

SUMMARY INCIDENCE TABLES

F1 GENERATION SACRIFICE

## SUMMARY INCIDENCE TABLE

WA 2-17  
F1 Generation Sacrifice  
Male Japanese Quail

	GROUP F1-CONT	GROUP PAFA-2	GROUP PAFA-3	GROUP PAFA-4	GROUP PAFA-5	GROUP PAFB-2
ADRENAL (NO. EXAMINED)	(14)	(1)				(2)
Hypertrophy, Diffuse						2
BRAIN (NO. EXAMINED)	(14)	(1)				(2)
Dilatation, Ventricles						1
Mineralization, Focal						
CLOACAL GLAND (NO. EXAMINED)	(14)	(1)	(1)	(5)	(1)	(2)
Atrophy, Submucosal Glands				1		
Dilatation, Submucosal Glands						
Hypertrophy, Submucosal Glands, Diffuse						1
Infiltration, Mononuclear Cell, Focal	1					
EPIDIDYMIS (NO. EXAMINED)	(11)	(1)	(1)	(5)	(1)	(1)
Epithelial Hypertrophy, Diffuse						1
Hypospermia	1			1		
Sperm Granuloma						
LIVER (NO. EXAMINED)	(14)	(1)				(2)
Hypertrophy, Muscularis, Artery, Focal						
Infiltration, Mononuclear Cell, Focal	7					2
Mineralization, Focal						
Vacuolation, Centrilobular						
Vacuolation, Diffuse	5					
Vacuolation, Focal	2					
PINEAL GLAND (NO. EXAMINED)	(1)					
PITUITARY (NO. EXAMINED)						
TESTIS (NO. EXAMINED)	(14)	(1)	(1)	(5)	(1)	(2)
Degeneration, Seminiferous Tubules, Diffuse	1					
Degeneration, Seminiferous Tubules, Focal	1					
THYROID (NO. EXAMINED)	(14)	(1)				(2)
Infiltration, Mononuclear Cell, Focal	3					
Mineralization, Focal						

## SUMMARY INCIDENCE TABLE

WA 2-17  
F1 Generation Sacrifice  
Male Japanese Quail

	GROUP PAFB-3	GROUP PAFB-4	GROUP PAFB-5	GROUP PBFA-2	GROUP PBFA-3	GROUP PBFA-4
ADRENAL (NO. EXAMINED)				(2)		
Hypertrophy, Diffuse						
BRAIN (NO. EXAMINED)				(2)		
Dilatation, Ventricles						
Mineralization, Focal						
CLOACAL GLAND (NO. EXAMINED)	(1)	(6)	(4)	(2)	(8)	(6)
Atrophy, Submucosal Glands		1				
Dilatation, Submucosal Glands			3	1	4	4
Hypertrophy, Submucosal Glands, Diffuse	1	3				
Infiltration, Mononuclear Cell, Focal		1				
EPIDIDYMIS (NO. EXAMINED)	(1)	(5)	(3)	(2)	(6)	(5)
Epithelial Hypertrophy, Diffuse		1		1	1	1
Hypospermia			2	1	1	1
Sperm Granuloma						
LIVER (NO. EXAMINED)				(2)		
Hypertrophy, Muscularis, Artery, Focal				1		
Infiltration, Mononuclear Cell, Focal						
Mineralization, Focal						
Vacuolation, Centrilobular						
Vacuolation, Diffuse				2		
Vacuolation, Focal						
PINEAL GLAND (NO. EXAMINED)						
PITUITARY (NO. EXAMINED)						
TESTIS (NO. EXAMINED)	(1)	(6)	(4)	(2)	(8)	(6)
Degeneration, Seminiferous Tubules, Diffuse					1	
Degeneration, Seminiferous Tubules, Focal		1			1	
THYROID (NO. EXAMINED)				(2)		
Infiltration, Mononuclear Cell, Focal						
Mineralization, Focal						

