Microbiome Information for: Irritable Bowel Syndrome

For non-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

A Microbiome Analysis Company

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Our Facebook Discussion Page

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
Alphaproteobacteria	*class*	High	*28211*
Bacilli	*class*	High	*91061*
Clostridia	*class*	High	*186801*
Gammaproteobacteria	*class*	High	*1236*
Methanobacteria	*class*	Low	*183925*
Acidaminococcaceae	*family*	High	*909930*
Alcaligenaceae	*family*	Low	*506*
Bacteroidaceae	*family*	High	*815*
Christensenellaceae	*family*	Low	*990719*
Clostridiaceae	*family*	Low	*31979*
Desulfovibrionaceae	*family*	High	*194924*
Enterobacteriaceae	*family*	High	*543*
Enterococcaceae	*family*	Low	*81852*
Erysipelotrichaceae	*family*	High	*128827*
Lachnospiraceae	*family*	Low	*186803*
Leuconostocaceae	*family*	Low	*81850*
Microviridae	*family*	High	*10841*
Moraxellaceae	*family*	High	*468*
Mycobacteriaceae	*family*	Low	*1762*
Neisseriaceae	*family*	Low	*481*
Oscillospiraceae	*family*	High	*216572*
Peptostreptococcaceae	*family*	Low	*186804*
Prevotellaceae	*family*	High	*171552*
Pseudomonadaceae	*family*	High	*135621*
Rikenellaceae	*family*	High	*171550*
Ruminococcaceae	*family*	Low	*541000*
Sutterellaceae	*family*	High	*995019*
Veillonellaceae	*family*	High	*31977*
Acidaminococcus	*genus*	High	*904*
Acinetobacter	*genus*	Low	*469*
Aeromonas	*genus*	High	*642*
Alistipes	*genus*	Low	*239759*
Alloprevotella	*genus*	High	*1283313*
Anaerostipes	*genus*	High	*207244*
Atopobium	*genus*	Low	*1380*
Bacillus	*genus*	Low	*1386*
Bacteroides	*genus*	High	*816*
Bifidobacterium	*genus*	Low	*1678*
Blastocystis	*genus*	High	*12967*
Blautia	*genus*	High	*572511*
Burkholderia	*genus*	Low	*32008*
Lachnoclostridium	*genus*	High	*1506553*
Lachnospira	*genus*	Low	*28050*
Lactobacillus	*genus*	Low	*1578*
Methylobacterium	*genus*	High	*407*
Microbacterium	*genus*	High	*33882*
Microvirgula	*genus*	Low	*57479*
Moryella	*genus*	Low	*437755*
Oscillibacter	*genus*	High	*459786*
Oxalobacter	*genus*	Low	*846*
Parabacteroides	*genus*	Low	*375288*
Paraprevotella	*genus*	High	*577309*
Parasutterella	*genus*	Low	*577310*
Parvimonas	*genus*	High	*543311*
Peptostreptococcus	*genus*	High	*1257*
Phascolarctobacterium	*genus*	High	*33024*
Prevotella	*genus*	High	*838*
Proteus	*genus*	High	*583*
Proteus	*genus*	High	*210425*
Pseudomonas	*genus*	High	*286*
Ralstonia	*genus*	Low	*48736*
Roseburia	*genus*	Low	*841*
Ruminococcus	*genus*	High	*1263*
Salmonella	*genus*	High	*590*
Shigella	*genus*	High	*620*
Sporobacter	*genus*	Low	*44748*
Streptococcus	*genus*	High	*1301*
Subdoligranulum	*genus*	Low	*292632*
Sutterella	*genus*	Low	*40544*
Turicibacter	*genus*	Low	*191303*
Veillonella	*genus*	High	*29465*
Weissella	*genus*	Low	*46255*
Eubacteriales	*order*	High	*186802*
[Bacteroides] pectinophilus	*species*	Low	*384638*
[Clostridium] leptum	*species*	High	*1535*
[Ruminococcus] torques	*species*	High	*33039*
Alistipes putredinis	*species*	Low	*28117*
Bacteroides caccae	*species*	High	*47678*
Bacteroides fragilis	*species*	High	*817*
Bacteroides ovatus	*species*	Low	*28116*
Bacteroides thetaiotaomicron	*species*	High	*818*
Bacteroides uniformis	*species*	Low	*820*

Bacteria Name	Rank	Shift	Taxonomy ID
Butyricimonas	*genus*	Low	*574697*
Butyrivibrio	*genus*	High	*830*
Campylobacter	*genus*	High	*194*
Catenibacterium	*genus*	Low	*135858*
Citrobacter	*genus*	Low	*544*
Clostridium	*genus*	High	*1485*
Collinsella	*genus*	Low	*102106*
Coprobacter	*genus*	Low	*1348911*
Coprococcus	*genus*	Low	*33042*
Desulfovibrio	*genus*	High	*872*
Dialister	*genus*	Low	*39948*
Dorea	*genus*	High	*189330*
Eisenbergiella	*genus*	High	*1432051*
Enterobacter	*genus*	High	*547*
Erysipelatoclostridium	*genus*	High	*1505663*
Escherichia	*genus*	High	*561*
Eubacterium	*genus*	Low	*1730*
Faecalibacterium	*genus*	Low	*216851*
Faecalitalea	*genus*	High	*1573534*
Fusicatenibacter	*genus*	High	*1407607*
Holdemanella	*genus*	Low	*1573535*
Hyphomicrobium	*genus*	Low	*81*

Bacteria Name	Rank	Shift	Taxonomy ID
Blastocystis hominis	*species*	High	*12968*
Campylobacter concisus	*species*	High	*199*
Collinsella aerofaciens	*species*	High	*74426*
Dialister invisus	*species*	High	*218538*
Escherichia coli	*species*	High	*562*
Eubacterium coprostanoligenes	*species*	Low	*290054*
Faecalibacterium prausnitzii	*species*	Low	*853*
Fusobacterium nucleatum	*species*	High	*851*
Gemella morbillorum	*species*	High	*29391*
Helicobacter pylori	*species*	High	*210*
Heyndrickxia coagulans	*species*	Low	*1398*
Metamycoplasma hominis	*species*	High	*2098*
Methanobrevibacter smithii	*species*	High	*2173*
Oxalobacter formigenes	*species*	Low	*847*
Paraprevotella clara	*species*	Low	*454154*
Phocaeicola vulgatus	*species*	Low	*821*
Pseudomonas aeruginosa	*species*	High	*287*
Staphylococcus aureus	*species*	High	*1280*
Stenotrophomonas terrae	*species*	High	*405446*
Streptococcus gallolyticus	*species*	High	*315405*
Sutterella wadsworthensis	*species*	Low	*40545*
Veillonella parvula	*species*	High	*29466*

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.

Ferrum {Iron Supplements} 400 mg/day

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.

(2->1)-beta-D-fructofuranan {Inulin}
bacillus subtilis {B.Subtilis }
bacillus,lactobacillus,streptococcus,saccharomyces probiotic
fruit
fruit/legume fibre
Hordeum vulgare {Barley}
Lactobacillus plantarum {L. plantarum}
oligosaccharides {oligosaccharides}
yogurt

Sample of Literature Used

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

Periodic Changes in the Gut Microbiome in Women with the Mixed Type of Irritable Bowel Syndrome.
Biomedicines , Volume: 13 Issue: 3 2025 Mar 7
Authors Kaczka A,Blonska A,Chojnacki C,Gasiorowska A,Blasiak J,Poplawski T,Chojnacki J

Correlation between the neuroendocrine axis, microbial species, inflammatory response, and gastrointestinal symptoms in irritable bowel syndrome.
World journal of gastroenterology , Volume: 30 Issue: 35 2024 Sep 21
Authors Zhang X,Jin WW,Wang HG

Sex Differences in Colonic Mucosal Microbiome of Irritable Bowel Syndrome Patients Compared to Healthy Controls.
medRxiv : the preprint server for health sciences , 2024 Aug 2
Authors Mahurkar-Joshi S,Shera S,Labus J,Dong TS,Jacobs JP,Chang L

Fecal Proteolytic Bacteria and Staphylococcal Superantigens Are Associated With Abdominal Pain Severity in Irritable Bowel Syndrome.
The American journal of gastroenterology , Volume: 120 Issue: 3 2025 Mar 1
Authors Quan R,Decraecker L,Appeltans I,Cuende-Estévez M,Van Remoortel S,Aguilera-Lizarraga J,Wang Z,Hicks G,Wykosky J,McLean P,Denadai-Souza A,Hussein H,Boeckxstaens GE

Multiomics Analysis Reveals Gut Virome-Bacteria-Metabolite Interactions and Their Associations with Symptoms in Patients with IBS-D.
Viruses , Volume: 16 Issue: 7 2024 Jun 29
Authors Xie P,Luo M,Fan J,Xiong L

Fecal Microbiota Characteristics in Constipation-Predominant and Mixed-Type Irritable Bowel Syndrome.
Microorganisms , Volume: 12 Issue: 7 2024 Jul 12
Authors Gryaznova M,Smirnova Y,Burakova I,Morozova P,Lagutina S,Chizhkov P,Korneeva O,Syromyatnikov M

Differences in clinical manifestations and the fecal microbiome between irritable bowel syndrome and small intestinal bacterial overgrowth.
Digestive and liver disease : official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver , Volume: 56 Issue: 12 2024 Dec
Authors Lu S,Chen Y,Guo H,Liu Z,Du Y,Duan L

Transcriptomic and Metabolomic Correlates of Increased Colonic Permeability in Postinfection Irritable Bowel Syndrome.
Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association , Volume: 23 Issue: 4 2025 Mar
Authors Caceres Lessa AY,Edwinson A,Sato H,Yang L,Berumen A,Breen-Lyles M,Byale A,Ryks M,Keehn A,Camilleri M,Farrugia G,Chen J,Decuir M,Smith K,Dasari S,Grover M

Fecal bacteria and short-chain fatty acids in irritable bowel syndrome: Relations to subtype.
Neurogastroenterology and motility , Volume: 36 Issue: 9 2024 Sep
Authors Teige ES,Hillestad EMR,Steinsvik EK,Brønstad I,Lundervold A,Lundervold AJ,Valeur J,Hausken T,Berentsen B,Lied GA

Association between gut microbiota and common overlapping gastrointestinal disorders: a bidirectional two-sample Mendelian randomization study.
Frontiers in microbiology , Volume: 15 2024
Authors Huang Y,Kang Z,He Y,Qiu Y,Song Y,Liu W

Gut microbial signatures of patients with diarrhea-predominant irritable bowel syndrome and their healthy relatives.
Journal of applied microbiology , Volume: 135 Issue: 6 2024 Jun 3
Authors Chen J,Lan H,Li C,Xie Y,Cheng X,Xia R,Ke C,Liang X

Gut microbiome and symptoms in females with irritable bowel syndrome: a cross-sectional analysis.
Beneficial microbes , Volume: 15 Issue: 3 2024 May 28
Authors Kamp KJ,Plantinga AM,Cain KC,Burr RL,Tsai CS,Wu Q,So SY,Badu S,Savidge T,Shulman RJ,Heitkemper MM

Exploring causality in the association between gut microbiota and irritable bowel syndrome risk: a large Mendelian randomization study.
Aging , Volume: 16 Issue: 8 2024 Apr 25
Authors Zhang J,Shi X,Wang Y

A Systematic Review: Fecal Bacterial Profile in Patients with Irritable Bowel Syndrome Analyzed with the GA-Map Dysbiosis Test Based on the 16S rRNA Gene of Bacterial Species or Groups.
Clinical and experimental gastroenterology , Volume: 17 2024
Authors Teige ES,Sortvik U,Lied GA

Microbiota-Short Chain Fatty Acid Relationships Underlie Clinical Heterogeneity and Identify Key Microbial Targets in Irritable

Bowel Syndrome (IBS).
medRxiv : the preprint server for health sciences , 2024 Aug 8
Authors Shin A,Xing Y,Waseem MR,Siwiec R,James-Stevenson T,Rogers N,Bohm M,Wo J,Lockett C,Gupta A,Kadariya J,Toh E,Anderson R,Xu H,Gao X
Cytolethal distending toxin B inoculation leads to distinct gut microtypes and IBS-D-like microRNA-mediated gene expression changes in a rodent model.
Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec
Authors Leite G,de Freitas Germano J,Morales W,Weitsman S,Barlow GM,Parodi G,Pimentel ML,Villanueva-Millan MJ,Sanchez M,Ayyad S,Rezaie A,Mathur R,Pimentel M
Mucosa-Associated Microbiota Dysbiosis in the Terminal Ileum Correlates With Bowel Symptoms in Diarrhea-Predominant Irritable Bowel Syndrome.
Clinical and translational gastroenterology , Volume: 15 Issue: 2 2024 Feb 1
Authors Wu BY,Xu P,Cheng L,Wang QQ,Qiu HY,Yan XJ,Chen SL
Gut Microbiome and Lipidome Signatures in Irritable Bowel Syndrome Patients from a Low-Income, Food-Desert Area: A Pilot Study.
Microorganisms , Volume: 11 Issue: 10 2023 Oct 6
Authors Paripati N,Nesi L,Sterrett JD,Dawud LM,Kessler LR,Lowry CA,Perez LJ,DeSipio J,Phadtare S
Fecal Microbial Composition and Predicted Functional Profile in Irritable Bowel Syndrome Differ between Subtypes and Geographical Locations.
Microorganisms , Volume: 11 Issue: 10 2023 Oct 5
Authors Garcia-Mazcorro JF,Amieva-Balmori M,Triana-Romero A,Wilson B,Smith L,Reyes-Huerta J,Rossi M,Whelan K,Remes-Troche JM
Characteristics of gut microbiota in male periadolescent rats with irritable bowel syndrome.
Heliyon , Volume: 9 Issue: 8 2023 Aug
Authors Lin W,Wu D,Zeng Y,Liu Y,Yu D,Wei J,Cai Y,Lin Y,Wu B,Huang H
Oral and fecal microbiota in patients with diarrheal irritable bowel syndrome.
Heliyon , Volume: 9 Issue: 1 2023 Jan
Authors Tang B,Hu Y,Chen J,Su C,Zhang Q,Huang C
Evaluation of gut microbiota of iranian patients with celiac disease, non-celiac wheat sensitivity, and irritable bowel syndrome: are there any similarities?
BMC gastroenterology , Volume: 23 Issue: 1 2023 Jan 16
Authors Naseri K,Dabiri H,Olfatifar M,Shahrbaf MA,Yadegar A,Soheilian-Khorzoghi M,Sadeghi A,Saadati S,Rostami-Nejad M,Verma AK,Zali MR
Phylogenetic analysis of Prevotella copri from fecal and mucosal microbiota of IBS and IBD patients.
Therapeutic advances in gastroenterology , Volume: 16 2023
Authors Lo Presti A,Del Chierico F,Altomare A,Zorzi F,Monteleone G,Putignani L,Angeletti S,Cicala M,Guarino MPL,Ciccozzi M
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
Bile Acid and Gut Microbiota in Irritable Bowel Syndrome.
Journal of neurogastroenterology and motility , Volume: 28 Issue: 4 2022 Oct 30
Authors Min YW,Rezaie A,Pimentel M
Gut microbiota, inflammatory bowel disease and colorectal cancer.
World journal of gastroenterology , Volume: 28 Issue: 30 2022 Aug 14
Authors Quaglio AEV,Grillo TG,De Oliveira ECS,Di Stasi LC,Sassaki LY
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
Gut microbiota in mucosa and feces of newly diagnosed, treatment-naïve adult inflammatory bowel disease and irritable bowel syndrome patients.
Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec
Authors Cipcic Paljetak H,Barešic A,Panek M,Peric M,Matijašic M,Lojkic I,Barišic A,Vranešic Bender D,Ljubas Kelecic D,Brinar M,Kalauz M,Milicevic M,Grgic D,Turk N,Karas I,Cukovic-Cavka S,Krznaric Ž,Verbanac D
Functional bowel symptoms in the general population (Review).
Molecular medicine reports , Volume: 26 Issue: 1 2022 Jul
Authors Ohlsson B
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
Microbiota and the irritable bowel syndrome.
Minerva gastroenterology , Volume: 67 Issue: 4 2021 Dec
Authors Sabo CM,Dumitrascu DL
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
Leveraging 16S rRNA Microbiome Sequencing Data to Identify Bacterial Signatures for Irritable Bowel Syndrome.
Frontiers in cellular and infection microbiology , Volume: 11 2021
Authors Liu Y,Li W,Yang H,Zhang X,Wang W,Jia S,Xiang B,Wang Y,Miao L,Zhang H,Wang L,Wang Y,Song J,Sun Y,Chai L,Tian X
Blastocystis sp. Carriage and Irritable Bowel Syndrome: Is the Association Already Established?
Biology , Volume: 10 Issue: 4 2021 Apr 19
Authors Salvador F,Lobo B,Goterris L,Alonso-Cotoner C,Santos J,Sulleiro E,Bailo B,Carmena D,Sánchez-Montalvá A,Bosch-Nicolau P,Espinosa-Pereiro J,Fuentes I,Molina I
Impact of 2'-Fucosyllactose on Gut Microbiota Composition in Adults with Chronic Gastrointestinal Conditions: Batch Culture Fermentation Model and Pilot Clinical Trial Findings.
Nutrients , Volume: 13 Issue: 3 2021 Mar 14
Authors Ryan JJ,Monteagudo-Mera A,Contractor N,Gibson GR
Comparison of the Gut Microbiota Disturbance in Rat Models of Irritable Bowel Syndrome Induced by Maternal Separation and Multiple Early-Life Adversity.
Frontiers in cellular and infection microbiology , Volume: 10 2020
Authors Enqi W,Jingzhu S,Lingpeng P,Yaqin L
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
Mucosa-Associated Microbiota in Patients with Irritable Bowel Syndrome: A Comparison of Subtypes.
Digestion , Volume: 102 Issue: 1 2021
Authors Matsumoto H,Shiotani A,Katsumata R,Fukushima S,Handa Y,Osawa M,Murao T,Handa O,Umegaki E,Inoue R,Naito Y
Gut microbiota associations with diet in irritable bowel syndrome and the effect of low FODMAP diet and probiotics.
Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 4 2021 Apr
Authors Staudacher HM,Scholz M,Lomer MC,Ralph FS,Irving PM,Lindsay JO,Fava F,Tuohy K,Whelan K
Microbial dysbiosis in irritable bowel syndrome: A single-center metagenomic study in Saudi Arabia.
JGH open : an open access journal of gastroenterology and hepatology , Volume: 4 Issue: 4 2020 Aug
Authors Masoodi I,Alshanqeeti AS,Alyamani EJ,AlLehibi AA,Alqutub AN,Alsayari KN,Alomair AO
Small Intestinal Bacterial Overgrowth and Irritable Bowel Syndrome - An Update.
Frontiers in psychiatry , Volume: 11 2020
Authors Takakura W,Pimentel M
A Microbial Relationship Between Irritable Bowel Syndrome and Depressive Symptoms.
Biological research for nursing , Volume: 23 Issue: 1 2021 Jan
Authors Perez NB,Wright F,Vorderstrasse A
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
Bile Acids and Microbiome Among Individuals With Irritable Bowel Syndrome and Healthy Volunteers.
Biological research for nursing , Volume: 23 Issue: 1 2021 Jan
Authors Kamp KJ,Cain KC,Utleg A,Burr RL,Raftery D,Luna RA,Shulman RJ,Heitkemper MM
Microbial and metabolomic profiles in correlation with depression and anxiety co-morbidities in diarrhoea-predominant IBS patients.
BMC microbiology , Volume: 20 Issue: 1 2020 Jun 17
Authors Liu T,Gu X,Li LX,Li M,Li B,Cui X,Zuo XL
Parasitic infections in irritable bowel syndrome patients: evidence to propose a possible link, based on a case-control study in the south of Iran.
BMC research notes , Volume: 13 Issue: 1 2020 Jun 1
Authors Shafiei Z,Esfandiari F,Sarkari B,Rezaei Z,Fatahi MR,Hosseini Asl SMK

Risk for Irritable Bowel Syndrome in Patients with Helicobacter Pylori Infection: A Nationwide Population-Based Study Cohort Study in Taiwan.
International journal of environmental research and public health , Volume: 17 Issue: 10 2020 May 25
Authors Liang CM,Hsu CH,Chung CH,Chen CY,Wang LY,Hsu SD,Chang PK,Hong ZJ,Chien WC,Hu JM

Compositional and Functional Changes in the Gut Microbiota in Irritable Bowel Syndrome Patients.
Gut and liver , Volume: 15 Issue: 2 2021 Mar 15
Authors Lee SM,Kim N,Yoon H,Kim YS,Choi SI,Park JH,Lee DH

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

Fecal and Mucosa-Associated Intestinal Microbiota in Patients with Diarrhea-Predominant Irritable Bowel Syndrome.
Digestive diseases and sciences , Volume: 63 Issue: 7 2018 Jul
Authors Maharshak N,Ringel Y,Katibian D,Lundqvist A,Sartor RB,Carroll IM,Ringel-Kulka T

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

More than constipation - bowel symptoms in Parkinson's disease and their connection to gut microbiota.

European journal of neurology , Volume: 24 Issue: 11 2017 Nov
Authors Mertsalmi TH,Aho VTE,Pereira PAB,Paulin L,Pekkonen E,Auvinen P,Scheperjans F
Altered molecular signature of intestinal microbiota in irritable bowel syndrome patients compared with healthy controls: A systematic review and meta-analysis.
Digestive and liver disease : official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver , Volume: 49 Issue: 4 2017 Apr
Authors Liu HN,Wu H,Chen YZ,Chen YJ,Shen XZ,Liu TT
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
Post-infectious irritable bowel syndrome (PI-IBS) after infection with Shiga-like toxin-producing Escherichia coli (STEC) O104:H4: A cohort study with prospective follow-up.
United European gastroenterology journal , Volume: 4 Issue: 1 2016 Feb
Authors Andresen V,Löwe B,Broicher W,Riegel B,Fraedrich K,von Wulffen M,Gappmayer K,Wegscheider K,Treszl A,Rose M,Layer P,Lohse AW
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
Differences of microbiota in small bowel and faeces between irritable bowel syndrome patients and healthy subjects.
Scandinavian journal of gastroenterology , Volume: 51 Issue: 4 2016
Authors Chung CS,Chang PF,Liao CH,Lee TH,Chen Y,Lee YC,Wu MS,Wang HP,Ni YH
Reduction of butyrate- and methane-producing microorganisms in patients with Irritable Bowel Syndrome.
Scientific reports , Volume: 5 2015 Aug 4
Authors Pozuelo M,Panda S,Santiago A,Mendez S,Accarino A,Santos J,Guarner F,Azpiroz F,Manichanh C
Randomised clinical trial: gut microbiome biomarkers are associated with clinical response to a low FODMAP diet in children with the irritable bowel syndrome.
Alimentary pharmacology & therapeutics , Volume: 42 Issue: 4 2015 Aug
Authors Chumpitazi BP,Cope JL,Hollister EB,Tsai CM,McMeans AR,Luna RA,Versalovic J,Shulman RJ
Molecular assessment of differences in the duodenal microbiome in subjects with irritable bowel syndrome.
Scandinavian journal of gastroenterology , Volume: 50 Issue: 9 2015
Authors Giamarellos-Bourboulis E,Tang J,Pyleris E,Pistiki A,Barbatzas C,Brown J,Lee CC,Harkins TT,Kim G,Weitsman S,Barlow GM,Funari VA,Pimentel M
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
Psychometric scores and persistence of irritable bowel after Campylobacter concisus infection.
Scandinavian journal of gastroenterology , Volume: 49 Issue: 5 2014 May
Authors Nielsen HL,Engberg J,Ejlertsen T,Nielsen H
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
[The composition of the gastrointestinal mucosa-associated microbiota in irritable bowel syndrome patients].
Eksperimental'naia i klinicheskaia gastroenterologiia = Experimental & clinical gastroenterology , Issue: 3 2013
Authors Loranskaia ID,Boldyreva MN,Lavrent'eva OA
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
Association of symptoms with gastrointestinal microbiota in irritable bowel syndrome.
World journal of gastroenterology , Volume: 16 Issue: 36 2010 Sep 28
Authors Malinen E,Krogius-Kurikka L,Lyra A,Nikkilä J,Jääskeläinen A,Rinttilä T,Vilpponen-Salmela T,von Wright AJ,Palva A
Irritable bowel syndrome: a 10-yr natural history of symptoms and factors that influence consultation behavior.
The American journal of gastroenterology , Volume: 103 Issue: 5 2008 May
Authors Ford AC,Forman D,Bailey AG,Axon AT,Moayyedi P
Postinfectious irritable bowel syndrome: a long-term consequence of bacterial gastroenteritis.
Journal of food protection , Volume: 70 Issue: 7 2007 Jul
Authors Smith JL,Bayles D
Analysis of the fecal microbiota of irritable bowel syndrome patients and healthy controls with real-time PCR.
The American journal of gastroenterology , Volume: 100 Issue: 2 2005 Feb
Authors Malinen E,Rinttilä T,Kajander K,Mättö J,Kassinen A,Krogius L,Saarela M,Korpela R,Palva A
Intestinal microecology and quality of life in irritable bowel syndrome patients.
World journal of gastroenterology , Volume: 10 Issue: 12 2004 Jun 15
Authors Si JM,Yu YC,Fan YJ,Chen SJ
[Post-infectious irritable bowel syndrome. A review based on current evidence].
Revista de gastroenterologia de Mexico , Volume: 68 Issue: 1 2003 Jan-Mar
Authors Gómez-Escudero O,Schmulson-Wasserman MJ,Valdovinos-Díaz MA
Barley polysaccharides modulate metabolic and mild cognitive impairment in naturally aging mice through the liver-gut-brain axis.
International journal of biological macromolecules , 2025 May 6
Authors Fan M,Jiang Y,Cai C,Wang Z,Chen L,Zhang X,Yin H,Hu S,Liu J,Qian Z,Huang S
Inulin Modulates Gut Microbiota and Increases Short-Chain Fatty Acids Levels to Inhibit Colon Tumorigenesis in Rat Models: A Systematic Review and Meta-Analysis.
Journal of food science , Volume: 90 Issue: 5 2025 May
Authors Yu Y,He J,Fu H,Mi Y,Wu H,Gao Y,Li M
Alleviating Effect of Lactiplantibacillus plantarum HYY-S10 on Colitis in Mice Based on an Analysis of the Immune Axis in the Intestine.
Microorganisms , Volume: 13 Issue: 4 2025 Apr 7
Authors Li M,Liu X,Chen W,Xu H,Huang F,Yao Q,Jia X,Huang Y
Electrostatically assembled maghemite nanoparticles-Lactobacillus plantarum: A novel hybrid for enhanced antioxidant, antimicrobial, and antibiofilm efficacy.
Bioresource technology , 2025 Apr 12
Authors Shingade JA,Padalkar NS,Shin JH,Kim YH,Park TJ,Park JP,Patil AR
Supplemental Probiotics, Postbiotics, and Their Combination on the Growth, Slaughter Variables, Organ Development, Intestinal Morphology, and Cecal Microbiota of Broilers.

