

Breed Profile

Disease Name

Geno.

Interpretation

Congenital Methemoglobinemia

WT/WT

Normal (Clear)

Degenerative Myelopathy

WT/WT

Normal (Clear)

Degenerative Myelopathy (Bernese Mountain Dog Variant)

0

Degenerative Myelopathy (Common Variant)

0

Ehlers-Danlos Syndrome

WT/WT

Normal (Clear)

Ehlers-Danlos Syndrome (Variant 1)

0

Ehlers-Danlos Syndrome (Variant 2)

0

GM2 Gangliosidosis (Poodle Type)

WT/WT

Normal (Clear)

Hereditary Cataracts

WT/WT

Normal (Clear)

Intervertebral Disc Disease Risk Factor and Chondrodystrophy (CDDY)

WT/WT

Normal (Clear)

Ehlers-Danlos
Syndrome (Variant 1)

0

Ehlers-Danlos
Syndrome (Variant 2)

0

GM2 Gangliosidosis (Poodle
Type)

WT/WT

Normal (Clear)

Hereditary Cataracts

WT/WT

Normal (Clear)

Intervertebral Disc Disease
Risk Factor and
Chondrodystrophy (CDDY
with IVDD)

WT/WT

Normal (Clear)

Multidrug Resistance 1

WT/WT

Normal (Clear)

Neonatal Encephalopathy
with Seizures

WT/WT

Normal (Clear)

Osteochondrodysplasia

WT/WT

Normal (Clear)

Progressive Retinal Atrophy,
Progressive Rod-Cone
Degeneration (prcd)

WT/WT

Normal (Clear)

Progressive Retinal Atrophy,
Rod-Cone Dysplasia 4

WT/WT

Normal (Clear)

Von Willebrand Disease I

WT/WT

Normal (Clear)

Coat Colors & Traits

Trait Name	Geno.	Interpretation
A Locus (Agouti)	a ^t /a ^t	Tricolor, black and tan
A^s Locus (Saddle Tan)	N/N	No saddle tan/creeping tan
B Locus (Brown)	B/B	Black coat, nose and foot pads (does not carry brown)
B Locus (Brown) - b^a B Locus (Brown) - b^c B Locus (Brown) - b^d B Locus (Brown) - b^h B Locus (Brown) - b^e B Locus (Brown) - b^s	0 0 0 0 0 0	
Brachycephaly	BR/BR	Likely medium to long muzzle
Chondrodysplasia (CDPA)	cd/cd	Likely typical leg length
Co Locus (Cocoa, French Bulldog Type)	CO/CO	Black coat, nose and foot pads (does not carry cocoa)
Cu Locus (Curly Hair)	Cu ^c /Cu ^c	Curly coat
D Locus (Dilute)	D/D	Non-dilute (does not carry dilute)
D Locus (Dilute) - d¹ D Locus (Dilute) - d² D Locus (Dilute) - d³	0 0 0	
E Locus	e ¹ /e ¹	Yellow/Red
E Locus - E^m (Melanistic Mask) E Locus - E^g (Grizzle, Afghan Hound Type) E Locus - E^h (Sable, Cocker Spaniel Type) E Locus - e^A (Ancient Red, Spitz and Scent Hound Type) E Locus - e¹ (Yellow/Red) E Locus - e² (Cream, Australian Cattle Dog Type) E Locus - e³ (White, Alaskan and Siberian Husky Type)	0 0 0 0 2 0 0	
H Locus (Harlequin, Great Dane Type)	h/h	No harlequin
Hairlessness	Rh/Rh	Coated
Hairlessness (American Hairless Terrier Type) - rh¹ Hairlessness (Scottish Deerhound Type) - rh²	0 0	
Hr Locus (FOXI3 Hairless Gene Test, Mexican Hairless, Peruvian Hairless and Chinese Crested Type)	hr/hr	Coated
I Locus (Intensity)	I/i	Normal intensity (carrier)
IC Locus (Improper Coat/Furnishings)	F/F	Furnishings
K Locus (Dominant Black)	K ^B /K ^B	No agouti expression allowed
L Locus (Long Hair/Fluffy)	Lh ¹ /Lh ¹	Longhaired (carrier) two copies of long hair



E Locus	e¹/e¹	Yellow/Red
<ul style="list-style-type: none"> E Locus - E^m (Melanistic Mask) E Locus - E^g (Grizzle, Afghan Hound Type) E Locus - E^h (Sable, Cocker Spaniel Type) E Locus - e^A (Ancient Red, Spitz and Scent Hound Type) E Locus - e¹ (Yellow/Red) E Locus - e² (Cream, Australian Cattle Dog Type) E Locus - e³ (White, Alaskan and Siberian Husky Type) 	<ul style="list-style-type: none"> 0 0 0 0 2 0 0 	
H Locus (Harlequin, Great Dane Type)	h/h	No harlequin
Hairlessness	Rh/Rh	Coated
<ul style="list-style-type: none"> Hairlessness (American Hairless Terrier Type) - rh¹ Hairlessness (Scottish Deerhound Type) - rh² 	<ul style="list-style-type: none"> 0 0 	
Hr Locus (FOXI3 Hairless Gene Test, Mexican Hairless, Peruvian Hairless and Chinese Crested Type)	hr/hr	Coated
I Locus (Intensity)	I/i	Normal intensity (carrier)
IC Locus (Improper Coat/Furnishings)	F/F	Furnishings
K Locus (Dominant Black)	K^B/K^B	No agouti expression allowed
L Locus (Long Hair/Fluffy)	Lh¹/Lh¹	Longhaired (carries two copies of long hair)
<ul style="list-style-type: none"> L Locus (Long Hair/Fluffy) - Lh¹ L Locus (Long Hair/Fluffy) - Lh² L Locus (Long Hair/Fluffy) - Lh³ L Locus (Long Hair/Fluffy) - Lh⁴ 	<ul style="list-style-type: none"> 2 0 0 0 	
M Locus (Merle)	m/m	Non merle
Polydactyly (Common Variant)	pd/pd	Normal (typical) toes (likely no hind dewclaws)
Polydactyly (Great Pyrenees Type)	WT/WT	Normal (Clear)
R Locus (Roan/Ticked)	r/r	No roan or ticking
<ul style="list-style-type: none"> R Locus (Roan/Ticked) - R^Ti R Locus (Roan/Ticked) - R 	<ul style="list-style-type: none"> 0 0 	
S Locus (White Spotting, Parti, or Piebald)	S/S	No white spotting, flash, parti, or piebald
SD Locus (Shedding)	sd/sd	Low shedding
Sex Determination	X/Y	Male
Social Behavior	WT/M; WT/WT	May demonstrate more social behavior
<ul style="list-style-type: none"> Social Behavior, Variant 1 Social Behavior, Variant 2 	<ul style="list-style-type: none"> 1 0 	
T Locus (Natural Bobtail)	t/t	Normal tail