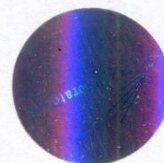




Certificate of DNA analysis of an animal in professional breeding programs

Owner / Breeder

Surname and name: Achtig Sabina
Address: Großreichenbach 17
3931 Schweigergers
Phone: +436644360166
E-mail: friends@casa-de-filler.at



Animal and Sample:

Species: Dog
Breed: Scent Hound from the Save Valley
Name of the animal: CASA DE FILLER TRYTOBE NEVER ALONE - LOONA
Sex: Female
Date of birth: 22.9.2021
Chip / Ring Nr.: 040098100588060
Tattoo number:
Date of sample receipt: 19.6.2024 00:00:00
Reg. number: ÖHZB/ASH 4791
Date of result release: 21.6.2024 13:56:29
Biological material: Anti-coagulated blood
Sampled by: veterinary doctor

The identity of the animal has been verified at the time of sampling by an independent person.

Description of the molecular technology used:

Total DNA has been isolated from the sampled biological material. PCR amplification of all specified molecular targets (see table of this Document) has been followed by fragment analysis using ABI3500 capillary sequencer and bioinformatic analysis.

Precise specification of the analyzed genetic abnormalities, results and their interpretation:

Genetic trait Associated gene Specification of the mutation	Genetic description of the result
Merle coat pattern SILV SINE insertion (m/Mc/Mc+/Ma/Ma+/M/Mh)	m/M

The size of the Merle allele: 268 bp (M)

Interpretation of the genetic description and terminology:

Wild type: m/m - neither of the investigated alleles of the gene harbor SINE insertion

Heterozygous mutation - one of the investigated alleles harbor SINE insertion, the other is wild type (without SINE insertion)

Compound heterozygous mutation - both investigated alleles of the gene harbor a SINE insertion

Homozygous mutation - both investigated alleles of the gene harbor the same SINE insertion

Cryptic Merle: Mc - the length of SINE insertion ranges from 200 to 230 bp

Mc+ - the length of SINE insertion ranges from 231 to 246 bp

Atypical Merle: Ma - the length of SINE insertion ranges from 247 to 254 bp

Ma+ - the length of SINE insertion ranges from 255 to 264 bp

Merle: M - the length of SINE insertion ranges from 265 to 268 bp

Harlequin Merle: Mh - the length of SINE insertion ranges from 269 to 300 bp

The result has been approved by:

MUDr. Peková Soňa, Ph.D.

TILIA LABORATORIES s.r.o.

Laboratoř Molekulární Diagnostiky

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Result number:

CU090/11220

Date of result release:

21.6.2024

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Disclaimer: The results are pertinent only to the sample tested. The protocol can only be interpreted in its complete form unless officially approved by the laboratory.