Microbiome Information for: Multiple system atrophy (MSA)

For prescribing Medical professionals Review

The suggestions below are based on an Expert System (Artificial Intelligence) modelled after the MYCIN Expert System produced at Stanford University School of Medicine in 1972. The system uses over 1,800,000 facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine.

Many recent studies has found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is beleived to reduce the severity of symptoms. In some cases, this correction may cause symptoms to disappear.

These are a *priori suggestions* that are predicted to independently reduce microbiome dysfunction. Suggestions should *only be done after a review* by a medical professional factoring in patient's conditions, allergies and other issues.

This report may be freely shared by a patient to their medical professionals

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Best practise for making microbiome adjustments is to obtain the individuals microbiome. The following are the best microbiome to use with this expert system model. The suggestions below are intended as temporary suggestions until a test result in received.

In the USA
Ombre (https://www.ombrelab.com/)
Thorne (https://www.thorne.com/products/dp/gut-health-test)
***Worldwide*: BiomeSight (https://biomesight.com) - Discount Code 'MICRO'**

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Multiple system atrophy (MSA)

Nota Bena: **Many studies are done with a small sample size or mixtures of condition subsets which can greatly diminish the ability to detect bacteria shifts.**

Bacteria Name	Rank	Shift	Taxonomy ID
Aggregatibacter	*genus*	**Low**	*416916*
Akkermansia	*genus*	**High**	*239934*
Bifidobacterium	*genus*	**Low**	*1678*
Blautia	*genus*	**Low**	*572511*
Gordonibacter	*genus*	**High**	*644652*
Lactobacillus	*genus*	**High**	*1578*
Megamonas	*genus*	**Low**	*158846*
Ruminococcus	*genus*	**Low**	*1263*
[Clostridium] nexile	*species*	**Low**	*29361*

Bacteria Name	Rank	Shift	Taxonomy ID
Akkermansia muciniphila	*species*	**High**	*239935*
Alistipes onderdonkii	*species*	**High**	*328813*
Bifidobacterium pseudocatenulatum	*species*	**Low**	*28026*
Granulicatella adiacens	*species*	**Low**	*46124*
Megamonas funiformis	*species*	**Low**	*437897*
Phocaeicola coprocola	*species*	**Low**	*310298*
Phocaeicola plebeius	*species*	**Low**	*310297*
Roseburia hominis	*species*	**High**	*301301*
Staphylococcus xylosus	*species*	**High**	*1288*
Streptococcus parasanguinis	*species*	**High**	*1318*

Substance to Consider Adding or Taking

These are the most significant substances that are likely to improve the microbiome dysfunction. Dosages are based on the dosages used in clinical studies. For more information see: https://microbiomeprescription.com/library/dosages. These are provided as examples only

Colors indicates the type of substance: i.e. probiotics and prebiotics, herbs and spices, etc. There is no further meaning to them.

Antibiotics annotated with [CFS] have been used with various degree of success with Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, Chronic Lyme, Chronic Q-Fever and Long COVID conditions. Rotation of antibiotics with 3 weeks off between courses is recommended.

Akkermansia muciniphila (probiotic) 10 BCFU/day
black raspberries 50 gram/day
cranberry bean flour
grapes
metformin (prescription)
pomegranate 1 gram/day
resveratrol (grape seed/polyphenols/red wine) 2 gram/day
Tudca

Retail Probiotics

Over 260 retail probiotics were evaluted with the following deem beneficial with no known adverse risks.

SuperSmart / Akkermansia Muciniphila Postbiotic (pasturized)
Pendulum / akkermansia muciniphila
Pendulum / Pendulum Glucose Control

Note: Some of these are only available regionally – search the web for sources.

Substance to Consider Reducing or Eliminating

These are the most signigicant substances have been identified as probably contributing to the microbiome dysfunction.

