



# ORIVET GENETIC SUMMARY REPORT

## ANIMAL'S DETAILS

Registered Name :	Diamond Falls Smoke On The Mountain
Pet Name :	Bear
Registration Number :	DN65998803
Breed :	Australian Cattle Dog
Microchip Number :	985141003440631
Sex :	Male
Date of Birth :	18th Mar 2021
Colour :	Blue

TESTS REPORTED	RESULT
<b>Diseases</b>	
Cystinuria (SLC3A1) (Australian Cattle Dog Type)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
Degenerative Myelopathy	NEGATIVE / CLEAR [NO VARIANT DETECTED]
Hyperuricosuria	NEGATIVE / CLEAR [NO VARIANT DETECTED]
Ivermectin Sensitivity MDRI (Multi Drug Resistance)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
Myotonia Hereditaria (Cattle Dog Type)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
Neuronal Ceroid Lipofuscinosis 5 (Border Collie Type)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
Neuronal Ceroid Lipofuscinosis NCL12 (Cattle Dog Type) - SINGLE ASSAY TEST	NEGATIVE / CLEAR [NO VARIANT DETECTED]
Primary Lens Luxation	NEGATIVE / CLEAR [NO VARIANT DETECTED]
Progressive Rod Cone Degeneration (prcd) - PRA	NEGATIVE / CLEAR [NO VARIANT DETECTED]
rcd4-PRA (Late Onset) - SINGLE ASSAY TEST	NEGATIVE / CLEAR [NO VARIANT DETECTED]
<b>Traits</b>	
E Locus - (Cream/Red/Yellow)	E/E - DOMINANT BLACK DOES NOT CARRY YELLOW/RED/WHITE
E Locus (Cattle Dog Cream Variant) e2	E <sup>2</sup> /E <sup>2</sup> - DOMINANT BLACK DOES NOT CARRY "AUSTRALIAN CATTLE DOG" TYPE CREAM
EM (MC1R) Locus - Melanistic Mask	E <sup>m</sup> /E <sup>n</sup> - ONE COPY OF MASK ALLELE DETERMINED BY A SERIES
Brown (345DELPRO) Deletion	B <sup>d</sup> /B <sup>d</sup> - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [DELETION]
Brown (GLNT 331STOP) Stop Codon	B <sup>s</sup> /B <sup>s</sup> - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [STOP CODON]
Brown (SER41CYS) Insertion Codon	B <sup>c</sup> /B <sup>c</sup> - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [INSERTION]
Liver [TYRP1] (Lancashire Heeler Type)	B <sup>e</sup> /B <sup>e</sup> - DOES NOT CARRY BROWN/LIVER [TYRP1]
D (Dilute) Locus	D/D - NO COPY OF MLPH-D ALLELE (DILUTE) - PIGMENT IS NORMAL





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Traits	
K Locus (Dominant Black)	$k^Y/k^Y$ - RECESSIVE NON- BLACK [COLOUR PATTERN DETERMINED BY A LOCUS]
A Locus (Fawn/Sable;Tri/Tan Points)	$a^t/a^t$ - TAN POINTS/BLACK & TAN or TRICOLOUR MAY BE BRINDLED [SEE K LOCUS]
Pied (BOTH SINE and REPEAT VARIANTS) - SINGLE ASSAY TEST	$sp/sp$ - TWO COPIES OF PIEBALD [NEARLY SOLID WHITE, PARTI COAT COLOUR]
Long Hair Gene (Canine C95F)	NEGATIVE - NOT SHOWING THE PHENOTYPE
Shedding (MC5R)	$shd/shd$ [HIGH SHEDDING] - TWO COPIES OF THE $shd$ (MC5R) VARIANT DETECTED REFER TO R151W (IC) FOR LEVEL OF SHEDDING
Coat Composition CFA28 Gene (Double/Single Coat)	$udc/udc$ - TWO COPIES OF THE DOUBLE COAT (DENSE UNDERCOAT) PHENOTYPE DETECTED
Curly Coat/Hair Curl (KRT71 R151W)	NEGATIVE FOR THE KRT71 R151W (C1) VARIANT - NOT SHOWING THE CURLY COAT PHENOTYPE
Natural Bob Tail (Short Tail Phenotype)	NEGATIVE / CLEAR [NO VARIANT DETECTED]

