Microbiome Information for: Crohn's Disease

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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Email: Research@MicrobiomePrescription.com

Our Facebook Discussion Page

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Crohn's Disease

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

Bacteria Name	Rank	Shift	Taxonomy ID
Clostridia	*class*	Low	*186801*
Halobacteria	*class*	High	*183963*
Thermoplasmata	*class*	High	*183967*
Thermoprotei	*class*	High	*183924*
Aerococcaceae	*family*	High	*186827*
Bifidobacteriaceae	*family*	Low	*31953*
Christensenellaceae	*family*	Low	*990719*
Enterobacteriaceae	*family*	High	*543*
Lachnospiraceae	*family*	Low	*186803*
Ruminococcaceae	*family*	Low	*541000*
Abiotrophia	*genus*	Low	*46123*
Acetobacter	*genus*	Low	*434*
Acidaminococcus	*genus*	Low	*904*
Actinobacillus	*genus*	High	*713*
Actinomyces	*genus*	High	*1654*
Adlercreutzia	*genus*	High	*447020*
Alistipes	*genus*	High	*239759*
Anaerofustis	*genus*	Low	*264995*
Anaerostipes	*genus*	Low	*207244*
Anaerotruncus	*genus*	High	*244127*
Atopobium	*genus*	High	*1380*
Barnesiella	*genus*	High	*397864*
Bilophila	*genus*	High	*35832*
Blautia	*genus*	Low	*572511*
Burkholderia	*genus*	High	*32008*
Butyricicoccus	*genus*	Low	*580596*
Butyrivibrio	*genus*	Low	*830*
Candida	*genus*	High	*1535326*
Candidatus Soleaferrea	*genus*	High	*1470353*
Catenibacterium	*genus*	Low	*135858*
Ceduovirus	*genus*	Low	*186532*
Cetobacterium	*genus*	High	*180162*
Clostridium	*genus*	High	*1485*
Colidextribacter	*genus*	Low	*1980681*
Collinsella	*genus*	Low	*102106*
Coprococcus	*genus*	Low	*33042*
Corynebacterium	*genus*	Low	*1716*
Dehalobacterium	*genus*	Low	*51514*
Desulfovibrio	*genus*	Low	*872*
Dialister	*genus*	High	*39948*
Dielma	*genus*	High	*1472649*
Klebsiella	*genus*	Low	*570*
Lachnoclostridium	*genus*	High	*1506553*
Lachnospira	*genus*	Low	*28050*
Lactobacillus	*genus*	High	*1578*
Lactococcus	*genus*	Low	*1357*
Leuconostoc	*genus*	High	*1243*
Malassezia	*genus*	Low	*55193*
Marvinbryantia	*genus*	Low	*248744*
Methanobrevibacter	*genus*	Low	*2172*
Methanosphaera	*genus*	High	*2316*
Mogibacterium	*genus*	High	*86331*
Monoglobus	*genus*	Low	*2039302*
Olsenella	*genus*	Low	*133925*
Paenibacillus	*genus*	Low	*44249*
Parvimonas	*genus*	High	*543311*
Peptostreptococcus	*genus*	High	*1257*
Phascolarctobacterium	*genus*	Low	*33024*
Picrophilus	*genus*	High	*46631*
Polynucleobacter	*genus*	High	*44013*
Porphyromonas	*genus*	Low	*836*
Prevotella	*genus*	Low	*838*
Proteus	*genus*	High	*583*
Proteus	*genus*	High	*210425*
Pseudomonas	*genus*	Low	*286*
Romboutsia	*genus*	Low	*1501226*
Roseburia	*genus*	Low	*841*
Ruminococcus	*genus*	Low	*1263*
Shigella	*genus*	High	*620*
Slackia	*genus*	Low	*84108*
Solobacterium	*genus*	High	*123375*
Succinatimonas	*genus*	High	*674963*
Sutterella	*genus*	Low	*40544*
Thermoanaerobacter	*genus*	High	*1754*
Treponema	*genus*	Low	*157*
Turicibacter	*genus*	Low	*191303*
Tyzzerella	*genus*	High	*1506577*
Veillonella	*genus*	High	*29465*
Vibrio	*genus*	High	*662*
Eubacteriales	*order*	Low	*186802*
Lactobacillales	*order*	High	*186826*
Verrucomicrobiales	*order*	High	*48461*

Bacteria Name	Rank	Shift	Taxonomy ID
Dorea	*genus*	Low	*189330*
Eggerthella	*genus*	High	*84111*
Eisenbergiella	*genus*	High	*1432051*
Enterobacter	*genus*	High	*547*
Enterococcus	*genus*	High	*1350*
Escherichia	*genus*	High	*561*
Facklamia	*genus*	Low	*66831*
Faecalibacterium	*genus*	Low	*216851*
Fusicatenibacter	*genus*	Low	*1407607*
Fusobacterium	*genus*	High	*848*
Gemmiger	*genus*	Low	*204475*
Gordonibacter	*genus*	High	*644652*
Haemophilus	*genus*	High	*724*
Halococcus	*genus*	High	*2249*
Holdemanella	*genus*	Low	*1573535*
Hungatella	*genus*	High	*1649459*
Isoptericola	*genus*	High	*254250*
Jonquetella	*genus*	High	*428711*

Bacteria Name	Rank	Shift	Taxonomy ID
[Clostridium] leptum	*species*	Low	*1535*
[Ruminococcus] gnavus	*species*	High	*33038*
Agathobacter rectalis	*species*	Low	*39491*
Alistipes shahii	*species*	Low	*328814*
Anaerobutyricum hallii	*species*	Low	*39488*
Bacteroides uniformis	*species*	High	*820*
Blautia coccoides	*species*	Low	*1532*
Blautia faecis	*species*	High	*871665*
Escherichia coli	*species*	High	*562*
Faecalibacterium prausnitzii	*species*	Low	*853*
Faecalicatena fissicatena	*species*	High	*290055*
Francisella tularensis	*species*	Low	*263*
Fusobacterium nucleatum	*species*	High	*851*
Hoylesella oralis	*species*	High	*28134*
Isoptericola variabilis	*species*	High	*139208*
Lachnospira eligens	*species*	Low	*39485*
Pseudodesulfovibrio aespoeensis	*species*	Low	*182210*
Roseburia inulinivorans	*species*	High	*360807*
Roseburia sp.	*species*	Low	*2049040*

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.

candida albicans (prescription)
carboxymethyl cellulose (prebiotic)
carob
d-ribose 10 gram/day
fluorine
GABA 6 gram/day
grape polyphenols
green-lipped mussel
lactulose
linseed(flaxseed) 30 mg/day
mannooligosaccharide (prebiotic) 8 gram/day
raffinose(sugar beet)
resveratrol (grape seed/polyphenols/red wine) 2 gram/day
Sauerkraut
sesame cake/meal
smoking
symbioflor 2 e.coli probiotics

Retail Probiotics

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

- **symbiopharm / symbioflo 2**

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

Substance to Consider Reducing or Eliminating

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

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

- arabinogalactan (prebiotic)
- bacillus subtilis (probiotics)
- bifidobacterium longum (probiotics)
- Cacao
- cinnamon (oil. spice)
- clostridium butyricum (probiotics),Miya,Miyarisan
- Curcumin
- foeniculum vulgare,fennel
- garlic (allium sativum)
- inulin (prebiotic)
- lactobacillus casei (probiotics)
- lactobacillus paracasei (probiotics)
- lactobacillus plantarum (probiotics)
- lactobacillus reuteri (probiotics)
- lactobacillus rhamnosus gg (probiotics)
- Limosilactobacillus fermentum (probiotic)
- oregano (origanum vulgare, oil) |
- quebracho
- rosmarinus officinalis,rosemary
- soy
- syzygium aromaticum (clove)
- thyme (thymol, thyme oil)
- triphala
- vitamin d
- wheat

Sample of Literature Used

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

Gut microbiota signatures in inflammatory bowel disease.
United European gastroenterology journal , 2023 Dec 2
Authors Vestergaard MV,Allin KH,Eriksen C,Zakerska-Banaszak O,Arasaradnam RP,Alam MT,Kristiansen K,Brix S,Jess T

Alterations in intestinal Archaea composition in pediatric patients with Crohn`s disease based on next-generation sequencing - a pilot study.
Gut microbes , Volume: 15 Issue: 2 2023 Dec
Authors Krawczyk A,Gosiewski T,Zapala B,Kowalska-Duplaga K,Salamon D

Diagnosis of Crohn`s disease and ulcerative colitis using the microbiome.
BMC microbiology , Volume: 23 Issue: 1 2023 Nov 11
Authors Kang DY,Park JL,Yeo MK,Kang SB,Kim JM,Kim JS,Kim SY

Gut microbiota in the early stage of Crohn`s disease has unique characteristics.
Gut pathogens , Volume: 14 Issue: 1 2022 Dec 14
Authors Ma X,Lu X,Zhang W,Yang L,Wang D,Xu J,Jia Y,Wang X,Xie H,Li S,Zhang M,He Y,Jin P,Sheng J

Gut microbiota alterations in stable outpatients with schizophrenia: Findings from a case-control study.
Acta neuropsychiatrica , 2022 Dec 12
Authors Misiak B,Piotrowski P,Cyran A,Kowalski K,Samochowiec J,Jablonski M,Plichta P,Laczmanski L,Zebrowska P,Kujawa D,Loniewski I,Kaczmarczyk M

