

I-Addendum 8-4 Estrus cycle - individual findings following the time course at 6 months

continued  
BPA 0.005mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle
540	D	D	E	M	D	D	E	M	D	D	E	M	D	D	N
541	E	M	D	D	E	M	D	D	E	M	D	D	E	M	N
545	E	M	D	D	E	M	D	D	E	M	D	D	E	M	N
546	D	D	D	D	D	D	D	D	D	D	D	D	D	D	N
547	M	D	D	E	E	M	D	D	D	E	E	E	D	D	CD
551	D	E	M	D	D	D	D	D	D	D	D	D	D	D	PE
552	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD
553	M	D	D	D	D	D	D	D	D	D	D	D	D	D	CD
554	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD
556	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD
557	D	D	D	D	D	D	D	D	D	E	M	D	D	D	CD
561	D	D	D	D	D	D	D	E	M	D	D	D	D	D	PD
562	dead (25wk)														PD
563	D	E	M	D	D	E	M	D	D	E	M	D	D	E	N
564	D	D	D	D	E	M	D	D	D	E	M	D	D	D	N
565	M	D	D	D	E	M	D	D	D	E	M	D	D	D	N
569	E	M	D	D	E	M	D	D	D	E	M	D	D	D	PD
570	E	M	D	D	E	M	D	D	E	M	D	D	D	D	N
574	M	D	D	E	M	D	D	E	M	D	D	E	M	D	N
575	D	D	E	M	D	D	D	E	M	D	D	E	M	D	N

Normal cycle  
Irregular cycle

9/19	PD
0/19	CD
3/19	PE
6/19	CE
1/19	
0/19	

I-Addendum 8-4 Estrus cycle - individual findings following the time course at 6 months

continued  
BPA 0.05mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle
579	D	D	E	M	D	D	E	M	D	D	E	M	D	D	N
580	M	D	D	E	M	D	D	E	M	D	D	E	E	D	N
581	E	M	D	D	E	M	D	E	M	M	D	D	D	D	Ireg.
584	D	D	E	M	D	D	E	M	D	D	E	M	D	D	N
585	D	D	D	D	D	D	D	D	D	E	M	D	D	D	PD
589	D	D	D	D	D	D	D	D	D	E	M	D	D	D	PD
590	E	M	D	D	E	M	D	D	D	E	M	E	M	D	PD
593	E	M	D	D	E	M	D	D	E	E	M	D	E	M	N
594	M	D	D	E	M	D	D	E	M	D	D	E	M	D	N
598	D	D	E	M	D	D	E	M	D	D	E	M	D	D	N
599	E	M	D	D	E	M	D	D	E	E	M	D	D	D	N
603	D	E	M	D	D	E	M	D	D	E	M	D	D	E	N
604	E	M	D	D	E	M	D	D	E	M	D	D	E	M	N
608	D	D	D	D	D	D	D	D	D	E	M	D	D	D	PD
609	D	D	D	D	D	D	D	D	D	E	M	D	D	D	PD
613	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD
614	D	D	D	E	M	D	D	E	M	D	D	E	M	D	N
618	E	M	D	D	E	M	D	D	E	E	M	D	D	D	N
619	P	E	M	D	P	E	M	D	D	E	M	D	D	E	N

Normal cycle  
Irregular cycle

PD  
CD  
PE  
CE

I-Addendum 8-4 Estrus cycle - individual findings following the time course at 6 months

continued  
BPA 40mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle
623	M	D	D	E	M	D	D	E	M	D	D	E	M	D	N
624	E	M	D	D	M	D	D	D	E	M	D	D	E	M	N
627	E	M	D	D	E	M	D	D	E	M	D	D	E	M	N
628	D	D	D	D	D	D	D	D	D	D	D	D	D	D	N
631	E	M	D	D	E	M	D	D	E	M	D	D	D	D	CD
632	D	D	D	E	M	D	D	D	D	D	E	E	D	D	N
636	D	D	D	D	D	D	D	D	D	D	D	D	D	D	N
637	D	D	D	D	D	D	D	E	M	D	D	D	D	D	CD
638	D	D	D	D	D	D	D	D	D	D	D	D	D	D	PD
639	E	M	D	D	E	M	D	D	E	M	D	D	D	D	CD
643	M	D	D	E	M	D	D	D	E	M	D	E	M	D	N
644	D	E	M	D	D	E	M	D	D	E	M	D	D	D	N
648	D	D	D	E	M	D	D	D	D	D	M	D	D	E	N
649	M	D	D	E	M	D	D	E	M	D	D	E	M	D	PD
653	D	D	D	E	M	D	D	E	M	D	D	E	M	D	N
654	D	D	D	D	D	D	D	D	D	D	E	M	D	D	N
658	E	M	D	D	E	M	D	D	E	M	D	D	D	D	CD
659	E	M	D	D	E	M	D	D	E	M	D	D	E	M	N
663	D	D	D	E	M	D	D	E	M	D	D	E	M	D	N
664	E	M	D	D	E	M	D	D	E	M	D	E	M	D	N
666	E	M	D	D	E	M	D	D	E	M	D	E	M	D	N
668	M	D	D	D	E	M	D	D	E	M	D	E	M	D	N
669	M	D	D	D	E	M	D	D	E	M	D	E	M	D	N
671	E	M	D	P	E	M	D	D	E	M	M	D	D	D	CD
															N
															17/24
															0/24
															2/24
															5/24
															0/24
															0/24

