

CERTIFICATE OF GENETIC ANALYSIS - DOG**Owner:**

Bastiaan Vogel, Struweel 8, 3892CE, Zeewolde, Netherlands

GENETIC TEST: B-locus (Brown)

Name:	MAKANYI EL-FAIYUM
Breed:	Rhodesian Ridgeback
Sex:	Male
Date of Birth:	18.7.2016
Registration number:	NHSB3051735
Chip:	528140000654919
Sample / ID / Lab ID:	Buccal swab / Makanyi / BB9
Sample received:	4.1.2022

RESULT: B / B (no variant)**Result interpretation:**

B / B (no variant) - the tested individual does not carry brown color disposition.

B / bc or B / bs or B / bd (carrier) - the tested individual is a carrier of brown disposition.

bc / bc or bd / bd or bs / bs (homozygous for the variant) - the individual should be brown for typical parts in the breed.

bc / bs or bc / bd or bd / bs (compound heterozygote) - the individual should be brown, but note that it is not possible to describe the genotype for the B-locus without testing the parents, as it is not possible to distinguish whether the variants are on one or both copies of the gene (e.g. it is not possible to distinguish B/bc+bs from bc/bs).

Autorised by:
Miroslav Homak, Ph.D
Head of Laboratory**Date: 17.1.2022** **GenoCan**
genetic laboratory
Brno, Czech Republic

Primary sample: The animal identity was verified and sample taken by veterinarian or authorised person.

Test accuracy: The ordered genetic test detects variants c.991C>T, c.1033_1036delCCT and c.121T>A in TYRP1 gene.
The accuracy of the analysis is >98 %.