Probiotics and antimicrobial proteins , 2025 Apr 9
Authors Zhu X,Zhang X,Zhang Y,Li F
Effects of combined prebiotic fiber supplementation and weight loss counseling in adults with metabolic dysfunction-associated steatotic liver disease: a randomized controlled trial.

European journal of nutrition , Volume: 64 Issue: 4 2025 Apr 2
Authors Mayengbam S,Raman M,Parnell JA,Eksteen B,Lambert JE,Eller LK,Nicolucci AC,Aktary ML,Reimer RA
Continuous intake of galacto-oligosaccharides containing syrup contributes to maintaining the health of household cats by modulating their gut microbiota.

Bioscience of microbiota, food and health , Volume: 44 Issue: 2 2025
Authors Hokkyo A,Kakiyama S,Shiwa Y,Kaga C,Kobayashi T,Nomoto K,Harima-Mizusawa N
Alleviation effects of Lactobacillus plantarum in colitis aggravated by a high-salt diet depend on intestinal barrier protection, NF-?B pathway regulation, and oxidative stress improvement.

Food & function , 2025 Mar 20
Authors Chen Y,Liu N,Chen F,Liu M,Mu Y,Wang C,Xia L,Peng M,Zhou M
Maternal dietary inulin intake during late gestation and lactation ameliorates intestinal oxidative stress in piglets with the involvements of gut microbiota and bile acids metabolism.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 20 2025 Mar
Authors Lu D,Feng C,Pi Y,Ye H,Wu Y,Huang B,Zhao J,Han D,Soede N,Wang J
Gut microbiota modulation and inflammation mitigation in a murine model through a hull-less and purple grain barley genotype.

Food & function , 2025 Feb 25
Authors Cortijo-Alfonso ME,Laghouaouta H,Pena RN,Martínez M,Yuste S,Rubió-Piqué L,Piñol-Felis C
Effect of dietary supplementation of Bacillus subtilis QST 713 on constipation, reproductive performance and offspring growth performance of sows.

Animal reproduction science , Volume: 274 2025 Mar
Authors Li F,Wu D,Ma K,Wei T,Wu J,Zhou S,Xiang S,Zhu Z,Zhang X,Tan C,Luo H,Deng J
Inulin alleviates chronic ketamine-induced impairments in memory and prepulse inhibition by regulating the gut microbiota, inflammation, and kynurenine pathway.

International journal of biological macromolecules , Volume: 294 2025 Mar
Authors Xu Z,Lu H,Hu C,Wen Y,Shang D,Gan T,Guo Z,Dai L,Luo Y
Impact of calsporin® (Bacillus subtilis C-3102) supplementation on growth performance and intestinal function in geese.

Poultry science , Volume: 104 Issue: 2 2025 Feb
Authors Li G,Wang H,Wang X,Yang L,Xu G,He D
The probiotic Lactobacillus plantarum alleviates colitis by modulating gut microflora to activate PPAR? and inhibit MAPKs/NF-?B.

European journal of nutrition , Volume: 64 Issue: 1 2024 Nov 28
Authors Zang R,Zhou R,Li Y,Wu H,Lu L,Xu H
Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.

Antibiotics (Basel, Switzerland) , Volume: 13 Issue: 11 2024 Oct 25
Authors Gutiérrez-Fernández J,Cerezo-Collado L,Garcés V,Alarcón-Guijo P,Delgado-López JM,Dominguez-Vera JM
Supplementation with inulin reverses cognitive flexibility alterations and modulates the gut microbiota in high-fat-fed mice.

Frontiers in behavioral neuroscience , Volume: 18 2024
Authors González-Velázquez G,Aguirre-Garrido JF,Oros-Pantoja R,Salinas-Velarde ID,Contreras I,Estrada JA,Soto-Piña AE
Galacto-oligosaccharides regulate intestinal mucosal sialylation to counteract antibiotic-induced mucin dysbiosis.

Food & function , Volume: 15 Issue: 24 2024 Dec 9
Authors Xu L,Li X,Han S,Mu C,Zhu W
Phytochemicals, antioxidant, and antimicrobial activities of Opuntia stricta fruits peel.

Open veterinary journal , Volume: 14 Issue: 10 2024 Oct
Authors Affi W,Mohamed AA,Gharsallah N,Smetanska I,Zourgui L
High barley intake in non-obese individuals is associated with high natto consumption and abundance of butyrate-producing bacteria in the gut: a cross-sectional study.

Frontiers in nutrition , Volume: 11 2024
Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Murakami H,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J
Dipeptides from Lactiplantibacillus plantarum limit Pseudomonas aeruginosa pathogenesis.

Journal of applied microbiology , Volume: 135 Issue: 11 2024 Nov 4
Authors Narasimulu J,Baburajan N,Saravanan TS,Raorane CJ,Vaidyanathan VK,Ravichandran V,Rajasekharan SK
Microbiota-Focused Dietary Approaches to Support Health: A Systematic Review.

The Journal of nutrition , Volume: 155 Issue: 2 2025 Feb
Authors Hindle VK,Veasley NM,Holscher HD
Bifidogenic Effect of Human Milk Oligosaccharides on Pediatric IBD Fecal Microbiota.

Microorganisms , Volume: 12 Issue: 10 2024 Sep 30
Authors Otaru N,Bajic D,Van den Abbeele P,Vande Velde S,Van Biervliet S,Steinert RE,Rehman A
Oregano essential oil and Bacillus subtilis role in enhancing broiler's growth, stress indicators, intestinal integrity, and gene expression under high stocking density.

Scientific reports , Volume: 14 Issue: 1 2024 Oct 25
Authors Elbaz AM,El-Sonousy NK,Arafa AS,Sallam MG,Ateya A,Abdelhady AY
Effects of xylo-oligosaccharide supplementation on the production performance, intestinal morphology, cecal short-chain fatty acid levels, and gut microbiota of laying hens.

Poultry science , Volume: 103 Issue: 12 2024 Dec
Authors Xiong S,Zhang K,Wang J,Bai S,Zeng Q,Liu Y,Peng H,Xuan Y,Mu Y,Tang X,Ding X
Oral delivery of electrohydrodynamically encapsulated Lactiplantibacillus plantarum CRD7 modulates gut health, antioxidant activity, and cytokines-related inflammation and immunity in mice.

Food & function , 2024 Oct 11
Authors Varada VV,Kumar S,Balaga S,Thanippilly AJ,Pushpadass HA,M RH,Jangir BL,Tyagi N,Samanta AK
Effects of iron supplements and iron-containing micronutrient powders on the gut microbiome in Bangladeshi infants: a randomized controlled trial.

Nature communications , Volume: 15 Issue: 1 2024 Oct 5
Authors Baldi A,Braat S,Hasan MI,Bennett C,Barrios M,Jones N,Abdul Azeez I,Wilcox S,Roy PK,Bhuiyan MSA,Ataide R,Clucas D,Larson LM,Hamadani J,Zimmermann M,Bowden R,Jex A,Biggs BA,Pasricha SR
Garlic Bioconverted by Bacillus subtilis Stimulates the Intestinal Immune System and Modulates Gut Microbiota Composition.

Molecular nutrition & food research , Volume: 68 Issue: 20 2024 Oct
Authors Tonog G,Yu H,Moon SK,Lee S,Jeong H,Kim HS,Kim KB,Suh HJ,Kim H
Alginate Oligosaccharides Enhance Gut Microbiota and Intestinal Barrier Function, Alleviating Host Damage Induced by Deoxynivalenol in Mice.

The Journal of nutrition , Volume: 154 Issue: 11 2024 Nov
Authors Mi J,Tong Y,Zhang Q,Wang Q,Wang Y,Wang Y,Lin G,Ma Q,Li T,Huang S
Combination of Lactiplantibacillus Plantarum ELF051 and Astragalus Polysaccharides Improves Intestinal Barrier Function and Gut Microbiota Profiles in Mice with Antibiotic-Associated Diarrhea.

Probiotics and antimicrobial proteins , 2024 Oct 1
Authors Zhong B,Liang W,Zhao Y,Li F,Zhao Z,Gao Y,Yang G,Li S
Barley ß-glucan consumption improves glucose tolerance by increasing intestinal succinate concentrations.

NPJ science of food , Volume: 8 Issue: 1 2024 Sep 30
Authors Mio K,Goto Y,Matsuoka T,Komatsu M,Ishii C,Yang J,Kobayashi T,Aoe S,Fukuda S
Candidate-Probiotic Lactobacilli and Their Postbiotics as Health-Benefit Promoters.

Microorganisms , Volume: 12 Issue: 9 2024 Sep 19
Authors Dobreva L,Atanasova N,Donchev P,Krumova E,Abrashev R,Karakirova Y,Mladenova R,Tolchkov V,Ralchev N,Dishliyska V,Danova S
Determinants of raffinose family oligosaccharide use in Bacteroides species.

Journal of bacteriology , Volume: 206 Issue: 10 2024 Oct 24
Authors Basu A,Adams AND,Degnan PH,Vanderpool CK
Lactobacillus plantarum alleviates high-fat diet-induced obesity by altering the structure of mice intestinal microbial communities and serum metabolic profiles.

Frontiers in microbiology , Volume: 15 2024
Authors Zhu J,Liu X,Liu N,Zhao R,Wang S
In vitro and ex vivo metabolism of chemically diverse fructans by bovine rumen Bifidobacterium and Lactobacillus species.

Animal microbiome , Volume: 6 Issue: 1 2024 Sep 9
Authors King ML,Xing X,Reintjes G,Klassen L,Low KE,Alexander TW,Waldner M,Patel TR,Wade Abbott D
Differential growth enhancement followed by notable microbiota modulation in growing-finishing pigs by Bacillus subtilis strains ps4060, ps4100, and a 50:50 strain mixture.

PloS one , Volume: 19 Issue: 9 2024
Authors Song JH,Park SS,Kim IH,Cho Y
Bacillus licheniformis suppresses Clostridium perfringens infection via modulating inflammatory response, antioxidant status, inflammasome activation and microbial homeostasis in broilers.

Poultry science , Volume: 103 Issue: 11 2024 Aug 21

Authors Xiao X,Qin S,Cui T,Liu J,Wu Y,Zhong Y,Yang C

Cytotoxicity assessment and antimicrobial effects of cell-free supernatants from probiotic lactic acid bacteria and yeast against multi-drug resistant Escherichia coli.

Letters in applied microbiology , Volume: 77 Issue: 9 2024 Sep 2

Authors Ozma MA,Ghotaslou R,Asgharzadeh M,Abbasi A,Rezaee MA,Kafil HS

Effects of inulin on intestinal flora and metabolism-related indicators in obese polycystic ovary syndrome patients.

European journal of medical research , Volume: 29 Issue: 1 2024 Aug 31

Authors Li X,Jiang B,Gao T,Nian Y,Bai X,Zhong J,Qin L,Gao Z,Wang H,Ma X

Epicatechin and ß-glucan from whole highland barley grain ameliorates hyperlipidemia associated with attenuating intestinal barrier dysfunction and modulating gut microbiota in high-fat-diet-fed mice.

International journal of biological macromolecules , Volume: 278 Issue: Pt 3 2024 Oct

Authors Liu Z,Tang R,Liu J,Zhang Z,Li Y,Zhao R

Alginate Oligosaccharides Enhance Antioxidant Status and Intestinal Health by Modulating the Gut Microbiota in Weaned Piglets.

International journal of molecular sciences , Volume: 25 Issue: 15 2024 Jul 23

Authors Liu M,Deng X,Zhao Y,Everaert N,Zhang H,Xia B,Schroyen M

The alleviative effects of viable and inactive Lactobacillus paracasei CCFM1120 against alcoholic liver disease via modulation of gut microbiota and the Nrf2/HO-1 and TLR4/MyD88/NF-?B pathways.

Food & function , Volume: 15 Issue: 17 2024 Aug 27

Authors Niu B,Feng Y,Cheng X,Xiao Y,Zhao J,Lu W,Tian F,Chen W

Effects of bacteriocin-producing Lactiplantibacillus plantarum on bacterial community and fermentation profile of whole-plant corn silage and its in vitro ruminal fermentation, microbiota, and CH(4) emissions.

Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 7

Authors Li Z,Usman S,Zhang J,Zhang Y,Su R,Chen H,Li Q,Jia M,Amole TA,Guo X

Exploring the anti-inflammatory effects of postbiotic proteins from Lactobacillus delbrueckii CIDCA 133 on inflammatory bowel disease model.

International journal of biological macromolecules , Volume: 277 Issue: Pt 2 2024 Jul 26

Authors Freitas ADS,Barroso FAL,Campos GM,Américo MF,Viegas RCDS,Gomes GC,Vital KD,Fernandes SOA,Carvalho RDO,Jardin J,Miranda APGDS,Ferreira E,Martins FS,Laguna JG,Jan G,Azevedo V,de Jesus LCL

Hepatoprotective potential of four fruit extracts rich in different structural flavonoids against alcohol-induced liver injury via gut microbiota-liver axis.

Food chemistry , Volume: 460 Issue: Pt 2 2024 Dec 1

Authors Chen Y,Ma H,Liang J,Sun C,Wang D,Chen K,Zhao J,Ji S,Ma C,Ye X,Cao J,Wang Y,Sun C

Enhancing gut microbiota and microbial function with inulin supplementation in children with obesity.

International journal of obesity (2005) , 2024 Jul 20

Authors Visuthranukul C,Sriswasdi S,Tepaamorndech S,Chamni S,Leelahavanichkul A,Joyjinda Y,Aksornkitti V,Chomtho S

Effects of Lactiplantibacillus plantarum CCFM1214 and Ligilactobacillus salivarius CCFM1215 on halitosis: a double-blind, randomized controlled trial.

Food & function , 2024 Jul 19

Authors Ding L,Wang Y,Jiang Z,Tang X,Mao B,Zhao J,Chen W,Zhang Q,Cui S

Modulation of Human Gut Microbiota In Vitro by Inulin-Type Fructan from Codonopsis pilosula Roots.

Indian journal of microbiology , Volume: 64 Issue: 2 2024 Jun

Authors Li J,Cao L,Ji J,Shen M,Gao J

Apple polysaccharide improves age-matched cognitive impairment and intestinal aging through microbiota-gut-brain axis.

Scientific reports , Volume: 14 Issue: 1 2024 Jul 13

Authors Zhang W,Zhong Y,Wang Z,Tang F,Zheng C

Microencapsulated Lactobacillus plantarum promotes intestinal development through gut colonization of layer chicks.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 18 2024 Sep

Authors Cui Y,Liu Y,Yang J,Duan H,Wang P,Guo L,Guo Y,Li S,Zhao Y,Wang J,Qi G,Guan J

Indole-3-Lactic Acid Derived from Lacticaseibacillus paracasei Inhibits Helicobacter pylori Infection via Destruction of Bacteria Cells, Protection of Gastric Mucosa Epithelial Cells, and Alleviation of Inflammation.

Journal of agricultural and food chemistry , Volume: 72 Issue: 28 2024 Jul 17

Authors Yao M,Cao J,Zhang L,Wang K,Lin H,Qin L,Zhang Q,Qu C,Miao J,Xue C

Prebiotic Potential of Goji Berry (Lycium barbarum) in Improving Intestinal Integrity and Inflammatory Profiles via Modification of the Gut Microbiota in High-Fat Diet-Fed Rats.

Journal of medicinal food , Volume: 27 Issue: 8 2024 Aug

Authors Jeong E,Eun S,Chae S,Lee S

Effects of compatibility of Clostridium butyricum and Bacillus subtilis on growth performance, lipid metabolism, antioxidant

status and cecal microflora of broilers during the starter phase.
Animal bioscience , Volume: 37 Issue: 11 2024 Nov
Authors Zhao X,Zhuang J,Zhang F,Li H,Yu J,Wang C,Lv T,Li Q,Zhang J

Quercetin Alleviates Insulin Resistance and Repairs Intestinal Barrier in db/db Mice by Modulating Gut Microbiota.
Nutrients , Volume: 16 Issue: 12 2024 Jun 14
Authors Yuan M,Sun T,Zhang Y,Guo C,Wang F,Yao Z,Yu L

Lactobacillus delbrueckii Ameliorated Blood Lipids via Intestinal Microbiota Modulation and Fecal Bile Acid Excretion in a Ningxiang Pig Model.
Animals : an open access journal from MDPI , Volume: 14 Issue: 12 2024 Jun 17
Authors Hou G,Wei L,Li R,Chen F,Yin J,Huang X,Yin Y

Procyanidin B1 and Coumaric Acid from Highland Barley Alleviated High-Fat-Diet-Induced Hyperlipidemia by Regulating PPARa-Mediated Hepatic Lipid Metabolism and Gut Microbiota in Diabetic C57BL/6J Mice.
Foods (Basel, Switzerland) , Volume: 13 Issue: 12 2024 Jun 12
Authors Liu Z,Liu J,Tang R,Zhang Z,Tian S

Machine Learning Metabolomics Profiling of Dietary Interventions from a Six-Week Randomised Trial.
Metabolites , Volume: 14 Issue: 6 2024 May 29
Authors Kouraki A,Nogal A,Nocun W,Louca P,Vijay A,Wong K,Michelotti GA,Menni C,Valdes AM

Ameliorating effects of Orostachys japonica against high-fat diet-induced obesity and gut dysbiosis.
Journal of ethnopharmacology , Volume: 333 2024 Jun 21
Authors Chae YR,Lee HB,Lee YR,Yoo G,Lee E,Park M,Choi SY,Park HY

Effects of cyclic antimicrobial lipopeptides from Bacillus subtilis on growth performance, intestinal morphology, and cecal gene expression and microbiota community in broilers.
Animal science journal = Nihon chikusan Gakkaiho , Volume: 95 Issue: 1 2024 Jan-Dec
Authors Chen HW,Yu YH

3D printed scaffolds with quercetin and vitamin D3 nanocarriers: In vitro cellular evaluation.
Journal of biomedical materials research. Part A , 2024 Jun 18
Authors Bose S,Chaudhari VS,Kushram P

Lactobacillus plantarum-Derived Extracellular Vesicles Modulate Macrophage Polarization and Gut Homeostasis for Alleviating Ulcerative Colitis.
Journal of agricultural and food chemistry , Volume: 72 Issue: 26 2024 Jul 3
Authors Chen Q,Fang Z,Yang Z,Xv X,Yang M,Hou H,Li Z,Chen Y,Gong A

Lacticaseibacillus paracasei LC86 mitigates age-related muscle wasting and cognitive impairment in SAMP8 mice through gut microbiota modulation and the regulation of serum inflammatory factors.
Frontiers in nutrition , Volume: 11 2024
Authors Cai Y,Dong Y,Han M,Jin M,Liu H,Gai Z,Zou K

Prebiotic galactooligosaccharide improves piglet growth performance and intestinal health associated with alterations of the hindgut microbiota during the peri-weaning period.
Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Jun 13
Authors Boston TE,Wang F,Lin X,Kim SW,Fellner V,Scott MF,Ziegler AL,Van Landeghem L,Blikslager AT,Odle J

A host-microbial metabolite interaction gut-on-a-chip model of the adult human intestine demonstrates beneficial effects upon inulin treatment of gut microbiome.
Microbiome research reports , Volume: 3 Issue: 2 2024
Authors Donkers JM,Wiese M,van den Broek TJ,Wierenga E,Agamennone V,Schuren F,van de Steeg E

Comparative study the alleviated effects of various oligosaccharides on colitis in mice.
International immunopharmacology , Volume: 135 2024 Jun 30
Authors Wang L,Pan Y,Zhang X,Ren X

Modulation of Gut Microbial Community and Metabolism by Bacillus licheniformis HD173 Promotes the Growth of Nursery Piglets Model.
Nutrients , Volume: 16 Issue: 10 2024 May 15
Authors Li J,Tian C,Feng S,Cheng W,Tao S,Li C,Xiao Y,Wei H

Probiotics combined with atorvastatin administration in the treatment of hyperlipidemia: A randomized, double-blind, placebo-controlled clinical trial.
Medicine , Volume: 103 Issue: 21 2024 May 24
Authors Tian Y,Wu G,Zhao X,Zhang H,Ren M,Song X,Chang H,Jing Z

Elucidation of the beneficial role of co-fermented whole grain quinoa and black barley with Lactobacillus on rats fed a western-style diet via a multi-omics approach.
Food research international (Ottawa, Ont.) , Volume: 187 2024 Jul
Authors Lin ZH,Zhong LY,Jiang HB,Zhu C,Wei FF,Wu Y,Song LH

Short-term supplementation with uncoated and encapsulated Enterococcus faecium affected growth performance, gut microbiome and intestinal barrier integrity in broiler chickens.
Poultry science , Volume: 103 Issue: 7 2024 Jul
Authors Zhang Y,Liu Y,Jiao S,Wang Y,Sa R,Zhao F,Xie J

Inulin supplementation exhibits increased muscle mass via gut-muscle axis in children with obesity: double evidence from clinical and in vitro studies.
Scientific reports , Volume: 14 Issue: 1 2024 May 16
Authors Visuthranukul C,Leelahavanichkul A,Tepaamorndech S,Chamni S,Mekangkul E,Chomtho S

Impact of whole grain highland hull-less barley on the denaturing gradient gel electrophoresis profiles of gut microbial communities in rats fed high-fat diets.
Microbiology spectrum , Volume: 12 Issue: 6 2024 Jun 4
Authors Xia X,Lu J,Chen X,Zhou L,Huang Y,Ding S,Li G

The impact of bacillus pumilus TS2 isolated from yaks on growth performance, gut microbial community, antioxidant activity, and cytokines related to immunity and inflammation in broilers.
Frontiers in veterinary science , Volume: 11 2024
Authors Guo C,Liu S,Di L,Tang S

Lactobacillus delbrueckii CIDCA 133 fermented milk modulates inflammation and gut microbiota to alleviate acute colitis.
Food research international (Ottawa, Ont.) , Volume: 186 2024 Jun
Authors de Jesus LCL,Freitas ADS,Dutra JDCF,Campos GM,Américo MF,Laguna JG,Dornelas EG,Carvalho RDO,Vital KD,Fernandes SOA,Cardoso VN,de Oliveira JS,de Oliveira MFA,Faria AMC,Ferreira E,Souza RO,Martins FS,Barroso FAL,Azevedo V

A consortium of Hordeum vulgare and gut microbiota against non-alcoholic fatty liver disease via data-driven analysis.
Artificial cells, nanomedicine, and biotechnology , Volume: 52 Issue: 1 2024 Dec
Authors Lee SB,Gupta H,Min BH,Ganesan R,Sharma SP,Won SM,Jeong JJ,Cha MG,Kwon GH,Jeong MK,Hyun JY,Eom JA,Park HJ,Yoon SJ,Lee SY,Choi MR,Kim DJ,Oh KK,Suk KT

Beneficial Effects of Dietary Fiber in Young Barley Leaf on Gut Microbiota and Immunity in Mice.
Molecules (Basel, Switzerland) , Volume: 29 Issue: 8 2024 Apr 22
Authors Chudan S,Kurakawa T,Nishikawa M,Nagai Y,Tabuchi Y,Ikushiro S,Furusawa Y

Antitumor Effect and Gut Microbiota Modulation by Quercetin, Luteolin, and Xanthohumol in a Rat Model for Colorectal Cancer Prevention.
Nutrients , Volume: 16 Issue: 8 2024 Apr 13
Authors Pérez-Valero Á,Magadán-Corpas P,Ye S,Serna-Diestro J,Sordon S,Huszcza E,Poplonski J,Villar CJ,Lombó F

Functional evaluation of Bacillus licheniformis PF9 for its potential in controlling enterotoxigenic Escherichia coli in weaned piglets.
Translational animal science , Volume: 8 2024
Authors Xu H,Gong J,Lu P,Azevedo P,Li L,Yu H,Yang C

Inulin has a beneficial effect by modulating the intestinal microbiome in a BALB/c mouse model.
Beneficial microbes , Volume: 14 Issue: 4 2023 Sep 1
Authors Zhu Z,Hu C,Liu Y,Wang F,Zhu B

Enterococcus faecium supplementation prevents enteritis caused by Escherichia coli in goats.
Beneficial microbes , Volume: 14 Issue: 5 2023 Oct 30
Authors Dong J,Jiang Y,Li Z,Liu K,Guo L,Cui L,Wang H,Li J

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

Bacillus coagulans regulates gut microbiota and ameliorates the alcoholic-associated liver disease in mice.
Frontiers in microbiology , Volume: 15 2024
Authors Liu Z,Liu T,Zhang Z,Fan Y

Effects of Bacillus coagulans TBC169 on gut microbiota and metabolites in gynecological laparoscopy patients.
Frontiers in microbiology , Volume: 15 2024
Authors Gao W,Yan Y,Guan Z,Zhang J,Chen W

Effect of inulin, galacto-oligosaccharides, and polyphenols on the gut microbiota, with a focus on Akkermansia muciniphila.
Food & function , Volume: 15 Issue: 9 2024 May 7
Authors Tian R,Yu L,Tian F,Zhao J,Chen W,Zhai Q

Effects of inulin on fecal microbiota and specific immunity in cats.
Research in veterinary science , Volume: 172 2024 Jun
Authors Liang SK,Wang JQ,Han B

Bacillus subtilis HW2 enhances growth performance and alleviates gut injury via attenuation of endoplasmic reticulum

stress and regulation of gut microbiota in broilers under necrotic enteritis challenge.
Poultry science , Volume: 103 Issue: 5 2024 May
Authors Chen P,Lv H,Du M,Liu W,Che C,Zhao J,Liu H

An Inulin-Type Fructan CP-A from Codonopsis pilosula Alleviated 5-Fluorouracil-Induced Intestinal Mucositis via the ERK/MLCK/MLC2 Pathway and Regulation of Gut Microbiota.
Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 3 2024 Feb 26
Authors Zhou J,Li D,Wang J,Cheng Z,Wang C,Zhang X,Xu X,Gao J

Dose-Responsive Effects of Iron Supplementation on the Gut Microbiota in Middle-Aged Women.
Nutrients , Volume: 16 Issue: 6 2024 Mar 10
Authors Shearer J,Shah S,MacInnis MJ,Shen-Tu G,Mu C

Postbiotics from Lactobacillus delbrueckii Alleviate Intestinal Inflammation by Promoting the Expansion of Intestinal Stem Cells in S. Typhimurium-Induced Mice.
Foods (Basel, Switzerland) , Volume: 13 Issue: 6 2024 Mar 14
Authors Wang M,Ren Y,Guo X,Ye Y,Zhu H,Zhang J,Huang Z,Yu K

Inulin protects against the harmful effects of dietary emulsifiers on mice gut microbiome.
PeerJ , Volume: 12 2024
Authors Bekar C,Ozmen O,Ozkul C,Ayaz A

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

Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance.
Food & function , Volume: 15 Issue: 7 2024 Apr 2
Authors Chen J,Yin J,Xie H,Lu W,Wang H,Zhao J,Zhu J

Bacillus coagulans TCI711 Supplementation Improved Nonalcoholic Fatty Liver by Modulating Gut Microbiota: A Randomized, Placebo-Controlled, Clinical Trial.
Current developments in nutrition , Volume: 8 Issue: 3 2024 Mar
Authors Hsieh RH,Chien YJ,Lan WY,Lin YK,Lin YH,Chiang CF,Yang MT

Anti-inflammatory probiotics HF05 and HF06 synergistically alleviate ulcerative colitis and secondary liver injury.
Food & function , Volume: 15 Issue: 7 2024 Apr 2
Authors Liu C,Qi X,Liu X,Sun Y,Mao K,Shen G,Ma Y,Li Q

Prebiotic inulin ameliorates SARS-CoV-2 infection in hamsters by modulating the gut microbiome.
NPJ science of food , Volume: 8 Issue: 1 2024 Mar 14
Authors Song I,Yang J,Saito M,Hartanto T,Nakayama Y,Ichinohe T,Fukuda S

Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study.
Kidney international reports , Volume: 9 Issue: 3 2024 Mar
Authors Sohn MB,Gao B,Kendrick C,Srivastava A,Isakova T,Gassman JJ,Fried LF,Wolf M,Cheung AK,Raphael KL,Vinales PC,Middleton JP,Pabalan A,Raj DS,Pilot Studies in CKD Consortium

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

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

Lactobacillus paracasei ZFM54 alters the metabolomic profiles of yogurt and the co-fermented yogurt improves the gut microecology of human adults.
Journal of dairy science , Volume: 107 Issue: 8 2024 Aug
Authors Chen X,Zhu Z,Zhang X,Chen L,Gu Q,Li P

The differential effect of two cereal foods on gut environment: a randomized, controlled, double-blind, parallel-group study.
Frontiers in nutrition , Volume: 10 2023
Authors Yamauchi Y,Masutomi H,Ishihara K,Hartanto T,Lee CG,Fukuda S

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

Short term supplementation with cranberry extract modulates gut microbiota in human and displays a bifidogenic effect.

