

Coat Color and Trait Certificate

Call Name:	Luna	Barcode:	26RP51392
Registered Name:	Luna	Registration:	-
Breed:	Border Collie	Certificate Date:	19th Feb 2026
Sex:	Female	Microchip Number:	953010006774418
DOB:	27th Oct 2024		

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

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

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Breed Sense	Coat Color/Trait Test	Genotype	Interpretation
✔	E Locus - (Cream/Red/Yellow)		E/e - BLACK CARRIES EXTENSION [YELLOW/WHITE/APRICOT/RUBY/RED]
✔	B Locus - Bd, Bs, Bc [Various Breeds]		Bb [BcBc BdBd Bsbs] - CAN PRODUCE BROWN OFFSPRING
✔	D (Dilute) Locus		PENDING [RESULT IS PROCESSING]
✔	K Locus (Dominant Black)		K/K - DOMINANT BLACK - SOLID [WILL NOT BE BRINDLED or EXPRESS AGOUTI]
✔	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/S - NO PIEBALD, WHITE SPOTTING, FLASH OR PARTI COAT COLOUR
✔	M Locus (Merle/Dapple)		PENDING [RESULT IS PROCESSING]

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✓	Long Hair Gene - L1 (Canine C95F)		POSITIVE - SHOWING THE PHENOTYPE
✓	Body Size IGSF1 "Bulky Gene"		HETEROZYGOUS ONE COPY INSULIN LIKE GROWTH FACTOR (IGF1R) - ASSOCIATED WITH A MEDIUM BODY (BULKY) SIZE
	Brown TYRP1 [Australian Shepherd Type] = Ba		B ^a /B ^a - NO COPY OF THE BROWN/RED c.555T>G VARIANT [AUSTRALIAN SHEPHERD TYPE] DETECTED
	Coat Composition CFA28 Gene (Double/Single Coat)		udc/udc - TWO COPIES OF THE DOUBLE COAT (DENSE UNDERCOAT) PHENOTYPE DETECTED