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

Association of Fungi and Archaea of the Gut Microbiota with Crohn`s Disease in Pediatric Patients-Pilot Study.
Pathogens (Basel, Switzerland) , Volume: 10 Issue: 9 2021 Sep 1
Authors Krawczyk A,Salamon D,Kowalska-Duplaga K,Bogiel T,Gosiewski T

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

The relationship between the commensal microbiota levels and Crohn`s disease activity.
JGH open : an open access journal of gastroenterology and hepatology , Volume: 4 Issue: 5 2020 Oct
Authors de Alencar Junior H,Paiotti APR,de Araújo Filho HB,Oshima CTF,Miszputen SJ,Ambrogini-Júnior O

Systematic review and meta-analysis of the role of Faecalibacterium prausnitzii alteration in inflammatory bowel disease.
Journal of gastroenterology and hepatology , 2020 Aug 19
Authors Zhao H,Xu H,Chen S,He J,Zhou Y,Nie Y

Identification of Prevotella Oralis as a possible target antigen in children with Enthesitis related arthritis.
Clinical immunology (Orlando, Fla.) , Volume: 216 2020 Jul
Authors Stoll ML,Duck LW,Chang MH,Colbert RA,Nigrovic PA,Thompson SD,Elson CO

Adalimumab Therapy Improves Intestinal Dysbiosis in Crohn`s Disease.
Journal of clinical medicine , Volume: 8 Issue: 10 2019 Oct 9
Authors Ribaldone DG,Caviglia GP,Abdulle A,Pellicano R,Ditto MC,Morino M,Fusaro E,Saracco GM,Astegiano M

Microbial dysbiosis in inflammatory bowel diseases: results of a metagenomic study in Saudi Arabia.
Minerva gastroenterologica e dietologica , 2019 Jul 9
Authors Masoodi I,Alshanqeeti AS,Ahmad S,Alyamani EJ,Allehibi AA,Qutub AN,Alsayari KN,Alomair AO

Diversity of Gut Microbiota Affecting Serum Level of Undercarboxylated Osteocalcin in Patients with Crohn`s Disease.
Nutrients , Volume: 11 Issue: 7 2019 Jul 8
Authors Wagatsuma K,Yamada S,Ao M,Matsuura M,Tsuji H,Iida T,Miyamoto K,Oka K,Takahashi M,Tanaka K,Nakase H

Ruminococcus gnavus, a member of the human gut microbiome associated with Crohn`s disease, produces an inflammatory polysaccharide.
Proceedings of the National Academy of Sciences of the United States of America , Volume: 116 Issue: 26 2019 Jun 25
Authors Henke MT,Kenny DJ,Cassilly CD,Vlamakis H,Xavier RJ,Clardy J

A Metagenomic Meta-analysis Reveals Functional Signatures of Health and Disease in the Human Gut Microbiome.
mSystems , Volume: 4 Issue: 4 2019 Jul-Aug
Authors Armour CR,Nayfach S,Pollard KS,Sharpton TJ

The Human Mesenteric Lymph Node Microbiome Differentiates Between Crohn`s Disease and Ulcerative Colitis.

Journal of Crohn`s & colitis , Volume: 13 Issue: 1 2019 Jan 1
Authors Kiernan MG,Coffey JC,McDermott K,Cotter PD,Cabrera-Rubio R,Kiely PA,Dunne CP
Gastrointestinal Pathobionts in Pediatric Crohn`s Disease Patients.
International journal of microbiology , Volume: 2018 2018
Authors Purcell RV,Kaakoush NO,Mitchell HM,Pearson JF,Keenan JI
Gut microbiota influences Alzheimer`s disease pathogenesis by regulating acetate in Drosophila model.
Future microbiology , 2018 Jul 25
Authors Kong Y,Jiang B,Luo X
Gut Microbiota Offers Universal Biomarkers across Ethnicity in Inflammatory Bowel Disease Diagnosis and Infliximab Response Prediction.
mSystems , Volume: 3 Issue: 1 2018 Jan-Feb
Authors Zhou Y,Xu ZZ,He Y,Yang Y,Liu L,Lin Q,Nie Y,Li M,Zhi F,Liu S,Amir A,González A,Tripathi A,Chen M,Wu GD,Knight R,Zhou H,Chen Y
Alzheimer`s disease and gut microbiota modifications: The long way between preclinical studies and clinical evidence.
Pharmacological research , Volume: 129 2018 Mar
Authors Mancuso C,Santangelo R
Characteristics of Faecal Microbiota in Paediatric Crohn`s Disease and Their Dynamic Changes During Infliximab Therapy.
Journal of Crohn`s & colitis , Volume: 12 Issue: 3 2018 Feb 28
Authors Wang Y,Gao X,Ghozlane A,Hu H,Li X,Xiao Y,Li D,Yu G,Zhang T
Correlation between intestinal flora and serum inflammatory factors in patients with Crohn`s disease.
European review for medical and pharmacological sciences , Volume: 21 Issue: 21 2017 Nov
Authors Zhang J,Chen SL,Li LB
Analysis of endoscopic brush samples identified mucosa-associated dysbiosis in inflammatory bowel disease.
Journal of gastroenterology , Volume: 53 Issue: 1 2018 Jan
Authors Nishino K,Nishida A,Inoue R,Kawada Y,Ohno M,Sakai S,Inatomi O,Bamba S,Sugimoto M,Kawahara M,Naito Y,Andoh A
Reduced Abundance of Butyrate-Producing Bacteria Species in the Fecal Microbial Community in Crohn`s Disease.
Digestion , Volume: 93 Issue: 1 2016
Authors Takahashi K,Nishida A,Fujimoto T,Fujii M,Shioya M,Imaeda H,Inatomi O,Bamba S,Sugimoto M,Andoh A
Recent advances in characterizing the gastrointestinal microbiome in Crohn`s disease: a systematic review.
Inflammatory bowel diseases , Volume: 21 Issue: 6 2015 Jun
Authors Wright EK,Kamm MA,Teo SM,Inouye M,Wagner J,Kirkwood CD
Alterations in the intestinal microbiome (dysbiosis) as a predictor of relapse after infliximab withdrawal in Crohn`s disease.
Inflammatory bowel diseases , Volume: 20 Issue: 6 2014 Jun
Authors Rajca S,Grondin V,Louis E,Vernier-Massouille G,Grimaud JC,Bouhnik Y,Laharie D,Dupas JL,Pillant H,Picon L,Veyrac M,Flamant M,Savoye G,Jian R,Devos M,Paintaud G,Piver E,Allez M,Mary JY,Sokol H,Colombel JF,Seksik P
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
[Intestinal dysbiosis in pediatric patients with Crohn`s disease].
Nutricion hospitalaria , Volume: 28 Issue: 6 2013 Nov 1
Authors Pueyo B,Mach N
Increased proportions of Bifidobacterium and the Lactobacillus group and loss of butyrate-producing bacteria in inflammatory bowel disease.
Journal of clinical microbiology , Volume: 52 Issue: 2 2014 Feb
Authors Wang W,Chen L,Zhou R,Wang X,Song L,Huang S,Wang G,Xia B
Altered intestinal microbiota and blood T cell phenotype are shared by patients with Crohn`s disease and their unaffected siblings.
Gut , Volume: 63 Issue: 10 2014 Oct
Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Taylor K,Prescott NJ,Murrells T,Stagg AJ,Whelan K,Lindsay JO
Increase of faecal tryptic activity relates to changes in the intestinal microbiome: analysis of Crohn`s disease with a multidisciplinary platform.
PloS one , Volume: 8 Issue: 6 2013
Authors Midtvedt T,Zabarovsky E,Norin E,Bark J,Gizatullin R,Kashuba V,Ljungqvist O,Zabarovska V,Möllby R,Ernberg I
Decreased abundance of Faecalibacterium prausnitzii in the gut microbiota of Crohn`s disease.
Journal of gastroenterology and hepatology , Volume: 28 Issue: 4 2013 Apr
Authors Fujimoto T,Imaeda H,Takahashi K,Kasumi E,Bamba S,Fujiyama Y,Andoh A

Microbiota of de-novo pediatric IBD: increased Faecalibacterium prausnitzii and reduced bacterial diversity in Crohn`s but not in ulcerative colitis.

The American journal of gastroenterology , Volume: 107 Issue: 12 2012 Dec

Authors Hansen R,Russell RK,Reiff C,Louis P,McIntosh F,Berry SH,Mukhopadhya I,Bisset WM,Barclay AR,Bishop J,Flynn DM,McGrogan P,Loganathan S,Mahdi G,Flint HJ,El-Omar EM,Hold GL

Terminal restriction fragment length polymorphism analysis of the gut microbiota profiles of pediatric patients with inflammatory bowel disease.

Digestion , Volume: 86 Issue: 2 2012

Authors Aomatsu T,Imaeda H,Fujimoto T,Takahashi K,Yoden A,Tamai H,Fujiyama Y,Andoh A

Changes of faecal microbiota in patients with Crohn`s disease treated with an elemental diet and total parenteral nutrition.

Digestive and liver disease : official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver , Volume: 44 Issue: 9 2012 Sep

Authors Shiga H,Kajiura T,Shinozaki J,Takagi S,Kinouchi Y,Takahashi S,Negoro K,Endo K,Kakuta Y,Suzuki M,Shimosegawa T

Multicenter analysis of fecal microbiota profiles in Japanese patients with Crohn`s disease.

