Microbiome Information for: Irritable Bowel Syndrome

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'**

Analysis Provided by Microbiome Prescription

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Irritable Bowel Syndrome

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
Clostridia	*class*	High	*186801*
Bacteroidaceae	*family*	High	*815*
Desulfovibrionaceae	*family*	High	*194924*
Enterobacteriaceae	*family*	High	*543*
Erysipelotrichaceae	*family*	High	*128827*
Lachnospiraceae	*family*	Low	*186803*
Oscillospiraceae	*family*	High	*216572*
Rikenellaceae	*family*	High	*171550*
Ruminococcaceae	*family*	High	*541000*
Sutterellaceae	*family*	High	*995019*
Alistipes	*genus*	Low	*239759*
Anaerostipes	*genus*	High	*207244*
Bacillus	*genus*	Low	*1386*
Bifidobacterium	*genus*	Low	*1678*
Burkholderia	*genus*	Low	*32008*
Butyricimonas	*genus*	Low	*574697*
Clostridium	*genus*	High	*1485*
Desulfovibrio	*genus*	High	*872*
Escherichia	*genus*	High	*561*
Faecalibacterium	*genus*	Low	*216851*
Faecalitalea	*genus*	High	*1573534*
Hyphomicrobium	*genus*	Low	*81*
Klebsiella	*genus*	Low	*570*
Lachnospira	*genus*	Low	*28050*
Lactobacillus	*genus*	Low	*1578*
Oscillibacter	*genus*	High	*459786*
Oxalobacter	*genus*	Low	*846*
Parabacteroides	*genus*	Low	*375288*
Parasutterella	*genus*	Low	*577310*
Prevotella	*genus*	High	*838*
Proteus	*genus*	High	*583*
Proteus	*genus*	High	*210425*
Roseburia	*genus*	Low	*841*
Ruminococcus	*genus*	High	*1263*
Shigella	*genus*	High	*620*
Sporobacter	*genus*	Low	*44748*
Subdoligranulum	*genus*	Low	*292632*
Sutterella	*genus*	Low	*40544*
Turicibacter	*genus*	Low	*191303*
Weissella	*genus*	Low	*46255*
Eubacteriales	*order*	High	*186802*
Pseudomonadales	*order*	Low	*72274*
Bacteroides caccae	*species*	High	*47678*
Bacteroides ovatus	*species*	Low	*28116*
Bacteroides thetaiotaomicron	*species*	High	*818*
Bacteroides uniformis	*species*	Low	*820*
Dialister invisus	*species*	High	*218538*
Escherichia coli	*species*	High	*562*
Faecalibacterium prausnitzii	*species*	Low	*853*
Heyndrickxia coagulans	*species*	Low	*1398*
Metamycoplasma hominis	*species*	High	*2098*
Methanobrevibacter smithii	*species*	High	*2173*
Phocaeicola vulgatus	*species*	Low	*821*
Pseudomonas aeruginosa	*species*	High	*287*
Stenotrophomonas terrae	*species*	High	*405446*

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.

acetylsalicylic acid,aspirin
amoxapine,(prescription)
ascophyllum nodosum (sea weed)
aspartame (sweetner)
bacitracin (antibiotic)
Baking Soda, Sodium Bicarbonate
bifidobacterium adolescentis,(probiotics) 12 BCFU/day
Bofutsushosan
carboxymethyl cellulose (prebiotic)
cellulose (prebiotic)
chestnut tannins
colinfant e.coli probiotics
Ferric citrate
flucloxacillin sodium (antibiotic)
fluorine
gluten-free diet
gynostemma pentaphyllum (Jiaogulan)
haloprogin,(prescription)
high sugar diet
high-fat diets
iron 400 mg/day
levan
linseed(flaxseed) 30 mg/day
low carbohydrate diet
low fodmap diet
macrolide ((antibiotic)s)
nafcillin sodium salt monohydrate (antibiotic)
navy bean
NEOMYCIN (ANTIBIOTIC)S[CFS]
non-starch polysaccharides
phenethicillin potassium salt (antibiotic)
pinaverium bromide,(prescription)
polydextrose
Pulses
Pumpkin
red alga Laurencia tristicha
red wine 250 ml/day
rifampicin (antibiotic)s
risperidone,(prescription)
saccharin 450 mg/day
smoking
spectinomycin dihydrochloride (antibiotic)
ß-glucan 500 mg/day
symbioflor 2 e.coli probiotics
tamoxifen citrate,(prescription)
thonzonium bromide,(pharmacological additive)
Tributyrin
vegetarians
zotepine,(prescription)
zuclopenthixol dihydrochloride,(prescription)

Retail Probiotics

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

symbiopharm / symbioflo 2
Botica Alternativa / Bifidobacterium Adolescentis
Ombre / Harmony
Genesis Bifidobacterium Complex BB Probiotic

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.

amikacin (antibiotic)s
amoxicillin (antibiotic)s[CFS]
arabinogalactan (prebiotic)
bacillus subtilis (probiotics)
cinnamon (oil. spice)
ciprofloxacin (antibiotic)s[CFS]
clostridium butyricum (probiotics),Miya,Miyarisan
fructo-oligosaccharides (prebiotic)
gentamicin (antibiotic)s
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)
imipenem (antibiotic)s
inulin (prebiotic)
lactobacillus casei (probiotics)
lactobacillus paracasei (probiotics)
lactobacillus plantarum (probiotics)
lactulose
oregano (origanum vulgare, oil) |
piperacillin-tazobactam (antibiotic)s
resveratrol (grape seed/polyphenols/red wine)
rosmarinus officinalis,rosemary
soy
trimethoprim (antibiotic)s
vitamin d
wheat
wheat bran
whey

Sample of Literature Used

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

Gut microbiome signatures reflect different subtypes of irritable bowel syndrome.
Gut microbes , Volume: 15 Issue: 1 2023 Jan-Dec
Authors Su Q,Tun HM,Liu Q,Yeoh YK,Mak JWY,Chan FK,Ng SC

Distinctions Between Fecal and Intestinal Mucosal Microbiota in Subgroups of Irritable Bowel Syndrome.
Digestive diseases and sciences , Volume: 67 Issue: 12 2022 Dec
Authors Hou Y,Dong L,Lu X,Shi H,Xu B,Zhong W,Ma L,Wang S,Yang C,He X,Zhao Y,Wang S

GMrepo v2: a curated human gut microbiome database with special focus on disease markers and cross-dataset comparison.
Nucleic acids research , Volume: 50 Issue: D1 2022 Jan 7
Authors Dai D,Zhu J,Sun C,Li M,Liu J,Wu S,Ning K,He LJ,Zhao XM,Chen WH

The importance of Faecalibacterium prausnitzii in human health and diseases.
New microbes and new infections , Volume: 43 2021 Sep
Authors Parsaei M,Sarafraz N,Moaddab SY,Ebrahimzadeh Leylabadlo H

Methane and fatty acid metabolism pathways are predictive of Low-FODMAP diet efficacy for patients with irritable bowel syndrome.
Clinical nutrition (Edinburgh, Scotland) , 2021 Jan 12
Authors Eetemadi A,Tagkopoulos I

Small Intestinal Bacterial Overgrowth and Irritable Bowel Syndrome - An Update.
Frontiers in psychiatry , Volume: 11 2020
Authors Takakura W,Pimentel M

