Welcome,
Dana Logan
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Canine HealthCheck+

Demographic Information

Call Name:	Max	DOB:		May 29, 2004	
Registered Name:	Pecos's Kris Max	Registration Number:			
Breed:	Australian Shepherd	Submitted Tattoo:		PA00001779007	
Sex:	Male (Castrated)	Microchip:			
Owner:	Dana Logan	Laboratory Report Date:		March 15, 2014	

These tests were developed and performed by Pet First GenetiCoR, Lincoln, NE.

Explanation of Results

Normal	A normal result should mean that your dog does not have the mutation that causes the associated genetic disease.
Carrier	A carrier result indicates that your dog has the genetic mutation that is one of the mutations that have been reported to cause the associated genetic disease. Because the result is heterozygous, your dog will not express the mutation and usually function in a manner
At Risk (Affected)	A result of at risk means that your dog has inherited one copy of the mutation that has been reported to cause the associated genetic disease. Because the result is homozygous, your dog will express the mutation and usually exhibit the clinical signs of the associated genetic disease. Depending on the mutation, your dog may also be a carrier for other mutations that have been reported to cause the associated genetic disease.
No Result	No Result means that we have not yet been able to obtain a genotype for your dog. Reasons for this may include: the sample we received was not of sufficient quantity or quality to perform the test, the sample we received was not from a canine, or the sample we received was not from a breed for which we have developed a genetic test. Unique genetic variations in the genetic code of some individuals may also prevent a genetic test from working as intended. Although we have 99% confidence in our genetic tests, we do not guarantee the accuracy of our results.

Please contact our Testing Center and Clinicians regarding your results.

Report Type: Full Report Genotype Report Genetic Report Help

Breed Specific	Breed Specific	Breed Specific	Breed Specific
Breed Specific	Breed Specific	Breed Specific	Breed Specific

Breed Profile

Disease Name	Genotype	Interpretation
Craniomandibular Osteopathy	CMO/WT	Carrier (Male)
Canine Degenerative Cervical Myelopathy	WT/WT	Normal
Congenital Hypothyroid, Dysplastic Goiter, Nonfunctional	WT/WT	Normal
Cystinuria Type 2	WT/WT	Normal
Dermatomyositis	WT/WT	Normal
Dermoid Sinus	WT/WT	Normal
Epilepsy	WT/WT	Normal
Epilepsy	WT/WT	Normal
Epilepsy

Neonatal Ataxia	WT/WT	Normal (Clear)
Neonatal Cerebellar Cortical Degeneration	WT/WT	Normal (Clear)
Neonatal Encephalopathy with Seizures	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Giant Schnauzer Type)	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Papillon Type)	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Rottweiler Type)	WT/WT	Normal (Clear)
Neuroaxonal Dystrophy (Spanish Water Dog Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis (Tibetan Terrier Type)	WT/M	Carrier
Neuronal Ceroid Lipofuscinosis 1 (Cane Corso Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 1	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 10	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 12	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 2	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 4A	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 5 (Golden Retriever Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 5 (Herding Dog Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 6	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 7	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 8 (Australian Shepherd Type)	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 8 (Setter Type)	WT/WT	Normal (Clear)
Nonsyndromic Hearing Loss (Rottweiler Type)	WT/WT	Normal (Clear)
Oculocutaneous Albinism (Doberman Pinscher Type)	WT/WT	Normal (Clear)
Oculocutaneous Albinism (Small Breed Type)	WT/WT	Normal (Clear)
Osteochondrodysplasia	WT/WT	Normal (Clear)
Osteogenesis Imperfecta (Beagle Type)	WT/WT	Normal (Clear)
Osteogenesis Imperfecta (Dachshund Type)	WT/WT	Normal (Clear)
Osteogenesis Imperfecta (Golden Retriever Type)	WT/WT	Normal (Clear)
P2RY12 Receptor Platelet Disorder	WT/WT	Normal (Clear)
Pancreatitis (Miniature Schnauzer Type Risk Factor)	WT/M	Carrier (No increased risk)

Pancreatitis (Miniature Schnauzer Type Risk Factor), Variant 1	0	
Pancreatitis (Miniature Schnauzer Type Risk Factor), Variant 2	1	
Pancreatitis (Miniature Schnauzer Type Risk Factor), Variant 3	1	

