

FALCO VON DER SABABURG



DNA Test Report

Test Date: April 8th, 2018

embk.me/falcovondersababurg

GENETIC STATS

Wolfiness: 1.1 % **MEDIUM**
Predicted adult weight: **77 lbs**
Genetic age: **50 human years**

TEST DETAILS

Kit number: EM-8585619
Swab number: 31001710125350

TRAITS

Coat Color

E Locus (Mask/Grizzle/Red)	EE
K Locus (Dominant Black)	k^Yk^Y
A Locus (Agouti)	a^ta^t
D Locus (Dilute)	DD
B Locus (Brown/Chocolate/Liver)	Bb

Other Coat Traits

Furnishings / Improper Coat (RSPO2)	II
Long Haircoat (FGF5)	GG
Shedding (MC5R)	TT
Curly Coat (KRT71)	CC

Body Size

Body Size - IGF1	NI
Body Size - IGF1R	GG
Body Size - STC2	TT
Body Size - GHR (E195K)	GG
Body Size - GHR (P177L)	CC

Other Body Features

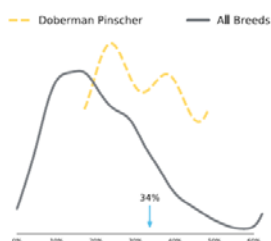
Brachycephaly (BMP3)	CC
Natural Bobtail (T)	CC
Hind Dewclaws (LMBR1)	CC

Performance

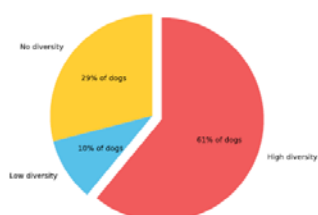
Altitude Adaptation (EPAS1)	GG
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Genetic Diversity

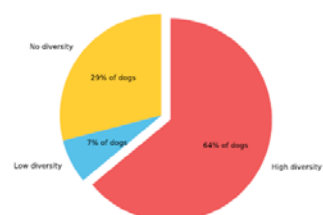
Inbreeding Coefficient **34%**



MHC Class II - DLA DRB1
High Diversity



MHC Class II - DLA DQA1 and DQB1
High Diversity



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CLINICAL TRAITS

These clinical genetic traits can inform clinical decisions and diagnoses. These traits do not predict a disease state or increased risk for disease. We currently assess one clinical trait: Alanine Aminotransferase Activity.

Alanine Aminotransferase Activity result: Normal

Falco von der Sababurg has two normal alleles at ALT.

More information on Alanine Aminotransferase Activity:

Known to be highly expressed in liver cells, activity levels of alanine aminotransferase, or ALT, is a common value on most blood chemistry panels and is known to be a sensitive measure of liver health. Dogs with two ancestral G alleles show "normal" activity. Dogs that have one or two copies of the derived A allele may have lower resting levels of ALT activity, known as "low normal". If your dog's result is "low normal" then when a blood chemistry panel is being interpreted the values that you and your veterinarian consider "normal" may need to be adjusted. Please note that neither a "normal" nor a "low normal" result for this predicts a disease state or increased risk for liver disease. Moreover, this mutation does not associate with increased levels of ALT: If your dog has high ALT levels, please consult your veterinarian.

HEALTH

Good news! Falco von der Sababurg did not test positive for any of the genetic diseases that Embark screens for. Read on to learn more about the conditions we test for, but rest assured that Falco von der Sababurg does not have the mutations known to cause them.

0	0	165
AT RISK	CARRIER	CLEAR

It is still important to let your veterinarian know these results because they could help guide Falco von der Sababurg's diagnosis and treatment if he gets sick in the future. Many other diseases caused by environmental factors or undiscovered genetic variants can cause symptoms similar to diseases we test for. By ruling out these mutations, your veterinarian will be able to find the true cause more quickly. Your veterinarian will also know they can safely prescribe medications some dogs are sensitive to.

OTHER CONDITIONS

Good news! Falco von der Sababurg tested clear for 3 genetic conditions that are common in his breed.

- Von Willebrand Disease Type I (VWF)
- Degenerative Myelopathy (SOD1A)
- Dilated Cardiomyopathy (PDK4)

FULL TEST PANEL

To help ensure healthy breeds, every test includes analysis of our full panel of over 160 genetic diseases.

Falco von der Sababurg is also clear of 162 other genetic diseases that Embark tests for.