Journal of gastroenterology , Volume: 47 Issue: 12 2012 Dec

Authors Andoh A,Kuzuoka H,Tsujikawa T,Nakamura S,Hirai F,Suzuki Y,Matsui T,Fujiyama Y,Matsumoto T

Additional sources and private correspondance

Private Correspondance , Volume: 1 Issue: 2018

sRAGE-binding and antimicrobial bioactivities of soy and pea protein after heating and in vitro infant digestion.

Food research international (Ottawa, Ont.) , Volume: 183 2024 May

Authors Tang J,Teodorowicz M,Boeren S,Wichers HJ,Hettinga KA

Resveratrol Improves Hyperuricemia and Ameliorates Renal Injury by Modulating the Gut Microbiota.

Nutrients , Volume: 16 Issue: 7 2024 Apr 7

Authors Zhou Y,Zeng Y,Wang R,Pang J,Wang X,Pan Z,Jin Y,Chen Y,Yang Y,Ling W

Effect of Lactobacillus plantarum BFS1243 on a female frailty model induced by fecal microbiota transplantation in germ-free mice.

Food & function , 2024 Mar 22

Authors Dong S,Zeng Q,He W,Cheng W,Zhang L,Zhong R,He W,Fang X,Wei H

Diet Mediate the Impact of Host Habitat on Gut Microbiome and Influence Clinical Indexes by Modulating Gut Microbes and Serum Metabolites.

Advanced science (Weinheim, Baden-Wurttemberg, Germany) , 2024 Mar 13

Authors Zhang J,Qi H,Li M,Wang Z,Jia X,Sun T,Du S,Su C,Zhi M,Du W,Ouyang Y,Wang P,Huang F,Jiang H,Li L,Bai J,Wei Y,Zhang X,Wang H,Zhang B,Feng Q

Effects of Dietary Limosilactobacillus fermentum and Lacticaseibacillus paracasei Supplementation on the Intestinal Stem Cell Proliferation, Immunity, and Ileal Microbiota of Broiler Chickens Challenged by Coccidia and Clostridium perfringens.

Animals : an open access journal from MDPI , Volume: 13 Issue: 24 2023 Dec 15

Authors Guo S,Tong W,Qi Y,Jiang M,Li P,Zhang Z,Hu Q,Song Z,Ding B

Effects of Spirulina platensis and/or Allium sativum on Antioxidant Status, Immune Response, Gut Morphology, and Intestinal Lactobacilli and Coliforms of Heat-Stressed Broiler Chicken.

Veterinary sciences , Volume: 10 Issue: 12 2023 Nov 27

Authors Attia YA,Hassan RA,Addeo NF,Bovera F,Alhotan RA,Al-Qurashi AD,Al-Baadani HH,Al-Banoby MA,Khafaga AF,Eisenreich W,Shehata AA,Basiouni S

Beneficial effects of GABA-producing potential probiotic Limosilactobacillus fermentum L18 of human origin on intestinal permeability and human gut microbiota.

Microbial cell factories , Volume: 22 Issue: 1 2023 Dec 12

Authors Kaur S,Sharma P,Mayer MJ,Neuert S,Narbad A,Kaur S

The Dose-Response Effect of Fluoride Exposure on the Gut Microbiome and Its Functional Pathways in Rats.

Metabolites , Volume: 13 Issue: 11 2023 Nov 17

Authors Mo Z,Wang J,Meng X,Li A,Li Z,Que W,Wang T,Tarnue KF,Ma X,Liu Y,Yan S,Wu L,Zhang R,Pei J,Wang X

Manno-oligosaccharides from Cassia Seed Gum Attenuate Atherosclerosis through Inflammation Modulation and Intestinal Barrier Integrity Improvement in ApoE(-/-) Mice.

Molecular nutrition & food research , 2023 Nov 15

Authors Li J,Zhen H,Yang S,Yan Q,Jiang Z

Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.

International journal of biological macromolecules , Volume: 254 Issue: Pt 1 2023 Oct 31

Authors Wang Q,Jiang B,Wei M,He Y,Wang Y,Zhang Q,Wei H,Tao X

Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.

Pharmaceuticals (Basel, Switzerland) , Volume: 16 Issue: 10 2023 Oct 12
Authors Sulieman AME,Abdallah EM,Alanazi NA,Ed-Dra A,Jamal A,Idriss H,Alshammari AS,Shommo SAM
Modulation of the Gut Microbiota by the Plantaricin-Producing Lactiplantibacillus plantarum D13, Analysed in the DSS-Induced Colitis Mouse Model.

International journal of molecular sciences , Volume: 24 Issue: 20 2023 Oct 18
Authors Butorac K,Novak J,Banic M,Leboš Pavunc A,Culjak N,Oršolic N,Odeh D,Perica J,Šuškovic J,Kos B
Effects of a stabilized stannous fluoride dentifrice on clinical, immunomodulatory, and microbial outcomes in a human experimental gingivitis model.

Journal of periodontology , 2023 Oct 27
Authors Fine N,Barbour A,Kaura K,Kerns KA,Chen D,Trivedi HM,Gomez J,Sabharwal A,McLean JS,Darveau RP,Glogauer M
The Impact in Intestines and Microbiota in BALB/c Mice Through Consumption of Milk Fermented by Potentially Probiotic Lacticaseibacillus casei SJRP38 and Limosilactobacillus fermentum SJRP43.

Probiotics and antimicrobial proteins , 2023 Oct 5
Authors de Souza BMS,Guerra LHA,Varallo GR,Taboga SR,Penna ALB
The Synergism of Human Lactobacillaceae and Inulin Decrease Hyperglycemia via Regulating the Composition of Gut Microbiota and Metabolic Profiles in db/db Mice.

Journal of microbiology and biotechnology , Volume: 33 Issue: 12 2023 Aug 21
Authors Li P,Tong T,Wu Y,Zhou X,Zhang M,Liu J,She Y,Li Z,Li A
Resveratrol alleviates DSS-induced IBD in mice by regulating the intestinal microbiota-macrophage-arginine metabolism axis.

European journal of medical research , Volume: 28 Issue: 1 2023 Sep 2
Authors Xu X,Ocansey DKW,Pei B,Zhang Y,Wang N,Wang Z,Mao F
Positive efficacy of Lactiplantibacillus plantarum MH-301 as a postoperative adjunct to endoscopic sclerotherapy for internal hemorrhoids: a randomized, double-blind, placebo-controlled trial.

Food & function , 2023 Sep 1
Authors Zhang K,Liu H,Liu P,Feng Q,Gan L,Yao L,Huang G,Fang Z,Chen T,Fang N
Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023
Authors Sheng W,Ji G,Zhang L
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
Limosilactobacillus fermentum CECT5716: Clinical Potential of a Probiotic Strain Isolated from Human Milk.

Nutrients , Volume: 15 Issue: 9 2023 May 6
Authors Ozen M,Piloquet H,Schaubeck M
Cinnamon oil solid self-microemulsion mediates chronic mild stress-induced depression in mice by modulating monoamine neurotransmitters, corticosterone, inflammation cytokines, and intestinal flora.

Heliyon , Volume: 9 Issue: 6 2023 Jun
Authors Ma T,Tang B,Wang Y,Shen M,Ping Y,Wang L,Su J
Targeted modification of gut microbiota and related metabolites via dietary fiber.

Carbohydrate polymers , Volume: 316 2023 Sep 15
Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S
Preparation and characterization of curcumin/chitosan conjugate as an efficient photodynamic antibacterial agent.

Carbohydrate polymers , Volume: 313 2023 Aug 1
Authors Zhao L,Ding X,Khan IM,Yue L,Zhang Y,Wang Z
In vitro effects of different levels of quebracho and chestnut tannins on rumen methane production, fermentation parameters, and microbiota.

Frontiers in veterinary science , Volume: 10 2023
Authors Battelli M,Colombini S,Parma P,Galassi G,Crovetto GM,Spanghero M,Pravettoni D,Zanzani SA,Manfredi MT,Rapetti L
Low dosage fluorine ameliorates the bioaccumulation, hepatorenal dysfunction and oxidative stress, and gut microbiota perturbation of cadmium in rats.

Environmental pollution (Barking, Essex : 1987) , Volume: 324 2023 May 1
Authors Li D,Yang C,Xu X,Li S,Luo G,Zhang C,Wang Z,Sun D,Cheng J,Zhang Q
Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens.

Animals : an open access journal from MDPI , Volume: 12 Issue: 22 2022 Nov 20
Authors Wu T,Yang F,Jiao T,Zhao S
Lactobacillus rhamnosus GG protects against atherosclerosis by improving ketone body synthesis.

Applied microbiology and biotechnology , Volume: 106 Issue: 24 2022 Dec
Authors Zhai T,Ren W,Wang P,Zheng L
Effect of garlic extract on weight loss and gut microbiota composition in obese women: A double-blind randomized controlled trial.

Frontiers in nutrition , Volume: 9 2022
Authors Ettehad-Marvasti F,Ejtahed HS,Siadat SD,Soroush AR,Hoseini-Tavassol Z,Hasani-Ranjbar S,Larijani B
Probiotic effects of Lacticaseibacillus rhamnosus 1155 and Limosilactobacillus fermentum 2644 on hyperuricemic rats.

Frontiers in nutrition , Volume: 9 2022
Authors Li Y,Zhu J,Lin G,Gao K,Yu Y,Chen S,Chen L,Chen Z,Li L
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
Dietary ?-Aminobutyric Acid Supplementation Inhibits High-Fat Diet-Induced Hepatic Steatosis via Modulating Gut Microbiota in Broilers.

