Partner Company of FCI

# DNA Certificaat

## Accordant International Pigeon Panel by ISAG

Certificaat op januari 18, 2019 uitgevaardigd in Moen, België
Certificate updated februari 12, 2024

JAN20190209

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 BE15-4019357.

BE15-4019357
Brother Finn

Quality Genes[3]:
DRD4: CCCC | LDHA: AB | CRY1: AGTT
Certificaat: JAN20190209
Proven by DNA

BE11-4310566 vader
Father Finn

Quality Genes[3]:
DRD4: CTCC | LDHA: BB | CRY1: AGTT
Certificaat: NOV20160422
Proven by DNA

BE14-4282328 moeder
Mother Finn

Quality Genes[3]:
DRD4: CCCC | LDHA: AA | CRY1: AGAG
Certificaat: NOV20160424
Proven by DNA

grootvader

BE08-4346940 grootmoeder

Certificaat: MAR20160045
Proven by DNA

grootvader

BE11-4222748 grootmoeder
dochter Droomkoppel

Certificaat: JAN20140360
Proven by DNA

Ruben Lanckriet

Pascal Lanneau

Because Quality gives QUALITY www.pigen.be

[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.