



## UNIVERSAL METHOD FOR PARASITE AND EUKARYOTIC ENDOSYMBIONT IDENTIFICATION

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### The Invention

UW-Madison researchers have developed and validated a novel “parasitome” method to accurately characterize parasites in samples. Like published metabarcoding protocols, the new method consists of amplification of a target gene, adding adapter sequences to those amplicons, and deep sequencing them. However, there are three key elements which make the new method unique: 1) a set of newly-designed PCR primers which amplify all parasite groups, 2) a mock community test reagent for standardization (“EukMix”), and 3) a method to reduce interfering host signal using CRISPR-Cas9 digestion with host-specific guide RNAs.

### Key Benefits

- De novo parasite testing
- Reduces host interference

### Additional Information

#### For More Information About the Inventors

- [Tony Goldberg](#)

#### Tech Fields

- [Animals, Agriculture & Food : Animal health](#)
- [Diagnostics & Biomarkers : Diagnostics](#)
- [Research Tools : Genomics & proteomics](#)

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