Normal cycle  
Irregular cycle

PD  
CD  
PE  
CE



I-Addendum 8-4 Estrus cycle - individual findings following the time course at 6 months

continued  
BPA 400mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle
673	D	E	M	D	D	E	M	D	D	E	M	D	D	E	N
674	D	D	D	E	M	D	D	D	D	E	M	D	D	D	Ireg.
678	E	M	D	D	E	M	D	D	D	D	D	D	D	D	PD
679	M	D	D	E	M	D	D	E	M	D	D	E	M	D	N
683	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD
684	M	D	E	M	D	D	E	M	D	D	E	M	D	D	N
688	D	D	E	M	D	D	E	M	D	D	E	M	D	D	N
689	D	D	D	D	D	P	E	M	D	D	E	M	D	D	PD
693	dead (22wk)														
694	D	D	D	E	M	D	D	E	M	D	D	D	E	M	N
698	D	E	M	D	P	E	M	D	D	E	M	D	D	E	N
699	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD
703	D	E	M	D	D	E	M	D	D	E	M	D	D	E	N
704	D	D	D	D	D	D	D	E	M	D	E	M	D	D	PD
708	D	D	E	M	D	D	D	D	D	D	E	M	D	D	PD
709	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD
713	D	D	D	D	E	M	D	D	E	M	D	D	E	M	N
714	E	M	D	D	E	M	D	D	E	M	D	D	E	M	N
											Normal cycle				9/17
											Irregular cycle				1/17
															4/17
															3/17
															0/17
															0/17

PD  
CD  
PE  
CE

I-Addendum 8-4 Estrus cycle - individual findings following the time course at 6 months

continued

EE 0.05mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle	
718	D	E	E	E	E	P	E	E	P	P	P	E	E	P	PE	+
719	E	M	D	D	E	M	D	D	E	M	D	D	D	D	Ireg.	+
723	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
724	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
728	D	E	M	D	D	E	M	D	D	E	M	D	D	E	N	-
729	E	M	D	D	E	E	M	D	D	D	E	M	D	D	N	-
733	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
734	D	D	D	D	D	D	E	M	D	D	D	D	D	D	PD	+
738	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
739	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
743	D	D	D	D	E	E	E	E	E	E	E	E	E	E	CE	+
744	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
748	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
749	E	M	D	D	E	E	E	E	E	M	D	D	E	M	PE	+
753	D	D	D	D	D	D	E	M	D	D	D	D	D	D	PD	+
754	D	D	D	D	D	D	D	E	M	D	D	D	D	D	PD	+
758	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
759	D	D	E	M	D	D	E	M	D	D	E	M	D	D	N	-
760	M	D	D	E	M	D	D	E	M	D	D	E	M	D	N	-
761	D	D	D	E	M	D	D	E	M	D	D	D	D	D	PD	+
765	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
766	D	D	D	D	D	D	E	M	D	D	D	D	D	D	PD	+

Normal cycle

Irregular cycle

PD  
CD  
PE  
CE

4/22
1/22
5/22
10/22
1/22
1/22

I-Addendum 8-5 Estrus cycle - individual findings following the time course at 7 months

Vehicle control															Irregular estrus cycle
Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
501	D	D	E	M	D	D	D	E	M	D	D	E	M	D	N
502	D	D	P	E	M	D	P	E	M	D	P	E	M	D	N
506	D	D	E	M	D	D	P	E	M	P	P	P	E	M	Ireg.
507	D	D	E	M	D	P	E	M	D	D	E	M	D	P	N
510	M	D	D	E	M	D	D	E	M	D	D	E	M	D	N
511	D	D	E	M	D	D	P	P	E	E	M	D	E	M	Ireg.
512	M	D	E	M	D	D	E	M	D	D	E	M	D	P	N
516	M	D	E	M	D	D	E	M	D	D	E	M	D	D	N
517	D	D	E	E	E	E	E	E	E	E	P	E	E	E	CE
521	D	E	M	D	P	E	M	D	D	E	M	D	P	E	N
522	D	D	D	E	M	D	P	E	M	D	P	E	M	D	N
526	D	D	D	P	E	M	D	E	M	D	P	E	M	M	N
527	D	D	E	M	D	P	E	M	D	P	E	M	D	D	N
531	P	E	M	D	D	E	M	D	D	E	M	D	P	E	N
532	D	D	E	M	D	D	E	M	D	D	E	M	D	D	N
536	dead (13wk)														
537	D	D	D	D	P	E	M	D	E	M	D	D	E	E	Ireg.
															12/16
															3/16
															0/16
															0/16
															0/16
															1/16