High-Fat Diet and Antibiotics Cooperatively Impair Mitochondrial Bioenergetics to Trigger Dysbiosis that Exacerbates Pre-inflammatory Bowel Disease.
Cell host & microbe , 2020 Jul 9
Authors Lee JY,Cevallos SA,Byndloss MX,Tiffany CR,Olsan EE,Butler BP,Young BM,Rogers AWL,Nguyen H,Kim K,Choi SW,Bae E,Lee JH,Min UG,Lee DC,Bäumler AJ

Feeling down? A systematic review of the gut microbiota in anxiety/depression and irritable bowel syndrome.
Journal of affective disorders , Volume: 266 2020 Apr 1
Authors Simpson CA,Mu A,Haslam N,Schwartz OS,Simmons JG

Small intestinal bacterial overgrowth is associated with Diarrhea-predominant irritable bowel syndrome by increasing mainly Prevotella abundance.
Scandinavian journal of gastroenterology , Volume: 54 Issue: 12 2019 Dec
Authors Wu KQ,Sun WJ,Li N,Chen YQ,Wei YL,Chen DF

Gut Microbial Dysbiosis in the Irritable Bowel Syndrome: A Systematic Review and Meta-Analysis of Case-Control Studies.
Journal of the Academy of Nutrition and Dietetics , 2019 Aug 28
Authors Wang L,Alammar N,Singh R,Nanavati J,Song Y,Chaudhary R,Mullin GE

Is Bacillus coagulans supplementation plus low FODMAP diet superior to low FODMAP diet in irritable bowel syndrome management?
European journal of nutrition , 2019 Jul 20
Authors Abhari K,Saadati S,Hosseini-Oskouiee F,Yari Z,Hosseini H,Sohrab G,Hejazi E,Agah S,Sadeghi A,Hekmatdoost A

Intestinal Microbiome in Irritable Bowel Syndrome before and after Gut-Directed Hypnotherapy.
International journal of molecular sciences , Volume: 19 Issue: 11 2018 Nov 16
Authors Peter J,Fournier C,Keip B,Rittershaus N,Stephanou-Rieser N,Durdevic M,Dejaco C,Michalski M,Moser G

An Open-Labeled Study on Fecal Microbiota Transfer in Irritable Bowel Syndrome Patients Reveals Improvement in Abdominal Pain Associated with the Relative Abundance of Akkermansia Muciniphila.
Digestion , 2018 Nov 13
Authors Cruz-Aguliar RM,Wantia N,Clavel T,Vehreschild MJGT,Buch T,Bajbouj M,Haller D,Busch D,Schmid RM,Stein-Thoeringer CK

Relationships of Microbiome Markers With Extraintestinal, Psychological Distress and Gastrointestinal Symptoms, and Quality of Life in Women With Irritable Bowel Syndrome.
Journal of clinical gastroenterology , 2018 Aug 24
Authors Hollister EB,Cain KC,Shulman RJ,Jarrett ME,Burr RL,Ko C,Zia J,Han CJ,Heitkemper MM

A microbial signature of psychological distress in irritable bowel syndrome.
Psychosomatic medicine , 2018 Aug 8
Authors Peter J,Fournier C,Durdevic M,Knoblich L,Keip B,Dejaco C,Trauner M,Moser G

Fecal Microbiota Alterations Associated With Diarrhea-Predominant Irritable Bowel Syndrome.
Frontiers in microbiology , Volume: 9 2018
Authors Zhuang X,Tian Z,Li L,Zeng Z,Chen M,Xiong L
No Significant Association Between the Fecal Microbiome and the Presence of Irritable Bowel Syndrome-type Symptoms in Patients with Quiescent Inflammatory Bowel Disease.
Inflammatory bowel diseases , Volume: 24 Issue: 7 2018 Jun 8
Authors Shutkever O,Gracie DJ,Young C,Wood HM,Taylor M,John Hamlin P,Ford AC,Quirke P
Stool and urine trefoil factor 3 levels: associations with symptoms, intestinal permeability, and microbial diversity in irritable bowel syndrome.
Beneficial microbes , Volume: 9 Issue: 3 2018 Apr 25
Authors Heitkemper MM,Cain KC,Shulman RJ,Burr RL,Ko C,Hollister EB,Callen N,Zia J,Han CJ,Jarrett ME
Gut Microbiota-Based Therapies for Irritable Bowel Syndrome.
Clinical and translational gastroenterology , Volume: 9 Issue: 2 2018 Feb 15
Authors Stern EK,Brenner DM
Involvement of shared mucosal-associated microbiota in the duodenum and rectum in diarrhea-predominant irritable bowel syndrome.
Journal of gastroenterology and hepatology , Volume: 33 Issue: 6 2018 Jun
Authors Li G,Yang M,Jin Y,Li Y,Qian W,Xiong H,Song J,Hou X
The human intestinal microbiota of constipated-predominant irritable bowel syndrome patients exhibits anti-inflammatory properties.
Scientific reports , Volume: 6 2016 Dec 16
Authors Gobert AP,Sagrestani G,Delmas E,Wilson KT,Verriere TG,Dapoigny M,Del`homme C,Bernalier-Donadille A
Identification of an Intestinal Microbiota Signature Associated With Severity of Irritable Bowel Syndrome.
Gastroenterology , Volume: 152 Issue: 1 2017 Jan
Authors Tap J,Derrien M,Törnblom H,Brazeilles R,Cools-Portier S,Doré J,Störsrud S,Le Nevé B,Öhman L,Simrén M
Irritable Bowel Syndrome, Particularly the Constipation-Predominant Form, Involves an Increase in Methanobrevibacter smithii, Which Is Associated with Higher Methane Production.
Gut and liver , Volume: 10 Issue: 6 2016 Nov 15
Authors Ghoshal U,Shukla R,Srivastava D,Ghoshal UC
Alterations of gut microbiota in patients with irritable bowel syndrome: A systematic review and meta-analysis.
Journal of gastroenterology and hepatology , Volume: 32 Issue: 1 2017 Jan
Authors Zhuang X,Xiong L,Li L,Li M,Chen M
Similar Fecal Microbiota Signatures in Patients With Diarrhea-Predominant Irritable Bowel Syndrome and Patients With Depression.
Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association , Volume: 14 Issue: 11 2016 Nov
Authors Liu Y,Zhang L,Wang X,Wang Z,Zhang J,Jiang R,Wang X,Wang K,Liu Z,Xia Z,Xu Z,Nie Y,Lv X,Wu X,Zhu H,Duan L
The microbiome of the oral mucosa in irritable bowel syndrome.
Gut microbes , Volume: 7 Issue: 4 2016 Jul 3
Authors Fourie NH,Wang D,Abey SK,Sherwin LB,Joseph PV,Rahim-Williams B,Ferguson EG,Henderson WA
Fecal Microbiota in Patients with Irritable Bowel Syndrome Compared with Healthy Controls Using Real-Time Polymerase Chain Reaction: An Evidence of Dysbiosis.
Digestive diseases and sciences , Volume: 60 Issue: 10 2015 Oct
Authors Shukla R,Ghoshal U,Dhole TN,Ghoshal UC
No difference in small bowel microbiota between patients with irritable bowel syndrome and healthy controls.
Scientific reports , Volume: 5 2015 Feb 17
Authors Dlugosz A,Winckler B,Lundin E,Zakikhany K,Sandström G,Ye W,Engstrand L,Lindberg G
Mucosa-associated Faecalibacterium prausnitzii and Escherichia coli co-abundance can distinguish Irritable Bowel Syndrome and Inflammatory Bowel Disease phenotypes.
International journal of medical microbiology : IJMM , Volume: 304 Issue: 3-4 2014 May
Authors Lopez-Siles M,Martinez-Medina M,Busquets D,Sabat-Mir M,Duncan SH,Flint HJ,Aldeguer X,Garcia-Gil LJ
Gut microbiota influences low fermentable substrate diet efficacy in children with irritable bowel syndrome.
Gut microbes , Volume: 5 Issue: 2 2014 Mar-Apr
Authors Chumpitazi BP,Hollister EB,Oezguen N,Tsai CM,McMeans AR,Luna RA,Savidge TC,Versalovic J,Shulman RJ
Dysbiosis in ukrainian children with irritable bowel syndrome affected by natural radiation.
Iranian journal of pediatrics , Volume: 22 Issue: 3 2012 Sep
Authors Sheikh Sajjadieh MR,Kuznetsova LV,Bojenko VB
Quantitative profiling of gut microbiota of children with diarrhea-predominant irritable bowel syndrome.

