



Animal Genetics

3382 Capital Circle NE
Tallahassee, FL 32308

Genetic Testing Report

High Altitude Queen of Hearts

Submitted By

High Altitude Collies

Subject Dog

Dog Name: **High Altitude Queen of Hearts**

Lab Reference #: **670829**

Breed: **Smooth Collie**

Phenotype: **Sable Color-Headed White**

Sex: **Female**

Birth: **Jan 1, 2021**

Disorder Results (6 of 6)

CEA	n/CEA	Carrier: Dog has one copy of the Collie Eye Anomaly mutation. The dog is not affected by CEA but may pass the mutation to offspring.
CN	n/n	Clear: Dog is negative for mutation associated with Grey Collie Syndrome.
DM	n/n	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.
DMS	002:01 002:01 aabb	Low Risk: Haplotype indicates dog is at a low risk of developing Dermatomyositis.
HUU	n/n	Clear: Dog is negative for the mutation associated with Hyperuricosuria.
MDR1	n/n	Clear: Dog is negative for the mutation associated with MDR1.

Laboratory Report

Laboratory #: 305813
Order #: 176973
Ordered By:
Ordered:
Received:
Reported:

Call Name: Nessie
Registered Name: High Altitude Queen of Hearts
Breed: Smooth Collie
Sex: Female
DOB: Jan. 2021
Registration #:
Microchip #:

Results:

Disease	Gene	Genotype	Interpretation
Progressive Retinal Atrophy, Rod-Cone Dysplasia 2	RD3	WT/WT	Normal (clear)

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

Interpretation:

Molecular genetic analysis was performed for a specific mutation reported to be associated with Progressive Retinal Atrophy, Rod-Cone Dysplasia 2 in dogs. We identified two normal copies of the DNA sequences in the RD3 gene tested. Thus, this dog is not at an increased risk for Progressive Retinal Atrophy, Rod-Cone Dysplasia 2.

Recommendations:

No mutations were identified. Thus, this dog is not at an increased risk for the disease caused by or associated with the mutation tested. Because this dog is "clear" of this mutation, this dog will only pass the normal gene on to its offspring. Normal results do not exclude inherited mutations not tested in this gene or other genes that may cause medical problems or may be passed on to offspring. Paw Print Genetics® has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.



Blake C Ballif, PhD
Laboratory & Scientific Director



Christina J Ramirez, PhD, DVM, DACVP
Medical Director

Paw Print Genetics® performed the tests listed on this dog. 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. The results included in this report relate only to the items tested using the sample provided. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the test(s) accuracy and precision with >99.9% sensitivity and specificity. The presence of mosaicism may not be detected by this test. Non-paternity may lead to unexpected results. This is not a breed identification test. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think any 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.