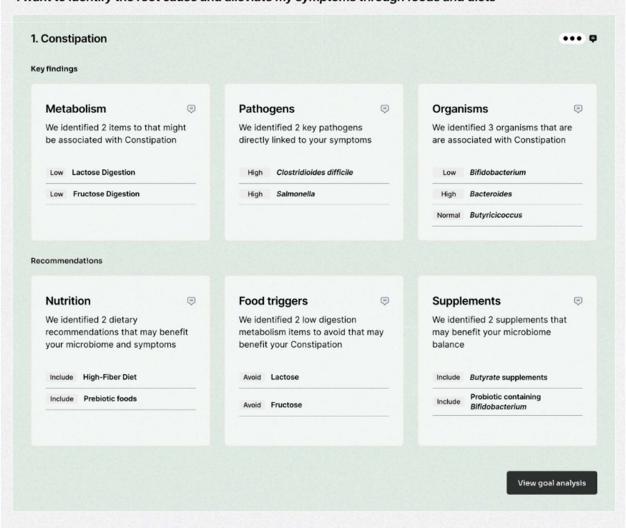
Hi Sara, here are your latest microbiome results

178271

We have received the results of your current microbiome analysis. This analysis is customized towards your health goals and it also includes additional research and science based findings and actions.

Goals

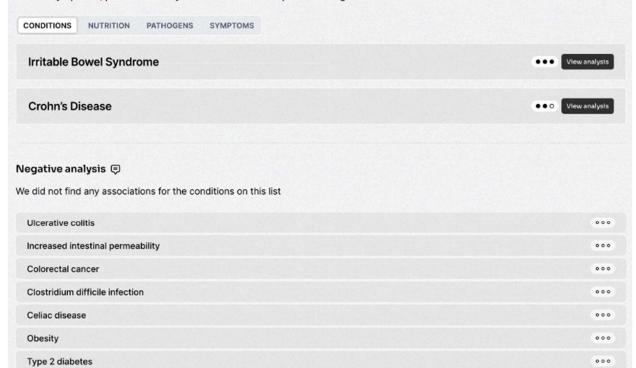
"I want to identify the root cause and alleviate my symptoms through foods and diets"



Other Findings

We have identified associations with the following markers, some of which you may already be aware of, while others share similar data points. These findings provide valuable insights into potential health considerations that require further exploration.

This analysis of your microbiome does not represent and should not be interpreted as a clinical diagnosis. If you are experiencing certain symptoms, please consult your doctor to discuss potential diagnosis and treatments.



Supplement Not Sponsored 23

Constipation

••• High

"I want to identify the root cause and alleviate my symptoms through foods and diets"

Constipation refers to infrequent bowel movements or difficult passage of stools that persists for several weeks or longer.

Your microbiome plays an important role in GI mobility and constipation. There are important organisms, diets, and treatments that impact this process.

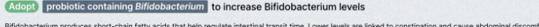
Actionable Insights 👨

••0

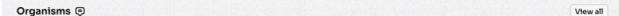
Here are the main recommendations that would help with your Constipation based on your unique Microbiome.







Bifidobacterium produces short-chain fatty acids that help regulate intestinal transit time. Lower levels are linked to constipation and cause abdominal discomfort.



We identified 10 organisms that are associated to Constipation based on the latest scientific literature. These organisms have important functions in your gut and may impact Constipation. The organisms are ranked by highest associations to the lowest based on latest scientific literature.

Bifidobacterium



Produces short-chain fatty acids that help regulate intestinal transit time.

- · Lower levels are linked to constipation.
- · Your level is lower than a normal range.



Bacteroides



Produces short-chain fatty acids that help regulate intestinal transit time.

- · Higher levels are linked to constipation.
- · Your level is higher than a normal range.

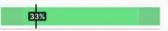


Butyricicoccus



Organism function

- · Lower levels are linked to constination.
- · Your level within normal range



Scientific evidence (5)

View all

These are scientific research papers on how your unique gut microbiome organisms may be associated with Constipation. The papers are ranked by highest quality to lowest using our proprietary quality score

nature

The Prebiotic Effects of Oats on Blood Lipids, Gut Microbiota, and Short-Chain Fatty Acids in Mildly Hypercholesterolemic Subjects Compared With Rice: A Randomized, Controlled Trial

- · This paper links to 3 of the key organisms you have an imbalance with Akkermansia muciniphila, Bifidobacterium, and Faecalibacterium prausnitzii.
- · It suggests that prebiotic activity of oats to modulate gut microbiome could contribute towards its cholesterol-lowering effect.
- · You should increase your Prebiotic Foods intake to increase Bifidobacterium and Faecalibacterium prausnitzii. levels

