

BASTU'S PROFILE



Upload Picture

Breed: Domestic Shorthair

Sex: Female

Age: 11.3 years

Weight: 10 pounds

Sample Date: 09/28/2022

Sample ID: 300261

Pet Parent: Charles Warden

Antibiotics within last 6 months: No

Currently feeding veterinary prescription diet: Yes

Medications/Supplements: FortiFlora

TARGETED HEALTH ADVANCED MICROBIOME SCREENER

BASTU'S MICROBIOME INSIGHTS

**CONGRATULATIONS ON TAKING PROACTIVE STEPS
TOWARD BASTU'S OVERALL HEALTH AND WELLNESS!**

Bastu's microbiome assessment results indicate:

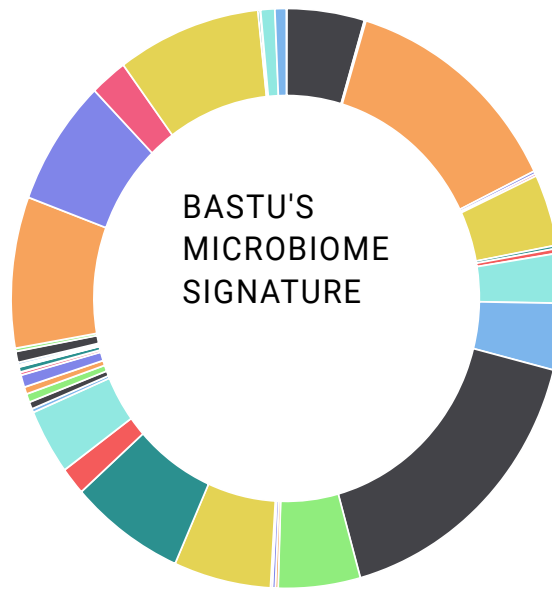
Bastu's bacterial diversity was lower than the reference range for adult cats, but above the reference range for senior cats.

Bastu's potential to produce butyrate in her gut was lower than the reference range for adult cats, but within the reference range for senior cats.

Bastu's level of probiotic bifidobacteria and lactobacilli was lower than the reference range for adult cats, but above the reference range for senior cats.

Studies have shown that probiotic bacteria and bacterial diversity tend to decrease as pets age while butyrate is beneficial for healthy aging and healthy digestive function.

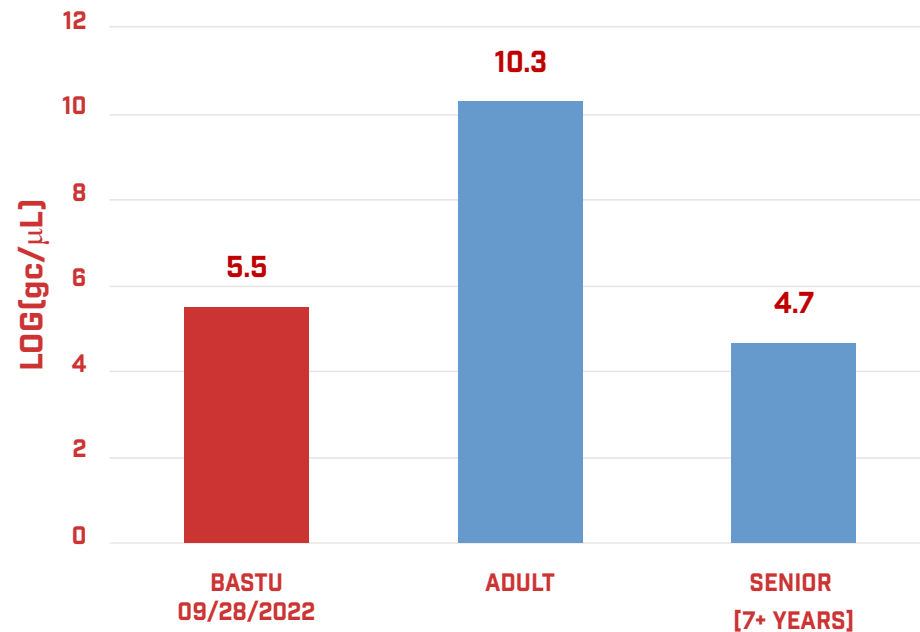
You indicated that Bastu's stool is hard. Consumption of a prebiotic fiber such as inulin can help support regularity.



What are Probiotic Bacteria?