Normal cycle  
Irregular cycle

PD  
CD  
PE  
CE



I-Addendum 8-5 Estrus cycle - individual findings following the time course at 7 months  
continued  
BPA 0.005mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle
540	D	D	E	M	D	D	E	M	D	D	E	M	D	D	N
541	E	M	D	D	E	M	D	D	E	M	D	P	E	M	N
545	E	M	D	P	E	M	D	P	E	M	D	D	P	E	N
546	D	D	P	P	P	P	P	P	P	P	P	P	P	E	Ireg.
547	D	D	P	P	P	P	P	P	P	P	P	P	P	E	PE
551	D	D	P	P	P	P	P	P	P	P	P	P	P	E	PE
552	D	D	P	P	P	P	P	P	P	P	P	P	P	E	Ireg.
553	D	D	P	P	P	P	P	P	P	P	P	P	P	E	PE
554	D	D	P	P	P	P	P	P	P	P	P	P	P	E	PE
556	D	D	P	P	P	P	P	P	P	P	P	P	P	E	CE
557	D	D	P	P	P	P	P	P	P	P	P	P	P	E	PE
561	D	D	P	P	P	P	P	P	P	P	P	P	P	E	PE
562	dead (25wk)														
563	D	D	E	E	P	P	E	E	E	E	P	P	E	E	PE
564	D	D	M	D	D	P	E	M	D	D	D	E	M	D	Ireg.
565	D	E	M	D	D	P	M	M	D	D	P	M	M	D	Ireg.
569	D	D	P	E	M	D	D	P	E	M	D	D	P	E	N
570	E	M	D	D	E	M	D	P	E	M	D	P	E	M	N
574	M	D	D	E	M	D	D	E	M	D	P	E	M	D	N
575	D	D	E	E	M	D	D	D	D	D	D	D	D	D	PD

Normal cycle  
Irregular cycle

PD  
CD  
PE  
CE

6/19  
4/19  
1/19  
0/19  
7/19  
1/19

I-Addendum 8-5 Estrus cycle - individual findings following the time course at 7 months

continued  
BPA 0.05mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle
579	D	E	M	D	D	E	E	M	D	D	P	E	M	D	N
580	E	M	D	D	E	E	M	D	D	P	E	M	D	D	N
581	E	M	D	D	E	E	M	D	D	P	E	M	D	M	N
584	D	D	E	M	D	P	E	M	D	P	E	M	D	P	N
585	D	D	D	E	M	D	P	E	M	D	D	D	D	M	N
589	E	M	D	D	P	E	M	D	D	P	E	M	D	D	N
590	M	D	P	E	M	D	D	E	E	P	P	P	P	P	Ireg.
593	E	M	D	D	E	M	D	D	E	M	D	D	E	M	N
594	M	D	D	E	M	D	P	E	M	D	P	E	M	D	N
598	D	D	P	E	M	D	P	P	E	E	E	P	P	E	PE
599	D	D	M	D	P	E	M	D	D	D	P	P	P	D	N
603	E	M	D	D	P	E	M	D	P	E	P	P	P	P	Ireg.
604	E	M	D	D	P	E	M	D	D	E	M	D	D	P	Ireg.
608	D	D	P	E	M	D	P	P	P	P	P	P	E	M	Ireg.
609	D	E	E	M	D	D	D	P	E	M	D	D	D	P	Ireg.
613	D	D	P	P	E	E	E	E	E	E	P	P	P	E	PE
614	D	E	M	D	D	E	M	P	P	P	P	P	P	E	Ireg.
618	D	D	P	D	D	E	D	P	P	P	P	P	P	E	Ireg.
619	D	E	M	D	D	E	M	D	D	E	M	M	D	E	N

Normal cycle  
Irregular cycle

PD  
CD  
PE  
CE

10/19  
7/19  
0/19  
0/19  
2/19  
0/19



I-Addendum 8-5 Estrus cycle - individual findings following the time course at 7 months

continued  
BPA 40mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle
623	E	M	D	P	E	P	P	P	P	P	P	P	E	E	Ireg.
624	E	M	D	P	E	M	D	P	E	M	D	P	E	M	N
627	E	M	D	P	E	E	M	D	D	E	M	D	P	E	N
628	D	D	P	P	P	P	P	P	P	P	P	P	P	P	Ireg.
631	D	D	E	M	D	E	M	D	D	D	P	E	M	E	+
632	D	D	P	E	E	E	E	E	E	E	E	P	E	D	CE
636	D	D	P	P	P	P	P	P	P	P	P	E	P	E	PE
637	D	D	P	P	P	P	P	P	P	P	P	P	E	E	Ireg.
638	D	D	P	P	P	P	P	P	P	P	P	P	E	E	Ireg.
639	D	E	M	P	M	P	M	P	P	E	P	P	E	P	Ireg.
643	M	D	D	E	M	D	D	E	M	D	D	E	M	D	N
644	D	E	M	D	D	E	M	D	D	E	M	D	P	E	N
648	D	D	P	D	D	P	P	P	P	P	P	E	P	P	Ireg.
649	M	D	D	E	M	D	D	E	M	D	P	E	M	D	N
653	D	D	P	P	P	P	P	P	P	P	P	P	E	P	Ireg.
654	D	D	P	P	P	P	P	P	P	P	P	P	E	P	+
658	E	M	D	P	E	M	D	D	E	M	D	P	E	M	N
659	E	M	D	D	E	M	D	D	E	M	D	P	E	M	N
663	D	D	E	M	D	D	E	E	E	M	D	P	E	M	PE
664	E	M	D	P	E	M	D	P	E	M	D	P	E	M	N
666	D	D	P	P	E	M	D	P	E	M	D	P	E	D	N
668	E	M	D	P	E	M	D	P	E	M	D	P	E	M	N
669	M	D	D	P	E	M	D	P	E	M	D	P	E	D	Ireg.
671	D	D	E	M	D	P	E	M	D	D	E	M	D	D	N