NPJ biofilms and microbiomes , Volume: 10 Issue: 1 2024 Mar 6
Authors Lessard-Lord J,Roussel C,Lupien-Meilleur J,Généreux P,Richard V,Guay V,Roy D,Desjardins Y
The Effect of Oral Iron Supplementation/Fortification on the Gut Microbiota in Infancy: A Systematic Review and Meta-Analysis.
Children (Basel, Switzerland) , Volume: 11 Issue: 2 2024 Feb 10
Authors Karamantziani T,Pouliakis A,Xanthos T,Ekmektzoglou K,Paliatsiou S,Sokou R,Iacovidou N
Adjunctive efficacy of Bifidobacterium animalis subsp. lactis XLTG11 for functional constipation in children.
Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 55 Issue: 2 2024 Jun
Authors Chen K,Zhou Z,Nie Y,Cao Y,Yang P,Zhang Y,Xu P,Yu Q,Shen Y,Ma W,Jin S,Liu C
Bacillus subtilis Induces Human Beta Defensin-2 Through its Lipoproteins in Human Intestinal Epithelial Cells.
Probiotics and antimicrobial proteins , 2024 Feb 20
Authors So YJ,Park OJ,Kwon Y,Im J,Lee D,Yun SH,Cho K,Yun CH,Han SH
Inulin alters gut microbiota to alleviate post-stroke depressive-like behavior associated with the IGF-1-mediated MAPK signaling pathway.
Brain and behavior , Volume: 14 Issue: 1 2024 Jan
Authors Shao R,Tan X,Pan M,Huang J,Huang L,Bi B,Huang X,Wang J,Li X
Milk to mucus: How B. fragilis colonizes the gut.
Cell host & microbe , Volume: 32 Issue: 2 2024 Feb 14
Authors Olm MR,Mueller NT
Potential mechanisms underlying inhibition of xenograft lung cancer models by kaempferol: modulation of gut microbiota in activating immune cell function.
Journal of Cancer , Volume: 15 Issue: 5 2024
Authors Guan M,Xu W,Bai H,Geng Z,Yu Z,Li H,Liu T
Dietary Lactobacillus delbrueckii Affects Ileal Bacterial Composition and Circadian Rhythms in Pigs.
Animals : an open access journal from MDPI , Volume: 14 Issue: 3 2024 Jan 26
Authors Luo W,Yin Z,Zhang M,Huang X,Yin J
Effects of Oat ß-Glucan and Inulin on Alleviation of Nonalcoholic Steatohepatitis Aggravated by Circadian Disruption in C57BL/6J Mice.
Journal of agricultural and food chemistry , Volume: 72 Issue: 7 2024 Feb 21
Authors Kei N,Cheung KK,Ma KL,Yau TK,Lauw S,Wong VWS,You L,Cheung PCK
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
Effect of Lacticaseibacillus paracasei K56 with galactooligosaccharide synbiotics on obese individuals: an in vitro fermentation model.
Journal of the science of food and agriculture , Volume: 104 Issue: 9 2024 Jul
Authors Zhang Q,Zhao W,He J,He J,Shi S,Sun M,Niu X,Zeng Z,Zhao Y,Zhang Y,Wang P,Li Y,Zhang C,Duan S,Hung WL,Wang R
Temporal gut microbiota variability and association with dietary patterns: From the one-year observational Diet, Cancer, and Health - Next Generations MAX study.
The American journal of clinical nutrition , Volume: 119 Issue: 4 2024 Apr
Authors Rostgaard-Hansen AL,Esberg A,Dicksved J,Hansen T,Pelve E,Brunius C,Halkjær J,Tjønneland A,Johansson I,Landberg R
The antioxidant strain Lactiplantibacillus plantarum AS21 and Clostridium butyricum ameliorate DSS-induced colitis in mice by remodeling the assembly of intestinal microbiota and improving gut functions.
Food & function , Volume: 15 Issue: 4 2024 Feb 19
Authors Li W,Zhang Y,Chen M,Guo X,Ding Z
Argan: Phytochemical profiling and evaluation of the antioxidant, hypoglycemic, and antibacterial properties of its fruit pulp extracts.
Heliyon , Volume: 10 Issue: 1 2024 Jan 15
Authors Alaoui A,Sahri N,Mahdi I,Fahsi N,El Herradi EH,Sobeh M
Enhancing immune response, antioxidant capacity, and gut health in growing beagles through a chitooligosaccharide diet.
Frontiers in veterinary science , Volume: 10 2023
Authors Cheng G,Hu T,Zeng Y,Yan L,Liu Y,Wang Y,Xia J,Dong H,Chen D,Cheng T,Peng G,Zhang L
Dietary supplementation with probiotics promotes weight loss by reshaping the gut microbiome and energy metabolism in obese dogs.
Microbiology spectrum , 2024 Jan 25
Authors Kang A,Kwak M-J,Lee DJ,Lee JJ,Kim MK,Song M,Lee M,Yang J,Oh S,Kim Y
Dietary Bacillus spp. supplementation to both sow and progenies improved post-weaning growth rate, gut function, and

reduce the pro-inflammatory cytokine production in weaners challenged with Escherichia coli K88.
Animal microbiome , Volume: 6 Issue: 1 2024 Jan 24
Authors Sampath V,Cho S,Jeong J,Mun S,Lee CH,Hermes RG,Taechavasonyoo A,Smeets N,Kirwan S,Han K,Kim IH
Lactobacillus plantarum attenuates glucocorticoid-induced osteoporosis by altering the composition of rat gut microbiota and serum metabolic profile.
Frontiers in immunology , Volume: 14 2023
Authors Li S,Han X,Liu N,Chang J,Liu G,Hu S
The Effect of Lactobacillus plantarum on the Fecal Microbiota, Short Chain Fatty Acids, Odorous Substances, and Blood Biochemical Indices of Cats.
Microorganisms , Volume: 12 Issue: 1 2024 Jan 2
Authors Han B,Liang S,Sun J,Tao H,Wang Z,Liu B,Wang X,Liu J,Wang J
Mechanism of Iron Ion Homeostasis in Intestinal Immunity and Gut Microbiota Remodeling.
International journal of molecular sciences , Volume: 25 Issue: 2 2024 Jan 5
Authors Bao H,Wang Y,Xiong H,Xia Y,Cui Z,Liu L
Lactic acid fermentation of goji berries (Lycium barbarum) prevents acute alcohol liver injury and modulates gut microbiota and metabolites in mice.
Food & function , Volume: 15 Issue: 3 2024 Feb 5
Authors Duan W,Zhou L,Ren Y,Liu F,Xue Y,Wang FZ,Lu R,Zhang XJ,Shi JS,Xu ZH,Geng Y
Effect of Lactobacillus plantarum ZFM4 in Helicobacter pylori-infected C57BL/6 mice: prevention is better than cure.
Frontiers in cellular and infection microbiology , Volume: 13 2023
Authors Yu YY,Wu LY,Sun X,Gu Q,Zhou QQ
Impact of Bacillus licheniformis from yaks following antibiotic therapy in mouse model.
Applied microbiology and biotechnology , Volume: 108 Issue: 1 2024 Dec
Authors Zeng Z,Gong S,Quan C,Zhou S,Kulyar MF,Iqbal M,Li Y,Li X,Li J
Dietary inulin alleviated constipation induced depression and anxiety-like behaviors: Involvement of gut microbiota and microbial metabolite short-chain fatty acid.
International journal of biological macromolecules , Volume: 259 Issue: Pt 2 2024 Feb
Authors Zou H,Gao H,Liu Y,Zhang Z,Zhao J,Wang W,Ren B,Tan X
Probiotic Bacillus licheniformis ZW3 Alleviates DSS-Induced Colitis and Enhances Gut Homeostasis.
International journal of molecular sciences , Volume: 25 Issue: 1 2024 Jan 1
Authors Jia D,Li Y,Wang Y,Guo Y,Liu J,Zhao S,Wang J,Guan G,Luo J,Yin H,Tang L,Li Y
Prospective Randomized, Double-Blind, Placebo-Controlled Study of a Standardized Oral Pomegranate Extract on the Gut Microbiome and Short-Chain Fatty Acids.
Foods (Basel, Switzerland) , Volume: 13 Issue: 1 2023 Dec 19
Authors Sivamani RK,Chakkalakal M,Pan A,Nadora D,Min M,Dumont A,Burney WA,Chambers CJ
Highland barley ß-glucan supplementation attenuated hepatic lipid accumulation in Western diet-induced non-alcoholic fatty liver disease mice by modulating gut microbiota.
Food & function , Volume: 15 Issue: 3 2024 Feb 5
Authors Liu H,Nie C,Hu X,Li J
Dietary novel alkaline protease from Bacillus licheniformis improves broiler meat nutritional value and modulates intestinal microbiota and metabolites.
Animal microbiome , Volume: 6 Issue: 1 2024 Jan 6
Authors Yi W,Liu Y,Fu S,Zhuo J,Wang J,Shan T
Mannan oligosaccharides improve the fur quality of raccoon dogs by regulating the gut microbiota.
Frontiers in microbiology , Volume: 14 2023
Authors Yuan C,Ren L,Sun R,Yun X,Zang X,Zhang A,Wu M
Integrated gut microbiome and metabolome analysis reveals the inhibition effect of Lactobacillus plantarum CBT against colorectal cancer.
Food & function , Volume: 15 Issue: 2 2024 Jan 22
Authors Chen YY,Fei F,Ding LL,Wen SY,Ren CF,Gong AH
Effects of Lactobacillus plantarum HW1 on Growth Performance, Intestinal Immune Response, Barrier Function, and Cecal Microflora of Broilers with Necrotic Enteritis.
Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 10
Authors Chen P,Lv H,Liu W,Wang Y,Zhang K,Che C,Zhao J,Liu H
Identification of inulin-responsive bacteria in the gut microbiota via multi-modal activity-based sorting.
Nature communications , Volume: 14 Issue: 1 2023 Dec 14
Authors Riva A,Rasoulimehrabani H,Cruz-Rubio JM,Schnorr SL,von Baeckmann C,Inan D,Nikolov G,Herbold CW,Hausmann B,Pjevac P,Schintlmeister A,Spittler A,Palatinszky M,Kadunic A,Hieger N,Del Favero G,von Bergen M,Jehmlich N,Watzka M,Lee

KS,Wiesenbauer J,Khadem S,Viernstein H,Stocker R,Wagner M,Kaiser C,Richter A,Kleitz F,Berry D

Effects of pomegranate (Punica granatum L.) peel on the growth performance and intestinal microbiota of broilers challenged with Escherichia coli.

Poultry science , Volume: 103 Issue: 2 2024 Feb

Authors Xu P,Wang J,Chen P,Ding H,Wang X,Li S,Fan X,Zhou Z,Shi D,Li Z,Cao S,Xiao Y

Anti-allergic effects of Ulva-derived polysaccharides, oligosaccharides and residues in a murine model of food allergy.

Heliyon , Volume: 9 Issue: 12 2023 Dec

Authors Ou JY,Wei YJ,Liu FL,Huang CH

Role of microencapsulated Lactobacillus plantarum in alleviating intestinal inflammatory damage through promoting epithelial proliferation and differentiation in layer chicks.

Frontiers in microbiology , Volume: 14 2023

Authors Cui Y,Huang P,Duan H,Song S,Gan L,Liu Z,Lin Q,Wang J,Qi G,Guan J

Bacillus coagulans prevents the decline in average daily feed intake in young piglets infected with enterotoxigenic Escherichia coli K88 by reducing intestinal injury and regulating the gut microbiota.

Frontiers in cellular and infection microbiology , Volume: 13 2023

Authors Zhang Y,Tian X,Dong Y,Li R,Shen M,Yi D,Wu T,Wang L,Zhao D,Hou Y

Prebiotic potential of green banana flour: impact on gut microbiota modulation and microbial metabolic activity in a murine model.

Frontiers in nutrition , Volume: 10 2023

Authors Baek GH,Kim YJ,Lee Y,Jung SC,Seo HW,Kim JS

Distinct Microbial Taxa Are Associated with LDL-Cholesterol Reduction after 12 Weeks of Lactobacillus plantarum Intake in Mild Hypercholesterolemia: Results of a Randomized Controlled Study.

Probiotics and antimicrobial proteins , 2023 Nov 28

Authors Kerlikowsky F,Müller M,Greupner T,Amend L,Strowig T,Hahn A

Effects of Dietary Bacillus coagulans and Tributyrin on Growth Performance, Serum Antioxidants, Intestinal Morphology, and Cecal Microbiota of Growing Yellow-Feathered Broilers.

Animals : an open access journal from MDPI , Volume: 13 Issue: 22 2023 Nov 15

Authors Hou J,Lian L,Lu L,Gu T,Zeng T,Chen L,Xu W,Li G,Wu H,Tian Y

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

Inulin prebiotic ameliorates type 1 diabetes dictating regulatory T cell homing via CCR4 to pancreatic islets and butyrogenic gut microbiota in murine model.

Journal of leukocyte biology , Volume: 115 Issue: 3 2024 Feb 23

Authors Guimarães JB,Rodrigues VF,Pereira ÍS,Manso GMDC,Elias-Oliveira J,Leite JA,Waldetario MCGM,de Oliveira S,Gomes ABDSP,Faria AMC,Ramos SG,Bonato VLD,Silva JS,Vinolo MAR,Sampaio UM,Clerici MTPS,Carlos D

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

Gut microbiota and metabolic modulation by supplementation of polysaccharide-producing Bacillus licheniformis from Tibetan Yaks: A comprehensive multi-omics analysis.

International journal of biological macromolecules , Volume: 254 Issue: Pt 2 2024 Jan

Authors Zeng Z,Quan C,Zhou S,Gong S,Iqbal M,Kulyar MF,Nawaz S,Li K,Li J

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

Uncovering the promising role of grape pomace as a modulator of the gut microbiome: An in-depth review.

Heliyon , Volume: 9 Issue: 10 2023 Oct

Authors Sinrod AJG,Shah IM,Surek E,Barile D

Differential effects of plant-based flours on metabolic homeostasis and the gut microbiota in high-fat fed rats.

Nutrition & metabolism , Volume: 20 Issue: 1 2023 Oct 19

Authors Martinez TM,Wachsmuth HR,Meyer RK,Weninger SN,Lane AI,Kangath A,Schiro G,Laubitz D,Stern JH,Duca FA

Phlorizin Mitigates Dextran Sulfate Sodium-Induced Colitis in Mice by Modulating Gut Microbiota and Inhibiting Ferroptosis.

Journal of agricultural and food chemistry , 2023 Oct 19

Authors Cheng J,Liu D,Huang Y,Chen L,Li Y,Yang Z,Fu S,Hu G

Pectic oligosaccharides ameliorate high-fat diet-induced obesity and hepatic steatosis in association with modulating gut

microbiota in mice.

Food & function , Volume: 14 Issue: 21 2023 Oct 30

Authors Yu S,Wang H,Cui L,Wang J,Zhang Z,Wu Z,Lin X,He N,Zou Y,Li S

Effect of grape pomace supplement on growth performance, gastrointestinal microbiota, and methane production in Tan lambs.

Frontiers in microbiology , Volume: 14 2023

Authors Cheng X,Du X,Liang Y,Degen AA,Wu X,Ji K,Gao Q,Xin G,Cong H,Yang G

Whole-Grain Highland Barley Attenuates Atherosclerosis Associated with NLRP3 Inflammasome Pathway and Gut Microbiota in ApoE(-/-) Mice.

Nutrients , Volume: 15 Issue: 19 2023 Sep 28

Authors Wu T,Yu Q,Luo Y,Dai Z,Zhang Y,Wang C,Shen Q,Xue Y

Biological activities, therapeutic potential, and pharmacological aspects of blackcurrants (Ribes nigrum L): A comprehensive review.

Food science & nutrition , Volume: 11 Issue: 10 2023 Oct

Authors Ejaz A,Waliat S,Afzaal M,Saeed F,Ahmad A,Din A,Ateeq H,Asghar A,Shah YA,Rafi A,Khan MR

Butyrogenic, bifidogenic and slight anti-inflammatory effects of a green kiwifruit powder (Kiwi FFG®) in a human gastrointestinal model simulating mild constipation.

Food research international (Ottawa, Ont.) , Volume: 173 Issue: Pt 2 2023 Nov

Authors Goya-Jorge E,Bondue P,Gonza I,Laforêt F,Antoine C,Boutaleb S,Douny C,Scippo ML,de Ribaucourt JC,Crahay F,Delcenserie V

Antiultraviolet, Antioxidant, and Antimicrobial Properties and Anticancer Potential of Novel Environmentally Friendly Amide-Modified Gallic Acid Derivatives.

Journal of agricultural and food chemistry , 2023 Oct 6

Authors Wang X,Cong J,Zhang L,Han Z,Jiang X,Yu L

Highland barley attenuates high fat and cholesterol diet induced hyperlipidemia in mice revealed by 16S rRNA gene sequencing and untargeted metabolomics.

Life sciences , Volume: 334 2023 Dec 1

Authors Li X,Wang L

Apple consumption affects cecal health by regulating 12S-hydroxy-5Z,8Z,10E,14Z-eicosatetraenoic acid (12(S)-HETE) levels through modifying the microbiota in rats.

Food & function , Volume: 14 Issue: 20 2023 Oct 16

Authors Wang C,Liu XL,Sun Q,Zhao FY,Dai PQ,Li LX,Hu DG

Diet and gut microbial associations in irritable bowel syndrome according to disease subtype.

Gut microbes , Volume: 15 Issue: 2 2023 Dec

Authors Wang Y,Ma W,Mehta R,Nguyen LH,Song M,Drew DA,Asnicar F,Huttenhower C,Segata N,Wolf J,Spector T,Berry S,Staller K,Chan AT

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

Frontiers in microbiology , Volume: 14 2023

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

Effects of Dietary Bacillus subtilis HC6 on Growth Performance, Antioxidant Capacity, Immunity, and Intestinal Health in Broilers.

Animals : an open access journal from MDPI , Volume: 13 Issue: 18 2023 Sep 14

Authors Liu S,Xiao G,Wang Q,Zhang Q,Tian J,Li W,Gong L

Enterococcus faecium C171: Modulating the Immune Response to Acute Lethal Viral Challenge.

International journal of antimicrobial agents , Volume: 62 Issue: 5 2023 Nov

Authors Mi J,He T,Hu X,Wang Z,Wang T,Qi X,Li K,Gao L,Liu C,Zhang Y,Wang S,Qiu Y,Liu Z,Song J,Wang X,Gao Y,Cui H

Combined oral intake of short and long fructans alters the gut microbiota in food allergy model mice and contributes to food allergy prevention.

BMC microbiology , Volume: 23 Issue: 1 2023 Sep 22

Authors Takahashi H,Fujii T,Yamakawa S,Yamada C,Fujiki K,Kondo N,Funasaka K,Hirooka Y,Tochio T

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

Mannan oligosaccharides selenium ameliorates intestinal mucosal barrier, and regulate intestinal microbiota to prevent Enterotoxigenic Escherichia coli -induced diarrhea in weaned piglets.

Ecotoxicology and environmental safety , Volume: 264 2023 Oct 1

Authors Zha A,Tu R,Qi M,Wang J,Tan B,Liao P,Wu C,Yin Y

Microbial modifications with Lycium barbarum L. oligosaccharides decrease hepatic fibrosis and mitochondrial abnormalities in mice.

Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 120 2023 Nov

Authors Zhang Z,Lu W,Liu P,Li M,Ge X,Yu B,Wu Z,Liu G,Ding N,Cui B,Chen X

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

Lactobacillus paracasei AH2 isolated from Chinese sourdough alleviated gluten-induced food allergy through modulating gut microbiota and promoting short-chain fatty acid accumulation in a BALB/c mouse model.

Journal of the science of food and agriculture , Volume: 104 Issue: 2 2024 Jan 30

Authors Chen C,Liu C,Mu K,Xue W

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W,Ji G,Zhang L

Bifidobacterium animalis subsp. lactis HN019 has antimicrobial activity against endodontic pathogens in vitro.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , 2023 Aug 26

Authors Araujo LDC,da Silva RAB,Silva CMPC,Salvador SLS,Messora MR,Furlaneto FAC,Mastrange MDA,Pucinelli CM,da Silva LAB

The Effects of Bacillus subtilis QST713 and β-mannanase on growth performance, intestinal barrier function, and the gut microbiota in weaned piglets.

Journal of animal science , Volume: 101 2023 Jan 3

Authors Liu J,Ma X,Zhuo Y,Xu S,Hua L,Li J,Feng B,Fang Z,Jiang X,Che L,Zhu Z,Lin Y,Wu D

Effect of an Enteroprotective Complementary Feed on Faecal Markers of Inflammation and Intestinal Microbiota Composition in Weaning Puppies.

Veterinary sciences , Volume: 10 Issue: 7 2023 Jul 3

Authors Meineri G,Cocolin L,Morelli G,Schievano C,Atuahene D,Ferrocino I

Protective Effects of Bacillus subtilis HH2 against Oral Enterotoxigenic Escherichia coli in Beagles.

Veterinary sciences , Volume: 10 Issue: 7 2023 Jul 3

Authors Yang J,Zhang X,Zhou Z,Li C,Luo R,Liu H,Fu H,Zhong Z,Shen L,Cao S,Luo Y,Li D,Peng G

Alterations of gut microbiome and metabolism induced by inulin associated with weight loss in obese female mice.

International journal of food sciences and nutrition , Volume: 74 Issue: 5 2023 Sep

Authors Wu Z,Zhang M,Deng Y,Zhou G,Yang M,Wang H

The anti-hyperlipidemic effect and underlying mechanisms of barley (Hordeum vulgare L.) grass polysaccharides in mice induced by a high-fat diet.

Food & function , 2023 Jul 14

Authors Yan JK,Chen TT,Li LQ,Liu F,Liu X,Li L

Bile Acids and Short-Chain Fatty Acids Are Modulated after Onion and Apple Consumption in Obese Zucker Rats.

Nutrients , Volume: 15 Issue: 13 2023 Jul 5

Authors Balderas C,de Ancos B,Sánchez-Moreno C

Physicochemical, Rheological, and Sensory Characteristics of Yogurt Fermented by Lactic Acid Bacteria with Probiotic Potential and Bioprotective Properties.

Foods (Basel, Switzerland) , Volume: 12 Issue: 13 2023 Jun 29

Authors Hoxha R,Evstatieva Y,Nikolova D

Bacillus coagulans MZY531 alleviates intestinal mucosal injury in immunosuppressive mice via modulating intestinal barrier, inflammatory response, and gut microbiota.

Scientific reports , Volume: 13 Issue: 1 2023 Jul 10

Authors Zhao Z,Sun M,Cui X,Chen J,Liu C,Zhang X

Cell-free supernatant of probiotic bacteria exerted antibiofilm and antibacterial activities against Pseudomonas aeruginosa: A novel biotic therapy.

Frontiers in pharmacology , Volume: 14 2023

Authors Drumond MM,Tapia-Costa AP,Neumann E,Nunes ÁC,Barbosa JW,Kassuha DE,Mancha-Agresti P

Goat and cow milk differ in altering the microbiota composition and neurotransmitter levels in insomnia mouse models.

Food & function , Volume: 14 Issue: 14 2023 Jul 17
Authors Mo L,Jing H,Du X,Zhao C,Lin Y,Li J,Wang H
Effect of Probiotic Yogurt Supplementation(Bifidobacterium animalis ssp. lactis BB-12) on Gut Microbiota of Female Taekwondo Athletes and Its Relationship with Exercise-Related Psychological Fatigue.

Microorganisms , Volume: 11 Issue: 6 2023 May 26
Authors Zhu J,Zhu Y,Song G
Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.

The Journal of nutrition , 2023 Jun 20
Authors Eudy BJ,Odle J,Lin X,Maltecca C,Walter KR,McNulty NP,Fellner V,Jacobi SK
Probiotic modulation of gut microbiota by Bacillus coagulans MTCC 5856 in healthy subjects: A randomized, double-blind, placebo-control study.

Medicine , Volume: 102 Issue: 20 2023 May 19
Authors Majeed M,Nagabhushanam K,Mundkur L,Paulose S,Divakar H,Rao S,Arumugam S
Crosstalk between dietary pomegranate and gut microbiota: evidence of health benefits.

Critical reviews in food science and nutrition , 2023 Jun 19
Authors Yin Y,Martínez R,Zhang W,Estévez M
Effects of liposoluble components of highland barley spent grains on physiological indexes, intestinal microorganisms, and the liver transcriptome in mice fed a high-fat diet.

Food science & nutrition , Volume: 11 Issue: 6 2023 Jun
Authors Zhang J,Luo Y,Feng S,Sun W,Li S,Kong L
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
Characteristic Gut Bacteria in High Barley Consuming Japanese Individuals without Hypertension.

