

Statistical Analysis of Histopathology Study Arm Body Weights

Table 1. Female Body Weights (g)																								
Treatment																								
Vehicle				BPA 2.5 (µg/kg)			BPA 8 (µg/kg)			BPA 25 (µg/kg)			BPA 80 (µg/kg)			BPA 260 (µg/kg)			BPA 840 (µg/kg)			BPA 2700 (µg/kg)		
Week	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.
1	20	11.2	0.3	23	11.5	0.3	18	11.0	0.4	21	11.3	0.3	20	10.9	0.3	21	11.1	0.4	20	11.6	0.2	20	11.5	0.4
2	20	25.8	0.8	23	25.7	0.6	18	25.1	1.0	21	25.7	0.6	20	24.4	0.7	21	25.4	0.8	20	26.4	0.5	20	25.5	0.6
3	20	43.2	1.1	23	43.0	0.9	18	42.5	1.3	21	43.3	1.0	20	41.5	0.9	21	43.1	1.2	20	44.5	0.9	20	42.6	0.8
4	20	69.4	1.7	23	71.4	1.5	18	67.6	2.1	21	71.0	1.5	20	68.2	1.5	21	69.9	1.8	20	72.7	1.2	20	70.2	1.2
5	20	105.7	2.3	23	108.7	2.2	18	103.5	2.7	21	107.1	2.0	20	103.7	1.8	21	107.3	2.5	20	109.3	1.9	20	106.7	1.9
6	20	141.8	3.3	23	144.4	2.7	18	139.8	3.4	21	141.9	2.7	20	139.3	2.4	21	145.3	3.2	20	145.4	2.7	20	143.4	2.5
7	20	172.4	4.1	23	174.1	3.3	18	166.8	3.7	21	172.3	3.4	20	168.3	3.1	21	174.1	4.3	20	175.6	3.7	20	171.3	2.9
8	20	201.6	4.9	23	201.3	3.6	18	196.0	4.2	21	198.5	4.1	20	196.0	3.3	21	202.9	5.3	20	203.2	4.4	20	197.5	3.5
9	20	225.4	5.7	23	226.4	3.9	18	221.3	4.9	21	222.1	4.7	20	220.8	3.8	21	228.4	6.4	20	228.1	5.0	20	220.8	4.2
10	20	245.7	6.5	23	245.6	4.3	18	242.6	5.6	21	240.2	4.9	20	241.6	4.6	21	248.3	7.5	20	248.9	5.7	20	238.4	4.7
11	20	264.0	7.2	23	261.8	4.5	18	259.3	6.2	21	255.3	5.1	20	258.2	5.3	21	266.1	8.3	20	268.3	6.3	20	254.9	5.2
12	20	278.5	8.0	23	274.0	4.8	18	272.6	6.5	21	267.7	5.5	20	269.3	5.7	21	281.5	8.8	20	281.9	6.3	20	267.8	5.5
13	16	288.0	9.1	19	279.3	5.0	16	277.5	7.6	19	277.2	6.5	16	274.8	5.7	19	289.0	10.4	16	289.1	8.1	16	280.3	6.5
Recv Wt	20	287.5	8.3	23	284.0	5.2	18	279.2	7.2	21	276.4	5.9	20	276.8	6.2	21	291.1	10.1	20	291.7	7.0	20	278.9	6.4