Normal cycle  
Irregular cycle

PD  
CD  
PE  
CE

11/24
10/24
0/24
0/24
2/24
1/24

I-Addendum 8-5 Estrus cycle - individual findings following the time course at 7 months

continued  
BPA 400mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle
673	D	P	D	E	M	D	D	D	P	E	E	M	D	D	Ireg.
674	D	D	P	E	E	E	P	P	E	E	E	E	E	P	PE
678	D	E	M	D	D	P	E	M	D	D	D	D	D	D	PD
679	D	D	D	E	M	D	P	E	M	D	D	E	M	D	N
683	D	D	P	P	E	P	M	P	E	E	E	E	P	E	PE
684	D	D	M	P	P	E	E	M	M	P	P	E	E	P	Ireg.
688	E	M	E	E	E	E	P	E	P	E	E	E	E	E	PE
689	D	D	E	E	E	E	P	P	E	E	E	P	P	E	PE
693	dead (22wk)														
694	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD
698	D	E	M	D	P	E	M	D	P	E	M	D	P	E	N
699	D	D	E	P	P	P	E	E	P	P	P	E	E	P	PE
703	D	E	M	D	D	D	E	M	D	P	E	M	D	D	N
704	D	D	E	E	E	E	E	E	P	E	E	E	E	E	PE
708	D	D	E	M	D	D	E	M	D	D	E	M	M	D	N
709	D	D	P	E	E	P	P	P	P	P	E	E	P	P	Ireg.
713	D	E	E	E	P	P	P	E	E	E	E	E	E	P	PE
714	E	M	D	D	E	M	D	D	P	E	M	D	P	E	N
											Normal cycle				
											Irregular cycle				
													PD		5/17
													CD		3/17
													PE		1/17
													CE		1/17
															7/17
															0/17

I-Addendum 8-5 Estrus cycle - individual findings following the time course at 7 months

continued  
EE 0.05mg/kg/day

Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Irregular estrus cycle	
718	D	D	E	E	E	P	E	E	P	P	P	E	E	P	PE	+
719	D	E	E	E	E	E	E	E	E	E	E	E	E	E	PE	+
723	D	D	E	P	P	E	P	P	P	E	E	P	P	E	Ireg.	+
724	D	D	E	E	E	E	E	E	E	E	E	E	E	E	PE	+
728	D	D	E	E	P	P	E	E	E	E	E	E	E	E	PE	+
729	D	D	E	M	D	D	D	D	D	D	D	D	D	D	CD	+
733	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
734	D	D	D	D	D	D	D	D	D	D	D	D	D	P	CD	+
738	D	D	E	M	D	D	D	D	D	D	D	D	D	D	CD	+
739	D	D	E	M	M	D	P	E	M	D	D	D	D	D	CD	+
743	E	M	E	E	E	E	E	E	E	E	E	E	E	E	CE	+
744	D	D	D	D	D	D	D	D	D	D	D	E	E	E	PE	+
748	D	D	P	E	P	E	P	P	E	E	E	P	E	E	PE	+
749	E	M	E	P	P	E	P	E	P	E	E	E	E	E	PE	+
753	E	M	P	P	P	E	E	E	E	E	E	E	E	E	CE	+
754	D	D	E	E	E	E	E	E	E	P	P	E	E	E	PE	+
758	D	D	M	D	D	D	D	D	D	D	D	D	D	P	CD	+
759	D	D	D	D	D	E	E	M	D	D	D	E	M	D	PD	+
760	D	D	P	E	M	D	P	E	M	D	D	P	E	M	N	-
761	D	D	E	M	D	P	E	M	D	P	E	M	D	P	N	-
765	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+
766	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+

