

DNA Analysis Results

Toulouse Cuby van de Lefwinus

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Breed-specific disorder results

Genetic analysis	Genotype	Interpretation
Laryngeal Paralysis with Polyneuropathy Type 3 (Leonberger) - LPPN3	WT/WT	Clear
Leukoencephalomyelopathy (Leonberger) - LEMP	WT/WT	Clear
Polyneuropathy 2 (Leonberger) - LPN2	WT/WT	Clear
Polyneurpathy 1 (Leonberger, St. Bernard) - LPN1	WT/WT	Clear

DLA-Typing

DOG DETAILS

Sample ID:	AA941171	Owner:	joke de Groot-Verweij
Call Name:	Toulouse Cuby van de Lefwinus	Microchip:	
Official Name:	Toulouse Cuby van de Lefwinus	Stud Book Number:	
Breed:	Leonberger	Sample Material:	EDTA-Blood
Sex:	Female		
Date of birth:	09.02.2023		

Sample collection performed by: **Official person of the breeding club**
Mw. E. Oudenaarden-Passchren

	Haplotype 1	Haplotype 2
DLA-DRB1	00601	00601
DLA-DQA1	005011	005011
DLA-DQB1	00701	00701

Interpretation: Homozygous - Match of all 3

Genetic analysis of the three DLA genes, DLA-DRB1, DLA-DQA1, and DLA-DQB1, showed that the examined dog has two identical gene combinations (haplotypes). This means the dog has completely identical versions of these three DLA genes, resulting in a limited genetic diversity. Usually, these genes are passed on together as a group of three to the next generation. The genetic testing was done based on the latest scientific knowledge.