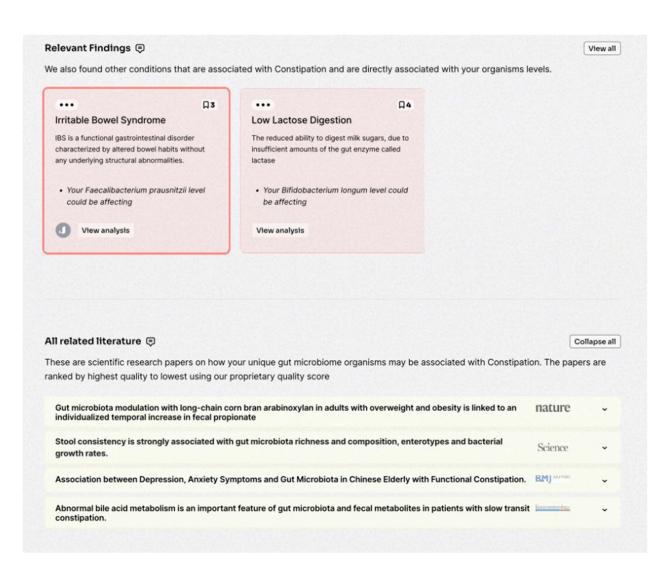


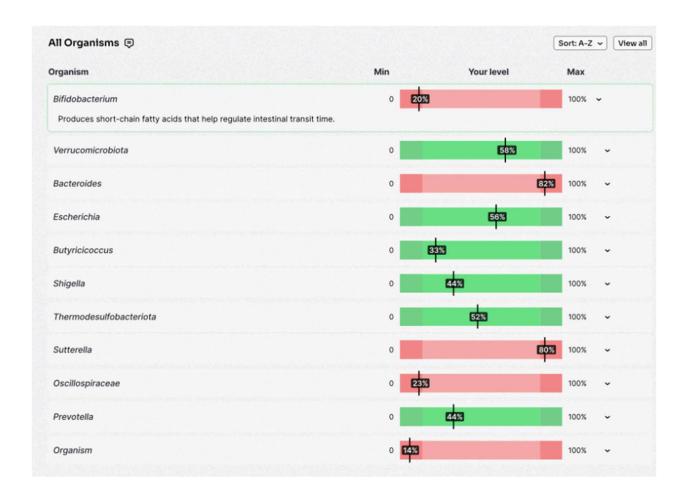
Science

Crosstalk among intestinal barrier, gut microbiota and serum metabolome after a polyphenol-rich diet in older subjects with "leaky gut": The MaPLE trial

- This paper links to 4 of the key organisms you have an imbalance with Akkermansia muciniphila, Roseburia, Bifidobacterium, and Faecalibacterium prausnitzii.
- · It suggests that prebiotic activity of oats to modulate gut microbiome could contribute towards its cholesterol-lowering effect.
- · You should adopt a Hgh fiber diet to increase Roseburia and Faecalibacterium prausnitzii levels







Low Lactose Digestion

••• High

"I want to identify the root cause and alleviate my symptoms through foods and diets"

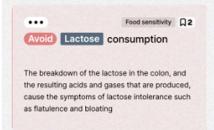
Lactose is a disaccharide sugar found in dairy products like milk, yogurt, and soft cheeses.

Bifidobacterium species are known to produce lactase, the enzyme responsible for breaking down lactose into absorbable sugars, glucose, and galactose.

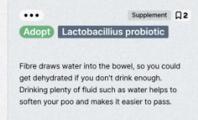
Individuals with lactose intolerance have reduced or deficient lactase activity, leading to difficulty digesting lactose. When lactose reaches the large intestine without being fully digested in the small intestine, gut bacteria can ferment it, resulting in gas production and symptoms like bloating, gas, and abdominal pain.

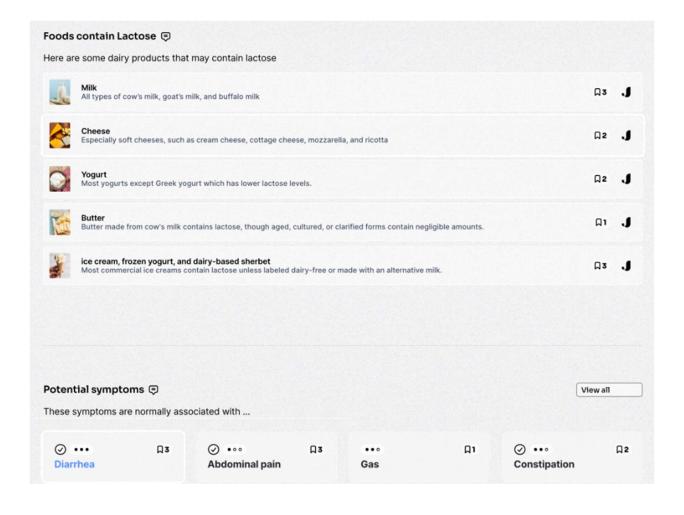
Actionable Insights (5)

While we did not find any direct associations with scientific studies, these are the main recommendations that would help with your symptoms.