Table 1. Female Body Weights (g)															
		Treatment													
BPA 100,000 (µg/kg)				BPA 300,000 (µg/kg)			EE ₂ 0.5 (µg/kg)			EE ₂ 5.0 (µg/kg)			Naïve Control		
Week	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.
1	21	10.7	0.4	19	10.0	0.2	20	10.8	0.3	20	10.6	0.4	20	11.0	0.2
2	21	24.1	0.8	19	22.2	0.8	20	25.2	0.6	20	25.6	0.9	20	25.1	0.4
3	21	41.8	1.2	19	38.2	1.4	20	43.3	0.8	20	43.3	1.3	20	42.5	0.7
4	21	68.0	1.8	19	62.4	1.9	20	71.4	1.4	20	70.1	2.0	20	70.3	0.8
5	21	103.7	2.7	19	96.5	2.5	20	112.9	2.1	20	109.5	2.7	20	106.6	1.2
6	21	138.8	3.3	19	131.3	3.0	20	154.7	2.8	20	151.8	3.7	20	142.5	1.8
7	21	167.9	4.0	19	161.6	3.4	20	188.7	3.6	20	189.2	4.3	20	171.0	2.4
8	21	192.9	4.3	19	187.5	4.1	20	219.6	4.5	20	224.1	5.1	20	196.2	3.0
9	21	214.9	4.7	19	209.0	4.5	20	243.2	5.4	20	253.3	6.2	20	218.8	3.5
10	21	232.9	5.6	19	227.5	5.3	20	263.4	6.3	20	278.4	7.0	20	236.2	3.9
11	20	248.7	5.9	19	239.7	5.9	20	276.9	6.9	20	298.5	7.9	20	252.5	4.2
12	20	258.1	6.4	19	247.1	6.1	20	286.0	7.7	20	311.0	8.6	20	265.2	4.7
13	18	265.1	7.1	12	251.8	10.3	9	296.3	15.1	11	306.8	11.1	18	273.9	6.0
Recv Wt	21	260.8	7.2	19	251.3	7.3	20	292.1	7.8	20	318.7	9.1	20	274.2	5.7

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Table 2. Male Body Weights (g)																								
Treatment																								
Vehicle				BPA 2.5 (µg/kg)			BPA 8 (µg/kg)			BPA 25 (µg/kg)			BPA 80 (µg/kg)			BPA 260 (µg/kg)			BPA 840 (µg/kg)			BPA 2700 (µg/kg)		
Week	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.
1	20	11.9	0.3	23	11.9	0.4	18	12.3	0.3	21	12.3	0.3	20	11.7	0.4	20	11.6	0.4	21	12.2	0.3	20	12.1	0.4
2	20	26.4	0.7	23	26.4	0.7	18	28.0	0.6	21	27.2	0.7	20	25.8	0.8	20	25.8	0.9	21	27.9	0.6	20	26.6	0.8
3	20	44.6	1.1	23	44.4	1.0	18	47.2	0.8	21	45.9	1.1	20	43.4	1.2	20	43.6	1.2	21	47.2	0.9	20	44.6	1.1
4	20	74.9	1.5	23	77.0	1.5	18	78.2	1.3	21	77.9	1.4	20	74.0	2.2	20	75.0	2.0	21	80.1	1.5	20	76.1	1.9
5	20	120.8	2.3	23	124.5	2.6	18	124.1	2.3	21	122.5	2.1	20	120.4	3.5	20	121.4	2.8	21	129.0	2.3	20	122.9	2.9
6	20	174.9	3.5	23	181.0	3.9	18	181.2	3.9	21	177.1	3.2	20	175.6	4.7	20	176.9	3.9	21	186.1	3.2	20	177.9	3.9
7	20	233.1	4.7	23	241.1	4.9	18	241.1	5.3	21	236.3	4.0	20	235.7	6.0	20	236.2	4.7	21	245.9	4.4	20	235.9	5.3
8	20	293.0	6.0	23	303.0	5.8	18	302.1	6.4	21	296.5	5.0	20	297.5	7.3	20	296.7	5.3	20	305.7	6.1	20	296.1	6.3
9	20	345.9	6.8	23	357.1	6.5	18	355.0	7.3	21	351.1	6.1	20	351.3	8.2	20	348.3	6.2	20	358.6	6.3	20	349.5	7.3
10	20	389.3	7.7	23	402.0	7.6	18	398.3	8.2	21	396.8	7.0	20	395.7	9.0	20	393.4	6.7	20	400.3	6.9	20	393.5	8.2
11	20	424.9	8.3	23	439.5	7.9	18	434.2	9.4	21	435.7	7.7	20	432.5	10.1	20	433.2	7.2	20	436.4	7.4	20	430.7	9.1
12	20	450.6	8.5	23	468.4	8.3	18	464.6	10.2	21	463.5	8.4	20	460.2	11.0	20	462.3	8.1	20	464.1	7.7	20	457.8	9.9
13	18	470.7	9.6	19	499.9	9.2	17	488.2	11.9	18	481.7	9.7	20	481.2	11.7	16	483.4	10.3	15	480.8	9.8	18	482.6	11.4
Recv Wt	20	477.3	9.4	23	495.9	9.6	18	490.0	12.1	21	488.2	9.3	20	486.3	11.8	20	488.1	8.8	21	471.3	15.2	20	484.4	10.7

