Partner Company of FCI

# DNA Certificaat

## Accordant International Pigeon Panel by ISAG

Certificaat op september 06, 2024 uitgevaardigd in Moen, België
Certificate updated september 06, 2024

SEP20240045

Scan deze QR-code om dit certificaat te verifiëren op "http://www.pigen.be"

发送此QR码以在网址 www.pigen.be 上验证此证书

The authenticity and updates of this certificate can be verified on "http://www.pigen.be"
This certificate[1] ensures parentage authenticity of pigeon BE24-6169372.

BE24-6169372

Gender by DNA: Cock
Certificaat: SEP20240045
Bewezen door DNA

BE20-6053001 vader

Certificaat: DEC20220263
Bewezen door DNA

BE17-6037517 moeder

Certificaat: APR20180138
Bewezen door DNA

grootvader

BE16-6060648 grootmoeder

Certificaat: JUN20170003
Bewezen door DNA

BE11-6168055 grootvader

Certificaat: APR20180139
Bewezen door DNA

BE12-6201317 grootmoeder

Certificaat: APR20180140
Bewezen door DNA

Ruben Lanckriet

Pascal Lanneau

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[1] This certificate is issued based on tests performed on DNA samples to PiGen by accredited veterinarians and/or FCI officials appointed by the persons that confirmed, on the date of DNA sampling, to be the respective owners of the pigeons with the ringnumbers mentioned in this certificate.

[2] DNA testing is done according to internationally agreed Pigeon Panel and recommendations by ISAG (International Society of Animal Genetics). The testing labs are certified according NEN-EN-ISO 9001. The probability of exclusion (PE) of this parentage verification is higher than 99,9%.

[3] The following DNA markers are scientifically associated with racing performance;
LDHA is a gene for a lactate dehydrogenase enzyme.
DRD4 or dopamine receptor 4 gene is an indicator for character traits.
CRY1 or cryptochrome 1 gene codes for a protein in the retina of the eye.
Calcium/calmodulin-dependent serine protein kinase (CASK) is a gene important for synapse formation in the brain and the nerve-muscle connection.
LDL Receptor related Protein 8 (LRP8) is a gene important for the growth of the hippocampus inside the brain.
The hippocampus is important for recognition of geographic structures and navigational abilities.
Glutathion-diSulfide-Reductase (GSR) is a protein that is associated with magnetoreception abilities.