Microorganisms , Volume: 11 Issue: 5 2023 May 9
Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Nishimura M,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J
In vitro simulated fecal fermentation of mixed grains on short-chain fatty acid generation and its metabolized mechanism.

Food research international (Ottawa, Ont.) , Volume: 170 2023 Aug
Authors Xu L,Yu Q,Ma L,Su T,Zhang D,Yao D,Li Z
A gluten degrading probiotic Bacillus subtilis LZU-GM relieve adverse effect of gluten additive food and balances gut microbiota in mice.

Food research international (Ottawa, Ont.) , Volume: 170 2023 Aug
Authors Khan A,Li S,Han H,Jin WL,Ling Z,Ji J,Iram S,Liu P,Xiao S,Salama ES,Li X
Engineered Bacillus subtilis alleviates intestinal oxidative injury through Nrf2-Keap1 pathway in enterotoxigenic Escherichia coli (ETEC) K88-infected piglet.

Journal of Zhejiang University. Science. B , Volume: 24 Issue: 6 2023 Jun 15
Authors Wen C,Zhang H,Guo Q,Duan Y,Chen S,Han M,Li F,Jin M,Wang Y
Bacillus coagulans (Weizmannia coagulans) XY2 attenuates Cu-induced oxidative stress via DAF-16/FoxO and SKN-1/Nrf2 pathways and gut microbiota regulation.

Journal of hazardous materials , Volume: 457 2023 Sep 5
Authors Gao Y,Yu T,Wu Y,Huang X,Teng J,Zhao N,Zheng X,Yan F
Bacillus amyloliquefaciens alleviates the pathological injuries in mice infected with Schistosoma japonicum by modulating intestinal microbiome.

Frontiers in cellular and infection microbiology , Volume: 13 2023
Authors Chen H,Sun R,Wang J,Yao S,Batool SS,Yu Z,Huang S,Huang J
Comparison of the Effects of Enzymolysis Seaweed Powder and Saccharomyces boulardii on Intestinal Health and Microbiota Composition in Kittens.

Metabolites , Volume: 13 Issue: 5 2023 May 8
Authors Zhang M,Mo R,Li M,Qu Y,Wang H,Liu T,Liu P,Wu Y
Dietary Supplementation of Brevibacillus laterosporus S62-9 Improves Broiler Growth and Immunity by Regulating Cecal Microbiota and Metabolites.

Probiotics and antimicrobial proteins , 2023 May 22
Authors Zhi T,Ma A,Liu X,Chen Z,Li S,Jia Y
Supplementation with inulin-type fructans affects gut microbiota and attenuates some of the cardiometabolic benefits of a plant-based diet in individuals with overweight or obesity.

Frontiers in nutrition , Volume: 10 2023

Authors Aldubayan MA,Mao X,Laursen MF,Pigsborg K,Christensen LH,Roager HM,Nielsen DS,Hjorth MF,Magkos F

Microencapsulation of Lactobacillus plantarum MB001 and its probiotic effect on growth performance, cecal microbiome and gut integrity of broiler chickens in a tropical climate.

Animal bioscience , Volume: 36 Issue: 8 2023 Aug

Authors Vimon S,Angkanaporn K,Nuengjamnong C

Prevention of High-Fat-Diet-Induced Dyslipidemia by Lactobacillus plantarum LP104 through Mediating Bile Acid Enterohepatic Axis Circulation and Intestinal Flora.

Journal of agricultural and food chemistry , Volume: 71 Issue: 19 2023 May 17

Authors Wang Y,Xing X,Ma Y,Fan Y,Zhang Y,Nan B,Li X,Wang Y,Liu J

Bacillus licheniformis reverses the environmental ceftriaxone sodium-induced gut microbial dysbiosis and intestinal inflammation in mice.

Ecotoxicology and environmental safety , Volume: 257 2023 Jun 1

Authors Zeng Z,Yue W,Kined C,Wang P,Liu R,Liu J,Chen X

Lactobacillus plantarum CCFM405 against Rotenone-Induced Parkinson's Disease Mice via Regulating Gut Microbiota and Branched-Chain Amino Acids Biosynthesis.

Nutrients , Volume: 15 Issue: 7 2023 Apr 1

Authors Chu C,Yu L,Li Y,Guo H,Zhai Q,Chen W,Tian F

Dried Fruits: Bioactives, Effects on Gut Microbiota, and Possible Health Benefits-An Update.

Nutrients , Volume: 15 Issue: 7 2023 Mar 26

Authors Alasalvar C,Chang SK,Kris-Etherton PM,Sullivan VK,Petersen KS,Guasch-Ferré M,Jenkins DJA

Neuroprotective Effects of Lactobacillus plantarum PS128 in a Mouse Model of Parkinson's Disease: The Role of Gut Microbiota and MicroRNAs.

International journal of molecular sciences , Volume: 24 Issue: 7 2023 Apr 5

Authors Lee YZ,Cheng SH,Chang MY,Lin YF,Wu CC,Tsai YC

Psychobiotic Lactobacillus plantarum JYLP-326 relieves anxiety, depression, and insomnia symptoms in test anxious college via modulating the gut microbiota and its metabolism.

Frontiers in immunology , Volume: 14 2023

Authors Zhu R,Fang Y,Li H,Liu Y,Wei J,Zhang S,Wang L,Fan R,Wang L,Li S,Chen T

Effects of an inulin fiber diet on the gut microbiome, colon, and inflammatory biomarkers in aged mice.

Experimental gerontology , Volume: 176 2023 Jun 1

Authors Hutchinson NT,Wang SS,Rund LA,Caetano-Silva ME,Allen JM,Johnson RW,Woods JA

Effects of Pomegranate Peel Polyphenols Combined with Inulin on Gut Microbiota and Serum Metabolites of High-Fat-Induced Obesity Rats.

Journal of agricultural and food chemistry , Volume: 71 Issue: 14 2023 Apr 12

Authors Shi H,Li X,Hou C,Chen L,Zhang Y,Li J

Lactobacillus plantarum ZJ316 alleviates ulcerative colitis by inhibiting inflammation and regulating short-chain fatty acid levels and the gut microbiota in a mouse model.

Food & function , Volume: 14 Issue: 9 2023 May 11

Authors Gu Q,Xia C,Liu N,Chen Z,Zhou Q,Li P

Antimicrobial and immunoregulatory effects of Lactobacillus delbrueckii 45E against genitourinary pathogens.

Journal of biomedical science , Volume: 30 Issue: 1 2023 Mar 23

Authors Bnfaga AA,Lee KW,Than LTL,Amin-Nordin S

Effects of fermented soybean meal supplementation on the growth performance and apparent total tract digestibility by modulating the gut microbiome of weaned piglets.

Scientific reports , Volume: 13 Issue: 1 2023 Mar 6

Authors Muniyappan M,Shanmugam S,Park JH,Han K,Kim IH

Lactobacillus plantarum HF02 alleviates lipid accumulation and intestinal microbiota dysbiosis in high-fat diet-induced obese mice.

Journal of the science of food and agriculture , Volume: 103 Issue: 9 2023 Jul

Authors Chen H,Zhao H,Qi X,Sun Y,Ma Y,Li Q

Goji berry leaf exerts a comparable effect against colitis and microbiota dysbiosis to its fruit in dextran-sulfate-sodium-treated mice.

Food & function , Volume: 14 Issue: 7 2023 Apr 3

Authors Yu C,Chen Y,Ahmadi S,Wu D,Wu J,Ding T,Liu D,Ye X,Chen S,Pan H

Dietary Bacillus licheniformis shapes the foregut microbiota, improving nutrient digestibility and intestinal health in broiler chickens.

Frontiers in microbiology , Volume: 14 2023

Authors Han Y,Xu X,Wang J,Cai H,Li D,Zhang H,Yang P,Meng K

Identification and characterization of the causative agents of Focal Ulcerative Dermatitis in commercial laying hens.
Frontiers in veterinary science , Volume: 10 2023
Authors Ayala DI,Grum DS,Evans NP,Russo KN,Kimminau EA,Trible BR,Lahoti MM,Novak CL,Karnezos TP

Dietary Administration of Black Raspberries and Arsenic Exposure: Changes in the Gut Microbiota and Its Functional Metabolites.
Metabolites , Volume: 13 Issue: 2 2023 Jan 30
Authors Tu P,Tang Q,Mo Z,Niu H,Hu Y,Wu L,Chen Z,Wang X,Gao B

Dietary Supplementation with Probiotic Bacillus licheniformis S6 Improves Intestinal Integrity via Modulating Intestinal Barrier Function and Microbial Diversity in Weaned Piglets.
Biology , Volume: 12 Issue: 2 2023 Feb 2
Authors Sun W,Chen W,Meng K,Cai L,Li G,Li X,Jiang X

Efficacy of incremental loads of cow's milk as a treatment for lactose malabsorption in Japan.
World journal of clinical cases , Volume: 11 Issue: 4 2023 Feb 6
Authors Hasegawa M,Okada K,Nagata S,Sugihara S

Effects of kiwi fruit (Actinidia chinensis) polysaccharides on metabolites and gut microbiota of acrylamide-induced mice.
Frontiers in nutrition , Volume: 10 2023
Authors Chen M,Chen X,Wang K,Cai L,Liu N,Zhou D,Jia W,Gong P,Liu N,Sun Y

Intestinal microbial composition changes induced by Lactobacillus plantarum GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.
Journal of animal science and technology , Volume: 64 Issue: 6 2022 Nov
Authors Yu DY,Oh SH,Kim IS,Kim GI,Kim JA,Moon YS,Jang JC,Lee SS,Jung JH,Park J,Cho KK

The Dietary Fermentable Fiber Inulin Alters the Intestinal Microbiome and Improves Chronic Kidney Disease Mineral-Bone Disorder in a Rat Model of CKD.
bioRxiv : the preprint server for biology , 2023 Jan 31
Authors Biruete A,Chen NX,Metzger CE,Srinivasan S,Oâ Neill K,Fallen PB,Fonseca A,Wilson HE,de Loor H,Evenepoel P,Swanson KS,Allen MR,Moe SM

Inulin supplementation prior to mild traumatic brain injury mitigates gut dysbiosis, and brain vascular and white matter deficits in mice.
Frontiers in microbiomes , Volume: 1 2022
Authors Yanckello LM,Chang YH,Sun M,Chlipala G,Green SJ,Lei Z,Ericsson AC,Xing X,Hammond TC,Bachstetter AD,Lin AL

The effect of Bacillus subtilis and its delivery route on hatch and growth performance, blood biochemistry, immune status, gut morphology, and microbiota of broiler chickens.
Poultry science , Volume: 102 Issue: 4 2023 Apr
Authors Oladokun S,Adewole D

Lactobacillus plantarum ZJUIDS14 alleviates non-alcoholic fatty liver disease in mice in association with modulation in the gut microbiota.
Frontiers in nutrition , Volume: 9 2022
Authors Cao F,Ding Q,Zhuge H,Lai S,Chang K,Le C,Yang G,Valencak TG,Li S,Ren D

Modulatory Effect of Fermented Black Soybean and Adlay on Gut Microbiota Contributes to Healthy Aging.
Molecular nutrition & food research , Volume: 67 Issue: 5 2023 Mar
Authors Koh YC,Kuo LH,Chang YY,Tung YC,Lo YC,Pan MH

The high dose of inulin exacerbated food allergy through the excess accumulation of short-chain fatty acids in a BABL/c mouse model.
International journal of biological macromolecules , Volume: 230 2023 Mar 1
Authors Xie Q,Mu K,Chen C,Gu S,Luo D,Fu W,Xue W

Bacillus amyloliquefaciens 40 regulates piglet performance, antioxidant capacity, immune status and gut microbiota.
Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar
Authors Jiang Z,Su W,Li W,Wen C,Du S,He H,Zhang Y,Gong T,Wang X,Wang Y,Jin M,Lu Z

Impact of Saccharomyces boulardii CNCM I-745 on Bacterial Overgrowth and Composition of Intestinal Microbiota in Diarrhea-Predominant Irritable Bowel Syndrome Patients: Results of a Randomized Pilot Study.
Digestive diseases (Basel, Switzerland) , Volume: 41 Issue: 5 2023
Authors Bustos Fernández LM,Man F,Lasa JS

Cranberry-lingonberry juice affects the gut and urinary microbiome in children - a randomized controlled trial.
APMIS : acta pathologica, microbiologica, et immunologica Scandinavica , Volume: 131 Issue: 3 2023 Mar
Authors Hakkola M,Vehviläinen P,Muotka J,Tejesvi MV,Pokka T,Vähäsarja P,Hanni AM,Renko M,Uhari M,Salo J,Tapiainen T

Inulin intervention attenuates hepatic steatosis in rats via modulating gut microbiota and maintaining intestinal barrier function.
Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Yang Z,Su H,Lv Y,Tao H,Jiang Y,Ni Z,Peng L,Chen X

Diet-rich in wheat bran modulates tryptophan metabolism and AhR/IL-22 signalling mediated metabolic health and gut dysbacteriosis: A novel prebiotic-like activity of wheat bran.

Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan

Authors Yan T,Shi L,Liu T,Zhang X,Yang M,Peng W,Sun X,Yan L,Dai X,Yang X

The administration of Enterococcus faecium SF68 counteracts compositional shifts in the gut microbiota of diet-induced obese mice.

Frontiers in microbiology , Volume: 13 2022

Authors Panattoni A,Calvigioni M,Benvenuti L,D`Antongiovanni V,Pellegrini C,Di Salvo C,Mazzantini D,Celandroni F,Fornai M,Antonioli L,Ghelardi E

Quercetin alleviates intestinal inflammation and improves intestinal functions via modulating gut microbiota composition in LPS-challenged laying hens.

Poultry science , Volume: 102 Issue: 3 2023 Mar

Authors Feng J,Li Z,Ma H,Yue Y,Hao K,Li J,Xiang Y,Min Y

Effects of a Saccharomyces cerevisiae fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.

Journal of animal science , 2022 Dec 27

Authors Oba PM,Carroll MQ,Sieja KM,Nogueira JPS,Yang X,Epp TY,Warzecha CM,Varney JL,Fowler JW,Coon CN,Swanson KS

Dietary Supplementation with Black Raspberries Altered the Gut Microbiome Composition in a Mouse Model of Colitis-Associated Colorectal Cancer, although with Differing Effects for a Healthy versus a Western Basal Diet.

Nutrients , Volume: 14 Issue: 24 2022 Dec 10

Authors Rodriguez DM,Hintze KJ,Rompato G,Wettere AJV,Ward RE,Phatak S,Neal C,Armbrust T,Stewart EC,Thomas AJ,Benninghoff AD

Influence of Dietary Inulin on Fecal Microbiota, Cardiometabolic Risk Factors, Eicosanoids, and Oxidative Stress in Rats Fed a High-Fat Diet.

Foods (Basel, Switzerland) , Volume: 11 Issue: 24 2022 Dec 16

Authors Miralles-Pérez B,Nogués MR,Sánchez-Martos V,Fortuño-Mar À,Ramos-Romero S,Torres JL,Ponomarenko J,Amézqueta S,Zhang X,Romeu M

Effects of a Specific Pre- and Probiotic Combination and Parent Stock Vaccination on Performance and Bacterial Communities in Broilers Challenged with a Multidrug-Resistant Escherichia coli.

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 12 2022 Nov 26

Authors Fuhrmann L,Zentek J,Vahjen W,Günther R,Saliu EM

Effects of highland barley ß-glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice on a high-fat diet.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 107 2023 Mar

Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C

Empire Apple (Malus domestica) Juice, Pomace, and Pulp Modulate Intestinal Functionality, Morphology, and Bacterial Populations In Vivo (Gallus gallus).

Nutrients , Volume: 14 Issue: 23 2022 Nov 22

Authors Jackson C,Shukla V,Kolba N,Agarwal N,Padilla-Zakour OI,Tako E

The effects of Saccharomyces boulardii on rat colonic hypermotility induced by repeated water avoidance stress and the potential mechanism.

PeerJ , Volume: 10 2022

Authors Liu J,Ren H,Yuan F,Shao M,Luo H

Assessment of the Gut Microbiota during Juice Fasting with and without Inulin Supplementation: A Feasibility Study in Healthy Volunteers.

Foods (Basel, Switzerland) , Volume: 11 Issue: 22 2022 Nov 16

Authors Thriene K,Stanislas V,Amend L,Strowig T,Michels KB

The Effects of Dietary Bacillus amyloliquefaciens TL106 Supplementation, as an Alternative to Antibiotics, on Growth Performance, Intestinal Immunity, Epithelial Barrier Integrity, and Intestinal Microbiota in Broilers.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 9

Authors Bao C,Zhang W,Wang J,Liu Y,Cao H,Li F,Liu S,Shang Z,Cao Y,Dong B

Enterococcus faecium GEFA01 alleviates hypercholesterolemia by promoting reverse cholesterol transportation via modulating the gut microbiota-SCFA axis.

Frontiers in nutrition , Volume: 9 2022

Authors Xu W,Zou K,Zhan Y,Cai Y,Zhang Z,Tao X,Qiu L,Wei H

Investigation of Immunostimulatory Effects of Heat-Treated Lactiplantibacillus plantarum LM1004 and Its Underlying Molecular Mechanism.

Food science of animal resources , Volume: 42 Issue: 6 2022 Nov
Authors Bae WY,Jung WH,Shin SL,Kwon S,Sohn M,Kim TR
Response of gut microbiota and ileal transcriptome to inulin intervention in HFD induced obese mice.

International journal of biological macromolecules , Volume: 225 2023 Jan 15
Authors Zhang H,Zhang Y,Mu T,Cao J,Liu X,Yang X,Ren D,Zhao K
Bacillus amyloliquefaciens SC06 in the diet improves egg quality of hens by altering intestinal microbiota and the effect is diminished by antimicrobial peptide.

Frontiers in nutrition , Volume: 9 2022
Authors Xu S,Wang F,Zou P,Li X,Jin Q,Wang Q,Wang B,Zhou Y,Tang L,Yu D,Li W
Diets enriched with finely ground wheat bran alter digesta passage rate and composition of the gut microbiome in sows.

Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 12 2023 Mar
Authors Wang Z,Wang W,Xu S,Ding J,Zeng X,Liu H,Wang F
Plant-Derived Lactobacillus paracasei IJH-SONE68 Improves the Gut Microbiota Associated with Hepatic Disorders: A Randomized, Double-Blind, and Placebo-Controlled Clinical Trial.

Nutrients , Volume: 14 Issue: 21 2022 Oct 26
Authors Danshiitsoodol N,Noda M,Kanno K,Uchida T,Sugiyama M
Postbiotics Prepared Using Lactobacillus paracasei CCFM1224 Prevent Nonalcoholic Fatty Liver Disease by Modulating the Gut Microbiota and Liver Metabolism.

International journal of molecular sciences , Volume: 23 Issue: 21 2022 Nov 4
Authors Pan Z,Mao B,Zhang Q,Tang X,Yang B,Zhao J,Cui S,Zhang H
Effects of Bacillus subtilis BSNK-5-Fermented Soymilk on the Gut Microbiota by In Vitro Fecal Fermentation.

Foods (Basel, Switzerland) , Volume: 11 Issue: 21 2022 Nov 3
Authors Gao Y,Hou L,Hu M,Li D,Tian Z,Wen W,Fan B,Li S,Wang F
Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.

Diagnostics (Basel, Switzerland) , Volume: 12 Issue: 11 2022 Nov 9
Authors Lee KS,Kim ES
Effects of Proteases from Pineapple and Papaya on Protein Digestive Capacity and Gut Microbiota in Healthy C57BL/6 Mice and Dose-Manner Response on Mucosal Permeability in Human Reconstructed Intestinal 3D Tissue Model.

Metabolites , Volume: 12 Issue: 11 2022 Oct 26
Authors Kostiuchenko O,Kravchenko N,Markus J,Burleigh S,Fedkiv O,Cao L,Letasiova S,Skibo G,Fåk Hållenius F,Prykhodko O
Structural Insights into Amelioration Effects of Quercetin and Its Glycoside Derivatives on NAFLD in Mice by Modulating the Gut Microbiota and Host Metabolism.

Journal of agricultural and food chemistry , Volume: 70 Issue: 46 2022 Nov 23
Authors Shi Z,Zhang C,Lei H,Chen C,Cao Z,Song Y,Chen G,Wu F,Zhou J,Lu Y,Zhang L
Molecular actions of different functional oligosaccharides on intestinal integrity, immune function and microbial community in weanling pigs.

Food & function , Volume: 13 Issue: 23 2022 Nov 28
Authors Gao H,Sun F,Lin G,Guo Y,Zhao J
Co-fermented yellow wine lees by Bacillus subtilis and Enterococcus faecium regulates growth performance and gut microbiota in finishing pigs.

Frontiers in microbiology , Volume: 13 2022
Authors Zhang Y,Wang C,Su W,Jiang Z,He H,Gong T,Kai L,Xu H,Wang Y,Lu Z
Baseline gut microbial profiles are associated with the efficacy of Bacillus subtilis and Enterococcus faecium in IBS-D.

Scandinavian journal of gastroenterology , Volume: 58 Issue: 4 2023 Apr
Authors Hong G,Li Y,Yang M,Li G,Jin Y,Xiong H,Qian W,Hou X
Jerusalem artichoke inulin supplementation ameliorates hepatic lipid metabolism in type 2 diabetes mellitus mice by modulating the gut microbiota and fecal metabolome.

Food & function , Volume: 13 Issue: 22 2022 Nov 14
Authors Li J,Jia S,Yuan C,Yu B,Zhang Z,Zhao M,Liu P,Li X,Cui B
Effect of fruit intake on functional constipation: A systematic review and meta-analysis of randomized and crossover studies.

Frontiers in nutrition , Volume: 9 2022
Authors Huo J,Wu L,Lv J,Cao H,Gao Q
Effects of iron deficiency and iron supplementation at the host-microbiota interface: Could a piglet model unravel complexities of the underlying mechanisms?

Frontiers in nutrition , Volume: 9 2022
Authors Abbas M,Hayirli Z,Drakesmith H,Andrews SC,Lewis MC
Lactobacillus delbrueckii might lower serum triglyceride levels via colonic microbiota modulation and SCFA-mediated fat metabolism in parenteral tissues of growing-finishing pigs.

Frontiers in veterinary science , Volume: 9 2022
Authors Hou G,Yin J,Wei L,Li R,Peng W,Yuan Y,Huang X,Yin Y
Inulin accelerates weight loss in obese mice by regulating gut microbiota and serum metabolites.
Frontiers in nutrition , Volume: 9 2022
Authors Wu Z,Du Z,Tian Y,Liu M,Zhu K,Zhao Y,Wang H
Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF-?B pathway mediated by gut microbiota disturbance in obese dogs.
Research in veterinary science , Volume: 152 2022 Dec 20
Authors Lu J,Zhu D,Lu J,Liu J,Wu Z,Liu L
Role of a probiotic strain in the modulation of gut microbiota and cytokines in inflammatory bowel disease.
Anaerobe , Volume: 78 2022 Dec
Authors Bamola VD,Dubey D,Samanta P,Kedia S,Ahuja V,Madempudi RS,Neelamraju J,Chaudhry R
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
Synbiotic microencapsulation of Enterococcus faecium Rp1: a potential probiotic isolated from ragi porridge with antiproliferative property against colon carcinoma cell line.
Journal of food science and technology , Volume: 59 Issue: 10 2022 Oct
Authors Ashwanandhini G,Reshma R,Preetha R
Lactobacillus plantarum ST-III modulates abnormal behavior and gut microbiota in a mouse model of autism spectrum disorder.
Physiology & behavior , Volume: 257 2022 Dec 1
Authors Guo M,Li R,Wang Y,Ma S,Zhang Y,Li S,Zhang H,Liu Z,You C,Zheng H
Gut Microbes Are Associated with the Vascular Beneficial Effects of Dietary Strawberry on Metabolic Syndrome-Induced Vascular Inflammation.
Molecular nutrition & food research , Volume: 66 Issue: 22 2022 Nov
Authors Miller JC,Satheesh Babu AK,Petersen C,Wankhade UD,Robeson MS 2nd,Putich MN,Mueller JE,O'Farrell AS,Cho JM,Chintapalli SV,Jalili T,Symons JD,Anandh Babu PV
Comparing the Effects of Concord Grape (Vitis labrusca L.) Puree, Juice, and Pomace on Intestinal Morphology, Functionality, and Bacterial Populations In Vivo (Gallus gallus).
Nutrients , Volume: 14 Issue: 17 2022 Aug 27
Authors Agarwal N,Shukla V,Kolba N,Jackson C,Cheng J,Padilla-Zakour OI,Tako E
Impact of Clarified Apple Juices with Different Processing Methods on Gut Microbiota and Metabolomics of Rats.
Nutrients , Volume: 14 Issue: 17 2022 Aug 25
Authors Xu L,Yang S,Wang K,Lu A,Wang X,Xu Z
Metabologenomic Approach Reveals Intestinal Environmental Features Associated with Barley-Induced Glucose Tolerance Improvements in Japanese: A Randomized Controlled Trial.
Nutrients , Volume: 14 Issue: 17 2022 Aug 24
Authors Goto Y,Nishimoto Y,Murakami S,Nomaguchi T,Mori Y,Ito M,Nakaguro R,Kudo T,Matsuoka T,Yamada T,Kobayashi T,Fukuda S
Bacillus subtilis M6 improves intestinal barrier, antioxidant capacity and gut microbial composition in AA broiler.
Frontiers in nutrition , Volume: 9 2022
Authors Ji L,Zhang L,Liu H,Shen J,Zhang Y,Lu L,Zhang X,Ma X
Milk fat globule membrane supplementation to obese rats during pregnancy and lactation promotes neurodevelopment in offspring via modulating gut microbiota.
Frontiers in nutrition , Volume: 9 2022
Authors Yuan Q,Gong H,Du M,Li T,Mao X
Effects of Bacillus subtilis natto JLCC513 on gut microbiota and intestinal barrier function in obese rats.
Journal of applied microbiology , Volume: 133 Issue: 6 2022 Dec
Authors Sun R,Niu H,Sun M,Miao X,Jin X,Xu X,Yanping C,Mei H,Wang J,Da L,Su Y
Different effects of Bacillus coagulans vegetative cells and spore isolates on constipation-induced gut microbiota dysbiosis in mice.
Food & function , Volume: 13 Issue: 18 2022 Sep 22
Authors Li L,Liu B,Cao J,Zhang H,Tian F,Yu L,Chen W,Zhai Q
Chicken Gut Microbiota Responses to Dietary Bacillus subtilis Probiotic in the Presence and Absence of Eimeria Infection.
Microorganisms , Volume: 10 Issue: 8 2022 Jul 31
Authors Memon FU,Yang Y,Zhang G,Leghari IH,Lv F,Wang Y,Laghari F,Khushk FA,Si H

