



DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on January 16, 2024 in Moen, Belgium

Certificate updated January 16, 2024



JAN20240126

Scan this QR code to verify this certificate on "<http://www.pigen.be>"

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

This certificate¹ ensures parentage authenticity of pigeon BE23-4164863.

BE23-4164863	father	BE14-2230911	grandfather
		Porsche 911	
Gender by DNA: Cock Certificate: JAN20240126 Proven by DNA	mother	Quality Genes ³ : DRD4: CCCC LDHA: AB Certificate: NOV20150010 Proven by DNA	
		BE16-4129304	
Gender by DNA: Hen Certificate: AUG20210187 Proven by DNA	grandmother	Quality Genes ³ : DRD4: CCTT LDHA: AB Certificate: JUN20180185 Proven by DNA	
		BE13-3126131	
		Schumi junior	
		Certificate: SEP20150158 Proven by DNA	
		grandmother	

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.

