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"DIESEL"

M 8565

Pomeranian

SUMMARY

TRAITS

MATERNAL HAPLOTYPE

PATERNAL HAPLOTYPE

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



Coat Color

E Locus (MC1R)	No dark mask or grizzle (Ee)
K Locus (CBD103)	More likely to have a patterned haircoat ($k^y k^y$)
Intensity Loci LINKAGE	Any light hair likely yellow or tan (Intermediate Red Pigmentation)
A Locus (ASIP)	Black/Brown and tan coat color pattern ($a^{t a^t}$)
D Locus (MLPH)	Dark areas of hair and skin are not lightened (Dd)
Cocoa (HPS3)	No co alleles, not expressed (NN)
B Locus (TYRP1)	Brown hair and skin (bb)
Saddle Tan (RALY)	Not saddle tan patterned (II)
S Locus (MITF)	Likely flash, parti, piebald, or extreme white (spsp)
M Locus (PMEL)	

One merle allele, likely to appear merle or "phantom merle" (M*m)

R Locus (USH2A) LINKAGE

Likely no impact on coat pattern (rr)

H Locus (Harlequin)

No harlequin alleles (hh)

Other Coat Traits

Furnishings (RSPO2) LINKAGE

Likely unfurnished (no mustache, beard, and/or eyebrows) (ll)

Coat Length (FGF5)

Likely long coat (TT)

Shedding (MC5R)

Likely heavy/seasonal shedding (CC)

Hairlessness (FOXI3) LINKAGE

Very unlikely to be hairless (NN)

Hairlessness (SGK3)

Very unlikely to be hairless (NN)

Oculocutaneous Albinism Type 2
(SLC45A2) LINKAGE

Likely not albino (NN)

Coat Texture (KRT71)

Likely straight coat (CC)

Other Body Features

Muzzle Length (BMP3)

Likely medium or long muzzle (AC)

Tail Length (T)

Likely normal-length tail (CC)

Hind Dewclaws (LMBR1)

Unlikely to have hind dew claws (CC)

Blue Eye Color (ALX4) LINKAGE

Less likely to have blue eyes (NN)

Back Muscling & Bulk, Large Breed
(ACSL4)

Likely normal muscling (CC)

Body Size

Body Size (IGF1)

Smaller (ll)

Body Size (IGFR1)

Larger (GG)

Body Size (STC2)

Larger (TT)

Body Size (GHR - E191K)

Smaller (AA)

Body Size (GHR - P177L)

Larger (CC)



Performance

Altitude Adaptation (EPAS1)

Normal altitude tolerance (GG)

Appetite (POMC) LINKAGE

Normal food motivation (NN)

Explore

 Maternal Line



 Paternal Line



The resource for canine genetic testing and discovery

LEARN MORE
([HTTPS://EMBARKVET.COM/BREEDER/](https://embarkvet.com/breeder/))



Breed-Relevant Genetic Health Conditions

The reports on this page are for genetic health conditions that are relevant to DIESEL's breed.

Research studies indicate that, based on your dog's breed, these results may influence your dog's chances of developing certain health conditions.

Results

Methemoglobinemia CYB5R3

Identified in Pomeranians

Variant not detected



Progressive Retinal Atrophy, rcd3 (PDE6A)

Identified in Pomeranians

Variant not detected



Urate Kidney & Bladder Stones (SLC2A9)

Identified in Pomeranians

Variant not detected



Oculocutaneous Albinism, OCA (Pekingese Type)

Identified in Pomeranians

Variant not detected



Hereditary Vitamin D-Resistant Rickets (VDR)

Identified in Pomeranians

Variant not detected



Send to Your Veterinarian

Provide your vet with the information they need to understand how your dog's genetics could impact their health.