Microorganisms , Volume: 10 Issue: 7 2022 Jun 24
Authors Chen Q,Hu D,Wu X,Feng Y,Ni Y
Miya Improves Osteoarthritis Characteristics via the Gut-Muscle-Joint Axis According to Multi-Omics Analyses.

Frontiers in pharmacology , Volume: 13 2022
Authors Xu T,Yang D,Liu K,Gao Q,Liu Z,Li G
Evaluation of the Effects of a Short Supplementation With Tannins on the Gut Microbiota of Healthy Subjects.

Frontiers in microbiology , Volume: 13 2022
Authors Molino S,Lerma-Aguilera A,Jiménez-Hernández N,Rufián Henares JÁ,Francino MP
Effects of a blend of chestnut and quebracho tannins on gut health and performance of broiler chickens.

PloS one , Volume: 17 Issue: 1 2022
Authors Redondo EA,Redondo LM,Bruzzone OA,Diaz-Carrasco JM,Cabral C,Garces VM,Liñeiro MM,Fernandez-Miyakawa ME
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
Curcumin ß-D-Glucuronide Modulates an Autoimmune Model of Multiple Sclerosis with Altered Gut Microbiota in the Ileum and Feces.

Frontiers in cellular and infection microbiology , Volume: 11 2021
Authors Khadka S,Omura S,Sato F,Nishio K,Kakeya H,Tsunoda I
Bifidobacterium longum subsp. longum 5^{1A} attenuates intestinal injury against irinotecan-induced mucositis in mice.

Life sciences , Volume: 289 2022 Jan 15
Authors Quintanilha MF,Miranda VC,Souza RO,Gallotti B,Cruz C,Santos EA,Alvarez-Leite JI,Jesus LCL,Azevedo V,Trindade LM,Cardoso VN,Ferreira E,Carvalho BA,Soares PMG,Vieira AT,Nicoli JR,Martins FS
Effects of Dietary Supplementation With *Bacillus subtilis*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.

Frontiers in nutrition , Volume: 8 2021
Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG
Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats.

Frontiers in cellular and infection microbiology , Volume: 11 2021
Authors Wang X,Ye P,Fang L,Ge S,Huang F,Polverini PJ,Heng W,Zheng L,Hu Q,Yan F,Wang W
Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with *Schistosoma japonicum*.

Frontiers in cell and developmental biology , Volume: 9 2021
Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X
Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides *via* Reprograming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.

Frontiers in immunology , Volume: 12 2021
Authors Ding S,Jiang H,Fang J,Liu G
Multidimensional exploration of essential oils generated via eight oregano cultivars: Compositions, chemodiversities, and antibacterial capacities.

Food chemistry , Volume: 374 2022 Apr 16
Authors Hao Y,Kang J,Yang R,Li H,Cui H,Bai H,Tsitsilin A,Li J,Shi L
Metagenomic Analysis of Intestinal Microbiota in Florated Rats.

Biological trace element research , Volume: 200 Issue: 7 2022 Jul
Authors Komuroglu AU,Seckin H,Ertas M,Meydan I
Antimicrobial, immunological and biochemical effects of florfenicol and garlic (Allium sativum) on rabbits infected with Escherichia coli serotype O55: H7.

Veterinary research communications , 2021 Nov 10
Authors Farag VM,El-Shafei RA,Elkenany RM,Ali HS,Eladl AH
Cinnamaldehyde Promotes the Intestinal Barrier Functions and Reshapes Gut Microbiome in Early Weaned Rats.

Frontiers in nutrition , Volume: 8 2021
Authors Qi L,Mao H,Lu X,Shi T,Wang J
Antifungal effects of tulsi, garlic, cinnamon and lemongrass in powder and oil form on *Candida albicans*: An *in vitro* study.

Journal of oral and maxillofacial pathology : JOMFP , Volume: 25 Issue: 2 2021 May-Aug
Authors Prajapati M,Shah M,Ranginwala A,Agrawal P,Acharya D,Thakkar S
Supplementation with *Lactiplantibacillus plantarum* IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.

International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16
Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C
Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.

Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov
Authors Marzorati M,Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young A
Bacillus pumilus and *Bacillus subtilis* Promote Early Maturation of Cecal Microbiota in Broiler Chickens.

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7
Authors Bilal M,Achard C,Barbe F,Chevaux E,Ronholm J,Zhao X
The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.

Advances in nutrition (Bethesda, Md.) , 2021 Sep 23
Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD
Lacticaseibacillus paracasei NK112 mitigates *Escherichia coli*-induced depression and cognitive impairment in mice by regulating IL-6 expression and gut microbiota.

Beneficial microbes , 2021 Sep 13
Authors Yun SW,Kim JK,Han MJ,Kim DH
The Protection of *Lactiplantibacillus plantarum* CCFM8661 Against Benzopyrene-Induced Toxicity *via* Regulation of the Gut Microbiota.

Frontiers in immunology , Volume: 12 2021
Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F
Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.

Frontiers in nutrition , Volume: 8 2021
Authors Karakan T,Tuohy KM,Janssen-van Solingen G
Vitamin D and The Gut Microbiota: a Narrative Literature Review.

Clinical nutrition research , Volume: 10 Issue: 3 2021 Jul
Authors Tangestani H,Boroujeni HK,Djafarian K,Emamat H,Shab-Bidar S
Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn`s disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23
Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K
Effects of Bacillus subtilis and Bacillus licheniformis on growth performance, immunity, short chain fatty acid production, antioxidant capacity, and cecal microflora in broilers.

Poultry science , Volume: 100 Issue: 9 2021 Jun 26
Authors Xu Y,Yu Y,Shen Y,Li Q,Lan J,Wu Y,Zhang R,Cao G,Yang C
Dietary oregano essential oil supplementation improves intestinal functions and alters gut microbiota in late-phase laying hens.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jul 6
Authors Feng J,Lu M,Wang J,Zhang H,Qiu K,Qi G,Wu S
Effects of Fermented Milk Containing *Lacticaseibacillus paracasei* Strain Shirota on Constipation in Patients with Depression: A Randomized, Double-Blind, Placebo-Controlled Trial.

Nutrients , Volume: 13 Issue: 7 2021 Jun 29
Authors Zhang X,Chen S,Zhang M,Ren F,Ren Y,Li Y,Liu N,Zhang Y,Zhang Q,Wang R
Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the

Modulation of Gut Microbiome.

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

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

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

Food & function , 2021 Jun 11

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

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

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

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

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

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

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

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

Microorganisms , Volume: 9 Issue: 5 2021 May 10

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

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

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

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

Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.

Biology , Volume: 10 Issue: 4 2021 Apr 20

Authors Gulnaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY

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

PloS one , Volume: 16 Issue: 4 2021

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

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

The Journal of nutrition , 2021 Apr 13

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

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

Frontiers in cellular and infection microbiology , Volume: 11 2021

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

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

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

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

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

Lactobacillus fermentum CECT5716 ameliorates high fat diet-induced obesity in mice through modulation of gut microbiota dysbiosis.

Pharmacological research , 2021 Jan 30

Authors Molina-Tijeras JA,Diez-Echave P,Vezza T,Hidalgo-García L,Ruiz-Malagón AJ,Rodríguez-Sojo MJ,Romero M,Robles-Vera I,García F,Plaza-Diaz J,Olivares M,Duarte J,Rodríguez-Cabezas ME,Rodríguez-Nogales A,Gálvez J

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

Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.