Scientific evidence 👨

The are some papers on avoiding lactose may change organisms in your gut, and impact your overall gut health, and symptoms

··· nature

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- · You should <action> your <item> intake to <benefit>



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nature

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Key Organisms 🗐

View all

We identified 3 main organisms that are out of range that might be causing your symptoms. These organisms have important functions towards bowel movement balance and could be, individually and collectively, affecting this process.

Faecalibacterium prausnitzii



Produces short-chain fatty acids that help regulate intestinal transit time.

- Lower levels are linked to Lactose digestion.
- · Your level is lower than a normal range.
- · You need to increase abundances



Lactobacillus gasseri



Produces short-chain fatty acids that help regulate intestinal transit time.

- Lower levels are linked to Lactose digestion.
- · Your level is lower than a normal range.
- You need to increase abundances



Faecalibacterium



Produces short-chain fatty acids that help regulate intestinal transit time.

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- You need to increase abundances







Jona association score

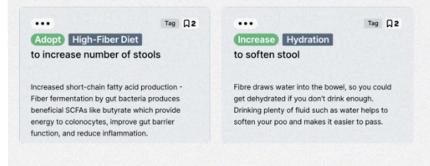
••• High

"I want to identify the root cause and alleviate my symptoms through foods and diets"

IBS is a functional gastrointestinal disorder characterized by chronic abdominal pain, bloating, and altered bowel habits (constipation, diarrhea, or a mix of both) without any underlying structural abnormalities.

Actionable Insights (

Here are the main recommendations that would help with your Irritable Bowel Syndrome based on your unique Microbiome.



Potential symptoms 👨

View all

These symptoms are normally associated with ...



✓ ••• □ □2
 Urgency to have a bowel



Altered bowel habits

Organisms 🗇 View all

We identified 10 organisms that are associated to Constipation based on the latest scientific literature. These organisms have important functions in your gut and may impact Constipation. The organisms are ranked by highest associations to the lowest based on latest scientific literature.

Bifidobacterium

□ □4

Produces short-chain fatty acids that help regulate intestinal transit time.

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- · Your level is lower than a normal range.



Bacteroides

□ □2

Produces short-chain fatty acids that help regulate intestinal transit time.

- · Higher levels are linked to constipation.
- · Your level is higher than a normal range.



Butyricicoccus

□ □1

Organism function

- · Lower levels are linked to constipation.
- · Your level within normal range



Scientific evidence (5)

View all

The are some papers on avoiding lactose may change organisms in your gut, and impact your overall gut health, and symptoms

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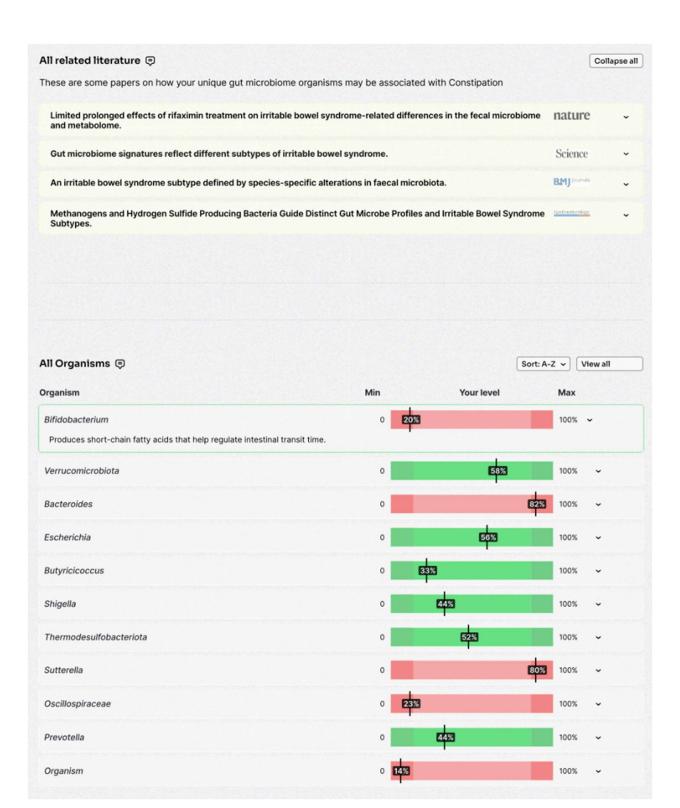


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Avoid Lactose

Jona association score

••• High

⊜

"I want to identify the root cause and alleviate my symptoms through foods and diets"

If you are lactose intolerant, you may experience symptoms after eating dairy products and some prepared foods that contain dairy. Some dairy products have less lactose than others.

