



VEMODIA

Certificate of DNA analysis of an animal in professional breeding programs

Owner / Breeder:

Name and surname: Kateřina Komedová
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Animal and Sample:

Species: DOG
Breed: Belgian Malinois
Name of the animal: **Nadia ze Svobodného dvora**
Gender: Female
Chip number: 981098102608169
Tattoo number: -
Analyzed material: Peripheral blood

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

Certificate number: AC356

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 direct sequencing using Next Generation Sequencing platform IonTorrent PGM, capillary sequencing platform ABI3500 and bioinformatic analysis.

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

Genetically determined disease	Associated gene	Specification of the mutation	Genetic description of the result
Spongy degeneration with cerebellar ataxia (SDCA1)	KCNJ10	c.986T>C	Wild type

Interpretation of the genetic description and terminology:

Wild type – neither of the investigated alleles of a gene harbor mutation (both investigated alleles are healthy/normal)

Heterozygous mutation – one of the investigated alleles is healthy/normal, the other harbors mutation

Homozygous mutation – both investigated alleles of a gene harbor the same mutation

The Document contains 2 pages and can only be interpreted in its complete form.

The analysis was carried out by (person responsible):

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Tereza Jancuskova, M.A., Ph.D.

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