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"WINONA"

M 0906

Siberian Husky

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^Yk^Y)
Intensity Loci LINKAGE	Any light hair likely white or cream (Dilute Red Pigmentation)
A Locus (ASIP)	Agouti (Wolf Sable) coat color pattern (a^wa^w)
D Locus (MLPH)	Dark areas of hair and skin are not lightened (DD)
Cocoa (HPS3)	No co alleles, not expressed (NN)
B Locus (TYRP1)	Black or gray hair and skin (BB)
Saddle Tan (RALY)	Not expressed (NN)
S Locus (MITF)	Likely solid colored, but may have small amounts of white (Ssp)

M Locus (PMEL)

No merle alleles (mm)

R Locus (USH2A) LINKAGE

Likely no impact on coat pattern (rr)

H Locus (Harlequin)

No harlequin alleles (hh)

Other Coat Traits

Furnishings (RSP02) LINKAGE

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

Coat Length (FGF5)

Likely short or mid-length coat (GG)

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 (CC)

Tail Length (T)

Likely normal-length tail (CC)

Hind Dewclaws (LMBR1)

Unlikely to have hind dew claws (CC)

Blue Eye Color (ALX4) LINKAGE

Likely to have blue eyes or partial blue eyes
(DupDup)

Back Muscling & Bulk, Large Breed
(ACSL4)

Likely normal muscling (CC)

Body Size

Body Size (IGF1)

Larger (NN)

Body Size (IGFR1)

Larger (GG)

Body Size (STC2)

Larger (TT)

Body Size (GHR - E191K)

Larger (GG)

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 WINONA'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

X-Linked Progressive Retinal Atrophy 1, XL-PRA1 (RPGR)

Identified in Siberian Huskies

Variant not detected



GM1 Gangliosidosis (GLB1 Exon 15 Alaskan Husky Variant)

Identified in Siberian Huskies

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.

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REPORT)