## SUMMARY INCIDENCE TABLE

WA 2-17  
F1 Generation Sacrifice  
Male Japanese Quail

	GROUP PBFA-5	GROUP PBFB-2	GROUP PBFB-3	GROUP PBFB-4	GROUP PBFB-5
ADRENAL (NO. EXAMINED)		(4)			
Hypertrophy, Diffuse		3			
BRAIN (NO. EXAMINED)		(4)			
Dilatation, Ventricles					
Mineralization, Focal					
CLOACAL GLAND (NO. EXAMINED)	(9)	(4)	(4)	(6)	(8)
Atrophy, Submucosal Glands					1
Dilatation, Submucosal Glands	2	1		2	4
Hypertrophy, Submucosal Glands, Diffuse					1
Infiltration, Mononuclear Cell, Focal					
EPIDIDYMIS (NO. EXAMINED)	(8)	(4)	(5)	(6)	(8)
Epithelial Hypertrophy, Diffuse	3			1	1
Hypospermia	1	4	2	3	3
Sperm Granuloma			1		
LIVER (NO. EXAMINED)		(4)			
Hypertrophy, Muscularis, Artery, Focal					
Infiltration, Mononuclear Cell, Focal		1			
Mineralization, Focal					
Vacuolation, Centrilobular					
Vacuolation, Diffuse		3			
Vacuolation, Focal		1			
PINEAL GLAND (NO. EXAMINED)					
PITUITARY (NO. EXAMINED)					
TESTIS (NO. EXAMINED)	(9)	(4)	(5)	(8)	(8)
Degeneration, Seminiferous Tubules, Diffuse		2	1	2	2
Degeneration, Seminiferous Tubules, Focal					
THYROID (NO. EXAMINED)		(4)			
Infiltration, Mononuclear Cell, Focal		1			
Mineralization, Focal					

## SUMMARY INCIDENCE TABLE

WA 2-17  
 F1 Generation Sacrifice  
 Female Japanese Quail

	GROUP F1-CONT	GROUP PAFA-2	GROUP PAFA-3	GROUP PAFA-4	GROUP PAFA-5	GROUP PAFB-2
ADRENAL (NO. EXAMINED)	(20)	(6)				(4)
Hypertrophy, Diffuse	10	4				1
BRAIN (NO. EXAMINED)	(21)	(6)				(4)
Dilatation, Ventricles						
Mineralization, Focal						
LIVER (NO. EXAMINED)	(21)	(6)				(4)
Hypertrophy, Muscularis, Artery, Focal						
Infiltration, Mononuclear Cell, Focal	8	2				2
Mineralization, Focal						3
Vacuolation, Centrilobular	7	6				1
Vacuolation, Diffuse	4					
Vacuolation, Focal						
OVARY (NO. EXAMINED)	(21)	(6)	(6)	(5)	(3)	(4)
Degenerating Follicles	13	4	3	2	2	1
Increased Follicles	14	6	6	4	3	3
OVIDUCT (NO. EXAMINED)	(20)	(6)	(6)	(5)	(3)	(4)
Epithelial Hyperplasia/Hypertrophy	20	6	6	5	3	4
Glandular Atrophy	1					
Infiltration, Mononuclear Cell, Focal						
PINEAL GLAND (NO. EXAMINED)		(1)				
PITUITARY (NO. EXAMINED)		(1)				
THYROID (NO. EXAMINED)	(21)	(6)				(4)
Infiltration, Mononuclear Cell, Focal	3					1
Mineralization, Focal						

## SUMMARY INCIDENCE TABLE

WA 2-17  
F1 Generation Sacrifice  
Female Japanese Quail

	GROUP PAFB-3	GROUP PAFB-4	GROUP PAFB-5	GROUP PBFA-2	GROUP PBFA-3	GROUP PBFA-4
ADRENAL (NO. EXAMINED)				(8)		
Hypertrophy, Diffuse				5		
BRAIN (NO. EXAMINED)				(8)		
Dilatation, Ventricles						
Mineralization, Focal						
LIVER (NO. EXAMINED)				(8)		
Hypertrophy, Muscularis, Artery, Focal						
Infiltration, Mononuclear Cell, Focal				4		
Mineralization, Focal				6		
Vacuolation, Centrilobular				4		
Vacuolation, Diffuse				1		
Vacuolation, Focal						
OVARY (NO. EXAMINED)	(5)	(3)	(2)	(8)	(5)	(4)
Degenerating Follicles	4	2	1	6	2	3
Increased Follicles	3	1	1	5	4	
OVIDUCT (NO. EXAMINED)	(5)	(3)	(2)	(8)	(5)	(4)
Epithelial Hyperplasia/Hypertrophy	5	3	2	7	5	4
Glandular Atrophy					1	
Infiltration, Mononuclear Cell, Focal				1		
PINEAL GLAND (NO. EXAMINED)						
PITUITARY (NO. EXAMINED)						
THYROID (NO. EXAMINED)				(8)		
Infiltration, Mononuclear Cell, Focal				1		
Mineralization, Focal						