In some cases blood work may show low levels of some vitamins, etc. listed below. This may be due to *greedy* bacteria reported at a high level above. Viewing bacteria data on the Kyoto Encyclopedia of Genes and Genomes (https://www.kegg.jp/) may provide better insight on the course of action to take.

ampicillin (antibiotic)s[CFS]
arabinogalactan (prebiotic)
benzylpenicillin sodium (antibiotic)
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)
iron
lactobacillus plantarum (probiotics)
oligosaccharides (prebiotic)
partially hydrolyzed guar gum
resistant starch
saccharin
soy
tetracycline (antibiotic)s

Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

Alterations of the Gut Microbiota in Multiple System Atrophy Patients.
Frontiers in neuroscience , Volume: 13 2019
Authors Wan L,Zhou X,Wang C,Chen Z,Peng H,Hou X,Peng Y,Wang P,Li T,Yuan H,Shi Y,Hou X,Xu K,Xie Y,He L,Xia K,Tang B,Jiang H

Fecal and Blood Microbial 16s rRNA Gene Alterations in Chinese Patients with Multiple System Atrophy and Its Subtypes.
Journal of Parkinson`s disease , Volume: 9 Issue: 4 2019
Authors Du J,Huang P,Qian Y,Yang X,Cui S,Lin Y,Gao C,Zhang P,He Y,Xiao Q,Chen S

Resveratrol Improves Hyperuricemia and Ameliorates Renal Injury by Modulating the Gut Microbiota.
Nutrients , Volume: 16 Issue: 7 2024 Apr 7
Authors Zhou Y,Zeng Y,Wang R,Pang J,Wang X,Pan Z,Jin Y,Chen Y,Yang Y,Ling W

Effect of Lactobacillus plantarum BFS1243 on a female frailty model induced by fecal microbiota transplantation in germ-free mice.
Food & function , 2024 Mar 22
Authors Dong S,Zeng Q,He W,Cheng W,Zhang L,Zhong R,He W,Fang X,Wei H

Polyphenols Influence the Development of Endometrial Cancer by Modulating the Gut Microbiota.
Nutrients , Volume: 16 Issue: 5 2024 Feb 28
Authors Baranowska-Wójcik E,Winiarska-Mieczan A,Olcha P,Kwiecien M,Jachimowicz-Rogowska K,Nowakowski L,Miturski A,Galczynski K

Screening competition and cross-feeding interactions during utilization of human milk oligosaccharides by gut microbes.
Microbiome research reports , Volume: 3 Issue: 1 2024
Authors Díaz R,Garrido D

Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.
International journal of biological macromolecules , Volume: 254 Issue: Pt 1 2023 Oct 31
Authors Wang Q,Jiang B,Wei M,He Y,Wang Y,Zhang Q,Wei H,Tao X

Positive efficacy of Lactiplantibacillus plantarum MH-301 as a postoperative adjunct to endoscopic sclerotherapy for internal hemorrhoids: a randomized, double-blind, placebo-controlled trial.
Food & function , 2023 Sep 1
Authors Zhang K,Liu H,Liu P,Feng Q,Gan L,Yao L,Huang G,Fang Z,Chen T,Fang N

Comparing the Influences of Metformin and Berberine on the Intestinal Microbiota of Rats With Nonalcoholic Steatohepatitis.
In vivo (Athens, Greece) , Volume: 37 Issue: 5 2023 Sep-Oct
Authors Chen D,Xiong J,Chen G,Zhang Z,Liu Y,Xu J,Xu H

Targeted modification of gut microbiota and related metabolites via dietary fiber.
Carbohydrate polymers , Volume: 316 2023 Sep 15
Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S

Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.
Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 73 Issue: 2 2022 Apr
Authors Li Z,Lei L,Ling L,Liu Y,Xiong Z,Shao Y

Tauroursodeoxycholic acid functions as a critical effector mediating insulin sensitization of metformin in obese mice.
Redox biology , Volume: 57 2022 Sep 15
Authors Zhang Y,Cheng Y,Liu J,Zuo J,Yan L,Thring RW,Ba X,Qi D,Wu M,Gao Y,Tong H

Metformin attenuated sepsis-related liver injury by modulating gut microbiota.
Emerging microbes & infections , Volume: 11 Issue: 1 2022 Dec
Authors Liang H,Song H,Zhang X,Song G,Wang Y,Ding X,Duan X,Li L,Sun T,Kan Q

Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.
International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24
Authors Wellington VNA,Sundaram VL,Singh S,Sundaram U

The relationship between human milk, a functional nutrient, and microbiota.
Critical reviews in food science and nutrition , 2021 Dec 6
Authors Sakarya E,Sanlier NT,Sanlier N

Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides *via* Reprograming Intestinal Microbes and

