



Partner Company of FCI



NOV20200134

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DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on November 09, 2020 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 BE20-4157580.

BE20-4157580 Miss Maria
Gender by DNA: Hen Quality Genes ³ : DRD4: CCCC LDHA: AB Certificate: NOV20200134 Proven by DNA

BE14-2230911 Porsche 911	father
Quality Genes ³ : DRD4: CCCC LDHA: AB Certificate: NOV20150010 Proven by DNA	

BE16-6023127	mother
Certificate: SEP20200338 Proven by DNA	

BE13-4176517 Wacko Freddy	grandfather
Quality Genes ³ : DRD4: CCCC LDHA: AB Certificate: SEP20150159 Proven by DNA	

BE13-6143659 Lieve	grandmother
Quality Genes ³ : DRD4: CCCT LDHA: AB Certificate: SEP20150162 Proven by DNA	

	grandfather

BE14-6072406	grandmother
Certificate: NOV20190569 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.

