

## Dog Information

<b>Gracja z Rozkoszowskiej Chaty (Gracja)</b> NAME	<b>Female</b> SEX
<b>Standard Schnauzer</b> BREED ANCESTRY	<b>March 21st, 2021</b> DATE OF BIRTH
<b>Fédération Cynologique Internationale (FCI) NHSB 3256076</b> REGISTRATION	<b>n/a</b> MICROCHIP

**Robert van Leeuwen**  
OWNER NAME

**Canine Genetic Health Screen**  
TEST

**March 2nd, 2023**  
TEST DATE

## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Degenerative Myelopathy, DM	SOD1(A)	GG	Clear	
Dilated Cardiomyopathy, DCM	RBM20	NN	Clear	
Leukodystrophy	TSEN54 Exon 5	GG	Clear	
Myotonia Congenita	CLCN1 (Exon 7)	GG	Clear	
Persistent Mullerian Duct Syndrome, PMDS	AMHR2	CC	Clear	

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## INBREEDING AND DIVERSITY

	RESULT	GENETIC RESULT
Genetic Diversity		
Coefficient Of Inbreeding		18%
MHC Class II - DLA DRB1		High Diversity
MHC Class II - DLA DQA1 and DQB1		High Diversity

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## TRAIT TESTS (1/3)

Coat Color	RESULT	GENETIC RESULT
E Locus (MC1R)	Can have a melanistic mask	E <sup>m</sup> E
K Locus (CBD103)	More likely to have a patterned haircoat	k <sup>y</sup> k <sup>y</sup>
Intensity Loci LINKAGE	Any light hair likely white or cream	Dilute Red Pigmentation
A Locus (ASIP)	Agouti (Wolf Sable) coat color pattern	a <sup>w</sup> a <sup>t</sup>
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	II
S Locus (MITF)	Likely to have little to no white in coat	SS
M Locus (PMEL)	No merle alleles	mm
R Locus (USH2A) LINKAGE	Likely no impact on coat pattern	Rr

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## TRAIT TESTS (2/3)

Coat Color	RESULT	GENETIC RESULT
H Locus (Harlequin)	No harlequin alleles	hh
Other Coat Traits	RESULT	GENETIC RESULT
Furnishings (RSPQ2) LINKAGE	Likely furnished (mustache, beard, and/or eyebrows)	FF
Coat Length (FGF5)	Likely short or mid-length coat	GG
Shedding (MC5R)	Likely light 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)	Coat would likely be curly or wavy if long	CC
Other Body Features	RESULT	GENETIC RESULT
Muzzle Length (BMP3)	Likely short muzzle	AA
Tail Length (T)	Likely normal-length tail	CC
Hind Dewclaws (LMBR1)	Unlikely to have hind dew claws	CC

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## TRAIT TESTS (3/3)

Other Body Features	RESULT	GENETIC RESULT
Blue Eye Color (ALX4) LINKAGE	Less likely to have blue eyes	NN
Back Muscling & Bulk, Large Breed (ACSL4)	Likely normal muscling	CC

  

Body Size	RESULT	GENETIC RESULT
Body Size (IGF1)	Intermediate	NI
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Larger	TT
Body Size (GHR - E191K)	Larger	GG
Body Size (GHR - P177L)	Larger	CC

  

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