Ameliorating Serum Metabolism Profiles.
Frontiers in immunology , Volume: 12 2021
Authors Ding S,Jiang H,Fang J,Liu G
Bifidobacterium catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.
Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec
Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA
Supplementation with *Lactiplantibacillus plantarum* IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.
International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16
Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C
The Protection of *Lactiplantibacillus plantarum* CCFM8661 Against Benzopyrene-Induced Toxicity *via* Regulation of the Gut Microbiota.
Frontiers in immunology , Volume: 12 2021
Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F
Metformin treatment for 8 days impacts multiple intestinal parameters in high-fat high-sucrose fed mice.
Scientific reports , Volume: 11 Issue: 1 2021 Aug 17
Authors Bravard A,Gérard C,Defois C,Benoit B,Makki K,Meugnier E,Rainteau D,Rieusset J,Godet M,Vidal H
Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.
Nutrients , Volume: 13 Issue: 5 2021 May 20
Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP
Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.
Biology , Volume: 10 Issue: 4 2021 Apr 20
Authors Gulnaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY
Potato resistant starch inhibits diet-induced obesity by modifying the composition of intestinal microbiota and their metabolites in obese mice.
International journal of biological macromolecules , Volume: 180 2021 Mar 9
Authors Liang D,Zhang L,Chen H,Zhang H,Hu H,Dai X
Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.
mSystems , Volume: 6 Issue: 1 2021 Feb 23
Authors Shi Z,Lei H,Chen G,Yuan P,Cao Z,Ser HL,Zhu X,Wu F,Liu C,Dong M,Song Y,Guo Y,Chen C,Hu K,Zhu Y,Zeng XA,Zhou J,Lu Y,Patterson AD,Zhang L
Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (*Gallus gallus*): A Systematic Review.
Nutrients , Volume: 13 Issue: 1 2021 Jan 9
Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E
Selective Utilization of the Human Milk Oligosaccharides 2`-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.
Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13
Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Anglenius H,Maukonen J
Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.
Acta biochimica Polonica , Volume: 67 Issue: 4 2020 Dec 17
Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y
Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.
European journal of nutrition , 2020 Nov 22
Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H
Effects of Different Human Milk Oligosaccharides on Growth of *Bifidobacteria* in Monoculture and Co-culture With *Faecalibacterium prausnitzii*.
Frontiers in microbiology , Volume: 11 2020
Authors Cheng L,Kiewiet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P
Coadministration of metformin prevents olanzapine-induced metabolic dysfunction and regulates the gut-liver axis in rats.
Psychopharmacology , Volume: 238 Issue: 1 2021 Jan

Authors Luo C,Wang X,Huang HX,Mao XY,Zhou HH,Liu ZQ
Effects of Non-insulin Anti-hyperglycemic Agents on Gut Microbiota: A Systematic Review on Human and Animal Studies.
Frontiers in endocrinology , Volume: 11 2020
Authors Cao TTB,Wu KC,Hsu JL,Chang CS,Chou C,Lin CY,Liao YM,Lin PC,Yang LY,Lin HW
Relative abundance of the Prevotella genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.
BMC microbiology , Volume: 20 Issue: 1 2020 Sep 14
Authors Chung WSF,Walker AW,Bosscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ
Characterizing the gut microbiota in females with infertility and preliminary results of a water-soluble dietary fiber intervention study.
Journal of clinical biochemistry and nutrition , Volume: 67 Issue: 1 2020 Jul
Authors Komiya S,Naito Y,Okada H,Matsuo Y,Hirota K,Takagi T,Mizushima K,Inoue R,Abe A,Morimoto Y
Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?
Nutrients , Volume: 12 Issue: 6 2020 Jun 12
Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K
The Protective Effects of 2`-Fucosyllactose against *E. Coli* O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.
Nutrients , Volume: 12 Issue: 5 2020 May 1
Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S
Prebiotic Effects of Partially Hydrolyzed Guar Gum on the Composition and Function of the Human Microbiota-Results from the PAGODA Trial.
Nutrients , Volume: 12 Issue: 5 2020 Apr 28
Authors Reider SJ,Moosmang S,Tragust J,Trgovec-Greif L,Tragust S,Perschy L,Przysiecki N,Sturm S,Tilg H,Stuppner H,Rattei T,Moschen AR
Cultivation of the Next-Generation Probiotic Akkermansia muciniphila, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.
Current microbiology , Volume: 77 Issue: 8 2020 Aug
Authors Ropot AV,Karamzin AM,Sergeyev OV
Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.
International journal of food sciences and nutrition , Volume: 71 Issue: 8 2020 Dec
Authors Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G
2`-fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice.
Nutrients , Volume: 12 Issue: 4 2020 Apr 5
Authors Lee S,Goodson M,Vang W,Kalanetra K,Barile D,Raybould H
Conserved and variable responses of the gut microbiome to resistant starch type 2.
Nutrition research (New York, N.Y.) , Volume: 77 2020 Feb 22
Authors Bendiks ZA,Knudsen KEB,Keenan MJ,Marco ML
Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.
Molecular nutrition & food research , 2020 Apr 5
Authors Han X,Guo J,Yin M,Liu Y,You Y,Zhan J,Huang W
Anti-obesity effects of a-amylase inhibitor enriched-extract from white common beans (Phaseolus vulgaris L.) associated with the modulation of gut microbiota composition in high-fat diet-induced obese rats.
Food & function , Volume: 11 Issue: 2 2020 Feb 26
Authors Shi Z,Zhu Y,Teng C,Yao Y,Ren G,Richel A
Dietary resistant starch modifies the composition and function of caecal microbiota of broilers.
Journal of the science of food and agriculture , Volume: 100 Issue: 3 2020 Feb
Authors Zhang Y,Liu Y,Li J,Xing T,Jiang Y,Zhang L,Gao F
Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.
NPJ biofilms and microbiomes , Volume: 5 2019
Authors La Carpia F,Wojczyk BS,Annavajhala MK,Rebbaa A,Culp-Hill R,D`Alessandro A,Freedberg DE,Uhlemann AC,Hod EA
Effect of Repeated Consumption of Partially Hydrolyzed Guar Gum on Fecal Characteristics and Gut Microbiota: A Randomized, Double-Blind, Placebo-Controlled, and Parallel-Group Clinical Trial.
Nutrients , Volume: 11 Issue: 9 2019 Sep 10
Authors Yasukawa Z,Inoue R,Ozeki M,Okubo T,Takagi T,Honda A,Naito Y
Immunomodulatory and Prebiotic Effects of 2`-Fucosyllactose in Suckling Rats.
Frontiers in immunology , Volume: 10 2019
Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van`t Land B,Tims S,Stahl B,Garssen J,Franch

