DNA identity certification (SNP marker profile)

Mr Gallopy

Species: **Horse**
Breed: **breed not given**
Sex: **female**
Date of birth: **13.07.2022**
Registration No.: 00000000000000 HBRD-CAG000000UK

Chip/Tattoo: 00000000000000
Origin: **-**
Registered with: **-**
Organisation/ **-**
DNA program:

The QR code provides the values of 100 SNP markers that uniquely identify the examined animal. These markers and their allele values can also be found on the third page of this report.
The animal thereby has a tamper-proof evidence of identity, which can be confirmed at any time by analysing a second sample.

Depending on the animal species, the complete profile includes further markers that may be required for use in parentage assessments. The complete SNP profile is available for download in the animal's online record in the Animal Trust Center.

Sample No.:0000000 Material: **hair roots** Medium: **pouch** Received: **31.03.2026**
Witness: **-**

Customer: **EDL**
Order No.: 00000 Order date: **31.03.2026** Date completed: **13.04.2026**
Date of report issue: **13.04.2026**

Procedure
Ref. 1: Holl et al. 2017, Hiratoa et al. 2010
Ref. 2: Illumina Genotyping Beadchip Equine80selectPL (consortium version)
Marker panel: ISAG 2017 (Etalon SNP Panel, Tozaki SNP Panel)

Test report according to DIN EN ISO/IEC 17025:2018 – Report ID: 000000
This certificate replaces an existing report with ID:

Information about the animal from which the investigated sample has been taken are provided by the orderer ascited aboveand are subject to the orderer's sole responsibility. All statements of Generatio GmbH are based on the terms and conditions put forth on our website **www.generatio.com** and have been agreed to by the orderer's sample submission.

DNA identity certification (SNP marker profile)

Mr Gallopy

Species: **Horse**

Markerset: **SNP-ID-Horse Set1**

Values of alleles:

1. Ecab3_1:102064301 A T
2. Ecab3_1:138952199 G G
3. Ecab3_1:153884290 T C
4. Ecab3_1:166558500 C A
5. Ecab3_1:24061890 G T
6. Ecab3_1:58467310 A A
7. Ecab3_1:80153010 T C
8. Ecab3_1:81012680 G T
9. Ecab3_1:88325310 C A
10. Ecab3_10:44453210 G G
11. Ecab3_10:4751500 A T
12. Ecab3_10:48342300 C G
13. Ecab3_10:52573200 T T
14. Ecab3_10:60049110 A G
15. Ecab3_10:64622310 C C
16. Ecab3_10:65321500 G T
17. Ecab3_10:7701300 A A
18. Ecab3_10:922500 G C
19. Ecab3_11:29398300 T A
20. Ecab3_11:50633400 C C
21. Ecab3_11:57232300 G T
22. Ecab3_11:7641300 A G
23. Ecab3_12:22012500 T T
24. Ecab3_12:32403700 C A
25. Ecab3_12:3878300 G G
26. Ecab3_12:5186200 T C
27. Ecab3_13:19184500 A A
28. Ecab3_13:35676900 C T
29. Ecab3_13:3798000 G G
30. Ecab3_14:14775400 T A
31. Ecab3_14:4666300 C C
32. Ecab3_14:64551600 G T
33. Ecab3_14:68191400 A G
34. Ecab3_14:69988120 T C
35. Ecab3_14:83088320 G G
36. Ecab3_15:1201200 C T
37. Ecab3_15:48661200 A A
38. Ecab3_15:52664150 G T
39. Ecab3_16:1496000 C C
40. Ecab3_16:24835750 A G
41. Ecab3_16:27983950 T T
42. Ecab3_16:36915400 G A
43. Ecab3_16:3860400 C T
44. Ecab3_16:42323400 A A
45. Ecab3_16:71914500 T C
46. Ecab3_16:83054100 C G
47. Ecab3_16:84257300 A A
48. Ecab3_16:8598000 G T
49. Ecab3_17:17649600 C C
50. Ecab3_17:27036200 T G
51. Ecab3_17:77710000 A A
52. Ecab3_17:78660100 G C
53. Ecab3_18:11431300 T T
54. Ecab3_18:17621400 C A
55. Ecab3_18:2190600 G G
56. Ecab3_18:34581100 A T
57. Ecab3_18:56944200 C C
58. Ecab3_18:81925100 G A
59. Ecab3_19:11500100 T C
60. Ecab3_19:19611000 A A
61. Ecab3_19:42595100 G T
62. Ecab3_19:48488600 C C
63. Ecab3_2:120778600 A G
64. Ecab3_2:17808400 T T
65. Ecab3_2:2079000 C A
66. Ecab3_2:22900500 G G
67. Ecab3_2:46942300 A G
68. Ecab3_2:70756200 C C
69. Ecab3_2:78433800 T G
70. Ecab3_2:98905600 G G
71. Ecab3_20:16383500 A T
72. Ecab3_20:33600900 G G
73. Ecab3_20:40481600 T C
74. Ecab3_20:49037700 A A
75. Ecab3_22:19064600 C T
76. Ecab3_22:2011000 G G
77. Ecab3_22:30797400 T A
78. Ecab3_22:3326200 C C
79. Ecab3_22:40978700 G T
80. Ecab3_23:16413100 A A
81. Ecab3_23:19540500 C G
82. Ecab3_23:4277700 T T
83. Ecab3_24:12615400 G C
84. Ecab3_24:17444200 A A
85. Ecab3_24:27556100 C T
86. Ecab3_24:28656400 G G
87. Ecab3_24:45741900 T A
88. Ecab3_25:12340200 C C
89. Ecab3_25:14083000 A G
90. Ecab3_25:27333800 T T
91. Ecab3_26:19267700 G A
92. Ecab3_26:1937400 C C
93. Ecab3_26:30370400 T G
94. Ecab3_26:42126200 A A
95. Ecab3_26:5117200 G T
96. Ecab3_27:18560700 A A
97. Ecab3_27:19761700 C T
98. Ecab3_27:38093300 G G
99. Ecab3_27:39476900 T C

