

Certificate 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: 19.3.2019 14:16:14
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:

Genetically determined disease Associated gene Specification of the mutation	Genetic description of the result
Progressive Retinal Atrophy; rcd4 C2orf71 c.3149_3150insC	wild type homozygous

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

Compound heterozygote - both investigated alleles of a gene harbor a different mutation

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

The result has been approved by:

MUDr. Peková Soňa, Ph.D.

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Result number: AI320/11356
Date of result release: 19.3.2019

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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.