Table 2. Male Body Weights (g)															
Treatment															
BPA 100,000 (µg/kg)				BPA 300,000 (µg/kg)			EE ₂ 0.5 (µg/kg)			EE ₂ 5.0 (µg/kg)			Naïve Control		
Week	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.	N	Mean	S.E.
1	23	11.5	0.3	18	10.9	0.2	20	11.4	0.3	20	11.6	0.3	20	11.6	0.3
2	23	25.7	0.7	18	24.0	0.7	20	26.4	0.6	20	26.5	0.8	20	26.3	0.6
3	23	44.0	1.1	18	41.0	1.3	20	45.4	0.8	20	44.5	1.3	20	44.1	1.0
4	23	75.6	1.6	18	70.2	1.9	20	78.4	1.4	20	75.6	1.9	20	75.6	1.8
5	23	121.7	2.5	18	110.8	2.8	20	125.4	2.4	20	122.1	2.8	20	122.6	2.5
6	23	174.1	3.8	18	157.5	3.7	20	181.4	3.7	20	175.1	4.0	20	178.6	3.5
7	23	228.0	5.3	18	209.7	4.9	20	239.3	4.7	20	230.4	4.8	20	236.3	4.5
8	23	281.8	7.5	18	264.2	6.1	20	298.5	5.1	20	288.2	5.7	20	294.8	5.3
9	22	335.9	7.9	18	315.3	7.0	20	349.1	5.4	20	341.3	6.2	20	345.1	6.1
10	22	378.7	7.9	18	356.5	7.6	20	390.8	5.9	20	388.1	6.5	20	387.6	7.1
11	22	413.6	8.4	18	390.3	8.2	20	425.7	6.2	20	426.6	6.9	20	424.2	8.1
12	20	442.7	8.1	18	412.6	9.0	20	451.8	6.5	20	454.2	7.5	20	452.5	8.8
13	17	463.9	9.0	11	438.3	13.9	17	471.3	7.8	16	486.5	8.1	18	479.8	9.9
Recv Wt	23	448.9	14.2	18	431.5	9.3	20	474.0	7.0	20	480.0	8.5	20	481.6	9.8

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Table 3. ANOVA Results for Body Weight					
Sex	Effect	NumDF	DenDF	FValue	ProbF
F	Group	12	250	5.962	0.000
	Week	12	2940	3050.756	0.000
	<u>Group*Week</u>	<u>144</u>	<u>2940</u>	<u>1.277</u>	<u>0.016</u>
M	Group	12	251	3.261	0.000
	Week	12	2957	3769.583	0.000
	<u>Group*Week</u>	<u>144</u>	<u>2957</u>	<u>0.702</u>	<u>0.997</u>