À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

Dietary Factors and Modulation of Bacteria Strains of Akkermansia muciniphila and Faecalibacterium prausnitzii: A Systematic Review.

Nutrients , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.

PloS one , Volume: 14 Issue: 7 2019

Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

The role of short-chain fatty acids in microbiota-gut-brain communication.

Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B,Van Oudenhove L,Vervliet B,Verbeke K

Akkermansia muciniphila is a promising probiotic.

Microbial biotechnology , 2019 Apr 21

Authors Zhang T,Li Q,Cheng L,Buch H,Zhang F

Metformin and gut microbiota: their interactions and their impact on diabetes.

Hormones (Athens, Greece) , 2019 Feb 4

Authors Vallianou NG,Stratigou T,Tsagarakis S

Dark chocolate as a stable carrier of microencapsulated Akkermansia muciniphila and Lactobacillus casei.

FEMS microbiology letters , Volume: 366 Issue: 2 2019 Jan 1

Authors Marcial-Coba MS,Saaby L,Knøchel S,Nielsen DS

Arabinoxylan from Argentinian whole wheat flour promote the growth of Lactobacillus reuteri and Bifidobacterium breve.

Letters in applied microbiology , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C,Salvucci E,Moiraghi M,Fernandez Canigia L,Pérez GT

Strategies to promote abundance of Akkermansia muciniphila, an emerging probiotics in the gut, evidence from dietary intervention studies.

Journal of functional foods , Volume: 33 2017 Jun

Authors Zhou K

A next generation probiotic, Akkermansia muciniphila.

Critical reviews in food science and nutrition , 2018 Oct 29

Authors Zhai Q,Feng S,Arjan N,Chen W

Characterization of the Functional Changes in Mouse Gut Microbiome Associated with Increased Akkermansia muciniphila Population Modulated by Dietary Black Raspberries.

ACS omega , Volume: 3 Issue: 9 2018 Sep 30

Authors Tu P,Bian X,Chi L,Gao B,Ru H,Knobloch TJ,Weghorst CM,Lu K

Metagenomic Insights into the Degradation of Resistant Starch by Human Gut Microbiota.

Applied and environmental microbiology , Volume: 84 Issue: 23 2018 Dec 1

Authors Vital M,Howe A,Bergeron N,Krauss RM,Jansson JK,Tiedje JM

Diversity and probiotic potentials of lactic acid bacteria isolated from gilaburu, a traditional Turkish fermented European cranberrybush (Viburnum opulus L.) fruit drink.