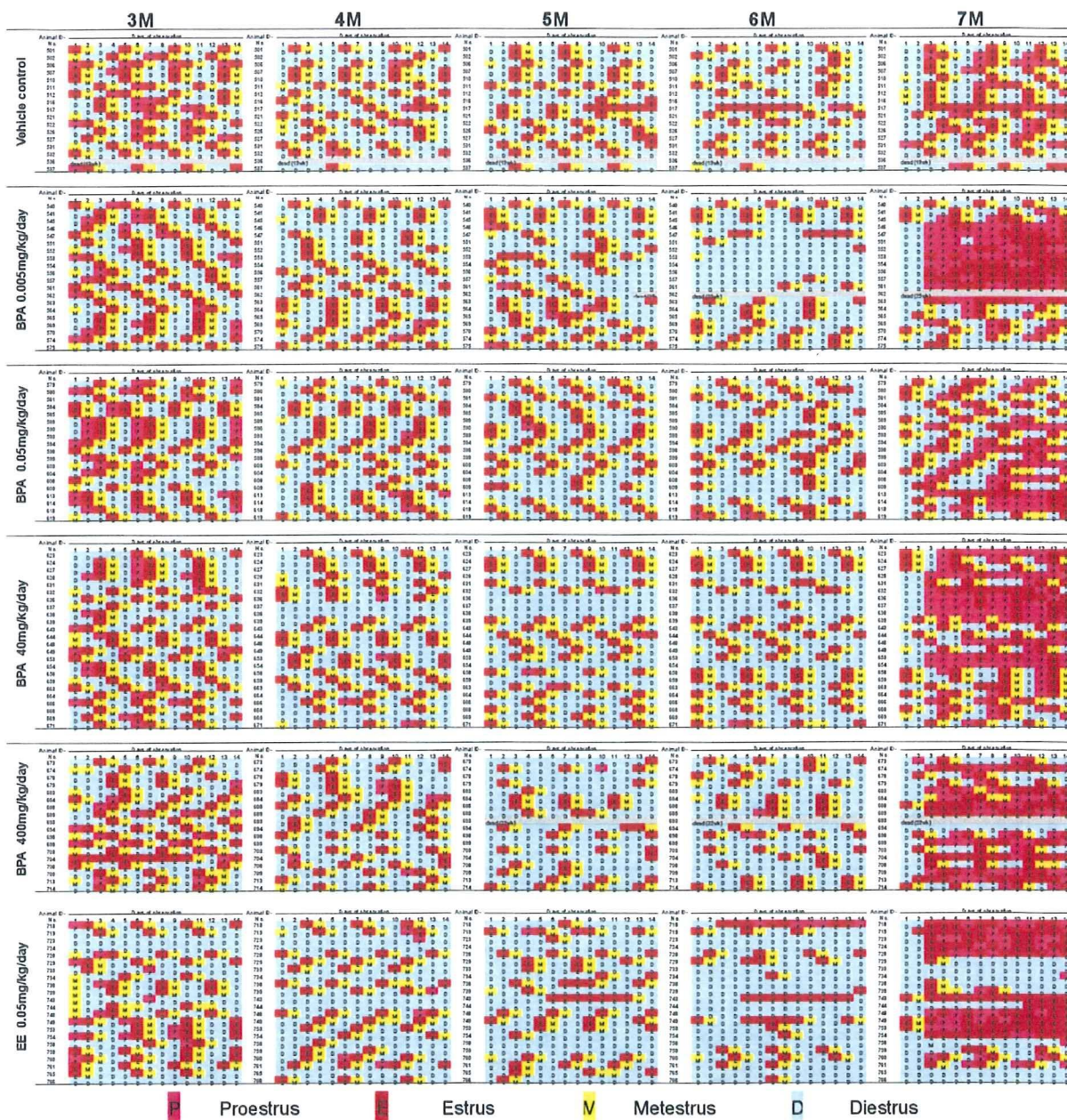
Normal cycle  
Irregular cycle

PD  
CD  
PE  
CE

2/22
1/22
2/22
7/22
8/22
2/22



I-Addendum 8-6 Estrus cycle summary - individual findings following the time course from 3 through 7 months



I-Addendum 8-7 Estrus cycle, ovary weight and histopathological examinations - Individual findings

