



Partner Company of FCI



SEP20190383

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DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on September 25, 2019 in Moen, Belgium

Certificate updated December 11, 2019

The authenticity and updates of this certificate can be verified on "http://www.pigen.be"
This certificate¹ ensures parentage authenticity of pigeon BE19-2144302.

BE19-2144302 Jef 212 Gender by DNA: Hen Certificate: SEP20190383 Proven by DNA	BE16-2051063 Jef Quality Genes ³ : DRD4: CTCT LDHA: AB Certificate: NOV20180022 Proven by DNA	BE14-2324365 Eddy Certificate: NOV20190043 Proven by DNA
	BE10-2022116 Mother Jef Quality Genes ³ : DRD4: CCCT LDHA: AA Certificate: AUG20190003 Proven by DNA	
	BE14-2173212 mother Certificate: SEP20190386 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.