## SUMMARY INCIDENCE TABLE

WA 2-17  
F1 Generation Sacrifice  
Female Japanese Quail

	GROUP PBFA-5	GROUP PBFB-2	GROUP PBFB-3	GROUP PBFB-4	GROUP PBFB-5
ADRENAL (NO. EXAMINED)		(6)			
Hypertrophy, Diffuse					
BRAIN (NO. EXAMINED)		(6)			
Dilatation, Ventricles					
Mineralization, Focal		1			
LIVER (NO. EXAMINED)		(6)			
Hypertrophy, Muscularis, Artery, Focal					
Infiltration, Mononuclear Cell, Focal		2			
Mineralization, Focal		6			
Vacuolation, Centrilobular		4			
Vacuolation, Diffuse					
Vacuolation, Focal					
OVARY (NO. EXAMINED)	(7)	(6)	(7)	(3)	(7)
Degenerating Follicles	2	5	5	3	3
Increased Follicles	6	3	5	1	2
OVIDUCT (NO. EXAMINED)	(7)	(6)	(8)	(3)	(7)
Epithelial Hyperplasia/Hypertrophy	7	6	8	3	7
Glandular Atrophy					
Infiltration, Mononuclear Cell, Focal		1	1		2
PINEAL GLAND (NO. EXAMINED)					
PITUITARY (NO. EXAMINED)					
THYROID (NO. EXAMINED)		(6)			
Infiltration, Mononuclear Cell, Focal					
Mineralization, Focal		1			

HISTOPATHOLOGY INCIDENCE TABLES  
F1 GENERATION SACRIFICE



## HISTOPATHOLOGY INCIDENCE TABLE

	A N I M A L	GROUP F1-CONT										GROUP PAFA-2			GROUP PAFA-3			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WA 2-17 F1 Generation Sacrifice Male Japanese Quail		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		0	1	1	1	1	1	1	1	2	2	0	0	1	1	1	1	1
		4	7	1	2	6	7	8	3	5	1	4	8	1	5	3	1	1
ADRENAL		X	X	X	X	X	X	X	X	X	X	X	X	X	X			
Hypertrophy, Diffuse																		
BRAIN		X	X	X	X	X	X	X	X	X	X	X	X	X	X			
Dilatation, Ventricles																		
Mineralization, Focal																		
CLOACAL GLAND		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Atrophy, Submucosal Glands																		
Dilatation, Submucosal Glands																		
Hypertrophy, Submucosal Glands, Diffuse																		
Infiltration, Mononuclear Cell, Focal			1															
EPIDIDYMIS		N	Xm	X	X	X	X	Xm	Xm	N		Xm	X	Xm	N		X	Xm
Epithelial Hypertrophy, Diffuse																		
Hypospermia										4								
Sperm Granuloma																		
LIVER						X	X	X		X	X	X		X			X	
Hypertrophy, Muscularis, Artery, Focal																		
Infiltration, Mononuclear Cell, Focal		1	1	1	1				1				2		1			
Mineralization, Focal																		
Vacuolation, Centrilobular																		
Vacuolation, Diffuse		1	1	1	1								1					
Vacuolation, Focal				1											1			
PINEAL GLAND		N	N	N	X	N	N	N	N	N	N	N	N	N	N	N	N	N
PITUITARY		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
TESTIS		X	X	X	X	X	X	X		X		X	X	X	X		X	X
Degeneration, Seminiferous Tubules, Diffuse											1							
Degeneration, Seminiferous Tubules, Focal									2									

## HISTOPATHOLOGY INCIDENCE TABLE

	GROUP F1-CONT										GROUP PAFA-2					GROUP PAFA-3					
WA 2-17 F1 Generation Sacrifice Male Japanese Quail	A N I M A L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		1	1	1	1	1	1	1	1	2	2	0	0	0	1	1	1	1	1	1	
		0	0	1	1	1	1	1	2	2	0	0	0	1	1	1	1	1	1	1	
		4	7	1	2	6	7	8	3	5	1	4	8	1	5	3	1	3	1	1	
THYROID		X			X	X	X	X	Xm	X	Xm	X		X	X	X					
Infiltration, Mononuclear																					
Cell, Focal			1	1									2								
Mineralization, Focal																					