Pembroke Welsh Corgi Duchenne Muscular Dystrophy	WT/WT	X-Linked Female Normal
Persistent Müllerian Duct Syndrome	WT/WT	Normal (Clear)
Pituitary Dwarfism (Shepherd Type)	WT/WT	Normal (Clear)
Polyneuropathy (Leonberger Type 1)	WT/WT	Normal (Clear)
Polyneuropathy (Leonberger Type 2)	WT/WT	Normal (Clear)
Polyneuropathy with Ocular Abnormalities and Neuronal Vacuolation	WT/WT	Normal (Clear)
Pompe Disease	WT/WT	Normal (Clear)
Prekallikrein Deficiency	WT/WT	Normal (Clear)
Primary Ciliary Dyskinesia (Alaskan Malamute Type)	WT/WT	Normal (Clear)
Primary Ciliary Dyskinesia (Old English Sheepdog Type)	WT/WT	Normal (Clear)
Primary Hyperoxaluria	WT/WT	Normal (Clear)
Primary Lens Luxation	WT/WT	Normal (Clear)
Primary Open Angle Glaucoma (Basset Fauve de Bretagne Type)	WT/WT	Normal (Clear)
Primary Open Angle Glaucoma (Basset Hound Type)	WT/WT	Normal (Clear)
Primary Open Angle Glaucoma	WT/WT	Normal (Clear)
Primary Open Angle Glaucoma (Norwegian Elkhound Type)	WT/WT	Normal (Clear)
Primary Open Angle Glaucoma and Primary Lens Luxation (Shar Pei Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy (Basenji Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy (Bullmastiff/Mastiff Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy (Giant Schnauzer Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy (Irish Setter Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy (Shetland Sheepdog Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy (Sloughi Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy (Dachshund Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (American Staffordshire Terrier Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (American Staffordshire Terrier Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 3 (Glen of Imaal Terrier Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Cone-Rod Dystrophy 4	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Early Onset (Spanish Water Dog Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Early-Onset (Portuguese Water Dog Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Generalized (Schapendoes Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Golden Retriever 1	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Golden Retriever 2	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Late-Onset (Lapponian Herder Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, PRA1 (Papillon Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, PRA3 (Tibetan Terrier and Spaniel Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration (prcd)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Rod-Cone Dysplasia 3	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Rod-Cone Dysplasia 4	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Syndromic Retinal Degeneration (Shetland Sheepdog Type)	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, X-Linked 1 (Husky Type)	WT/WT	X-Linked Female Normal
Progressive Retinal Atrophy, X-linked 2	WT/WT	X-Linked Female Normal
Protein Losing Nephropathy	WT/WT, WT/WT	Normal (Clear) - No Increased Risk

Protein Losing Nephropathy (Variant 1)	0	
Protein Losing Nephropathy (Variant 2)	0	

Pyruvate Dehydrogenase Deficiency	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Basenji Type)	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Beagle Type)	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Labrador Retriever Type)	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Pug Type)	WT/WT	Normal (Clear)
Pyruvate Kinase Deficiency (Terrier Type)	WT/WT	Normal (Clear)
Recurrent Inflammatory Pulmonary Disease	WT/WT	Normal (Clear)
Renal Cystadenocarcinoma and Nodular Dermatofibrosis	WT/WT	Normal (Clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 1	WT/WT	Normal (Clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 2	WT/WT	Normal (Clear)
Sensory Neuropathy (Border Collie Type)	WT/WT	Normal (Clear)
Severe Combined Immunodeficiency Disease (Terrier Type)	WT/WT	Normal (Clear)
Severe Combined Immunodeficiency Disease (Wetterhoun Type)	WT/WT	Normal (Clear)
Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound Type)	WT/WT	X-Linked Female Normal
Severe Combined Immunodeficiency Disease, X-Linked (Corgi Type)	WT/WT	X-Linked Female Normal
Shar-Pei Autoinflammatory Disease	WT/WT	Normal (Clear)
Skeletal Dysplasia 2	WT/WT	Normal (Clear)
Spinal Dysraphism	WT/WT	Normal (Clear)
Spinocerebellar Ataxia (Alpine Dachsbrake Type)	WT/WT	Normal (Clear)
Spinocerebellar Ataxia (Terrier Type)	WT/WT	Normal (Clear)
Spondylocostal Dysostosis	WT/WT	Normal (Clear)
Stargardt Disease	WT/WT	Normal (Clear)
Startle Disease	WT/WT	Normal (Clear)
Subacute Necrotizing Encephalopathy (Yorkshire Terrier Type)	WT/WT	Normal (Clear)
Thrombopathia (American Eskimo Dog Type)	WT/WT	Normal (Clear)
Thrombopathia (Basset Hound Type)	WT/WT	Normal (Clear)
Thrombopathia (Newfoundland Type)	WT/WT	Normal (Clear)
Trapped Neutrophil Syndrome	WT/WT	Normal (Clear)
Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 1)	WT/WT	Normal (Clear)
Ullrich Congenital Muscular Dystrophy (Labrador Retriever Type 2)	WT/WT	Normal (Clear)
Urolithiasis (Native American Indian Dog Type)	WT/WT	Normal (Clear)
Van Den Ende-Gupta Syndrome	WT/WT	Normal (Clear)
Von Willebrand Disease I	WT/WT	Normal (Clear)
Von Willebrand Disease II	WT/WT	Normal (Clear)
Von Willebrand Disease III (Kooikerhondje Type)	WT/WT	Normal (Clear)
Von Willebrand Disease III (Scottish Terrier Type)	WT/WT	Normal (Clear)
Von Willebrand Disease III (Shetland Sheepdog Type)	WT/WT	Normal (Clear)

WT: **wild type (normal)** M: **mutant** Y: **Y chromosome (male)**

Canine HealthCheck® is a product of Paw Print Genetics®. This test was developed and its performance determined by Paw Print Genetics. This laboratory has established and verified the test's accuracy and precision with >99% sensitivity and specificity. The results included in this report relate only to the items tested using the sample provided. The presence of mosaicism may not be detected by this test. Non-paternity may lead to unexpected results. This is not a diagnostic test. This is not a breed identification test. Because all tests are DNA-based, rare genomic variations may interfere with the performance of some individual tests producing false results. If you think any results are in error, please contact the laboratory for further evaluation.

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The Canine HealthCheck® is a screen of >225 genes that cause diseases or traits in dogs. This is not a diagnostic test. Any abnormal results (carrier or affected), or any results that concern you, should be confirmed using a diagnostic test. Diagnostic testing is available from Paw Print Genetics® and in many cases, can be performed using existing DNA from the Canine HealthCheck.

The Canine HealthCheck is not a breed identification test.