



Partner Company of FCI



DEC20220350

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DNA Certificaat

Accordant International Pigeon Panel by ISAG

Certificaat op december 06, 2022 uitgevaardigd in Moen, België
Certificate updated december 06, 2022

The authenticity and updates of this certificate can be verified on "http://www.pigen.be"
This certificate¹ ensures parentage authenticity of pigeon BE22-4217011.

BE22-4217011	BE11-4310566 vader Father Finn Quality Genes ³ : DRD4: CTCC LDHA: BB CRY1: AGTT Certificaat: NOV20160422 Proven by DNA	grootvader
Gender by DNA: Cock Certificaat: DEC20220350 Proven by DNA	BE19-4207135 moeder Quality Genes ³ : DRD4: CCCT LDHA: BB CRY1: AGAG Certificaat: OCT20200100 Proven by DNA	BE08-4346940 grootmoeder Certificaat: MAR20160045 Proven by DNA
		BE18-4201204 grootvader Quality Genes ³ : DRD4: CTCC LDHA: BB CRY1: AGTT CASK: AG GSR: TT LRP8: HH Certificaat: NOV20190591 Proven by DNA
		BE17-4202681 grootmoeder Quality Genes ³ : DRD4: CCTT LDHA: BB CRY1: AGAG CASK: GG GSR: TT LRP8: HH Certificaat: NOV20190749 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.