Food research international (Ottawa, Ont.) , Volume: 64 2014 Oct

Authors Sagdic O,Ozturk I,Yapar N,Yetim H

Metformin: old friend, new ways of action-implication of the gut microbiome?

Current opinion in clinical nutrition and metabolic care , Volume: 21 Issue: 4 2018 Jul

Authors Rodriguez J,Hiel S,Delzenne NM

Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.

Journal of applied microbiology , Volume: 125 Issue: 1 2018 Jul

Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K

Extensive impact of non-antibiotic drugs on human gut bacteria.

Nature , Volume: 555 Issue: 7698 2018 Mar 29

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.

Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7

Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM

Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.

Canadian journal of microbiology , 2018 Feb 5

Authors Wang Y,Guo Y,Chen H,Wei H,Wan C

Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.

Carcinogenesis , 2018 Jan 19

Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X

The Relationship between Habitual Dietary Intake and Gut Microbiota in Young Japanese Women.

Journal of nutritional science and vitaminology , Volume: 63 Issue: 6 2017

Authors Seura T,Yoshino Y,Fukuwatari T

Systematic review: human gut dysbiosis induced by non-antibiotic prescription medications.

Alimentary pharmacology & therapeutics , Volume: 47 Issue: 3 2018 Feb

Authors Le Bastard Q,Al-Ghalith GA,Grégoire M,Chapelet G,Javaudin F,Dailly E,Batard E,Knights D,Montassier E

Modulation of the gut microbiota by metformin improves metabolic profiles in aged obese mice.

Gut microbes , 2017 Nov 20

Authors Lee H,Lee Y,Kim J,An J,Lee S,Kong H,Song Y,Lee CK,Kim K

Tauroursodeoxycholic acid inhibits intestinal inflammation and barrier disruption in mice with non-alcoholic fatty liver disease.

British journal of pharmacology , Volume: 175 Issue: 3 2018 Feb

Authors Wang W,Zhao J,Gui W,Sun D,Dai H,Xiao L,Chu H,Du F,Zhu Q,Schnabl B,Huang K,Yang L,Hou X

A polyphenol-rich cranberry extract reverses insulin resistance and hepatic steatosis independently of body weight loss.

Molecular metabolism , Volume: 6 Issue: 12 2017 Dec

Authors Anhê FF,Nachbar RT,Varin TV,Vilela V,Dudonné S,Pilon G,Fournier M,Lecours MA,Desjardins Y,Roy D,Levy E,Marette A

Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.

The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.

International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4

Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D

Dietary soy, meat, and fish proteins modulate the effects of prebiotic raffinose on composition and fermentation of gut microbiota in rats.

International journal of food sciences and nutrition , Volume: 69 Issue: 4 2018 Jun

Authors Bai G,Tsuruta T,Nishino N

Lactobacillus plantarum LP-Onlly alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.

Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

Beef, Chicken, and Soy Proteins in Diets Induce Different Gut Microbiota and Metabolites in Rats.

Frontiers in microbiology , Volume: 8 2017

Authors Zhu Y,Shi X,Lin X,Ye K,Xu X,Li C,Zhou G

Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.

Nutrition and cancer , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

Effect of Soy Isoflavones on Growth of Representative Bacterial Species from the Human Gut.

Nutrients , Volume: 9 Issue: 7 2017 Jul 8

Authors Vázquez L,Flórez AB,Guadamuro L,Mayo B

A human gut commensal ferments cranberry carbohydrates to produce formate.

Applied and environmental microbiology , 2017 Jun 30

Authors Özcan E,Sun J,Rowley DC,Sela DA

Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects.

Omics : a journal of integrative biology , Volume: 22 Issue: 2 2018 Feb

Authors Bekiares N,Krueger CG,Meudt JJ,Shanmuganayagam D,Reed JD

Gastrointestinal Simulation Model TWIN-SHIME Shows Differences between Human Urolithin-Metabotypes in Gut Microbiota Composition, Pomegranate Polyphenol Metabolism, and Transport along the Intestinal Tract.

Journal of agricultural and food chemistry , Volume: 65 Issue: 27 2017 Jul 12

Authors García-Villalba R,Vissenaekens H,Pitart J,Romo-Vaquero M,Espín JC,Grootaert C,Selma MV,Raes K,Smagghe G,Possemiers S,Van Camp J,Tomas-Barberan FA

The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.

Science translational medicine , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

Influence of diet on the gut microbiome and implications for human health.

Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8

Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W

Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.