The complete profile can be downloaded by authorised persons in the corresponding ATC animal record.

Test report according to DIN EN ISO/IEC 17025:2018 – Report ID: 000000
This certificate replaces an existing report with ID:

ISAG

Results of Breed Analysis for Horses

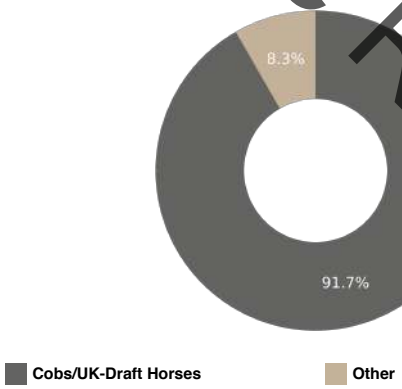
Test report according to DIN EN/ISO/IEC 17025:2018 Report ID: 00000
This certificate replaces an existing report with ID:

Mr Gallopy

Species: **Horse**
Breed: **breed not given**
Sex: **female**
Date of birth: **13.07.2022**
Registration No.: **000000000000 I HBRD-CAG00000UK**

Chip/Tattoo: **000000000000000**
Origin:
Registered with:
Organisation:
DNA Program:

I. Breeds and Breed Groups Involved



The chart shows the composition of the genome of the analyzed horse, illustrating the contribution of the breed groups as well as the distinctly identifiable breeds (English Thoroughbred, Arabian, and Friesian). Breed groups are used to summarize those breeds that share a common breeding orientation and similar genetic characteristics.

II. Genetic Concordance with Specific Breeds

Tinker
Irish Cob
Cob
Dales Pony

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.

Scan the QR code to access our breed analysis information page. There you will find detailed explanations about the reference populations included in the test, the parameters considered in the analysis, and the specific aspects taken into account when evaluating breeds and breed groups.

Sample: **000000000**
Material: **hair roots**
Order: **363193**
Order date: **31.03.2026**

Witness:
Medium: **pouch**
Customer: **EDL**
Date completed: **13.04.2026**

Received: **31.03.2026**
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