





DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on December 02, 2017 in Moen, Belgium Certificate updated December 02, 2017

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



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This certificate ¹ ensures parentage auth	enticity of pigeon BE15-4211687.	
		grandfather
		6
	BE10-3020303 father	
	Cools duiver	
	Certificate: JAN20140320	grandmother
	Proven by DNA	
BE15-4211687		
Dark Blue	A Company of the Comp	
Certificate: DEC20170033		
Proven by DNA	All the second s	grandfather
	BE11-4286521 mother	
	Certificate: JAN20140379	
	Proven by DNA	
		grandmother
Ruben Lanckriet	Pascal Lanneau	
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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.

Certificate generated on 07-09-2025

Pigen VOF, Keiberg 31, 8552 Moen, Belgium

Quality

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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.