Dog Information

Sayre's FairyWren (Wren) NAME Australian Shepherd Group

Breed with variety: 100% Australian Shepherd BREED ANCESTRY

AKC: DN67389706 REGISTRATION Female SEX May 7th, 2021 DATE OF BIRTH

n/a MICROCHIP KIMBERLY SAYRE

Canine Genetic Health Screen

August 26th, 2021 TEST DATE

BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Canine Multifocal Retinopathy, cmr1	BEST1/VMD2 (Exon 2)	CC	Clear	۷
Collie Eye Anomaly, Choroidal Hypoplasia, CEA	NHEJ1 (Intron 4)	NN	Clear	۷
Craniomandibular Osteopathy, CMO	SLC37A2 (Exon 15)	CC	Clear	Ø
Day Blindness, Cone Degeneration, Achromatopsia	CNGB3	n/a	n/a	۷
Degenerative Myelopathy, DM	SOD1(A)	GA	1 Variant	۲
Hereditary Cataracts, Early-Onset Cataracts, Juvenile Cataracts	HSF4	NN	Clear	۲
Hyperuricosuria and Hyperuricemia or Urolithiasis, HUU	SLC2A9 (Exon 5)	GG	Clear	0
MDR1 Drug Sensitivity	ABCB1	NN	Clear	۷
Progressive Retinal Atrophy, prcd	PRCD Exon 1	GG	Clear	۲
Neuronal Ceroid Lipofuscinosis 6, NCL 6	CLN6 (Exon 7)	тт	Clear	×
Neuronal Ceroid Lipofuscinosis 8, NCL 8	CLN8	GG	Clear	×

Dog Information

Sayre's FairyWren (Wren) NAME

INBREEDING AND DIVERSITY

Genetic Diversity	RESULT	GENETIC RESULT
Coefficient Of Inbreeding		10%
MHC Class II - DLA DRB1		High Diversity
MHC Class II - DLA DQA1 and DQB1		High Diversity

Dog Information

Sayre's FairyWren (Wren) NAME

TRAIT TESTS (1/2)

Coat Color	RESULT	GENETIC 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)	Black/Brown and tan coat color pattern	a ^t 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 saddle tan patterned	II
S Locus (MITF)	Likely solid colored, but may have small amounts of white	Ssp
M Locus (PMEL)	One merle allele, likely to appear merle or "phantom merle"	M*m
R Locus (USH2A) LINKAGE	Likely no impact on coat pattern	rr
H Locus (Harlequin)	No harlequin alleles	hh
Other Coat Traits	RESULT	GENETIC RESULT
Furnishings (RSPO2) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	II
Coat Length (FGF5)	Likely long coat	тт
Shedding (MC5R)	Likely heavy/seasonal shedding	СС
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Hairlessness (SGK3)	Very unlikely to be hairless	NN

Dog Information

Sayre's FairyWren (Wren) NAME

TRAIT TESTS (2/2)

Body Size	RESULT	GENETIC RESULT
Body Size (IGF1)	Intermediate	NI
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Smaller	ΑΑ
Body Size (GHR - E191K)	Intermediate	GA
Body Size (GHR - P177L)	Larger	сс
Performance	RESULT	GENETIC RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG
Appetite (POMC) LINKAGE	Normal food motivation	NN