

Coat Color and Trait Certificate

Call Name:	Maggie	Barcode:	25FB17834
Registered Name:	NE3D Maggie's Black Magic	Registration:	E239476
Breed:	Australian Shepherd	Certificate Date:	13th Jan 2026
Sex:	Female	Microchip Number:	-
DOB:	20th Nov 2025		

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 or bb [Bcbc Bdbd BsBs] - LIKELY Bb (CARRIER) or bb (EXPRESSING BROWN)
✓	Brown TYRP1 [Australian Shepherd Type] = Ba		B ^a /B ^a - NO COPY OF THE BROWN/RED c.555T>G VARIANT [AUSTRALIAN SHEPHERD TYPE] DETECTED
✓	D (Dilute) Locus		D/D - NO COPY OF MLPH-D ALLELE (DILUTE) - PIGMENT IS NORMAL
✓	K Locus (Dominant Black)		k ^y /k ^y - RECESSIVE NON-BLACK [COLOUR PATTERN DETERMINED BY A LOCUS]
✓	A Locus (Agouti)		a ^t /a ^t - TAN POINTS/BLACK & TAN or TRICOLOUR MAY BE BRINDLED [SEE K LOCUS]

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✓	Pied (BOTH SINE and REPEAT VARIANTS)		S/S - NO PIEBALD, WHITE SPOTTING, FLASH OR PARTI COAT COLOUR
✓	M Locus (Merle/Dapple)		PENDING [RESULT IS PROCESSING]
✓	Long Hair Gene - L1 (Canine C95F)		POSITIVE - SHOWING THE PHENOTYPE
✓	Curly Coat/Hair Variant 1		NEGATIVE FOR THE R151W (CU/CU) VARIANT - NOT SHOWING THE CURLY COAT PHENOTYPE
✓	Natural Bob Tail (Short Tail Phenotype)		NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
	E Locus (Cattle Dog Cream Variant) e2		E ² /E ² - DOMINANT BLACK DOES NOT CARRY "AUSTRALIAN CATTLE DOG" TYPE CREAM

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✓	Sex Determination - ZFX Y		DOG IS FEMALE