Exp-group (mg/kg/day)	Animal No.	Estrus cycle														Irregular estrus cycle	BW	Ovary weight		Increased follicular atresia		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14			Absolute mg	Relative mg/100g			
Vehicle control	501	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	418.1	80.9	19.3	-	-	-
	502	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	383.6	65.7	17.1	-	-	**
	507	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	419.3	77.3	18.4	-	-	-
	510	M	D	D	D	D	D	D	D	D	D	D	D	D	D	D	367.6	63.5	17.3	-	-	-
	512	M	D	D	D	D	D	D	D	D	D	D	D	D	D	D	438.3	75.7	17.3	-	-	-
	516	M	D	D	D	D	D	D	D	D	D	D	D	D	D	D	357.4	54.1	15.1	*	*	*
	521	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	417.0	97.8	23.5	-	-	-
	522	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	327.8	78.0	23.8	-	-	-
	526	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	462.2	45.7	9.9	***	***	**
	527	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	358.2	64.1	17.9	-	-	-
	531	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	438.3	88.6	15.7	-	-	-
	532	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	323.0	48.0	14.9	*	*	*
	537	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	484.4	94.2	19.4	-	-	-
	BPA 0.005	540	D	D	D	D	D	D	D	D	D	D	D	D	D	D	351.5	73.7	21.0	-	-	-
541		E	M	D	D	D	D	D	D	D	D	D	D	D	D	359.4	64.8	18.0	-	-	-	
545		E	M	D	D	D	D	D	D	D	D	D	D	D	D	365.2	46.8	12.8	-	-	*	
569		D	D	D	D	D	D	D	D	D	D	D	D	D	D	467.3	66.1	14.6	-	-	-	
570		E	M	D	D	D	D	D	D	D	D	D	D	D	D	406.2	61.8	15.2	-	-	-	
574		M	D	D	D	D	D	D	D	D	D	D	D	D	D	362.1	45.7	12.6	-	-	**	
579		D	D	D	D	D	D	D	D	D	D	D	D	D	D	414.6	78.4	18.9	-	-	-	
BPA 0.05	580	E	M	D	D	D	D	D	D	D	D	D	D	D	D	331.9	54.3	16.4	**	**	**	
	581	E	M	D	D	D	D	D	D	D	D	D	D	D	D	341.9	61.4	18.0	-	-	-	
	584	D	D	D	D	D	D	D	D	D	D	D	D	D	D	310.9	56.0	18.0	-	-	-	
	585	D	D	D	D	D	D	D	D	D	D	D	D	D	D	372.8	69.0	18.5	-	-	*	
	589	E	M	D	D	D	D	D	D	D	D	D	D	D	D	427.3	79.4	18.6	-	-	-	
	593	E	M	D	D	D	D	D	D	D	D	D	D	D	D	374.5	79.9	21.3	-	-	-	
	594	M	D	D	D	D	D	D	D	D	D	D	D	D	D	363.5	69.0	18.0	-	-	-	
	599	D	D	D	D	D	D	D	D	D	D	D	D	D	D	396.4	65.6	16.5	-	-	-	
	604	E	M	D	D	D	D	D	D	D	D	D	D	D	D	381.0	57.1	15.0	**	**	**	
	609	D	D	D	D	D	D	D	D	D	D	D	D	D	D	405.1	76.6	19.4	-	-	-	
BPA 40	619	D	D	D	D	D	D	D	D	D	D	D	D	D	D	365.8	71.3	19.5	-	-	-	
	624	E	M	D	D	D	D	D	D	D	D	D	D	D	D	343.6	71.2	20.7	-	-	-	
	627	E	M	D	D	D	D	D	D	D	D	D	D	D	D	445.1	160.7	36.1	-	-	*	
	643	M	D	D	D	D	D	D	D	D	D	D	D	D	D	426.6	72.8	17.1	-	-	-	
	644	D	D	D	D	D	D	D	D	D	D	D	D	D	D	416.8	64.2	15.4	-	-	-	
	658	E	M	D	D	D	D	D	D	D	D	D	D	D	D	381.3	77.5	20.3	-	-	-	
	659	E	M	D	D	D	D	D	D	D	D	D	D	D	D	431.0	85.7	19.9	-	-	-	
	664	E	M	D	D	D	D	D	D	D	D	D	D	D	D	409.2	80.9	19.8	-	-	-	
	668	E	M	D	D	D	D	D	D	D	D	D	D	D	D	435.4	104.3	24.0	-	-	-	
	669	M	D	D	D	D	D	D	D	D	D	D	D	D	D	474.3	93.1	19.6	-	-	-	
BPA 400	671	D	D	D	D	D	D	D	D	D	D	D	D	D	D	361.9	74.9	20.7	-	-	-	
	649	M	D	D	D	D	D	D	D	D	D	D	D	D	D	354.8	81.7	23.0	-	-	-	
	679	D	D	D	D	D	D	D	D	D	D	D	D	D	D	355.2	67.1	18.9	-	-	-	
	698	E	M	D	D	D	D	D	D	D	D	D	D	D	D	371.3	77.0	20.7	-	-	-	
	703	D	D	D	D	D	D	D	D	D	D	D	D	D	D	366.3	66.5	18.2	-	-	-	
EE 0.05	708	D	D	D	D	D	D	D	D	D	D	D	D	D	D	379.0	78.1	20.6	-	-	-	
	714	E	M	D	D	D	D	D	D	D	D	D	D	D	D	420.9	123.2	29.3	-	-	-	
	760	D	D	D	D	D	D	D	D	D	D	D	D	D	D	407.4	92.1	22.6	-	-	-	
	761	D	D	D	D	D	D	D	D	D	D	D	D	D	D	475.0	91.1	19.2	-	-	-	
Mean																393.2	74.6	18.9	-	-	-	
S.D.																42.9	19.8	4.1	-	-	-	
n																49	49	49	6/49(12.2)	12/49(24.5)	-	



I-Addendum 8-7 Estrus cycle, ovary weight and histopathological examinations - individual findings

continued

Exp.group (mg/kg/day)	Animal No.	Estrus cycle														Irregular estruscycle	BW	Ovary weight		Decreased corpora lutea	Increased follicular atresia
		1	2	3	4	5	6	7	8	9	10	11	12	13	14			Absolute mg	Relative mg/100g		
BPA 0.005	564	D	D	M	D	D	P	E	M	D	D	D	E	M	D	+	382.3	66.1	17.3	-	-
	565	D	E	M	D	D	P	E	M	D	D	P	M	M	D	+	341.2	71.7	21.0	-	-
	631	D	D	E	M	D	E	M	D	D	P	E	M	E	+	356.6	61.1	17.1	**	**	
BPA 40	666	D	D	P	E	M	D	E	M	P	E	M	D	D	+	361.3	88.3	24.4	-	-	
	673	D	P	D	E	M	D	D	D	P	E	M	D	D	+	387.9	94.4	24.3	-	*	
		Mean														365.9	76.3	20.8			
		S.D.														19.2	14.4	3.6			
		n														5	5	5	5	1/5(20)	2/5(40)



I-Addendum 8-7 Estrus cycle, ovary weight and histopathological examinations - individual findings continued  
 Persistent estrus cycle, constant estrus & persistent proestrus cycle group