Regulation of a High-Iron Diet on Lipid Metabolism and Gut Microbiota in Mice.
Animals : an open access journal from MDPI , Volume: 12 Issue: 16 2022 Aug 13
Authors Xiong Q,Zhao J,Tian C,Ma W,Miao L,Liang L,Zhang K,Du H

Bacillus subtilis-Fermented Products Ameliorate the Growth Performance, Alleviate Intestinal Inflammatory Gene Expression, and Modulate Cecal Microbiota Community in Broilers during the Starter Phase under Dextran Sulfate Sodium Challenge.
The journal of poultry science , Volume: 59 Issue: 3 2022 Jul 25
Authors Chen JY,Yu YH

Modified highland barley regulates lipid metabolism, liver inflammation and gut microbiota in high-fat/cholesterol diet mice as revealed by LC-MS based metabonomics.
Food & function , Volume: 13 Issue: 17 2022 Aug 30
Authors Li X,Du Y,Zhang C,Tu Z,Wang L

Bacillus coagulans in Combination with Chitooligosaccharides Regulates Gut Microbiota and Ameliorates the DSS-Induced Colitis in Mice.
Microbiology spectrum , Volume: 10 Issue: 4 2022 Aug 31
Authors Liu Z,Jiang Z,Zhang Z,Liu T,Fan Y,Liu T,Peng N

Dietary Goji Shapes the Gut Microbiota to Prevent the Liver Injury Induced by Acute Alcohol Intake.
Frontiers in nutrition , Volume: 9 2022
Authors Guo L,Guan Q,Duan W,Ren Y,Zhang XJ,Xu HY,Shi JS,Wang FZ,Lu R,Zhang HL,Xu ZH,Li H,Geng Y

Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.
Frontiers in nutrition , Volume: 9 2022
Authors Ma Y,Fei Y,Han X,Liu G,Fang J

Effect of chicory-derived inulin-type fructans on abundance of Bifidobacterium and on bowel function: a systematic review with meta-analyses.
Critical reviews in food science and nutrition , Volume: 63 Issue: 33 2023 Nov
Authors Nagy DU,Sándor-Bajusz KA,Bódy B,Decsi T,Van Harsselaar J,Theis S,Lohner S

Identification of Nordic Berries with Beneficial Effects on Cognitive Outcomes and Gut Microbiota in High-Fat-Fed Middle-Aged C57BL/6J Mice.
Nutrients , Volume: 14 Issue: 13 2022 Jun 30
Authors Huang F,Marungruang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållenius FF,Heyman-Lindén L

The regulatory effect of fermented black barley on the gut microbiota and metabolic dysbiosis in mice exposed to cigarette smoke.
Food research international (Ottawa, Ont.) , Volume: 157 2022 Jul
Authors Zhong L,Qin L,Ding X,Ma L,Wang Y,Liu M,Chen H,Yan H,Song L

Regulatory Effect of Lactiplantibacillus plantarum 2-33 on Intestinal Microbiota of Mice With Antibiotic-Associated Diarrhea.
Frontiers in nutrition , Volume: 9 2022
Authors Bao W,He Y,Yu J,Liu M,Yang X,Ta N,Zhang E,Liang C

Effects of Lactobacillus curvatus HY7601 and Lactobacillus plantarum KY1032 on Overweight and the Gut Microbiota in Humans: Randomized, Double-Blinded, Placebo-Controlled Clinical Trial.
Nutrients , Volume: 14 Issue: 12 2022 Jun 15
Authors Mo SJ,Lee K,Hong HJ,Hong DK,Jung SH,Park SD,Shim JJ,Lee JL

A Novel Probiotic Bacillus subtilis Strain Confers Cytoprotection to Host Pig Intestinal Epithelial Cells during Enterotoxic Escherichia coli Infection.
Microbiology spectrum , Volume: 10 Issue: 4 2022 Aug 31
Authors Sudan S,Zhan X,Li J

Lactobacillus plantarum FRT4 alleviated obesity by modulating gut microbiota and liver metabolome in high-fat diet-induced obese mice.
Food & nutrition research , Volume: 66 2022
Authors Cai H,Wen Z,Zhao L,Yu D,Meng K,Yang P

Effect of dietary Bacillus coagulans on the performance and intestinal microbiota of weaned piglets.
Animal : an international journal of animal bioscience , Volume: 16 Issue: 7 2022 Jul
Authors Sun T,Miao H,Zhang C,Wang Y,Liu S,Jiao P,Li W,Li Y,Huang Z

In vitro Intervention of Lactobacillus paracasei N1115 Can Alter Fecal Microbiota and Their SCFAs Metabolism of Pregnant Women with Constipation and Diarrhea.
Current microbiology , Volume: 79 Issue: 7 2022 Jun 7
Authors Dang C,Zhao K,Xun Y,Feng L,Zhang D,Cui L,Cui Y,Jia X,Wang S

The Probiotic Lactobacillus paracasei Ameliorates Diarrhea Cause by Escherichia coli O(8) via Gut Microbiota Modulation(1).
Frontiers in nutrition , Volume: 9 2022

Authors Ren S,Wang C,Chen A,Lv W,Gao R

Combination of Houttuynia cordata polysaccharide and Lactiplantibacillus plantarum P101 alleviates acute liver injury by regulating gut microbiota in mice.

Journal of the science of food and agriculture , Volume: 102 Issue: 15 2022 Dec

Authors Xu X,Liu S,Zhao Y,Wang M,Hu L,Li W,Xu H

Pomegranate juice alters the microbiota in breast milk and infant stool: a pilot study.

Food & function , Volume: 13 Issue: 10 2022 May 23

Authors Henning SM,Yang J,Lee RP,Huang J,Thames G,Korn M,Ben-Nissan D,Heber D,Li Z

Pomegranate peel polyphenols interaction with intestinal flora and its metabolic transformation.

Xenobiotica; the fate of foreign compounds in biological systems , Volume: 52 Issue: 5 2022 May

Authors Shi H,Yang J,Li J

The Protective Effects of Inulin-Type Fructans Against High-Fat/Sucrose Diet-Induced Gestational Diabetes Mice in Association With Gut Microbiota Regulation.

Frontiers in microbiology , Volume: 13 2022

Authors Miao M,Wang Q,Wang X,Fan C,Luan T,Yan L,Zhang Y,Zeng X,Dai Y,Li P

Bacillus amyloliquefaciens SC06 alleviates the obesity of ob/ob mice and improves their intestinal microbiota and bile acid metabolism.

Food & function , Volume: 13 Issue: 9 2022 May 10

Authors Zeng Z,Zhou Y,Xu Y,Wang S,Wang B,Zeng Z,Wang Q,Ye X,Jin L,Yue M,Tang L,Zou P,Zhao P,Li W

Effect of Enterococcus faecium NCIMB 10415 on Gut Barrier Function, Internal Redox State, Proinflammatory Response and Pathogen Inhibition Properties in Porcine Intestinal Epithelial Cells.

Nutrients , Volume: 14 Issue: 7 2022 Apr 2

Authors Palkovicsné Pézsa N,Kovács D,Gálfi P,Rácz B,Farkas O

Classification of the Occurrence of Dyslipidemia Based on Gut Bacteria Related to Barley Intake.

Frontiers in nutrition , Volume: 9 2022

Authors Maruyama S,Matsuoka T,Hosomi K,Park J,Nishimura M,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Ooka T,Yamagata Z,Kunisawa J

A novel Lactobacillus bulgaricus isolate can maintain the intestinal health, improve the growth performance and reduce the colonization of E. coli O157:H7 in broilers.

British poultry science , Volume: 63 Issue: 5 2022 Oct

Authors Xiang L,Ying Z,Xue M,Xiaoxian P,Xiaorong L,Chunyang L,Yu W,Mingcheng L,Binxian L

Intestinal Mucosal Immunity-Mediated Modulation of the Gut Microbiome by Oral Delivery of Enterococcus faecium Against Salmonella Enteritidis Pathogenesis in a Laying Hen Model.

Frontiers in immunology , Volume: 13 2022

Authors Huang S,Rong X,Liu M,Liang Z,Geng Y,Wang X,Zhang J,Ji C,Zhao L,Ma Q

Effect of barley straw and Egyptian clover hay on the rumen fermentation and structure and fibrolytic activities of rumen bacteria in dromedary camel.

Veterinary world , Volume: 15 Issue: 1 2022 Jan

Authors Rabee AE

Green Banana Flour Contributes to Gut Microbiota Recovery and Improves Colonic Barrier Integrity in Mice Following Antibiotic Perturbation.

Frontiers in nutrition , Volume: 9 2022

Authors Li P,Li M,Song Y,Huang X,Wu T,Xu ZZ,Lu H

In vitro evaluation of probiotic properties of lactic acid bacteria isolated from the vagina of yak (Bos grunniens).

PeerJ , Volume: 10 2022

Authors Zhang Q,Pan Y,Wang M,Sun L,Xi Y,Li M,Zeng Q

Effects of the potential probiotic Bacillus subtilis D1-2 on growth, digestion, immunity and intestinal flora in juvenile sea cucumber, Apostichopus japonicus.

Fish & shellfish immunology , Volume: 124 2022 May

Authors Wang M,Lv C,Chen Y,Bi X,Yang D,Zhao J

Bacillus subtilis WB800N alleviates diabetic wounds in mice by regulating gut microbiota homeostasis and TLR2.

Journal of applied microbiology , Volume: 133 Issue: 2 2022 Aug

Authors Mi J,Xie C,Zeng L,Zhu Z,Chen N,He Q,Xu X,Xie H,Zhou J,Li L,Liao J

Relationships between barley consumption and gut microbiome characteristics in a healthy Japanese population: a cross-sectional study.

BMC nutrition , Volume: 8 Issue: 1 2022 Mar 14

Authors Matsuoka T,Hosomi K,Park J,Goto Y,Nishimura M,Maruyama S,Murakami H,Konishi K,Miyachi M,Kawashima H,Mizuguchi K,Kobayashi T,Yokomichi H,Kunisawa J,Yamagata Z

Effect of Dietary Bacillus licheniformis Supplementation on Growth Performance and Microbiota Diversity of Pekin Ducks.

Frontiers in veterinary science , Volume: 9 2022

Authors Li L,Lv X,Han X,Sun C,An K,Gao W,Xia Z

An Integrative Multiomics Approach to Characterize Prebiotic Inulin Effects on Faecalibacterium prausnitzii.

Frontiers in bioengineering and biotechnology , Volume: 10 2022

Authors Park JH,Song WS,Lee J,Jo SH,Lee JS,Jeon HJ,Kwon JE,Kim YR,Baek JH,Kim MG,Yang YH,Kim BG,Kim YG

Effects of Live Combined Bacillus subtilis and Enterococcus faecium on Gut Microbiota Composition in C57BL/6 Mice and in Humans.

Frontiers in cellular and infection microbiology , Volume: 12 2022

Authors Pi X,Teng W,Fei D,Zhao G,Liu W

Bacillus subtilis inhibits intestinal inflammation and oxidative stress by regulating gut flora and related metabolites in laying hens.

Animal : an international journal of animal bioscience , Volume: 16 Issue: 3 2022 Mar

Authors Zou XY,Zhang M,Tu WJ,Zhang Q,Jin ML,Fang RD,Jiang S

Beneficial Effects of Partly Milled Highland Barley on the Prevention of High-Fat Diet-Induced Glycometabolic Disorder and the Modulation of Gut Microbiota in Mice.

Nutrients , Volume: 14 Issue: 4 2022 Feb 11

Authors Li S,Wang M,Li C,Meng Q,Meng Y,Ying J,Bai S,Shen Q,Xue Y

Gallic Acid Alleviates Gut Dysfunction and Boosts Immune and Antioxidant Activities in Puppies Under Environmental Stress Based on Microbiome-Metabolomics Analysis.

Frontiers in immunology , Volume: 12 2021

Authors Yang K,Deng X,Jian S,Zhang M,Wen C,Xin Z,Zhang L,Tong A,Ye S,Liao P,Xiao Z,He S,Zhang F,Deng J,Zhang L,Deng B

Effects of Bacillus amyloliquefaciens TL106 Isolated from Tibetan Pigs on Probiotic Potential and Intestinal Microbes in Weaned Piglets.

Microbiology spectrum , Volume: 10 Issue: 1 2022 Jan 26

Authors Du H,Yao W,Kulyar MF,Ding Y,Zhu H,Pan H,Li K,Bhutta ZA,Liu S,Li J

Bifidobacterium bifidum Shows More Diversified Ways of Relieving Non-Alcoholic Fatty Liver Compared with Bifidobacterium adolescentis.

Biomedicines , Volume: 10 Issue: 1 2021 Dec 31

Authors Wang L,Jiao T,Yu Q,Wang J,Wang L,Wang G,Zhang H,Zhao J,Chen W

Dietary Supplementation with Goji Berries (Lycium barbarum) Modulates the Microbiota of Digestive Tract and Caecal Metabolites in Rabbits.

Animals : an open access journal from MDPI , Volume: 12 Issue: 1 2022 Jan 5

Authors Cremonesi P,Curone G,Biscarini F,Cotozzolo E,Menchetti L,Riva F,Marongiu ML,Castiglioni B,Barbato O,Munga A,Castrica M,Vigo D,Sulce M,Quattrone A,Agradi S,Brecchia G

A Synbiotic Formulation Comprising Bacillus subtilis DSM 32315 and L-Alanyl-L-Glutamine Improves Intestinal Butyrate Levels and Lipid Metabolism in Healthy Humans.

Nutrients , Volume: 14 Issue: 1 2021 Dec 29

Authors Tom Dieck H,Schön C,Wagner T,Pankoke HC,Fluegel M,Speckmann B

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

Dietary supplementation with low-dose xylooligosaccharide promotes the anti-Salmonella activity of probiotic Lactiplantibacillus plantarum ZS2058 in a murine model.

Food research international (Ottawa, Ont.) , Volume: 151 2022 Jan

Authors Liu J,Li X,Song F,Cui S,Lu W,Zhao J,Zhang H,Gu Z,Chen W

Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.

Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec

Authors Amadieu C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne NM,Leclercq S

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

Antiadhesive, antibiofilm and dispersion activity of biosurfactants isolated from Bacillus amyloliquefaciens 3/22.

Ceska a Slovenska farmacie : casopis Ceske farmaceuticke spolecnosti a Slovenske farmaceuticke spolecnosti ,

Volume: 70 Issue: 5 2021 Fall
Authors Englerová K,Nemcová R,Bedlovicová Z,Styková E
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
Saccharomyces boulardii Combined With Quadruple Therapy for *Helicobacter pylori* Eradication Decreased the Duration and Severity of Diarrhea: A Multi-Center Prospective Randomized Controlled Trial.
Frontiers in medicine , Volume: 8 2021
Authors Zhao Y,Yang Y,Aruna,Xiao J,Song J,Huang T,Li S,Kou J,Huang L,Ji D,Xiong S,Peng W,Xu S,Cheng B
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
Lactobacillus plantarum ZJUFB2 Prevents High Fat Diet-Induced Insulin Resistance in Association With Modulation of the Gut Microbiota.
Frontiers in nutrition , Volume: 8 2021
Authors Zhong H,Wang J,Abdullah,Hafeez MA,Guan R,Feng F
Inulin-grown Faecalibacterium prausnitzii cross-feeds fructose to the human intestinal epithelium.
Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec
Authors Fagundes RR,Bourgonje AR,Saeed A,Vich Vila A,Plomp N,Blokzijl T,Sadaghian Sadabad M,von Martels JZH,van Leeuwen SS,Weersma RK,Dijkstra G,Harmsen HJM,Faber KN
Protective Effects of *Bacillus amyloliquefaciens* 40 Against *Clostridium perfringens* Infection in Mice.
Frontiers in nutrition , Volume: 8 2021
Authors Jiang Z,Li W,Su W,Wen C,Gong T,Zhang Y,Wang Y,Jin M,Lu Z
Chitooligosaccahrides: Digestion characterization and effect of the degree of polymerization on gut microorganisms to manage the metabolome functional diversity in vitro.
Carbohydrate polymers , Volume: 275 2022 Jan 1
Authors Ji X,Zhu L,Chang K,Zhang R,Chen Y,Yin H,Jin J,Zhao L
Lactobacillus plantarum CCFM1143 Alleviates Chronic Diarrhea *via* Inflammation Regulation and Gut Microbiota Modulation: A Double-Blind, Randomized, Placebo-Controlled Study.
Frontiers in immunology , Volume: 12 2021
Authors Yang B,Yue Y,Chen Y,Ding M,Li B,Wang L,Wang Q,Stanton C,Ross RP,Zhao J,Zhang H,Chen W
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
Alleviation Effects of *Bifidobacterium animalis* subsp. *lactis* XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.
Microorganisms , Volume: 9 Issue: 10 2021 Oct 3
Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B
Supplementation with *Lactiplantibacillus plantarum* IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.
International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16
Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C
Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces *Enterobacteriaceae* Family Abundance and Elevates Propionate in a Bioreactor Model.
Frontiers in microbiology , Volume: 12 2021
Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J
Influence of Diet on the Effect of the Probiotic Lactobacillus paracasei in Rats Suffering From Allergic Asthma.
Frontiers in microbiology , Volume: 12 2021
Authors Xie A,Song J,Lu S,Liu Y,Tang L,Wen S

Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.
Microbiology spectrum , 2021 Oct 6
Authors Liu A,Ma T,Xu N,Jin H,Zhao F,Kwok LY,Zhang H,Zhang S,Sun Z

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

Oral iron supplementation after antibiotic exposure induces a deleterious recovery of the gut microbiota.
BMC microbiology , Volume: 21 Issue: 1 2021 Sep 28
Authors Cuisiniere T,Calvé A,Fragoso G,Oliero M,Hajjar R,Gonzalez E,Santos MM

Prebiotic Inulin Supplementation and Peripheral Insulin Sensitivity in adults at Elevated Risk for Type 2 Diabetes: A Pilot Randomized Controlled Trial.
Nutrients , Volume: 13 Issue: 9 2021 Sep 17
Authors Mitchell CM,Davy BM,Ponder MA,McMillan RP,Hughes MD,Hulver MW,Neilson AP,Davy KP

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

Short-Chain Inulin Modulates the Cecal Microbiota Structure of Leptin Knockout Mice in High-Fat Diet.
Frontiers in microbiology , Volume: 12 2021
Authors Feng Y,Feng J,Wang L,Meng A,Wei S,Cui J,Hu X,Yan L

The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.
Advances in nutrition (Bethesda, Md.) , 2021 Sep 23
Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD

Selenium-Enriched *Lactobacillus acidophilus* Ameliorates Dextran Sulfate Sodium-Induced Chronic Colitis in Mice by Regulating Inflammatory Cytokines and Intestinal Microbiota.
Frontiers in medicine , Volume: 8 2021
Authors Wu Z,Pan D,Jiang M,Sang L,Chang B

Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.
Journal of the science of food and agriculture , Volume: 102 Issue: 5 2022 Mar 30
Authors Song H,Shen X,Chu Q,Zheng X

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

Inulin-type prebiotics reduce serum uric acid levels via gut microbiota modulation: a randomized, controlled crossover trial in peritoneal dialysis patients.
European journal of nutrition , Volume: 61 Issue: 2 2022 Mar
Authors He S,Xiong Q,Tian C,Li L,Zhao J,Lin X,Guo X,He Y,Liang W,Zuo X,Ying C

Effects of Dietary Supplementation of Lactobacillus delbrueckii on Gut Microbiome and Intestinal Morphology in Weaned Piglets.
Frontiers in veterinary science , Volume: 8 2021
Authors Wang XL,Liu ZY,Li YH,Yang LY,Yin J,He JH,Hou DX,Liu YL,Huang XG

Quercetin modulates the gut microbiota as well as the metabolome in a rat model of osteoarthritis.
Bioengineered , Volume: 12 Issue: 1 2021 Dec
Authors Lan H,Hong W,Qian D,Peng F,Li H,Liang C,Du M,Gu J,Mai J,Bai B,Peng G

Effects of Bacillus subtilis on jejunal integrity, redox status, and microbial composition of intrauterine growth restriction suckling piglets.
Journal of animal science , Volume: 99 Issue: 10 2021 Oct 1
Authors Yun Y,Ji S,Yu G,Jia P,Niu Y,Zhang H,Zhang X,Wang T,Zhang L

Lactobacillus paracasei S16 Alleviates Lumbar Disc Herniation by Modulating Inflammation Response and Gut Microbiota.
Frontiers in nutrition , Volume: 8 2021
Authors Wang Z,Wu H,Chen Y,Chen H,Wang X,Yuan W

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

A Novel Sprouted Oat Fermented Beverage: Evaluation of Safety and Health Benefits for Celiac Individuals.
Nutrients , Volume: 13 Issue: 8 2021 Jul 23

Authors Aparicio-García N,Martínez-Villaluenga C,Frias J,Crespo Perez L,Fernández CF,Alba C,Rodríguez JM,Peñas E
Dietary Inulin Regulated Gut Microbiota and Improved Neonatal Health in a Pregnant Sow Model.
Frontiers in nutrition , Volume: 8 2021
Authors Li H,Ma L,Zhang L,Liu N,Li Z,Zhang F,Liu X,Ma X
Kaempferol Alleviates Murine Experimental Colitis by Restoring Gut Microbiota and Inhibiting the LPS-TLR4-NF-?B Axis.
Frontiers in immunology , Volume: 12 2021
Authors Qu Y,Li X,Xu F,Zhao S,Wu X,Wang Y,Xie J
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
Effect of the use of probiotic Bacillus subtilis (QST 713) as a growth promoter in broilers: an alternative to bacitracin methylene disalicylate.
Poultry science , Volume: 100 Issue: 9 2021 Sep
Authors Rivera-Pérez W,Barquero-Calvo E,Chaves AJ
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
Dietary Supplementation with Inulin Modulates the Gut Microbiota and Improves Insulin Sensitivity in Prediabetes.
International journal of endocrinology , Volume: 2021 2021
Authors Wang X,Wang T,Zhang Q,Xu L,Xiao X
Cranberry (Vaccinium macrocarpon) dietary supplementation and fecal microbiota of Wistar rats.
AIMS microbiology , Volume: 7 Issue: 2 2021
Authors Chettaoui R,Mayot G,De Almeida L,Di Martino P
Promiscuous *Pseudomonas*: Uptake of Non-Endogenous Ligands for Iron Acquisition.
Tetrahedron letters , Volume: 75 2021 Jul 6
Authors Kaplan AR,Wuest WM
Punicic acid ameliorates obesity and liver steatosis by regulating gut microbiota composition in mice.
Food & function , 2021 Jul 9
Authors Yuan G,Tan M,Chen X
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
Evaluation of the Cholesterol-Lowering Mechanism of Enterococcus faecium Strain 132 and Lactobacillus paracasei Strain 201 in Hypercholesterolemia Rats.
Nutrients , Volume: 13 Issue: 6 2021 Jun 9
Authors Yang L,Xie X,Li Y,Wu L,Fan C,Liang T,Xi Y,Yang S,Li H,Zhang J,Ding Y,Xue L,Chen M,Wang J,Wu Q
Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.
International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 25
Authors Steimle A,Neumann M,Grant ET,Turner JD,Desai MS
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
Imbalanced dietary intake alters the colonic microbial profile in growing rats.
PloS one , Volume: 16 Issue: 6 2021
Authors Jung TH,Han KS
Effects of *Bacillus amyloliquefaciens* Instead of Antibiotics on Growth Performance, Intestinal Health, and Intestinal Microbiota of Broilers.
Frontiers in veterinary science , Volume: 8 2021
Authors Wang B,Zhou Y,Tang L,Zeng Z,Gong L,Wu Y,Li WF
Lactic acid production ability of *Lactobacillus* sp. from four tropical fruits using their by-products as carbon source.
Heliyon , Volume: 7 Issue: 5 2021 May
Authors Ngouénam JR,Momo Kenfack CH,Foko Kouam EM,Kaktcham PM,Maharjan R,Ngoufack FZ
Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.

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

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

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 BioPlus YC Probiotic Supplementation on Gut Microbiota, Production Performance, Carcass and Meat Quality of Pigs.

Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 28

Authors Rybarczyk A,Boguslawska-Was E,Dlubala A

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

Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.

Nutrients , Volume: 13 Issue: 5 2021 May 20

Authors Milton-Laskibar I,Marcos-Zambrano LJ,Gómez-Zorita S,Fernández-Quintela A,Carrillo de Santa Pau E,Martínez JA,Portillo MP

Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation.

The British journal of nutrition , Volume: 127 Issue: 3 2022 Feb 14

Authors Labussière E,Achard C,Dubois S,Combes S,Castex M,Renaudeau D

Different *Bifidobacterium bifidum* strains change the intestinal flora composition of mice *via* different mechanisms to alleviate loperamide-induced constipation.

Food & function , 2021 May 26

Authors Chai M,Wang L,Li X,Zhao J,Zhang H,Wang G,Chen W

Effects of Bacillus Coagulans on growth performance, antioxidant capacity, immunity function, and gut health in broilers.

Poultry science , Volume: 100 Issue: 6 2021 Mar 27

Authors Zhang B,Zhang H,Yu Y,Zhang R,Wu Y,Yue M,Yang C

Effect of Fermented Products Produced by Bacillus licheniformis on the Growth Performance and Cecal Microbial Community of Broilers under Coccidial Challenge.

Animals : an open access journal from MDPI , Volume: 11 Issue: 5 2021 Apr 26

Authors Cheng YH,Horng YB,Chen WJ,Hua KF,Dybus A,Yu YH

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

Effects of Bifidobacterium animalis ssp. lactis 420 on gastrointestinal inflammation induced by a non-steroidal anti-inflammatory drug: a randomized, placebo-controlled, double-blind clinical trial.

British journal of clinical pharmacology , 2021 Apr 27

Authors Mäkelä SM,Forssten SD,Kailajärvi M,Langén VL,Scheinin M,Tiihonen K,Ouwehand AC

Preventive Effects of Bacillus licheniformis on Heat Stroke in Rats by Sustaining Intestinal Barrier Function and Modulating Gut Microbiota.

Frontiers in microbiology , Volume: 12 2021

Authors Li L,Wang M,Chen J,Xu Z,Wang S,Xia X,Liu D,Wang S,Xie C,Wu J,Li J,Zhang J,Wang M,Zhu J,Ling C,Xu S

Bacillus subtilis BSH has a protective effect on Salmonella infection by regulating the intestinal flora structure in chickens.

Microbial pathogenesis , Volume: 155 2021 Jun

Authors Xing JH,Zhao W,Li QY,Yang GL,Zhang RR,Chen HL,Li Y,Wang D,Shi CW,Huang HB,Zhao DD,Jiang YL,Wang JZ,Kang

YH,Cao X,Zeng Y,Yang WT,Wang CF

Cloudy Apple Juice Fermented by *Lactobacillus* Prevents Obesity via Modulating Gut Microbiota and Protecting Intestinal Tract Health.

