



Partner Company of FCI



SEP20230118

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DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on September 15, 2023 in Moen, Belgium

Certificate updated December 05, 2023

The authenticity and updates of this certificate can be verified on "http://www.pigen.be"
This certificate¹ ensures parentage authenticity of pigeon BE21-4201732.

BE21-4201732

Gender by DNA: Hen

Quality Genes³:

DRD4: CCCT | LDHA: BB | CRY1: AGTT

Certificate: SEP20230118

Proven by DNA

BE18-4201204

father

Quality Genes³:

DRD4: CTCC | LDHA: BB | CRY1: AGTT

CASK: AG | GSR: TT | LRP8: HH

Certificate: NOV20190591

Proven by DNA

BE17-4202681

mother

Quality Genes³:

DRD4: CCTT | LDHA: BB | CRY1: AGAG

CASK: GG | GSR: TT | LRP8: HH

Certificate: NOV20190749

Proven by DNA

grandfather

grandmother

BE15-4211687

grandfather

Dark Blue

Certificate: DEC20170033

Proven by DNA

BE11-4310519

grandmother

Dochter Droomkoppel

Certificate: JAN20140333

Proven by DNA

Ruben Lanckriet

Pascal Lanneau

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.

