

Abstammungsanalyse – DNA Analyse – Pferde Horse DNA Identity Test


- 1** Tier Name / Animal Name **Maxy** **2** Besitzer / Owner **Max Mustermann**
CAG Tier ID / CAG Animal ID **XXXXX** CAG Kunden ID / CAG Client ID **XXXXX**
Rasse / Breed
Zuchtbuchnummer / Registration Nr.
Mikrochipnummer / Microchip Nr.
- 1b** Candidat Vater / Candidate Sire **Frieder**
Zuchtbuchnummer / Registration Nr.
- 3** **Ergebnisse / Results:** Maxy kann **nicht** als Nachfahre von Frieder bestätigt werden.
*Maxy is **excluded** as the offspring Frieder.*

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Horse	Lokus	HMS6	ASB2	HMS2	LEX3	TKY321	TKY312	TKY301	TKY374	TKY325	TKY333
Maxy	Allele	O / P	I / Q	H /	L / M	L / O	G /	K /	J / O	I / J	L / M
Frieder	Allele	K / M	M /	I /	H /	M / Q	I /	M / O	L / N	L / M	K / Q

Bei der Abstammungsanalyse wurden 31 Mikrosatelliten-Marker (STRs) untersucht (empfohlen durch ISAG (International Society of Animal Genetics)). Maxy und Frieder zeigen in 10 dieser Marker keine gemeinsamen Allele auf; um eine Abstammung endgültig auszuschließen, müssen sich Allele in mindestens zwei Markern unterscheiden. Diese Anzahl an Unterschieden schließt Frieder als Vater von Maxy eindeutig aus.

Thirty-one microsatellite markers (STRs) from the ISAG (International Society of Animal Genetics) parentage panel were examined. Maxy and Frieder had no alleles in common in ten markers; two is sufficient to exclude parentage. This definitively excludes Frieder as a candidate sire of Maxy.

- 5** Genotypen werden nach des ISAG Nomenklatur benannt. Alle Proben und zugehörige Daten werden archiviert. Sie sind als Referenz und für zukünftige Tests verfügbar. *Genotypes are assigned using ISAG nomenclature. Samples and data are archived for reference and future analysis.*
- 6** XX.XX.XXXX
Datum / Date
Laboratory ISAG ID: 112496
- 7** 
Dr. Melissa L. Cox
Wissenschaftliche Leitung / Scientific Lead

Parentage Testing

In the CAG Parentage Test, DNA Identity Profiles are generated for each of the three animals submitted (foal, mare, sire). They are then compared in order to establish the kinship between animals; parents can be validated or excluded.

- 1** **Animal Information (Offspring)**
Here you'll find information like:
- Name, Breed, Registry Number, Microchip Number
 - A CAG-Animal ID
- 1b**
- Animal Information (Parent)**
- 2** **Owner Information**
Here you'll find your/the owner's information:
- Name, Address
 - CAG-Client ID
- 3** **Interpretation of Results**
This part contains the interpretation of the in part 4 listed results. Kinship can be validated or excluded.
- 4** **Comparison of Results**
Interpretation is reinforced by a detailed comparison of results of different alleles.
- 5** **Additional Information**
Here you'll find complementary information.
- 6** **ISAG ID**
CAG is a member of the International Society for Animal Genetics (ISAG) and participates in the biannual conducted ISAG-Parentage Typing Comparison Test for horses and dogs.
- 7** Each report is reviewed by one of our genetic experts before dispatching. The result may be shipped to your breed club, if requested.