Key: X=Not Remarkable N=No Section I=Incomplete A=Autolysis  
 1=minimal 2=slight/mild 3=moderate 4=moderately severe 5=severe/high  
 P=Present B=Benign M=Malignant  
 m=missing one paired organ u=unscheduled sac./death

## HISTOPATHOLOGY INCIDENCE TABLE

	A N I M A L	GROUP PAFA-4					GROUP PAFA-5					GROUP PAFB-2					GROUP PAFB-3				
WA 2-17 F1 Generation Sacrifice Male Japanese Quail		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		3	3	3	3	3	2	2	2	2	2	5	5	5	5	4	4	4	4	4	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		1	1	1	1	2	2	1	1	1	1	0	0	0	0	1	1	1	1	1	
		1	3	6	0	5	0	0	0	0	0	2	4	7	7	7	7	7	7	7	
ADRENAL																					
Hypertrophy, Diffuse												2	2								
BRAIN												X									
Dilatation, Ventricles													1								
Mineralization, Focal																					
CLOACAL GLAND			X	X	X	X	X	X	X	X	X	X	X	X							
Atrophy, Submucosal Glands		2																			
Dilatation, Submucosal Glands																					
Hypertrophy, Submucosal Glands, Diffuse													1		1						
Infiltration, Mononuclear Cell, Focal																					
EPIDIDYMIS			Xm	Xm	Xm	X	X	X	X	X	N	N	N	N	X	X	X	X	X		
Epithelial Hypertrophy, Diffuse												2									
Hypospermia		4																			
Sperm Granuloma																					
LIVER																					
Hypertrophy, Muscularis, Artery, Focal																					
Infiltration, Mononuclear Cell, Focal												2	1								
Mineralization, Focal																					
Vacuolation, Centrilobular																					
Vacuolation, Diffuse																					
Vacuolation, Focal																					
PINEAL GLAND												N	N								
PITUITARY												N	N								
TESTIS		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Degeneration, Seminiferous Tubules, Diffuse																					
Degeneration, Seminiferous Tubules, Focal																					

## HISTOPATHOLOGY INCIDENCE TABLE

	GROUP PAFA-4					GROUP PAFA-5					GROUP PAFB-2					GROUP PAFB-3				
WA 2-17																				
F1 Generation Sacrifice																				
Male Japanese Quail																				
A N I M A L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3	3	3	3	3	2	2	2	2	2	5	5	5	5	5	4	4	4	4	4
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	1	1	1	2	2	1	1	1	2	2	0	0	0	1	1	1	1	1	1	1
	1	3	6	0	5	0	0	0	0	0	2	4	4	7	7					
THYROID											X	X								
Infiltration, Mononuclear																				
Cell, Focal																				
Mineralization, Focal																				

Key: X=Not Remarkable N=No Section I=Incomplete A=Autolysis  
 1=minimal 2=slight/mild 3=moderate 4=moderately severe 5=severe/high  
 P=Present B=Benign M=Malignant  
 m=missing one paired organ u=unscheduled sac./death

## HISTOPATHOLOGY INCIDENCE TABLE

	A N I M A L	GROUP PAFB-4					GROUP PAFB-5					GROUP PBFA-2					
WA 2-17 F1 Generation Sacrifice Male Japanese Quail		1	1	1	1	1	1	1	1	1	1	1	1				
		3	3	3	3	3	3	2	2	2	2	5	5				
		-	-	-	-	-	-	-	-	-	-	-	-				
		2	2	2	2	2	2	2	2	2	2	1	1				
		0	0	0	1	1	1	0	0	0	2	1	1				
		1	7	8	0	2	9	2	5	8	3	1	6				
ADRENAL												X	X				
Hypertrophy, Diffuse																	
BRAIN												X	X				
Dilatation, Ventricles																	
Mineralization, Focal																	
CLOACAL GLAND						X		X					X				
Atrophy, Submucosal Glands							4										
Dilatation, Submucosal Glands								2	1	2		1					
Hypertrophy, Submucosal Glands, Diffuse			2	2	1												
Infiltration, Mononuclear Cell, Focal		2															
EPIDIDYMIS		X	Xm	X	N	m	X		m	Xm	N						
Epithelial Hypertrophy, Diffuse						2							2				
Hypospermia								4	4			4					
Sperm Granuloma																	
LIVER																	
Hypertrophy, Muscularis, Artery, Focal												1					
Infiltration, Mononuclear Cell, Focal																	
Mineralization, Focal																	
Vacuolation, Centrilobular																	
Vacuolation, Diffuse												1	1				
Vacuolation, Focal																	
PINEAL GLAND												N	N				
PITUITARY												N	N				
TESTIS		X	X	X	X		X	X	X	X	X	X	X				
Degeneration, Seminiferous Tubules, Diffuse																	
Degeneration, Seminiferous Tubules, Focal						1											

