

Animal : **Quash Marvelous Hagler de Stafflorence**

Identification No. :	380 260 160 176 743	Owner :	Florence-Alessandro GICQUEL-BOVECCHI
Breed :	Staffordshire Bull Terrier	Sample No. :	E00824364 (sampled on 15/11/2022)
Gender :	Male	Result code :	A00046270
Birth date :	26/02/2021	Sampler :	Mark MINCHER-LOCKETT
Pedigree :		Sample :	authenticated
Result validated on :	08/09/2023	Document issued on :	08/09/2023

DISEASES

	GENE Mutation	Expression mode	RESULT	EXPRESSION	TRANSMISSION
L-2-Hydroxyglutaric Aciduria	L2HGDH g.129771C>A c.1294C>T	Autosomal recessive	Normal homozygous	✓	✓
Hereditary Cataract	HSF4 g.8138858C>G	Autosomal recessive	Normal homozygous	✓	✓
Hyperuricosuria	SLC2A9 g.456C>T	Autosomal recessive	Normal homozygous	✓	✓
Multidrug Sensitivity (MDR1)	MDR1 c.327_330delATAG	Autosomal codominant	Normal homozygous	✓	✓

INTERPRETATION OF THE RESULT

Normal homozygous : the animal carries 2 normal copies of the gene.

Heterozygous : the animal carries a normal copy and a defective copy of the gene.

Mutated homozygous : the animal carries 2 defective copies of the gene.

EXPRESSION

✓ The animal will not develop the form of the disease associated to the tested mutation.

⚠ The animal will develop the disease without being able to predict the age of onset or severity of symptoms.

TRANSMISSION

The animal does not transmit the tested mutation.

The animal will transmit the tested mutation to all or part of its offspring. Reproduction is to be avoided or adapted according to the disease and the associated frequency.