Acta biochimica Polonica , Volume: 67 Issue: 4 2020 Dec 17

Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y
The Fungal Microbiome and Asthma.
Frontiers in cellular and infection microbiology , Volume: 10 2020
Authors van Tilburg Bernardes E,Gutierrez MW,Arrieta MC
The potential role of vitamin D supplementation as a gut microbiota modifier in healthy individuals.
Scientific reports , Volume: 10 Issue: 1 2020 Dec 10
Authors Singh P,Rawat A,Alwakeel M,Sharif E,Al Khodor S
Probiotic Lactobacillus fermentum strain JDFM216 improves cognitive behavior and modulates immune response with gut microbiota.
Scientific reports , Volume: 10 Issue: 1 2020 Dec 10
Authors Park MR,Shin M,Mun D,Jeong SY,Jeong DY,Song M,Ko G,Unno T,Kim Y,Oh S
Active Vitamin D_3 Treatment Attenuated Bacterial Translocation via Improving Intestinal Barriers in Cirrhotic Rats.
Molecular nutrition & food research , 2020 Nov 30
Authors Lee PC,Hsieh YC,Huo TI,Yang UC,Lin CH,Li CP,Huang YH,Hou MC,Lin HC,Lee KC
The Osteoporosis/Microbiota Linkage: The Role of miRNA.
International journal of molecular sciences , Volume: 21 Issue: 23 2020 Nov 24
Authors De Martinis M,Ginaldi L,Allegra A,Sirufo MM,Pioggia G,Tonacci A,Gangemi S
Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.
European journal of nutrition , 2020 Nov 22
Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H
Effect of Five Commercial Probiotic Formulations on Candida Albicans Growth: In Vitro Study.
The Journal of clinical pediatric dentistry , Volume: 44 Issue: 5 2020 Sep 1
Authors Hernández-Bautista LM,Márquez-Preciado R,Ortiz-Magdaleno M,Pozos-Guillén A,Aranda-Romo S,Sánchez-Vargas LO
Black garlic melanoidins prevent obesity, reduce serum LPS levels and modulate the gut microbiota composition in high-fat diet-induced obese C57BL/6J mice.
Food & function , Volume: 11 Issue: 11 2020 Nov 18
Authors Wu J,Liu Y,Dou Z,Wu T,Liu R,Sui W,Jin Y,Zhang M
Modulatory Effects of Triphala and Manjistha Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.
Journal of alternative and complementary medicine (New York, N.Y.) , 2020 Sep 18
Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK
Relative abundance of the Prevotella genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.
BMC microbiology , Volume: 20 Issue: 1 2020 Sep 14
Authors Chung WSF,Walker AW,Bosscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ
Vitamin D Supplementation in Laboratory-Bred Mice: An In Vivo Assay on Gut Microbiome and Body Weight.
Microbiology insights , Volume: 13 2020
Authors Badger-Emeka LI,AlJaziri ZY,Almulhim CF,Aldrees AS,AlShakhs ZH,AlAithan RI,Alothman FA
Dietary supplementation with Bacillus subtilis DSM 32315 alters the intestinal microbiota and metabolites in weaned piglets.
Journal of applied microbiology , 2020 Jul 6
Authors Ding H,Zhao X,Ma C,Gao Q,Yin Y,Kong X,He J
Soy food intake associates with changes in the metabolome and reduced blood pressure in a gut microbiota dependent manner.
Nutrition, metabolism, and cardiovascular diseases : NMCD , 2020 May 18
Authors Shah RD,Tang ZZ,Chen G,Huang S,Ferguson JF
Cocoa Polyphenols and Gut Microbiota Interplay: Bioavailability, Prebiotic Effect, and Impact on Human Health.
Nutrients , Volume: 12 Issue: 7 2020 Jun 27
Authors Sorrenti V,Ali S,Mancin L,Davinelli S,Paoli A,Scapagnini G
Effects of GABA Supplementation on Intestinal SIgA Secretion and Gut Microbiota in the Healthy and ETEC-Infected Weanling Piglets.
Mediators of inflammation , Volume: 2020 2020
Authors Zhao Y,Wang J,Wang H,Huang Y,Qi M,Liao S,Bin P,Yin Y
Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.
International journal of molecular sciences , Volume: 21 Issue: 11 2020 Jun 10
Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

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

Frontiers in microbiology , Volume: 11 2020

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

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

Frontiers in microbiology , Volume: 11 2020

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

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

Journal of microbiology and biotechnology , 2020 Apr 29

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

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

Heliyon , Volume: 6 Issue: 4 2020 Apr

Authors Chen CL,Chao SH,Pan TM

Cocoa diet modulates gut microbiota composition and improves intestinal health in Zucker diabetic rats.

Food research international (Ottawa, Ont.) , Volume: 132 2020 Jun

Authors Álvarez-Cilleros D,Ramos S,López-Oliva ME,Escrivá F,Álvarez C,Fernández-Millán E,Martín MÁ

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

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

Veterinary world , Volume: 12 Issue: 12 2019 Dec

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

The effects of high doses of vitamin D on the composition of the gut microbiome of adolescent girls.

Clinical nutrition ESPEN , Volume: 35 2020 Feb

Authors Tabatabaeizadeh SA,Fazeli M,Meshkat Z,Khodashenas E,Esmaeili H,Mazloum S,Ferns GA,Abdizadeh MF,Ghayour-Mobarhan M

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

Gut microbes , 2020 Jan 13

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

Beneficial effect of GABA-rich fermented milk on insomnia involving regulation of gut microbiota.

Microbiological research , Volume: 233 2020 Jan 7

Authors Yu L,Han X,Cen S,Duan H,Feng S,Xue Y,Tian F,Zhao J,Zhang H,Zhai Q,Chen W

The Effect of Various Doses of Oral Vitamin D₃ Supplementation on Gut Microbiota in Healthy Adults: A Randomized, Double-blinded, Dose-response Study.

Anticancer research , Volume: 40 Issue: 1 2020 Jan

Authors Charoenngam N,Shirvani A,Kalajian TA,Song A,Holick MF

Effect of Vitamin D Supplementation on Faecal Microbiota: A Randomised Clinical Trial.

Nutrients , Volume: 11 Issue: 12 2019 Nov 27

Authors Naderpoor N,Mousa A,Fernanda Gomez Arango L,Barrett HL,Dekker Nitert M,de Courten B

Influence of Bacillus subtilis GCB-13-001 on growth performance, nutrient digestibility, blood characteristics, faecal microbiota and faecal score in weanling pigs.

Journal of animal physiology and animal nutrition , 2019 Sep 20

Authors Wang H,Kim KP,Kim IH

Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.

Scientific reports , Volume: 9 Issue: 1 2019 Sep 16

Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M

Effects of Lactobacillus plantarum on the intestinal morphology, intestinal barrier function and microbiota composition of suckling piglets.

Journal of animal physiology and animal nutrition , 2019 Sep 9

Authors Wang Q,Sun Q,Qi R,Wang J,Qiu X,Liu Z,Huang J

Lactobacillus reuteri DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

Fermented Foods: Definitions and Characteristics, Impact on the Gut Microbiota and Effects on Gastrointestinal Health and Disease.

Nutrients , Volume: 11 Issue: 8 2019 Aug 5

Authors Dimidi E,Cox SR,Rossi M,Whelan K

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

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

Preventive Effects and Mechanisms of Garlic on Dyslipidemia and Gut Microbiome Dysbiosis.

Nutrients , Volume: 11 Issue: 6 2019 May 29

Authors Chen K,Xie K,Liu Z,Nakasone Y,Sakao K,Hossain A,Hou DX

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

Spent Coffee Grounds Extract, Rich in Mannooligosaccharides, Promotes a Healthier Gut Microbial Community in a Dose-Dependent Manner.

Journal of agricultural and food chemistry , Volume: 67 Issue: 9 2019 Mar 6

Authors Pérez-Burillo S,Pastoriza S,Fernández-Arteaga A,Luzón G,Jiménez-Hernández N,D`Auria G,Francino MP,Rufián-Henares JÁ

Intestinal Morphologic and Microbiota Responses to Dietary Bacillus spp. in a Broiler Chicken Model.

Frontiers in physiology , Volume: 9 2018

Authors Li CL,Wang J,Zhang HJ,Wu SG,Hui QR,Yang CB,Fang RJ,Qi GH

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

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

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

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

Simultaneous Supplementation of Bacillus subtilis and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

Antidepressant Effects of Rosemary Extracts Associate With Anti-inflammatory Effect and Rebalance of Gut Microbiota.

Frontiers in pharmacology , Volume: 9 2018

Authors Guo Y,Xie J,Li X,Yuan Y,Zhang L,Hu W,Luo H,Yu H,Zhang R

In vitro fermentation of raffinose by the human gut bacteria.

Food & function , Volume: 9 Issue: 11 2018 Nov 14

Authors Mao B,Tang H,Gu J,Li D,Cui S,Zhao J,Zhang H,Chen W

Supplemental Bacillus subtilis DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.

Scientific reports , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

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

Natural product research , 2018 Oct 13

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

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

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

The Journal of nutritional biochemistry , Volume: 59 2018 Sep
Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK
Beneficial effects of the commercial lactic acid bacteria product, Vigiis 101, on gastric mucosa and intestinal bacterial flora in rats.

Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2018 Jun 23
Authors Kao L,Liu TH,Tsai TY,Pan TM
Effects of garlic polysaccharide on alcoholic liver fibrosis and intestinal microflora in mice.

Pharmaceutical biology , Volume: 56 Issue: 1 2018 Dec
Authors Wang Y,Guan M,Zhao X,Li X
Acute Exposure to Commonly Ingested Emulsifiers Alters Intestinal Mucus Structure and Transport Properties.

Scientific reports , Volume: 8 Issue: 1 2018 Jul 3
Authors Lock JY,Carlson TL,Wang CM,Chen A,Carrier RL
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
Role of probiotics in the treatment of minimal hepatic encephalopathy in patients with HBV-induced liver cirrhosis.

The Journal of international medical research , Volume: 46 Issue: 9 2018 Sep
Authors Xia X,Chen J,Xia J,Wang B,Liu H,Yang L,Wang Y,Ling Z
Microbial Community Analysis of Sauerkraut Fermentation Reveals a Stable and Rapidly Established Community.

Foods (Basel, Switzerland) , Volume: 7 Issue: 5 2018 May 12
Authors Zabat MA,Sano WH,Wurster JI,Cabral DJ,Belenky P
Role of Lactobacillus reuteri in Human Health and Diseases.

Frontiers in microbiology , Volume: 9 2018
Authors Mu Q,Tavella VJ,Luo XM
Dietary Clostridium butyricum Induces a Phased Shift in Fecal Microbiota Structure and Increases the Acetic Acid-Producing Bacteria in a Weaned Piglet Model.

Journal of agricultural and food chemistry , Volume: 66 Issue: 20 2018 May 23
Authors Zhang J,Chen X,Liu P,Zhao J,Sun J,Guan W,Johnston LJ,Levesque CL,Fan P,He T,Zhang G,Ma X
Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice.

MicrobiologyOpen , Volume: 7 Issue: 6 2018 Dec
Authors Zhai S,Zhu L,Qin S,Li L
Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.

Journal of applied microbiology , Volume: 125 Issue: 1 2018 Jul
Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K
Prebiotic Potential of Herbal Medicines Used in Digestive Health and Disease.

Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 24 Issue: 7 2018 Jul
Authors Peterson CT,Sharma V,Uchitel S,Denniston K,Chopra D,Mills PJ,Peterson SN
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
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
Impact of Chestnut and Quebracho Tannins on Rumen Microbiota of Bovines.

