Microbiome Information for: Allergic Rhinitis (Hay Fever)

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

---

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'**

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229
Email: Research@MicrobiomePrescription.com

Our Facebook Discussion Page

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Allergic Rhinitis (Hay Fever)

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
Actinomycetes	*class*	Low	*1760*
Porphyromonadaceae	*family*	Low	*171551*
Ruminococcaceae	*family*	High	*541000*
Bacteroides	*genus*	High	*816*
Bifidobacterium	*genus*	Low	*1678*
Clostridium	*genus*	High	*1485*
Enterobacter	*genus*	High	*547*
Enterococcus	*genus*	High	*1350*
Escherichia	*genus*	High	*561*
Lactobacillus	*genus*	Low	*1578*
Parabacteroides	*genus*	High	*375288*
Prevotella	*genus*	High	*838*
Pyramidobacter	*genus*	High	*638847*
Bacteroidales	*order*	High	*171549*
[Clostridium] hylemonae	*species*	High	*89153*
[Ruminococcus] gnavus	*species*	High	*33038*
Acetivibrio straminisolvens	*species*	Low	*253314*
Acidaminococcus intestini	*species*	High	*187327*
Agathobaculum butyriciproducens	*species*	Low	*1628085*
Anaerotruncus colihominis	*species*	High	*169435*
Bifidobacterium adolescentis	*species*	Low	*1680*
Bifidobacterium catenulatum	*species*	Low	*1686*
Bifidobacterium longum	*species*	Low	*216816*
Clostridium butyricum	*species*	Low	*1492*
Coprococcus eutactus	*species*	Low	*33043*
Dialister succinatiphilus	*species*	Low	*487173*
Enterocloster asparagiformis	*species*	Low	*333367*
Eubacterium xylanophilum	*species*	Low	*39497*
Intestinimonas butyriciproducens	*species*	Low	*1297617*
Muricomes intestini	*species*	Low	*1796634*
Murimonas intestini	*species*	Low	*1337051*
Oscillibacter valericigenes	*species*	Low	*351091*
Oxalobacter formigenes	*species*	Low	*847*
Phocaeicola massiliensis	*species*	Low	*204516*
Rothia mucilaginosa	*species*	Low	*43675*
Ruminiclostridium papyrosolvens	*species*	Low	*29362*
Sutterella wadsworthensis	*species*	Low	*40545*

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.

animal-based diet
ascophyllum nodosum (sea weed)
berberine 1.5 gram/day
bile (acid/salts)
carboxymethyl cellulose (prebiotic)
chloramphenicol (antibiotic)s
clopamide,(prescription)
Dextrin 40 gram/day
diethylcarbamazine citrate,(prescription)
fluorine
gluten-free diet
glyphosphate
high beef diet
high-fat diets
ibuprofen
laminaria hyperborea(tangle/cuvie - seaweed)
low carbohydrate diet
low fodmap diet
macrolide ((antibiotic)s)
magnesium-deficient diet
NEOMYCIN (ANTIBIOTIC)S[CFS]
nitrofurantoin (antibiotic)
pempidine tartrate,(prescription)
penicillin-moxalactam (antibiotic)s
propidium iodide non-drug
Pulses
red alga Laurencia tristicha
rifampicin (antibiotic)s
saccharin 450 mg/day
salt (sodium chloride)
sodium butyrate
spectinomycin dihydrochloride (antibiotic)
ß-glucan 500 mg/day
sucralose 340 mg/day
tea
vegetarians
Vitamin B1,thiamine hydrochloride 1.8 gram/day
Xanthohumol

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.

- acarbose,(prescription)
- arabinogalactan (prebiotic)
- bacillus subtilis (probiotics)
- ciprofloxacin (antibiotic)s[CFS]
- clostridium butyricum (probiotics),Miya,Miyarisan
- fructo-oligosaccharides (prebiotic)
- gentamicin (antibiotic)s
- Glucomannan
- gum arabic (prebiotic)
- Human milk oligosaccharides (prebiotic, Holigos, Stachyose)
- inulin (prebiotic)
- lactobacillus acidophilus (probiotics)
- lactobacillus casei (probiotics)
- lactobacillus paracasei (probiotics)
- lactobacillus plantarum (probiotics)
- lactulose
- quercetin
- resistant starch
- resveratrol (grape seed/polyphenols/red wine)
- rosmarinus officinalis,rosemary
- soy
- wheat
- wheat bran
- whey

Sample of Literature Used

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

Pediatric allergic rhinitis with functional gastrointestinal disease: Associations with the intestinal microbiota and gastrointestinal peptides and therapeutic effects of interventions.
Human & experimental toxicology , 2021 May 21
Authors Hu B,Kuang Y,Jing Y,Li Y,Zhao H,Ouyang H

Differences in gut microbiota between allergic rhinitis, atopic dermatitis, and skin urticaria: A pilot study.
Medicine , Volume: 100 Issue: 9 2021 Mar 5
Authors Su YJ,Luo SD,Hsu CY,Kuo HC

[Role of gut microbiota in children with allergic rhinitis with high serum total IgE level].
Lin chuang er bi yan hou tou jing wai ke za zhi = Journal of clinical otorhinolaryngology, head, and neck surgery , Volume: 34 Issue: 12 2020 Dec
Authors Lin Y,Rui X,Li Y

The Gut Microbiome of Adults with Allergic Rhinitis Is Characterised by Reduced Diversity and an Altered Abundance of Key Microbial Taxa Compared to Controls.
International archives of allergy and immunology , Volume: 182 Issue: 2 2021
Authors Watts AM,West NP,Zhang P,Smith PK,Cripps AW,Cox AJ

Dysbiosis of Fecal Microbiota in Allergic Rhinitis Patients.
American journal of rhinology & allergy , Volume: 34 Issue: 5 2020 Sep
Authors Liu X,Tao J,Li J,Cao X,Li Y,Gao X,Fu Y

Nasal instillation of probiotic extracts inhibits experimental allergic rhinitis.
Immunotherapy , Volume: 11 Issue: 15 2019 Oct
Authors Zeng XH,Yang G,Liu JQ,Geng XR,Cheng BH,Liu ZQ,Yang PC

Gut microbial dysbiosis is associated with allergen-specific IgE responses in young children with airway allergies.
The World Allergy Organization journal , Volume: 12 Issue: 3 2019
Authors Chiu CY,Chan YL,Tsai MH,Wang CJ,Chiang MH,Chiu CC

Diversity of intestinal bifidobacteria in patients with Japanese cedar pollinosis and possible influence of probiotic intervention.
Current microbiology , Volume: 62 Issue: 1 2011 Jan
Authors Kubota A,He F,Kawase M,Harata G,Hiramatsu M,Iino H

sRAGE-binding and antimicrobial bioactivities of soy and pea protein after heating and in vitro infant digestion.
Food research international (Ottawa, Ont.) , Volume: 183 2024 May
Authors Tang J,Teodorowicz M,Boeren S,Wichers HJ,Hettinga KA

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

Gut Microbiota and Inflammation Modulation in a Rat Model for Ulcerative Colitis after the Intraperitoneal Administration of Apigenin, Luteolin, and Xanthohumol.
International journal of molecular sciences , Volume: 25 Issue: 6 2024 Mar 12
Authors Magadán-Corpas P,Pérez-Valero Á,Ye S,Sordon S,Huszcza E,Poplonski J,Villar CJ,Lombó F

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

Diet Mediate the Impact of Host Habitat on Gut Microbiome and Influence Clinical Indexes by Modulating Gut Microbes and Serum Metabolites.
Advanced science (Weinheim, Baden-Wurttemberg, Germany) , 2024 Mar 13
Authors Zhang J,Qi H,Li M,Wang Z,Jia X,Sun T,Du S,Su C,Zhi M,Du W,Ouyang Y,Wang P,Huang F,Jiang H,Li L,Bai J,Wei Y,Zhang X,Wang H,Zhang B,Feng Q

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

Gut enterotype-dependent modulation of gut microbiota and their metabolism in response to xanthohumol supplementation in healthy adults.
Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec
Authors Jamieson PE,Smart EB,Bouranis JA,Choi J,Danczak RE,Wong CP,Paraiso IL,Maier CS,Ho E,Sharpton TJ,Metz TO,Bradley

R,Stevens JF

Gut microbiome supplementation as therapy for metabolic syndrome.

