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## Genetic Summary Report

### Health Tests Reported

Breed Sense	Diseases	Result
✓	Congenital Macrothrombocytopenia	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Degenerative Myelopathy	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Osteochondrodysplasia (Min Poodle Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Progressive Retinal Atrophy RCD4	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Progressive Rod Cone Degeneration (prcd) - PRA	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	von Willebrand's Disease Type I	NORMAL (N/N) - [NO VARIANT DETECTED]
	Mucopolysaccharidosis VI (Poodle Type)*	NORMAL (N/N) - [NO VARIANT DETECTED]



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### Health Tests Reported

Breed Sense	Traits	Result
	Brown Insertion = Bc	b <sup>c</sup> /b <sup>c</sup> - BROWN/CHOCOLATE, LIVER OR RED [INSERTION]
	Long Hair Gene (Canine C95F)	POSITIVE - SHOWING THE PHENOTYPE
	Body Size IGSF1 "Bulky Gene"	NO COPY INSULIN LIKE GROWTH FACTOR (IGF1R) - ASSOCIATED WITH A REDUCTION of BODY (BULKY) SIZE



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## Genetic Summary Report

### Health Tests Reported (Continued)

Breed Sense	Traits	Result
✓	E Locus - (Cream/Red/Yellow)	E/E - DOMINANT BLACK DOES NOT CARRY YELLOW/RED/WHITE
✓	EM (MC1R) Locus - Melanistic Mask	E <sup>n</sup> /E <sup>n</sup> - NO MELANISTIC MASK (E <sup>n</sup> ) EXTENSION ALLELE
✓	I Pheomelanin Locus Colour Intensity	I/I - NO COPY OF MFSD12 INTENSITY/CREAM ALLELE (NOT LIKELY TO SHOW EXTREME DILUTION)
✓	Brown TYRP1 [Lancashire Heeler Type] = Bl	B <sup>L</sup> /B <sup>L</sup> - DOES NOT CARRY BROWN/LIVER [TYRP1]
✓	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)	a <sup>t</sup> /a <sup>t</sup> - 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)	m [171bp] / Mc [200 to 230bp] - "CRYPTIC MERLE" (MERLE PATTERN MAY EXPRESS WITH NO CHANGE TO COAT COLOUR or PIGMENT SHADING)
✓	Curly Coat/Hair Curl (KRT71 R151W)	POSITIVE FOR THE R151W (Cu/Cu) VARIANT - LIKELY TO HAVE CURLY (TIGHT) HAIR PHENOTYPE
✓	Improper Coat/Furnishings (RSPO2)	F/F - POSITIVE FOR IMPROPER COAT/FURNISHINGS (OPEN FACE) - WILL SHOW FURNISHINGS
	Brown Deletion = Bd	B <sup>d</sup> /B <sup>d</sup> - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [DELETION]
	Brown Stop Codon = Bs	B <sup>s</sup> /B <sup>s</sup> - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [STOP CODON]