



## CANINE HYPERURICOSURIA (HUU) TEST REPORT

<i>Provided Information:</i>	<i>Case:</i> <b>NCD219093</b>
<i>Name:</i> <b>NORTHGATES ZOLA</b>	<i>Date Received:</i> 01-May-2023
<i>Registration:</i>	<i>Report Issue Date:</i> 04-May-2023
	<i>Report ID:</i> 3345-1634-6316-9119
Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>	
<i>DOB:</i> <b>02/28/2023</b> <i>Sex:</i> <b>Female</b> <i>Breed:</i> <b>Pug</b> <i>Color:</i> <b>Black</b>	
<i>Call Name:</i> <b>Zola</b>	
<i>Sire:</i> BUDDY	<i>Dam:</i> FELISHA
<i>Reg:</i>	<i>Reg:</i>
<i>Microchip:</i>	<i>Microchip:</i>

**RESULT**

**INTERPRETATION**

<b>Hyperuricosuria (HUU)</b>	<b>N/N</b>
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No copies of the hyperuricosuria mutation detected. Dog is normal.

<i>Client/Owner/Agent Information:</i> BRANDI BLACK	<i>Case:</i> <b>NCD219093</b> <i>Date Received:</i> 01-May-2023 <i>Report Issue Date:</i> 04-May-2023 <i>Report ID:</i> 3345-1634-6316-9119  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<i>Name:</i> <b>NORTHGATES ZOLA</b>	

**Additional Information**

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Hyperuricosuria test results, please visit our website at: [www.vgl.ucdavis.edu/services/Hyperuricosuria.php](http://www.vgl.ucdavis.edu/services/Hyperuricosuria.php)

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

**Report authorized by Dr. Rebecca Bellone, VGL Director**

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## DEGENERATIVE MYELOPATHY (DM) TEST REPORT

<p><i>Provided Information:</i></p> <p><i>Name:</i>           <b>NORTHGATES ZOLA</b></p> <p><i>Registration:</i></p>	<p><i>Case:</i>               <b>NCD219093</b></p> <p><i>Date Received:</i>    01-May-2023</p> <p><i>Report Issue Date:</i> 04-May-2023</p> <p><i>Report ID:</i>         1187-8007-3655-1115</p> <p style="text-align: center; font-size: small;">Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>DOB:</i> <b>02/28/2023</b>   <i>Sex:</i> <b>Female</b>   <i>Breed:</i> <b>Pug</b>   <i>Color:</i> <b>Black</b></p>	
<p><i>Call Name:</i> <b>Zola</b></p>	
<p><i>Sire:</i>   BUDDY</p> <p><i>Reg:</i></p> <p><i>Microchip:</i></p>	<p><i>Dam:</i>   FELISHA</p> <p><i>Reg:</i></p> <p><i>Microchip:</i></p>

**RESULT**

**INTERPRETATION**

<b>Degenerative Myelopathy (DM)</b>	<b>N/N</b>
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No copies of the DM mutation.

## DEGENERATIVE MYELOPATHY (DM) TEST REPORT

<i>Client/Owner/Agent Information:</i> BRANDI BLACK	<i>Case:</i> <b>NCD219093</b> <i>Date Received:</i> 01-May-2023 <i>Report Issue Date:</i> 04-May-2023 <i>Report ID:</i> 1187-8007-3655-1115  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<i>Name:</i> <b>NORTHGATES ZOLA</b>	

### Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on DM test results, please visit our website at:  
[www.vgl.ucdavis.edu/services/dog/DegenerativeMyelopathy.php](http://www.vgl.ucdavis.edu/services/dog/DegenerativeMyelopathy.php)