World journal of diabetes , Volume: 14 Issue: 10 2023 Oct 15

Authors Antony MA,Chowdhury A,Edem D,Raj R,Nain P,Joglekar M,Verma V,Kant R

Utilization of diverse oligosaccharides for growth by Bifidobacterium and Lactobacillus species and their in vitro co-cultivation characteristics.

International microbiology : the official journal of the Spanish Society for Microbiology , 2023 Nov 9

Authors Dong Y,Han M,Fei T,Liu H,Gai Z

The Effects of Black Tea Consumption on Intestinal Microflora-A Randomized Single-Blind Parallel-Group, Placebo-Controlled Study.

Journal of nutritional science and vitaminology , Volume: 69 Issue: 5 2023

Authors Tomioka R,Tanaka Y,Suzuki M,Ebihara S

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

Effect of a Co-Feed Liquid Whey-Integrated Diet on Crossbred Pigs` Fecal Microbiota.

Animals : an open access journal from MDPI , Volume: 13 Issue: 11 2023 May 25

Authors Sutera AM,Arfuso F,Tardiolo G,Riggio V,Fazio F,Aiese Cigliano R,Paytuví A,Piccione G,Zumbo A

Functional proteins in breast milk and their correlation with the development of the infant gut microbiota: a study of mother-infant pairs.

Frontiers in microbiology , Volume: 14 2023

Authors Xi M,Liang D,Yan Y,Duan S,Leng H,Yang H,Shi X,Na X,Yang Y,Yang C,Szeto IM,Zhao A

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

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W,Ji G,Zhang L

Influences of wheat bran fiber on growth performance, nutrient digestibility, and intestinal epithelium functions in Xiangcun pigs.

Heliyon , Volume: 9 Issue: 7 2023 Jul

Authors Liu J,Luo Y,Kong X,Yu B,Zheng P,Huang Z,Mao X,Yu J,Luo J,Yan H,He J

Sodium butyrate ameliorates diabetic retinopathy in mice via the regulation of gut microbiota and related short-chain fatty acids.

Journal of translational medicine , Volume: 21 Issue: 1 2023 Jul 7

Authors Huang Y,Wang Z,Ye B,Ma JH,Ji S,Sheng W,Ye S,Ou Y,Peng Y,Yang X,Chen J,Tang S

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

Gentamicin alleviates cholestatic liver injury by decreasing gut microbiota-associated bile salt hydrolase activity in rats.

European journal of pharmacology , Volume: 951 2023 May 12

Authors Ma Y,Wang H,Yang J,Xin M,Wu X

Low dosage fluorine ameliorates the bioaccumulation, hepatorenal dysfunction and oxidative stress, and gut microbiota perturbation of cadmium in rats.

Environmental pollution (Barking, Essex : 1987) , Volume: 324 2023 May 1

Authors Li D,Yang C,Xu X,Li S,Luo G,Zhang C,Wang Z,Sun D,Cheng J,Zhang Q

Miya Improves Osteoarthritis Characteristics via the Gut-Muscle-Joint Axis According to Multi-Omics Analyses.

Frontiers in pharmacology , Volume: 13 2022

Authors Xu T,Yang D,Liu K,Gao Q,Liu Z,Li G

Natural Dietary Compound Xanthohumol Regulates the Gut Microbiota and Its Metabolic Profile in a Mouse Model of Alzheimer`s Disease.

Molecules (Basel, Switzerland) , Volume: 27 Issue: 4 2022 Feb 14

Authors Liu W,He K,Wu D,Zhou L,Li G,Lin Z,Yang X,Liu J,Pui Man Hoi M

Substitution of Refined Conventional Wheat Flour with Wheat High in Resistant Starch Modulates the Intestinal Microbiota and Fecal Metabolites in Healthy Adults: A Randomized, Controlled Trial.

The Journal of nutrition , 2022 Jan 31

Authors Gondalia SV,Wymond B,Benassi-Evans B,Berbezy P,Bird AR,Belobrajdic DP

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

Effects of Dietary Supplementation With *Bacillus subtilis*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.

Frontiers in nutrition , Volume: 8 2021

Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG

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

Fructooligosaccharides Increase in Plasma Concentration of (-)-Epigallocatechin-3-Gallate in Rats.

Journal of agricultural and food chemistry , Volume: 69 Issue: 49 2021 Dec 15

Authors Unno T,Araki Y,Inagaki S,Kobayashi M,Ichitani M,Takihara T,Kinugasa H

Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with *Schistosoma japonicum*.

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

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

Metagenomic Analysis of Intestinal Microbiota in Florated Rats.

Biological trace element research , Volume: 200 Issue: 7 2022 Jul

Authors Komuroglu AU,Seckin H,Ertas M,Meydan I

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

Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces *Enterobacteriaceae* Family Abundance and Elevates Propionate in a Bioreactor Model.

Frontiers in microbiology , Volume: 12 2021

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.

Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov

Authors Marzorati M,Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young A

Bacillus pumilus and *Bacillus subtilis* Promote Early Maturation of Cecal Microbiota in Broiler Chickens.

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7

Authors Bilal M,Achard C,Barbe F,Chevaux E,Ronholm J,Zhao X

The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.

Advances in nutrition (Bethesda, Md.) , 2021 Sep 23

Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD

Selenium-Enriched *Lactobacillus acidophilus* Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice by Regulating Inflammatory Cytokines and Intestinal Microbiota.

Frontiers in medicine , Volume: 8 2021

Authors Wu Z,Pan D,Jiang M,Sang L,Chang B

Lacticaseibacillus paracasei NK112 mitigates *Escherichia coli*-induced depression and cognitive impairment in mice by

regulating IL-6 expression and gut microbiota.

Beneficial microbes , 2021 Sep 13

Authors Yun SW,Kim JK,Han MJ,Kim DH

Xanthohumol Requires the Intestinal Microbiota to Improve Glucose Metabolism in Diet-Induced Obese Mice.

Molecular nutrition & food research , Volume: 65 Issue: 21 2021 Nov

Authors Logan IE,Shulzhenko N,Sharpton TJ,Bobe G,Liu K,Nuss S,Jones ML,Miranda CL,Vasquez-Perez S,Pennington JM,Leonard SW,Choi J,Wu W,Gurung M,Kim JP,Lowry MB,Morgun A,Maier CS,Stevens JF,Gombart AF

Pharmacological benefits of *Acacia* against metabolic diseases: intestinal-level bioactivities and favorable modulation of gut microbiota.

Archives of physiology and biochemistry , 2021 Aug 19

Authors Saha MR,Dey P

Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.

Frontiers in nutrition , Volume: 8 2021

Authors Karakan T,Tuohy KM,Janssen-van Solingen G

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn`s disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23

Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K

Intestinal Microbiota Mediates High-Fructose and High-Fat Diets to Induce Chronic Intestinal Inflammation.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Tan R,Dong H,Chen Z,Jin M,Yin J,Li H,Shi D,Shao Y,Wang H,Chen T,Yang D,Li J

Habitual Dietary Intake Affects the Altered Pattern of Gut Microbiome by Acarbose in Patients with Type 2 Diabetes.

