Canine HealthCheck

Results for Retta

Retta's demographic profile:

Call Name:	Retta	**Owner:**	Natalie Freeman
Registered Name:	Copper Sky Low Retta Lynn	**Registration #:**	-
Breed:	Australian Shepherd	**Microchip/Tattoo:**	-
Sex:	Female	**Kit #:**	22352
Approx. DOB:	December, 2017	**Report Date:**	December 19, 2018

Retta's genetic health profile:

- ✔ **Retta is a carrier for the following 1 disease:**
  - Hyperuricosuria
- ✔ **Retta had a normal result for all other diseases tested**

Retta's appearance profile:

- ✔ Retta is a **Female**
- ✔ Retta's coat is likely **Straight, Long** and **Black or Brown with tan points** in color
- ✔ Retta's face likely **Has No Mask on the Muzzle** and a **Black or Brown** nose
- ✔ Retta's tail is likely **Normal** in length

These tests were developed and performed by Paw Print Genetics®, Spokane WA.

Explanation of Results

Normal A "normal" result means that your dog does not have the mutation that causes the associated genetic disease.

Carrier A "carrier" result indicates that your dog has inherited one copy of the mutation that has been reported to cause this genetic disease. Your dog may not be clinically affected by this mutation because two copies of the mutation are usually required to cause disease.

At-Risk An "at-risk" result indicates that your dog may have inherited one or two copies of the mutation that has been reported to cause this genetic disease. Depending on the mode of genetic inheritance for this particular disease, inheriting one **or** two mutant copies of the gene may result in the disease. *You may want to consider ordering follow-up testing to confirm the results of this initial screen for any dog that is "at-risk" for a disease.*

Failed A "failed" result indicates that we were unable to obtain a genotype for your dog for this specific disease or trait and does not mean that your dog is a carrier or at-risk for this disease. There are a variety of reasons why a specific test may fail. However, we promise to provide at least 150 results to you for your dog.

Please review our testing terms and disclaimers regarding your results.

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Blood and Clotting

Coagulation factor VII deficiency	Normal
Elliptocytosis	Normal
Glanzmann's thrombasthenia (Great Pyrenees type)	Normal
Glanzmann's thrombasthenia (Otterhound type)	Normal
Glycogen storage disease VII (Wachtelhund type)	Normal
Hemophilia A (Boxer type)	Normal
Hemophilia A (German Shepherd Dog, type 1)	Normal
Hemophilia A (German Shepherd Dog, type 2)	Normal
Hemophilia B (Cairn Terrier type)	Normal
Hemophilia B (Lhasa Apso type)	Normal
Hemophilia B (Rhodesian Ridgeback type)	Normal
Leukocyte adhesion deficiency, type III	Normal
May-Hegglin anomaly	Normal
P2RY12 receptor platelet disorder	Normal
Prekallikrein deficiency	Normal
Pyruvate kinase deficiency (Basenji type)	Normal
Pyruvate kinase deficiency (Beagle type)	Normal
Pyruvate kinase deficiency (Labrador Retriever type)	Normal
Pyruvate kinase deficiency (Pug type)	Normal
Pyruvate kinase deficiency (Terrier type)	Normal
Thrombopathia (American Eskimo Dog type)	Normal
Thrombopathia (Basset Hound type)	Normal
Thrombopathia (Newfoundland type)	Normal
Von Willebrand disease I	Normal
Von Willebrand disease II	Failed
Von Willebrand disease III (Kooikerhondje type)	Normal
Von Willebrand disease III (Scottish Terrier type)	Normal