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Week	Vehicle			BPA 2.5 (µg/kg)			BPA 8 (µg/kg)			BPA 25 (µg/kg)			BPA 80 (µg/kg)			BPA 260 (µg/kg)			BPA 840 (µg/kg)			BPA 2700 (µg/kg)		
	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val
1-13	159.4	3.1	0.789	159.3	2.9	1.000	155.9	3.3	0.955	156.4	3.0	0.973	155.3	3.1	0.892	161.0	3.0	1.000	162.1	3.1	0.988	156.1	3.1	0.956
1	11.3	0.3	0.382	11.7	0.3	0.902	11.1	0.3	0.992	11.5	0.3	1.000	11.0	0.3	0.981	11.3	0.3	1.000	11.7	0.3	0.961	11.6	0.3	0.992
2	25.9	0.7	0.699	25.7	0.6	1.000	25.2	0.7	0.982	25.8	0.7	1.000	24.5	0.7	0.607	25.4	0.7	0.998	26.5	0.7	0.988	25.6	0.7	1.000
3	43.5	1.1	0.830	43.4	1.0	1.000	42.7	1.1	0.995	43.7	1.0	1.000	41.9	1.1	0.799	43.4	1.0	1.000	44.9	1.1	0.885	43.1	1.1	1.000
4	69.9	1.6	0.575	71.8	1.5	0.915	68.1	1.7	0.964	71.4	1.6	0.978	68.6	1.6	0.993	70.4	1.6	1.000	73.1	1.6	0.565	70.6	1.6	1.000
5	105.7	2.2	0.581	108.7	2.1	0.864	103.6	2.4	0.983	107.0	2.2	0.998	103.7	2.2	0.986	107.2	2.2	0.996	109.3	2.2	0.768	106.8	2.2	1.000
6	141.6	2.9	0.520	144.1	2.7	0.984	139.2	3.1	0.991	141.8	2.8	1.000	139.0	2.9	0.984	144.7	2.8	0.959	145.2	2.9	0.923	143.0	2.9	1.000
7	172.4	3.6	0.860	174.0	3.4	1.000	167.0	3.8	0.849	172.1	3.5	1.000	168.2	3.6	0.943	174.3	3.5	0.999	175.5	3.6	0.987	171.2	3.6	1.000
8	201.3	4.3	0.835	201.3	4.0	1.000	195.9	4.5	0.921	198.5	4.2	0.997	195.9	4.3	0.907	202.8	4.2	1.000	203.1	4.3	1.000	197.4	4.3	0.982
9	225.3	4.9	0.692	225.9	4.6	1.000	221.1	5.2	0.990	221.8	4.8	0.995	220.7	4.9	0.979	228.3	4.8	0.999	227.9	4.9	0.999	220.7	4.9	0.978
10	245.6	5.6	0.502	245.5	5.3	1.000	242.2	5.9	0.999	240.1	5.5	0.973	241.4	5.6	0.994	248.2	5.5	1.000	248.9	5.6	0.999	238.4	5.6	0.908
11	264.0	6.2	0.522	261.7	5.8	1.000	259.2	6.5	0.994	255.2	6.0	0.850	258.0	6.2	0.977	266.1	6.0	1.000	268.0	6.2	0.997	254.6	6.2	0.817
12	278.2	6.6	0.582	274.1	6.2	0.998	272.5	7.0	0.989	267.7	6.5	0.775	269.3	6.6	0.885	281.2	6.5	1.000	281.8	6.6	0.999	267.9	6.6	0.793
13	287.8	7.3	0.788	282.7	6.8	0.995	279.3	7.6	0.946	276.6	7.1	0.796	276.9	7.3	0.827	289.3	7.1	1.000	291.2	7.3	1.000	277.9	7.3	0.880

Week	BPA 100,000 (µg/kg)			BPA 300,000 (µg/kg)			EE ₂ 0.5 (µg/kg)			EE ₂ 5.0 (µg/kg)			Naïve Control		
	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val
1-13	150.9	3.0	0.092	145.0	3.2	0.003	168.4	3.1	0.079	175.8	3.1	0.000	154.7	3.1	0.284
1	10.8	0.3	0.391	10.2	0.3	0.024	10.9	0.3	0.530	10.9	0.3	0.453	11.1	0.3	0.648
2	24.2	0.7	0.169	22.3	0.7	0.001	25.3	0.7	0.815	25.7	0.7	0.977	25.2	0.7	0.475
3	42.1	1.0	0.525	38.5	1.1	0.002	43.6	1.1	0.995	43.6	1.1	0.997	42.9	1.1	0.674
4	68.5	1.6	0.761	62.8	1.6	0.004	72.1	1.6	0.531	70.6	1.6	0.925	70.7	1.6	0.725
5	103.6	2.2	0.739	96.5	2.3	0.008	112.9	2.2	0.040	109.6	2.2	0.354	106.6	2.2	0.762
6	138.6	2.8	0.673	131.1	3.0	0.023	154.3	2.9	0.004	151.6	2.9	0.030	142.2	2.9	0.892
7	167.7	3.5	0.548	161.5	3.7	0.065	188.6	3.6	0.003	189.2	3.6	0.002	170.9	3.6	0.773
8	192.8	4.2	0.262	187.2	4.4	0.039	219.2	4.3	0.006	223.7	4.3	0.000	196.1	4.3	0.388
9	214.7	4.8	0.215	208.9	5.1	0.038	243.1	4.9	0.021	253.2	4.9	0.000	218.5	4.9	0.326
10	232.7	5.5	0.181	227.1	5.8	0.042	263.0	5.6	0.055	278.3	5.6	0.000	236.2	5.6	0.240
11	246.8	6.1	0.086	239.5	6.3	0.011	276.7	6.2	0.249	298.1	6.2	0.000	252.5	6.2	0.187
12	256.6	6.5	0.037	247.0	6.8	0.002	286.0	6.6	0.616	311.1	6.6	0.001	265.1	6.6	0.160
13	262.5	7.1	0.025	252.2	7.7	0.002	293.0	8.0	0.850	320.2	7.7	0.005	273.4	7.2	0.160

