

Canine Genetic Health Certificate™

Call Name:	Charlie	Barcode:	25A169213
Registered Name:	Rossiter's Charlie	Registration:	-
Breed:	Collie Rough	Certificate Date:	12th Aug 2025
Sex:	Male	Microchip Number:	-
DOB:	1st May 2024		

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

Breed Sense	Disease	Gene	Genotype	Interpretation
✔	Collie Eye Anomaly/Choroidal Hypoplasia	NHEJ1	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✔	Degenerative Myelopathy	SOD1	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✔	Dermatomyositis [DRB1 RISK ALLELE] (Genotype) - SINGLE ASSAY TEST - Blood or Tissue Samples preferred			Cc - ONE COPY OF THE DRB1 VARIANT DETECTED [THIS IS ONE OF THE 3 LOCI ASSOCIATED WITH DERMATOMYOSITIS]
✔	Dermatomyositis [DRB1 RISK ALLELE] (Haplotype) - SINGLE ASSAY TEST - Blood or Tissue Samples preferred			002:01/015:01
✔	Grey Collie Syndrome (Cyclic Hematopoiesis) AP3	AP3B1	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✔	Ivermectin Sensitivity MDR1 (Multi Drug Resistance)	MDR1		POSITIVE HETEROZYGOUS (P/N) - [ONE COPY OF THE DOMINANT VARIANT DETECTED]

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

Breed Sense	Disease	Gene	Genotype	Interpretation
✔	Juvenile Dermatomyositis [MAP3K7CL RISK ALLELE]	MAP3K7CL		Bb - ONE COPY OF THE MAP3K7CL VARIANT DETECTED [THIS IS ONE OF THE 3 LOCI ASSOCIATED WITH DERMATOMYOSITIS]
✔	Juvenile Dermatomyositis [PAN2 RISK ALLELE]	PAN2		Aa - ONE COPY OF THE PAN2 VARIANT [THIS IS ONE OF THE 3 LOCI ASSOCIATED WITH DERMATOMYOSITIS]
✔	Malignant Hyperthermia	RYR1	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✔	Progressive Retinal Atrophy RCD2 (Collie Type)	RD3	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]
✔	Recurrent Inflammatory Pulmonary (Collie Type)	AKNA on chromosome 11	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]

Breed Sense	Disease	Gene	Genotype	Interpretation
✔	von Willebrand's Disease Type II	vWF	WT/WT	NORMAL (N/N) - [NO VARIANT DETECTED]