



## Screening for genetic variants using whole genome sequencing in dogs with protein-losing enteropathy

### Study Overview

Investigators at the Michigan State University College of Veterinary Medicine are conducting a research study screening for genetic variants using whole genome sequencing in dogs with protein-losing enteropathy (PLE).

### Study Purpose

We are conducting genetic testing in a diverse group of dogs with protein-losing enteropathy. If genetic variants with functional validation are discovered, this study could lead to the development of a specific genetic test to eliminate validated genetic defects from a specific breed or breed. Additionally, variants that predict a treatment response may be helpful in the management of dogs with PLE.



### Eligibility

In order for dogs to be eligible to participate, they need to have PLE syndrome confirmed based on clinical history and blood and urine testing. Dogs who have had additional testing to diagnose the cause of PLE including abdominal ultrasound and intestinal biopsies are preferred, but these tests are not mandatory for your dog to participate.

### What is required

- A small blood sample is needed. For dogs undergoing intestinal biopsy at Michigan State University, we also set aside 2 samples of small intestine for the study.  
Note: If clients are not able to bring their dog to Michigan State University, please contact us and we can discuss options sending in a blood sample.

### Cost

If the dog comes to MSU and is enrolled in the trial, their exam fee (\$139) will be covered. Additionally, if the dog undergoes endoscopy with intestinal biopsy at MSU, the trial will cover \$500 off the cost of the endoscopy. All additional costs will need to be covered by the client. Estimates will be given for these costs.

This study is being conducted at:

- Michigan State University Veterinary Medical Center (MSU-VMC)

Principal Investigator: Dr. Sara Jablonski (MSU-VMC)

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### Contact Information

For additional information or to inquire about participation, please contact:

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