**HISTOPATHOLOGY INCIDENCE TABLE**

WA 2-17 F1 Generation Sacrifice Male Japanese Quail	A N I M A L	GROUP PAFB-4						GROUP PAFB-5				GROUP PBFA-2																	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1														
		3	3	3	3	3	3	2	2	2	2	5	5																
		-	-	-	-	-	-	-	-	-	-	-	-																
		2	2	2	2	2	2	2	2	2	2	1	1																
		0	0	0	1	1	1	0	0	0	2	1	1																
		1	7	8	0	2	9	2	5	8	3	1	6																
THYROID																													
Infiltration, Mononuclear Cell, Focal																													
Mineralization, Focal																													

Key: X=Not Remarkable N=No Section I=Incomplete A=Autolysis  
 1=minimal 2=slight/mild 3=moderate 4=moderately severe 5=severe/high  
 P=Present B=Benign M=Malignant  
 m=missing one paired organ u=unscheduled sac./death

## HISTOPATHOLOGY INCIDENCE TABLE

	A N I M A L	GROUP PBFA-3								GROUP PBFA-4							
		1	1	1	1	1	1	1	1	1	1	1	1	1	1		
WA 2-17		1	1	1	1	1	1	1	1	1	1	1	1	1	1		
F1 Generation Sacrifice		4	4	4	4	4	4	4	4	3	3	3	3	3	3		
Male Japanese Quail		-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		0	0	1	1	2	2	2	3	1	1	2	2	2	3		
		1	9	4	5	3	5	8	1	3	9	1	5	9	0		
CLOACAL GLAND		X		X	X		X						X	X			
Atrophy, Submucosal Glands																	
Dilatation, Submucosal Glands			1			1		1	2		2	1	1		1		
Hypertrophy, Submucosal Glands, Diffuse																	
Infiltration, Mononuclear Cell, Focal																	
EPIDIDYMIS		X	N	N	X		X		X		N		X	X	X		
Epithelial Hypertrophy, Diffuse								1				2					
Hypospermia						4					4						
Sperm Granuloma																	
TESTIS		X	X		X	X	X		X	X	X	X	X	X	X		
Degeneration, Seminiferous Tubules, Diffuse					2												
Degeneration, Seminiferous Tubules, Focal								2									

## HISTOPATHOLOGY INCIDENCE TABLE

	A N I M A L	GROUP PBFA-5					GROUP PBFB-2				GROUP PBFB-3				
WA 2-17 F1 Generation Sacrifice Male Japanese Quail		1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2	2	2	2	2	2	2	2	2	5	5	5	5	4
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
		0	0	1	1	1	1	2	2	3	0	0	1	2	0
		1	9	1	2	4	5	1	3	3	2	8	7	0	3
ADRENAL											X				
Hypertrophy, Diffuse											2	1	1		
BRAIN											X	X	X	X	
Dilatation, Ventricles															
Mineralization, Focal															
CLOACAL GLAND		X	X	X	X			X	X	X	X		X	X	X
Atrophy, Submucosal Glands															N
Dilatation, Submucosal Glands						1	2				1				
Hypertrophy, Submucosal Glands, Diffuse															
Infiltration, Mononuclear Cell, Focal															
EPIDIDYMIS				N	X			Xm	Xm	X	m	m			X
Epithelial Hypertrophy, Diffuse		2				2	1								X
Hypospermia			5								4	4	4	4	3
Sperm Granuloma															3
LIVER															
Hypertrophy, Muscularis, Artery, Focal															
Infiltration, Mononuclear Cell, Focal											2				
Mineralization, Focal															
Vacuolation, Centrilobular															
Vacuolation, Diffuse											1	1	1		
Vacuolation, Focal												1			
PINEAL GLAND											N	N	N	N	
PITUITARY											N	N	N	N	
TESTIS		X	X	X	X	X	X	X	X	X	X		X		X
Degeneration, Seminiferous Tubules, Diffuse												2	2	2	
Degeneration, Seminiferous Tubules, Focal															