Exp. group (mg/kg/day)	Animal No.	Estrus cycle														BW	Ovary weight Absolute mg	Relative mg/100g	Decreased corpora lutea	Increased follicular atresia	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14						
Vehicle control	506	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	460.1	44.4	9.7	**	**
	511	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	458.2	43.2	9.4	***	***
	517	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	331.6	42.0	12.7	***	***
	554	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	358.3	74.7	20.8	-	-
	546	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	379.7	48.0	12.6	***	***
	547	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	377.6	40.2	10.6	***	***
	551	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	454.4	45.7	10.1	***	***
BPA 0.005	552	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	393.3	40.9	10.4	***	***
	553	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	421.2	40.0	9.5	***	***
	556	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	379.1	45.6	12.0	***	***
	557	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	384.9	56.7	14.7	***	***
	561	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	443.7	42.3	9.5	***	***
	563	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	456.7	46.8	10.2	***	***
	590	M	D	D	D	D	D	D	D	D	D	D	D	D	D	D	391.5	43.3	11.1	***	*
BPA 0.05	598	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	445.6	36.7	8.2	***	***
	803	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	392.4	57.6	14.7	***	***
	808	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	397.2	47.2	11.9	***	***
	813	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	419.6	44.2	10.5	***	***
	814	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	337.7	35.2	10.4	***	***
	818	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	413.5	52.9	12.8	***	***
	623	E	M	D	D	D	D	D	D	D	D	D	D	D	D	D	362.3	47.1	13.0	***	***
BPA 40	628	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	390.2	64.5	16.5	***	***
	632	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	377.8	43.5	11.5	***	***
	636	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	433.2	48.8	11.3	***	***
	637	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	399.5	55.2	13.8	***	***
	638	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	428.7	51.8	12.1	***	***
	639	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	452.8	60.7	13.4	***	***
	648	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	336.5	38.3	11.4	***	***
BPA 400	653	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	416.8	48.6	11.7	***	***
	654	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	435.9	36.3	8.3	***	***
	663	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	469.8	97.5	20.8	-	-
	674	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	320.9	52.0	16.2	***	***
	683	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	380.7	47.8	12.6	***	***
	684	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	380.6	37.5	9.9	***	***
	688	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	375.3	32.7	8.7	***	***
EE 0.05	689	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	358.7	51.0	14.2	***	***
	689	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	483.8	36.7	7.6	***	***
	704	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	335.5	44.1	13.1	***	***
	709	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	353.9	51.7	14.6	***	***
	713	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	397.5	62.0	15.6	***	***
	718	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	434.4	56.0	12.9	***	***
	719	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	405.6	60.7	15.0	***	***
BPA 400	723	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	486.9	71.7	14.7	***	***
	724	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	506.0	60.9	12.0	***	***
	728	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	348.5	42.4	12.2	***	***
	743	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	394.4	48.9	12.4	***	***
	744	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	374.5	88.9	23.7	-	-
	748	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	396.7	53.1	13.3	***	***
	749	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	384.7	47.8	12.4	***	***
BPA 400	753	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	495.0	48.1	9.7	***	***
	754	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	383.2	59.1	15.4	***	***
		Mean														403.9	50.5	12.6			
		S.D.														45.2	12.6	3.2			
		n														51	51	51	48/51(94.1)	49/51(96.1)	

I-Addendum 8-7 Estrus cycle, ovary weight and histopathological examinations - individual findings  
continued

Exp.group (mg/kg/day)	Animal No.	Estrus cycle														Irregular estruscycle	BW	Ovary weight		Decreased corpora lutea	Increased follicular atresia	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14			Absolute mg	Relative mg/100g			
BPA 400	575	D	D	E	E	M	D	D	D	D	D	D	D	D	D	PD	+	389.5	82.7	21.2	-	-
	678	D	E	M	D	D	P	E	M	D	D	D	D	D	D	PD	+	428.9	97.9	22.8	-	-
	694	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+	398.3	81.1	20.4	-	-
	729	D	D	E	M	D	D	D	D	D	D	D	D	D	D	CD	+	414.0	102.1	24.7	-	-
EE 0.05	733	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+	439.0	86.4	19.7	-	-
	734	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+	521.4	90.8	17.4	-	-
	738	D	D	E	M	D	D	D	D	D	D	D	D	D	D	CD	+	462.9	66.5	14.4	-	-
	739	D	D	E	M	D	D	P	E	M	D	D	D	D	D	PD	+	432.1	78.0	18.1	-	-
	758	D	D	M	D	D	D	D	D	D	D	D	D	D	D	CD	+	403.0	86.9	21.6	-	-
	759	D	D	D	D	D	E	E	M	D	D	D	D	D	D	PD	+	402.4	95.6	23.8	-	-
	765	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+	497.4	104.4	21.0	-	-
	766	D	D	D	D	D	D	D	D	D	D	D	D	D	D	CD	+	402.5	85.1	16.2	*	*
		Mean														432.6	86.5	20.1				
		S.D.														41.7	12.7	3.1				
		n														12	12	12	1/12(8.3)	1/12(6.3)		

I-Addendum 9-1 Absolute organ weights of male offspring at 10 weeks of age - individual values

Animal No.	Brain mg	Pituitary mg	Thyroid mg	Liver g	Kidney mg	Adrenal mg	Testis mg	Epididymis mg	Seminal vesicle mg	Ventral prostate mg	Body weight g
105	2150.2	14.7	21.1	18.0	3162.4	68.8	3686.8	953.9	1410.4	523.0	432.9
111	1969.7	14.7	23.9	18.8	3162.8	67.7	3758.3	922.3	1358.6	550.1	458.3
120	1972.5	14.0	19.5	19.1	2843.6	56.4	3604.7	948.7	1414.1	449.9	441.9
125	2022.1	12.9	20.0	18.5	3455.9	53.2	3085.1	997.4	1093.4	413.1	447.1
130	1940.3	12.1	10.8	12.7	2245.6	46.6	3195.3	823.2	924.4	329.9	338.3
135	1963.6	11.2	16.8	20.5	3123.6	57.0	3454.5	843.8	1390.4	399.4	462.2
141	2037.0	15.7	11.9	16.1	3200.2	57.9	3387.4	931.8	1135.0	416.0	431.3
Mean	2007.9	13.6	17.7	17.7	3027.7	58.2	3453.2	917.3	1246.6	440.2	430.3
S.D.	71.3	1.6	4.8	2.6	388.2	7.8	250.6	62.2	194.9	75.5	42.2