Nutrients , Volume: 13 Issue: 3 2021 Mar 17

Authors Han M,Zhang M,Wang X,Bai X,Yue T,Gao Z

A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial.

Nutrients , Volume: 13 Issue: 4 2021 Mar 27

Authors Barnett MPG,Young W,Armstrong K,Brewster D,Cooney JM,Ellett S,Espley RV,Laing W,Maclean P,McGhie T,Pringle G,Roy NC,Ferguson LR

Ingestion of High ß-Glucan Barley Flour Enhances the Intestinal Immune System of Diet-Induced Obese Mice by Prebiotic Effects.

Nutrients , Volume: 13 Issue: 3 2021 Mar 11

Authors Mio K,Otake N,Nakashima S,Matsuoka T,Aoe S

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

Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of the Serum Fatty Acid Species and Gut Microbiota Profile.

Journal of agricultural and food chemistry , Volume: 69 Issue: 12 2021 Mar 31

Authors Si X,Bi J,Chen Q,Cui H,Bao Y,Tian J,Shu C,Wang Y,Tan H,Zhang W,Chen Y,Li B

Lactobacillus paracasei DTA81, a cholesterol-lowering strain having immunomodulatory activity, reveals gut microbiota regulation capability in BALB/c mice receiving high-fat diet.

Journal of applied microbiology , Volume: 131 Issue: 4 2021 Oct

Authors Tarrah A,Dos Santos Cruz BC,Sousa Dias R,da Silva Duarte V,Pakroo S,Licursi de Oliveira L,Gouveia Peluzio MC,Corich V,Giacomini A,Oliveira de Paula S

Effects of Bacillus pumilus on growth performance, immunological indicators and gut microbiota of mice.

Journal of animal physiology and animal nutrition , Volume: 105 Issue: 4 2021 Jul

Authors Zhang N,Wang L,Wei Y

Lactobacillus plantarum and Bifidobacterium bifidum alleviate dry eye in mice with exorbital lacrimal gland excision by modulating gut inflammation and microbiota.

Food & function , Volume: 12 Issue: 6 2021 Mar 21

Authors Yun SW ,Son YH ,Lee DY ,Shin YJ ,Han MJ ,Kim DH

Probiotic Bacillus subtilis 29,784 improved weight gain and enhanced gut health status of broilers under necrotic enteritis condition.

Poultry science , Volume: 100 Issue: 4 2021 Apr

Authors Keerqin C,Rhayat L,Zhang ZH,Gharib-Naseri K,Kheravii SK,Devillard E,Crowley TM,Wu SB

Effect of Quercetin on Lipids Metabolism Through Modulating the Gut Microbial and AMPK/PPAR Signaling Pathway in Broilers.

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Wang M,Wang B,Wang S,Lu H,Wu H,Ding M,Ying L,Mao Y,Li Y

Long-term and continuous administration of Bacillus subtilis during remission effectively maintains the remission of inflammatory bowel disease by protecting intestinal integrity, regulating epithelial proliferation, and reshaping microbial structure and function.

Food & function , Volume: 12 Issue: 5 2021 Mar 15

Authors Liu Y,Yin F,Huang L,Teng H,Shen T,Qin H

Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.

Frontiers in bioengineering and biotechnology , Volume: 9 2021

Authors Fu J,Wang Y,Tan S,Wang J

Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial.

European journal of nutrition , Volume: 60 Issue: 6 2021 Sep

Authors Neyrinck AM,Rodriguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnop M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM

Dietary Supplementation With Bacillus subtilis Promotes Growth and Gut Health of Weaned Piglets.

Frontiers in veterinary science , Volume: 7 2020

Authors Tian Z,Wang X,Duan Y,Zhao Y,Zhang W,Azad MAK,Wang Z,Blachier F,Kong X

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

Frontiers in microbiology , Volume: 11 2020

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

Bacillus subtilis-fermented products ameliorate the growth performance and alter cecal microbiota community in broilers under lipopolysaccharide challenge.

Poultry science , Volume: 100 Issue: 2 2021 Feb

Authors Chen JY,Yu YH

Effects of novel probiotic strains of Bacillus pumilus and Bacillus subtilis on production, gut health, and immunity of broiler chickens raised under suboptimal conditions.

Poultry science , Volume: 100 Issue: 3 2021 Mar

Authors Bilal M,Si W,Barbe F,Chevaux E,Sienkiewicz O,Zhao X

Effect of probiotic Lactobacillus plantarum Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults.

World journal of gastroenterology , Volume: 27 Issue: 1 2021 Jan 7

Authors Rahayu ES,Mariyatun M,Putri Manurung NE,Hasan PN,Therdtatha P,Mishima R,Komalasari H,Mahfuzah NA,Pamungkaningtyas FH,Yoga WK,Nurfiana DA,Liwan SY,Juffrie M,Nugroho AE,Utami T

Pretreatment with chitosan oligosaccharides attenuate experimental severe acute pancreatitis via inhibiting oxidative stress and modulating intestinal homeostasis.

Acta pharmacologica Sinica , 2021 Jan 25

Authors Mei QX,Hu JH,Huang ZH,Fan JJ,Huang CL,Lu YY,Wang XP,Zeng Y

Bacillus subtilis and lactic acid bacteria improve the growth performance and blood parameters and reduce Salmonella infection in broilers.

Veterinary world , Volume: 13 Issue: 12 2020 Dec

Authors Khochamit N,Siripornadulsil S,Sukon P,Siripornadulsil W

Effect of dietary inclusion of dried apple pomace on faecal butyrate concentration and modulation of gut microbiota in dogs.

Archives of animal nutrition , Volume: 75 Issue: 1 2021 Feb

Authors de Brito CBM,Menezes Souza CM,Bastos TS,Mesa D,Oliveira SG,Félix AP

Pharmacological Therapy Determines the Gut Microbiota Modulation by a Pomegranate Extract Nutraceutical in Metabolic Syndrome: A Randomized Clinical Trial.

Molecular nutrition & food research , Volume: 65 Issue: 6 2021 Mar

Authors Cortés-Martín A,Iglesias-Aguirre CE,Meoro A,Selma MV,Espín JC

California strawberry consumption increased the abundance of gut microorganisms related to lean body weight, health and longevity in healthy subjects.

Nutrition research (New York, N.Y.) , Volume: 85 2021 Jan

Authors Ezzat-Zadeh Z,Henning SM,Yang J,Woo SL,Lee RP,Huang J,Thames G,Gilbuena I,Tseng CH,Heber D,Li Z

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

Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.

Food & function , Volume: 12 Issue: 3 2021 Feb 15

Authors Guo L,Xiao P,Zhang X,Yang Y,Yang M,Wang T,Lu H,Tian H,Wang H,Liu J

Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.

Frontiers in microbiology , Volume: 11 2020

Authors Song J,Li Q,Everaert N,Liu R,Zheng M,Zhao G,Wen J

Combined Lycium babarum polysaccharides and C-phycocyanin increase gastric Bifidobacterium relative abundance and protect against gastric ulcer caused by aspirin in rats.

Nutrition & metabolism , Volume: 18 Issue: 1 2021 Jan 6

Authors Hsieh SY,Lian YZ,Lin IH,Yang YC,Tinkov AA,Skalny AV,Chao JC

Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6 J mice fed with a high-fat diet.

European journal of nutrition , 2021 Jan 3

Authors Liu J,Hao W,He Z,Kwek E,Zhu H,Ma N,Ma KY,Chen ZY

Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M?-Nuclear Factor-?B-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Bao T,He F,Zhang X,Zhu L,Wang Z,Lu H,Wang T,Li Y,Yang S,Wang 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

Pomegranate peel extract ameliorates the severity of experimental autoimmune encephalomyelitis via modulation of gut microbiota.

Gut microbes , Volume: 12 Issue: 1 2020 Nov 9

Authors Lu XY,Han B,Deng X,Deng SY,Zhang YY,Shen PX,Hui T,Chen RH,Li X,Zhang Y

Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake.

Molecular nutrition & food research , Volume: 65 Issue: 4 2021 Feb

Authors Kiewiet MBG,Elderman ME,El Aidy S,Burgerhof JGM,Visser H,Vaughan EE,Faas MM,de Vos P

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

Effect of *Bifidobacterium animalis* subsp. *lactis* MN-Gup on constipation and the composition of gut microbiota.

Beneficial microbes , 2020 Dec 14

Authors Wang R,Sun J,Li G,Zhang M,Niu T,Kang X,Zhao H,Chen J,Sun E,Li Y

Cow, Goat, and Mare Milk Diets Differentially Modulated the Immune System and Gut Microbiota of Mice Colonized by Healthy Infant Feces.

Journal of agricultural and food chemistry , Volume: 68 Issue: 51 2020 Dec 23

Authors Li N,Xie Q,Chen Q,Evivie SE,Liu D,Dong J,Huo G,Li B

Administration of Saccharomyces boulardii mafic-1701 improves feed conversion ratio, promotes antioxidant capacity, alleviates intestinal inflammation and modulates gut microbiota in weaned piglets.

Journal of animal science and biotechnology , Volume: 11 Issue: 1 2020 Dec 4

Authors Zhang W,Bao C,Wang J,Zang J,Cao Y

Bacillus amyloliquefaciens TL106 protects mice against enterohaemorrhagic Escherichia coli O157:H7-induced intestinal disease through improving immune response, intestinal barrier function and gut microbiota.

Journal of applied microbiology , Volume: 131 Issue: 1 2021 Jul

Authors Bao CL,Liu SZ,Shang ZD,Liu YJ,Wang J,Zhang WX,Dong B,Cao YH

Lycium barbarum polysaccharide attenuates myocardial injury in high-fat diet-fed mice through manipulating the gut microbiome and fecal metabolome.

Food research international (Ottawa, Ont.) , Volume: 138 Issue: Pt B 2020 Dec

Authors Zhang Z,Liu H,Yu B,Tao H,Li J,Wu Z,Liu G,Yuan C,Guo L,Cui B

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

Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing Escherichia coli through inflammation modulation and gut microbiota regulation.

Food & function , Volume: 11 Issue: 12 2020 Dec 1

Authors Yue Y ,He Z ,Zhou Y ,Ross RP ,Stanton C ,Zhao J ,Zhang H ,Yang B ,Chen W

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

Dynamic gut microbiome changes to low-iron challenge.

Applied and environmental microbiology , 2020 Nov 13

Authors Coe GL,Pinkham NV,Celis AI,Johnson C,DuBois JL,Walk ST

Alginate- and Gelatin-Coated Apple Pieces as Carriers for *Bifidobacterium animalis* subsp. *lactis* DSM 10140.

Frontiers in microbiology , Volume: 11 2020

Authors Campaniello D,Bevilacqua A,Speranza B,Sinigaglia M,Corbo MR

The Effect of *Bacillus licheniformis*-Fermented Products and Postpartum Dysgalactia Syndrome on Litter Performance Traits,

Milk Composition, and Fecal Microbiota in Sows.
Animals : an open access journal from MDPI , Volume: 10 Issue: 11 2020 Nov 5
Authors Yu YH,Hsu TY,Chen WJ,Horng YB,Cheng YH
Daily intake of probiotic strain *Bacillus subtilis* DE111 supports a healthy microbiome in children attending day-care.
Beneficial microbes , Volume: 11 Issue: 7 2020 Nov 15
Authors Paytuví-Gallart A,Sanseverino W,Winger AM
Enterococcus faecium R0026 combined with *Bacillus subtilis* R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.
Journal of microbiology and biotechnology , 2020 Oct 20
Authors Huang J,Huang J,Yin T,Lv H,Zhang P,Li H
Effects of manganese and Bacillus subtilis on the reproductive performance, egg quality, antioxidant capacity, and gut microbiota of breeding geese during laying period.
Poultry science , Volume: 99 Issue: 11 2020 Nov
Authors Wang Y,Wang H,Wang B,Zhang B,Li W
Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.
European journal of nutrition , Volume: 60 Issue: 4 2021 Jun
Authors Guo Y,Yu Y,Li H,Ding X,Li X,Jing X,Chen J,Liu G,Lin Y,Jiang C,Liu Z,He Y,Li C,Tian Z
Lactobacillus delbrueckii subsp. bulgaricus KLDS 1.0207 Exerts Antimicrobial and Cytotoxic Effects in vitro and Improves Blood Biochemical Parameters in vivo Against Notable Foodborne Pathogens.
Frontiers in microbiology , Volume: 11 2020
Authors Evivie SE,Abdelazez A,Li B,Lu S,Liu F,Huo G
Distinct Effects of Milks From Various Animal Types on Infant Fecal Microbiota Through in vitro Fermentations.
Frontiers in microbiology , Volume: 11 2020
Authors Li N,Li B,Guan J,Shi J,Evivie SE,Zhao L,Huo G,Wang S
Bacillus subtilis and Enterococcus faecium co-fermented feed regulates lactating sow's performance, immune status and gut microbiota.
Microbial biotechnology , Volume: 14 Issue: 2 2021 Mar
Authors Wang C,Wei S,Xu B,Hao L,Su W,Jin M,Wang Y
Effect of Combined Live Probiotics Alleviating the Gastrointestinal Symptoms of Functional Bowel Disorders.
Gastroenterology research and practice , Volume: 2020 2020
Authors Shi J,Gao F,Zhang J
Dietary supplementation of Bacillus subtilis PB6 improves sow reproductive performance and reduces piglet birth intervals.
Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 6 Issue: 3 2020 Sep
Authors Zhang Q,Li J,Cao M,Li Y,Zhuo Y,Fang Z,Che L,Xu S,Feng B,Lin Y,Jiang X,Zhao X,Wu D
Bifidobacterium bifidum TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.
Journal of food biochemistry , Volume: 44 Issue: 11 2020 Nov
Authors Jing W,Liu Q,Wang W
Modifications of Gut Microbiota after Grape Pomace Supplementation in Subjects at Cardiometabolic Risk: A Randomized Cross-Over Controlled Clinical Trial.
Foods (Basel, Switzerland) , Volume: 9 Issue: 9 2020 Sep 11
Authors Ramos-Romero S,Martínez-Maqueda D,Hereu M,Amézqueta S,Torres JL,Pérez-Jiménez J
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
Erratum: Lactobacillus delbrueckii ssp. lactis R4 Prevents Salmonella typhimurium SL1344-Induced Damage to Tight Junctions and Adherens Junctions.
Journal of microbiology (Seoul, Korea) , Volume: 58 Issue: 9 2020 Sep
Authors Yu Q,Zhu L,Wang Z,Li P,Yang Q
The effects of dairy and dairy derivatives on the gut microbiota: a systematic literature review.
Gut microbes , Volume: 12 Issue: 1 2020 Nov 9
Authors Aslam H,Marx W,Rocks T,Loughman A,Chandrasekaran V,Ruusunen A,Dawson SL,West M,Mullarkey E,Pasco JA,Jacka FN
A novel inulin-type fructan from Asparagus cochinchinensis and its beneficial impact on human intestinal microbiota.
Carbohydrate polymers , Volume: 247 2020 Nov 1
Authors Sun Q,Zhu L,Li Y,Cui Y,Jiang S,Tao N,Chen H,Zhao Z,Xu J,Dong C
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
Combined Use of Bacillus subtilis yb-114,246 and Bacillus licheniformis yb-214,245 Improves Body Growth Performance of Chinese Huainan Partridge Shank Chickens by Enhancing Intestinal Digestive Profiles.
Probiotics and antimicrobial proteins , Volume: 13 Issue: 2 2021 Apr
Authors Yang J,Huang K,Wang J,Wu D,Liu Z,Yu P,Wei Z,Chen F
Lactobacillus plantarum PS128 Improves Physiological Adaptation and Performance in Triathletes through Gut Microbiota Modulation.
Nutrients , Volume: 12 Issue: 8 2020 Aug 1
Authors Huang WC,Pan CH,Wei CC,Huang HY
Dietary Mannan-oligosaccharides potentiate the beneficial effects of Bifidobacterium bifidum in broiler chicken.
Letters in applied microbiology , Volume: 71 Issue: 5 2020 Nov
Authors Dev K,Akbar Mir N,Biswas A,Kannoujia J,Begum J,Kant R
Long-term Consumption of 2-O-?-D-Glucopyranosyl-L-ascorbic Acid from the Fruits of Lycium barbarum Modulates Gut Microbiota in C57BL/6 Micee.
Journal of agricultural and food chemistry , 2020 Jul 24
Authors Dong W,Huang K,Yan Y,Wan P,Peng Y,Zeng X,Cao Y
Enterococcus faecium Modulates the Gut Microbiota of Broilers and Enhances Phosphorus Absorption and Utilization.
Animals : an open access journal from MDPI , Volume: 10 Issue: 7 2020 Jul 20
Authors Wang W,Cai H,Zhang A,Chen Z,Chang W,Liu G,Deng X,Bryden WL,Zheng A
Effect of particle size of insoluble fibre on growth performance, apparent ileal digestibility and caecal microbial population in broiler chickens fed barley-containing diets.
British poultry science , Volume: 61 Issue: 6 2020 Dec
Authors Pourazadi Z,Salari S,Tabandeh MR,Abdollahi MR
Early supplementation of Saccharomyces cerevisiae boulardii CNCM I-1079 in newborn dairy calves increases IgA production in the intestine at 1 week of age.
Journal of dairy science , Volume: 103 Issue: 9 2020 Sep
Authors Villot C,Chen Y,Pedgerachny K,Chaucheyras-Durand F,Chevaux E,Skidmore A,Guan LL,Steele MA
Effects of banana powder (Musa acuminata Colla) on the composition of human fecal microbiota and metabolic output using in vitro fermentation.
Journal of food science , Volume: 85 Issue: 8 2020 Aug
Authors Tian DD,Xu XQ,Peng Q,Zhang YW,Zhang PB,Qiao Y,Shi B
Effect of banana pulp dietary fibers on metabolic syndrome and gut microbiota diversity in high-fat diet mice.
Journal of food biochemistry , 2020 Jul 14
Authors Wei G,Ye Y,Yan X,Chao X,Yang F,Wang M,Zhang W,Yuan C,Zeng Q
Anti-Obesity Effect of Lactobacillus plantarum LB818 Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice.
Journal of medicinal food , Volume: 23 Issue: 7 2020 Jul
Authors Hussain A,Kwon MH,Kim HK,Lee HS,Cho JS,Lee YI
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
Effect of chitooligosaccharides on human gut microbiota and antiglycation.
Carbohydrate polymers , Volume: 242 2020 Aug 15
Authors Liu W,Li X,Zhao Z,Pi X,Meng Y,Fei D,Liu D,Wang X
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
Oral Supplements of Combined Bacillus licheniformis Zhengchangsheng® and Xylooligosaccharides Improve High-Fat Diet-Induced Obesity and Modulate the Gut Microbiota in Rats.
BioMed research international , Volume: 2020 2020
Authors Li Y,Liu M,Liu H,Wei X,Su X,Li M,Yuan J
Early Introduction of Solid Feeds: Ingestion Level Matters More Than Prebiotic Supplementation for Shaping Gut Microbiota.
Frontiers in veterinary science , Volume: 7 2020

Authors Paës C,Gidenne T,Bébin K,Duperray J,Gohier C,Guené-Grand E,Rebours G,Bouchez O,Barilly C,Aymard P,Combes S
Dietary supplementation with Lactobacillus plantarum modified gut microbiota, bile acid profile and glucose homoeostasis in weaning piglets.
The British journal of nutrition , Volume: 124 Issue: 8 2020 Oct 28
Authors Lin S,Yang X,Long Y,Zhong H,Wang P,Yuan P,Zhang X,Che L,Feng B,Li J,Zhuo Y,Lin Y,Xu S,Wu D,Fang Z
Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.
European journal of nutrition , Volume: 60 Issue: 2 2021 Mar
Authors He J,Xie H,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H
Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.
Food & function , Volume: 11 Issue: 5 2020 May 1
Authors Li S ,Wang L ,Liu B ,He N
Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPARa signal pathway and gut microbiota.
Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul
Authors Cai H,Wen Z,Li X,Meng K,Yang P
The Protective Effects of 2`-Fucosyllactose against *E. Coli* O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.
Nutrients , Volume: 12 Issue: 5 2020 May 1
Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S
Lactobacillus paracasei subsp. paracasei NTU 101 lyophilized powder improves loperamide-induced constipation in rats.
Heliyon , Volume: 6 Issue: 4 2020 Apr
Authors Chen CL,Chao SH,Pan TM
Preventive Effects of Kaempferol on High-Fat Diet-Induced Obesity Complications in C57BL/6 Mice.
BioMed research international , Volume: 2020 2020
Authors Wang T,Wu Q,Zhao T
Lactobacillus plantarum NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation.
Applied microbiology and biotechnology , Volume: 104 Issue: 12 2020 Jun
Authors Zhao Z,Chen L,Zhao Y,Wang C,Duan C,Yang G,Niu C,Li S
Effect of chicory inulin-type fructan-containing snack bars on the human gut microbiota in low dietary fiber consumers in a randomized crossover trial.
The American journal of clinical nutrition , Volume: 111 Issue: 6 2020 Jun 1
Authors Reimer RA,Soto-Vaca A,Nicolucci AC,Mayengbam S,Park H,Madsen KL,Menon R,Vaughan EE
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
Effect of probiotics on gut microbiome in patients with administration of surgical antibiotic prophylaxis: A randomized controlled study.
Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , Volume: 26 Issue: 8 2020 Aug
Authors Kaku N,Matsumoto N,Sasaki D,Tsuda K,Kosai K,Uno N,Morinaga Y,Tagami A,Adachi S,Hasegawa H,Osaki M,Yanagihara K
Consumption of two whole kiwifruit (Actinide chinensis) per day improves lipid homeostasis, fatty acid metabolism and gut microbiota in healthy rats.
International journal of biological macromolecules , Volume: 156 2020 Apr 9
Authors Alim A,Li T,Nisar T,Ren D,Liu Y,Yang X
Regulatory effects of Lactobacillus plantarum HY7714 on skin health by improving intestinal condition.
PloS one , Volume: 15 Issue: 4 2020
Authors Nam B,Kim SA,Park SD,Kim HJ,Kim JS,Bae CH,Kim JY,Nam W,Lee JL,Sim JH
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
Effectiveness of an oral care tablet containing kiwifruit powder in reducing oral bacteria in tongue coating: A crossover trial.
Clinical and experimental dental research , Volume: 6 Issue: 2 2020 Apr
Authors Matsumura Y,Hinode D,Fukui M,Yoshioka M,Asakuma H,Takii H

Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.
Molecular nutrition & food research , 2020 Apr 5
Authors Han X,Guo J,Yin M,Liu Y,You Y,Zhan J,Huang W

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.
The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14
Authors Wang W,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H,He J

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.
Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun
Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B

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

Milk fat influences proteolytic enzyme activity of dairy Pseudomonas species.
International journal of food microbiology , Volume: 320 2020 Jan 28
Authors Zhang D,Palmer J,Teh KH,Calinisan MMA,Flint S

Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.
Nutrients , Volume: 12 Issue: 1 2020 Jan 17
Authors Aljahdali N,Gadonna-Widehem P,Anton PM,Carbonero F

In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.
Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb
Authors Henrique-Bana FC,Wang X,Costa GN,Spinosa WA,Miglioranza LHS,Scorletti E,Calder PC,Byrne CD,Gibson GR

Chungkookjang, a soy food, fermented with Bacillus amyloliquefaciens protects gerbils against ishcmeic stroke injury, and post-stroke hyperglycemia.
Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb
Authors Jeong DY,Jeong SY,Zhang T,Wu X,Qiu JY,Park S

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

Dietary Saccharomyces cerevisiae boulardii CNCM I-1079 Positively Affects Performance and Intestinal Ecosystem in Broilers during a Campylobacter jejuni Infection.
Microorganisms , Volume: 7 Issue: 12 2019 Nov 21
Authors Massacci FR,Lovito C,Tofani S,Tentellini M,Genovese DA,De Leo AAP,Papa P,Magistrali CF,Manuali E,Trabalza-Marinucci M,Moscati L,Forte C

Apple polysaccharide could promote the growth of Bifidobacterium longum.
International journal of biological macromolecules , Volume: 152 2020 Jun 1
Authors Li Y,Wang S,Sun Y,Zheng H,Tang Y,Gao X,Song C,Liu J,Long Y,Liu L,Mei Q

Structural Analysis of Gluco-Oligosaccharides Produced by Leuconostoc lactis and Their Prebiotic Effect.
Molecules (Basel, Switzerland) , Volume: 24 Issue: 21 2019 Nov 5
Authors Lee S,Park J,Jang JK,Lee BH,Park YS

Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota.
Nutrients , Volume: 11 Issue: 11 2019 Nov 3
Authors Gomes A,Oudot C,Macià A,Foito A,Carregosa D,Stewart D,Van de Wiele T,Berry D,Motilva MJ,Brenner C,Dos Santos CN

Chitooligosaccharides Prevents the Development of Colitis-Associated Colorectal Cancer by Modulating the Intestinal Microbiota and Mycobiota.
Frontiers in microbiology , Volume: 10 2019
Authors Wu M,Li J,An Y,Li P,Xiong W,Li J,Yan D,Wang M,Zhong G

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

Effects of grape pomace and seed polyphenol extracts on the recovery of gut microbiota after antibiotic treatment in high-fat diet-fed mice.

Food science & nutrition , Volume: 7 Issue: 9 2019 Sep

Authors Lu F,Liu F,Zhou Q,Hu X,Zhang Y

Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.

Environmental pollution (Barking, Essex : 1987) , Volume: 255 Issue: Pt 2 2019 Sep 13

Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD

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

A comprehensive assessment of demographic, environmental, and host genetic associations with gut microbiome diversity in healthy individuals.

Microbiome , Volume: 7 Issue: 1 2019 Sep 13

Authors Scepanovic P,Hodel F,Mondot S,Partula V,Byrd A,Hammer C,Alanio C,Bergstedt J,Patin E,Touvier M,Lantz O,Albert ML,Duffy D,Quintana-Murci L,Fellay J,Milieu Intérieur Consortium.

Enterococcus faecium NCIMB 10415 administration improves the intestinal health and immunity in neonatal piglets infected by enterotoxigenic Escherichia coli K88.

Journal of animal science and biotechnology , Volume: 10 2019

Authors Peng X,Wang R,Hu L,Zhou Q,Liu Y,Yang M,Fang Z,Lin Y,Xu S,Feng B,Li J,Jiang X,Zhuo Y,Li H,Wu D,Che L

Inhibition of Escherichia coli adhesion to human intestinal Caco-2?cells by probiotic candidate Lactobacillus plantarum strain L15.

Microbial pathogenesis , Volume: 136 2019 Nov

Authors Alizadeh Behbahani B,Noshad M,Falah F

Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.

Acta pharmacologica Sinica , Volume: 41 Issue: 1 2020 Jan

Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX

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

Effects of a formula with a probiotic Bifidobacterium lactis Supplement on the gut microbiota of low birth weight infants.