Nutrients , Volume: 13 Issue: 6 2021 Jun 19

Authors Takewaki F,Nakajima H,Takewaki D,Hashimoto Y,Majima S,Okada H,Senmaru T,Ushigome E,Hamaguchi M,Yamazaki M,Tanaka Y,Nakajima S,Ohno H,Fukui M

Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.

Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation , 2021 Jun 11

Authors Biruete A,Cross TL,Allen JM,Kistler BM,de Loor H,Evenepoel P,Fahey GC Jr,Bauer L,Swanson KS,Wilund KR

Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 10

Authors Chen Y,Zhang H,Chen Y,Jia P,Ji S,Zhang Y,Wang T

Modulatory Effects of *Bacillus subtilis* on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 24

Authors Zhang G,Wang H,Zhang J,Tang X,Raheem A,Wang M,Lin W,Liang L,Qi Y,Zhu Y,Jia Y,Cui S,Qin T

Effect of *Lacticaseibacillus paracasei* Strain Shirota on Improvement in Depressive Symptoms, and Its Association with Abundance of Actinobacteria in Gut Microbiota.

Microorganisms , Volume: 9 Issue: 5 2021 May 10

Authors Otaka M,Kikuchi-Hayakawa H,Ogura J,Ishikawa H,Yomogida Y,Ota M,Hidese S,Ishida I,Aida M,Matsuda K,Kawai M,Yoshida S,Kunugi H

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

Modulation of the fecal microbiome and metabolome by resistant dextrin ameliorates hepatic steatosis and mitochondrial abnormalities in mice.

Food & function , 2021 Apr 22

Authors Zhang Z,Chen X,Cui B

The Anti-Inflammatory Effect and Mucosal Barrier Protection of *Clostridium butyricum* RH2 in Ceftriaxone-Induced Intestinal Dysbacteriosis.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Li Y,Liu M,Liu H,Sui X,Liu Y,Wei X,Liu C,Cheng Y,Ye W,Gao B,Wang X,Lu Q,Cheng H,Zhang L,Yuan J,Li M

Beverages containing Lactobacillus paracasei LC-37 improved functional dyspepsia through regulation of the intestinal microbiota and their metabolites.

Journal of dairy science , 2021 Mar 10

Authors Sun E,Zhang X,Zhao Y,Li J,Sun J,Mu Z,Wang R

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

Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With *Bacillus subtilis*-Fermented Milk *via* Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.

Frontiers in microbiology , Volume: 11 2020

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

Berberine alters gut microbial function through modulation of bile acids.

BMC microbiology , Volume: 21 Issue: 1 2021 Jan 11

Authors Wolf PG,Devendran S,Doden HL,Ly LK,Moore T,Takei H,Nittono H,Murai T,Kurosawa T,Chlipala GE,Green SJ,Kakiyama G,Kashyap P,McCracken VJ,Gaskins HR,Gillevet PM,Ridlon JM

Lactulose ingestion causes an increase in the abundance of gut-resident bifidobacteria in Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

Beneficial microbes , 2021 Jan 4

Authors Sakai Y,Hamano H,Ochi H,Abe F,Masuda K,Iino H

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

Microbial Metabolism of Theaflavin-3,3`-digallate and Its Gut Microbiota Composition Modulatory Effects.

Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13

Authors Liu Z,de Bruijn WJC,Bruins ME,Vincken JP

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

Enterococcus faecium R0026 combined with *Bacillus subtilis* R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.

Journal of microbiology and biotechnology , 2020 Oct 20

Authors Huang J,Huang J,Yin T,Lv H,Zhang P,Li H

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

Dietary supplementation with Bacillus subtilis DSM 32315 alters the intestinal microbiota and metabolites in weaned piglets.

Journal of applied microbiology , 2020 Jul 6

Authors Ding H,Zhao X,Ma C,Gao Q,Yin Y,Kong X,He J

Soy food intake associates with changes in the metabolome and reduced blood pressure in a gut microbiota dependent manner.

Nutrition, metabolism, and cardiovascular diseases : NMCD , 2020 May 18

Authors Shah RD,Tang ZZ,Chen G,Huang S,Ferguson JF

The in vitro Effect of Fibers With Different Degrees of Polymerization on Human Gut Bacteria.

Frontiers in microbiology , Volume: 11 2020

Authors Chen M,Fan B,Liu S,Imam KMSU,Xie Y,Wen B,Xin F

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

Lactobacillus paracasei subsp. paracasei NTU 101 lyophilized powder improves loperamide-induced constipation in rats.

Heliyon , Volume: 6 Issue: 4 2020 Apr

Authors Chen CL,Chao SH,Pan TM

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

Prebiotic activity of garlic (Allium sativum) extract on Lactobacillus acidophilus.

Veterinary world , Volume: 12 Issue: 12 2019 Dec

Authors Sunu P,Sunarti D,Mahfudz LD,Yunianto VD

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.

Gut microbes , 2020 Jan 13

Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI,Sanchez SE,Smurthwaite C,Rohwer F

Food for thought about manipulating gut bacteria.

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

Improvements in Metabolic Syndrome by Xanthohumol Derivatives Are Linked to Altered Gut Microbiota and Bile Acid Metabolism.

Molecular nutrition & food research , Volume: 64 Issue: 1 2020 Jan

Authors Zhang Y,Bobe G,Revel JS,Rodrigues RR,Sharpton TJ,Fantacone ML,Raslan K,Miranda CL,Lowry MB,Blakemore PR,Morgun A,Shulzhenko N,Maier CS,Stevens JF,Gombart AF

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

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

European journal of nutrition , 2019 Oct 11

Authors Hess AL,Benítez-Páez A,Blædel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

Regulatory Function of Buckwheat-Resistant Starch Supplementation on Lipid Profile and Gut Microbiota in Mice Fed with a High-Fat Diet.

Journal of food science , Volume: 84 Issue: 9 2019 Sep

Authors Zhou Y,Zhao S,Jiang Y,Wei Y,Zhou X

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

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

Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum.

PeerJ , Volume: 7 2019

Authors Yu L,Qiao N,Li T,Yu R,Zhai Q,Tian F,Zhao J,Zhang H,Chen W

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

Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in Citrobacter rodentium-Infected Mice.

