



Breed Profile

Disease Name

Geno.

Interpretation

Degenerative Myelopathy

WT/WT

Normal (Clear)

Degenerative
Myelopathy
(Bernese Mountain
Dog Variant)

0

Degenerative
Myelopathy
(Common Variant)

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/M

At-Risk

Multidrug Resistance 1

WT/WT

Normal (clear)

Neonatal Encephalopathy
with Seizures

WT/WT



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)

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

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

Brachycephaly

BR/BR

Likely
medium
to long
muzzle

Chondrodysplasia (CDPA)

cd/cd

Likely
typical leg
length

Cu Locus (Curly Hair)

Cu^C/Cu^C

Curly coat

D Locus (Dilute)

D/D

Non
diluteD Locus (Dilute) -
d¹

0

D Locus (Dilute) -
d²

0

E Locus (Yellow/Red)

e/e

Yellow/red

E^g Locus (Grizzle, Afghan
Hound Type)

N/N

No grizzle

E^h Locus (Sable, Cocker
Spaniel Type)

N/N

No sable

E^m Locus (Melanistic Mask)

N/N

No
melanistic
maskH Locus (Harlequin, Great
Dane Type)

h/h

No
harlequinHr 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 ^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	
M Locus (Merle)	m/m	Non merle
Polydactyly	pd/pd	Normal (typical) toes (likely no hind dewclaws)
S Locus (White Spotting, Parti, or Piebald)	S/s ^p	Limited white spotting, flash, parti, or piebald (carrier)
SD Locus (Shedding)	sd/sd	Low shedding