The American journal of gastroenterology , Volume: 107 Issue: 11 2012 Nov
Authors Rigsbee L,Agans R,Shankar V,Kenche H,Khamis HJ,Michail S,Paliy O
IBS-associated phylogenetic unbalances of the intestinal microbiota are not reverted by probiotic supplementation.
Gut microbes , Volume: 3 Issue: 5 2012 Sep-Oct
Authors Maccaferri S,Candela M,Turroni S,Centanni M,Severgnini M,Consolandi C,Cavina P,Brigidi P
Ulcerative colitis and irritable bowel patients exhibit distinct abnormalities of the gut microbiota
BMC Gastroenterology , Volume: 10 2010 Nov 12
Authors Noor SO,Ridgway K,Scovell L,Kemsley EK,Lund EK,Jamieson C,Johnson IT,Narbad A
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
Modeling Dynamics of Human Gut Microbiota Derived from Gluten Metabolism: Obtention, Maintenance and Characterization of Complex Microbial Communities.
International journal of molecular sciences , Volume: 25 Issue: 7 2024 Apr 4
Authors Carnicero-Mayo Y,Sáenz de Miera LE,Ferrero MÁ,Navasa N,Casqueiro J
Protective effect of cellulose and soluble dietary fiber from Saccharina japonica by-products on regulating inflammatory responses, gut microbiota, and SCFAs production in colitis mice.
International journal of biological macromolecules , 2024 Apr 3
Authors Cao J,Qin L,Zhang L,Wang K,Yao M,Qu C,Miao J
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
Antibacterial activity of plant-derived compounds and cream formulations against canine skin bacteria.
Veterinary research communications , 2024 Feb 7
Authors Strompfová V,Štempelová L,Wolaschka T
The Dose-Response Effect of Fluoride Exposure on the Gut Microbiome and Its Functional Pathways in Rats.
Metabolites , Volume: 13 Issue: 11 2023 Nov 17
Authors Mo Z,Wang J,Meng X,Li A,Li Z,Que W,Wang T,Tarnue KF,Ma X,Liu Y,Yan S,Wu L,Zhang R,Pei J,Wang X
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
Effects of Walnut and Pumpkin on Selective Neurophenotypes of Autism Spectrum Disorders: A Case Study.
Nutrients , Volume: 15 Issue: 21 2023 Oct 27
Authors El-Ansary A,Al-Ayadhi L
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
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
Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.
Pharmaceuticals (Basel, Switzerland) , Volume: 16 Issue: 10 2023 Oct 12
Authors Sulieman AME,Abdallah EM,Alanazi NA,Ed-Dra A,Jamal A,Idriss H,Alshammari AS,Shommo SAM
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
The Synergism of Human Lactobacillaceae and Inulin Decrease Hyperglycemia via Regulating the Composition of Gut

Microbiota and Metabolic Profiles in db/db Mice.

Journal of microbiology and biotechnology , Volume: 33 Issue: 12 2023 Aug 21

Authors Li P,Tong T,Wu Y,Zhou X,Zhang M,Liu J,She Y,Li Z,Li A

Resveratrol alleviates DSS-induced IBD in mice by regulating the intestinal microbiota-macrophage-arginine metabolism axis.

European journal of medical research , Volume: 28 Issue: 1 2023 Sep 2

Authors Xu X,Ocansey DKW,Pei B,Zhang Y,Wang N,Wang Z,Mao F

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

Manipulating Microbiota in Inflammatory Bowel Disease Treatment: Clinical and Natural Product Interventions Explored.

International journal of molecular sciences , Volume: 24 Issue: 13 2023 Jul 2

Authors Zhu M,Song Y,Xu Y,Xu H

Cinnamon oil solid self-microemulsion mediates chronic mild stress-induced depression in mice by modulating monoamine neurotransmitters, corticosterone, inflammation cytokines, and intestinal flora.

Heliyon , Volume: 9 Issue: 6 2023 Jun

Authors Ma T,Tang B,Wang Y,Shen M,Ping Y,Wang L,Su J

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

In vitro effects of different levels of quebracho and chestnut tannins on rumen methane production, fermentation parameters, and microbiota.

Frontiers in veterinary science , Volume: 10 2023

Authors Battelli M,Colombini S,Parma P,Galassi G,Crovetto GM,Spanghero M,Pravettoni D,Zanzani SA,Manfredi MT,Rapetti L

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

Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 20

Authors Wu T,Yang F,Jiao T,Zhao S

Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.

Applied microbiology and biotechnology , Volume: 106 Issue: 24 2022 Dec

Authors Zhai T,Ren W,Wang P,Zheng L

A red wine intervention does not modify plasma trimethylamine N-oxide but is associated with broad shifts in the plasma metabolome and gut microbiota composition.

The American journal of clinical nutrition , Volume: 116 Issue: 6 2022 Dec 19

Authors Haas EA,Saad MJA,Santos A,Vitulo N,Lemos WJF,Martins AMA,Picossi CRC,Favarato D,Gaspar RS,Magro DO,Libby P,Laurindo FRM,Da Luz PL,WineFlora Study

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

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

Alterations in the composition of the gut microbiota affect absorption of cholecalciferol in severe osteoporosis.
Journal of bone and mineral metabolism , 2022 Feb 1
Authors Cheng J,Zhong WL,Zhao JW,Zhai JH,Chen C,Chao AJ,Ren Z,Zhou L,Wang BM

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

Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.
Frontiers in cellular and infection microbiology , Volume: 11 2021
Authors Wang X,Ye P,Fang L,Ge S,Huang F,Polverini PJ,Heng W,Zheng L,Hu Q,Yan F,Wang W

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

Multidimensional exploration of essential oils generated via eight oregano cultivars: Compositions, chemodiversities, and antibacterial capacities.
Food chemistry , Volume: 374 2022 Apr 16
Authors Hao Y,Kang J,Yang R,Li H,Cui H,Bai H,Tsitsilin A,Li J,Shi L

Oregano Essential Oils Promote Rumen Digestive Ability by Modulating Epithelial Development and Microbiota Composition in Beef Cattle.
Frontiers in nutrition , Volume: 8 2021
Authors Zhang R,Wu J,Lei Y,Bai Y,Jia L,Li Z,Liu T,Xu Y,Sun J,Wang Y,Zhang K,Lei Z

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

Cinnamaldehyde Promotes the Intestinal Barrier Functions and Reshapes Gut Microbiome in Early Weaned Rats.
Frontiers in nutrition , Volume: 8 2021
Authors Qi L,Mao H,Lu X,Shi T,Wang J

Effects of dietary tributyrin and phytosterol ester supplementation on growth performance, intestinal morphology, microbiota and metabolites in weaned piglets.
Journal of applied microbiology , 2021 Oct 27
Authors Chen G,Zhuo R,Ding H,Yang K,Xue J,Zhang S,Chen L,Yin Y,Fang R

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

Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.
Journal of animal science , 2021 Oct 23
Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

The Association between Vitamin D and Gut Microbiota: A Systematic Review of Human Studies.

