



Partner Company of FCI



NOV20180382

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DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on November 30, 2018 in Moen, Belgium
Certificate updated August 29, 2023

The authenticity and updates of this certificate can be verified on "http://www.pigen.be"
This certificate¹ ensures parentage authenticity of pigeon BE16-4126201.

BE16-4126201 Mother Charlie Quality Genes ³ : DRD4: CTCC LDHA: AB Certificate: NOV20180382 Proven by DNA	BE15-4013418 father Quality Genes ³ : LDHA: AB Certificate: JUL20170090 Proven by DNA	BE11-5035555 grandfather Tarzan Quality Genes ³ : LDHA: AB Certificate: FEB20170041 Proven by DNA
		BE11-5035751 grandmother New Patricia Quality Genes ³ : DRD4: CTCC Certificate: FEB20170042 Proven by DNA
		grandfather
		grandmother

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.