Cancer

Renal cystadenocarcinoma and nodular dermatofibrosis	Normal

Dental

Amelogenesis imperfecta	Normal

Drug Metabolism

Multidrug resistance 1	Normal

Eyes

Collie eye anomaly	Normal
Cone degeneration	Normal
Cone degeneration (German Shorthaired Pointer type)	Normal
Congenital stationary night blindness	Normal
Dry eye curly coat syndrome	Normal
Early retinal degeneration	Normal
GM1 Gangliosidosis (Alaskan Husky type)	Normal
GM1 Gangliosidosis (Portuguese Water Dog type)	Normal
GM1 Gangliosidosis (Shiba Inu type)	Normal
GM2 Gangliosidosis (Poodle type)	Normal
Hereditary cataracts	Normal
Hereditary cataracts (Australian Shepherd type)	Normal
Juvenile Laryngeal Paralysis and Polyneuropathy	Normal
Multifocal retinopathy 1	Normal
Multifocal retinopathy 2	Normal
Multifocal retinopathy 3	Normal
Primary lens luxation	Normal
Primary open angle glaucoma	Normal
Progressive retinal atrophy (Basenji type)	Normal
Progressive retinal atrophy (Bullmastiff/Mastiff type)	Normal
Progressive retinal atrophy (Irish Setter type)	Normal
Progressive retinal atrophy (Sloughi type)	Normal
Progressive retinal atrophy, Cone-rod dystrophy 1	Normal
Progressive retinal atrophy, Cone-rod dystrophy 3	Normal
Progressive retinal atrophy, Golden Retriever 1	Normal
Progressive retinal atrophy, Golden Retriever 2	Normal
Progressive retinal atrophy, PRA1 (Papillon type)	Normal
Progressive retinal atrophy, Progressive rod-cone degeneration	Normal
Progressive retinal atrophy, Rod-cone dysplasia 3	Normal
Progressive retinal atrophy, generalized	Normal

Heart

Dilated cardiomyopathy	Failed

Immune System

Complement 3 deficiency	Normal
Leukocyte adhesion deficiency, type I	Normal
Leukocyte adhesion deficiency, type III	Normal
Primary ciliary dyskinesia	Normal
Severe combined immunodeficiency disease (Terrier type)	Normal
Severe combined immunodeficiency disease (Wetterhoun type)	Normal
Severe combined immunodeficiency disease, X-linked (Basset Hound type)	Normal
Severe combined immunodeficiency disease, X-linked (Corgi type)	Normal
Trapped neutrophil syndrome	Normal

Liver/Gastrointestinal

Gallbladder mucoceles	Normal
Glycogen storage disease IIIa	Normal
Intestinal cobalamin malabsorption (Beagle type)	Normal
Intestinal cobalamin malabsorption (Border Collie type)	Normal

Metabolic

Adult-onset neuronal ceroid lipofuscinosis	Normal
GM1 Gangliosidosis (Alaskan Husky type)	Normal
GM1 Gangliosidosis (Portuguese Water Dog type)	Normal
GM1 Gangliosidosis (Shiba Inu type)	Normal
GM2 Gangliosidosis (Japanese Chin type)	Normal
GM2 Gangliosidosis (Poodle type)	Normal
Globoid cell leukodystrophy (Irish Setter type)	Normal
Globoid cell leukodystrophy (Terrier type)	Normal
Glycogen storage disease IIIa	Normal
Glycogen storage disease Ia	Normal
Glycogen storage disease VII (Wachtelhund type)	Normal
Intestinal cobalamin malabsorption (Beagle type)	Normal
Intestinal cobalamin malabsorption (Border Collie type)	Normal
L-2-hydroxyglutaric aciduria (Staffordshire Bull Terrier type)	Normal
Mucopolysaccharidosis I	Normal
Mucopolysaccharidosis IIIA (Dachshund type)	Normal
Mucopolysaccharidosis IIIA (New Zealand Huntaway type)	Normal
Mucopolysaccharidosis VII (Shepherd type)	Normal
Neuronal ceroid lipofuscinosis 1	Normal
Neuronal ceroid lipofuscinosis 10	Normal
Neuronal ceroid lipofuscinosis 2	Normal
Neuronal ceroid lipofuscinosis 4A	Normal
Neuronal ceroid lipofuscinosis 5	Normal
Neuronal ceroid lipofuscinosis 6	Normal
Neuronal ceroid lipofuscinosis 8 (Australian Shepherd type)	Normal
Neuronal ceroid lipofuscinosis 8 (Setter type)	Normal
Pompe disease	Normal
Pyruvate dehydrogenase deficiency	Normal
Pyruvate kinase deficiency (Basenji type)	Normal
Pyruvate kinase deficiency (Beagle type)	Normal
Pyruvate kinase deficiency (Labrador Retriever type)	Normal
Pyruvate kinase deficiency (Pug type)	Normal
Pyruvate kinase deficiency (Terrier type)	Normal

