



DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on juillet 31, 2018 in Moen, Belgium

Certificate updated juin 11, 2022



JUL20180051

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

The authenticity and updates of this certificate can be verified on "<http://www.pigen.be>"
This certificate¹ ensures parentage authenticity of pigeon BE18-4202458.

BE18-4202458
Gender by DNA: Hen Certificate: JUL20180051 Proven by DNA

BE15-1029362	father
Best Kittel	
Certificate: FEB20180033 Proven by DNA	

BE15-1011404	mother
Shakira	
Certificate: MAR20180008 Proven by DNA	

BE09-9004414	grandfather
Father Best Kittel	
Certificate: FEB20180017 Proven by DNA	

BE14-1034371	grandmother
Mother Best Kittel	
Certificate: FEB20180018 Proven by DNA	

	grandfather

	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 to 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.