All p-values and % are relative to the control group, except p-values for the linear trend are presented under the control group.

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Table 5. Female Body Weight Least Square Mean Treatment Percent of Vehicle												
Week	Treatments											
	BPA 2.5 (µg/kg)	BPA 8 (µg/kg)	BPA 25 (µg/kg)	BPA 80 (µg/kg)	BPA 260 (µg/kg)	BPA 840 (µg/kg)	BPA 2700 (µg/kg)	BPA 100,000 (µg/kg)	BPA 300,000 (µg/kg)	EE ₂ 0.5 (µg/kg)	EE ₂ 5.0 (µg/kg)	Naïve Control
1-13	99.9	97.8	98.1	97.4	101.0	101.7	97.9	94.6	90.9	105.6	110.3	97.0
1	103.6	97.7	101.1	97.4	99.4	103.0	102.3	95.3	89.8	96.1	95.7	98.2
2	99.5	97.5	99.7	94.8	98.3	102.3	98.9	93.7	86.4	98.0	99.3	97.3
3	99.7	98.2	100.4	96.2	99.8	103.3	99.0	96.7	88.5	100.3	100.2	98.5
4	102.8	97.5	102.2	98.2	100.8	104.6	101.0	98.0	89.8	103.1	101.1	101.1
5	102.9	98.0	101.3	98.2	101.5	103.4	101.1	98.1	91.3	106.9	103.7	100.9
6	101.8	98.3	100.1	98.1	102.2	102.5	101.0	97.9	92.6	109.0	107.0	100.4
7	100.9	96.9	99.8	97.6	101.1	101.8	99.3	97.3	93.7	109.4	109.7	99.1
8	100.0	97.3	98.6	97.3	100.7	100.9	98.1	95.8	93.0	108.9	111.1	97.4
9	100.3	98.1	98.4	97.9	101.3	101.1	97.9	95.3	92.7	107.9	112.3	97.0
10	100.0	98.6	97.8	98.3	101.1	101.3	97.1	94.8	92.5	107.1	113.3	96.2
11	99.1	98.2	96.7	97.8	100.8	101.5	96.5	93.5	90.7	104.8	112.9	95.6
12	98.5	97.9	96.2	96.8	101.1	101.3	96.3	92.2	88.8	102.8	111.8	95.3
13	98.2	97.0	96.1	96.2	100.5	101.2	96.5	91.2	87.6	101.8	111.2	95.0

