



Prebiotic Guide

Make the connection between beneficial gut species and the prebiotics that nurture them.



Match the bacterial species with

Associated with good health

Species name	Prebiotics to Increase Growth
Agathobacter faecis	FOS AX RS
Agathobacter rectalis	FOS INULIN AX RS
Akkermansia muciniphila	FOS PAC
Anaerostipes hadrus	FOS INULIN
Bifidobacterium adolescentis	FOS INULIN GOS PECTIN AX
Bifidobacterium angulatum	FOS GOS
Bifidobacterium animalis	FOS INULIN
Bifidobacterium bifidum	FOS INULIN GOS
Bifidobacterium breve	FOS INULIN GOS PECTIN AX RS
Bifidobacterium catenulatum	FOS GOS
Bifidobacterium infantis	FOS INULIN GOS AX
Bifidobacterium longum	FOS INULIN GOS PECTIN
Bifidobacterium pseudocatenulatum	GOS
Coprococcus_B comes	FOS INULIN
Coprococcus eutactus	FOS INULIN
Faecalibacterium prausnitzii_A	FOS INULIN PECTIN
Faecalibacterium prausnitzii_C	FOS INULIN PECTIN
Lactobacillus gasseri	GOS PECTIN
Roseburia hominis	FOS AX
Roseburia intestinalis	FOS AX RS
Roseburia inulinivorans	FOS INULIN RS
Ruminococcus_E bromii	GOS RS

Associated with poor health

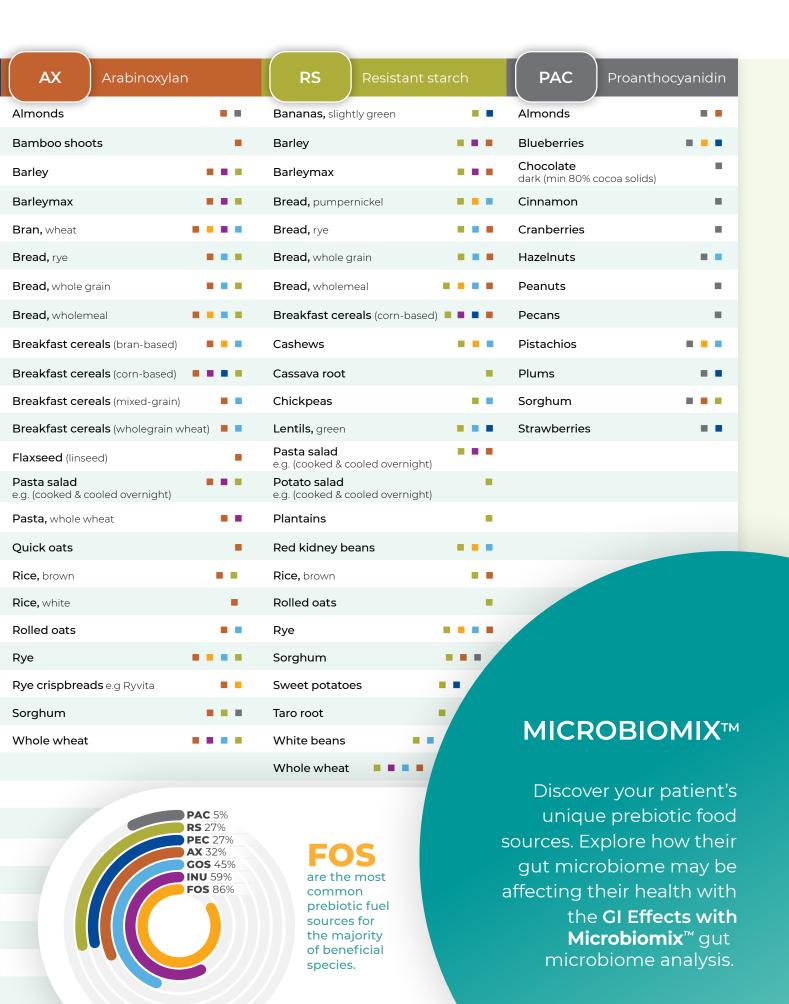
Species name	Prebiotics and dietary changes to inhibit growth
Bilophila wadsworthia	INULIN, REDUCE SATURATED FAT
Fusobacterium nucleatum	FLAVONOIDS