Journal of dairy science , Volume: 100 Issue: 4 2017 Apr

Authors Boudry G,Hamilton MK,Chichlowski M,Wickramasinghe S,Barile D,Kalanetra KM,Mills DA,Raybould HE

Ursodeoxycholic Acid and Its Taurine- or Glycine-Conjugated Species Reduce Colitogenic Dysbiosis and Equally Suppress Experimental Colitis in Mice.

Applied and environmental microbiology , Volume: 83 Issue: 7 2017 Apr 1

Authors Van den Bossche L,Hindryckx P,Devisscher L,Devriese S,Van Welden S,Holvoet T,Vilchez-Vargas R,Vital M,Pieper DH,Vanden Bussche J,Vanhaecke L,Van de Wiele T,De Vos M,Laukens D

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.

Diabetes , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM,Kim TT,Denou E,Soltys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR

Clustering according to urolithin metabotype explains the interindividual variability in the improvement of cardiovascular risk biomarkers in overweight-obese individuals consuming pomegranate: A randomized clinical trial.

Molecular nutrition & food research , Volume: 61 Issue: 5 2017 May

Authors González-Sarrías A,García-Villalba R,Romo-Vaquero M,Alasalvar C,Örem A,Zafrilla P,Tomás-Barberán FA,Selma MV,Espín JC

Soy and Gut Microbiota: Interaction and Implication for Human Health.

Journal of agricultural and food chemistry , Volume: 64 Issue: 46 2016 Nov 23

Authors Huang H,Krishnan HB,Pham Q,Yu LL,Wang TT

Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.

BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26

Authors Bunesova V,Lacroix C,Schwab C

Oral supplementation of healthy adults with 2`-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.

The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct

Authors Elison E,Vigsnaes LK,Rindom Krogsgaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P

An ATP Binding Cassette Transporter Mediates the Uptake of a-(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.

The Journal of biological chemistry , Volume: 291 Issue: 38 2016 Sep 16

Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M

Supplementation with fruit and okara soybean by-products and amaranth flour increases the folate production by starter and probiotic cultures.

International journal of food microbiology , Volume: 236 2016 Nov 7

Authors Albuquerque MA,Bedani R,Vieira AD,LeBlanc JG,Saad SM

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with Lactobacillus plantarum ZDY2013.

Journal of dairy science , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

In vitro extraction and fermentation of polyphenols from grape seeds (Vitis vinifera) by human intestinal microbiota.

Food & function , Volume: 7 Issue: 4 2016 Apr

Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.

Food & function , Volume: 7 Issue: 3 2016 Mar

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

Manipulation of the gut microbiota using resistant starch is associated with protection against colitis-associated colorectal cancer in rats.

Carcinogenesis , Volume: 37 Issue: 4 2016 Apr

Authors Hu Y,Le Leu RK,Christophersen CT,Somashekar R,Conlon MA,Meng XQ,Winter JM,Woodman RJ,McKinnon R,Young GP

Triggering Akkermansia with dietary polyphenols: A new weapon to combat the metabolic syndrome?

Gut microbes , Volume: 7 Issue: 2 2016

Authors Anhê FF,Pilon G,Roy D,Desjardins Y,Levy E,Marette A

Diets enriched with cranberry beans alter the microbiota and mitigate colitis severity and associated inflammation.

The Journal of nutritional biochemistry , Volume: 28 2016 Feb

Authors Monk JM,Lepp D,Zhang CP,Wu W,Zarepoor L,Lu JT,Pauls KP,Tsao R,Wood GA,Robinson LE,Power KA

The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 (IBRC-M 10784) as Probiotic Bacteria in vitro.

Archives of Iranian medicine , Volume: 19 Issue: 2 2016 Feb

Authors Mahboubi M,Kazempour N

Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.

The Journal of nutrition , Volume: 146 Issue: 2 2016 Feb

Authors Jacobi SK,Yatsunenko T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J

Table grape consumption reduces adiposity and markers of hepatic lipogenesis and alters gut microbiota in butter fat-fed mice.

The Journal of nutritional biochemistry , Volume: 27 2016 Jan

Authors Baldwin J,Collins B,Wolf PG,Martinez K,Shen W,Chuang CC,Zhong W,Cooney P,Cockrell C,Chang E,Gaskins HR,McIntosh MK

The effect of dietary resistant starch type 2 on the microbiota and markers of gut inflammation in rural Malawi children.