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

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
Fermented Momordica charantia L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.
Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul
Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY
Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.
The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1
Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschasaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium
Intestinal Morphologic and Microbiota Responses to Dietary Bacillus spp. in a Broiler Chicken Model.
Frontiers in physiology , Volume: 9 2018
Authors Li CL,Wang J,Zhang HJ,Wu SG,Hui QR,Yang CB,Fang RJ,Qi GH
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
A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults.
Nature communications , Volume: 9 Issue: 1 2018 Nov 13
Authors Hansen LBS,Roager HM,Søndertoft NB,Gøbel RJ,Kristensen M,Vallès-Colomer M,Vieira-Silva S,Ibrügger S,Lind MV,Mærkedahl RB,Bahl MI,Madsen ML,Havelund J,Falony G,Tetens I,Nielsen T,Allin KH,Frandsen HL,Hartmann B,Holst JJ,Sparholt MH,Holck J,Blennow A,Moll JM,Meyer AS,Hoppe C,Poulsen JH,Carvalho V,Sagnelli D,Dalgaard MD,Christensen AF,Lydolph MC,Ross AB,Villas-Bôas S,Brix S,Sicheritz-Pontén T,Buschard K,Linneberg A,Rumessen JJ,Ekstrøm CT,Ritz C,Kristiansen K,Nielsen HB,Vestergaard H,Færgeman NJ,Raes J,Frøkiær H,Hansen T,Lauritzen L,Gupta R,Licht TR,Pedersen O
Identification of factors involved in Enterococcus faecalis biofilm under quercetin stress.
Microbial pathogenesis , Volume: 126 2019 Jan
Authors Qayyum S,Sharma D,Bisht D,Khan AU
Stability of vitamin B12 with the protection of whey proteins and their effects on the gut microbiome.
Food chemistry , Volume: 276 2019 Mar 15
Authors Wang H,Shou Y,Zhu X,Xu Y,Shi L,Xiang S,Feng X,Han J
Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia.
International journal of microbiology , Volume: 2018 2018
Authors Merga Duffa Y,Terfa Kitila K,Mamuye Gebretsadik D,Bitew A
Simultaneous Supplementation of Bacillus subtilis and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.
Frontiers in microbiology , Volume: 9 2018
Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X
Antidepressant Effects of Rosemary Extracts Associate With Anti-inflammatory Effect and Rebalance of Gut Microbiota.
Frontiers in pharmacology , Volume: 9 2018
Authors Guo Y,Xie J,Li X,Yuan Y,Zhang L,Hu W,Luo H,Yu H,Zhang R
Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.
Scientific reports , Volume: 8 Issue: 1 2018 Oct 18
Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G
Effect of a butyrate-fortified milk replacer on gastrointestinal microbiota and products of fermentation in artificially reared dairy calves at weaning.
Scientific reports , Volume: 8 Issue: 1 2018 Oct 8
Authors O`Hara E,Kelly A,McCabe MS,Kenny DA,Guan LL,Waters SM
Effects of dietary supplementation with Clostridium butyricum on laying performance, egg quality, serum parameters, and cecal microflora of laying hens in the late phase of production.
Poultry science , Volume: 98 Issue: 2 2019 Feb 1
Authors Zhan HQ,Dong XY,Li LL,Zheng YX,Gong YJ,Zou XT
[Microbiological profiles of pathogens causing nosocomial bacteremia in 2011, 2013 and 2016].
Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 34 Issue: 8 2018 Aug 25
Authors Wang X,Zhao C,Li H,Chen H,Jin L,Wang Z,Liao K,Zeng J,Xu X,Jin Y,Su D,Liu W,Hu Z,Cao B,Chu Y,Zhang R,Luo Y,Hu B,Wang H
Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.
Environmental microbiology , Volume: 20 Issue: 9 2018 Sep
Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

The Journal of nutritional biochemistry , Volume: 59 2018 Sep

Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK

Beneficial effects of the commercial lactic acid bacteria product, Vigiis 101, on gastric mucosa and intestinal bacterial flora in rats.

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2018 Jun 23

Authors Kao L,Liu TH,Tsai TY,Pan TM

Acute Exposure to Commonly Ingested Emulsifiers Alters Intestinal Mucus Structure and Transport Properties.

Scientific reports , Volume: 8 Issue: 1 2018 Jul 3

Authors Lock JY,Carlson TL,Wang CM,Chen A,Carrier RL

Protective Effect of Aplysin Supplementation on Intestinal Permeability and Microbiota in Rats Treated with Ethanol and Iron.

Nutrients , Volume: 10 Issue: 6 2018 May 27

Authors Ma Y,Li R,Liu Y,Liu M,Liang H

Role of probiotics in the treatment of minimal hepatic encephalopathy in patients with HBV-induced liver cirrhosis.

The Journal of international medical research , Volume: 46 Issue: 9 2018 Sep

Authors Xia X,Chen J,Xia J,Wang B,Liu H,Yang L,Wang Y,Ling Z

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.

Food & function , Volume: 9 Issue: 5 2018 May 23

Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X

Prebiotic Mannan-Oligosaccharides Augment the Hypoglycemic Effects of Metformin in Correlation with Modulating Gut Microbiota.

Journal of agricultural and food chemistry , Volume: 66 Issue: 23 2018 Jun 13

Authors Zheng J,Li H,Zhang X,Jiang M,Luo C,Lu Z,Xu Z,Shi J

Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice.

MicrobiologyOpen , Volume: 7 Issue: 6 2018 Dec

Authors Zhai S,Zhu L,Qin S,Li L

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

High salt diet exacerbates colitis in mice by decreasing Lactobacillus levels and butyrate production.

Microbiome , Volume: 6 Issue: 1 2018 Mar 22

Authors Miranda PM,De Palma G,Serkis V,Lu J,Louis-Auguste MP,McCarville JL,Verdu EF,Collins SM,Bercik P

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

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

PeerJ , Volume: 6 2018

Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X

The effect of Clostridium butyricum on symptoms and fecal microbiota in diarrhea-dominant irritable bowel syndrome: a randomized, double-blind, placebo-controlled trial.

Scientific reports , Volume: 8 Issue: 1 2018 Feb 14

Authors Sun YY,Li M,Li YY,Li LX,Zhai WZ,Wang P,Yang XX,Gu X,Song LJ,Li Z,Zuo XL,Li YQ

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

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

[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats].

Voprosy pitaniia , Volume: 84 Issue: 6 2015

Authors Markova YM,Sheveleva SA

Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.

Journal of food protection , Volume: 81 Issue: 1 2018 Jan

Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W

Protective effects of natural and partially degraded konjac glucomannan on Bifidobacteria against antibiotic damage.

Carbohydrate polymers , Volume: 181 2018 Feb 1

Authors Mao YH,Song AX,Yao ZP,Wu JY

Effects of Lactobacillus acidophilus on gut microbiota composition in broilers challenged with Clostridium perfringens.

PloS one , Volume: 12 Issue: 11 2017

Authors Li Z,Wang W,Liu D,Guo Y

Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide.

Genes , Volume: 8 Issue: 12 2017 Nov 28

Authors Hwang N,Eom T,Gupta SK,Jeong SY,Jeong DY,Kim YS,Lee JH,Sadowsky MJ,Unno T

Gut Microbiome-Induced Shift of Acetate to Butyrate Positively Manages Dysbiosis in High Fat Diet.

Molecular nutrition & food research , Volume: 62 Issue: 3 2018 Feb

Authors Si X,Shang W,Zhou Z,Strappe P,Wang B,Bird A,Blanchard C

Clostridium butyricum CGMCC0313.1 Protects against Autoimmune Diabetes by Modulating Intestinal Immune Homeostasis and Inducing Pancreatic Regulatory T Cells.

Frontiers in immunology , Volume: 8 2017

Authors Jia L,Shan K,Pan LL,Feng N,Lv Z,Sun Y,Li J,Wu C,Zhang H,Chen W,Diana J,Sun J,Chen YQ

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

High-Salt Diet Has a Certain Impact on Protein Digestion and Gut Microbiota: A Sequencing and Proteome Combined Study.

Frontiers in microbiology , Volume: 8 2017

Authors Wang C,Huang Z,Yu K,Ding R,Ye K,Dai C,Xu X,Zhou G,Li C

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

Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminal Microbiota in Dairy Cows Fed High-Grain Diets.

Frontiers in microbiology , Volume: 8 2017

Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B

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

Decaffeinated green and black tea polyphenols decrease weight gain and alter microbiome populations and function in diet-induced obese mice.

European journal of nutrition , 2017 Sep 30

Authors Henning SM,Yang J,Hsu M,Lee RP,Grojean EM,Ly A,Tseng CH,Heber D,Li Z

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

Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs.

The Journal of nutrition , Volume: 147 Issue: 11 2017 Nov

Authors Fouhse JM,Gänzle MG,Beattie AD,Vasanthan T,Zijlstra RT

Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population.