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Table 6. Female Body Weight Unadjusted P-values												
Week	Treatments											
	BPA 2.5 (µg/kg)	BPA 8 (µg/kg)	BPA 25 (µg/kg)	BPA 80 (µg/kg)	BPA 260 (µg/kg)	BPA 840 (µg/kg)	BPA 2700 (µg/kg)	BPA 100,000 (µg/kg)	BPA 300,000 (µg/kg)	EE ₂ 0.5 (µg/kg)	EE ₂ 5.0 (µg/kg)	Naïve Control
1-13	0.974	0.441	0.486	0.351	0.723	0.547	0.443	0.051	0.001	0.043	0.000	0.284
1	0.360	0.571	0.777	0.513	0.875	0.451	0.573	0.238	0.012	0.338	0.282	0.648
2	0.899	0.517	0.929	0.173	0.659	0.544	0.782	0.096	0.000	0.594	0.858	0.475
3	0.934	0.607	0.901	0.273	0.942	0.342	0.766	0.334	0.001	0.933	0.945	0.674
4	0.375	0.459	0.501	0.578	0.808	0.157	0.761	0.536	0.002	0.339	0.744	0.725
5	0.322	0.520	0.656	0.537	0.611	0.253	0.724	0.515	0.004	0.022	0.213	0.762
6	0.526	0.569	0.970	0.523	0.447	0.386	0.729	0.454	0.012	0.002	0.016	0.892
7	0.740	0.309	0.956	0.416	0.699	0.541	0.813	0.352	0.035	0.001	0.001	0.773
8	0.996	0.384	0.636	0.366	0.809	0.762	0.517	0.153	0.021	0.003	0.000	0.388
9	0.929	0.556	0.606	0.503	0.671	0.717	0.502	0.124	0.020	0.011	0.000	0.326
10	0.989	0.681	0.484	0.597	0.743	0.679	0.367	0.103	0.022	0.029	0.000	0.240
11	0.788	0.594	0.311	0.498	0.806	0.642	0.285	0.047	0.006	0.145	0.000	0.187
12	0.644	0.553	0.258	0.342	0.751	0.707	0.269	0.020	0.001	0.406	0.000	0.160
13	0.607	0.422	0.271	0.293	0.883	0.749	0.338	0.013	0.001	0.635	0.002	0.160

Statistical Analysis of Histopathology Study Arm Body Weights

Week	Vehicle			BPA 2.5 (µg/kg)			BPA 8 (µg/kg)			BPA 25 (µg/kg)			BPA 80 (µg/kg)			BPA 260 (µg/kg)			BPA 840 (µg/kg)			BPA 2700 (µg/kg)		
	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val
1-13	235.7	4.1	0.848	243.8	3.8	0.540	242.5	4.3	0.754	240.7	4.0	0.917	238.9	4.1	0.992	239.3	4.1	0.984	243.8	4.0	0.564	238.8	4.1	0.993
1	12.0	0.3	0.710	12.1	0.3	1.000	12.5	0.3	0.895	12.4	0.3	0.950	11.8	0.3	0.997	11.7	0.3	0.981	12.3	0.3	0.978	12.2	0.3	0.998
2	26.5	0.7	0.971	26.4	0.7	1.000	28.2	0.7	0.410	27.3	0.7	0.939	25.9	0.7	0.989	25.8	0.7	0.977	28.0	0.7	0.507	26.6	0.7	1.000
3	45.1	1.1	0.997	45.0	1.0	1.000	47.6	1.1	0.431	46.5	1.1	0.897	43.9	1.1	0.960	44.1	1.1	0.988	47.8	1.1	0.315	45.2	1.1	1.000
4	75.7	1.7	0.823	77.6	1.6	0.937	78.8	1.8	0.680	78.4	1.7	0.779	74.7	1.7	0.999	75.7	1.7	1.000	80.8	1.7	0.152	76.8	1.7	0.998
5	121.1	2.6	0.689	124.8	2.5	0.835	124.6	2.8	0.894	123.0	2.6	0.995	120.8	2.6	1.000	121.8	2.6	1.000	129.2	2.6	0.136	123.0	2.6	0.995
6	175.1	3.8	0.787	181.1	3.5	0.752	181.3	4.0	0.784	177.3	3.7	0.999	175.7	3.8	1.000	177.1	3.8	0.999	186.3	3.7	0.169	177.9	3.8	0.994
7	233.2	4.9	0.974	241.2	4.6	0.739	241.2	5.2	0.790	236.3	4.8	0.998	235.8	4.9	0.999	236.4	4.9	0.998	245.6	4.8	0.314	236.0	4.9	0.999
8	292.7	6.1	0.857	302.6	5.7	0.727	301.7	6.4	0.841	296.4	5.9	0.998	297.1	6.1	0.995	296.1	6.1	0.999	304.0	6.0	0.623	295.8	6.1	0.999
9	345.4	6.8	0.857	356.7	6.3	0.711	354.6	7.2	0.895	350.7	6.6	0.992	350.9	6.8	0.991	348.0	6.8	1.000	356.5	6.7	0.751	349.2	6.8	0.999
10	389.1	7.5	0.800	401.6	7.0	0.706	397.9	7.9	0.944	396.5	7.3	0.970	395.3	7.5	0.990	393.3	7.5	0.999	398.5	7.4	0.909	393.3	7.5	0.999
11	424.3	8.1	0.773	439.1	7.6	0.635	434.1	8.6	0.939	435.1	7.9	0.888	432.1	8.1	0.978	432.5	8.1	0.971	434.4	8.1	0.916	430.0	8.1	0.996
12	450.9	8.6	0.718	468.6	8.1	0.506	464.6	9.1	0.801	463.7	8.4	0.819	460.2	8.6	0.957	462.6	8.6	0.879	462.7	8.6	0.873	458.0	8.6	0.990
13	472.5	9.5	0.756	492.0	9.0	0.515	486.1	10.0	0.867	485.1	9.3	0.888	481.6	9.4	0.978	486.0	9.6	0.862	483.0	9.7	0.956	480.5	9.5	0.989

