

**Table S1. Body Weight Gain in the 28-Day Study**

Group (mg/kg bw/day)		Body weight gain (g) between days								
		0-3	3-7	7-10	10-14	14-17	17-21	21-24	24-27	0-27
<b>Male</b>										
0 (Control) (n = 10)	Mean	18.5	22.7	19.9	16.0	13.9	15.9	9.5	10.5	126.9
	SD	2.0	3.2	3.2	3.7	2.4	3.2	1.8	3.1	11.8
400 (n = 10)	Mean	20.4	25.3	20.8	17.3	14.7	15.9	9.7	11.4	135.5
	SD	2.3	4.0	3.4	3.5	3.1	2.5	3.1	3.3	10.9
	SS									
800 (n = 10)	Mean	21.5	24.2	20.1	16.1	14.5	14.7	10.5	12.7	134.3
	SD	3.4	3.6	3.8	3.4	2.3	2.8	2.5	3.4	14.5
	SS	*								
1200 (n = 10)	Mean	22.4	25.1	19.2	17.8	16.1	16.6	11.2	11.7	140.1
	SD	2.3	3.1	3.2	3.4	3.9	4.0	3.6	2.5	15.6
	SS	**								
Test for Significance		DN	NS	NS	NS	NS	NS	NS	NS	
<b>Female</b>										
0 (Control) (n = 10)	Mean	10.8	12.2	8.1	11.4	6.2	11.7	0.2	7.8	68.4
	SD	3.2	2.3	4.2	3.0	4.3	3.7	3.6	4.8	9.9
400 (n = 10)	Mean	9.8	12.3	9.5	11.5	7.3	10.5	1.8	4.8	67.5
	SD	2.3	2.3	4.2	3.4	4.0	2.5	3.3	4.1	6.5
	SS									
800 (n = 10)	Mean	9.8	13.0	8.8	10.7	7.4	9.1	3.2	4.3	66.3
	SD	2.1	2.9	4.9	3.9	5.1	3.0	3.4	3.7	10.6
	SS									
1200 (n = 10)	Mean	10.5	13.1	12.1	9.8	6.8	8.1	2.8	5.2	68.4
	SD	2.6	3.7	4.7	4.3	3.0	3.5	2.7	4.8	14.5
	SS					*				
Test for Significance		NS	NS	NS	NS	NS	DN	NS	NS	

Abbreviations: DN, Duncan's multiple range test; NS, Not Significant; SD, standard deviation; SS, statistically significant compared to control.

\*p < 0.05; \*\*p < 0.01

**Table S2. Food Consumption and Feed Efficiency in the 28-Day Study**

Group (mg/kg bw/day)	Days Weeks	Food consumption (g/animal/day)				Feed efficiency (g food/g bwg)			
		0-7 1	7-14 2	14-21 3	21-27 4	0-7 1	7-14 2	14-21 3	21-27 4
<b>Male</b>									
0 (Control) (n = 10)	Mean	22.3	23.7	24.1	23.8	3.81	4.68	5.72	7.30
	SD	1.6	1.9	1.9	1.9	0.28	0.58	0.55	1.21
400 (n = 10)	Mean	23.3	24.4	25.6	24.0	3.59	4.51	5.92	7.01
	SD	1.5	2.0	1.8	2.0	0.28	0.46	0.77	1.22
800 (n = 10)	Mean	22.5	23.1	23.9	23.1	3.47	4.53	5.76	6.07
	SD	2.0	1.6	1.7	1.5	0.30	0.47	0.62	0.79
	SS					*			0.26
1200 (n = 10)	Mean	22.8	24.0	25.5	24.4	3.37	4.58	5.58	6.55
	SD	2.4	2.4	2.9	2.7	0.39	0.54	0.96	1.09
	SS					**			0.49
Test for Significance		NS	NS	NS	NS	DN	NS	NS	DN
<b>Female</b>									
0 (Control) (n = 10†)	Mean	16.0	17.3	18.3	17.7	5.03	6.69	7.63	16.88
	SD	0.8	0.9	1.2	1.6	0.83	2.17	2.15	12.89
400 (n = 10†)	Mean	16.4	17.1	18.5	17.6	5.24	5.86	7.86	17.92
	SD	1.7	1.5	1.5	1.3	0.62	0.99	2.50	13.67
800 (n = 10†)	Mean	16.4	16.6	17.6	17.0	5.16	6.20	8.07	14.49
	SD	1.4	1.6	1.8	1.7	0.69	1.32	2.28	5.63
1200 (n = 10)	Mean	15.9	16.9	17.6	17.3	4.93	5.75	9.10	16.91
	SD	1.5	1.8	1.9	2.5	1.02	1.52	2.78	10.03
	SS								1.07
Test for Significance		NS	NS	NS	NS	NS	NS	NS	NS

Abbreviations: DN, Duncan's multiple range test; NS, Not Significant; SD, standard deviation; SS, statistically significant compared to control.