Nutrients , Volume: 13 Issue: 10 2021 Sep 26
Authors Bellerba F,Muzio V,Gnagnarella P,Facciotti F,Chiocca S,Bossi P,Cortinovis D,Chiaradonna F,Serrano D,Raimondi S,Zerbato B,Palorini R,Canova S,Gaeta A,Gandini S
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
Unravelling the collateral damage of antibiotics on gut bacteria.

Nature , Volume: 599 Issue: 7883 2021 Nov
Authors Maier L,Goemans CV,Wirbel J,Kuhn M,Eberl C,Pruteanu M,Müller P,Garcia-Santamarina S,Cacace E,Zhang B,Gekeler C,Banerjee T,Anderson EE,Milanese A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A
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
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
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
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
Vitamin D and The Gut Microbiota: a Narrative Literature Review.

Clinical nutrition research , Volume: 10 Issue: 3 2021 Jul
Authors Tangestani H,Boroujeni HK,Djafarian K,Emamat H,Shab-Bidar S
Dose-response and functional role of whey permeate as a source of lactose and milk oligosaccharides on intestinal health and growth of nursery pigs.

Journal of animal science , Volume: 99 Issue: 1 2021 Jan 1
Authors Jang KB,Purvis JM,Kim SW
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
Effects of Bacillus subtilis and Bacillus licheniformis on growth performance, immunity, short chain fatty acid production, antioxidant capacity, and cecal microflora in broilers.

Poultry science , Volume: 100 Issue: 9 2021 Jun 26
Authors Xu Y,Yu Y,Shen Y,Li Q,Lan J,Wu Y,Zhang R,Cao G,Yang C
Promiscuous *Pseudomonas*: Uptake of Non-Endogenous Ligands for Iron Acquisition.

Tetrahedron letters , Volume: 75 2021 Jul 6
Authors Kaplan AR,Wuest WM
Dietary oregano essential oil supplementation improves intestinal functions and alters gut microbiota in late-phase laying hens.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jul 6
Authors Feng J,Lu M,Wang J,Zhang H,Qiu K,Qi G,Wu S
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

Effects of Fermented Milk Containing *Lacticaseibacillus paracasei* Strain Shirota on Constipation in Patients with Depression: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 13 Issue: 7 2021 Jun 29

Authors Zhang X,Chen S,Zhang M,Ren F,Ren Y,Li Y,Liu N,Zhang Y,Zhang Q,Wang R

Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the Modulation of Gut Microbiome.

Pharmaceuticals (Basel, Switzerland) , Volume: 14 Issue: 7 2021 Jun 23

Authors Sadovnikova IS,Gureev AP,Ignatyeva DA,Gryaznova MV,Chernyshova EV,Krutskikh EP,Novikova AG,Popov VN

Lactobacillus paracasei modulates the gut microbiota and improves inflammation in type 2 diabetic rats.

Food & function , 2021 Jun 11

Authors Zeng Z,Guo X,Zhang J,Yuan Q,Chen S

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

The Potential Roles of Very Low Calorie, Very Low Calorie Ketogenic Diets and Very Low Carbohydrate Diets on the Gut Microbiota Composition.

Frontiers in endocrinology , Volume: 12 2021

Authors Rondanelli M,Gasparri C,Peroni G,Faliva MA,Naso M,Perna S,Bazire P,Sajuox I,Maugeri R,Rigon C

A multi-omics approach for understanding the effects of moderate wine consumption on human intestinal health.

Food & function , Volume: 12 Issue: 9 2021 May 11

Authors Belda I,Cueva C,Tamargo A,Ravarani CN,Acedo A,Bartolomé B,Moreno-Arribas MV

Vitamin D ameliorates high-fat-diet-induced hepatic injury via inhibiting pyroptosis and alters gut microbiota in rats.

Archives of biochemistry and biophysics , Volume: 705 2021 Jul 15

Authors Zhang X,Shang X,Jin S,Ma Z,Wang H,Ao N,Yang J,Du J

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

A mixture of quebracho and chestnut tannins drives butyrate-producing bacteria populations shift in the gut microbiota of weaned piglets.

PloS one , Volume: 16 Issue: 4 2021

Authors Miragoli F,Patrone V,Prandini A,Sigolo S,Dell`Anno M,Rossi L,Barbato M,Senizza A,Morelli L,Callegari ML

Cholecalciferol Supplementation Does Not Prevent the Development of Metabolic Syndrome or Enhance the Beneficial Effects of Omega-3 Fatty Acids in Obese Mice.

The Journal of nutrition , 2021 Apr 13

Authors Valle M,Mitchell PL,Pilon G,St-Pierre P,Varin T,Richard D,Vohl MC,Jacques H,Delvin E,Levy E,Gagnon C,Bazinet L,Marette A

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

Implications of Tributyrin on Gut Microbiota Shifts Related to Performances of Weaning Piglets.

Microorganisms , Volume: 9 Issue: 3 2021 Mar 12

Authors Miragoli F,Patrone V,Prandini A,Sigolo S,Dell`Anno M,Rossi L,Senizza A,Morelli L,Callegari ML

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

Navy Bean Supplementation in Established High-Fat Diet-Induced Obesity Attenuates the Severity of the Obese Inflammatory Phenotype.

Nutrients , Volume: 13 Issue: 3 2021 Feb 26

Authors Monk JM,Wu W,Lepp D,Pauls KP,Robinson LE,Power KA

Effects of colon-targeted vitamins on the composition and metabolic activity of the human gut microbiome- a pilot study.

Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Pham VT,Fehlbaum S,Seifert N,Richard N,Bruins MJ,Sybesma W,Rehman A,Steinert RE

Dose-response and functional role of whey permeate as a source of lactose and milk oligosaccharides on intestinal health and growth of nursery pigs.

Journal of animal science , Volume: 99 Issue: 1 2021 Jan 1

Authors Jang KB,Purvis JM,Kim SW

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

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

Dose-response and functional role of whey permeate as a source of lactose and milk oligosaccharides on intestinal health and growth of nursery pigs.

Journal of animal science , 2021 Jan 12

Authors Jang K,Purvis JM,Kim SW

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

Diet Rich in Simple Sugars Promotes Pro-Inflammatory Response via Gut Microbiota Alteration and TLR4 Signaling.

Cells , Volume: 9 Issue: 12 2020 Dec 16

Authors Fajstova A,Galanova N,Coufal S,Malkova J,Kostovcik M,Cermakova M,Pelantova H,Kuzma M,Sediva B,Hudcovic T,Hrncir T,Tlaskalova-Hogenova H,Kverka M,Kostovcikova K

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

The potential role of vitamin D supplementation as a gut microbiota modifier in healthy individuals.

Scientific reports , Volume: 10 Issue: 1 2020 Dec 10

Authors Singh P,Rawat A,Alwakeel M,Sharif E,Al Khodor S

Active Vitamin D_3 Treatment Attenuated Bacterial Translocation via Improving Intestinal Barriers in Cirrhotic Rats.