European journal of nutrition , Volume: 59 Issue: 4 2020 Jun

Authors Chi C,Xue Y,Liu R,Wang Y,Lv N,Zeng H,Buys N,Zhu B,Sun J,Yin C

Bacteroides thetaiotaomicron Starch Utilization Promotes Quercetin Degradation and Butyrate Production by Eubacterium ramulus.

Frontiers in microbiology , Volume: 10 2019

Authors Rodriguez-Castaño GP,Dorris MR,Liu X,Bolling BW,Acosta-Gonzalez A,Rey FE

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

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

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

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

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

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

Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug
Authors Dalile B,Van Oudenhove L,Vervliet B,Verbeke K
Fermented Momordica charantia L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.
Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul
Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY
Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.
The American journal of clinical nutrition , Volume: 109 Issue: 6 2019 Jun 1
Authors Hiel S,Bindels LB,Pachikian BD,Kalala G,Broers V,Zamariola G,Chang BPI,Kambashi B,Rodriguez J,Cani PD,Neyrinck AM,Thissen JP,Luminet O,Bindelle J,Delzenne NM
Bacillus subtilis Strain DSM 29784 Modulates the Cecal Microbiome, Concentration of Short-Chain Fatty Acids, and Apparent Retention of Dietary Components in Shaver White Chickens during Grower, Developer, and Laying Phases.
Applied and environmental microbiology , Volume: 85 Issue: 14 2019 Jul 15
Authors Neijat M,Habtewold J,Shirley RB,Welsher A,Barton J,Thiery P,Kiarie E
Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials.
PloS one , Volume: 14 Issue: 5 2019
Authors Miljkovic M,Jovanovic S,O`Connor PM,Mirkovic N,Jovcic B,Filipic B,Dinic M,Studholme DJ,Fira D,Cotter PD,Kojic M
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
Apple consumption is associated with a distinctive microbiota, proteomics and metabolomics profile in the gut of Dawley Sprague rats fed a high-fat diet.
PloS one , Volume: 14 Issue: 3 2019
Authors Garcia-Mazcorro JF,Pedreschi R,Yuan J,Kawas JR,Chew B,Dowd SE,Noratto G
Effects of dietary supplementation of probiotic Enterococcus faecium on growth performance and gut microbiota in weaned piglets.
AMB Express , Volume: 9 Issue: 1 2019 Mar 1
Authors Hu C,Xing W,Liu X,Zhang X,Li K,Liu J,Deng B,Deng J,Li Y,Tan C
Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.
Journal of agricultural and food chemistry , Volume: 67 Issue: 33 2019 Aug 21
Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H
Dietary supplementation with strawberry induces marked changes in the composition and functional potential of the gut microbiome in diabetic mice.
The Journal of nutritional biochemistry , Volume: 66 2019 Apr
Authors Petersen C,Wankhade UD,Bharat D,Wong K,Mueller JE,Chintapalli SV,Piccolo BD,Jalili T,Jia Z,Symons JD,Shankar K,Anandh Babu PV
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
The Inflammatory Response to Enterotoxigenic E. coli and Probiotic E. faecium in a Coculture Model of Porcine Intestinal Epithelial and Dendritic Cells.
Mediators of inflammation , Volume: 2018 2018
Authors Loss H,Aschenbach JR,Tedin K,Ebner F,Lodemann U
Bacillus subtilis 29784 induces a shift in broiler gut microbiome toward butyrate-producing bacteria and improves intestinal histomorphology and animal performance.
Poultry science , Volume: 98 Issue: 6 2019 Jun 1
Authors Jacquier V,Nelson A,Jlali M,Rhayat L,Brinch KS,Devillard E
The impact of Bacillus subtilis 18 isolated from Tibetan yaks on growth performance and gut microbial community in mice.
Microbial pathogenesis , Volume: 128 2019 Mar
Authors Li A,Jiang X,Wang Y,Zhang L,Zhang H,Mehmood K,Li Z,Waqas M,Li J
The impact of Bacillus subtilis DSM 32315 on the pathology, performance, and intestinal microbiome of broiler chickens in a necrotic enteritis challenge.
Poultry science , Volume: 98 Issue: 9 2019 Sep 1
Authors Whelan RA,Doranalli K,Rinttilä T,Vienola K,Jurgens G,Apajalahti J
Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development.

Anaerobe , Volume: 55 2019 Feb
Authors Velikonja A,Lipoglavšek L,Zorec M,Orel R,Avguštin G
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
Effect of Bacillus subtilis C-3102 on bone mineral density in healthy postmenopausal Japanese women: a randomized, placebo-controlled, double-blind clinical trial.
Bioscience of microbiota, food and health , Volume: 37 Issue: 4 2018
Authors Takimoto T,Hatanaka M,Hoshino T,Takara T,Tanaka K,Shimizu A,Morita H,Nakamura T
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
Determination of Antimicrobial Activity of Some Commercial Fruit (Apple, Papaya, Lemon and Strawberry) Against Bacteria Causing Urinary Tract Infection.
European journal of microbiology & immunology , Volume: 8 Issue: 3 2018 Sep 28
Authors Liya SJ,Siddique R
Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.
Scientific reports , Volume: 8 Issue: 1 2018 Oct 18
Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G
An exploratory study on the effect of daily fruits and vegetable juice on human gut microbiota.
Food science and biotechnology , Volume: 27 Issue: 5 2018 Oct
Authors Choi YJ,Lee DH,Kim HS,Kim YK
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
Anti-inflammatory effects of Kaempferol on Helicobacter pylori-induced inflammation.
Bioscience, biotechnology, and biochemistry , Volume: 83 Issue: 1 2019 Jan
Authors Yeon MJ,Lee MH,Kim DH,Yang JY,Woo HJ,Kwon HJ,Moon C,Kim SH,Kim JB
Effects of Whole Milk Supplementation on Gut Microbiota and Cardiometabolic Biomarkers in Subjects with and without Lactose Malabsorption.
Nutrients , Volume: 10 Issue: 10 2018 Oct 2
Authors Li X,Yin J,Zhu Y,Wang X,Hu X,Bao W,Huang Y,Chen L,Chen S,Yang W,Shan Z,Liu L
Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.
Molecular nutrition & food research , Volume: 62 Issue: 22 2018 Nov
Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ
Probiotic Bacillus amyloliquefaciens C-1 Improves Growth Performance, Stimulates GH/IGF-1, and Regulates the Gut Microbiota of Growth-Retarded Beef Calves.
Frontiers in microbiology , Volume: 9 2018
Authors Du R,Jiao S,Dai Y,An J,Lv J,Yan X,Wang J,Han B
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
Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.
Archives of animal nutrition , Volume: 72 Issue: 6 2018 Dec
Authors Li B,Schroyen M,Leblois J,Wavreille J,Soyeurt H,Bindelle J,Everaert N
Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.
The Journal of nutritional biochemistry , Volume: 59 2018 Sep
Authors Mayta-Apaza AC,Pottgen E,De Bodt J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SO,Carbonero F
A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.
Applied and environmental microbiology , Volume: 84 Issue: 19 2018 Oct 1
Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R
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

Pectin Alleviates High Fat (Lard) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.

Journal of agricultural and food chemistry , 2018 Jul 20

Authors Li W,Zhang K,Yang H

Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly.

Probiotics and antimicrobial proteins , 2018 Jul 5

Authors Wang K,Yu X,Li Y,Guo Y,Ge L,Pu F,Ma X,Cui W,Marrota F,He F,Li M

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

Enterococcus faecium WEFA23 from infant lessens high-fat-diet-induced hyperlipidemia via cholesterol 7-alpha-hydroxylase gene by altering the composition of gut microbiota in rats.

Journal of dairy science , 2018 Jun 20

Authors Huang F,Zhang F,Xu D,Zhang Z,Xu F,Tao X,Qiu L,Wei H

Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans.

Anaerobe , Volume: 52 2018 Aug

Authors Adamberg K,Adamberg S,Ernits K,Larionova A,Voor T,Jaagura M,Visnapuu T,Alamäe T

Probiotics L. acidophilus and B. clausii Modulate Gut Microbiota in Th1- and Th2-Biased Mice to Ameliorate Salmonella Typhimurium-Induced Diarrhea.

Probiotics and antimicrobial proteins , 2018 Jun 16

Authors Pradhan B,Guha D,Naik AK,Banerjee A,Tambat S,Chawla S,Senapati S,Aich P

Effect of Lactobacillus paracasei CNCM I-1572 on symptoms, gut microbiota, short chain fatty acids, and immune activation in patients with irritable bowel syndrome: A pilot randomized clinical trial.

United European gastroenterology journal , Volume: 6 Issue: 4 2018 May

Authors Cremon C,Guglielmetti S,Gargari G,Taverniti V,Castellazzi AM,Valsecchi C,Tagliacarne C,Fiore W,Bellini M,Bertani L,Gambaccini D,Cicala M,Germanà B,Vecchi M,Pagano I,Barbaro MR,Bellacosa L,Stanghellini V,Barbara G

Identification of Phenolic Compounds-Rich Grape Pomace Extracts Urine Metabolites and Correlation with Gut Microbiota Modulation.

Antioxidants (Basel, Switzerland) , Volume: 7 Issue: 6 2018 Jun 4

Authors Chacar S,Tarighi M,Fares N,Faivre JF,Louka N,Maroun RG

Antagonistic effect of isolated probiotic bacteria from natural sources against intestinal Escherichia coli pathotypes.

Electronic physician , Volume: 10 Issue: 3 2018 Mar

Authors Karimi S,Rashidian E,Birjandi M,Mahmoodnia L

Dietary fiber intervention on gut microbiota composition in healthy adults: a systematic review and meta-analysis.

The American journal of clinical nutrition , Volume: 107 Issue: 6 2018 Jun 1

Authors So D,Whelan K,Rossi M,Morrison M,Holtmann G,Kelly JT,Shanahan ER,Staudacher HM,Campbell KL

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

Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.

Nutrients , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SM,Korzhenkov AA,Samarov NI,Shevchenko MA,Tepliuk AV,Alexeev DG

Modifications in gut microbiota and fermentation metabolites in the hindgut of rats after the consumption of galactooligosaccharide glycated with a fish peptide.

Food & function , Volume: 9 Issue: 5 2018 May 1

Authors Jin W,Han K,Dong S,Yang Y,Mao Z,Su M,Zeng M

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.

Molecular nutrition & food research , 2018 Apr 17

Authors González-Sarrías A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

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
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
Effects of dietary Bacillus amyloliquefaciens supplementation on growth performance, intestinal morphology, inflammatory response, and microbiota of intra-uterine growth retarded weanling piglets.
Journal of animal science and biotechnology , Volume: 9 2018
Authors Li Y,Zhang H,Su W,Ying Z,Chen Y,Zhang L,Lu Z,Wang T
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
Whole Tibetan Hull-Less Barley Exhibit Stronger Effect on Promoting Growth of Genus Bifidobacterium than Refined Barley In Vitro.
Journal of food science , Volume: 83 Issue: 4 2018 Apr
Authors Gong L,Cao W,Gao J,Wang J,Zhang H,Sun B,Yin M
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
Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation.
Applied and environmental microbiology , Volume: 84 Issue: 9 2018 May 1
Authors Rivière A,Selak M,Geirnaert A,Van den Abbeele P,De Vuyst L
Blueberry Supplementation Influences the Gut Microbiota, Inflammation, and Insulin Resistance in High-Fat-Diet-Fed Rats.
The Journal of nutrition , Volume: 148 Issue: 2 2018 Feb 1
Authors Lee S,Keirsey KI,Kirkland R,Grunewald ZI,Fischer JG,de La Serre CB
Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.
Food & function , Volume: 9 Issue: 3 2018 Mar 1
Authors Zartl B,Silberbauer K,Loeppert R,Viernstein H,Praznik W,Mueller M
Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.
Food & function , 2018 Feb 21
Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan 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
Effects of Blackcurrant and Dietary Fibers on Large Intestinal Health Biomarkers in Rats.
Plant foods for human nutrition (Dordrecht, Netherlands) , Volume: 73 Issue: 1 2018 Mar
Authors Paturi G,Butts CA,Monro JA,Hedderley D
Chemoprevention of colorectal cancer by black raspberry anthocyanins involved the modulation of gut microbiota and SFRP2 demethylation.
Carcinogenesis , 2018 Jan 19
Authors Chen L,Jiang B,Zhong C,Guo J,Zhang L,Mu T,Zhang Q,Bi X
The Relationship between Habitual Dietary Intake and Gut Microbiota in Young Japanese Women.
Journal of nutritional science and vitaminology , Volume: 63 Issue: 6 2017
Authors Seura T,Yoshino Y,Fukuwatari T
Effect of dark sweet cherry powder consumption on the gut microbiota, short-chain fatty acids, and biomarkers of gut health in obese db/db mice.
PeerJ , Volume: 6 2018
Authors Garcia-Mazcorro JF,Lage NN,Mertens-Talcott S,Talcott S,Chew B,Dowd SE,Kawas JR,Noratto GD
Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan
Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J
Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism In Vitro.
Journal of food protection , Volume: 81 Issue: 1 2018 Jan
Authors Wang S,Yao J,Zhou B,Yang J,Chaudry MT,Wang M,Xiao F,Li Y,Yin W
The Impact of Long-Term Intake of Phenolic Compounds-Rich Grape Pomace on Rat Gut Microbiota.
Journal of food science , Volume: 83 Issue: 1 2018 Jan
Authors Chacar S,Itani T,Hajal J,Saliba Y,Louka N,Faivre JF,Maroun R,Fares N
Evaluation of probiotic and prebiotic-like effects of Bacillus subtilis BN on growth of lactobacilli.
The Journal of general and applied microbiology , Volume: 64 Issue: 1 2018 Mar 27
Authors Horie M,Koike T,Sugino S,Umeno A,Yoshida Y
Probiotics in 14-day triple therapy for Asian pediatric patients with Helicobacter pylori infection: a network meta-analysis.
Oncotarget , Volume: 8 Issue: 56 2017 Nov 10
Authors Wen J,Peng P,Chen P,Zeng L,Pan Q,Wei W,He J
Blood lactose after dairy product intake in healthy men.
The British journal of nutrition , Volume: 118 Issue: 12 2017 Dec
Authors Pimentel G,Burton KJ,Rosikiewicz M,Freiburghaus C,von Ah U,Münger LH,Pralong FP,Vionnet N,Greub G,Badertscher R,Vergères G
Effects of Lactobacillus acidophilus on gut microbiota composition in broilers challenged with Clostridium perfringens.
PloS one , Volume: 12 Issue: 11 2017
Authors Li Z,Wang W,Liu D,Guo Y
Quercetin metabolism by fecal microbiota from healthy elderly human subjects.
PloS one , Volume: 12 Issue: 11 2017
Authors Tamura M,Hoshi C,Kobori M,Takahashi S,Tomita J,Nishimura M,Nishihira J
A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.
Food & function , Volume: 8 Issue: 12 2017 Dec 13
Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M
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
The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.
The American journal of clinical nutrition , Volume: 106 Issue: Suppl 6 2017 Dec
Authors Paganini D,Zimmermann MB
Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.
Food & function , Volume: 8 Issue: 12 2017 Dec 13
Authors Shang W,Si X,Zhou Z,Li Y,Strappe P,Blanchard C
Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.
The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct
Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG
Effect of Functional Oligosaccharides and Ordinary Dietary Fiber on Intestinal Microbiota Diversity.
Frontiers in microbiology , Volume: 8 2017
Authors Cheng W,Lu J,Li B,Lin W,Zhang Z,Wei X,Sun C,Chi M,Bi W,Yang B,Jiang A,Yuan J
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
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
Assessment of plaque regrowth with a probiotic toothpaste containing Lactobacillus paracasei: A spectrophotometric study.
Journal of the Indian Society of Pedodontics and Preventive Dentistry , Volume: 35 Issue: 4 2017 Oct-Dec
Authors Srinivasan S,Nandlal B,Rao MVS
Dietary pomegranate extract and inulin affect gut microbiome differentially in mice fed an obesogenic diet.
Anaerobe , Volume: 48 2017 Dec
Authors Zhang S,Yang J,Henning SM,Lee R,Hsu M,Grojean E,Pisegna R,Ly A,Heber D,Li Z

A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.

BMC complementary and alternative medicine , Volume: 17 Issue: 1 2017 Sep 4

Authors Pinheiro I,Robinson L,Verhelst A,Marzorati M,Winkens B,den Abbeele PV,Possemiers S

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

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.

Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

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

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

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

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

Disruption in the cecal microbiota of chickens challenged with Clostridium perfringens and other factors was alleviated by Bacillus licheniformis supplementation.

PloS one , Volume: 12 Issue: 8 2017

Authors Lin Y,Xu S,Zeng D,Ni X,Zhou M,Zeng Y,Wang H,Zhou Y,Zhu H,Pan K,Li G

Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk Containing Heat-Killed Lactobacillus paracasei CBA L74.

Applied and environmental microbiology , Volume: 83 Issue: 19 2017 Oct 1

Authors Berni Canani R,De Filippis F,Nocerino R,Laiola M,Paparo L,Calignano A,De Caro C,Coretti L,Chiariotti L,Gilbert JA,Ercolini D

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

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

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

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

Human Milk Oligosaccharides Exhibit Antimicrobial and Antibiofilm Properties against Group B Streptococcus.

ACS infectious diseases , Volume: 3 Issue: 8 2017 Aug 11

Authors Ackerman DL,Doster RS,Weitkamp JH,Aronoff DM,Gaddy JA,Townsend SD

Probiotic yogurt and acidified milk similarly reduce postprandial inflammation and both alter the gut microbiota of healthy, young men.

The British journal of nutrition , Volume: 117 Issue: 9 2017 May

Authors Burton KJ,Rosikiewicz M,Pimentel G,Bütikofer U,von Ah U,Voirol MJ,Croxatto A,Aeby S,Drai J,McTernan PG,Greub G,Pralong FP,Vergères G,Vionnet N

Association between Yogurt Consumption and Intestinal Microbiota in Healthy Young Adults Differs by Host Gender.

Frontiers in microbiology , Volume: 8 2017

Authors Suzuki Y,Ikeda K,Sakuma K,Kawai S,Sawaki K,Asahara T,Takahashi T,Tsuji H,Nomoto K,Nagpal R,Wang C,Nagata S,Yamashiro Y

Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.

Nutrients , Volume: 9 Issue: 6 2017 May 24

Authors Koutsos A,Lima M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM

Health benefit of vegetable/fruit juice-based diet: Role of microbiome

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

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

Effect of dietary supplementation with Lactobacillus acidophilus D2/CSL (CECT 4529) on caecum microbioma and

productive performance in broiler chickens.
PloS one , Volume: 12 Issue: 5 2017
Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A

Effect of Bacillus subtilis and Bacillus licheniformis supplementation in diets with low- and high-protein content on ileal crude protein and amino acid digestibility and intestinal microbiota composition of growing pigs.
Journal of animal science and biotechnology , Volume: 8 2017
Authors Kaewtapee C,Burbach K,Tomforde G,Hartinger T,Camarinha-Silva A,Heinritz S,Seifert J,Wiltafsky M,Mosenthin R,Rosenfelder-Kuon P

Effect of a probiotic beverage consumption (Enterococcus faecium CRL 183 and Bifidobacterium longum ATCC 15707) in rats with chemically induced colitis.
PloS one , Volume: 12 Issue: 4 2017
Authors Celiberto LS,Bedani R,Dejani NN,Ivo de Medeiros A,Sampaio Zuanon JA,Spolidorio LC,Tallarico Adorno MA,Amâncio Varesche MB,Carrilho Galvão F,Valentini SR,Font de Valdez G,Rossi EA,Cavallini DCU

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

Impact of probiotic Saccharomyces boulardii on the gut microbiome composition in HIV-treated patients: A double-blind, randomised, placebo-controlled trial.
PloS one , Volume: 12 Issue: 4 2017
Authors Villar-García J,Güerri-Fernández R,Moya A,González A,Hernández JJ,Lerma E,Guelar A,Sorli L,Horcajada JP,Artacho A,D Auria G,Knobel H

Effect of Whole Grain Qingke (Tibetan Hordeum vulgare L. Zangqing 320) on the Serum Lipid Levels and Intestinal Microbiota of Rats under High-Fat Diet.
Journal of agricultural and food chemistry , Volume: 65 Issue: 13 2017 Apr 5
Authors Xia X,Li G,Ding Y,Ren T,Zheng J,Kan J

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

Apple Polysaccharide inhibits microbial dysbiosis and chronic inflammation and modulates gut permeability in HFD-fed rats.
International journal of biological macromolecules , Volume: 99 2017 Jun
Authors Wang S,Li Q,Zang Y,Zhao Y,Liu N,Wang Y,Xu X,Liu L,Mei Q

Specific inulin-type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and microbiota homeostasis.
Molecular nutrition & food research , Volume: 61 Issue: 8 2017 Aug
Authors Chen K,Chen H,Faas MM,de Haan BJ,Li J,Xiao P,Zhang H,Diana J,de Vos P,Sun J

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

Microbial shifts in the porcine distal gut in response to diets supplemented with Enterococcus Faecalis as alternatives to antibiotics.
Scientific reports , Volume: 7 2017 Feb 6
Authors Li P,Niu Q,Wei Q,Zhang Y,Ma X,Kim SW,Lin M,Huang R

Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.
Journal of dairy science , Volume: 100 Issue: 4 2017 Apr
Authors Boudry G,Hamilton MK,Chichlowski M,Wickramasinghe S,Barile D,Kalanetra KM,Mills DA,Raybould HE

Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.
Proceedings of the National Academy of Sciences of the United States of America , Volume: 114 Issue: 3 2017 Jan 17
Authors Azcarate-Peril MA,Ritter AJ,Savaiano D,Monteagudo-Mera A,Anderson C,Magness ST,Klaenhammer TR

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

Gut-borne Saccharomyces cerevisiae, a promising candidate for the formulation of feed additives, modulates immune system and gut microbiota.

Beneficial microbes , Volume: 7 Issue: 5 2016 Nov 30
Authors García G,Dogi C,de Moreno de LeBlanc A,Greco C,Cavaglieri L
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
Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.
Poultry science , Volume: 96 Issue: 5 2017 May 1
Authors Guo JR,Dong XF,Liu S,Tong JM
Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.
BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26
Authors Bunesova V,Lacroix C,Schwab C
Oral supplementation of healthy adults with 2`-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.
The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct
Authors Elison E,Vigsnaes LK,Rindom Krogsgaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P
Dairy and plant based food intakes are associated with altered faecal microbiota in 2 to 3 year old Australian children.
Scientific reports , Volume: 6 2016 Oct 3
Authors Smith-Brown P,Morrison M,Krause L,Davies PS
Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.
Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun
Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD
Benefits of Bifidobacterium animalis subsp. lactis Probiotic in Experimental Periodontitis.
Journal of periodontology , Volume: 88 Issue: 2 2017 Feb
Authors Oliveira LF,Salvador SL,Silva PH,Furlaneto FA,Figueiredo L,Casarin R,Ervolino E,Palioto DB,Souza SL,Taba M Jr,Novaes AB Jr,Messora MR
Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease.
Clinical science (London, England : 1979) , Volume: 130 Issue: 23 2016 Dec 1
Authors Denis MC,Roy D,Yeganeh PR,Desjardins Y,Varin T,Haddad N,Amre D,Sané AT,Garofalo C,Furtos A,Patey N,Delvin E,Tremblay E,Marette A,Beaulieu JF,Levy E
The Human Milk Oligosaccharide 2`-Fucosyllactose Quenches Campylobacter jejuni-Induced Inflammation in Human Epithelial Cells HEp-2 and HT-29 and in Mouse Intestinal Mucosa.
The Journal of nutrition , Volume: 146 Issue: 10 2016 Oct
Authors Yu ZT,Nanthakumar NN,Newburg DS
Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut Inflammation, and Diarrhea.
Nutrients , Volume: 8 Issue: 8 2016 Aug 12
Authors Paganini D,Uyoga MA,Zimmermann MB
An ATP Binding Cassette Transporter Mediates the Uptake of a-(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.
The Journal of biological chemistry , Volume: 291 Issue: 38 2016 Sep 16
Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M
Antimicrobial effects of Lactobacillus plantarum and Lactobacillus acidophilus against multidrug-resistant enteroaggregative Escherichia coli.
International journal of antimicrobial agents , Volume: 48 Issue: 3 2016 Sep
Authors Kumar M,Dhaka P,Vijay D,Vergis J,Mohan V,Kumar A,Kurkure NV,Barbuddhe SB,Malik SV,Rawool DB
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
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 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

Lingonberries alter the gut microbiota and prevent low-grade inflammation in high-fat diet fed mice.
Food & nutrition research , Volume: 60 2016
Authors Heyman-Lindén L,Kotowska D,Sand E,Bjursell M,Plaza M,Turner C,Holm C,Fåk F,Berger K

Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.
Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec
Authors Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichlowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM

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

Lingonberries reduce atherosclerosis in Apoe(-/-) mice in association with altered gut microbiota composition and improved lipid profile.
Molecular nutrition & food research , Volume: 60 Issue: 5 2016 May
Authors Matziouridou C,Marungruang N,Nguyen TD,Nyman M,Fåk F

Purification and characteristics of a novel bacteriocin produced by Enterococcus faecalis L11 isolated from Chinese traditional fermented cucumber.
Biotechnology letters , Volume: 38 Issue: 5 2016 May
Authors Gao Y,Li B,Li D,Zhang L

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

High purity galacto-oligosaccharides enhance specific Bifidobacterium species and their metabolic activity in the mouse gut microbiome.
Beneficial microbes , Volume: 7 Issue: 2 2016
Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA

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

Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.
Korean journal for food science of animal resources , Volume: 35 Issue: 5 2015
Authors Park SY,Lim SD

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

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

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

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

Effects of probiotics Pediococcus acidilactici strain MA18/5M and Saccharomyces cerevisiae subsp. boulardii strain SB-CNCM I-1079 on fecal and intestinal microbiota of nursing and weanling piglets.

Journal of animal science , Volume: 93 Issue: 11 2015 Nov

Authors Brousseau JP,Talbot G,Beaudoin F,Lauzon K,Roy D,Lessard M

Membrane filter method to study the effects of Lactobacillus acidophilus and Bifidobacterium longum on fecal microbiota.

Microbiology and immunology , Volume: 59 Issue: 11 2015 Nov

Authors Shimizu H,Benno Y

Effect of Bacillus subtilis CGMCC 1.1086 on the growth performance and intestinal microbiota of broilers.

Journal of applied microbiology , Volume: 120 Issue: 1 2016 Jan

Authors Li Y,Xu Q,Huang Z,Lv L,Liu X,Yin C,Yan H,Yuan J

Brevibacillus laterosporus, a Pathogen of Invertebrates and a Broad-Spectrum Antimicrobial Species.

Insects , Volume: 4 Issue: 3 2013 Sep 5

Authors Ruiu L

Bacteriocin-producing strains of Lactobacillus plantarum inhibit adhesion of Staphylococcus aureus to extracellular matrix: quantitative insight and implications in antibacterial therapy.

