

Dog Information

Hoshi NAME	Male SEX
Cocker Spaniel GENETIC BREED	January 3rd, 2009 DATE OF BIRTH
American Kennel Club: SR54514504 REGISTRATION	n/a MICROCHIP







manuel villanueva

OWNER NAME

Canine Genetic Health Screen
TEST

December 31st, 2018
TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	
Degenerative Myelopathy	SOD1	GG	Clear	
Exercise-Induced Collapse	DNM1	GG	Clear	
Glycogen storage disease Type VII, Phosphofructokinase deficiency	PFKM (Exon 21)	GG	Clear	
Progressive Retinal Atrophy - prcd	PRCD Exon 1	GG	Clear	
Autosomal Recessive Hereditary Nephropathy, Familial Nephropathy	COL4A4 (Exon 3)	AA	Clear	
Congenital Macrothrombocytopenia	TUBB1 Exon 1 SNP 745	GG	Clear	
Von Willebrand Disease Type II	VWF Exon 28	AG		

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TRAIT TESTS (1/2)

Coat Color	GENOTYPE
E Locus (Mask, Grizzle, Recessive Red)	ee
K Locus (Dominant Black)	K ^B K ^B
A Locus (Agouti, Sable)	a ^t a
D Locus (Dilute, Blue, Fawn)	DD
B Locus (Brown, Chocolate, Liver, Red)	BB

Other Coat Traits	GENOTYPE
Furnishings / Improper Coat (RSP02)	II
Long Haircoat (FGF5)	TT
Shedding (MC5R)	TT
Curly Coat (KRT71)	CC
Hairlessness (FOX13)	N/N
Oculocutaneous Albinism Type 2 - OCA2, Doberman Z Factor Albinism (SLC45A2)	N/N

Body Size	GENOTYPE
Body Size - IGF1	II
Body Size - IGF1R	GG
Body Size - STC2	AA
Body Size - GHR (E195K)	AA
Body Size - GHR (P177L)	CC

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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	40%
MHC Class II - DLA DRB1	No Diversity
MHC Class II - DLA DQA1 and DQB1	No Diversity