BioMed research international , Volume: 2017 2017
Authors Díaz Carrasco JM,Cabral C,Redondo LM,Pin Viso ND,Colombatto D,Farber MD,Fernández Miyakawa ME
The effect of Clostridium butyricum on symptoms and fecal microbiota in diarrhea-dominant irritable bowel syndrome: a randomized, double-blind, placebo-controlled trial.

Scientific reports , Volume: 8 Issue: 1 2018 Feb 14
Authors Sun YY,Li M,Li YY,Li LX,Zhai WZ,Wang P,Yang XX,Gu X,Song LJ,Li Z,Zuo XL,Li YQ
Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.

Canadian journal of microbiology , 2018 Feb 5
Authors Wang Y,Guo Y,Chen H,Wei H,Wan C
[Assessment of the impact of vitamin and dietary fiber content in the diet on the characteristics of protective colon microbiota populations of rats].

Voprosy pitaniia , Volume: 84 Issue: 6 2015
Authors Markova YM,Sheveleva SA
Evaluation of the effects of different diets on microbiome diversity and fatty acid composition of rumen liquor in dairy goat.
Animal : an international journal of animal bioscience , 2018 Jan 8
Authors Cremonesi P,Conte G,Severgnini M,Turri F,Monni A,Capra E,Rapetti L,Colombini S,Chessa S,Battelli G,Alves SP,Mele M,Castiglioni B
In vitro fermentation of copra meal hydrolysate by chicken microbiota.
3 Biotech , Volume: 8 Issue: 1 2018 Jan
Authors Prayoonthien P,Nitisinprasert S,Keawsompong S
Effect of Probiotics on Pharmacokinetics of Orally Administered Acetaminophen in Mice.
Drug metabolism and disposition: the biological fate of chemicals , Volume: 46 Issue: 2 2018 Feb
Authors Kim JK,Choi MS,Jeong JJ,Lim SM,Kim IS,Yoo HH,Kim DH
Bolus Weekly Vitamin D3 Supplementation Impacts Gut and Airway Microbiota in Adults With Cystic Fibrosis: A Double-Blind, Randomized, Placebo-Controlled Clinical Trial.
The Journal of clinical endocrinology and metabolism , Volume: 103 Issue: 2 2018 Feb 1
Authors Kanhere M,He J,Chassaing B,Ziegler TR,Alvarez JA,Ivie EA,Hao L,Hanfelt J,Gewirtz AT,Tangpricha V
Vitamin D3 deficiency and its association with nasal polyposis in patients with cystic fibrosis and patients with chronic rhinosinusitis.
American journal of rhinology & allergy , Volume: 31 Issue: 6 2017 Nov 1
Authors Konstantinidis I,Fotoulaki M,Iakovou I,Chatziavramidis A,Mpalaris V,Shobat K,Markou K
An in vitro Comparative Evaluation of Efficacy of Disinfecting Ability of Garlic Oil, Neem Oil, Clove Oil, and Tulsi Oil with autoclaving on Endodontic K Files tested against Enterococcus faecalis.
International journal of clinical pediatric dentistry , Volume: 10 Issue: 3 2017 Jul-Sep
Authors Hugar S,M Patel P,Nagmoti J,Uppin C,Mistry L,Dhariwal N
Clostridium butyricum CGMCC0313.1 Protects against Autoimmune Diabetes by Modulating Intestinal Immune Homeostasis and Inducing Pancreatic Regulatory T Cells.
Frontiers in immunology , Volume: 8 2017
Authors Jia L,Shan K,Pan LL,Feng N,Lv Z,Sun Y,Li J,Wu C,Zhang H,Chen W,Diana J,Sun J,Chen YQ
Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.
Food & function , Volume: 8 Issue: 12 2017 Dec 13
Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J
In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.
Journal of food science and technology , Volume: 54 Issue: 12 2017 Nov
Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP
Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.
The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct
Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG
Dietary soy, meat, and fish proteins modulate the effects of prebiotic raffinose on composition and fermentation of gut microbiota in rats.
International journal of food sciences and nutrition , Volume: 69 Issue: 4 2018 Jun
Authors Bai G,Tsuruta T,Nishino N
Lactobacillus fermentum FTDC 8312 combats hypercholesterolemia via alteration of gut microbiota.
Journal of biotechnology , Volume: 262 2017 Nov 20
Authors Lye HS,Kato T,Low WY,Taylor TD,Prakash T,Lew LC,Ohno H,Liong MT
Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier.
American journal of physiology. Endocrinology and metabolism , Volume: 314 Issue: 4 2018 Apr 1
Authors Van Hul M,Geurts L,Plovier H,Druart C,Everard A,Ståhlman M,Rhimi M,Chira K,Teissedre PL,Delzenne NM,Maguin E,Guilbot A,Brochot A,Gérard P,Bäckhed F,Cani PD
Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.
Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , 2017 Aug 29
Authors Lin TH,Pan TM
Regulative effects of curcumin spice administration on gut microbiota and its pharmacological implications.
Food & nutrition research , Volume: 61 Issue: 1 2017
Authors Shen L,Liu L,Ji HF
Beef, Chicken, and Soy Proteins in Diets Induce Different Gut Microbiota and Metabolites in Rats.

Frontiers in microbiology , Volume: 8 2017
Authors Zhu Y,Shi X,Lin X,Ye K,Xu X,Li C,Zhou G
Lactobacillus casei CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism.
Food & function , Volume: 8 Issue: 9 2017 Sep 20
Authors Wang G,Li X,Zhao J,Zhang H,Chen W
Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.
Nutrients , Volume: 9 Issue: 7 2017 Jul 18
Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejda-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF
Effect of Soy Isoflavones on Growth of Representative Bacterial Species from the Human Gut.
Nutrients , Volume: 9 Issue: 7 2017 Jul 8
Authors Vázquez L,Flórez AB,Guadamuro L,Mayo B
Prebiotic Potential and Chemical Composition of Seven Culinary Spice Extracts.
Journal of food science , Volume: 82 Issue: 8 2017 Aug
Authors Lu QY,Summanen PH,Lee RP,Huang J,Henning SM,Heber D,Finegold SM,Li Z
Monitoring in vitro antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.
Integrative medicine research , Volume: 3 Issue: 3 2014 Sep
Authors Rath S,Padhy RN
Cocoa and Dark Chocolate Polyphenols: From Biology to Clinical Applications
Frontiers in Immunology , Volume: 8 2017 Jun 9
Authors Magrone T,Russo MA,Jirillo E
The effects of the Lactobacillus casei strain on obesity in children: a pilot study.
Beneficial microbes , Volume: 8 Issue: 4 2017 Aug 24
Authors Nagata S,Chiba Y,Wang C,Yamashiro Y
The Role of Carrageenan and Carboxymethylcellulose in the Development of Intestinal Inflammation.
Frontiers in pediatrics , Volume: 5 2017
Authors Martino JV,Van Limbergen J,Cahill LE
Effect of 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
Antagonistic Activity of Lactobacillus reuteri Strains on the Adhesion Characteristics of Selected Pathogens.
Frontiers in microbiology , Volume: 8 2017
Authors Singh TP,Kaur G,Kapila S,Malik RK
Carbohydrate Staple Food Modulates Gut Microbiota of Mongolians in China.
Frontiers in microbiology , Volume: 8 2017
Authors Li J,Hou Q,Zhang J,Xu H,Sun Z,Menghe B,Zhang H
Good Bugs vs Bad Bugs: Evaluation of Inhibitory Effect of Selected Probiotics against Enterococcus faecalis.
The journal of contemporary dental practice , Volume: 18 Issue: 4 2017 Apr 1
Authors Bohora AA,Kokate SR
Effect of dietary polyphenol-rich grape seed on growth performance, antioxidant capacity and ileal microflora in broiler chicks.
Journal of animal physiology and animal nutrition , Volume: 102 Issue: 1 2018 Feb
Authors Abu Hafsa SH,Ibrahim SA
Gut microbiota interactions with the immunomodulatory role of vitamin D in normal individuals.
Metabolism: clinical and experimental , Volume: 69 2017 Apr
Authors Luthold RV,Fernandes GR,Franco-de-Moraes AC,Folchetti LG,Ferreira SR
Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.
Gut , Volume: 66 Issue: 11 2017 Nov
Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J
The Fungal Mycobiome and Its Interaction with Gut Bacteria in the Host.
International journal of molecular sciences , Volume: 18 Issue: 2 2017 Feb 4
Authors Sam QH,Chang MW,Chai LY
Carob pods (Ceratonia siliqua L.) improve growth performance, antioxidant status and caecal characteristics in growing rabbits.
Journal of animal physiology and animal nutrition , Volume: 101 Issue: 6 2017 Dec

Authors Abu Hafsa SH,Ibrahim SA,Hassan AA

Biological activities of Rosmarinus officinalis L. (rosemary) extract as analyzed in microorganisms and cells.

Experimental biology and medicine (Maywood, N.J.) , Volume: 242 Issue: 6 2017 Mar

Authors de Oliveira JR,de Jesus D,Figueira LW,de Oliveira FE,Pacheco Soares C,Camargo SE,Jorge AO,de Oliveira LD

A metagenomic study of the preventive effect of Lactobacillus rhamnosus GG on intestinal polyp formation in Apc^{Min/+} mice.

Journal of applied microbiology , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y,Wong VH,Tai WC,Li J,Wong WY,Lee MM,Fong FL,El-Nezami H,Panagiotou G

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

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.

