

DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on April 30, 2018 in Moen, Belgium Certificate updated December 06, 2021

The authenticity and updates of this certificate can be verified on "http://www.pigen.be" This certificate¹ ensures parentage authenticity of pigeon BE17-6037517.



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

发送此QR码以在网址 www.pigen.be 上验证此证书

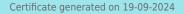
			grandfather
	BE11-6168055	father	
	Certificate: APR20180139 Proven by DNA		grandmother
BE17-6037517			
Certificate: APR20180138 Proven by DNA			
	BE12-6201317	mother	grandfather
	Certificate: APR20180140 Proven by DNA		
			grandmother
Ruben Lanckriet	Pascal Lanneau		

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.



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%.