# HISTOPATHOLOGY INCIDENCE TABLE

	ANIMAL	GROUP PBFA-5									GROUP PBFB-2				GROUP PBFB-3				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
WA 2-17 F1 Generation Sacrifice Male Japanese Quail		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2	2	2	2	2	2	2	2	2	5	5	5	5	4	4	4	4	4
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		0	0	1	1	1	1	2	2	3	0	0	1	2	0	0	0	2	3
		1	9	1	2	4	5	1	3	3	2	8	7	0	3	5	6	7	0
<b>THYROID</b>											X	X	X						
Infiltration, Mononuclear Cell, Focal												1							
Mineralization, Focal																			

Key: X=Not Remarkable N=No Section I=Incomplete A=Autolysis  
 1=minimal 2=slight/mild 3=moderate 4=moderately severe 5=severe/high  
 P=Present B=Benign M=Malignant  
 m=missing one paired organ u=unscheduled sac./death

# HISTOPATHOLOGY INCIDENCE TABLE

	GROUP PBFB-4								GROUP PBFB-5								
WA 2-17 F1 Generation Sacrifice Male Japanese Quail	A N I M A L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		0	0	0	1	1	2	2	2	0	1	1	1	1	2	3	3
		3	4	7	0	5	0	4	8	8	0	3	6	8	6	0	1
<b>CLOACAL GLAND</b>			X	X	X		X	N	N	X	X						
Atrophy, Submucosal Glands																3	
Dilatation, Submucosal Glands		1				2							2	2	2		1
Hypertrophy, Submucosal Glands, Diffuse										1							
Infiltration, Mononuclear Cell, Focal																	
<b>EPIDIDYMIS</b>		N	m		N	X		X	X	X	X	X	m	Xm		X	
Epithelial Hypertrophy, Diffuse			2														2
Hypospermia Sperm Granuloma			4	2		5							3	2		2	
<b>TESTIS</b>		X	X	X	X	X		X		X	X		X		X	X	X
Degeneration, Seminiferous Tubules, Diffuse							3		3			1		1			
Degeneration, Seminiferous Tubules, Focal																	

Key: X=Not Remarkable N=No Section I=Incomplete A=Autolysis  
 1=minimal 2=slight/mild 3=moderate 4=moderately severe 5=severe/high  
 P=Present B=Benign M=Malignant  
 m=missing one paired organ u=unscheduled sac./death

## HISTOPATHOLOGY INCIDENCE TABLE

	GROUP F1-CONT																				
WA 2-17 F1 Generation Sacrifice Female Japanese Quail	A N I M A L																				
ADRENAL		X		X	X						X	X	X	X		N		X	X		X
Hypertrophy, Diffuse			2			1	2	1	2	1					1		1			1	
BRAIN		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dilatation, Ventricles																					
Mineralization, Focal																					
LIVER		X										X			X		X				X
Hypertrophy, Muscularis, Artery, Focal																					
Infiltration, Mononuclear Cell, Focal				1			1				1				2		1		1	1	
Mineralization, Focal																					
Vacuolation, Centrilobular				1		3		2	1	2		3					2				
Vacuolation, Diffuse			1		1								1								1
Vacuolation, Focal																					
OVARY		X		X	X																
Degenerating Follicles			1			1		1	1		1		1	1		1	1	1	1		1
Increased Follicles			1			2	1	2	2	1	1	2		2	1		2		2	1	
N																					
OVIDUCT																					
Epithelial																					
Hyperplasia/Hypertrophy		1	3	1	1	1	1	2	2		2	1	3	2	1	1	2	1	3	1	3
Glandular Atrophy		1																			
Infiltration, Mononuclear Cell, Focal																					
PINEAL GLAND		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PITUITARY		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
THYROID		X			X	X	Xm	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Infiltration, Mononuclear Cell, Focal				1	1																
Mineralization, Focal																					

Key: X=Not Remarkable N=No Section I=Incomplete A=Autolysis  
 1=minimal 2=slight/mild 3=moderate 4=moderately severe 5=severe/high  
 P=Present B=Benign M=Malignant  
 m=missing one paired organ u=unscheduled sac./death