Week	BPA 100,000 (µg/kg)			BPA 300,000 (µg/kg)			EE ₂ 0.5 (µg/kg)			EE ₂ 5.0 (µg/kg)			Naïve Control		
	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val	Mean	S.E.	P-val
1-13	229.4	3.8	0.430	215.2	4.3	0.001	238.2	4.1	0.873	235.7	4.1	1.000	236.7	4.1	0.857
1	11.6	0.3	0.588	11.1	0.3	0.096	11.6	0.3	0.538	11.8	0.3	0.839	11.8	0.3	0.617
2	25.8	0.7	0.700	24.1	0.7	0.034	26.5	0.7	1.000	26.6	0.7	0.994	26.3	0.7	0.867
3	44.5	1.0	0.907	41.5	1.1	0.045	45.9	1.1	0.791	45.1	1.1	1.000	44.7	1.1	0.798
4	76.2	1.6	0.965	70.7	1.8	0.080	78.9	1.7	0.300	76.3	1.7	0.953	76.3	1.7	0.800
5	121.8	2.5	0.967	111.0	2.8	0.016	125.8	2.6	0.334	122.3	2.6	0.922	123.0	2.6	0.612
6	174.1	3.5	0.976	157.8	4.0	0.003	181.4	3.8	0.389	175.2	3.8	1.000	178.6	3.8	0.510
7	228.3	4.6	0.684	209.7	5.2	0.002	239.5	4.9	0.573	230.5	4.9	0.893	236.5	4.9	0.641
8	281.5	5.7	0.302	264.1	6.4	0.002	298.1	6.1	0.753	288.0	6.1	0.808	294.4	6.1	0.841
9	333.5	6.4	0.335	314.9	7.2	0.004	348.8	6.8	0.915	341.0	6.8	0.862	344.7	6.8	0.944
10	376.7	7.0	0.374	356.2	7.9	0.005	390.5	7.5	0.988	387.6	7.5	0.986	387.4	7.5	0.872
11	411.1	7.7	0.391	389.4	8.6	0.006	425.3	8.1	0.995	426.0	8.1	0.984	423.8	8.1	0.965
12	437.5	8.2	0.429	413.0	9.1	0.005	451.9	8.6	0.995	454.7	8.6	0.930	452.7	8.6	0.879
13	459.6	9.2	0.517	433.6	10.5	0.012	471.9	9.6	0.998	478.6	9.6	0.863	476.8	9.5	0.749

All p-values and % are relative to the control group, except p-values for the linear trend are presented under the control group.