Microbiome , Volume: 3 2015 Sep 3

Authors Ordiz MI,May TD,Mihindukulasuriya K,Martin J,Crowley J,Tarr PI,Ryan K,Mortimer E,Gopalsamy G,Maleta K,Mitreva M,Young G,Manary MJ

Equol status and changes in fecal microbiota in menopausal women receiving long-term treatment for menopause symptoms with a soy-isoflavone concentrate.

Frontiers in microbiology , Volume: 6 2015

Authors Guadamuro L,Delgado S,Redruello B,Flórez AB,Suárez A,Martínez-Camblor P,Mayo B

In vitro digestion and fermentation properties of linear sugar-beet arabinan and its oligosaccharides.

Carbohydrate polymers , Volume: 131 2015 Oct 20

Authors Moon JS,Shin SY,Choi HS,Joo W,Cho SK,Li L,Kang JH,Kim TJ,Han NS

Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.

Food & function , Volume: 6 Issue: 8 2015 Aug

Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finegold SM,Heber D

Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.

Anaerobe , Volume: 34 2015 Aug

Authors Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM

Antimicrobial activity and antibiotic susceptibility of Lactobacillus and Bifidobacterium spp. intended for use as starter and probiotic cultures.

Biotechnology, biotechnological equipment , Volume: 29 Issue: 1 2015 Jan 2

Authors Georgieva R,Yocheva L,Tserovska L,Zhelezova G,Stefanova N,Atanasova A,Danguleva A,Ivanova G,Karapetkov N,Rumyan N,Karaivanova E

Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.

Food chemistry , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

Modulation of the intestinal microbiota is associated with lower plasma cholesterol and weight gain in hamsters fed chardonnay grape seed flour.

Journal of agricultural and food chemistry , Volume: 63 Issue: 5 2015 Feb 11

Authors Kim H,Kim DH,Seo KH,Chon JW,Nah SY,Bartley GE,Arvik T,Lipson R,Yokoyama W

Consumption of partially hydrolysed guar gum stimulates Bifidobacteria and butyrate-producing bacteria in the human large intestine.

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Ohashi Y,Sumitani K,Tokunaga M,Ishihara N,Okubo T,Fujisawa T

Diets high in resistant starch and arabinoxylan modulate digestion processes and SCFA pool size in the large intestine and faecal microbial composition in pigs.

The British journal of nutrition , Volume: 112 Issue: 11 2014 Dec 14

Authors Nielsen TS,Lærke HN,Theil PK,Sørensen JF,Saarinen M,Forssten S,Knudsen KE

Dietary supplementation with soybean oligosaccharides increases short-chain fatty acids but decreases protein-derived catabolites in the intestinal luminal content of weaned Huanjiang mini-piglets.

Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep

Authors Zhou XL,Kong XF,Lian GQ,Blachier F,Geng MM,Yin YL

Long-term intake of a high prebiotic fiber diet but not high protein reduces metabolic risk after a high fat challenge and uniquely alters gut microbiota and hepatic gene expression.

Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep

Authors Saha DC,Reimer RA

Effects of diet on gut microbiota profile and the implications for health and disease.

Bioscience of microbiota, food and health , Volume: 32 Issue: 1 2013

Authors Lee YK

Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E,Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T

Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.

Food & function , Volume: 5 Issue: 6 2014 Jun

Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G

Evaluation of bean and soy tempeh influence on intestinal bacteria and estimation of antibacterial properties of bean tempeh.

Polish journal of microbiology , Volume: 62 Issue: 2 2013

Authors Kuligowski M,Jasinska-Kuligowska I,Nowak J

Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.

Glycobiology , Volume: 23 Issue: 11 2013 Nov

Authors Yu ZT,Chen C,Newburg DS

Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.

Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec

Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

Prebiotic effects of arabinoxylan oligosaccharides on juvenile Siberian sturgeon (Acipenser baerii) with emphasis on the modulation of the gut microbiota using 454 pyrosequencing.

FEMS microbiology ecology , Volume: 86 Issue: 2 2013 Nov

Authors Geraylou Z,Souffreau C,Rurangwa E,Maes GE,Spanier KI,Courtin CM,Delcour JA,Buyse J,Ollevier F

The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.

Glycobiology , Volume: 23 Issue: 2 2013 Feb

Authors Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.

FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan

Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C

Grape antioxidant dietary fiber stimulates Lactobacillus growth in rat cecum.

