



Partner Company of FCI



DEC20190174

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DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on December 11, 2019 in Moen, Belgium
Certificate updated March 18, 2024

The authenticity and updates of this certificate can be verified on "<http://www.pigen.be>"
This certificate¹ ensures parentage authenticity of pigeon BE19-4184704.

BE19-4184704	father	
	BE14-2230911 Porsche 911	
Quality Genes ³ : DRD4: CCCC LDHA: AB Certificate: NOV20150010 Proven by DNA	grandfather	
	BE13-4176517 Wacko Freddy	
Quality Genes ³ : DRD4: CCCC LDHA: AB Certificate: SEP20150159 Proven by DNA	grandmother	
	BE13-6143659 Lieve	
Quality Genes ³ : DRD4: CCCT LDHA: AB Certificate: SEP20150162 Proven by DNA	grandfather	
Quality Genes ³ : DRD4: CTCC Certificate: DEC20190174 Proven by DNA	mother	
	BE18-6063796 New Kim	
Quality Genes ³ : DRD4: CCCC LDHA: AB Certificate: NOV20150010 Proven by DNA	grandmother	
	BE14-6072399	
Quality Genes ³ : DRD4: CCCC LDHA: AB Certificate: SEP20200339 Proven by DNA	Certificate: SEP20200362 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.