Scientific reports , Volume: 7 Issue: 1 2017 Sep 18

Authors Liu F,Li P,Chen M,Luo Y,Prabhakar M,Zheng H,He Y,Qi Q,Long H,Zhang Y,Sheng H,Zhou H

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
Worse inflammatory profile in omnivores than in vegetarians associates with the gut microbiota composition.
Diabetology & metabolic syndrome , Volume: 9 2017
Authors Franco-de-Moraes AC,de Almeida-Pititto B,da Rocha Fernandes G,Gomes EP,da Costa Pereira A,Ferreira SRG
Effects of One-Week Empirical Antibiotic Therapy on the Early Development of Gut Microbiota and Metabolites in Preterm Infants
Scientific Reports , Volume: 7 2017 Aug 14
Authors Zhu D,Xiao S,Yu J,Ai Q,He Y,Cheng C,Zhang Y,Pan Y
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
Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.
Food & function , Volume: 8 Issue: 9 2017 Sep 20
Authors Wang G,Li X,Zhao J,Zhang H,Chen W
Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.
Nutrients , Volume: 9 Issue: 7 2017 Jul 18
Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejda-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF
Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.
Scientific reports , Volume: 7 Issue: 1 2017 Jul 17
Authors Suriano F,Bindels LB,Verspreet J,Courtin CM,Verbeke K,Cani PD,Neyrinck AM,Delzenne NM
Effects of Consuming Xylitol on Gut Microbiota and Lipid Metabolism in Mice.
Nutrients , Volume: 9 Issue: 7 2017 Jul 14
Authors Uebanso T,Kano S,Yoshimoto A,Naito C,Shimohata T,Mawatari K,Takahashi A
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
Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.
Journal of food science , Volume: 82 Issue: 8 2017 Aug
Authors Lu QY,Summanen PH,Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z
The effects of the Lactobacillus casei strain on obesity in children: a pilot study.
Beneficial microbes , Volume: 8 Issue: 4 2017 Aug 24
Authors Nagata S,Chiba Y,Wang C,Yamashiro Y
The Role of Carrageenan and Carboxymethylcellulose in the Development of Intestinal Inflammation.
Frontiers in pediatrics , Volume: 5 2017
Authors Martino JV,Van Limbergen J,Cahill LE
Effect of dietary supplementation with Lactobacillus acidophilus D2/CSL (CECT 4529) on caecum microbioma and productive performance in broiler chickens.
PloS one , Volume: 12 Issue: 5 2017
Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A
Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.
Molecular medicine reports , Volume: 15 Issue: 5 2017 May
Authors Xu JH,Liu XZ,Pan W,Zou DJ
Multivariate modelling of faecal bacterial profiles of patients with IBS predicts responsiveness to a diet low in FODMAPs.
Gut , Volume: 67 Issue: 5 2018 May
Authors Bennet SMP,Böhn L,Störsrud S,Liljebo T,Collin L,Lindfors P,Törnblom H,Öhman L,Simrén M
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
Energy-dense diet triggers changes in gut microbiota, reorganization of gut-brain vagal communication and increases body fat accumulation
Acta neurobiologiae experimentalis , Volume: 77 Issue: 1 2017
Authors Vaughn AC,Cooper EM,DiLorenzo PM,O'Loughlin LJ,Konkel ME,Peters JH,Hajnal A,Sen T,Lee SH,de La Serre CB,Czaja K
Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.
Frontiers in microbiology , Volume: 8 2017
Authors Li J,Hou Q,Zhang J,Xu H,Sun Z,Menghe B,Zhang H
Low-dose penicillin in early life induces long-term changes in murine gut microbiota, brain cytokines and behavior

Nature Communications , Volume: 8 2017 Apr 4
Authors Leclercq S,Mian FM,Stanisz AM,Bindels LB,Cambier E,Ben-Amram H,Koren O,Forsythe P,Bienenstock J
Antibiotic use in childhood alters the gut microbiota and predisposes to overweight
Microbial Cell , Volume: 3 Issue: 7 2016 Jun 20
Authors Korpela K,de Vos WM
Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against Enterococcus faecalis.
The journal of contemporary dental practice , Volume: 18 Issue: 4 2017 Apr 1
Authors Bohora AA,Kokate SR
Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.
Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb
Authors Abu Hafsa SH,Ibrahim SA
Influence of ad Libitum Feeding of Piglets With Bacillus Subtilis Fermented Liquid Feed on Gut Flora, Luminal Contents and Health.
Scientific reports , Volume: 7 2017 Mar 14
Authors He Y,Mao C,Wen H,Chen Z,Lai T,Li L,Lu W,Wu H
Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.
Gut , Volume: 66 Issue: 11 2017 Nov
Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J
Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier
World Journal of Gastroenterology , Volume: 23 Issue: 1 2017 Jan 7
Authors Zhou D,Pan Q,Xin FZ,Zhang RN,He CX,Chen GY,Liu C,Chen YW,Fan JG
Biological activities of Rosmarinus officinalis L. (rosemary) extract as analyzed in microorganisms and cells.
Experimental biology and medicine (Maywood, N.J.) , Volume: 242 Issue: 6 2017 Mar
Authors de Oliveira JR,de Jesus D,Figueira LW,de Oliveira FE,Pacheco Soares C,Camargo SE,Jorge AO,de Oliveira LD
Etiologies of community-onset urinary tract infections requiring hospitalization and antimicrobial susceptibilities of causative microorganisms.
Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , Volume: 50 Issue: 6 2017 Dec
Authors Chiu CC,Lin TC,Wu RX,Yang YS,Hsiao PJ,Lee Y,Lin JC,Chang FY
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
Breaking the resistance of Escherichia coli: Antimicrobial activity of Berberis lycium Royle.
Microbial pathogenesis , Volume: 102 2017 Jan
Authors Malik TA,Kamili AN,Chishti MZ,Ahad S,Tantry MA,Hussain PR,Johri RK
Oligofructose as an adjunct in treatment of diabetes in NOD mice.
Scientific reports , Volume: 6 2016 Nov 22
Authors Chan C,Hyslop CM,Shrivastava V,Ochoa A,Reimer RA,Huang C
Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.
International journal of food microbiology , Volume: 241 2017 Jan 16
Authors Moens F,Verce M,De Vuyst L
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
Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.
Poultry science , Volume: 96 Issue: 5 2017 May 1
Authors Guo JR,Dong XF,Liu S,Tong JM
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

Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.
Scientific reports , Volume: 6 2016 Oct 3
Authors Smith-Brown P,Morrison M,Krause L,Davies PS
Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.
Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun
Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD
Consumption of a high-fat diet alters the seminal fluid and gut microbiomes in male mice.
Reproduction, fertility, and development , Volume: 29 Issue: 8 2017 Aug
Authors Javurek AB,Spollen WG,Johnson SA,Bivens NJ,Bromert KH,Givan SA,Rosenfeld CS
The effect of volatile oil mixtures on the performance and ilio-caecal microflora of broiler chickens.
British poultry science , Volume: 57 Issue: 6 2016 Dec
Authors Cetin E,Yibar A,Yesilbag D,Cetin I,Cengiz SS
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
Addition of arabinoxylan and mixed linkage glucans in porcine diets affects the large intestinal bacterial populations.
European journal of nutrition , Volume: 56 Issue: 6 2017 Sep
Authors Gorham JB,Kang S,Williams BA,Grant LJ,McSweeney CS,Gidley MJ,Mikkelsen D
Microbial Community of Healthy Thai Vegetarians and Non-Vegetarians, Their Core Gut Microbiota, and Pathogen Risk.
Journal of microbiology and biotechnology , Volume: 26 Issue: 10 2016 Oct 28
Authors Ruengsomwong S,La-Ongkham O,Jiang J,Wannissorn B,Nakayama J,Nitisinprasert S
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
Significant pharmacokinetic differences of berberine are attributable to variations in gut microbiota between Africans and Chinese.
Scientific reports , Volume: 6 2016 Jun 10
Authors AlOlga RN,Fan Y,Chen Z,Liu LW,Zhao YJ,Li J,Chen Y,Lai MD,Li P,Qi LW
The effect of berberine hydrochloride on Enterococcus faecalis biofilm formation and dispersion in vitro.
Microbiological research , Volume: 186-187 2016 May-Jun
Authors Chen L,Bu Q,Xu H,Liu Y,She P,Tan R,Wu Y
Prevalence and Antimicrobial Resistance Patterns of Diarrheagenic Escherichia coli in Shanghai, China.
The Pediatric infectious disease journal , Volume: 35 Issue: 8 2016 Aug
Authors Huang Z,Pan H,Zhang P,Cao X,Ju W,Wang C,Zhang J,Meng J,Yuan Z,Xu X
Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.
Poultry science , Volume: 95 Issue: 11 2016 Nov 1
Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscati L,Onofri A,Lorenzetti C,Franciosini MP
Effect of probiotic yoghurt on animal-based diet-induced change in gut microbiota: an open, randomised, parallel-group study.
Beneficial microbes , Volume: 7 Issue: 4 2016 Sep
Authors Odamaki T,Kato K,Sugahara H,Xiao JZ,Abe F,Benno Y
Dietary supplementation of Rosmarinus officinalis L. leaves in sheep affects the abundance of rumen methanogens and other microbial populations.
Journal of animal science and biotechnology , Volume: 7 2016
Authors Cobellis G,Yu Z,Forte C,Acuti G,Trabalza-Marinucci M
Dietary High Fluorine Alters Intestinal Microbiota in Broiler Chickens.
Biological trace element research , Volume: 173 Issue: 2 2016 Oct
Authors Luo Q,Cui H,Peng X,Fang J,Zuo Z,Deng J,Liu J,Deng Y
Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.
Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun
Authors Radaelli M,da Silva BP,Weidlich L,Hoehne L,Flach A,da Costa LA,Ethur EM
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

Modulation of Gut Microbiota by Berberine Improves Steatohepatitis in High-Fat Diet-Fed BALB/C Mice.
Archives of Iranian medicine , Volume: 19 Issue: 3 2016 Mar
Authors Cao Y,Pan Q,Cai W,Shen F,Chen GY,Xu LM,Fan JG
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
High Molecular Weight Barley β-Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.
Frontiers in microbiology , Volume: 7 2016
Authors Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E
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
Intestinal microbiome is related to lifetime antibiotic use in Finnish pre-school children.
Nature communications , Volume: 7 2016 Jan 26
Authors Korpela K,Salonen A,Virta LJ,Kekkonen RA,Forslund K,Bork P,de Vos WM
Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.
Journal of dairy science , Volume: 99 Issue: 3 2016 Mar
Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X
Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.
Probiotics and antimicrobial proteins , Volume: 5 Issue: 2 2013 Jun
Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K
The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.
PloS one , Volume: 10 Issue: 12 2015
Authors Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darien BJ,Steele JL
Characterization of mannanase from Bacillus circulans NT 6.7 and its application in mannooligosaccharides preparation as prebiotic.
SpringerPlus , Volume: 4 2015
Authors Pangsri P,Piwpankaew Y,Ingkakul A,Nitisinprasert S,Keawsompong S
From an imbalance to a new imbalance: Italian-style gluten-free diet alters the salivary microbiota and metabolome of African celiac children.
Scientific reports , Volume: 5 2015 Dec 18
Authors Ercolini D,Francavilla R,Vannini L,De Filippis F,Capriati T,Di Cagno R,Iacono G,De Angelis M,Gobbetti M
Membrane filter method to study the effects of Lactobacillus acidophilus and Bifidobacterium longum on fecal microbiota.
Microbiology and immunology , Volume: 59 Issue: 11 2015 Nov
Authors Shimizu H,Benno Y
Effect of Bacillus subtilis CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.
Journal of applied microbiology , Volume: 120 Issue: 1 2016 Jan
Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J
Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats.
Scientific reports , Volume: 5 2015 Sep 23
Authors Zhang X,Zhao Y,Xu J,Xue Z,Zhang M,Pang X,Zhang X,Zhao L
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
In vitro and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1.
Journal of dairy science , Volume: 98 Issue: 10 2015 Oct
Authors Deng K,Chen T,Wu Q,Xin H,Wei Q,Hu P,Wang X,Wang X,Wei H,Shah NP
In vitro fermentation of lupin seeds (Lupinus albus) and broad beans (Vicia faba): dynamic modulation of the intestinal microbiota and metabolomic output.
Food & function , Volume: 6 Issue: 10 2015 Oct
Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM
Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.
Biology of sex differences , Volume: 6 2015
Authors Shastri P,McCarville J,Kalmokoff M,Brooks SP,Green-Johnson JM
In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.
Journal of dairy science , Volume: 98 Issue: 9 2015 Sep
Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H
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
Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.
The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr
Authors Shadnoush M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M
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
Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.
Nutrients , Volume: 7 Issue: 2 2015 Feb 16
Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP
Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.
Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun
Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY
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
Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.
Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun
Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM
Phenotypic and Molecular Characterization of Extended-Spectrum ß-Lactamase Produced by Escherichia coli, and Klebsiella pneumoniae Isolates in an Educational Hospital.
Jundishapur journal of microbiology , Volume: 7 Issue: 10 2014 Oct
Authors Gholipour A,Soleimani N,Shokri D,Mobasherizadeh S,Kardi M,Baradaran A
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
Metagenomic insights into the effects of fructo-oligosaccharides (FOS) on the composition of fecal microbiota in mice.
Journal of agricultural and food chemistry , Volume: 63 Issue: 3 2015 Jan 28
Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W
Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.
PloS one , Volume: 9 Issue: 11 2014
Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA
Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults.
The Journal of nutrition , Volume: 144 Issue: 11 2014 Nov
Authors Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S

Acarbose treatment affects the serum levels of inflammatory cytokines and the gut content of bifidobacteria in Chinese patients with type 2 diabetes mellitus.

Journal of diabetes , Volume: 7 Issue: 5 2015 Sep

Authors Su B,Liu H,Li J,Sunli Y,Liu B,Liu D,Zhang P,Meng X

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

Effect of Bacillus subtilis C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.

Poultry science , Volume: 93 Issue: 12 2014 Dec

Authors Jeong JS,Kim IH

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

Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial.

FEMS microbiology ecology , Volume: 90 Issue: 1 2014 Oct

Authors van Zanten GC,Krych L,Röytiö H,Forssten S,Lahtinen SJ,Abu Al-Soud W,Sørensen S,Svensson B,Jespersen L,Jakobsen M

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP

Fermentable non-starch polysaccharides increases the abundance of Bacteroides-Prevotella-Porphyromonas in ileal microbial community of growing pigs.

Animal : an international journal of animal bioscience , Volume: 8 Issue: 11 2014 Nov

Authors Ivarsson E,Roos S,Liu HY,Lindberg JE

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

A rosemary extract rich in carnosic acid selectively modulates caecum microbiota and inhibits ß-glucosidase activity, altering fiber and short chain fatty acids fecal excretion in lean and obese female rats.

PloS one , Volume: 9 Issue: 4 2014

Authors Romo-Vaquero M,Selma MV,Larrosa M,Obiol M,García-Villalba R,González-Barrio R,Issaly N,Flanagan J,Roller M,Tomás-Barberán FA,García-Conesa MT

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

454 pyrosequencing reveals changes in the faecal microbiota of adults consuming Lactobacillus casei Zhang.

FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun

Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebilige,Zhang H

Bile acids and the gut microbiome.

Current opinion in gastroenterology , Volume: 30 Issue: 3 2014 May

Authors Ridlon JM,Kang DJ,Hylemon PB,Bajaj JS

Effects of Clostridium butyricum on growth performance, immune function, and cecal microflora in broiler chickens challenged with Escherichia coli K88.