International journal of food microbiology , Volume: 241 2017 Jan 16

Authors Moens F,Verce M,De Vuyst L

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

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

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

Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.

Poultry science , Volume: 96 Issue: 5 2017 May 1

Authors Guo JR,Dong XF,Liu S,Tong JM

Insights from 100 Years of Research with Probiotic E. Coli

European Journal of Microbiology & Immunology , Volume: 6 Issue: 3 2016 Sep 29

Authors Wassenaar TM

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

The effect of volatile oil mixtures on the performance and ilio-caecal microflora of broiler chickens.

British poultry science , Volume: 57 Issue: 6 2016 Dec

Authors Cetin E,Yibar A,Yesilbag D,Cetin I,Cengiz SS

Enhancing flora balance in the gastrointestinal tract of mice by lactic acid bacteria from Chinese sourdough and enzyme activities indicative of metabolism of protein, fat, and carbohydrate by the flora.

Journal of dairy science , Volume: 99 Issue: 10 2016 Oct

Authors Yang D,Yu X,Wu Y,Chen X,Wei H,Shah NP,Xu F

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

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

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

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

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

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

Addition of arabinoxylan and mixed linkage glucans in porcine diets affects the large intestinal bacterial populations.

European journal of nutrition , Volume: 56 Issue: 6 2017 Sep

Authors Gorham JB,Kang S,Williams BA,Grant LJ,McSweeney CS,Gidley MJ,Mikkelsen D

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

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

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

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

Screening of Bifidobacteria and Lactobacilli Able to Antagonize the Cytotoxic Effect of Clostridium difficile upon Intestinal Epithelial HT29 Monolayer.

Frontiers in microbiology , Volume: 7 2016

Authors Valdés-Varela L,Alonso-Guervos M,García-Suárez O,Gueimonde M,Ruas-Madiedo P

Effects of two different probiotics on microflora, morphology, and morphometry of gut in organic laying hens.
Poultry science , Volume: 95 Issue: 11 2016 Nov 1
Authors Forte C,Acuti G,Manuali E,Casagrande Proietti P,Pavone S,Trabalza-Marinucci M,Moscati L,Onofri A,Lorenzetti C,Franciosini MP

Dietary supplementation of Rosmarinus officinalis L. leaves in sheep affects the abundance of rumen methanogens and other microbial populations.
Journal of animal science and biotechnology , Volume: 7 2016
Authors Cobellis G,Yu Z,Forte C,Acuti G,Trabalza-Marinucci M

Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.
PloS one , Volume: 11 Issue: 4 2016
Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM

Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.
Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar
Authors Hassan W,Gul S,Rehman S,Kanwal F,Afridi MS,Fazal H,Shah Z,Rahman A,da Rocha JB

Effect of Formula Containing Lactobacillus reuteri DSM 17938 on Fecal Microbiota of Infants Born by Cesarean-Section.
Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec
Authors Garcia Rodenas CL,Lepage M,Ngom-Bru C,Fotiou A,Papagaroufalis K,Berger B

Dietary High Fluorine Alters Intestinal Microbiota in Broiler Chickens.
Biological trace element research , Volume: 173 Issue: 2 2016 Oct
Authors Luo Q,Cui H,Peng X,Fang J,Zuo Z,Deng J,Liu J,Deng Y

Antimicrobial activities of six essential oils commonly used as condiments in Brazil against Clostridium perfringens.
Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 47 Issue: 2 2016 Apr-Jun
Authors Radaelli M,da Silva BP,Weidlich L,Hoehne L,Flach A,da Costa LA,Ethur EM

In vitro extraction and fermentation of polyphenols from grape seeds (Vitis vinifera) by human intestinal microbiota.
Food & function , Volume: 7 Issue: 4 2016 Apr
Authors Zhou L,Wang W,Huang J,Ding Y,Pan Z,Zhao Y,Zhang R,Hu B,Zeng X

Flavanol-Enriched Cocoa Powder Alters the Intestinal Microbiota, Tissue and Fluid Metabolite Profiles, and Intestinal Gene Expression in Pigs.
The Journal of nutrition , Volume: 146 Issue: 4 2016 Apr
Authors Jang S,Sun J,Chen P,Lakshman S,Molokin A,Harnly JM,Vinyard BT,Urban JF Jr,Davis CD,Solano-Aguilar G

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

Effects of Cocoa Husk Feeding on the Composition of Swine Intestinal Microbiota.
Journal of agricultural and food chemistry , Volume: 64 Issue: 10 2016 Mar 16
Authors Magistrelli D,Zanchi R,Malagutti L,Galassi G,Canzi E,Rosi F

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

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

Effects of Supplemental Mannanoligosaccharides on Growth Performance, Faecal Characteristics and Health in Dairy Calves.
Asian-Australasian journal of animal sciences , Volume: 28 Issue: 11 2015 Nov
Authors Kara C,Cihan H,Temizel M,Catik S,Meral Y,Orman A,Yibar A,Gencoglu H

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
Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.
The ISME journal , Volume: 10 Issue: 3 2016 Mar
Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR
[Grape seed proanthocyanidin extracts inhibit lipopolysaccharide of Porphyromonas gingivalis].
Shanghai kou qiang yi xue = Shanghai journal of stomatology , Volume: 24 Issue: 4 2015 Aug
Authors Ci XK,Chen LP,Ou XY
Candida albicans commensalism in the gastrointestinal tract.
FEMS yeast research , Volume: 15 Issue: 7 2015 Nov
Authors Neville BA,d`Enfert C,Bougnoux ME
Antibacterial activity of cinnamaldehyde and clove oil: effect on selected foodborne pathogens in model food systems and watermelon juice.
Journal of food science and technology , Volume: 52 Issue: 9 2015 Sep
Authors Siddiqua S,Anusha BA,Ashwini LS,Negi PS
Dietary vitamin D3 deficiency alters intestinal mucosal defense and increases susceptibility to Citrobacter rodentium-induced colitis.
American journal of physiology. Gastrointestinal and liver physiology , Volume: 309 Issue: 9 2015 Nov 1
Authors Ryz NR,Lochner A,Bhullar K,Ma C,Huang T,Bhinder G,Bosman E,Wu X,Innis SM,Jacobson K,Vallance BA
Equol status and changes in fecal microbiota in menopausal women receiving long-term treatment for menopause symptoms with a soy-isoflavone concentrate.
Frontiers in microbiology , Volume: 6 2015
Authors Guadamuro L,Delgado S,Redruello B,Flórez AB,Suárez A,Martínez-Camblor P,Mayo B
Reutericyclin producing Lactobacillus reuteri modulates development of fecal microbiota in weanling pigs.
Frontiers in microbiology , Volume: 6 2015
Authors Yang Y,Zhao X,Le MH,Zijlstra RT,Gänzle MG
[Lactobacillus rhamnosus GG inhibits Cronobacter-induced meningitis in neonatal rats].
Nan fang yi ke da xue xue bao = Journal of Southern Medical University , Volume: 35 Issue: 8 2015 Aug
Authors Zhong L,Lin R,Long B,Wu X,Fan H
In vitro digestion and fermentation properties of linear sugar-beet arabinan and its oligosaccharides.
Carbohydrate polymers , Volume: 131 2015 Oct 20
Authors Moon JS,Shin SY,Choi HS,Joo W,Cho SK,Li L,Kang JH,Kim TJ,Han NS
In vitro and in vivo examination of anticolonization of pathogens by Lactobacillus paracasei FJ861111.1.
Journal of dairy science , Volume: 98 Issue: 10 2015 Oct
Authors Deng K,Chen T,Wu Q,Xin H,Wei Q,Hu P,Wang X,Wang X,Wei H,Shah NP
Wheat and barley differently affect porcine intestinal microbiota.
Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr
Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R
In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.
Journal of dairy science , Volume: 98 Issue: 9 2015 Sep
Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H
Dietary modulation of the gut microbiota–a randomised controlled trial in obese postmenopausal women.
The British journal of nutrition , Volume: 114 Issue: 3 2015 Aug 14
Authors Brahe LK,Le Chatelier E,Prifti E,Pons N,Kennedy S,Blædel T,Håkansson J,Dalsgaard TK,Hansen T,Pedersen O,Astrup A,Ehrlich SD,Larsen LH
Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.
Recent patents on food, nutrition & agriculture , Volume: 7 Issue: 1 2015
Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F
Lack of Vitamin D Receptor Causes Dysbiosis and Changes the Functions of the Murine Intestinal Microbiome.
Clinical therapeutics , Volume: 37 Issue: 5 2015 May 1
Authors Jin D,Wu S,Zhang YG,Lu R,Xia Y,Dong H,Sun J
Effects of dietary linseed oil and propionate precursors on ruminal microbial community, composition, and diversity in Yanbian yellow cattle.
PloS one , Volume: 10 Issue: 5 2015
Authors Li XZ,Park BK,Shin JS,Choi SH,Smith SB,Yan CG

Antimicrobial activity and chemical composition of the essential oils of Portuguese Foeniculum vulgare fruits.
Natural product communications , Volume: 10 Issue: 4 2015 Apr
Authors Mota AS,Martins MR,Arantes S,Lopes VR,Bettencourt E,Pombal S,Gomes AC,Silva LA

Oral Microbiota Shift after 12-Week Supplementation with Lactobacillus reuteri DSM 17938 and PTA 5289; A Randomized Control Trial.
PloS one , Volume: 10 Issue: 5 2015
Authors Romani Vestman N,Chen T,Lif Holgerson P,Öhman C,Johansson I

