

Dog Information


Celeste NAME	Female SEX
Maremma Sheepdog BREED ANCESTRY	November 27th, 2019 DATE OF BIRTH
N/A REGISTRATION	n/a MICROCHIP

Kimberly Crawmer
OWNER NAME

Canine Genetic Health Screen
TEST

March 7th, 2022
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Degenerative Myelopathy, DM	SOD1(A)	GG	Clear	

Dog Information

Celeste
NAME

INBREEDING AND DIVERSITY

Genetic Diversity	RESULT	GENETIC RESULT
Coefficient Of Inbreeding		15%
MHC Class II - DLA DRB1		Low Diversity
MHC Class II - DLA DQA1 and DQB1		Low Diversity

Dog Information

Celeste
NAME

TRAIT TESTS (1/2)

Coat Color	RESULT	GENETIC RESULT
E Locus (MC1R)	No dark hairs anywhere	ee
K Locus (CBD103)	Not expressed	K ^B k ^Y
Intensity Loci LINKAGE	Any pigmented hair likely white or cream	Dilute Red Pigmentation
A Locus (ASIP)	Not expressed	a ^Y a ^t
D Locus (MLPH)	Not expressed	DD
Cocoa (HPS3)	No co alleles, not expressed	NN
B Locus (TYRP1)	Likely black colored nose/feet	BB
Saddle Tan (RALY)	Not expressed	NI
S Locus (MITF)	Likely solid colored, but may have small amounts of white	Ssp
M Locus (PMEL)	No merle alleles	mm
R Locus (USH2A) LINKAGE	Likely roan patterned	Rr
H Locus (Harlequin)	No harlequin alleles	hh
Other Coat Traits	RESULT	GENETIC RESULT
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 (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Hairlessness (SGK3)	Very unlikely to be hairless	NN

Dog Information

Celeste
NAME

TRAIT TESTS (2/2)

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