at LD13 & 87; & 5 at 40[7]	231 (130-448)	0.41 (0.21-0.72)	3.4	0.31	2.4	25
10 atLD13 and LD87	**245 (123-494)**	**0.58 (0.38-0.79)**	**2.1**	**0.21**	**1.72**	**20**
Multiple UDP 6, 3[8]	247 (138-444)	0.42 (0.18-0.74)	4.1	`0.32	2.38	30
Multiple UDP 5, 3[9]	250 (138-455)	0.41 (0.15-0.75)	5	0.34	2.44	25
Multiple UDP 4,3	247 (131-469)	0.4 (0.147-0.761)	5.17	0.361	2.5	21

[1] Only includes the 783 out of 1000 runs that converged
[2] Includes all runs, however 30 did not converge
[3] Only includes the 1727 runs that converged
[4] Includes all runs, however 93 did not converge
[5] Only includes the 1803 runs that converged
[6] Only includes the 1705 runs that converged
[7] Only includes the 1753 runs that converged
[8] Includes all runs, however 14 did not converge
[9] Includes all runs, however 22 did not converge

Table 8

COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE

LD_{50}, CI and Slope

Comparison of Acceptable Methods

METHOD	**ESTMATED LD_{50} (range)**	**ESTIMATED SIGMA**				**ANIMALS USED Median**
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** 95%/5%	**Difference** High-Mean	**Slope**	
		TRUE SIGMA 1.25			**Slope 0.8**	
BEST CASE[1]	250 (65.4-955)	1.27 (0.938-1.92)	2.0	0.65	0.79	30+
10 at LD13, 45, & 70[2]	**237 (76-875)**	**1.06 (0.53-2.6)**	**4.9**	**1.54**	**0.94**	**30**
7 at LD13, 45, & 70[3]	226 (58-925)	1.0 (0.47-2.8)	5.9	1.8	1.0	21
10 at LD13 & 70; & 5 at 45[4]	**243 (67-973)**	**1.1 (0.5-2.8)**	**3.4**	**1.7**	**0.9**	**25**
10 at LD13 & 70[5]	**244 (63-1060)**	**1.1 (0.53-2.6)**	**4.9**	**1.5**	**0.9**	**20**
10 at LD13, 40, & 87[6]	242 (80.8-762)	1.13 (0.63-2.21)	3.5	1.08	0.88	30
10 at LD13, 40, & 87	248 (75-760)	1.14 (0.63-2.2)	3.5	1.06	0.87	30
10 at LD13 & 87; & 5 at 40[7]	**236 (75-833)**	**1.1 (0.61-2.4)**	**3.9**	**1.3**	**0.9**	**25**
Multiple UDP 6, 3[8]	213 (54-1378)	1.1 (0.52-3.1)	6.0	2.0	0.9	30
Multiple UDP 5, 3	**200 (50-1481)**	**1.0 (0.48-3.5)**	**7.3**	**2.5**	**1.0**	**20**

[1] Only includes the 768 out of 1000 runs that converged
[2] All runs converged
[3] Includes all runs, however 1 did not converge
[4] All runs converged
[5] Includes all runs, however 1 did not converge
[6] All runs converged
[7] Includes all runs, however 3 did not converge
[8] Includes 11 runs where sigma was <0, that were set to high values

Table 9

COMPARISON OF VARIOUS SUPPLEMENTAL PROCEDURES TO DETERMINE LD_{50}, CI and Slope

Comparison of Acceptable Methods

METHOD	**ESTMATED LD_{50} (range)**	**ESTIMATED SIGMA**				**ANIMALS USED Median**
(2000 simulations each unless specified in the footnote)		**MEDIAN (range)**	**Factor** 95%/5%	**Difference** High-Mean	**Slope**	
TRUE SIGMA 2.00					**Slope 0.5**	
BEST CASE[1]	250 (5.6-11078)	1.92 (0.52-3.08)	5.9	1.16	0.52	30+
10 at LD13, 40, & 87[2]	**234 (34.7-2056)**	**1.67 (0.88-5.14)**	**5.8**	**3.47**	**0.6**	**30**
10 at LD13, 40, & 87	236 (32-2048)	1.7 (0.86-6.9)	8.0	5.2	0.58	30
10 at LD13 & 87; & 5 at 40[3]	**238 (30-1806)**	**1.7 (0.88-6.2)**	**7.0**	**4.5**	**0.58**	**25**
10 atLD13 and LD87[4]	**251 (27-2269)**	**1.7 (0.88-7.5)**	**8.5**	**5.8**	**0.58**	**20**

[1] Includes all runs, however 228 did not converge

[2] Includes 12 runs where sigma was <0, that were set to high values

[3] Includes 24 runs where sigma was <0, that were set to high values

[4] Includes 41 runs where sigma was <0, that were set to high values