

Dog Information

Annie (Amber)
NAME

Female
SEX

Belgian Shepherd
GENETIC BREED

September 17th, 2014
DATE OF BIRTH

Dutch kennel Club (FCI): NHSB 2979480
REGISTRATION





n/a
MICROCHIP

Marc Peeters
OWNER NAME

Canine Genetic Health Screen
TEST

January 9th, 2020
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Degenerative Myelopathy, DM	SOD1	GG	Clear	
Spongy Degeneration with Cerebellar Ataxia 1, SDCA1, SeSAME/EAST Syndrome	KCNJ10	AA	Clear	
Spongy Degeneration with Cerebellar Ataxia 2, SDCA2	ATP1B2	AA	Clear	
Mucopolysaccharidosis Type VII, Sly Syndrome, MPS VII	GUSB	GG	Clear	

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TRAIT TESTS (1/2)

Coat Color		RESULT
E Locus (MC1R)	Can have a melanistic mask	E^mE^m
K Locus (CBD103)	More likely to have a patterned haircoat	k^Yk^Y
A Locus (ASIP)	Fawn Sable coat color pattern	a^Ya^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	NN
M Locus (PMEL)	No merle alleles	mm

Other Coat Traits		RESULT
Furnishings (RSPO2) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	II
Coat Length (FGF5)	Likely short or mid-length coat	GT
Shedding (MC5R)	Likely heavy/seasonal shedding	CT
Coat Texture (KRT71)	Likely straight coat	CC
Hairlessness (SGK3)	Very unlikely to be hairless	NN
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE	Likely not albino	NN

Other Body Features		RESULT
Muzzle Length (BMP3)	Likely medium or long muzzle	CC
Tail Length (T)	Likely normal-length tail	CC

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TRAIT TESTS (2/2)

Body Size		RESULT
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		RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG
Appetite (POMC) LINKAGE	Normal food motivation	NN

Genetic Diversity		RESULT
Coefficient Of Inbreeding		9%
MHC Class II - DLA DRB1		High Diversity
MHC Class II - DLA DQA1 and DQB1		High Diversity