Bifidobacteria and lactobacilli are probiotic bacteria that reside in the digestive tract and are often used in probiotic supplements. These bacteria are important for immune function and maintenance of digestive health [10]. As pets age their levels of probiotic bacteria tend to decrease [11]. Based on our 9-year cat study, we have shown that a diet rich in antioxidants and prebiotic fiber that supports the growth of bifidobacteria increases the lifespan of elderly cats [12].

Show History




Results

Beneficial bacteria in Bastu's sample are represented by the abundance of bifidobacteria & lactobacilli.

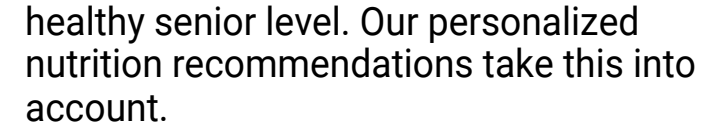
Bastu's level of probiotic bifidobacteria and lactobacilli was lower than the reference range for adult cats, but above the reference range for senior cats.

Actions to Take

You want to keep supporting the growth of these bacteria in your pet throughout their life. Feeding prebiotic fiber can provide nourishment to these bacteria and help restore the level of probiotic bacteria to a



healthy senior level. Our personalized nutrition recommendations take this into account.

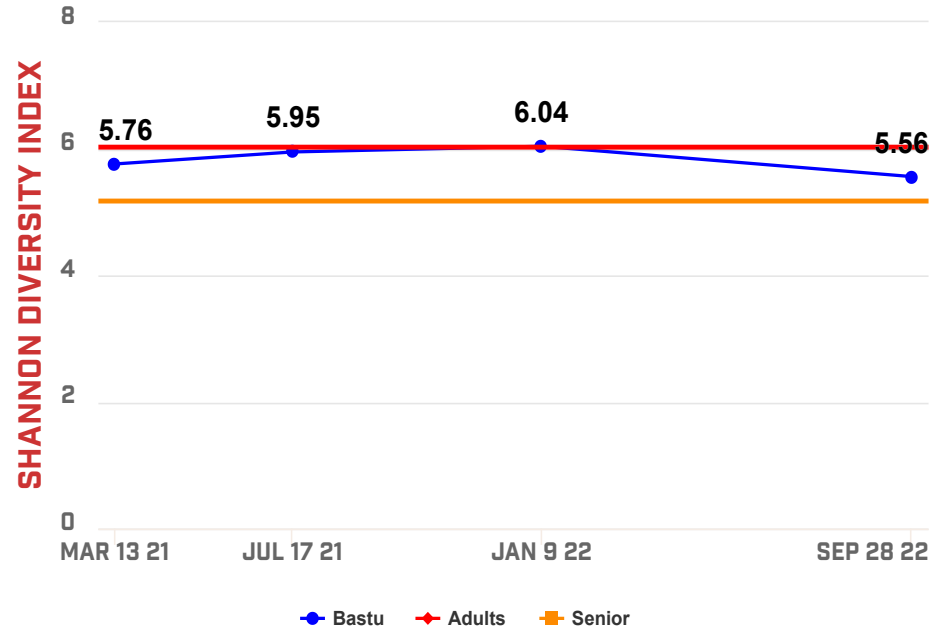


What is Bacterial Diversity?

Bacterial diversity shows how many different species of bacteria are present and how evenly these species are spread across Bastu's sample. High microbial diversity has been linked with digestive health [1]. Decreased diversity can be associated with being overweight [2]. In addition, some antibiotics can decrease diversity of bacteria in the gut and may also decrease levels of beneficial bacteria [3]. Use of certain probiotics can help maintain and restore beneficial bacteria and microbial diversity during antibiotic therapy [4].

Hide History

* Bacterial diversity represented by the Shannon Diversity Index, accounts for the abundance and evenness of the bacterial species present in Bastu's sample.



Results

Bastu's bacterial diversity was lower than the reference range for adult cats, but above the reference range for senior cats.

Actions to Take

It's important to support a balanced diversity of bacteria in your pet's gut throughout their life. Feeding a prebiotic fiber and the right probiotic strain can help support a balanced diversity of bacteria during and after Bastu's antibiotic treatment. Our personalized recommended nutrition solutions take this into account.