Molecular nutrition & food research , 2020 Nov 30

Authors Lee PC,Hsieh YC,Huo TI,Yang UC,Lin CH,Li CP,Huang YH,Hou MC,Lin HC,Lee KC

The Osteoporosis/Microbiota Linkage: The Role of miRNA.

International journal of molecular sciences , Volume: 21 Issue: 23 2020 Nov 24

Authors De Martinis M,Ginaldi L,Allegra A,Sirufo MM,Pioggia G,Tonacci A,Gangemi S

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

Modulation of the Gut Microbiome and Obesity Biomarkers by Lactobacillus Plantarum KC28 in a Diet-Induced Obesity Murine Model.

Probiotics and antimicrobial proteins , 2020 Nov 14

Authors Huang E,Kim S,Park H,Park S,Ji Y,Todorov SD,Lim SD,Holzapfel WH

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

Modulatory Effects of Triphala and Manjistha Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

Journal of alternative and complementary medicine (New York, N.Y.) , 2020 Sep 18

Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK

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

Intervention with kimchi microbial community ameliorates obesity by regulating gut microbiota.

Journal of microbiology (Seoul, Korea) , 2020 Sep 2

Authors Park SE,Kwon SJ,Cho KM,Seo SH,Kim EJ,Unno T,Bok SH,Park DH,Son HS

Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.

Nutrients , Volume: 12 Issue: 8 2020 Aug 12

Authors Sugimoto T,Shima T,Amamoto R,Kaga C,Kado Y,Watanabe O,Shiinoki J,Iwazaki K,Shigemura H,Tsuji H,Matsumoto S

Vitamin D Supplementation in Laboratory-Bred Mice: An In Vivo Assay on Gut Microbiome and Body Weight.

Microbiology insights , Volume: 13 2020

Authors Badger-Emeka LI,AlJaziri ZY,Almulhim CF,Aldrees AS,AlShakhs ZH,AlAithan RI,Alothman FA

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

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 ameliorative effect of Lactobacillus plantarum Y44 oral administration on inflammation and lipid metabolism in obese mice fed with a high fat diet.

Food & function , Volume: 11 Issue: 6 2020 Jun 24

Authors Liu Y,Gao Y,Ma F,Sun M,Mu G,Tuo Y

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

Supplemental Clostridium butyricum Modulates Lipid Metabolism Through Shaping Gut Microbiota and Bile Acid Profile of Aged Laying Hens.

Frontiers in microbiology , Volume: 11 2020

Authors Wang WW,Wang J,Zhang HJ,Wu SG,Qi GH

Lactobacillus reuteri NK33 and Bifidobacterium adolescentis NK98 alleviate Escherichia coli-induced depression and gut dysbiosis in mice.

Journal of microbiology and biotechnology , 2020 Apr 29

Authors Han SK,Kim JK,Joo MK,Lee KE,Han SW,Kim DH

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

Effects of Tributyrin Supplementation on Growth Performance, Insulin, Blood Metabolites and Gut Microbiota in Weaned Piglets.

Animals : an open access journal from MDPI , Volume: 10 Issue: 4 2020 Apr 22
Authors Sotira S,Dell`Anno M,Caprarulo V,Hejna M,Pirrone F,Callegari ML,Tucci TV,Rossi L
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
Beneficial effects of flaxseed polysaccharides on metabolic syndrome via gut microbiota in high-fat diet fed mice.

Food research international (Ottawa, Ont.) , Volume: 131 2020 May
Authors Yang C,Xu Z,Deng Q,Huang Q,Wang X,Huang F
Increase of *Akkermansia muciniphila* by a Diet Containing Japanese Traditional Medicine Bofutsushosan in a Mouse Model of Non-Alcoholic Fatty Liver Disease.

Nutrients , Volume: 12 Issue: 3 2020 Mar 20
Authors Nishiyama M,Ohtake N,Kaneko A,Tsuchiya N,Imamura S,Iizuka S,Ishizawa S,Nishi A,Yamamoto M,Taketomi A,Kono T
Bofutsushosan improves gut barrier function with a bloom of Akkermansia muciniphila and improves glucose metabolism in mice with diet-induced obesity.

Scientific reports , Volume: 10 Issue: 1 2020 Mar 26
Authors Fujisaka S,Usui I,Nawaz A,Igarashi Y,Okabe K,Furusawa Y,Watanabe S,Yamamoto S,Sasahara M,Watanabe Y,Nagai Y,Yagi K,Nakagawa T,Tobe K
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
The effects of high doses of vitamin D on the composition of the gut microbiome of adolescent girls.

Clinical nutrition ESPEN , Volume: 35 2020 Feb
Authors Tabatabaeizadeh SA,Fazeli M,Meshkat Z,Khodashenas E,Esmaeili H,Mazloum S,Ferns GA,Abdizadeh MF,Ghayour-Mobarhan M
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
Effect of Vitamin D Supplementation on Faecal Microbiota: A Randomised Clinical Trial.

Nutrients , Volume: 11 Issue: 12 2019 Nov 27
Authors Naderpoor N,Mousa A,Fernanda Gomez Arango L,Barrett HL,Dekker Nitert M,de Courten B
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.
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
Influence of Bacillus subtilis GCB-13-001 on growth performance, nutrient digestibility, blood characteristics, faecal microbiota and faecal score in weanling pigs.

Journal of animal physiology and animal nutrition , 2019 Sep 20
Authors Wang H,Kim KP,Kim IH
Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.

Scientific reports , Volume: 9 Issue: 1 2019 Sep 16
Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M
Effects of Lactobacillus plantarum on the intestinal morphology, intestinal barrier function and microbiota composition of suckling piglets.

Journal of animal physiology and animal nutrition , 2019 Sep 9
Authors Wang Q,Sun Q,Qi R,Wang J,Qiu X,Liu Z,Huang J
Adhesive Bifidobacterium Induced Changes in Cecal Microbiome Alleviated Constipation in Mice.

Frontiers in microbiology , Volume: 10 2019

Authors Wang L,Chen C,Cui S,Lee YK,Wang G,Zhao J,Zhang H,Chen W
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
Different duck products protein on rat physiology and gut microbiota.
Journal of proteomics , Volume: 206 2019 Jun 29
Authors Wei T,Dang Y,Cao J,Wu Z,He J,Sun Y,Pan D,Tian Z
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
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
High-fat diet reduces the level of secretory immunoglobulin A coating of commensal gut microbiota.
Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019
Authors Muhomah TA,Nishino N,Katsumata E,Haoming W,Tsuruta T
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
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
Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.
Gut microbes , 2018 Nov 5
Authors Valcheva R,Koleva P,Martínez I,Walter J,Gänzle MG,Dieleman LA
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

Bifidobacterium adolescentis CGMCC 15058 alleviates liver injury, enhances the intestinal barrier and modifies the gut microbiota in D-galactosamine-treated rats.

Applied microbiology and biotechnology , Volume: 103 Issue: 1 2019 Jan

Authors Li Y,Lv L,Ye J,Fang D,Shi D,Wu W,Wang Q,Wu J,Yang L,Bian X,Jiang X,Jiang H,Yan R,Peng C,Li L

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

Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.

Natural product research , 2018 Oct 13

Authors Condò C,Anacarso I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P

The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.