I-Addendum 9-1 Absolute organ weights of male offspring at 10 weeks of age - individual values

continued

BPA 0.005mg/kg/day

Animal No.	Brain mg	Pituitary mg	Thyroid mg	Liver g	Kidney mg	Adrenal mg	Testis mg	Epididymis mg	Seminal vesicle mg	Ventral prostate mg	Body weight g
146	1957.2	12.6	17.2	16.5	2917.9	55.4	3500.0	860.8	1086.4	440.1	403.2
157	1983.9	13.2	22.0	14.7	2903.9	57.7	3684.3	937.5	1249.1	545.5	410.8
166	2036.8	14.6	16.0	18.8	3372.6	56.6	3399.3	1008.1	1014.1	497.4	478.9
179	1957.0	14.3	17.9	15.7	2492.4	52.4	3049.4	863.7	956.9	359.5	375.3
184	2132.8	13.3	13.5	13.9	2648.0	58.5	3308.3	932.7	1150.3	366.7	396.9
189	2016.7	10.1	17.6	13.7	2758.8	42.4	2919.3	750.0	1055.6	381.3	356.6
Mean	2014.1	13.0	17.4	15.5	2848.9	53.8	3310.1	892.1	1085.4	431.8	403.6
S.D.	66.4	1.6	2.8	1.9	302.5	6.0	284.5	88.5	103.4	76.6	41.9

I-Addendum 9-1 Absolute organ weights of male offspring at 10 weeks of age - individual values

continued

BPA 0.05mg/kg/day

Animal No.	Brain mg	Pituitary mg	Thyroid mg	Liver g	Kidney mg	Adrenal mg	Testis mg	Epididymis mg	Seminal vesicle mg	Ventral prostate mg	Body weight g
198	1925.9	13.1	15.6	17.5	3087.8	50.7	3127.2	933.4	1103.1	389.8	452.0
204	1935.7	13.1	17.0	15.6	3164.9	61.4	3239.4	872.1	1242.1	396.1	395.2
209	1951.8	11.7	15.2	13.2	2380.8	58.8	2999.4	736.0	1196.9	268.8	368.0
215	2094.6	13.3	16.2	16.6	2652.5	53.7	3002.2	895.1	1100.9	362.1	415.8
220	2045.3	12.7	18.5	16.1	2662.9	54.3	3064.3	826.4	1118.9	318.2	402.0
225	1843.4	13.4	17.7	16.8	3424.5	61.3	2885.2	835.5	1136.1	489.5	457.7
230	2096.3	15.9	21.3	20.4	3066.6	61.1	3258.8	915.5	1361.4	573.9	484.9
235	2062.7	14.5	16.9	16.8	2981.0	58.5	3345.9	885.7	1345.2	482.5	427.9
240	2010.7	12.4	19.7	15.6	2967.0	67.7	3244.6	831.5	1345.4	413.2	402.8
245	2111.2	14.9	24.7	20.2	3400.6	60.1	3412.9	892.6	756.0	240.7	479.1
Mean	2007.8	13.5	18.3	16.9	2978.9	58.8	3158.0	862.4	1170.6	393.5	428.5
S.D.	89.8	1.3	2.9	2.2	332.5	4.8	169.4	57.2	179.0	103.1	38.6

I-Addendum 9-1 Absolute organ weights of male offspring at 10 weeks of age - individual values

continued  
BPA 40mg/kg/day

Animal No.	Brain mg	Pituitary mg	Thyroid mg	Liver g	Kidney mg	Adrenal mg	Testis mg	Epididymis mg	Seminal vesicle mg	Ventral prostate mg	Body weight g
251	2019.5	12.9	14.9	16.5	2930.2	56.7	3589.7	1039.1	1211.3	536.2	441.1
257	1809.0	13.6	17.7	15.7	2880.5	66.5	3263.4	841.1	1346.8	361.7	392.7
262	1985.4	11.2	19.7	16.3	3253.5	75.1	3343.6	988.8	1068.6	556.3	449.2
269	1924.6	12.1	16.5	17.8	2991.2	49.6	3371.4	891.8	1392.0	511.9	449.3
274	1998.6	12.5	23.1	15.1	2703.1	52.8	3396.0	957.1	1043.2	316.8	391.9
279	2043.7	12.1	19.8	15.0	2955.0	49.2	3433.4	939.6	1328.6	459.0	391.4
284	1919.4	14.3	19.6	16.5	3023.5	74.0	3527.7	866.8	1327.6	382.9	455.0
289	1956.4	12.6	16.3	15.3	2794.2	50.9	2943.9	809.5	1300.8	433.9	423.2
294	2006.9	14.5	15.8	17.5	3284.4	57.1	3279.6	790.2	1251.6	484.4	434.5
Mean	1962.6	12.9	18.2	16.2	2979.5	59.1	3349.9	902.7	1252.3	449.2	425.4
S.D.	71.2	1.1	2.6	1.0	191.6	10.2	185.7	84.3	123.2	82.3	26.7