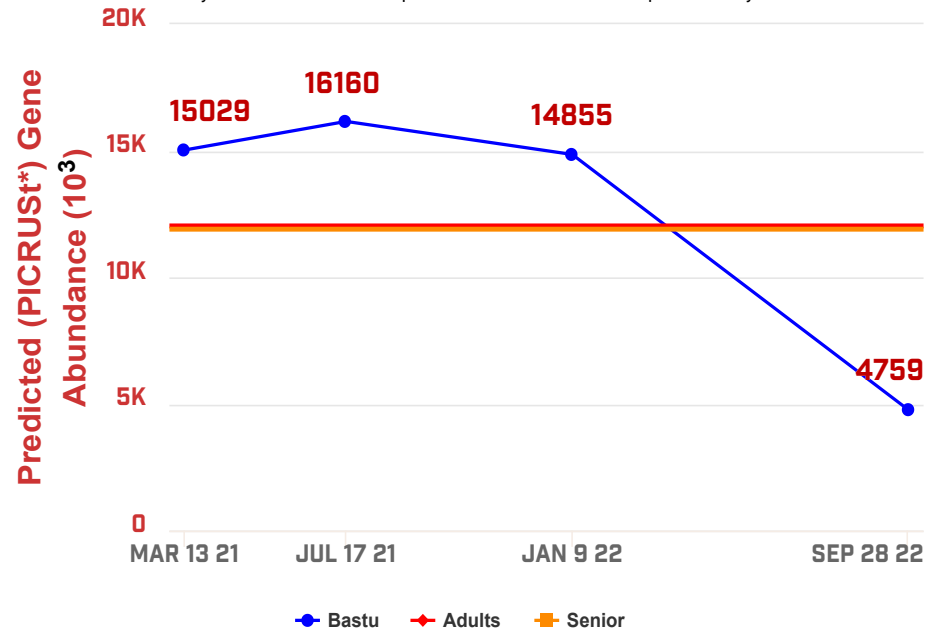


What is Gut Integrity?

Gut integrity plays an important role in promoting digestive health and supporting nutrient absorption. Butyrate is a short chain fatty acid (SCFA) produced by some bacteria when they digest fiber and is important for healthy aging. It is a main energy source for cells in the gut and may help control inflammation and maintain gut barrier function [5]. Butyrate producing bacteria include *F. prausnitzii*, eubacterium, and roseburia [6].

Hide History

*PICRUSt [7] (pronounced "Pie crust") is a bioinformatic tool used to predict the ability of Bastu's microbes to perform certain functions like produce butyrate.



Butyrate Production Results*

* Represents Bastu's bacteria potential to make butyrate

Maintaining Butyrate production is critical for providing nutrients for your pet's digestive cells for Gut Integrity. The right strain of probiotic can increase levels of butyrate-

Actions to Take

Maintaining Butyrate production is critical for providing nutrients for your pet's digestive cells for Gut Integrity. The right strain of probiotic can increase levels of butyrate-producing bacteria [9]. We have taken this into account in our personalized nutrition recommendations for Bastu.

producing bacteria [9]. We have taken this into account in our personalized nutrition recommendations for Bastu.

NUTRITION RECOMMENDATIONS FOR BASTU

Based on Bastu's assessment, our team of scientists and nutritionists has created a personalized nutrition plan to promote healthy digestive and immune systems to help Bastu reach her full potential. We recommend:

The prebiotic fiber inulin:

- helps feed beneficial probiotic bacteria in the gut
- helps support a balanced diversity of bacteria in the gut
- supports butyrate production and healthy barrier function
- promotes digestive health
- increases digestibility of key nutrients
- a key component of the nutrient blend that has been proven to increase healthy lifespan of pets
- reduces key components of stool odor

The probiotic *Bacillus coagulans* BC30. Different probiotic bacteria have different functions. BC30 can:

- promote digestive health by balancing the levels of bacteria in the gut
- promote the growth of bacteria involved in healthy aging
- support immune health
- increase levels of butyrate-producing bacteria
- relieve temporary inflammation due to exercise

**LONGEVITY AND
OVERALL HEALTH**

Probiotic & Prebiotic Supplement blend

Beneficial Ingredients



[View Product](#)



PREBIOTIC

Inulin



PROBIOTIC

Bacillus coagulans BC30



VITAMINS

Supplemental vitamins E and A
support healthy aging.

Your answers indicate you're currently feeding a prescription diet to your pet. We are not providing a wellness diet recommendation because we strongly recommend consulting with your veterinarian to determine if changing diet is appropriate for your pet's situation.