Midline Defect

Juvenile Laryngeal Paralysis and Polyneuropathy	Normal

Spinal dysraphism (Weimaraner type)	Normal

Musculoskeletal

Adult-onset neuronal ceroid lipofuscinosis	Normal
Alaskan Malamute polyneuropathy	Normal
Chondrodysplasia (Karelian Bear Dog and Norwegian Elkhound type)	Normal
Congenital myasthenic syndrome (Labrador Retriever type)	Normal
Congenital myasthenic syndrome (Old Danish Pointer type)	Normal
Degenerative myelopathy	Normal
Exercise-induced collapse	Normal
GM1 Gangliosidosis (Alaskan Husky type)	Normal
GM1 Gangliosidosis (Portuguese Water Dog type)	Normal
GM1 Gangliosidosis (Shiba Inu type)	Normal
Glycogen storage disease IIIa	Normal
Glycogen storage disease VII (Wachtelhund type)	Normal
Greyhound polyneuropathy	Normal
Inherited myopathy of Great Danes	Normal
Juvenile Laryngeal Paralysis and Polyneuropathy	Normal
Mucopolysaccharidosis I	Normal
Mucopolysaccharidosis VII (Shepherd type)	Normal
Muscular Dystrophy (Golden Retriever Type)	Normal
Myostatin deficiency (Whippet and Longhaired Whippet type)	Normal
Myotonia congenita (Australian Cattle Dog type)	Normal
Myotonia congenita (Schnauzer type)	Normal
Myotubular myopathy 1	Normal
Osteogenesis imperfecta (Beagle type)	Normal
Osteogenesis imperfecta (Golden Retriever type)	Normal
Polyneuropathy (Leonberger and Saint Bernard type)	Normal
Pompe disease	Normal
Skeletal dysplasia 2	Normal
Vitamin D dependent rickets, type II (Pomeranian type)	Normal

Neurologic

Adult-onset neuronal ceroid lipofuscinosis	Normal
Alaskan Husky encephalopathy	Normal
Alaskan Malamute polyneuropathy	Normal
Benign familial juvenile epilepsy	Normal
Canine multiple system degeneration (Chinese Crested type)	Normal
Canine multiple system degeneration (Kerry Blue Terrier type)	Normal
Cerebellar ataxia (Finnish Hound type)	Normal
Congenital myasthenic syndrome (Labrador Retriever type)	Normal
Congenital myasthenic syndrome (Old Danish Pointer type)	Normal
Degenerative myelopathy	Normal
Exercise-induced collapse	Normal
GM1 Gangliosidosis (Alaskan Husky type)	Normal

