

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

LYON DE TIERRAS CHARRAS  
*registered name*

GERMAN SHEPHERD DOG  
*breed*

1727831  
*film/test/lab #*

941000015177406  
*tattoo/microchip/DNA profile*

1757058  
*application number*

04/11/2017  
*date of report*

**RESULTS:**

DEGENERATIVE MYELOPATHY (DM): N/N, TWO NORMAL COPIES OF THE GENE ASSOCIATED WITH DM SUSCEPTIBILITY

DN42234701  
*registration no.*

M  
*sex*

08/02/2013  
*date of birth*

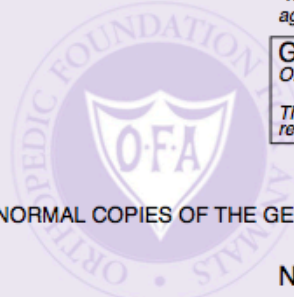
42  
*age at evaluation in months*

GS-DM6961/42M-PI  
*O.F.A. NUMBER*

*This number issued with the right to correct or  
revoke by the Orthopedic Foundation for Animals.*



A Not-For-Profit Organization



**NORMAL**

These results are based on the laboratory report from UNIVERSITY OF MISSOURI and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.

OFA eCert



Verify certificate  
with QR scan

G.G. KELLER, D.V.M., M.S., DACVR  
CHIEF OF VETERINARY SERVICES

[www.offa.org](http://www.offa.org)



## Degenerative Myelopathy DNA Test

Case Number: 52418

Owner: Anthony Ortega

### Canine Information

DNA ID Number: **94819**

Call Name: **Lyon**

Sex: **Male**

Birthdate: **06/15/2013**

Breed: **German Shepherd Dog**

Coat Color: **Red & black**

Registered Name:

Registration Number:

Microchip/Tattoo:

Report Date: 2/24/2015

DNA Result: **Clear (2 copies of the normal allele)**

Matt Shaunessy, Senior Scientist

# Optimal Selection™

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Laboratories

BR02 131

Lyon de Tierras Charras, German Shepherd Dog

**Registered Name:** Lyon de Tierras Charras

**Owner:** Jennifer White

**Call Name:** Lyon

**Country:** United States

**Registration ID:** DN42234701

**Testing date:** 2017/6/2

**Microchip:** 941000015177406

**Breed:** German Shepherd Dog

**Gender:** Male

## Test results - Known disorders in the breed

Disorder	Type	Mode of Inheritance	Result
Canine Scott Syndrome, (CSS)	Blood Disorders	Autosomal Recessive	Clear
Cone Degeneration, (CD) or Achromatopsia; mutation originally found in German Shepherd Dog	Ocular Disorders	Autosomal Recessive	Clear
Degenerative Myelopathy, (DM)	Neurologic Disorders	Autosomal Recessive (Incomplete Penetrance)	Clear
Factor VIII Deficiency or Hemophilia A; mutation originally found in German Shepherd Dog	Blood Disorders	X-linked Recessive	Clear
Factor VIII Deficiency or Hemophilia A; p.Cys548Tyr mutation originally found in German Shepherd	Blood Disorders	X-linked Recessive	Clear
Hyperuricosuria, (HUU)	Renal Disorders	Autosomal Recessive	Clear
Mucopolysaccharidosis Type VII, (MPS VII); mutation originally found in German Shepherd	Metabolic Disorders	Autosomal Recessive	Clear
Renal Cystadenocarcinoma and Nodular Dermatofibrosis, (RCND)	Renal Disorders	Autosomal Dominant	Clear
X-Linked Ectodermal Dysplasia, (XHED)	Dermal Disorders	X-linked Recessive	Clear

On behalf of Genoscoper Laboratories,

  
SIGNATURE

Jonas Donner, PhD, Head of Research and Development  
at Genoscoper Laboratories