

## Canine Genetic Health Certificate™

<b>Call Name:</b>	Scout	<b>Barcode:</b>	26FB23249
<b>Registered Name:</b>	Afara Lone Pine Jean Louis	<b>Registration:</b>	-
<b>Breed:</b>	Miniature American Shepherd	<b>Certificate Date:</b>	3rd Feb 2026
<b>Sex:</b>	Female	<b>Microchip Number:</b>	956000014350107
<b>DOB:</b>	1st Jun 2022		

### This canine's DNA showed the following genotype(s):

Breed Sense	Disease	Gene	Genotype	Interpretation
✔	Achromatopsia (Shepherd/Arctic Breed Type)	CNGB3	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✔	Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)			NORMAL (N/N) - NO CHONDRODYSTROPHY (CDDY) VARIANT DETECTED (NO INCREASED IVDD RISK)
✔	Collie Eye Anomaly/Choroidal Hypoplasia	NHEJ1	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✔	Hereditary Cataract (Dominant)		WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✔	Hyperuricosuria	SLC2A9	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✔	Ivermectin Sensitivity MDR1 (Multi Drug Resistance)	MDR1	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]

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**This canine's DNA showed the following genotype(s):**

Breed Sense	Disease	Gene	Genotype	Interpretation
✓	Neuroaxonal Dystrophy (Miniature American Shepherd Type)	RNF170	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Neuronal Ceroid Lipofuscinosis 6 (Australian Shepherd Type)	CLN6	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Progressive Rod Cone Degeneration (prcd) - PRA	PRCD	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
	Degenerative Myelopathy	SOD1	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
	Multifocal Retinopathy CMR1 (Mastiff/Bull Breeds Type)	BEST1	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]

## Coat Color and Trait Certificate

<b>Call Name:</b>	Scout	<b>Barcode:</b>	26FB23249
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<b>Sex:</b>	Female	<b>Microchip Number:</b>	956000014350107
<b>DOB:</b>	1st Jun 2022		

**This canine's DNA showed the following genotype(s):**

Breed Sense	Coat Color/Trait Test	Genotype	Interpretation
✔	Chondrodysplasia (CDPA)		NORMAL (N/N) - NO SHORTENED LEGS COMPARED TO CDPA DOGS
✔	E Locus - (Cream/Red/Yellow)		E/E - DOMINANT BLACK DOES NOT CARRY YELLOW/RED/WHITE
✔	B Locus - Bd, Bs, Bc [Various Breeds]		Bb [BcBc BdBd Bsbs] - CAN PRODUCE BROWN OFFSPRING
✔	D (Dilute) Locus		D/D - NO COPY OF MLPH-D ALLELE (DILUTE) - PIGMENT IS NORMAL
✔	K Locus (Dominant Black)		KB / k <sup>y</sup> or k <sup>br</sup> - ONE COPY DOMINANT BLACK (KB) and ONE COPY OF NON-BLACK (k <sup>y</sup> ) dog MAY be brindled
✔	A Locus (Agouti)		α <sup>t</sup> /α <sup>t</sup> - TAN POINTS/BLACK & TAN or TRICOLOUR MAY BE BRINDLED [SEE K LOCUS]
✔	M Locus (Merle/Dapple)		m/M [171/267bp] - CLASSIC MERLE [RANDOM "MIXED" AREAS OF DILUTED COLOUR]

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**This canine's DNA showed the following genotype(s):**

Breed Sense	Coat Color/Trait Test	Genotype	Interpretation
✔	Shedding (MC5R)		shd/shd [HIGH SHEDDING] - TWO COPIES OF THE shd (MC5R) VARIANT DETECTED REFER TO R151W (IC) FOR LEVEL OF SHEDDING
✔	Curly Coat/Hair Variant 1		NEGATIVE FOR THE R151W (C1) VARIANT - NOT SHOWING THE CURLY COAT PHENOTYPE
✔	Natural Bob Tail (Short Tail Phenotype)		NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	Brown TYRP1 [Lancashire Heeler Type] = BI		B <sup>L</sup> /B <sup>L</sup> - DOES NOT CARRY BROWN/LIVER [TYRP1]
	Coat Composition CFA28 Gene (Double/Single Coat)		udc/udc - TWO COPIES OF THE DOUBLE COAT (DENSE UNDERCOAT) PHENOTYPE DETECTED