Results of Breed Analysis for Horses

Test report according to DIN EN/ISO/IEC 17025:2018 Report ID: [redacted]
This certificate replaces an existing report with ID:

[redacted]

Species: **Horse**
Breed: **breed not given**
Sex: [redacted]
Date of birth: [redacted]
Registration No.: [redacted]

Chip/Tattoo: [redacted]
Origin:
Registered with: [redacted]
Organisation:
DNA Program:

Sample: [redacted]
Material: [redacted]
Order: [redacted]
Order date: [redacted]

Witness:
Medium: [redacted]
Customer: [redacted]
Date completed: [redacted]

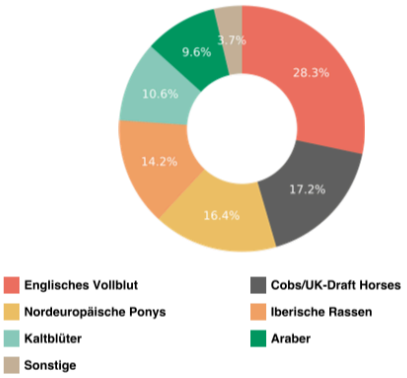
Received: [redacted]
Date of report: [redacted]

Ref. 1: Petersen et al., (2013) Genetic Diversity in the Modern Horse Illustrated from Genome-Wide SNP Data, doi.org/10.1371/journal.pone.0054997

Ref. 2: McCue et al., (2012) A High Density SNP Array for the Domestic Horse and Extant Perissodactyla: .., doi.org/10.1371/journal.pgen.1002451

Marker panel: Illumina Genotyping Beadchip Equine80selectPL (consortium version)

I. Beteiligte Rassen und Rassengruppen



Das Diagramm zeigt die Zusammensetzung des Erbguts für das untersuchte Tier im Hinblick auf den Beitrag der Rassengruppen sowie der Rassen mit klarer Abgrenzung (Englisches Vollblut, Araber und Friese). Rassengruppen werden verwendet, um diejenigen Rassen zusammenzufassen, die eine gemeinsame Zuchtausrichtung und ähnliche genetische Merkmale aufweisen.

II. Genetic Concordance with Specific Breeds

Appaloosa
Hanoverian
Quarter Horse
American Paint Horse

The 2nd part of the report presents the similarity between the genome of the analyzed horse and the genetic structure of other horses. The list indicates, in descending order, the breeds to which the most similar horses belong. In this way, currently 93 different breeds can be assessed and assigned.Please note: Horses whose breed is represented as part of a breed group do not necessarily show 'their' breed as the top result in the similarity analysis. This is due to the ongoing crossbreeding with other breeds.

Sample: [redacted]
Material: [redacted]
Order: [redacted]
Order date: [redacted]

Witness:
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