The Journal of pharmacology and experimental therapeutics , Volume: 367 Issue: 3 2018 Dec

Authors Lau WL,Vaziri ND,Nunes ACF,Comeau AM,Langille MGI,England W,Khazaeli M,Suematsu Y,Phan J,Whiteson K

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

Probiotic Lactobacillus plantarum Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Wang J,Ji H,Wang S,Liu H,Zhang W,Zhang D,Wang Y

[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

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

Changes in metabolism and microbiota after 24-week risperidone treatment in drug naïve, normal weight patients with first episode schizophrenia.

Schizophrenia research , 2018 May 30

Authors Yuan X,Zhang P,Wang Y,Liu Y,Li X,Kumar BU,Hei G,Lv L,Huang XF,Fan X,Song X

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
Pumpkin polysaccharide modifies the gut microbiota during alleviation of type 2 diabetes in rats.
International journal of biological macromolecules , Volume: 115 2018 Aug
Authors Liu G,Liang L,Yu G,Li Q
Dietary Clostridium butyricum Induces a Phased Shift in Fecal Microbiota Structure and Increases the Acetic Acid-Producing Bacteria in a Weaned Piglet Model.
Journal of agricultural and food chemistry , Volume: 66 Issue: 20 2018 May 23
Authors Zhang J,Chen X,Liu P,Zhao J,Sun J,Guan W,Johnston LJ,Levesque CL,Fan P,He T,Zhang G,Ma X
The bacterium Pseudomonas aeruginosa senses and gradually responds to interspecific competition for iron.
Evolution; international journal of organic evolution , 2018 Apr 17
Authors Leinweber A,Weigert M,Kümmerli R
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
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
Multidrug-resistant gram-negative bacterial infections in a teaching hospital in Ghana.
Antimicrobial resistance and infection control , Volume: 7 2018
Authors Agyepong N,Govinden U,Owusu-Ofori A,Essack SY
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
Enhancing syntrophic associations among Clostridium butyricum, Syntrophomonas and two types of methanogen by zero valent iron in an anaerobic assay with a high organic loading.
Bioresource technology , Volume: 257 2018 Jun
Authors Kong X,Yu S,Fang W,Liu J,Li H
Impact of Chestnut and Quebracho Tannins on Rumen Microbiota of Bovines.
BioMed research international , Volume: 2017 2017
Authors Díaz Carrasco JM,Cabral C,Redondo LM,Pin Viso ND,Colombatto D,Farber MD,Fernández Miyakawa ME
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
Flammulina velutipes polysaccharides improve scopolamine-induced learning and memory impairment in mice by modulating gut microbiota composition.
Food & function , Volume: 9 Issue: 3 2018 Mar 1
Authors Su A,Yang W,Zhao L,Pei F,Yuan B,Zhong L,Ma G,Hu Q
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

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

Evaluation of the effects of different diets on microbiome diversity and fatty acid composition of rumen liquor in dairy goat.
Animal : an international journal of animal bioscience , 2018 Jan 8
Authors Cremonesi P,Conte G,Severgnini M,Turri F,Monni A,Capra E,Rapetti L,Colombini S,Chessa S,Battelli G,Alves SP,Mele M,Castiglioni B

Update of incidence and antimicrobial susceptibility trends of Escherichia coli and Klebsiella pneumoniae isolates from Chinese intra-abdominal infection patients.
BMC infectious diseases , Volume: 17 Issue: 1 2017 Dec 18
Authors Zhang H,Yang Q,Liao K,Ni Y,Yu Y,Hu B,Sun Z,Huang W,Wang Y,Wu A,Feng X,Luo Y,Chu Y,Chen S,Cao B,Su J,Duan Q,Zhang S,Shao H,Kong H,Gui B,Hu Z,Badal R,Xu 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

Bolus Weekly Vitamin D3 Supplementation Impacts Gut and Airway Microbiota in Adults With Cystic Fibrosis: A Double-Blind, Randomized, Placebo-Controlled Clinical Trial.
The Journal of clinical endocrinology and metabolism , Volume: 103 Issue: 2 2018 Feb 1
Authors Kanhere M,He J,Chassaing B,Ziegler TR,Alvarez JA,Ivie EA,Hao L,Hanfelt J,Gewirtz AT,Tangpricha V

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

In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.
Journal of food science and technology , Volume: 54 Issue: 12 2017 Nov
Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP

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

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

Navy and black bean supplementation primes the colonic mucosal microenvironment to improve gut health.
The Journal of nutritional biochemistry , Volume: 49 2017 Nov
Authors Monk JM,Lepp D,Wu W,Pauls KP,Robinson LE,Power KA

A single early-in-life macrolide course has lasting effects on murine microbial network topology and immunity
Nature Communications , Volume: 8 2017 Sep 11
Authors Ruiz VE,Battaglia T,Kurtz ZD,Bijnens L,Ou A,Engstrand I,Zheng X,Iizumi T,Mullins BJ,Müller CL,Cadwell K,Bonneau

R,Perez-Perez GI,Blaser MJ

Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.

American journal of physiology. Endocrinology and metabolism , Volume: 314 Issue: 4 2018 Apr 1

Authors Van Hul M,Geurts L,Plovier H,Druart C,Everard A,Ståhlman M,Rhimi M,Chira K,Teissedre PL,Delzenne NM,Maguin E,Guilbot A,Brochot A,Gérard P,Bäckhed F,Cani PD

Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2017 Aug 29

Authors Lin TH,Pan TM

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 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

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
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
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
Gut microbiota interactions with the immunomodulatory role of vitamin D in normal individuals.
Metabolism: clinical and experimental , Volume: 69 2017 Apr
Authors Luthold RV,Fernandes GR,Franco-de-Moraes AC,Folchetti LG,Ferreira SR
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
The Fungal Mycobiome and Its Interaction with Gut Bacteria in the Host.
International journal of molecular sciences , Volume: 18 Issue: 2 2017 Feb 4
Authors Sam QH,Chang MW,Chai LY
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
Prospective randomized controlled study on the effects of Saccharomyces boulardii CNCM I-745 and amoxicillin-clavulanate or the combination on the gut microbiota of healthy volunteers.
Gut microbes , Volume: 8 Issue: 1 2017 Jan 2
Authors Kabbani TA,Pallav K,Dowd SE,Villafuerte-Galvez J,Vanga RR,Castillo NE,Hansen J,Dennis M,Leffler DA,Kelly CP
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
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
Insights from 100 Years of Research with Probiotic E. Coli
European Journal of Microbiology & Immunology , Volume: 6 Issue: 3 2016 Sep 29
Authors Wassenaar TM

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

Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.

Journal of food science , Volume: 81 Issue: 8 2016 Aug

Authors Bai G,Ni K,Tsuruta T,Nishino N

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

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.

Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug

Authors Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C

In vitro effects of sodium bicarbonate buffer on rumen fermentation, levels of lipopolysaccharide and biogenic amine, and composition of rumen microbiota.

Journal of the science of food and agriculture , Volume: 97 Issue: 4 2017 Mar

Authors Mao S,Huo W,Liu J,Zhang R,Zhu W

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

Effects of dietary fibre source on microbiota composition in the large intestine of suckling piglets.

FEMS microbiology letters , Volume: 363 Issue: 14 2016 Jul

Authors Zhang L,Mu C,He X,Su Y,Mao S,Zhang J,Smidt H,Zhu W

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

A Pathogen-Selective Antibiotic Minimizes Disturbance to the Microbiome.