FOS Fructooligosaccharides

Asparagus	• •
Beetroots	
Blueberries	• • •
Bran, wheat	
Bread, pumpernickel	
Bread, wholemeal	••••
Breakfast cereals (bran-based)	
Brussels sprouts	
Butter beans	
Cashews	
Chicory root	
Fennel bulb	
Garlic	
Leeks	
Lentils, red	
Mulberries	
Nectarines	
Onions	
Pistachios	
Raspberries	
Red kidney beans	• • •
Rye	
Rye crispbreads e.g Ryvita	
Shallots (little onions)	
Snow peas	
Spring onions (green and white)	•
Watermelons	-

with their *prebiotic source*

(INULIN)	GOS Galactooligosaccharides	(PECTIN)
Asparagus	Beetroots	Apples
Bananas, dried	Black beans	Apricots
Bananas, slightly green	Borlotti beans	Bananas, slightly green
Barley	Bran, wheat	Bananas, dried
Barleymax	Bread, pumpernickel	Bananas, ripe
Bran, wheat	Bread, rye	Beetroots
Breakfast cereals (corn-based)	Bread, whole grain	Blackberries
Chicory root	Bread, wholemeal	Blueberries
Garlic ••	Breakfast cereals (bran-based)	Breakfast cereals (corn-based)
Globe artichokes	Breakfast cereals (mixed-grain)	Butternut pumpkin (Winter squash)
Grapefruits • •	Breakfast cereals (wholegrain wheat)	Cabbage, common
Jerusalem artichokes	Butter beans	Carrots, raw
Leeks	Butternut pumpkin (Winter squash)	Eggplants
Onions	Cashews	Globe artichokes
Pasta salad e.g. (cooked & cooled overnight)	Chickpeas	Grapefruits
Pasta, whole wheat	Green peas ■ ■	Green beans
Peaches, white	Haricot beans	Green peas
Shallots (little onions)	Lentils, green	Jerusalem artichokes
Whole wheat	Lentils, red	Kiwifruit
	Lima beans	Lemons
	Muesli, untoasted	Lentils, green
	Mung beans	Oranges
	Pinto beans	Peaches, white
	Pistachios	Pears
	Quick oats	Plums
Metabolism of prebiotics	Red kidney beans	Potatoes
FOS INULIN PECTIN	Rye	Pumpkin
	Soy beans	Raspberries
	Spelt	Strawberries
Asparagus Raspberries	Split peas	Sugar snap peas
Fermentation	White beans	Sweet potatoes
	Whole wheat	Tomatoes
Short chain fatty acids		Zucchinis (Summer squash)















Research indicates that diets supporting low fiber consumption and excess protein consumption can shift the proportion of the gut microbiome to be in favor of protein-digesting species^{1,2}. In some cases, these species can release pro-inflammatory compounds, such as lipopolysaccharides¹, which promote negative health effects, including gut inflammation and chronic health issues.

The gut microbiome contains both fiber and protein-digesting microbial species. This prebiotic guide will help make the connection between beneficial microbes and the prebiotics which encourage their growth to best produce health-promoting SCFAs.

To maintain a healthy balance of microbial species and production of inflammation-suppressing compounds, such as short chain fatty acids (SCFAs)³, a high intake of prebiotics and plant-based fibers is shown to be the best course of action.

What's on the menu for *Faecalibacterium prausnitzii_C*?

FOS (Fructooligosaccharides): Pistachios, Pumpernickel Bread, Red Lentils

INULIN: Barley, Whole Wheat Pasta, Ripe Bananas

PECTIN: Butternut Pumpkin, Green Peas, Sweet Potatoes

FOS INULIN PECTIN Asparagus Raspberries Faecalibacterium prausnitzii_C Fermentation

Metabolism of prebiotics

Short chain fatty acids



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