



NOV20230247

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DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on November 08, 2023 in Moen, Belgium

Certificate updated November 09, 2023

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

This certificate¹ ensures parentage authenticity of pigeon DV07274-23-918.

DV07274-23-918		DV07274-08-879 grandfather Black Pearl
Gender by DNA: Cock Certificate: NOV20230247 Proven by DNA		Certificate: SEP20130201 Proven by DNA
	DV07274-18-300 father	
	Certificate: NOV20190960 Proven by DNA	
		grandmother
		grandfather
	QTR20-29131 mother	
	Gender by DNA: Hen Certificate: SEP20210056 Proven by DNA	
		DV07274-19-793 grandmother
		Gender by DNA: Hen Certificate: JAN20200317 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.