Statistical Analysis of Histopathology Study Arm Body Weights

Table 8. Male Body Weight Least Square Mean Treatment Percent of Vehicle												
Week	Treatments											
	BPA 2.5 (µg/kg)	BPA 8 (µg/kg)	BPA 25 (µg/kg)	BPA 80 (µg/kg)	BPA 260 (µg/kg)	BPA 840 (µg/kg)	BPA 2700 (µg/kg)	BPA 100,000 (µg/kg)	BPA 300,000 (µg/kg)	EE ₂ 0.5 (µg/kg)	EE ₂ 5.0 (µg/kg)	Naïve Control
1-13	103.4	102.9	102.1	101.4	101.6	103.5	101.3	97.3	91.3	101.1	100.0	100.4
1	100.9	103.7	103.1	98.2	97.4	102.6	101.8	96.7	92.2	96.3	98.1	98.1
2	99.8	106.3	103.1	97.8	97.4	105.6	100.5	97.4	90.8	99.9	100.3	99.4
3	99.9	105.6	103.1	97.4	97.9	106.1	100.2	98.8	92.1	102.0	100.0	99.1
4	102.6	104.2	103.6	98.7	100.0	106.8	101.5	100.7	93.4	104.3	100.8	100.8
5	103.1	102.9	101.6	99.8	100.6	106.7	101.6	100.6	91.7	103.9	101.0	101.6
6	103.5	103.5	101.3	100.4	101.1	106.4	101.6	99.5	90.1	103.6	100.1	102.0
7	103.4	103.4	101.3	101.1	101.4	105.3	101.2	97.9	89.9	102.7	98.8	101.4
8	103.4	103.1	101.3	101.5	101.2	103.9	101.1	96.2	90.3	101.8	98.4	100.6
9	103.3	102.7	101.5	101.6	100.8	103.2	101.1	96.6	91.2	101.0	98.7	99.8
10	103.2	102.3	101.9	101.6	101.1	102.4	101.1	96.8	91.6	100.4	99.6	99.6
11	103.5	102.3	102.5	101.8	101.9	102.4	101.3	96.9	91.8	100.2	100.4	99.9
12	103.9	103.0	102.9	102.1	102.6	102.6	101.6	97.0	91.6	100.2	100.9	100.4
13	104.1	102.9	102.7	101.9	102.8	102.2	101.7	97.3	91.8	99.9	101.3	100.9

Statistical Analysis of Histopathology Study Arm Body Weights

Table 9. Male Body Weight Unadjusted P-values												
Week	Treatments											
	BPA 2.5 (µg/kg)	BPA 8 (µg/kg)	BPA 25 (µg/kg)	BPA 80 (µg/kg)	BPA 260 (µg/kg)	BPA 840 (µg/kg)	BPA 2700 (µg/kg)	BPA 100,000 (µg/kg)	BPA 300,000 (µg/kg)	EE ₂ 0.5 (µg/kg)	EE ₂ 5.0 (µg/kg)	Naïve Control
1-13	0.148	0.246	0.380	0.573	0.526	0.157	0.585	0.266	0.001	0.665	0.996	0.857
1	0.813	0.353	0.428	0.639	0.511	0.499	0.649	0.384	0.053	0.344	0.622	0.617
2	0.951	0.102	0.410	0.551	0.497	0.135	0.891	0.478	0.018	0.981	0.928	0.867
3	0.969	0.109	0.355	0.450	0.547	0.073	0.950	0.714	0.024	0.568	0.993	0.798
4	0.406	0.206	0.260	0.674	0.995	0.031	0.650	0.826	0.044	0.178	0.797	0.800
5	0.298	0.351	0.599	0.943	0.847	0.027	0.605	0.831	0.009	0.200	0.738	0.612
6	0.244	0.263	0.674	0.900	0.708	0.035	0.595	0.855	0.002	0.237	0.980	0.510
7	0.237	0.267	0.656	0.712	0.649	0.073	0.688	0.463	0.001	0.372	0.693	0.641
8	0.230	0.303	0.656	0.603	0.688	0.180	0.716	0.179	0.001	0.529	0.587	0.841
9	0.222	0.353	0.575	0.565	0.783	0.244	0.694	0.201	0.002	0.726	0.650	0.944
10	0.219	0.419	0.475	0.555	0.692	0.369	0.690	0.227	0.003	0.896	0.891	0.872
11	0.185	0.409	0.345	0.502	0.477	0.377	0.622	0.238	0.003	0.933	0.882	0.965
12	0.134	0.274	0.287	0.443	0.336	0.331	0.558	0.265	0.003	0.932	0.752	0.879
13	0.138	0.325	0.345	0.500	0.321	0.440	0.554	0.328	0.006	0.961	0.652	0.749