Partner Company of FCI

# DNA Certificate

## Accordant International Pigeon Panel by ISAG

Certificate issued on September 10, 2021 in Moen, Belgium
Certificate updated February 27, 2026

SEP20210369

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 certificate[1] ensures parentage authenticity of pigeon BE21-4153464.

**BE21-4153464**
**PORSCHE MACHINE**

Gender by DNA: Cock
Quality Genes[3]:
DRD4: CCCC | LDHA: BB | CRY1: AGAG
CASK: AA | GSR: TT | LRP8: HQ
Certificate: SEP20210369
Proven by DNA

BE14-2230911 father
Porsche 911

Quality Genes[3]:
DRD4: CCCC | LDHA: AB
Certificate: NOV20150010
Proven by DNA

BE20-4157580 mother
Miss Maria

Gender by DNA: Hen
Quality Genes[3]:
DRD4: CCCC | LDHA: AB
Certificate: NOV20200134
Proven by DNA

BE13-4176517 grandfather
Wacko Freddy

Quality Genes[3]:
DRD4: CCCC | LDHA: AB
Certificate: SEP20150159
Proven by DNA

BE13-6143659 grandmother
Lieve

Quality Genes[3]:
DRD4: CCCT | LDHA: AB
Certificate: SEP20150162
Proven by DNA

BE14-2230911 grandfather
Porsche 911

Quality Genes[3]:
DRD4: CCCC | LDHA: AB
Certificate: NOV20150010
Proven by DNA

BE16-6023127 grandmother

Certificate: SEP20200338
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.