

Coat Color and Trait Certificate

Call Name:	Gracie	Barcode:	26US06219
Registered Name:	NE3D Grace Walks With Me	Registration:	E240465
Breed:	Australian Shepherd	Certificate Date:	21st May 2026
Sex:	Female	Microchip Number:	981020061705429
DOB:	4th Nov 2025		

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

Breed Sense	Coat Color/Trait Test	Genotype	Interpretation
✓	Sex Determination - ZFX/Y		DOG IS FEMALE
✓	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
✓	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]

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✔	A Locus (Agouti)		α^t/α^t - TAN POINTS/BLACK & TAN or TRICOLOUR MAY BE BRINDLED [SEE K LOCUS]
✔	Pied (BOTH SINE and REPEAT VARIANTS)		S/sp - CARRIER OF PIEBALD [LIMITED WHITE SPOTTING, FLASH OR PARTI]
✔	M Locus (Merle/Dapple)		m/M [171/268bp] - CLASSIC MERLE [RANDOM "MIXED" AREAS OF DILUTED COLOUR]
✔	Long Hair Gene - L1 (Canine C95F)		POSITIVE - SHOWING THE PHENOTYPE
✔	Curly Coat/Hair Variant 1		NEGATIVE FOR THE R151W (C1) VARIANT - NOT SHOWING THE CURLY COAT PHENOTYPE

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

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✓	Natural Bob Tail (Short Tail Phenotype)		NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE