



Partner Company of FCI



APR20200063

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DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on April 17, 2020 in Moen, Belgium

Certificate updated April 17, 2020

The authenticity and updates of this certificate can be verified on "http://www.pigen.be"

This certificate¹ ensures parentage authenticity of pigeon BE19-4233369.

BE19-4233369	Certificate: APR20200063 Proven by DNA	BE13-4142684 father Ricky Quality Genes ³ : DRD4: CCCC LDHA: AB CRY1: TTTT Certificate: OCT20140440 Proven by DNA	BE10-4297445 grandfather Zoon Molleke Rik Cools Certificate: OCT20140377 Proven by DNA
BE18-4070995 mother Certificate: NOV20190750 Proven by DNA		BE17-4077403 grandfather Charlie Certificate: OCT20180167 Proven by DNA	BE14-2230972 grandmother Boxster Quality Genes ³ : DRD4: CCCT LDHA: AA Certificate: MAY20170099 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.