GM1 Gangliosidosis (Portuguese Water Dog type)	Normal
GM1 Gangliosidosis (Shiba Inu type)	Normal
GM2 Gangliosidosis (Japanese Chin type)	Normal
GM2 Gangliosidosis (Poodle type)	Normal
Globoid cell leukodystrophy (Irish Setter type)	Normal
Globoid cell leukodystrophy (Terrier type)	Normal
Greyhound polyneuropathy	Normal
Juvenile Laryngeal Paralysis and Polyneuropathy	Normal
L-2-hydroxyglutaric aciduria (Staffordshire Bull Terrier type)	Normal
Late onset ataxia	Normal
Mucopolysaccharidosis I	Normal
Mucopolysaccharidosis IIIA (Dachshund type)	Normal
Mucopolysaccharidosis IIIA (New Zealand Huntaway type)	Normal
Myotonia congenita (Australian Cattle Dog type)	Normal
Myotonia congenita (Schnauzer type)	Normal
Narcolepsy (Dachshund type)	Normal
Narcolepsy (Doberman Pinscher type)	Normal
Narcolepsy (Labrador Retriever type)	Normal
Neonatal cerebellar cortical degeneration	Normal
Neonatal encephalopathy with seizures	Normal
Neuronal ceroid lipofuscinosis 1	Normal
Neuronal ceroid lipofuscinosis 10	Normal
Neuronal ceroid lipofuscinosis 2	Normal
Neuronal ceroid lipofuscinosis 4A	Normal
Neuronal ceroid lipofuscinosis 5	Normal
Neuronal ceroid lipofuscinosis 6	Normal
Neuronal ceroid lipofuscinosis 8 (Australian Shepherd type)	Normal
Neuronal ceroid lipofuscinosis 8 (Setter type)	Normal
Polyneuropathy (Leonberger and Saint Bernard type)	Normal
Sensory ataxic neuropathy	Normal
Spinocerebellar ataxia	Normal
Startle disease	Normal

Neuromuscular

Globoid cell leukodystrophy (Irish Setter type)	Normal
Globoid cell leukodystrophy (Terrier type)	Normal

Reproduction

Primary ciliary dyskinesia	Normal

Respiratory

Primary ciliary dyskinesia	Normal

The results below have been filtered and are specific for the following categories:

Breeds:	Symptoms:	Body System:
Australian Shepherd	All	All

Drug Metabolism

Multidrug resistance 1	Normal

Eyes

Collie eye anomaly	Normal
Cone degeneration	Normal
Hereditary cataracts	Normal
Hereditary cataracts (Australian Shepherd type)	Normal
Multifocal retinopathy 1	Normal
Progressive retinal atrophy, Progressive rod-cone degeneration	Normal

Liver/Gastrointestinal

Intestinal cobalamin malabsorption (Border Collie type)	Normal

Metabolic

Intestinal cobalamin malabsorption (Border Collie type)	Normal
Neuronal ceroid lipofuscinosis 6	Normal
Neuronal ceroid lipofuscinosis 8 (Australian Shepherd type)	Normal

Musculoskeletal

Degenerative myelopathy	Normal

Neurologic

Degenerative myelopathy	Normal
Neuronal ceroid lipofuscinosis 6	Normal
Neuronal ceroid lipofuscinosis 8 (Australian Shepherd type)	Normal

Urinary Tract

Hyperuricosuria	Carrier

Skin and Hair

Anhidrotic ectodermal dysplasia	Normal
Dry eye curly coat syndrome	Normal
Dystrophic epidermolysis bullosa	Normal
Ectodermal dysplasia	Normal
Epidermolytic hyperkeratosis	Normal
Hereditary footpad hyperkeratosis (Irish Terrier and Kromfohrländer type)	Normal
Hereditary nasal parakeratosis	Normal
Ichthyosis (Golden Retriever type)	Normal
Renal cystadenocarcinoma and nodular dermatofibrosis	Normal

Urinary Tract

Cystinuria (Australian Cattle Dog type)	Normal
Cystinuria (Miniature Pinscher type)	Normal
Cystinuria (Newfoundland type)	Normal
Familial nephropathy (Cocker Spaniel type)	Normal
Familial nephropathy (English Springer Spaniel type)	Normal
Hereditary nephritis (Samoyed type)	Normal
Hyperuricosuria	Carrier
Persistent Müllerian duct syndrome	Normal
Primary ciliary dyskinesia	Normal
Primary hyperoxaluria	Normal
Renal cystadenocarcinoma and nodular dermatofibrosis	Normal