†Week 4 Feed efficiency (n = 9)

\*p < 0.05; \*\*p < 0.01

**Table S3. Organ Weights in the 28-Day Study**

Group (mg/kg bw/day)	Body weight (g)	Organ weight (g)									
		Brain	Liver	Kidneys	Heart	Thymus	Spleen	Testes	Epididymides	Prostate†	Adrenals
<b>Male</b>											
Control (n = 10)	Mean SD	318.9 19.38	2.05 0.10	10.10 1.11	2.12 0.24	0.94 0.07	0.54 0.06	0.60 0.13	3.26 0.25	1.07 0.11	1.62 0.17
400 (n = 10)	Mean SD	325.1 16.72	2.01 0.05	9.91 1.07	2.05 0.16	0.94 0.08	0.54 0.10	0.62 0.07	3.18 0.28	1.07 0.14	1.69 0.32
800 (n = 10)	Mean SD SS	321.2 14.02 —	2.00 0.06	9.59 0.76	2.14 0.16	0.92 0.07	0.47 0.06	0.63 0.09	3.33 0.17	1.00 0.14	1.50 0.29
1200 (n = 10)	Mean SD	324.9 20.65	2.01 0.08	9.95 1.16	2.16 0.18	0.93 0.10	0.48 0.07	0.63 0.06	3.36 0.20	1.09 0.13	1.61 0.25
Test for Significance		NS	NS	NS	NS	NS	DN	NS	NS	NS	NS
Historical Control Range		249.0–316.0	1.90–2.21	7.09–9.92	1.69–2.55	0.70–0.98	0.49–0.93	0.49–0.77	2.84–3.54	0.66–1.07	0.86–1.39
<b>Female</b>											
0 (Control) (n = 10)	Mean SD	202.8 12.24	1.91 0.09	6.03 0.52	1.51 0.14	0.70 0.06	0.42 0.07	0.47 0.05	0.100 0.016	— —	0.61 0.16
400 (n = 10)	Mean SD	201.0 9.98	1.90 0.09	5.62 0.39	1.45 0.10	0.65 0.04	0.40 0.06	0.48 0.05	0.094 0.012	— —	0.56 0.13
800 (n = 10)	Mean SD	201.3 15.87	1.90 0.08	5.85 0.76	1.43 0.12	0.66 0.05	0.44 0.10	0.43 0.05	0.090 0.020	— —	0.56 0.16
1200 (n = 10)	Mean SD SS	203.8 20.35 —	1.87 0.09	6.02 0.86	1.41 0.13	0.63 0.06	0.41 0.09	0.49 0.10	0.095 0.016	— —	0.52 0.15
Test for Significance		NS	NS	NS	NS	DN	NS	NS	NS	—	NS
Historical Control Range		160–195	1.75–1.98	4.74–6.61	1.20–1.61	0.54–0.66	0.28–0.59	0.32–0.54	0.081–0.113	—	0.35–0.56
											0.055–0.099

Abbreviations: DN, Duncan's multiple range test; NS, Not Significant; SD, standard deviation; SS, statistically significant compared to control.

†Prostate with seminal vesicles and coagulating gland as a whole.

\*p &lt; 0.05

Remarks: Paired organs were weighed together.