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

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**SUSCEPTIBILITY TO PUG DOG ENCEPHALITIS (PDE)  
 TEST REPORT**

<i>Provided Information:</i>		<i>Case:</i>	<b>NCD219093</b>
<i>Name:</i>	<b>NORTHGATES ZOLA</b>	<i>Date Received:</i>	01-May-2023
<i>Registration:</i>		<i>Report Issue Date:</i>	04-May-2023
		<i>Report ID:</i>	3131-0913-5811-0135
		Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>	
<i>DOB: 02/28/2023 Sex: Female Breed: Pug Color: Black</i>			
<i>Call Name: Zola</i>			
<i>Sire:</i>	BUDDY	<i>Dam:</i>	FELISHA
<i>Reg:</i>		<i>Reg:</i>	
<i>Microchip:</i>		<i>Microchip:</i>	

**Susceptibility to Necrotizing Meningoencephalitis (NME) Result**

**N/N**

***Interpretation***

- N/N:** No copies of the NME associated markers (homozygous for normal). These dogs have a low risk of developing NME.
- N/S:** One copy of the NME associated marker (heterozygous for susceptibility). These dogs have a low risk of developing NME.
- S/S:** Two copies of the NME associated marker. These dogs are 12.75 times more likely to develop NME in their lifetime.

## SUSCEPTIBILITY TO PUG DOG ENCEPHALITIS (PDE) TEST REPORT

<p><i>Client/Owner/Agent Information:</i>          BRANDI BLACK</p>	<p><b>Case:</b> <b>NCD219093</b>  <i>Date Received:</i> 01-May-2023  <i>Report Issue Date:</i> 04-May-2023  <i>Report ID:</i> 3131-0913-5811-0135</p> <p style="text-align: center; font-size: small;">Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>Name:</i> <b>NORTHGATES ZOLA</b></p>	

**Additional Information**

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on PDE test results, please visit our website at:  
[www.vgl.ucdavis.edu/services/PDE.php](http://www.vgl.ucdavis.edu/services/PDE.php)

This is not a diagnostic test for NME in Pug Dogs or for NME disease or risk in other breeds.

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

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**PUG PYRUVATE KINASE DEFICIENCY (PK DEF) TEST  
 REPORT**

<i>Provided Information:</i>		<i>Case:</i>	<b>NCD219093</b>
<i>Name:</i>	<b>NORTHGATES ZOLA</b>	<i>Date Received:</i>	01-May-2023
<i>Registration:</i>		<i>Report Issue Date:</i>	04-May-2023
		<i>Report ID:</i>	3220-2798-5135-5093
		Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>	
<i>DOB:</i> <b>02/28/2023</b> <i>Sex:</i> <b>Female</b> <i>Breed:</i> <b>Pug</b> <i>Color:</i> <b>Black</b>			
<i>Call Name:</i> <b>Zola</b>			
<i>Sire:</i>	<b>BUDDY</b>	<i>Dam:</i>	<b>FELISHA</b>
<i>Reg:</i>		<i>Reg:</i>	
<i>Microchip:</i>		<i>Microchip:</i>	

**PUG PK DEFICIENCY RESULT**

**N/N**

***Interpretation***

- N/N:** No copies of the PKDef mutation; dog is normal.
- N/K:** 1 copy of the PKDef mutation; dog is a carrier and unaffected but has half the normal Pyruvate Kinase activity of N/N dogs.
- K/K:** 2 copies of the PKDef mutation; dog is affected.



## PUG PYRUVATE KINASE DEFICIENCY (PK DEF) TEST REPORT

<p><i>Client/Owner/Agent Information:</i>          BRANDI BLACK</p>	<p><i>Case:</i> <b>NCD219093</b>  <i>Date Received:</i> 01-May-2023  <i>Report Issue Date:</i> 04-May-2023  <i>Report ID:</i> 3220-2798-5135-5093</p> <p style="text-align: center; font-size: small;">Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>Name:</i> <b>NORTHGATES ZOLA</b></p>	

**Additional Information**

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For more detailed information on PK Deficiency test results, please visit our website at: [www.vgl.ucdavis.edu/test/pkdef-dog](http://www.vgl.ucdavis.edu/test/pkdef-dog)

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.vgl.ucdavis.edu/about/terms-and-conditions)

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