



Explore the genetics behind your dog's appearance and size.



## Coat Color

**SEE DETAILS**  
 (/MEMBERS/RESULTS/TRAITSCATEGORY/COAT-COLOR)

**E Locus (MC1R)**

**No dark mask or grizzle (Ee)**  
 (/members/results/traits-category/coat-color#MC1R)

**K Locus (CBD103)**

**More likely to have a patterned haircoat (k<sup>y</sup>k<sup>y</sup>)**  
 (/members/results/traits-category/coat-color#CBD103\_K)

**Intensity Loci LINKAGE**

**Any light hair likely apricot or red (Intense Red Pigmentation)** (/members/results/traits-category/coat-color#Intensity\_red\_pigment)

**A Locus (ASIP)**

**Black/Brown and tan coat color pattern (a<sup>t</sup>a<sup>t</sup>)**  
 (/members/results/traits-category/coat-color#ASIP)

**D Locus (MLPH)**

**Dark areas of hair and skin are not lightened (DD)** (/members/results/traits-category/coat-color#MLPH\_D)

**B Locus (TYRP1)**

**Black or gray hair and skin (Bb)**  
 (/members/results/traits-category/coat-color#TYRP1)

**Saddle Tan (RALY)**

**Not saddle tan patterned (II)**  
 (/members/results/traits-category/coat-color#RALY\_Saddle\_trait\_gene)

**S Locus (MITF)**

**Likely solid colored, but may have small amounts of white (Ssp)**  
 (/members/results/traits-category/coat-color#MITF)

**M Locus (PMEL)**

**No merle alleles (mm)**  
 (/members/results/traits-category/coat-color#PMEL\_Merle)

**H Locus (Harlequin)**

**No harlequin alleles (hh)**  
 (/members/results/traits-category/coat-color#PSMB7\_H)



**Other Coat Traits**

**SEE DETAILS**  
 (/MEMBERS/RESULTS/TRAITSCATEGORY/OTHER-COAT-TRAITS)

**Furnishings (RSPO2) LINKAGE**

**Likely furnished (mustache, beard, and/or eyebrows) (FF)** (/members/results/traits-category/other-coat-traits#RSPO2\_moustache)

**Coat Length (FGF5)**

**Likely long coat (TT)** (/members/results/traits-category/other-coat-traits#FGF5)

**Shedding (MC5R)**

**Likely light shedding (CC)**  
 (/members/results/traits-category/other-coat-traits#MC5R\_shedding)

**Hairlessness (FOXI3) LINKAGE**

**Very unlikely to be hairless (NN)**  
 (/members/results/traits-category/other-coat-traits#FOXI3\_Hairless\_Linkage)

**Hairlessness (SGK3)**

**Very unlikely to be hairless (NN)**  
 (/members/results/traits-category/other-coat-traits#SGK3\_Hairless)

**Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE**

**Likely not albino (NN)**  
 (/members/results/traits-category/other-coat-traits#SLC45A2\_oculocutaneous\_albinism\_type\_2\_doberman\_;

**Coat Texture (KRT71)**

**Likely curly coat (TT)** (/members/results/traits-category/other-coat-traits#KRT71\_CurlyCoat)



## Other Body Features

SEE DETAILS  
 (/MEMBERS/RESULTS/TRAITSCATEGORY/OTHER-BODY-FEATURES)

**Muzzle Length (BMP3)**

Likely medium or long muzzle (CC)  
 (/members/results/traits-category/other-body-features#BMP3\_Muzzle)

**Tail Length (T)**

Likely normal-length tail (CC)  
 (/members/results/traits-category/other-body-features#T\_C189G\_Bobtail)

**Hind Dewclaws (LMBR1)**

Unlikely to have hind dew claws (CC)  
 (/members/results/traits-category/other-body-features#LMBR1\_Claw)

**Blue Eye Color (ALX4) LINKAGE**

Less likely to have blue eyes (NN)  
 (/members/results/traits-category/other-body-features#ALX4\_Blue\_Eyes\_Linkage)

**Back Muscling & Bulk, Large Breed (ACSL4)**

Likely normal muscling (CC)  
 (/members/results/traits-category/other-body-features#ACSL4\_Bulky\_trait\_gene)



## Body Size

SEE DETAILS  
 (/MEMBERS/RESULTS/TRAITSCATEGORY/BODY-SIZE)

**Body Size (IGF1)**

Larger (NN) (/members/results/traits-category/body-size#IGF1\_size)

**Body Size (IGFR1)**

Larger (GG) (/members/results/traits-category/body-size#IGFR1\_toy)

**Body Size (STC2)**

Intermediate (TA) (/members/results/traits-category/body-size#STC2\_size)

**Body Size (GHR - E191K)**

Larger (GG) (/members/results/traits-category/body-size#GHR\_size1)

**Body Size (GHR - P177L)**

Larger (CC) (/members/results/traits-category/body-size#GHR\_size2)



## Performance

**SEE DETAILS**  
(/MEMBERS/RESULTS/TRAITSCATEGORY/PERFORMANCE)

**Altitude Adaptation (EPAS1)**

**Normal altitude tolerance (GG)**  
(/members/results/traitscategory/performance#EPAS1\_altitude)

**Appetite (POMC) LINKAGE**

**Normal food motivation (NN)**  
(/members/results/traitscategory/performance#POMC\_appetite\_linkage)