Poultry science , Volume: 93 Issue: 1 2014 Jan

Authors Zhang L,Cao GT,Zeng XF,Zhou L,Ferket PR,Xiao YP,Chen AG,Yang CM

RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.

Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr
Authors Tannock GW,Lawley B,Munro K,Sims IM,Lee J,Butts CA,Roy N
Multi-drug resistant gram-negative enteric bacteria isolated from flies at Chengdu Airport, China.
The Southeast Asian journal of tropical medicine and public health , Volume: 44 Issue: 6 2013 Nov
Authors Liu Y,Yang Y,Zhao F,Fan X,Zhong W,Qiao D,Cao Y
Effect of growth supplements and whey pretreatment on butyric acid production by Clostridium butyricum.
World journal of microbiology & biotechnology , Volume: 11 Issue: 3 1995 May
Authors Vandák D,Tomáška M,Zigová J,Sturdík E
Selective proliferation of intestinal Barnesiella under fucosyllactose supplementation in mice.
The British journal of nutrition , Volume: 111 Issue: 9 2014 May
Authors Weiss GA,Chassard C,Hennet T
Lactobacillus paracasei subsp. paracasei LC01 positively modulates intestinal microflora in healthy young adults.
Journal of microbiology (Seoul, Korea) , Volume: 51 Issue: 6 2013 Dec
Authors Zhang H,Sun J,Liu X,Hong C,Zhu Y,Liu A,Li S,Guo H,Ren F
Association of dietary type with fecal microbiota in vegetarians and omnivores in Slovenia.
European journal of nutrition , Volume: 53 Issue: 4 2014 Jun
Authors Matijašic BB,Obermajer T,Lipoglavšek L,Grabnar I,Avguštin G,Rogelj I
Strict vegetarian diet improves the risk factors associated with metabolic diseases by modulating gut microbiota and reducing intestinal inflammation.
Environmental microbiology reports , Volume: 5 Issue: 5 2013 Oct
Authors Kim MS,Hwang SS,Park EJ,Bae JW
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
Effect of prebiotic carbohydrates on growth, bile survival and cholesterol uptake abilities of dairy-related bacteria.
Journal of the science of food and agriculture , Volume: 94 Issue: 6 2014 Apr
Authors Ziar H,Gérard P,Riazi A
Probiotic features of two oral Lactobacillus isolates.
Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1 2012 Jan
Authors Zavisic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I
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
Antimicrobial Resistance Pattern in Enterococcus faecalis Strains Isolated From Expressed Prostatic Secretions of Patients With Chronic Bacterial Prostatitis.
Korean journal of urology , Volume: 54 Issue: 7 2013 Jul
Authors Seo Y,Lee G
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
Antibacterial activity of konjac glucomannan/chitosan blend films and their irradiation-modified counterparts.
Carbohydrate polymers , Volume: 92 Issue: 2 2013 Feb 15
Authors Du X,Yang L,Ye X,Li B
Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.
FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun
Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS
The inhibitory effect of polyphenols on human gut microbiota.
Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct
Authors Duda-Chodak A
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
Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.

Journal of dairy science , Volume: 95 Issue: 9 2012 Sep
Authors Wang S,Zhu H,Lu C,Kang Z,Luo Y,Feng L,Lu X
Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.

PloS one , Volume: 7 Issue: 8 2012
Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L
Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers.

The American journal of clinical nutrition , Volume: 95 Issue: 6 2012 Jun
Authors Queipo-Ortuño MI,Boto-Ordóñez M,Murri M,Gomez-Zumaquero JM,Clemente-Postigo M,Estruch R,Cardona Diaz F,Andrés-Lacueva C,Tinahones FJ
Changes in gut microbiota in children with atopic dermatitis administered the bacteria Lactobacillus casei DN–114001.

Polish journal of microbiology , Volume: 60 Issue: 4 2011
Authors Klewicka E,Cukrowska B,Libudzisz Z,Slizewska K,Motyl I
Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14
Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA
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
Faecal microbiota composition in vegetarians: comparison with omnivores in a cohort of young women in southern India.

The British journal of nutrition , Volume: 108 Issue: 6 2012 Sep 28
Authors Kabeerdoss J,Devi RS,Mary RR,Ramakrishna BS
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
In-vitro antimicrobial activity and synergistic/antagonistic effect of interactions between antibiotics and some spice essential oils.

Journal of environmental biology , Volume: 32 Issue: 1 2011 Jan
Authors Toroglu S
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
A vegan or vegetarian diet substantially alters the human colonic faecal microbiota.

European journal of clinical nutrition , Volume: 66 Issue: 1 2012 Jan
Authors Zimmer J,Lange B,Frick JS,Sauer H,Zimmermann K,Schwiertz A,Rusch K,Klosterhalfen S,Enck P
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
Effect of liquid whey feeding on fecal microbiota of mature and growing pigs.

Animal science journal = Nihon chikusan Gakkaiho , Volume: 82 Issue: 4 2011 Aug
Authors Kobayashi Y,Itoh A,Miyawaki K,Koike S,Iwabuchi O,Iimura Y,Kobashi Y,Kawashima T,Wakamatsu J,Hattori A,Murakami H,Morimatsu F,Nakaebisu T,Hishinuma T
Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.

Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15
Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C
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
Effect of different antibiotics and non-steroidal anti-inflammatory drugs on the growth of Lactobacillus casei Shirota.
Current microbiology , Volume: 62 Issue: 3 2011 Mar
Authors Jiménez-Serna A,Hernández-Sánchez H
Oral administration of Clostridium butyricum for modulating gastrointestinal microflora in mice.
Current microbiology , Volume: 62 Issue: 2 2011 Feb
Authors Kong Q,He GQ,Jia JL,Zhu QL,Ruan H
Dominant and diet-responsive groups of bacteria within the human colonic microbiota.
The ISME journal , Volume: 5 Issue: 2 2011 Feb
Authors Walker AW,Ince J,Duncan SH,Webster LM,Holtrop G,Ze X,Brown D,Stares MD,Scott P,Bergerat A,Louis P,McIntosh F,Johnstone AM,Lobley GE,Parkhill J,Flint HJ
Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.
Journal of animal science , Volume: 88 Issue: 9 2010 Sep
Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr
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
Feed supplementation of Lactobacillus plantarum PCA 236 modulates gut microbiota and milk fatty acid composition in dairy goats–a preliminary study.
International journal of food microbiology , Volume: 141 Suppl 1 2010 Jul 31
Authors Maragkoudakis PA,Mountzouris KC,Rosu C,Zoumpopoulou G,Papadimitriou K,Dalaka E,Hadjipetrou A,Theofanous G,Strozzi GP,Carlini N,Zervas G,Tsakalidou E
Effects of a gluten-free diet on gut microbiota and immune function in healthy adult human subjects.
The British journal of nutrition , Volume: 102 Issue: 8 2009 Oct
Authors De Palma G,Nadal I,Collado MC,Sanz Y
In vitro effects of selected synbiotics on the human faecal microbiota composition.
FEMS microbiology ecology , Volume: 66 Issue: 3 2008 Dec
Authors Saulnier DM,Gibson GR,Kolida S
Gum arabic establishes prebiotic functionality in healthy human volunteers in a dose-dependent manner.
The British journal of nutrition , Volume: 100 Issue: 6 2008 Dec
Authors Calame W,Weseler AR,Viebke C,Flynn C,Siemensma AD
[Surveillance of antimicrobial resistance among nosocomial gram-negative pathogens from 15 teaching hospitals in China in 2005].
Zhonghua yi xue za zhi , Volume: 87 Issue: 39 2007 Oct 23
Authors Yang QW,Xu YC,Chen MJ,Hu YJ,Ni YX,Sun JY,Yu YS,Kong HS,He L,Wu WY,Ye HF,Yang YM,Zhu LN,Guo SH,Ji P,Zhu ZH,Ren JK,Zhang LX,Sun ZY,Zhu XH,Tong MQ,Zhao WS,Mei YN,Liu Y,Zhang ZJ,Duan Q,Li D,Liu PP,Wang J,Han LX,Wang H,Xie XL
Antimicrobial activity against gram negative bacilli from Yaounde Central Hospital, Cameroon.
African health sciences , Volume: 6 Issue: 4 2006 Dec
Authors Gangoue-Pieboji J,Koulla-Shiro S,Ngassam P,Adiogo D,Ndumbe P
Konjac acts as a natural laxative by increasing stool bulk and improving colonic ecology in healthy adults.
Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 22 Issue: 11-12 2006 Nov-Dec
Authors Chen HL,Cheng HC,Liu YJ,Liu SY,Wu WT
Effect of tea phenolics and their aromatic fecal bacterial metabolites on intestinal microbiota.
Research in microbiology , Volume: 157 Issue: 9 2006 Nov
Authors Lee HC,Jenner AM,Low CS,Lee YK
Molecular monitoring of the fecal microbiota of healthy human subjects during administration of lactulose and Saccharomyces boulardii.
Applied and environmental microbiology , Volume: 72 Issue: 9 2006 Sep
Authors Vanhoutte T,De Preter V,De Brandt E,Verbeke K,Swings J,Huys G
Antimicrobial and antiplasmid activities of essential oils.
Fitoterapia , Volume: 77 Issue: 4 2006 Jun
Authors Schelz Z,Molnar J,Hohmann J
Molecular and microbiological analysis of caecal microbiota in rats fed with diets supplemented either with prebiotics or probiotics.
International journal of food microbiology , Volume: 98 Issue: 3 2005 Feb 15
Authors Montesi A,García-Albiach R,Pozuelo MJ,Pintado C,Goñi I,Rotger R
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
Antimicrobial susceptibility of the pathogens of bacteraemia in the UK and Ireland 2001-2002: the BSAC Bacteraemia Resistance Surveillance Programme.
The Journal of antimicrobial chemotherapy , Volume: 53 Issue: 6 2004 Jun
Authors Reynolds R,Potz N,Colman M,Williams A,Livermore D,MacGowan A,BSAC Extended Working Party on Bacteraemia Resistance Surveillance.
Trends in antimicrobial susceptibilities among Enterobacteriaceae isolated from hospitalized patients in the United States from 1998 to 2001.
Antimicrobial agents and chemotherapy , Volume: 47 Issue: 5 2003 May
Authors Karlowsky JA,Jones ME,Thornsberry C,Friedland IR,Sahm DF
Antimicrobial resistance in Cairo, Egypt 1999-2000: a survey of five hospitals.
The Journal of antimicrobial chemotherapy , Volume: 51 Issue: 3 2003 Mar
Authors El Kholy A,Baseem H,Hall GS,Procop GW,Longworth DL
Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.
The British journal of nutrition , Volume: 88 Suppl 1 2002 Sep
Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D
Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.
The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug
Authors Kleessen B,Hartmann L,Blaut M
Probiotic activities of Lactobacillus casei rhamnosus: in vitro adherence to intestinal cells and antimicrobial properties.
Research in microbiology , Volume: 152 Issue: 2 2001 Mar
Authors Forestier C,De Champs C,Vatoux C,Joly B
Evaluation of the in vitro activity of 9 antimicrobials against bacterial strains isolated from patients in intensive care units in brazil: MYSTIC Antimicrobial Surveillance Program.
The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 4 Issue: 5 2000 Oct
Authors Mendes C,Hsiung A,Kiffer C,Oplustil C,Sinto S,Mimica I,Zoccoli C,Mystic Study Group.
[Sensitivity to antibiotics of bacteria from nosocomial infections. Evolution in resuscitation services of military hospitals].
Presse medicale (Paris, France : 1983) , Volume: 29 Issue: 27 2000 Sep 23
Authors Garrabé E,Cavallo JD,Brisou P,Chapalain JC,Coué JC,Courrier P,Granic G,Hervé V,Koeck JL,Morillon M,Claude JD,Rouby Y,Teyssou R
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
[Antagonistic interaction between Clostridium butyricum and enterohemorrhagic Escherichia coli O157:H7].
Kansenshogaku zasshi. The Journal of the Japanese Association for Infectious Diseases , Volume: 73 Issue: 1 1999 Jan
Authors Takahashi M,Taguchi H,Yamaguchi H,Osaki T,Sakazaki R,Kamiya S
The effect of consumption of milk fermented by Lactobacillus casei strain Shirota on the intestinal microflora and immune parameters in humans.
European journal of clinical nutrition , Volume: 52 Issue: 12 1998 Dec
Authors Spanhaak S,Havenaar R,Schaafsma G
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
Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.
Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct
Authors Sghir A,Chow JM,Mackie RI
The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.
Applied microbiology and biotechnology , Volume: 50 Issue: 2 1998 Aug
Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T
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

Antimicrobial compounds from Lactobacillus casei and Lactobacillus helveticus.
The new microbiologica , Volume: 16 Issue: 2 1993 Apr
Authors Vescovo M,Scolari GL,Caravaggi L,Bottazzi V
In vitro antimicrobial activity of fluoroquinolones against clinical isolates obtained in 1989 and 1990.
Journal of the Formosan Medical Association = Taiwan yi zhi , Volume: 92 Issue: 12 1993 Dec
Authors Chen YC,Chang SC,Hsu LY,Hsieh WC,Luh KT
Effect of Konjac mannan on spontaneous liver tumorigenesis and fecal flora in C3H/He male mice.
Cancer letters , Volume: 17 Issue: 1 1982 Oct
Authors Mizutani T,Mitsuoka T
The fermentation of lactulose by colonic bacteria.
Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb
Authors Sahota SS,Bramley PM,Menzies IS
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
Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.
The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar
Authors Slade AP,Wyatt GM,Bayliss CE,Waites WM
[Antimicrobial activity of ornidazole and 6 other antibiotics against anaerobic bacteria].
Enfermedades infecciosas y microbiologia clinica , Volume: 9 Issue: 4 1991 Apr
Authors Alados JC,Martínez-Brocal A,Miranda C,Rojo MD,García V,Domínguez MC,de la Rosa M
In vitro activities of 36 antimicrobial agents against clinically isolated Bacteroides fragilis.
Journal of the Formosan Medical Association = Taiwan yi zhi , Volume: 90 Issue: 8 1991 Aug
Authors Teng LJ,Ho SW,Chang SC,Luh KT,Hsieh WC
Fermentation of mucins and plant polysaccharides by anaerobic bacteria from the human colon.
Applied and environmental microbiology , Volume: 34 Issue: 5 1977 Nov
Authors Salyers AA,West SE,Vercellotti JR,Wilkins TD
Variability in gut microbiota response to an inulin-type fructan prebiotic within an in vitro three-stage continuous colonic model system
Bioactive Carbohydrates and Dietary Fibre , Volume: 11 Issue: July 2017 July 2017
Authors G.Healey
The effect of inulin and/or wheat bran in the diet during early life on intestinal health of broiler chicks
21st European Symposium on Poultry Nutrition (ESPN 2017) , Volume: Unpublished conference/Abstract Issue: Jan 2018
Authors Li, Bing
Curated database of commensal, symbiotic and pathogenic microbiota
Generative Bioinformatics , Volume: Issue: 2014 Jun
Authors D'Adamo Peter
[Research cited on Manufacture Website].
Research cited on Manufacture Website , Volume: 0 Issue: 0 2018 Jan
Authors Miyarisan Labs

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