



BREED



**BREED
RESULT**

FAMILY TREE

MIX
MATCHES

MATERNAL
HAPLOTYPE

PATERNAL
HAPLOTYPE

Genetic Breed Result

[LEARN HOW IT'S DONE](#)

Pomsky

55.8% Pomeranian



44.2% Siberian Husky



Pomeranian

The Pomeranian is a cocky, animated companion with an extroverted personality.



[LEARN MORE](#)

Siberian Husky

Bred initially in Northern Siberia, the Siberian Husky is





Health Summary



Matrix has one variant that you should let your vet know about.

ALT Activity



Breed-Relevant Genetic Conditions

6 variants not detected



Additional Genetic Conditions

176 variants not detected



You may print or email your veterinarian a copy of your dog's Embark results to help inform their diagnosis and potential treatment.

[SEND VET REPORT](#)

Genetic Health Conditions

Genetic factors that increase the risk that Matrix develops a specific condition

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^t)

D Locus (MLPH)

Dark areas of hair and skin are not lightened (DD)

B Locus (TYRP1)

Black or gray hair and skin (BB)

Saddle Tan (RALY)

Not expressed (NI)

S Locus (MITF)

Likely solid colored, but may have small amounts of white (Ssp)

M Locus (PMEL)

No merle alleles (mm)

H Locus (Harlequin)

No harlequin alleles (hh)



Other Coat Traits

[SEE DETAILS](#)

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)

Coat Texture (KRT71)

Likely straight coat (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)



Other Body Features

[SEE DETAILS](#)

Muzzle Length (BMP3)

Likely medium or long muzzle (CC)

Tail Length (T)

Likely normal-length tail (CC)

Hind Dewclaws (LMBR1)

Likely to have hind dew claws (CT)



Other Body Features

[SEE DETAILS](#)

Muzzle Length (BMP3)

Likely medium or long muzzle (CC)

Tail Length (T)

Likely normal-length tail (CC)

Hind Dewclaws (LMBR1)

Likely to have hind dew claws (CT)

Blue Eye Color (ALX4) LINKAGE

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

Back Muscling & Bulk, Large Breed (ACSL4)

Likely normal muscling (CC)



Body Size

[SEE DETAILS](#)

Body Size (IGF1)

Smaller (II)

Body Size (IGFR1)

Intermediate (GA)

Body Size (STC2)

Smaller (AA)

Body Size (GHR - E191K)

Intermediate (GA)

Body Size (GHR - P177L)

Larger (CC)