

Table 1. Details of dogs utilized in study

Identification	Breed	Age weeks	Histopath	EM	IHC	TUNEL & Caspase 3 (Frozen)	Caspase 3 Paraffin	Biochemistry
Affected (PDE6A-/-)								
03-087	Corgi	1	+					
03-209	Corgi	2	+					+
03-091	Corgi	2	+	+	+		+	
03-210	Corgi	2	+	+			+	+
03-211	Corgi	3	+	+				+
05-057	Corgi	3	+					
04-055	Corgi	3	+		+	+	+	
03-212	Corgi	4	+	+	+			
05-113	Beagle x Corgi	4	+	+	+	+		
05-111	Beagle x Corgi	4	+		+	+		
03-213	Corgi	4	+	+	+	+		
03-214	Corgi	4	+	+	+		+	
03-064	Corgi	4	+					+
06-005	Beagle x Corgi	5	+	+				
03-215	Corgi	5	+	+				
04-227	Corgi	5	+	+				
03-216	Corgi	6	+	+	+			+
03-217	Corgi	6	+	+	+			
04-099	Corgi	6	+				+	
03-210	Corgi	7	+					+
03-088	Corgi	7	+		+		+	
02-079	Corgi	7	+	+	+			
03-221	Corgi	8	+		+			
04-059	Corgi	8	+		+			
04-095	Corgi	8	+					
05-140	Corgi	8	+		+	+		
03-225	Corgi	8	+	+				+
03-043	Corgi	9	+		+			
03-090	Corgi	9	+	+			+	
02-078	Corgi	9	+	+				
03-089	Corgi	11	+	+				
04-062	Corgi	12	+					+
04-0-86	Corgi	12	+		+			
03-226	Corgi	16	+					
03-067	Corgi	16	+					
04-058	Corgi	16	+		+			
03-029	Corgi	18	+					

Identification	Breed	Age weeks	Histopath	EM	IHC	TUNEL & Caspase 3 (Frozen)	Caspase 3 Paraffin	Biochemistry
Carrier (PDE6A+/-)								
03-222	Corgi	1						+
06-006	Beagle x Corgi	2	+	+				
03-223	Corgi	2	+		+			
03-224	Corgi	2	+					
03-227	Corgi	2	+	+	+			
04-100	Corgi	3	+					
05-114	Beagle x Corgi	4	+	+		+		
05-112	Beagle x Corgi	4	+			+		
03-132	Beagle x Corgi	4	+					
05-137	Corgi	4	+	+		+		
04-085	Corgi	5	+		+			
03-126	Beagle x Corgi	5	+	+	+			
03-208	Corgi	5	+	+	+		+	
04-204	Beagle x Corgi	5	+	+				
02-077	Corgi	7	+					+
06-003	Beagle x Corgi	8	+					
02-166	Corgi	9	+		+		+	
04-161	Beagle x Corgi	9	+					
02-081	Corgi	9	+	+		+		+
04-163	Corgi	11	+					
02-167	Corgi	12	+					
Normal (PDE6A+/+)								
F668	Mixed	2	+		+		+	
03-085	Mixed	3	+		+			
F667	Mixed	3	+	+	+			
04-103	Corgi	3	+				+	+
03-102	Beagle x Corgi	3	+					
04-201	Beagle x Corgi	5	+	+		+	+	
04-105	Corgi	5	+	+				
03-082	Mixed	5	+	+				
04-202	Beagle x Corgi	7	+		+			
04-203	Mixed	7	+		+			
04-205	Mixed	7	+					
04-088	Corgi	7	+	+	+		+	
02-168	Beagle x Corgi	8	+		+			
03-103	Beagle x Corgi	8	+				+	
03-206	Corgi	8	+	+	+			+
03-057	Beagle x Corgi	10	+					
04-207	Beagle x Corgi	12	+					+
02-154	Beagle x Corgi	12	+					+
02-153	Mixed	16	+		+			
04-208	Beagle x Corgi	16	+					
03-207	Corgi	16	+					