



## Certificate of DNA analysis of an animal in professional breeding programs

### Owner / Breeder:

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### Animal and Sample:

**Species:** DOG  
**Breed:** Louisiana Leopard Catahoula dog  
**Name of the animal:** Doredhiel Ayra Aranel  
**Gender:** Female  
**Chip number:** 941000018964153  
**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: AE479

### 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 capillary electrophoresis using ABI3500 instrument 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
Merle coat pattern	SILV	SINE insertion	M/M M – SINE insertion ~268 bp

*Interpretation of the genetic description and terminology:*

**Wild type** – neither of the investigated alleles of a gene harbor SINE insertion

**Atypical merle (Ma)** – the length of SINE insertion ranges from 240 to 250 bp

**Cryptic merle (Mc)** – the length of SINE insertion ranges from 200 to 230 bp

**Merle (M)** – the length of SINE insertion ranges from 260 to 280 bp

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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