## HISTOPATHOLOGY INCIDENCE TABLE

	GROUP															
	F1-CONT															
WA 2-17 F1 Generation Sacrifice Female Japanese Quail	A N I M A L	1 1 - 2 1 7														
<b>ADRENAL</b>																
Hypertrophy, Diffuse		1														
<b>BRAIN</b>																
Dilatation, Ventricles		X														
Mineralization, Focal																
<b>LIVER</b>																
Hypertrophy, Muscularis, Artery, Focal																
Infiltration, Mononuclear Cell, Focal		4														
Mineralization, Focal																
Vacuolation, Centrilobular																
Vacuolation, Diffuse																
Vacuolation, Focal																
<b>OVARY</b>																
Degenerating Follicles		1														
Increased Follicles		1														
<b>OVIDUCT</b>																
Epithelial Hyperplasia/Hypertrophy		1														
Glandular Atrophy																
Infiltration, Mononuclear Cell, Focal																
<b>PINEAL GLAND</b>																
		N														
<b>PITUITARY</b>																
		N														
<b>THYROID</b>																
Infiltration, Mononuclear Cell, Focal		1														
Mineralization, Focal																

Key: X=Not Remarkable N=No Section I=Incomplete A=Autolysis  
 1=minimal 2=slight/mild 3=moderate 4=moderately severe 5=severe/high  
 P=Present B=Benign M=Malignant  
 m=missing one paired organ u=unscheduled sac./death

## HISTOPATHOLOGY INCIDENCE TABLE

	A N I M A L	GROUP PAFA-2						GROUP PAFA-3						GROUP PAFA-4					
WA 2-17 F1 Generation Sacrifice Female Japanese Quail		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	5	4	4	4	4	4	4	3	3	3	3	3	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		0	0	0	0	1	1	0	0	1	1	1	2	0	0	0	1	1	
		1	3	5	8	2	4	2	7	0	1	3	7	2	5	9	4	8	
ADRENAL		X					Xm												
Hypertrophy, Diffuse			1	2	2	2													
BRAIN		X	X	X	X	X	X												
Dilatation, Ventricles																			
Mineralization, Focal																			
LIVER																			
Hypertrophy, Muscularis, Artery, Focal																			
Infiltration, Mononuclear Cell, Focal				1	1														
Mineralization, Focal																			
Vacuolation, Centrilobular		3	4	1	4	4	2												
Vacuolation, Diffuse																			
Vacuolation, Focal																			
OVARY																			
Degenerating Follicles		2	1			2	1			1	2	2	1		1				
Increased Follicles		1	1	1	2	1	1	1	3	3	2	3	2	3	2		2	2	
OVIDUCT																			
Epithelial																			
Hyperplasia/Hypertrophy		3	2	1	3	1	1	4	4	4	2	4	3	2	2	3	1	3	
Glandular Atrophy																			
Infiltration, Mononuclear Cell, Focal																			
PINEAL GLAND		N	N	N	N	X	N												
PITUITARY		N	N	N	N	X	N												
THYROID		X	X	X	X	X	X												
Infiltration, Mononuclear Cell, Focal																			
Mineralization, Focal																			

## HISTOPATHOLOGY INCIDENCE TABLE

	GROUP PAFA-5			GROUP PAFB-2				GROUP PAFB-3				GROUP PAFB-4		
WA 2-17 F1 Generation Sacrifice Female Japanese Quail														
A N I M A L	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	5	5	5	5	4	4	4	4	4	3	3
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	0	1	1	0	0	0	0	1	0	1
	3	4	6	6	9	0	1	4	5	6	9	2	3	5
ADRENAL				X		X	Xm							
Hypertrophy, Diffuse					2									
BRAIN				X	X	X	X							
Dilatation, Ventricles														
Mineralization, Focal														
LIVER														
Hypertrophy, Muscularis, Artery, Focal														
Infiltration, Mononuclear Cell, Focal						1	1							
Mineralization, Focal				2	2	2								
Vacuolation, Centrilobular					3									
Vacuolation, Diffuse														
Vacuolation, Focal														
OVARY									X					
Degenerating Follicles	1	2			1			1	1		1	1	2	1
Increased Follicles	1	2	3	2		2	2		2		2	2		1
OVIDUCT														
Epithelial														
Hyperplasia/Hypertrophy	1	4	2	1	3	1	3	1	2	2	1	1	3	3
Glandular Atrophy														
Infiltration, Mononuclear Cell, Focal														
PINEAL GLAND				N	N	N	N							
PITUITARY				N	N	N	N							
THYROID				X	X	X								
Infiltration, Mononuclear Cell, Focal							1							
Mineralization, Focal														