Journal of medical microbiology , Volume: 64 Issue: 12 2015 Dec

Authors Mukherjee S,Ramesh A

Effects of dietary supplementation with lysine-yielding Bacillus subtilis on gut morphology, cecal microflora, and intestinal immune response of Linwu ducks.

Journal of animal science , Volume: 93 Issue: 7 2015 Jul

Authors Xing Y,Wang S,Fan J,Oso AO,Kim SW,Xiao D,Yang T,Liu G,Jiang G,Li Z,Li L,Zhang B

[Effect of probiotic product containing bifidobacteria and biogel from brown algae on the intestinal microflora and parameters of innate immunity in mice with experimental drug dysbacteriosis].

Voprosy pitaniia , Volume: 84 Issue: 1 2015

Authors Kuznetsova TA,Makarenkova ID,Koneva EL,Aminina NM,Yakush EV

Microbial populations and fermentation profiles in rumen liquid and solids of Holstein cows respond differently to dietary barley processing.

Journal of applied microbiology , Volume: 119 Issue: 6 2015 Dec

Authors Metzler-Zebeli BU,Khol-Parisini A,Gruber L,Zebeli Q

Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

Effects of pre-encapsulated and pro-encapsulated Enterococcus faecalis on growth performance, blood characteristics, and cecal microflora in broiler chickens.

Poultry science , Volume: 94 Issue: 11 2015 Nov

Authors Zhang L,Li J,Yun TT,Qi WT,Liang XX,Wang YW,Li AK

Characterization of the Intestinal Lactobacilli Community following Galactooligosaccharides and Polydextrose Supplementation in the Neonatal Piglet.

PloS one , Volume: 10 Issue: 8 2015

Authors Hoeflinger JL,Kashtanov DO,Cox SB,Dowd SE,Jouni ZE,Donovan SM,Miller MJ

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

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

Effect of daily intake of pomegranate juice on fecal microbiota and feces metabolites from healthy volunteers.

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Mosele JI,Gosalbes MJ,Macià A,Rubió L,Vázquez-Castellanos JF,Jiménez Hernández N,Moya A,Latorre A,Motilva MJ

Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.

The Journal of nutrition , Volume: 145 Issue: 9 2015 Sep

Authors Holscher HD,Bauer LL,Gourineni V,Pelkman CL,Fahey GC Jr,Swanson KS

Pomegranate extract induces ellagitannin metabolite formation and changes stool microbiota in healthy volunteers.
Food & function , Volume: 6 Issue: 8 2015 Aug
Authors Li Z,Henning SM,Lee RP,Lu QY,Summanen PH,Thames G,Corbett K,Downes J,Tseng CH,Finegold SM,Heber D

Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.
Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct
Authors Zhong Y,Nyman M,Fåk F

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

In situ identification and quantification of starch-hydrolyzing bacteria attached to barley and corn grain in the rumen of cows fed barley-based diets.
FEMS microbiology ecology , Volume: 91 Issue: 8 2015 Aug
Authors Xia Y,Kong Y,Seviour R,Yang HE,Forster R,Vasanthan T,McAllister T

In vitro characterisation of the fermentation profile and prebiotic capacity of gold-fleshed kiwifruit.
Beneficial microbes , Volume: 6 Issue: 6 2015
Authors Blatchford P,Bentley-Hewitt KL,Stoklosinski H,McGhie T,Gearry R,Gibson G,Ansell J

In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.
Journal of microbiology and biotechnology , Volume: 25 Issue: 9 2015 Sep
Authors Jung TH,Jeon WM,Han KS

Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects.
Anaerobe , Volume: 34 2015 Aug
Authors Li Z,Summanen PH,Komoriya T,Henning SM,Lee RP,Carlson E,Heber D,Finegold SM

Review article: dietary fibre-microbiota interactions.
Alimentary pharmacology & therapeutics , Volume: 42 Issue: 2 2015 Jul
Authors Simpson HL,Campbell BJ

Bacillus coagulans GBI-30, 6086 Modulates Faecalibacterium prausnitzii in Older Men and Women.
The Journal of nutrition , Volume: 145 Issue: 7 2015 Jul
Authors Nyangale EP,Farmer S,Cash HA,Keller D,Chernoff D,Gibson GR

Design of a papain immobilized antimicrobial food package with curcumin as a crosslinker.
PloS one , Volume: 10 Issue: 4 2015
Authors Manohar CM,Prabhawathi V,Sivakumar PM,Doble M

Effects of Probiotics on Gut Microbiota in Patients with Inflammatory Bowel Disease: A Double-blind, Placebo-controlled Clinical Trial.
The Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi , Volume: 65 Issue: 4 2015 Apr
Authors Shadnoush M,Hosseini RS,Khalilnezhad A,Navai L,Goudarzi H,Vaezjalali M

Effects of two whole-grain barley varieties on caecal SCFA, gut microbiota and plasma inflammatory markers in rats consuming low- and high-fat diets.
The British journal of nutrition , Volume: 113 Issue: 10 2015 May 28
Authors Zhong Y,Marungruang N,Fåk F,Nyman M

Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.
Food chemistry , Volume: 183 2015 Sep 15
Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta MC,Peláez C,Requena T,Bartolomé B

Inhibition of adhesion of intestinal pathogens (Escherichia coli, Vibrio cholerae, Campylobacter jejuni, and Salmonella Typhimurium) by common oligosaccharides.
Foodborne pathogens and disease , Volume: 12 Issue: 4 2015 Apr
Authors Wang S,Wang J,Mou H,Luo B,Jiang X

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

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

Dietary Enterococcus faecalis LAB31 improves growth performance, reduces diarrhea, and increases fecal Lactobacillus number of weaned piglets.

PloS one , Volume: 10 Issue: 1 2015

Authors Hu Y,Dun Y,Li S,Zhang D,Peng N,Zhao S,Liang Y

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

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

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

Metagenomic insights into the effects of fructo-oligosaccharides (FOS) on the composition of fecal microbiota in mice.

Journal of agricultural and food chemistry , Volume: 63 Issue: 3 2015 Jan 28

Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W

Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.

PloS one , Volume: 9 Issue: 11 2014

Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA

Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults.

The Journal of nutrition , Volume: 144 Issue: 11 2014 Nov

Authors Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S

Prebiotic effect of an infant formula supplemented with galacto-oligosaccharides: randomized multicenter trial.

Journal of the American College of Nutrition , Volume: 33 Issue: 5 2014

Authors Giovannini M,Verduci E,Gregori D,Ballali S,Soldi S,Ghisleni D,Riva E,PLAGOS Trial Study Group.

Active dry Saccharomyces cerevisiae can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.

Journal of dairy science , Volume: 97 Issue: 12 2014 Dec

Authors AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW

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

Effect of prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of Bacillus coagulans GBI-30, 6086.

Anaerobe , Volume: 30 2014 Dec

Authors Nyangale EP,Farmer S,Keller D,Chernoff D,Gibson GR

Iron fortification adversely affects the gut microbiome, increases pathogen abundance and induces intestinal inflammation in Kenyan infants.

Gut , Volume: 64 Issue: 5 2015 May

Authors Jaeggi T,Kortman GA,Moretti D,Chassard C,Holding P,Dostal A,Boekhorst J,Timmerman HM,Swinkels DW,Tjalsma H,Njenga J,Mwangi A,Kvalsvig J,Lacroix C,Zimmermann MB

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

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

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

Effect of Feeding Bacillus subtilis natto on Hindgut Fermentation and Microbiota of Holstein Dairy Cows.

Asian-Australasian journal of animal sciences , Volume: 27 Issue: 4 2014 Apr

Authors Song DJ,Kang HY,Wang JQ,Peng H,Bu DP

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

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

Exploring the effects of galacto-oligosaccharides on the gut microbiota of healthy adults receiving amoxicillin treatment.

The British journal of nutrition , Volume: 112 Issue: 4 2014 Aug 28

Authors Ladirat SE,Schoterman MH,Rahaoui H,Mars M,Schuren FH,Gruppen H,Nauta A,Schols HA
Efficacy of Papacarie(®) in reduction of residual bacteria in deciduous teeth: a randomized, controlled clinical trial.
Clinics (Sao Paulo, Brazil) , Volume: 69 Issue: 5 2014
Authors Motta LJ,Bussadori SK,Campanelli AP,Silva AL,Alfaya TA,Godoy CH,Navarro MF
In vitro assessment of marine Bacillus for use as livestock probiotics.
Marine drugs , Volume: 12 Issue: 5 2014 Apr 30
Authors Prieto ML,O`Sullivan L,Tan SP,McLoughlin P,Hughes H,Gutierrez M,Lane JA,Hickey RM,Lawlor PG,Gardiner GE
Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.
Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug
Authors Barroso E,Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T
Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.
Food & function , Volume: 5 Issue: 6 2014 Jun
Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G
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 Lactobacillus plantarum on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.
Canadian journal of microbiology , Volume: 60 Issue: 4 2014 Apr
Authors Shen X,Yi D,Ni X,Zeng D,Jing B,Lei M,Bian Z,Zeng Y,Li T,Xin J
Changes chemopreventive markers in colorectal cancer development after inulin supplementation.
Bratislavske lekarske listy , Volume: 115 Issue: 2 2014
Authors Hijova E,Szabadosova V,Strojny L,Bomba A
Evaluation of the efficacy and safety of a marine-derived Bacillus strain for use as an in-feed probiotic for newly weaned pigs.
PloS one , Volume: 9 Issue: 2 2014
Authors Prieto ML,O'Sullivan L,Tan SP,McLoughlin P,Hughes H,O'Donovan O,Rea MC,Kent RM,Cassidy JP,Gardiner GE,Lawlor PG
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
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
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
Effects of a probiotic, Enterococcus faecium, on growth performance, intestinal morphology, immune response, and cecal microflora in broiler chickens challenged with Escherichia coli K88.
Poultry science , Volume: 92 Issue: 11 2013 Nov
Authors Cao GT,Zeng XF,Chen AG,Zhou L,Zhang L,Xiao YP,Yang CM
In vitro anti-bacterial and anti-adherence effects of Lactobacillus delbrueckii subsp bulgaricus on Escherichia coli.
Research in pharmaceutical sciences , Volume: 8 Issue: 4 2013 Oct
Authors Abedi D,Feizizadeh S,Akbari V,Jafarian-Dehkordi A
Role of probiotics in the prevention and treatment of meticillin-resistant Staphylococcus aureus infections.
International journal of antimicrobial agents , Volume: 42 Issue: 6 2013 Dec
Authors Sikorska H,Smoragiewicz W
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
Kiwifruit (Actinidia deliciosa) changes intestinal microbial profile.
Microbial ecology in health and disease , Volume: 23 2012

Authors Lee YK,Low KY,Siah K,Drummond LM,Gwee KA

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

Effects of dietary supplementation of Bacillus amyloliquefaciens CECT 5940 and Enterococcus faecium CECT 4515 in adult healthy dogs.

Archives of animal nutrition , Volume: 67 Issue: 5 2013

Authors González-Ortiz G,Castillejos L,Mallo JJ,Àngels Calvo-Torras M,Dolores Baucells M

Lowbush wild blueberries have the potential to modify gut microbiota and xenobiotic metabolism in the rat colon.

PloS one , Volume: 8 Issue: 6 2013

Authors Lacombe A,Li RW,Klimis-Zacas D,Kristo AS,Tadepalli S,Krauss E,Young R,Wu VC

In vitro characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production.

Anaerobe , Volume: 23 2013 Oct

Authors Yang J,Martínez I,Walter J,Keshavarzian A,Rose DJ

Effects of microencapsulated Enterococcus fecalis CG1.0007 on growth performance, antioxidation activity, and intestinal microbiota in broiler chickens.

Journal of animal science , Volume: 91 Issue: 9 2013 Sep

Authors Han W,Zhang XL,Wang DW,Li LY,Liu GL,Li AK,Zhao YX

Intestinal microbiology in early life: specific prebiotics can have similar functionalities as human-milk oligosaccharides.

The American journal of clinical nutrition , Volume: 98 Issue: 2 2013 Aug

Authors Oozeer R,van Limpt K,Ludwig T,Ben Amor K,Martin R,Wind RD,Boehm G,Knol J

Fiber and prebiotics: mechanisms and health benefits.

Nutrients , Volume: 5 Issue: 4 2013 Apr 22

Authors Slavin J

Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.

Digestive diseases and sciences , Volume: 58 Issue: 8 2013 Aug

Authors Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M

Influence of coffee (Coffea arabica) and galacto-oligosaccharide consumption on intestinal microbiota and the host responses.

FEMS microbiology letters , Volume: 343 Issue: 2 2013 Jun

Authors Nakayama T,Oishi K

Impact of Bifidobacterium bifidum MIMBb75 on mouse intestinal microorganisms.

FEMS microbiology ecology , Volume: 85 Issue: 2 2013 Aug

Authors Singh N,Arioli S,Wang A,Villa CR,Jahani R,Song YS,Mora D,Guglielmetti S,Comelli EM

Antibacterial activity and mode of action of ferulic and gallic acids against pathogenic bacteria.

Microbial drug resistance (Larchmont, N.Y.) , Volume: 19 Issue: 4 2013 Aug

Authors Borges A,Ferreira C,Saavedra MJ,Simões M

Grain-rich diets differently alter ruminal and colonic abundance of microbial populations and lipopolysaccharide in goats.

Anaerobe , Volume: 20 2013 Apr

Authors Metzler-Zebeli BU,Schmitz-Esser S,Klevenhusen F,Podstatzky-Lichtenstein L,Wagner M,Zebeli Q

Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.

FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun

Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

The inhibitory effect of polyphenols on human gut microbiota.

Journal of physiology and pharmacology : an official journal of the Polish Physiological Society , Volume: 63 Issue: 5 2012 Oct

Authors Duda-Chodak A

In vitro fermentation of commercial a-gluco-oligosaccharide by faecal microbiota from lean and obese human subjects.

The British journal of nutrition , Volume: 109 Issue: 11 2013 Jun

Authors Sarbini SR,Kolida S,Gibson GR,Rastall RA

Effects of oat ß-glucan and barley ß-glucan on fecal characteristics, intestinal microflora, and intestinal bacterial metabolites in rats.

Journal of agricultural and food chemistry , Volume: 60 Issue: 45 2012 Nov 14

Authors Shen RL,Dang XY,Dong JL,Hu XZ

Gut microbiome composition is linked to whole grain-induced immunological improvements.

The ISME journal , Volume: 7 Issue: 2 2013 Feb
Authors Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J
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
Effects of cereal ß-glucans and enzyme inclusion on the porcine gastrointestinal tract microbiota.

Anaerobe , Volume: 18 Issue: 6 2012 Dec
Authors Murphy P,Bello FD,O'Doherty JV,Arendt EK,Sweeney T,Coffey A
Assessment of the in vitro inhibitory activity of specific probiotic bacteria against different Escherichia coli strains.

Journal of clinical gastroenterology , Volume: 46 Suppl 2012 Oct
Authors Mogna L,Del Piano M,Deidda F,Nicola S,Soattini L,Debiaggi R,Sforza F,Strozzi G,Mogna G
Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.

Journal of dairy science , Volume: 95 Issue: 9 2012 Sep
Authors Wang S,Zhu H,Lu C,Kang Z,Luo Y,Feng L,Lu X
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
Effect of chito-oligosaccharide on growth performance, intestinal barrier function, intestinal morphology and cecal microflora in weaned pigs.

Journal of animal science , Volume: 90 Issue: 8 2012 Aug
Authors Yang CM,Ferket PR,Hong QH,Zhou J,Cao GT,Zhou L,Chen AG
Inulin modifies the bifidobacteria population, fecal lactate concentration, and fecal pH but does not influence iron absorption in women with low iron status.

The American journal of clinical nutrition , Volume: 96 Issue: 2 2012 Aug
Authors Petry N,Egli I,Chassard C,Lacroix C,Hurrell R
Microbiota benefits after inulin and partially hydrolized guar gum supplementation: a randomized clinical trial in constipated women.

Nutricion hospitalaria , Volume: 27 Issue: 1 2012 Jan-Feb
Authors Linetzky Waitzberg D,Alves Pereira CC,Logullo L,Manzoni Jacintho T,Almeida D,Teixeira da Silva ML,Matos de Miranda Torrinhas RS
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
The antimicrobial action of chitosan, low molar mass chitosan, and chitooligosaccharides on human colonic bacteria.

Folia microbiologica , Volume: 57 Issue: 4 2012 Jul
Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr
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
Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr
Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM
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
Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut.

Journal of agricultural and food chemistry , Volume: 59 Issue: 24 2011 Dec 28
Authors Vendrame S,Guglielmetti S,Riso P,Arioli S,Klimis-Zacas D,Porrini M
The effect of probiotics on faecal microbiota and genotoxic activity of faecal water in patients with atopic dermatitis: a randomized, placebo-controlled study.

Clinical nutrition (Edinburgh, Scotland) , Volume: 31 Issue: 1 2012 Feb
Authors Roessler A,Forssten SD,Glei M,Ouwehand AC,Jahreis G
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
Effect of banana consumption on faecal microbiota: a randomised, controlled trial.

Anaerobe , Volume: 17 Issue: 6 2011 Dec
Authors Mitsou EK,Kougia E,Nomikos T,Yannakoulia M,Mountzouris KC,Kyriacou A
Cytotoxicity, antiviral and antimicrobial activities of alkaloids, flavonoids, and phenolic acids.

Pharmaceutical biology , Volume: 49 Issue: 4 2011 Apr
Authors Ozçelik B,Kartal M,Orhan 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
The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote d'Ivoire.

The American journal of clinical nutrition , Volume: 92 Issue: 6 2010 Dec
Authors Zimmermann MB,Chassard C,Rohner F,N'goran EK,Nindjin C,Dostal A,Utzinger J,Ghattas H,Lacroix C,Hurrell RF
Effect of ß-glucanase and xylanase supplementation of barley- and rye-based diets on caecal microbiota of broiler chickens.

British poultry science , Volume: 51 Issue: 4 2010 Aug
Authors Jozefiak D,Rutkowski A,Kaczmarek S,Jensen BB,Engberg RM,Højberg O
[Functional biostructure of colonic microbiota (central fermenting area, germinal stock area and separating mucus layer) in healthy subjects and patients with diarrhea treated with Saccharomyces boulardii].

Gastroenterologie clinique et biologique , Volume: 34 Suppl 1 2010 Sep
Authors Swidsinski A,Loening-Baucke V,Kirsch S,Doerffel Y
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
The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota.

International journal of food microbiology , Volume: 140 Issue: 2-3 2010 Jun 15
Authors Bialonska D,Ramnani P,Kasimsetty SG,Muntha KR,Gibson GR,Ferreira D
Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.

The British journal of nutrition , Volume: 104 Issue: 7 2010 Oct
Authors Balamurugan R,Mary RR,Chittaranjan S,Jancy H,Shobana Devi R,Ramakrishna BS
Consumption of human milk oligosaccharides by gut-related microbes.

Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12
Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA
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
Effect of apple intake on fecal microbiota and metabolites in humans.

Anaerobe , Volume: 16 Issue: 5 2010 Oct
Authors Shinohara K,Ohashi Y,Kawasumi K,Terada A,Fujisawa T
Probiotics have clinical, microbiologic, and immunologic efficacy in acute infectious diarrhea.

The Pediatric infectious disease journal , Volume: 29 Issue: 2 2010 Feb
Authors Chen CC,Kong MS,Lai MW,Chao HC,Chang KW,Chen SY,Huang YC,Chiu CH,Li WC,Lin PY,Chen CJ,Li TY
Characterization and antimicrobial spectrum of bacteriocins produced by lactic acid bacteria isolated from traditional Bulgarian dairy products.

Journal of applied microbiology , Volume: 106 Issue: 2 2009 Feb

Authors Simova ED,Beshkova DB,Dimitrov ZhP
In vitro effects of selected synbiotics on the human faecal microbiota composition.
FEMS microbiology ecology , Volume: 66 Issue: 3 2008 Dec
Authors Saulnier DM,Gibson GR,Kolida S
In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.
FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun
Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA
Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.
Alimentary pharmacology & therapeutics , Volume: 27 Issue: 6 2008 Mar 15
Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K
Inhibitory effect of Gram-negative and Gram-positive microorganisms against Helicobacter pylori clinical isolates.
The Journal of antimicrobial chemotherapy , Volume: 61 Issue: 1 2008 Jan
Authors López-Brea M,Alarcón T,Domingo D,Díaz-Regañón J
Evaluation of fermentable oligosaccharides in diets fed to dogs in comparison to fiber standards.
Journal of animal science , Volume: 85 Issue: 11 2007 Nov
Authors Middelbos IS,Fastinger ND,Fahey GC Jr
Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.
The British journal of nutrition , Volume: 98 Issue: 3 2007 Sep
Authors Kleessen B,Schwarz S,Boehm A,Fuhrmann H,Richter A,Henle T,Krueger M
Impact of consumption of different levels of Bifidobacterium lactis HN019 on the intestinal microflora of elderly human subjects.
The journal of nutrition, health & aging , Volume: 11 Issue: 1 2007 Jan-Feb
Authors Ahmed M,Prasad J,Gill H,Stevenson L,Gopal P
Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.
Asia Pacific journal of clinical nutrition , Volume: 16 Issue: 1 2007
Authors Kim SH,Lee DH,Meyer D
Physiological effects of extraction juices from apple, grape, and red beet pomaces in rats.
Journal of agricultural and food chemistry , Volume: 54 Issue: 26 2006 Dec 27
Authors Sembries S,Dongowski G,Mehrländer K,Will F,Dietrich H
Effects of Bifidobacterium lactis Bb12 supplementation on intestinal microbiota of preterm infants: a double-blind, placebo-controlled, randomized study.
Journal of clinical microbiology , Volume: 44 Issue: 11 2006 Nov
Authors Mohan R,Koebnick C,Schildt J,Schmidt S,Mueller M,Possner M,Radke M,Blaut M
Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.
Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct
Authors Knol J,Boehm G,Lidestri M,Negretti F,Jelinek J,Agosti M,Stahl B,Marini A,Mosca F
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
Microbiological effects of consuming a synbiotic containing Bifidobacterium bifidum, Bifidobacterium lactis, and oligofructose in elderly persons, determined by real-time polymerase chain reaction and counting of viable bacteria.
Clinical infectious diseases : an official publication of the Infectious Diseases Society of America , Volume: 40 Issue: 1 2005 Jan 1
Authors Bartosch S,Woodmansey EJ,Paterson JC,McMurdo ME,Macfarlane GT
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
Interaction between probiotic lactic acid bacteria and canine enteric pathogens: a risk factor for intestinal Enterococcus faecium colonization?
Veterinary microbiology , Volume: 92 Issue: 1-2 2003 Mar 20
Authors Rinkinen M,Jalava K,Westermarck E,Salminen S,Ouwehand AC
Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.
The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec
Authors Dongowski G,Huth M,Gebhardt E,Flamme W
Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct
Authors Apajalahti JH,Kettunen H,Kettunen A,Holben WE,Nurminen PH,Rautonen N,Mutanen M
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
Prebiotic treatment of experimental colitis with germinated barley foodstuff: a comparison with probiotic or antibiotic treatment.

International journal of molecular medicine , Volume: 9 Issue: 1 2002 Jan
Authors Fukuda M,Kanauchi O,Araki Y,Andoh A,Mitsuyama K,Takagi K,Toyonaga A,Sata M,Fujiyama Y,Fukuoka M,Matsumoto Y,Bamba T
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
Enrichment of bifidobacteria in the hen caeca by dietary inulin.

Folia microbiologica , Volume: 46 Issue: 1 2001
Authors Rada V,Dusková D,Marounek M,Petr J
Suppressive effects of bifidobacteria on lipid peroxidation in the colonic mucosa of iron-overloaded mice.

Journal of dairy science , Volume: 84 Issue: 7 2001 Jul
Authors Ito M,Sawada H,Ohishi K,Yoshida Y,Yokoi W,Watanabe T,Yokokura T
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
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
Changes in fecal microflora induced by intubation of mice with Bacillus subtilis (natto) spores are dependent upon dietary components.

Canadian journal of microbiology , Volume: 45 Issue: 1 1999 Jan
Authors Hosoi T,Ametani A,Kiuchi K,Kaminogawa S
Does probiotics administration decrease serum endotoxin levels in infants?

Journal of pediatric surgery , Volume: 34 Issue: 2 1999 Feb
Authors Urao M,Fujimoto T,Lane GJ,Seo G,Miyano T
Increased growth of Bifidobacterium and Eubacterium by germinated barley foodstuff, accompanied by enhanced butyrate production in healthy volunteers.

International journal of molecular medicine , Volume: 3 Issue: 2 1999 Feb
Authors Kanauchi O,Fujiyama Y,Mitsuyama K,Araki Y,Ishii T,Nakamura T,Hitomi Y,Agata K,Saiki T,Andoh A,Toyonaga A,Bamba T
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
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
Health benefits of non-digestible oligosaccharides.

Advances in experimental medicine and biology , Volume: 427 1997
Authors Roberfroid MB
Bromelain prevents secretion caused by Vibrio cholerae and Escherichia coli enterotoxins in rabbit ileum in vitro.

Gastroenterology , Volume: 113 Issue: 1 1997 Jul
Authors Mynott TL,Guandalini S,Raimondi F,Fasano A
Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.

The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May
Authors Kleessen B,Sykura B,Zunft HJ,Blaut M
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

Antimicrobial and antioxidant activities of unripe papaya.
Life sciences , Volume: 53 Issue: 17 1993
Authors Osato JA,Santiago LA,Remo GM,Cuadra MS,Mori A

Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture.
FEMS microbiology letters , Volume: 118 Issue: 1-2 1994 May 1
Authors Gibson GR,Wang X

Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.
Gastroenterology , Volume: 108 Issue: 4 1995 Apr
Authors Gibson GR,Beatty ER,Wang X,Cummings JH

The effect of a probiotic on faecal and liver lipid classes in rats.
The British journal of nutrition , Volume: 73 Issue: 5 1995 May
Authors Fukushima M,Nakano M

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

Diet and faecal flora in the newborn: iron.
Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec
Authors Balmer SE,Wharton BA

Effects of probiotic Enterococcus faecium NCIMB 11181 administration on swine fecal microbiota diversity and composition using barcoded pyrosequencing
Animal Feed Science and Technology , Volume: 201 2015 Mar
Authors Edward Alain B.Pajarillo,Dae-Kyung Kang,Chan-Soo Park,Hyeun Bum Kim,Marilen P Balolong

Curated database of commensal, symbiotic and pathogenic microbiota
Generative Bioinformatics , Volume: Issue: 2014 Jun
Authors D'Adamo Peter

Additional APriori Analysis Available

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

Abdominal Aortic Aneurysm
Acne
Addison's Disease (hypocortisolism)
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
Biofilm
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
Cognitive Function
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
Cushing's Syndrome (hypercortisolism)
cystic fibrosis
d-lactic acidosis (one form of brain fog)
deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
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
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
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

ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
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
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
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
Vitiligo