LABOKLIN
LABORATORY FOR CLINICAL DIAGNOSTICS

Test Result

Sample ID: 1912-W-62671
Result Date: 18/12/2019

Veterinary Surgeon

HAMPTON VETERINARY CENTRE
HAMPTON
MALPAS
CHESHIRE
SY14 8JQ

info@hamptonvetcentre.co.uk

Owner

MS JEANETTE NEWTON

rockforce@btopenworld.com

Animal Details

Animal:	CANINE	D.O.B	25/10/2018
Name	STRETTONHILL'S QUICKFIRE AT ROCKFORCE (LOGAN)	Microchip No.	900200000809492
Breed	GERMAN SHEPHERD DOG	KC Reg	AV04285201
Sex	MALE	Tattoo No.	

Sample

Sample Material	EDTA BLOOD	Sample received:	13/12/2019
Sample Date:			

Test

Test Name:	8473 Mucopolysaccharidosis type VII (MPS VII)

Result

Genotype:	N / N (CLEAR)
Interpretation:	The examined animal is homozygous for the wild type allele. It does not carry the causative mutation for Mucopolysaccharidosis type VII in the GUSB-gene. Trait of inheritance: autosomal-recessive The test result is only valid for the submitted sample.

********** END OF RESULT **********

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Sample

Sample Material	EDTA BLOOD	Sample received:	13/12/2019
Sample Date:			

Test

Test Name:	8222D HAEMOPHILIA A (FACTOR VIII DEFICIENCY) IN GERMAN SHEPHERD

Result CLEAR

Genotype:	FEMALE: X(N)/X(N) MALE: X(N)/Y
Interpretation:	The examined animal is homozygous for the wild type allele. It does not carry the causative mutation for Haemophilia A in the FVIII-gene. Trait of inheritance: X chromosomal-recessive Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: German Shepherd The current result is only valid for the sample submitted to our laboratory.

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Sex	MALE	Tattoo No.	

Sample

Sample Material	EDTA BLOOD	Sample received:	13/12/2019
Sample Date:			

Test

Test Name:	8158D Degenerative Myelopathy (EXON 2)

Result

Genotype: N/N (exon 2) (Clear)

Interpretation: The dog is homozygous normal for the intact SOD1-gene.

The dog does not carry the mutation in exon 2 of the SOD1 that is suggested to be a major risk factor for the development of Degenerative Myelopathy.

Please note: In the Bernese Mountain Dog breed the mutation in exon 1 of SOD1-gene occurs also in correlation with DM.

The dog can pass only the normal gene on to all its offspring.

The currently known mutation has been analysed.

The result is only valid for the submitted sample.

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Breed	GERMAN SHEPHERD DOG	KC Reg	AV04285201
Sex	MALE	Tattoo No.	

Sample

Sample Material	EDTA BLOOD	Sample received:	13/12/2019
Sample Date:			

Test

Test Name:	8154D Hyperuricosuria (All Dog Breeds, American Bulldog, Black Russian Terrier, Bulldog, Dalmatian, French Bull Dog)

Result

Genotype:	N / N (Clear)
Interpretation:	The examined animal is homozygous for the Wild-type allele. It does not carry the HUU causative mutation in the SLC2A9-gene. Trait of inheritance: autosomal-recessive The currently known mutation has been analysed. The result is only valid for the submitted sample.

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Sample

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Test

Test Name:	8124 Coat (Hair) Length I (HlHd1 SNP G284T)

Result

Genotype:	l/l (long hair)
Interpretation:	The examined animal is homozygous for the l-allele. The test detects the alleles L (short hair) and l (long hair). Allelic series: L dominant over l The currently known mutation has been analysed. Please note: We have changed the nomenclature of the gene for hair length according to the international standard: Genotype LL is in accordance with genotype KK of the old nomenclature; genotype Ll is in accordance with genotype KL of the old nomenclature; genotype ll is in accordance with genotype LL of the old nomenclature.

