



KONA

Australian Shepherd Group



Chat
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to=kona2041)

(/dog/kona2041/gallery)

SUMMARY

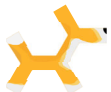
TRAITS

MATERNAL HAPLOTYPE

PATERNAL HAPLOTYPE

Traits

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



Coat Color

E Locus (MC1R)	Can have a melanistic mask (E^mE)
K Locus (CBD103)	More likely to have a patterned haircoat (k^yk^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^ta^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)	Black or gray hair and skin (Bb)
Saddle Tan (RALY)	Not saddle tan patterned (II)
S Locus (MITF)	Likely to have little to no white in coat (SS)
M Locus (PMEL)	One merle allele; may express 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 (RSP02) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows) (II)
Coat Length (FGF5)	Likely long coat (TT)
Shedding (MC5R)	Likely heavy/seasonal shedding (CC)
Hairlessness (FOX13) 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	Less likely to have blue eyes (NN)
Back Muscling & Bulk, Large Breed (ACSL4)	Likely normal muscling (CC)



Body Size

Body Size (IGF1)	Smaller (II)
Body Size (IGFR1)	Larger (GG)
Body Size (STC2)	Smaller (AA)
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

 **Summary** >

 **Maternal Haplotype** >

 **Paternal Haplotype** >



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