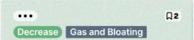
The lactose-free diet is a common eating pattern that eliminates or restricts lactose, a type of sugar in milk.

Although most people are aware that milk and dairy products typically contain lactose, there are many other hidden sources of this sugar in the food supply.

Benefits and impact 👨

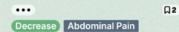


The breakdown of the lactose in the colon, and the resulting acids and gases that are produced, cause the symptoms of lactose intolerance such as flatulence and bloating



Unabsorbed lactose gets fermented by gut bacteria, producing gas, bloating, and discomfort. Avoidance decreases excess gas production.

(



The accumulation of fermentation byproducts and fluid distention causes painful cramping. Avoiding lactose prevents this.

Action plan (5)

Duration

Continue permanently to avoid lactose to reduce symptoms.

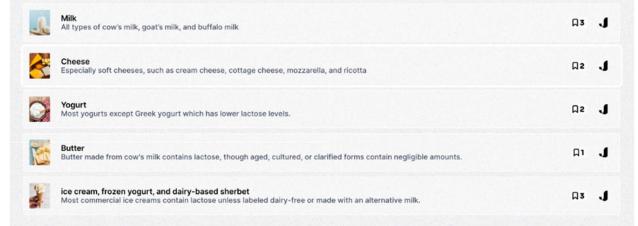
Retesting

Get a microbiome test after 3 months and before 6 months to assess if flares and symptoms have decreased.

Foods to avoid (2)

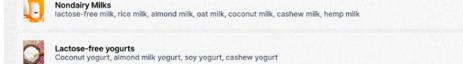
Although certain dairy products contain low amounts of lactose and can be tolerated by many with lactose intolerance, people with a milk allergy or those avoiding lactose for other reasons may still want to eliminate these ingredients from their diet.

Here are some dairy products that you may want to avoid as part of a lactose-free diet:



Recommended foods 👨

Many foods can be enjoyed as part of a healthy, lactose-free diet, including:



••• Д2

Дз



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View all

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nature

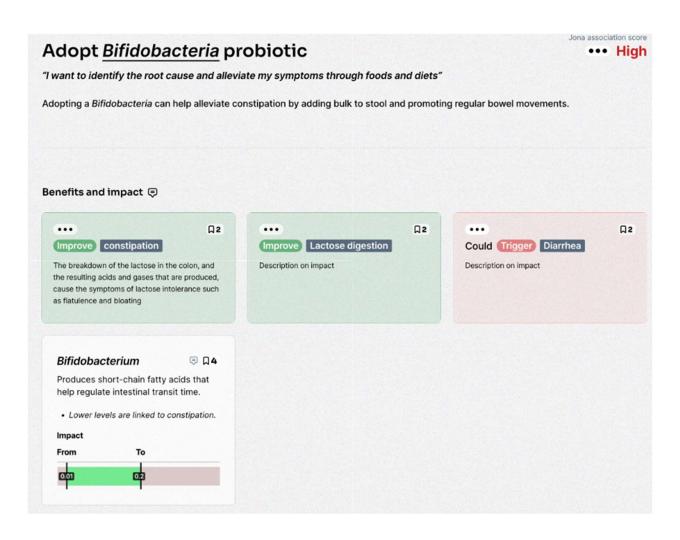
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Action plan 🗐 **Product Selection** Duration Retesting (1) (· Take for at least 1-2 months to allow Get a microbiome test after 3 months Look for strains with human research time for colonization and impact. and before 6 months to assess if your like B. longum, B. breve, B. infantis. • Continue for a longer period for Bifidobacterium levels have increased. continued effects. Allergies **Medical Conditions** (-) • Use caution if immunocompromised or critically ill. Consult doctor for advice. · Generally safe but consult doctor if · Start with low dose like 5 billion CFUs and gradually increase over 2-4 weeks as serious allergy. · May rarely cause reactions in sensitive individuals. Stick to dosage on label. More is not always better with probiotics. Recommended foods 🖃 While there are plenty of supplements containing Bifidobacteria, we found a list of foods that would fit with your lifestyle and diet. Kefir is a fermented milk drink similar to a thin yogurt or ayran that is made from kefir grains, a specific type of mesophilic symbiotic Дз culture Π2 is finely cut raw cabbage that has been fermented by various lactic acid bacteria Yogurt Most yogurts except Greek yogurt which has lower lactose levels. Ω2 Sourdough bread • o 0 🗓 1 Description

Scientific evidence 🗐

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