Welcome,
**Anna Fairchild**
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# Canine HealthCheck

## Demographic Information

| | | | |
|---|---|---|---|
| Call Name: | Tatum | DOB: | August 9, 2022 |
| Registered Name: | Bowser | Registration Number: | 12345 |
| Breed: | Brown/mutts | Tattoo: | 789 |
| Sex: | Male | Collection: | Blood |
| Owner: | Amy Kerchner | Laboratory # Report Date: | AN-23-004994 November 9, 2022 |

These tests were developed and performed by Paw Print Genetics®, Spokane WA.

## Explanation of Results

| | |
|---|---|
| Normal | A normal result means that your dog does not have the variation that causes the associated genetic disease. |
| Carrier | A Carrier (or Heterozygote) result means that your dog has inherited one copy of the mutation that has been reported to cause the genetic disease. Most dog carriers will not show any clinical abnormalities. Breeding a carrier dog to another carrier or affected dog increases the risk for puppies to inherit two copies of the mutation. |
| Carrier - at-Risk | A Carrier - at-Risk result indicates that your dog inherited one copy of the mutation that has reported to cause the genetic disease. However, the variant is not the most common variant reported to cause the genetic disease, and there is a chance that your dog does not have a mutation on the other chromosome. Breeding a carrier-at-risk dog to another carrier or affected dog increases the risk for puppies to inherit two copies of the mutation. |
| At-Risk (Affected) | A At-Risk result means that your dog inherited two copies of the mutation that has reported to cause the genetic disease. Most or all of the offspring of a dog with an At-Risk result will inherit one copy of the mutation and be carriers. Breeding an At-Risk dog to another carrier or affected dog increases the risk for puppies to inherit two copies of the mutation. |
| No Result | No Result indicates that we were unable to obtain a genotype for your dog for the specific disease or trait. This result can occur when a DNA sample does not pass our quality control or when the test fails. Please contact us if you would like to discuss why your dog did not have a result for this test. Some breeds are not eligible for certain tests and cannot receive a result for those tests. Please contact us if you would like to discuss why your dog did not receive a result for a specific test. |

Please visit our Selling Guide and dictionary regarding your results.

MPI: allele/total SNP ✓ Genotype ✓ Interpretation

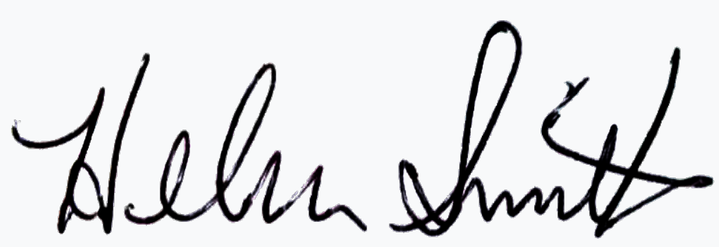
## Breed Profile

| Disease Name | Genotype | Interpretation |
|---|---|---|
| Degenerative Myelopathy | wt/wt | Normal/Clear |
| Degenerative Myelopathy (Bernese Mountain Dog breed) | ↑ | |
| Degenerative myelopathy (Canaan breed) | ↑ | |

| Disease Name | Genotype | Interpretation |
|---|---|---|
| Ataxia (Spinocerebellar Ataxia) | wt/wt | Normal/Clear |
| Ataxia (Spinocerebellar Ataxia) | wt/wt | Normal/Clear |
| Cerebellar Cortical Degeneration | wt/wt | Normal/Clear |
| Cerebellar Degeneration (Kerry Blue Terrier breed) | wt/wt | Normal/Clear |
| Cerebellar Degeneration (Lagotto Romagnolo breed) | wt/wt | Normal/Clear |
| Degenerative Myelopathy (Degenerative Myelopathy

| | | |
|---|---|---|
| Renal Cystadenocarcinoma and Nodular Dermatofibrosis | WT/WT | Normal (Clear) |
| Retinal Dysplasia/Oculoskeletal Dysplasia 1 | WT/WT | Normal (Clear) |
| Retinal Dysplasia/Oculoskeletal Dysplasia 2 | WT/WT | Normal (Clear) |
| Sensory Neuropathy<br>Border Collie Type | WT/WT | Normal (Clear) |
| Severe Combined Immunodeficiency Disease<br>Terrier Type | WT/WT | Normal (Clear) |
| Severe Combined Immunodeficiency Disease<br>Wetterhoun Type | WT/WT | Normal (Clear) |
| Severe Combined Immunodeficiency Disease, X-Linked<br>Basset Hound Type | WT/WT | X-Linked Female Normal |
| Severe Combined Immunodeficiency Disease, X-Linked<br>Corgi Type | WT/WT | X-Linked Female Normal |
| Shar-Pei Autoinflammatory Disease | WT/WT | Normal (Clear) |
| Skeletal Dysplasia 2 | WT/WT | Normal (Clear) |
| Spinal Dysraphism | WT/WT | Normal (Clear) |
| Spinocerebellar Ataxia | WT/WT | Normal (Clear) |
| Spondylocostal Dysostosis | WT/WT | Normal (Clear) |
| Stargardt Disease | WT/WT | Normal (Clear) |
| Startle Disease | WT/WT | Normal (Clear) |
| Thrombopathia<br>American Eskimo Dog Type | WT/WT | Normal (Clear) |
| Thrombopathia<br>Basset Hound Type | WT/WT | Normal (Clear) |
| Thrombopathia<br>Newfoundland Type | WT/WT | Normal (Clear) |
| Trapped Neutrophil Syndrome | WT/WT | Normal (Clear) |
| Urolithiasis<br>Native American Indian Dog Type | WT/WT | Normal (Clear) |
| Van Den Ende-Gupta Syndrome | WT/WT | Normal (Clear) |
| Von Willebrand Disease I | WT/WT | Normal (Clear) |
| Von Willebrand Disease II | WT/WT | Normal (Clear) |
| Von Willebrand Disease III<br>Kooikerhondje Type | WT/WT | Normal (Clear) |
| Von Willebrand Disease III<br>Scottish Terrier Type | WT/WT | Normal (Clear) |
| Von Willebrand Disease III<br>Shetland Sheepdog Type | WT/WT | Normal (Clear) |

WT: **wild type (normal)** M: **mutant** Y: **Y chromosome (male)**



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Medical Director

Canine HealthCheck® is a product of Paw Print Genetics®. This test was developed and its performance determined by Paw Print Genetics. This laboratory has established and verified the test's accuracy and precision with >99% sensitivity and specificity. The results included in this report relate only to the items tested using the sample provided. The presence of mosaicism may not be detected by this test. Non-paternity may lead to unexpected results. This is not a diagnostic test. This is not a breed identification test. Because all tests are DNA-based, rare genomic variations may interfere with the performance of some individual tests producing false results. If you think any results are in error, please contact the laboratory for further evaluation.




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The Canine HealthCheck® is a screen of >250 genes that cause diseases or traits in dogs. This is not a diagnostic test. Any abnormal results (carrier or affected), or any results that concern you, should be confirmed using a diagnostic test. Diagnostic testing is available from Paw Print Genetics® and in many cases, can be performed using existing DNA from the Canine HealthCheck.

The Canine HealthCheck is not a breed identification test.