



DNA Certificate

Accordant International Pigeon Panel by ISAG

Certificate issued on septembre 18, 2015 in Moen, Belgium

Certificate updated mars 29, 2024



SEP20150162

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

This certificate¹ ensures parentage authenticity of pigeon BE13-6143659.

BE13-6143659 Lieve	BE03-6460062 Gladiator Certificate: SEP20130026 Proven by DNA	father	grandfather
Quality Genes ³ : DRD4: CCCT LDHA: AB Certificate: SEP20150162 Proven by DNA			grandmother
	BE03-6460053 Schoon Witpen Willy Certificate: SEP20130036 Proven by DNA	mother	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 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.
Glutathione-diSulfide-Reductase (GSR) is a protein that is associated with magnetoreception abilities.

