

Result of DNA analysis of an animal in professional breeding programs

Owner / Breeder

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Animal and Sample:

Species: Dog
Breed: Poodle Standard
Name of the animal: **AMAREA ROYAL GLOW**
Sex: Female **Date of birth:** 15.6.2017
Chip number: 945000006057983 **Tattoo number:**
Date of sample receipt: 14.1.2019 00:00:00 **Reg. number:** CLP/P/19820
Date of result release: 16.1.2019 12:25:55
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 direct sequencing using Next Generation Sequencing platform IonTorrent PGM and / or Sanger sequencing platform ABI3500, and bioinformatic analysis.

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

Genetically determined disease Associated gene Specification of the mutation	Genetic description of the result
Von Willebrand Disease; type I vWF c.7437G>A	wild type homozygous
Degenerative Myelopathy SOD1 c.118G>A	wild type homozygous
Malignant Hyperthermia RYR 1 c.1640T>C	wild type homozygous
Neonatal Encephalopathy with Seizures ATF2 c.152T>G	wild type homozygous

Genetic description and terminology:

Wild type homozygous - 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

Compound heterozygous mutation - both alleles of the gene harbor different mutations

The result has been approved by:
MUDr. Peková Soňa, Ph.D.

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Result number: AI320/11630

Date of result release: 16.1.2019

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Společnost vedená u krajského soudu v

Ostravě, oddíl B, vložka 10600

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.