**Table S4. Organ Weights Relative to Body Weight in the 28-Day Study**

Group (mg/kg bw/day)		Organ weight relative to body weight (%)									
		Brain	Liver	Kidneys	Heart	Thymus	Spleen	Testes	Epididymides	Prostate†	Adrenals
<b>Male</b>											
Control (n = 10)	Mean	0.646	3.162	0.663	0.295	0.169	0.187	1.020	0.337	0.508	0.023
	SD	0.047	0.229	0.054	0.012	0.021	0.035	0.039	0.027	0.035	0.003
400 (n = 10)	Mean	0.618	3.044	0.630	0.290	0.167	0.192	0.978	0.327	0.520	0.023
	SD	0.023	0.231	0.041	0.012	0.030	0.020	0.087	0.038	0.103	0.003
800 (n = 10)	Mean	0.623	2.982	0.666	0.286	0.145	0.195	1.038	0.313	0.466	0.022
	SD	0.034	0.121	0.032	0.017	0.016	0.023	0.059	0.049	0.081	0.003
	SS				*						
1200 (n = 10)	Mean	0.621	3.057	0.667	0.286	0.148	0.193	1.039	0.337	0.495	0.024
	SD	0.053	0.212	0.057	0.026	0.023	0.017	0.104	0.050	0.067	0.002
Test for Significance		NS	NS	NS	NS	DN	NS	NS	NS	NS	NS
Historical Control Range											
<b>Female</b>											
0 (Control) (n = 10)	Mean	0.943	2.974	0.745	0.343	0.208	0.234	0.050	—	0.303	0.043
	SD	0.077	0.198	0.050	0.030	0.032	0.023	0.008	—	0.085	0.003
400 (n = 10)	Mean	0.945	2.800	0.723	0.326	0.198	0.239	0.047	—	0.279	0.040
	SD	0.050	0.174	0.032	0.022	0.028	0.026	0.006	—	0.060	0.006
800 (n = 10)	Mean	0.949	2.898	0.710	0.329	0.218	0.215	0.045	—	0.277	0.040
	SD	0.070	0.193	0.026	0.019	0.048	0.021	0.008	—	0.075	0.004
	SS			*							
1200 (n = 10)	Mean	0.924	2.947	0.695	0.310	0.203	0.241	0.046	—	0.258	0.040
	SD	0.090	0.224	0.036	0.016	0.040	0.028	0.006	—	0.086	0.007
	SS			**	**						
Test for Significance		NS	NS	DN	DN	NS	NS	NS	—	NS	NS
Historical Control Range											
<b>Ovaries</b>											
<b>Uterus</b>											

Abbreviations: DN, Duncan's multiple range test; NS, Not Significant; SD, standard deviation; SS, statistically significant compared to control.

†Prostate with seminal vesicles and coagulating gland as a whole.

\*p < 0.05; \*\*p < 0.01

**Table S5. Organ Weights Relative to Brain Weight in the 28-Day Study**

Group (mg/kg bw/day)		Organ weight and body weight relative to brain weight (%)									
		Body weight	Liver	Kidneys	Heart	Thymus	Spleen	Testes	Epididymides	Prostate†	Adrenals
<b>Male</b>											
Control (n = 10)	Mean	15550.8	492.17	103.14	45.90	26.21	29.16	158.63	52.28	79.03	3.55
	SD	1089.95	54.54	10.94	3.75	3.06	6.46	12.30	4.96	8.68	0.51
400 (n = 10)	Mean	16210.4	494.06	102.08	47.04	27.03	31.04	158.50	53.09	84.30	3.76
	SD	615.09	48.91	7.17	3.06	5.00	3.20	14.50	6.73	16.39	0.56
800 (n = 10)	Mean	16089.4	480.45	107.18	46.08	23.33	31.39	166.74	50.04	75.00	3.62
	SD	866.33	42.19	7.61	3.73	2.81	3.89	8.87	6.05	14.39	0.56
1200 (n = 10)	Mean	16203.5	496.50	107.70	46.25	23.81	31.27	167.22	54.04	80.23	3.89
	SD	1427.38	68.75	8.32	4.72	3.32	3.18	9.38	4.97	13.82	0.35
Test for Significance		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Historical Control Range		12184–15340	344–492	83–133	34.3–48.2	24.5–47.7	23.8–39.1	140.2–171.8	33.8–51.9	41.0–69.5	2.4–4.4
<b>Female</b>											
0 (Control) (n = 10)		10669.3	317.17	79.51	36.53	22.16	24.92	5.26	—	32.26	4.57
	SD	855.60	30.31	8.17	3.22	3.80	2.62	0.80	—	8.98	0.51
400 (n = 10)	Mean	10613.5	297.62	76.66	34.55	20.98	25.31	4.96	—	29.61	4.28
	SD	559.36	30.08	4.54	3.14	2.82	2.72	0.78	—	6.48	0.72
800 (n = 10)	Mean	10582.8	307.17	75.03	34.79	23.08	22.77	4.74	—	29.39	4.23
	SD	762.97	34.81	5.05	2.33	5.37	2.62	1.02	—	8.03	0.48
1200 (n = 10)	Mean	10916.0	321.96	75.57	33.73	22.04	26.45	5.08	—	27.85	4.36
	SD	1089.27	42.85	5.53	2.97	4.41	5.49	0.94	—	8.44	0.55
Test for Significance		NS	NS	NS	NS	NS	NS	NS	—	NS	NS
Historical Control Range		8421–10971	249–378	65.9–92.0	27.3–37.7	15.1–33.0	17.3–30.5	4.24–6.46	—	18.3–29.5	2.88–5.38

Abbreviations: NS, Not Significant; SD, standard deviation.

†Prostate with seminal vesicles and coagulating gland as a whole.

Remarks: Paired organs were weighed together.