## HISTOPATHOLOGY INCIDENCE TABLE

	GROUP PAFB-5					GROUP PBFA-2					GROUP PBFA-3				
WA 2-17 F1 Generation Sacrifice Female Japanese Quail															
A N I M A L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	5	5	5	5	5	5	5	5	4	4	4	4	4
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	2	0	0	0	0	1	1	5	5	0	0	1	1	2
	7	2	4	5	7	9	3	4	2	3	2	7	1	7	1
ADRENAL				m			Xm	X	X						
Hypertrophy, Diffuse			1	1	2	2				1					
BRAIN			X	X	X	X	X	X	X	X					
Dilatation, Ventricles															
Mineralization, Focal															
LIVER															
Hypertrophy, Muscularis, Artery, Focal															
Infiltration, Mononuclear Cell, Focal			1		1	1	1								
Mineralization, Focal			1	2	2	1		2	2						
Vacuolation, Centrilobular				2	2			4		2					
Vacuolation, Diffuse							1								
Vacuolation, Focal															
OVARY					X								X		
Degenerating Follicles	1		2	1		1		1	2	1	2		2		
Increased Follicles		1		1		2	2	2		1	1	1	2		2
OVIDUCT										X					
Epithelial															
Hyperplasia/Hypertrophy	2	1	2	3	1	1	2	4	1		2	1	2	2	2
Glandular Atrophy													1		
Infiltration, Mononuclear Cell, Focal			1												
PINEAL GLAND			N	N	N	N	N	N	N	N					
PITUITARY			N	N	N	N	N	N	N	N					
THYROID			X	X	Xm	X	X		X	X					
Infiltration, Mononuclear Cell, Focal								1							
Mineralization, Focal															

## HISTOPATHOLOGY INCIDENCE TABLE

	GROUP PBFA-4				GROUP PBFA-5				GROUP PBFB-2			
WA 2-17 F1 Generation Sacrifice Female Japanese Quail												
A N I M A L	1	1	1	1	1	1	1	1	1	1	1	1
	3	3	3	3	2	2	2	2	5	5	5	5
	-	-	-	-	-	-	-	-	-	-	-	-
	1	1	1	1	1	1	1	1	1	1	1	1
	0	1	1	3	0	0	1	1	0	0	1	1
	5	6	8	1	5	6	7	9	3	6	0	8
ADRENAL									X	X	X	X
Hypertrophy, Diffuse												
BRAIN									X	X	X	X
Dilatation, Ventricles												
Mineralization, Focal												2
LIVER												
Hypertrophy, Muscularis, Artery, Focal												
Infiltration, Mononuclear Cell, Focal									1		1	
Mineralization, Focal									1	1	2	1
Vacuolation, Centrilobular										1	4	4
Vacuolation, Diffuse												2
Vacuolation, Focal												
OVARY			X									X
Degenerating Follicles	1	2		1				1	1	1	1	1
Increased Follicles					2	1	2	2		2	1	
								1				2
OVIDUCT												
Epithelial												
Hyperplasia/Hypertrophy	2	1	2	2	1	1	1	2	1	1	2	1
Glandular Atrophy												1
Infiltration, Mononuclear Cell, Focal											1	
PINEAL GLAND									N	N	N	N
PITUITARY									N	N	N	N
THYROID									X	X	Xm	X
Infiltration, Mononuclear Cell, Focal												
Mineralization, Focal												1



## HISTOPATHOLOGY INCIDENCE TABLE

WA 2-17 F1 Generation Sacrifice Female Japanese Quail	A N I M A L	GROUP PBFB-3								GROUP PBFB-4				GROUP PBFB-5			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	2
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		0	0	1	1	1	1	2	2	0	1	2	2	0	2	2	2
		4	8	2	3	6	8	2	4	9	7	2	4	4	2	4	5
<b>OVARY</b>		X						N						X		X	
Degenerating Follicles			1	1	1	1	1	2	2	1	1	1	1			1	2
Increased Follicles				1	1	1	1	1	1	1	1	1	1	2			1
<b>OVIDUCT</b>																	
Epithelial																	
Hyperplasia/Hypertrophy		1	1	2	2	2	1	1	1	1	1	2	2	1	1	1	1
Glandular Atrophy																	
Infiltration, Mononuclear																	
Cell, Focal		1												1		1	