Journal of food science , Volume: 77 Issue: 2 2012 Feb

Authors Pozuelo MJ,Agis-Torres A,Hervert-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I

Effects of non-fermented and fermented soybean milk intake on faecal microbiota and faecal metabolites in humans.

International journal of food sciences and nutrition , Volume: 63 Issue: 4 2012 Jun

Authors Inoguchi S,Ohashi Y,Narai-Kanayama A,Aso K,Nakagaki T,Fujisawa T

Arabinoxylans and inulin differentially modulate the mucosal and luminal gut microbiota and mucin-degradation in humanized rats.

Environmental microbiology , Volume: 13 Issue: 10 2011 Oct

Authors Van den Abbeele P,Gérard P,Rabot S,Bruneau A,El Aidy S,Derrien M,Kleerebezem M,Zoetendal EG,Smidt H,Verstraete W,Van de Wiele T,Possemiers S

Influence of a probiotic soy product on fecal microbiota and its association with cardiovascular risk factors in an animal model.

Lipids in health and disease , Volume: 10 2011 Jul 29

Authors Cavallini DC,Suzuki JY,Abdalla DS,Vendramini RC,Pauly-Silveira ND,Roselino MN,Pinto RA,Rossi EA

Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.

PloS one , Volume: 6 Issue: 6 2011

Authors Neyrinck AM,Possemiers S,Druart C,Van de Wiele T,De Backer F,Cani PD,Larondelle Y,Delzenne NM

Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.

Poultry science , Volume: 90 Issue: 3 2011 Mar

Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A

The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.

International journal of food microbiology , Volume: 140 Issue: 2-3 2010 Jun 15

Authors Bialonska D,Ramnani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D

Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.

The British journal of nutrition , Volume: 104 Issue: 7 2010 Oct

Authors Balamurugan R,Mary RR,Chittaranjan S,Jancy H,Shobana Devi R,Ramakrishna BS

Consumption of human milk oligosaccharides by gut-related microbes.

Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12

Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA

Comparisons of subgingival microbial profiles of refractory periodontitis, severe periodontitis, and periodontal health using the human oral microbe identification microarray.

Journal of periodontology , Volume: 80 Issue: 9 2009 Sep

Authors Colombo AP,Boches SK,Cotton SL,Goodson JM,Kent R,Haffajee AD,Socransky SS,Hasturk H,Van Dyke TE,Dewhirst F,Paster BJ

Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.

Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct

Authors Knol J,Boehm G,Lidestri M,Negretti F,Jelinek J,Agosti M,Stahl B,Marini A,Mosca F

Antibiotic susceptibility profiles of new probiotic Lactobacillus and Bifidobacterium strains.

International journal of food microbiology , Volume: 98 Issue: 2 2005 Feb 1

Authors Zhou JS,Pillidge CJ,Gopal PK,Gill HS

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May

Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG

Antibiotic susceptibility of potentially probiotic Lactobacillus species.

Journal of food protection , Volume: 61 Issue: 12 1998 Dec

Authors Charteris WP,Kelly PM,Morelli L,Collins JK

Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract.

Letters in applied microbiology , Volume: 26 Issue: 5 1998 May

Authors Charteris WP,Kelly PM,Morelli L,Collins JK

Antibacterial sensitivity of Bifidobacterium (Lactobacillus bifidus).

Journal of bacteriology , Volume: 93 Issue: 1 1967 Jan

Authors Miller LG,Finegold SM

Effect of saccharin on growth and acid production of glucose-grown pathogenic and oral bacteria.

Microbios , Volume: 42 Issue: 169-170 1985

Authors Linke HA,Doyle GA

Curated database of commensal, symbiotic and pathogenic microbiota

Generative Bioinformatics , Volume: Issue: 2014 Jun

Authors D'Adamo Peter

Additional APriori Analysis Available

Available at: https://microbiomeprescription.com/Library/PubMed

Abdominal Aortic Aneurysm
Acne
ADHD
Age-Related Macular Degeneration and Glaucoma
Allergic Rhinitis (Hay Fever)
Allergies
Allergy to milk products
Alopecia (Hair Loss)
Alzheimer's disease
Amyotrophic lateral sclerosis (ALS) Motor Neuron
Ankylosing spondylitis
Anorexia Nervosa
Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Atrial fibrillation
Autism
Autoimmune Disease
Barrett esophagus cancer
benign prostatic hyperplasia
Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Halitosis

Hashimoto's thyroiditis
Heart Failure
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
Histamine Issues
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Small Intestinal Bacterial Overgrowth (SIBO)

Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing