

## Dog Information

**Monseñor Lopez**  
NAME

**Male**  
SEX

**Australian Shepherd Group**  
GENETIC BREED

**October 9th, 2017**  
DATE OF BIRTH

**Federación Canófila Mexicana: FCMH6478-n/a**  
A  
REGISTRATION












**MICROCHIP**

**Martín Amaya**  
OWNER NAME

**Canine Genetic Health Screen**  
TEST

**February 14th, 2019**  
TEST DATE

## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Canine Multifocal Retinopathy	BEST1/VMD2 (Exon 2)	CC	Clear	
Collie Eye Anomaly, Choroidal Hypoplasia	NHEJ1 (Intron 4)	NN	Clear	
Craniomandibular Osteopathy (CMO)	SLC37A2 (Exon 15)	CC	Clear	
Cyclic Neutropenia, Gray Collie Syndrome	AP3B1 Exon 20	NN	Clear	
Degenerative Myelopathy	SOD1	GG	Clear	
Hereditary Cataracts, Early-Onset Cataracts, Juvenile Cataracts	HSF4	NN	Clear	
Hyperuricosuria and Hyperuricemia or Urolithiasis	SLC2A9 (Exon 5)	CT	Carrier	
MDR1 Drug Sensitivity	MDR1	ND	At Risk	
Progressive Retinal Atrophy - prcd	PRCD Exon 1	GG	Clear	
Neuronal Ceroid Lipofuscinosis	CLN8	GG	Clear	
Neuronal Ceroid Lipofuscinosis 6	CLN6 (Exon 7)	TT	Clear	

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## TRAIT TESTS (1/2)

Coat Color	GENOTYPE
E Locus (Mask, Grizzle, Recessive Red)	EE
K Locus (Dominant Black)	k <sup>Y</sup> k <sup>Y</sup>
A Locus (Agouti, Sable)	a <sup>t</sup> a <sup>t</sup>
D Locus (Dilute, Blue, Fawn)	DD
B Locus (Brown, Chocolate, Liver, Red, Dudley)	Bb
Saddle Tan	II

Other Coat Traits	GENOTYPE
Furnishings / Improper Coat (RSPO2)	II
Long Haircoat (FGF5)	TT
Shedding (MC5R)	CC
Curly Coat (KRT71)	CC
Hairlessness (FOXI3)	N/N
Oculocutaneous Albinism Type 2 - OCA2, Doberman Z Factor Albinism (SLC45A2)	N/N

Body Size	GENOTYPE
Body Size - IGF1	NI
Body Size - IGF1R	GG
Body Size - STC2	AA

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## TRAIT TESTS (2/2)

Other Body Features	GENOTYPE
Brachycephaly (BMP3)	CC
Natural Bobtail (T)	CC
Hind Dewclaws (LMBR1)	CC
Blue Eye Color	N/N

Performance	GENOTYPE
Altitude Adaptation (EPAS1)	GG

Genetic Diversity	RESULT
Inbreeding Coefficient	30%
MHC Class II - DLA DRB1	No Diversity
MHC Class II - DLA DQA1 and DQB1	No Diversity