



Customer & Pet Information

Call Name	Faith	DOB	Dec. 18, 2018
Registered Name	NE3D Faith Walks With Me	Registration #	E211294
Breed	Australian Shepherd	Tattoo	-
Sex	Female	Microchip	990000001902484
Ordered By	Deena Braun	Laboratory #	414000
		Report Date	June 19, 2024

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

Breed Profile

Disease Name	Genotype	Interpretation
Coagulation Factor VII Deficiency	WT/WT	<input type="radio"/> Normal (Clear)
Collie Eye Anomaly	WT/WT	<input type="radio"/> Normal (Clear)
Cone Degeneration	WT/WT	<input type="radio"/> Normal (Clear)
Degenerative Myelopathy (Common Variant)	WT/WT	<input type="radio"/> Normal (Clear)
Exercise-Induced Collapse	WT/WT	<input type="radio"/> Normal (Clear)
Hereditary Cataracts (Australian Shepherd Type)	WT/WT	<input type="radio"/> Normal (Clear)
Hyperuricosuria	WT/WT	<input type="radio"/> Normal (Clear)
Intestinal Cobalamin Malabsorption (Border Collie Type)	WT/WT	<input type="radio"/> Normal (Clear)
Multidrug Resistance 1	WT/WT	<input type="radio"/> Normal (Clear)
Multifocal Retinopathy 1	WT/WT	<input type="radio"/> Normal (Clear)
Neuronal Ceroid Lipofuscinosis 5 (Herding Dog Type)	WT/WT	<input type="radio"/> Normal (Clear)
Neuronal Ceroid Lipofuscinosis 6	WT/WT	<input type="radio"/> Normal (Clear)
Neuronal Ceroid Lipofuscinosis 8 (Australian Shepherd Type)	WT/WT	<input type="radio"/> Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration (prcd)	WT/WT	<input type="radio"/> Normal (Clear)
Von Willebrand Disease I	WT/WT	<input type="radio"/> Normal (Clear)

Coat Colors & Traits

Trait Name	Genotype	Interpretation
A Locus (Agouti)	a^t/a^t	Tricolor, black and tan
B Locus (Brown) - b^a, b^c, b^d, b^s	B/b	Black coat, nose and foot pads (carries brown)
B Locus (Brown) - b^a	0	
B Locus (Brown) - b^c	0	
B Locus (Brown) - b^d	0	
B Locus (Brown) - b^s	1	
Brachycephaly	BR/BR	Likely medium to long muzzle
Co Locus (Cocoa, French Bulldog Type)	CO/CO	Black coat, nose and foot pads (does not carry cocoa)
Cu Locus (Curly Hair)	Cu/Cu	Straight coat
D Locus (Dilute) - d^1, d^2	D/D	Non dilute
D Locus (Dilute) - d^1	0	
D Locus (Dilute) - d^2	0	
E Locus (Yellow/Red)	E/E	Black
E^g Locus (Grizzle, Afghan Hound Type)	N/N	No grizzle
E^m Locus (Melanistic Mask)	E^m/N	Melanistic mask (carrier)
H Locus (Harlequin, Great Dane Type)	h/h	No harlequin
K Locus (Dominant Black)	k^Y/k^Y	Agouti expression allowed
L Locus (Long Hair/Fluffy) - Lh^1, Lh^2	Lh/Lh	Longhaired

L Locus (Long Hair/Fluffy) - Lh ¹	2	
L Locus (Long Hair/Fluffy) - Lh ²	0	

Polydactyly (Common Variant)	pd/pd	Normal (typical) toes (likely no hind dewclaws)
SD Locus (Shedding)	SD/SD	High shedding
Sex Determination	X/X	Female
T Locus (Natural Bobtail)	t/t	Normal tail

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Determinants of coat colors and traits are complex. Many of these variants are known and many of the genes screened in the Canine HealthCheck interact. In addition, not all the genetic factors that contribute to a dog's coat color and traits are known. Because of the complexities in gene-gene interactions, the coat colors and traits reported in your Canine HealthCheck results may vary from your dog's actual appearance. Individual differences in genes throughout the canine genome, not tested in this genetic screen, may also affect the final coat color or traits seen in your dog.

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.
Carrier / At-Risk	A 'Carrier / At-Risk' result indicates that your dog inherited one copy of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one mutant copy of the gene may result in the disease. Dogs with one copy of the mutation may have a milder phenotype as compared to dogs with two copies of this mutation.
At-Risk / Affected	An 'At-Risk / Affected' result indicates that your dog inherited one or two copies of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one or two mutant copies of the gene may result in the disease.

No Result

'No 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 not provide a reportable result. Unique variations in the genetic code of some individuals may exist and cause certain regions of the genome to not perform properly with a specific test. In addition, suboptimal sampling of the dog's cheek cells could also result in poor sample performance due to inadequate cell counts, bacterial and fungal growth, or the presence of other test inhibitors. Dogs with at least 90% of the test results are determined to be acceptable and reportable. If your dog has an unacceptable level of tests with no results, you will be contacted for a new sample to repeat the testing.

Please review our testing terms and disclaimers regarding your results.