Antimicrobial agents and chemotherapy , Volume: 60 Issue: 7 2016 Jul

Authors Yao J,Carter RA,Vuagniaux G,Barbier M,Rosch JW,Rock CO

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

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

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

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

Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.
Gut , Volume: 66 Issue: 5 2017 May
Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkouvardos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D

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

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

Microbial Metabolism Shifts Towards an Adverse Profile with Supplementary Iron in the TIM-2 In vitro Model of the Human Colon.
Frontiers in microbiology , Volume: 6 2015
Authors Kortman GA,Dutilh BE,Maathuis AJ,Engelke UF,Boekhorst J,Keegan KP,Nielsen FG,Betley J,Weir JC,Kingsbury Z,Kluijtmans LA,Swinkels DW,Venema K,Tjalsma H

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

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

Levan Enhances Associated Growth of Bacteroides, Escherichia, Streptococcus and Faecalibacterium in Fecal Microbiota.
PloS one , Volume: 10 Issue: 12 2015
Authors Adamberg K,Tomson K,Talve T,Pudova K,Puurand M,Visnapuu T,Alamäe T,Adamberg S

The Influence of Nonsteroidal Anti-Inflammatory Drugs on the Gut Microbiome
Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 22 Issue: 2 2015 Oct 16
Authors Rogers MA,Aronoff DM

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

Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects.
Food & function , Volume: 7 Issue: 1 2016 Jan
Authors Cuervo A,Hevia A,López P,Suárez A,Diaz C,Sánchez B,Margolles A,González S

Enhanced butyrate formation by cross-feeding between Faecalibacterium prausnitzii and Bifidobacterium adolescentis.

FEMS microbiology letters , Volume: 362 Issue: 21 2015 Nov
Authors Rios-Covian D,Gueimonde M,Duncan SH,Flint HJ,de los Reyes-Gavilan CG
Dietary vitamin D3 deficiency alters intestinal mucosal defense and increases susceptibility to Citrobacter rodentium-induced colitis.
American journal of physiology. Gastrointestinal and liver physiology , Volume: 309 Issue: 9 2015 Nov 1
Authors Ryz NR,Lochner A,Bhullar K,Ma C,Huang T,Bhinder G,Bosman E,Wu X,Innis SM,Jacobson K,Vallance BA
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
Wheat and barley differently affect porcine intestinal microbiota.
Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr
Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R
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
Dietary modulation of the gut microbiota–a randomised controlled trial in obese postmenopausal women.
The British journal of nutrition , Volume: 114 Issue: 3 2015 Aug 14
Authors Brahe LK,Le Chatelier E,Prifti E,Pons N,Kennedy S,Blædel T,Håkansson J,Dalsgaard TK,Hansen T,Pedersen O,Astrup A,Ehrlich SD,Larsen LH
Lack of Vitamin D Receptor Causes Dysbiosis and Changes the Functions of the Murine Intestinal Microbiome.
Clinical therapeutics , Volume: 37 Issue: 5 2015 May 1
Authors Jin D,Wu S,Zhang YG,Lu R,Xia Y,Dong H,Sun J
Effects of dietary linseed oil and propionate precursors on ruminal microbial community, composition, and diversity in Yanbian yellow cattle.
PloS one , Volume: 10 Issue: 5 2015
Authors Li XZ,Park BK,Shin JS,Choi SH,Smith SB,Yan CG
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
Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.
International journal of food microbiology , Volume: 202 2015 Jun 2
Authors Akdemir Evrendilek G
Red wine consumption is associated with fecal microbiota and malondialdehyde in a human population.
Journal of the American College of Nutrition , Volume: 34 Issue: 2 2015
Authors Cuervo A,Reyes-Gavilán CG,Ruas-Madiedo P,Lopez P,Suarez A,Gueimonde M,González S
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
Collateral damage from oral ciprofloxacin versus nitrofurantoin in outpatients with urinary tract infections: a culture-free analysis of gut microbiota.
Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 21 Issue: 4 2015 Apr
Authors Stewardson AJ,Gaïa N,François P,Malhotra-Kumar S,Delémont C,Martinez de Tejada B,Schrenzel J,Harbarth S,Lazarevic V,SATURN WP1 and WP3 Study Groups.
In vitro fermentation of fructooligosaccharides with human gut bacteria.
Food & function , Volume: 6 Issue: 3 2015 Mar
Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W
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
[The antibacterial activity of cinnamon oil on the selected gram-positive and gram-negative bacteria].
Medycyna doswiadczalna i mikrobiologia , Volume: 66 Issue: 2 2014
Authors Urbaniak A,Glowacka A,Kowalczyk E,Lysakowska M,Sienkiewicz M
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
In vitro fermentation of lactulose by human gut bacteria.
Journal of agricultural and food chemistry , Volume: 62 Issue: 45 2014 Nov 12
Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W
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
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
Low-dose aspartame consumption differentially affects gut microbiota-host metabolic interactions in the diet-induced obese rat.
PloS one , Volume: 9 Issue: 10 2014
Authors Palmnäs MS,Cowan TE,Bomhof MR,Su J,Reimer RA,Vogel HJ,Hittel DS,Shearer J
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
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
Smoking cessation alters intestinal microbiota: insights from quantitative investigations on human fecal samples using FISH.

Inflammatory bowel diseases , Volume: 20 Issue: 9 2014 Sep
Authors Biedermann L,Brülisauer K,Zeitz J,Frei P,Scharl M,Vavricka SR,Fried M,Loessner MJ,Rogler G,Schuppler M
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
Effect of oral consumption of probiotic Lactobacillus planatarum P-8 on fecal microbiota, SIgA, SCFAs, and TBAs of adults of different ages.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 30 Issue: 7-8 2014 Jul-Aug
Authors Wang L,Zhang J,Guo Z,Kwok L,Ma C,Zhang W,Lv Q,Huang W,Zhang H
High levels of Bifidobacteria are associated with increased levels of anthocyanin microbial metabolites: a randomized clinical trial.

Food & function , Volume: 5 Issue: 8 2014 Aug
Authors Boto-Ordóñez M,Urpi-Sarda M,Queipo-Ortuño MI,Tulipani S,Tinahones FJ,Andres-Lacueva C
Bacteriologic profile and antibiogram of blood culture isolates from a children`s hospital in Kabul.

Journal of the College of Physicians and Surgeons--Pakistan : JCPSP , Volume: 24 Issue: 6 2014 Jun
Authors Tariq TM
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
Impact of diet and individual variation on intestinal microbiota composition and fermentation products in obese men

The ISME Journal , Volume: 8 Issue: 11 2014 Apr 24
Authors Salonen A,Lahti L,Salojärvi J,Holtrop G,Korpela K,Duncan SH,Date P,Farquharson F,Johnstone AM,Lobley GE,Louis P,Flint HJ,de Vos WM
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
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
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
In vitro activity of tigecycline and comparators against Gram-positive and Gram-negative isolates collected from the Middle East and Africa between 2004 and 2011.
International journal of antimicrobial agents , Volume: 43 Issue: 2 2014 Feb
Authors Kanj SS,Whitelaw A,Dowzicky MJ
Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.
Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec
Authors Majid HA,Cole J,Emery PW,Whelan K
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
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
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 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
Does the piperacillin minimum inhibitory concentration for Pseudomonas aeruginosa influence clinical outcomes of children with pseudomonal bacteremia?

Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 55 Issue: 6 2012 Sep
Authors Tamma PD,Turnbull AE,Milstone AM,Hsu AJ,Carroll KC,Cosgrove SE
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
Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.
FEMS immunology and medical microbiology , Volume: 65 Issue: 3 2012 Aug
Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN
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
Impact of polydextrose on the faecal microbiota: a double-blind, crossover, placebo-controlled feeding study in healthy human subjects.
The British journal of nutrition , Volume: 108 Issue: 3 2012 Aug
Authors Costabile A,Fava F,Röytiö H,Forssten SD,Olli K,Klievink J,Rowland IR,Ouwehand AC,Rastall RA,Gibson GR,Walton GE
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

The antimicrobial resistance pattern of cultured human methanogens reflects the unique phylogenetic position of archaea.
The Journal of antimicrobial chemotherapy , Volume: 66 Issue: 9 2011 Sep
Authors Dridi B,Fardeau ML,Ollivier B,Raoult D,Drancourt M

Antimicrobial activity of plant essential oils against bacterial and fungal species involved in food poisoning and/or food decay.
Roumanian archives of microbiology and immunology , Volume: 69 Issue: 4 2010 Oct-Dec
Authors Lixandru BE,Dracea NO,Dragomirescu CC,Dragulescu EC,Coldea IL,Anton L,Dobre E,Rovinaru C,Codita I

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

Development of biosensor-based assays to identify anti-infective oligosaccharides.
Analytical biochemistry , Volume: 410 Issue: 2 2011 Mar 15
Authors Lane JA,Mehra RK,Carrington SD,Hickey RM

Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.
Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27
Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ

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

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

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

Nonstarch polysaccharides modulate bacterial microbiota, pathways for butyrate production, and abundance of pathogenic Escherichia coli in the pig gastrointestinal tract.
Applied and environmental microbiology , Volume: 76 Issue: 11 2010 Jun
Authors Metzler-Zebeli BU,Hooda S,Pieper R,Zijlstra RT,van Kessel AG,Mosenthin R,Gänzle MG

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

Probiotic treatment of irritable bowel syndrome in children.
German medical science : GMS e-journal , Volume: 8 2010 Mar 2
Authors Martens U,Enck P,Zieseniss E

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

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

The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.
International journal of food microbiology , Volume: 124 Issue: 1 2008 May 10
Authors Gutierrez J,Barry-Ryan C,Bourke P

[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

Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.

Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30

Authors López P,Sanchez C,Batlle R,Nerín C

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

Bacteremia in children at a regional hospital in Trinidad.

International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases , Volume: 11 Issue: 2 2007 Mar

Authors Orrett FA,Changoor E

Antimicrobial and antiplasmid activities of essential oils.

Fitoterapia , Volume: 77 Issue: 4 2006 Jun

Authors Schelz Z,Molnar J,Hohmann J

Intestinal microbiota of patients with bacterial infection of the respiratory tract treated with amoxicillin.

The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 9 Issue: 4 2005 Aug

Authors Monreal MT,Pereira PC,de Magalhães Lopes CA

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

Emerging resistance among bacterial pathogens in the intensive care unit–a European and North American Surveillance study (2000-2002).

Annals of clinical microbiology and antimicrobials , Volume: 3 2004 Jul 29

Authors Jones ME,Draghi DC,Thornsberry C,Karlowsky JA,Sahm DF,Wenzel RP

In vitro antimicrobial activity of essential oils from aromatic plants against selected foodborne pathogens.

Journal of food protection , Volume: 67 Issue: 6 2004 Jun

Authors Rota C,Carramiñana JJ,Burillo J,Herrera A

Contribution of acetate to butyrate formation by human faecal bacteria.

The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun

Authors Duncan SH,Holtrop G,Lobley GE,Calder AG,Stewart CS,Flint HJ

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.

Argentinean collaborative multicenter study on the in vitro comparative activity of piperacillin-tazobactam against selected bacterial isolates recovered from hospitalized patients.

Diagnostic microbiology and infectious disease , Volume: 47 Issue: 3 2003 Nov

Authors Casellas JM,Tomé G,Bantar C,Bertolini P,Blázquez N,Borda N,Couto E,Cudmani N,Guerrera J,Juárez MJ,López T,Littvik A,Méndez E,Notario R,Ponce G,Quinteros M,Salamone F,Sparo M,Sutich E,Vaylet S,Wolff L

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

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

High frequency of antibiotic resistance among Gram-negative isolates in intensive care units at 10 Swedish hospitals.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 3 Issue: 2 1997 Apr

Authors Hanberger H,Nilsson LE,Swedish Study Group .

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

Antimicrobial activity of essential oils and other plant extracts.

Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun

Authors Hammer KA,Carson CF,Riley TV

[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

[Relationship between the sensitivity of Pseudomonas aeruginosa and the post-antibiotic effect of sparfloxacin and ciprofloxacin].

Revista espanola de quimioterapia : publicacion oficial de la Sociedad Espanola de Quimioterapia , Volume: 11 Issue: 4 1998 Dec

Authors Pastor A,Cantón E,Pemán J

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

Microbiological examinations and in-vitro testing of different antibiotics in therapeutic endoscopy of the biliary system.

Endoscopy , Volume: 30 Issue: 8 1998 Oct

Authors Lorenz R,Herrmann M,Kassem AM,Lehn N,Neuhaus H,Classen M

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

[Susceptibilities of bacteria isolated from patients with lower respiratory infectious diseases to antibiotics (1996)].

The Japanese journal of antibiotics , Volume: 51 Issue: 7 1998 Jul

Authors Ikemoto H,Watanabe K,Mori T,Igari J,Oguri T,Shimizu Y,Terai T,Inoue H,Nakadate T,Ito C,Yoshida T,Ohno I,Tanno Y,Arakawa M,Igarashi K,Okada M,Ozaki K,Aoki N,Kitamura N,Sekine O,Suzuki Y,Nakata K,Nakatani T,Inagawa H,Kusano N

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

Cefuroxime compared to amoxicillin-clavulanic acid in the treatment of community-acquired pneumonia.

Singapore medical journal , Volume: 37 Issue: 3 1996 Jun

Authors Oh HM,Ng AW,Lee SK
In vitro evaluation of activities of nitazoxanide and tizoxanide against anaerobes and aerobic organisms.
Antimicrobial agents and chemotherapy , Volume: 40 Issue: 10 1996 Oct
Authors Dubreuil L,Houcke I,Mouton Y,Rossignol JF
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
The fermentation of lactulose by colonic bacteria.
Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb
Authors Sahota SS,Bramley PM,Menzies IS
Comparative activities of the oxa-beta-lactam LY127935, cefotaxime, cefoperazone, cefamandole, and ticarcillin against multiply resistant gram-negative bacilli.
Antimicrobial agents and chemotherapy , Volume: 17 Issue: 2 1980 Feb
Authors Hall WH,Opfer BJ,Gerding DN
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
Factors affecting growth and lipase production by meat lactobacilli strains and Brochothrix thermosphacta.
The Journal of applied bacteriology , Volume: 64 Issue: 2 1988 Feb
Authors Papon M,Talon R
[In vitro sensitivity at 18 antibiotics of 192 strains of Pseudomonas aeruginosa isolated at Garches Hospital].
Pathologie-biologie , Volume: 35 Issue: 5 1987 May
Authors Ronco E,Vacheron F,Orabona A
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
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
Infectious Disease and Antibmicrobial Agents
antimicrobe: Infectious Disease and Antibmicrobial Agents , Volume:
Authors E-Sun Technologies
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
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