



Pet Genetics Lab

www.petgeneticslab.co.uk

Compass House, Isle of Man Business Park, Isle of Man, IM2 2QZ

DNA Test Certificate: 31001812046739

Foresight Health® Dog

Name: Kate Brown	Dog name: Nala
Address:	Sex: F (DOB: 2018-03-12)
Microchip: 953010002596387	Breed: Labrador Retriever
KC name: Burghope Delphine	KC registration: AV01375504
Date Received: Feb 14, 2020	Results date: Feb 24, 2020

The DNA for this testing was collected by the owner/breeder.

Disorder	Mutation	Result
Achromatopsia (Cone Degeneration)	CNGA3 (c.1931_1933delTGG)	CLEAR
Alexander Disease	GFAP (c.719G>A)	CLEAR
Centronuclear myopathy	HACD1 ()	CLEAR
Congenital Myasthenic Syndrome	COLQ (c.1010T>C)	CLEAR
Cystinuria Type 1A	SLC3A1 (c.350delG)	CLEAR
Degenerative Myelopathy	SOD1 (c.100G>A)	CLEAR
Elliptocytosis	SPTB ()	CLEAR
Exercise-Induced Collapse	DNM1 (c.767G>T)	CLEAR
Hyperuricosuria	SLC2A9 (c.563G>T)	CLEAR
Labrador obesity susceptibility	POMC ()	CLEAR
Macular corneal dystrophy	LOC489707 (c.814C>A)	CLEAR
Copper Storage Disease (Menke)	ATP7A (c.980C>T)	CLEAR
Myotubular myopathy 1	MTM1 (c.465C>A)	CLEAR
Narcolepsy	HCRTR2 ()	CLEAR
Hereditary nasal parakeratosis	SUV39H2 (c.972T>G)	CLEAR
Oculoskeletal dysplasia 1	COL9A3 (insG)	CLEAR
Progressive Retinal Atrophy (PRA-CORD1/PRA-crd4)	RPGRIP1 (gross insertion)	CLEAR
Progressive Retinal Atrophy (GR-PRA2)	TTC8 (c.669delA)	CLEAR
Progressive Retinal Atrophy (PRA-PRCD)	PRCD (c.5G>A)	CLEAR

Pyruvate kinase deficiency	PKLR (c.799C>T)	CLEAR
Skeletal Dysplasia 2	COL11A2 (c.143G>C)	CLEAR
Copper Toxicosis (Wilson's Disease)	COMMD1 (gross deletion)	CLEAR

Guide to results

CLEAR	Clear means we have tested for the mutation known to cause the disorder and have not found it. Nala will not develop the disorder and does not carry it.
CARRIER	Carrier means we have tested for the mutation known to cause the disorder and have found one copy of it. Nala will not develop the disorder but can pass the mutation onto their offspring. If you choose to breed from this animal, care must be taken to ensure that any potential mate has tested CLEAR for the mutation Nala carries, otherwise approximately 25% of puppies will be affected with the disorder.
AT RISK	If your animal has any "at risk" mutations it means that our geneticists have determined that Nala is likely to develop the disorder. You should read the information about the disorder carefully, along with the notes left by our geneticists. It is advisable that you show this report to your vet during your next routine visit, unless otherwise indicated by the geneticist.

Disclaimer: we can only test for mutations which are currently known to cause specific disorders. This does not include mutations and disorders which have not yet been described.

Should Nala become ill you should always follow the advice of your veterinary surgeon.

This certificate was downloaded from our website on Feb 8, 2022.