



## Canine Genetic Health Certificate™

**Call Name:** Jackson  
**Registered Name:** Big Boy Jolly Jackson  
**Breed:** Australian Shepherd  
**Sex:** Male  
**DOB:** Jan. 2019

**Laboratory #:** 167514  
**Registration #:** ASCA E213193  
**Microchip #:** 985 112 011 499 149  
**Certificate Date:** Aug. 25, 2020

### This canine's DNA showed the following genotype(s):

Disease	Gene	Genotype	Interpretation
Collie Eye Anomaly	<i>NHEJ1</i>	WT/WT	Normal (clear)
Cone Degeneration	<i>CNGB3</i>	WT/WT	Normal (clear)
Degenerative Myelopathy	<i>SOD1</i>	WT/M	Carrier
Hereditary Cataracts (Australian Shepherd Type)	<i>HSF4</i>	WT/WT	Normal (clear)
Multifocal Retinopathy 1	<i>BEST1</i>	WT/WT	Normal (clear)
Von Willebrand Disease I	<i>VWF</i>	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

**Helen F Smith, PhD**  
Assistant Laboratory Director

**Casey R Carl, DVM**  
Associate Medical Director

Paw Print Genetics® performed the tests listed on this dog. See the Laboratory Report for interpretation and recommendations based on these findings. The genes/diseases reported here were selected by the client. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results. Genetic counseling is available at Paw Print Genetics.



---

## MDR1 Genotyping Results for Jackson

1 message

---

<vcpl@vetmed.wsu.edu>

Fri, May 8, 2020 at 8:06 AM

To:

Cc: vcpl@vetmed.wsu.edu



## MDR1 GENOTYPING RESULTS

985112011499149

Kimberly Kerr

Glendale, AZ

5/8/2020

MDR1 - 75309

---

Identification Number:	985112011499149
Submission Type:	Brush
Dog Name:	Jackson
Dog Breed:	Australian Shepherd
Test Result:	<b>Normal/Normal</b>

---

### Explanation of test results

#### Normal/Normal

These dogs are not at increased risk for drug sensitivity. These dogs do not have the MDR1 mutation, and will not pass on the mutation to their offspring.

A current list of problem drugs for dogs with the MDR1 mutation may be found at this web address: [www.vcpl.vetmed.wsu.edu](http://www.vcpl.vetmed.wsu.edu)

**Neal Burke**, Veterinary Clinical Pharmacology Laboratory Manager

\* PCR for this service is performed pursuant to an agreement with Roche Molecular Systems, Inc.

US Patent Number US 6,790,621 B2. Foreign patents pending for MDR1 testing.