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Sex	MALE	Tattoo No.	

Sample

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Sample Date:			

Test

Test Name:	8142 Dwarfism (Pituitary Dwarfism / Hypopituitarism)

Result

Genotype:	N/N (Clear)
Interpretation:	The examined animal is homozygous for the wild type allele. It does not carry the causative mutation for Dwarfism in the LHX3-gene. Trait of inheritance: autosomal-recessive Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: German Shepherd, Saarlooswolfdog, Czechoslovakian Wolfdog This result is only valid for the submitted sample material.

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Breed	GERMAN SHEPHERD DOG	KC Reg	AV04285201
Sex	MALE	Tattoo No.	

Sample

Sample Material	EDTA BLOOD	Sample received:	13/12/2019
Sample Date:			

Test

Test Name:	8032 MDR1 Gene Defect / Ivermectin Sensitivity

Result

Genotype:	N/N (+/+) (Clear)
Interpretation:	The examined animal is homozygous for the wild type allele. It does not carry the causative mutation for MDR in the ABCB1-gene. Trait of inheritance: autosomal-recessive Scientific studies found association between the mutation and symptoms of the disease in the following breeds: Australian Shepherd, Border Collie, Elo, German Shepherd, Longhaired Whippet, McNab, Old English Sheepdog, Rough/Smooth Collie, Shetland Sheepdog, Silken Windhound, Wäller and White Shepherd The DNA-test is run according to the publication of Mealey et al. (2001) "Ivermectin sensitivity in collies is associated with a deletion mutation of the mdr1 gene." and detects the mutation MDR1 nt230 (del4). The result is only valid for the submitted sample.

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Sample

Sample Material	EDTA BLOOD	Sample received:	13/12/2019
Sample Date:			

Your dog's DNA will be stored for 5 years and will be available for further testing. If you wish to order further tests on this dog, you don't have to submit a new sample; simply write the above sample ID on the order form, or mark which test(s) you require from the list below and return together with the order form. You can also order by calling us on *0161 282 3066* and quoting the sample ID.

The following tests are available for *German Shepherd*:

[ ]	8258D	Achromatopsia (ACHM) (Day Blindness)
[ ]	8158D •	Degenerative Myelopathy (DM Exon 2) •
[ ]	8006	DNA ID Profile (Genetic Fingerprint)
[ ]	8142	Dwarfism (Pituitary Dwarfism / Hypopituitarism)
[ ]	8222D	Haemophilia A (Factor VIII Deficiency)
[ ]	8319	Hemorrhagic Diathesis (HD) / Bleeding Diathesis (Canine Scott Syndrome)
[ ]	8154D	Hyperuricosuria (HUU, SLC) (*All Breeds*)
[ ]	8327	Leukocyte Adhesion Deficiency type III (LAD III)
[ ]	8032	MDR1 Gene Defect / Ivermectin Sensitivity *
[ ]	8062	MH (Malignant Hyperthermia) (*All Breeds*)
[ ]	8069	MPS (Mucopolysaccharidosis Type VII)
[ ]	8301	Renal Cystadenocarcinoma and Nodular Dermatofibrosis (RCND)
[ ]	8344	***Special Offer:*** Degenerative Myelopathy (DM Exon 2) + MDR1 Gene Defect / Ivermectin Sensitivity *

• This test is part of the Official UK Kennel Club DNA testing scheme, please sign the declaration below.

Coat Colours / Length

[ ]	8144	A Locus Agouti (Fawn / Sable, Black and Tan / Tricolour, Recessive Black)
[ ]	8124	Coat (Hair) Length I
[ ]	8018	E Locus
[ ]	8146	EM Locus Melanistic Mask Allele (Em)

***Declaration**: I accept that, for UK registered dogs, results of the tests above which are part of the Official UK Kennel Club DNA testing scheme will be sent to the Kennel Club and published as part of the Kennel Club scheme.*

Signed ..... (owner / agent) Date: .....

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