DNA Test Report

Dog Information

Romeo Go Sakura Kensha NAME	**Male** SEX
Shiba Inu GENETIC BREED	**April 26th, 2020** DATE OF BIRTH
Canadian Kennel Club: FD-HG4040057 REGISTRATION	**n/a** MICROCHIP

Svetlana Shakhov
OWNER NAME

Canine Genetic Health Screen
TEST

April 1st, 2021
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Degenerative Myelopathy, DM	SOD1	GG	Clear	
GM1 Gangliosidosis	GLB1 (Exon 15)	NN	Clear	

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INBREEDING AND DIVERSITY

Genetic Diversity	RESULT
Coefficient Of Inbreeding	20%
MHC Class II - DLA DRB1	High Diversity
MHC Class II - DLA DQA1 and DQB1	High Diversity

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TRAIT TESTS (1/2)

Coat Color		RESULT
E Locus (MC1R)	No dark mask or grizzle	Ee
K Locus (CBD103)	More likely to have a patterned haircoat	$k^{y}k^{y}$
Intensity Loci LINKAGE	Any light hair likely yellow or tan	Intermediate Red Pigmentation
A Locus (ASIP)	Agouti (Wolf Sable) coat color pattern	$a^{w}a^{t}$
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	NI
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
H Locus (Harlequin)	No harlequin alleles	hh

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	GG
Shedding (MC5R)	Likely heavy/seasonal shedding	CC
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN

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TRAIT TESTS (2/2)

Body Size		RESULT
Body Size (IGF1)	Smaller	II
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Intermediate	TA
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