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

Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.
International journal of food microbiology , Volume: 202 2015 Jun 2
Authors Akdemir Evrendilek G

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.
Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun
Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.
Beneficial microbes , Volume: 6 Issue: 4 2015
Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

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

Antimicrobial Effect of Lactobacillus reuteri on Cariogenic Bacteria Streptococcus gordonii, Streptococcus mutans, and Periodontal Diseases Actinomyces naeslundii and Tannerella forsythia.
Probiotics and antimicrobial proteins , Volume: 7 Issue: 1 2015 Mar
Authors Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Pizaña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E

[The antibacterial activity of cinnamon oil on the selected gram-positive and gram-negative bacteria].
Medycyna doswiadczalna i mikrobiologia , Volume: 66 Issue: 2 2014
Authors Urbaniak A,Glowacka A,Kowalczyk E,Lysakowska M,Sienkiewicz M

In vitro fermentation of lactulose by human gut bacteria.
Journal of agricultural and food chemistry , Volume: 62 Issue: 45 2014 Nov 12
Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W

Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults.
The Journal of nutrition , Volume: 144 Issue: 11 2014 Nov
Authors Ferrario C,Taverniti V,Milani C,Fiore W,Laureati M,De Noni I,Stuknyte M,Chouaia B,Riso P,Guglielmetti S

Diets high in resistant starch and arabinoxylan modulate digestion processes and SCFA pool size in the large intestine and faecal microbial composition in pigs.
The British journal of nutrition , Volume: 112 Issue: 11 2014 Dec 14
Authors Nielsen TS,Lærke HN,Theil PK,Sørensen JF,Saarinen M,Forssten S,Knudsen KE

Effect of Bacillus subtilis C-3102 spores as a probiotic feed supplement on growth performance, noxious gas emission, and intestinal microflora in broilers.
Poultry science , Volume: 93 Issue: 12 2014 Dec
Authors Jeong JS,Kim IH

Dietary supplementation with soybean oligosaccharides increases short-chain fatty acids but decreases protein-derived catabolites in the intestinal luminal content of weaned Huanjiang mini-piglets.
Nutrition research (New York, N.Y.) , Volume: 34 Issue: 9 2014 Sep
Authors Zhou XL,Kong XF,Lian GQ,Blachier F,Geng MM,Yin YL

Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.
Anaerobe , Volume: 30 2014 Dec
Authors Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP

Smoking cessation alters intestinal microbiota: insights from quantitative investigations on human fecal samples using FISH.
Inflammatory bowel diseases , Volume: 20 Issue: 9 2014 Sep

Authors Biedermann L,Brülisauer K,Zeitz J,Frei P,Scharl M,Vavricka SR,Fried M,Loessner MJ,Rogler G,Schuppler M
Coexpression and secretion of endoglucanase and phytase genes in Lactobacillus reuteri.
International journal of molecular sciences , Volume: 15 Issue: 7 2014 Jul 21
Authors Wang L,Yang Y,Cai B,Cao P,Yang M,Chen Y
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
Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.
Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug
Authors Barroso E,Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T
A rosemary extract rich in carnosic acid selectively modulates caecum microbiota and inhibits ß-glucosidase activity, altering fiber and short chain fatty acids fecal excretion in lean and obese female rats.
PloS one , Volume: 9 Issue: 4 2014
Authors Romo-Vaquero M,Selma MV,Larrosa M,Obiol M,García-Villalba R,González-Barrio R,Issaly N,Flanagan J,Roller M,Tomás-Barberán FA,García-Conesa MT
Effects of resveratrol on gut microbiota and fat storage in a mouse model with high-fat-induced obesity.
Food & function , Volume: 5 Issue: 6 2014 Jun
Authors Qiao Y,Sun J,Xia S,Tang X,Shi Y,Le G
454 pyrosequencing reveals changes in the faecal microbiota of adults consuming Lactobacillus casei Zhang.
FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun
Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebilige,Zhang H
Evaluation of antibacterial activity of crude protein extracts from seeds of six different medical plants against standard bacterial strains.
Saudi journal of biological sciences , Volume: 21 Issue: 2 2014 Apr
Authors Al Akeel R,Al-Sheikh Y,Mateen A,Syed R,Janardhan K,Gupta VC
Effects of Clostridium butyricum on growth performance, immune function, and cecal microflora in broiler chickens challenged with Escherichia coli K88.
Poultry science , Volume: 93 Issue: 1 2014 Jan
Authors Zhang L,Cao GT,Zeng XF,Zhou L,Ferket PR,Xiao YP,Chen AG,Yang CM
RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.
Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr
Authors Tannock GW,Lawley B,Munro K,Sims IM,Lee J,Butts CA,Roy N
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
Antibacterial potential of hydroalcoholic extracts of triphala components against multidrug-resistant uropathogenic bacteria--a preliminary report.
Indian journal of experimental biology , Volume: 51 Issue: 9 2013 Sep
Authors Bag A,Bhattacharyya SK,Pal NK
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
Evaluation of bean and soy tempeh influence on intestinal bacteria and estimation of antibacterial properties of bean tempeh.
Polish journal of microbiology , Volume: 62 Issue: 2 2013
Authors Kuligowski M,Jasinska-Kuligowska I,Nowak J
Effect of prebiotic carbohydrates on growth, bile survival and cholesterol uptake abilities of dairy-related bacteria.
Journal of the science of food and agriculture , Volume: 94 Issue: 6 2014 Apr
Authors Ziar H,Gérard P,Riazi A
Probiotic features of two oral Lactobacillus isolates.
Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1

2012 Jan
Authors Zavisic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I
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
Probiotic Lactobacillus reuteri attenuates the stressor-enhanced severity of Citrobacter rodentium infection.
Infection and immunity , Volume: 81 Issue: 9 2013 Sep
Authors Mackos AR,Eubank TD,Parry NM,Bailey MT
Prebiotic effects of arabinoxylan oligosaccharides on juvenile Siberian sturgeon (Acipenser baerii) with emphasis on the modulation of the gut microbiota using 454 pyrosequencing.
FEMS microbiology ecology , Volume: 86 Issue: 2 2013 Nov
Authors Geraylou Z,Souffreau C,Rurangwa E,Maes GE,Spanier KI,Courtin CM,Delcour JA,Buyse J,Ollevier F
Purification and fermentation in vitro of sesaminol triglucoside from sesame cake by human intestinal microbiota.
Journal of agricultural and food chemistry , Volume: 61 Issue: 8 2013 Feb 27
Authors Zhu X,Zhang X,Sun Y,Su D,Sun Y,Hu B,Zeng X
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
Green-lipped mussel extract (Perna canaliculus) and glucosamine sulphate in patients with knee osteoarthritis: therapeutic efficacy and effects on gastrointestinal microbiota profiles.
Inflammopharmacology , Volume: 21 Issue: 1 2013 Feb
Authors Coulson S,Butt H,Vecchio P,Gramotnev H,Vitetta L
Cocoa modulatory effect on rat faecal microbiota and colonic crosstalk.
Archives of biochemistry and biophysics , Volume: 527 Issue: 2 2012 Nov 15
Authors Massot-Cladera M,Pérez-Berezo T,Franch A,Castell M,Pérez-Cano FJ
Influence of red wine polyphenols and ethanol on the gut microbiota ecology and biochemical biomarkers.
The American journal of clinical nutrition , Volume: 95 Issue: 6 2012 Jun
Authors Queipo-Ortuño MI,Boto-Ordóñez M,Murri M,Gomez-Zumaquero JM,Clemente-Postigo M,Estruch R,Cardona Diaz F,Andrés-Lacueva C,Tinahones FJ
Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.
FEMS immunology and medical microbiology , Volume: 65 Issue: 3 2012 Aug
Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN
Effect of garlic powder on the growth of commensal bacteria from the gastrointestinal tract.
Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 19 Issue: 8-9 2012 Jun 15
Authors Filocamo A,Nueno-Palop C,Bisignano C,Mandalari G,Narbad A
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
Grape antioxidant dietary fiber stimulates Lactobacillus growth in rat cecum.
Journal of food science , Volume: 77 Issue: 2 2012 Feb
Authors Pozuelo MJ,Agis-Torres A,Hervert-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I
Effects of non-fermented and fermented soybean milk intake on faecal microbiota and faecal metabolites in humans.
International journal of food sciences and nutrition , Volume: 63 Issue: 4 2012 Jun
Authors Inoguchi S,Ohashi Y,Narai-Kanayama A,Aso K,Nakagaki T,Fujisawa T
In-vitro antimicrobial activity and synergistic/antagonistic effect of interactions between antibiotics and some spice essential oils.
Journal of environmental biology , Volume: 32 Issue: 1 2011 Jan
Authors Toroglu S
Arabinoxylans and inulin differentially modulate the mucosal and luminal gut microbiota and mucin-degradation in humanized rats.
Environmental microbiology , Volume: 13 Issue: 10 2011 Oct
Authors Van den Abbeele P,Gérard P,Rabot S,Bruneau A,El Aidy S,Derrien M,Kleerebezem M,Zoetendal EG,Smidt H,Verstraete W,Van de Wiele T,Possemiers S
Influence of a probiotic soy product on fecal microbiota and its association with cardiovascular risk factors in an animal model.

Lipids in health and disease , Volume: 10 2011 Jul 29
Authors Cavallini DC,Suzuki JY,Abdalla DS,Vendramini RC,Pauly-Silveira ND,Roselino MN,Pinto RA,Rossi EA
Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.
Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15
Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C
Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.
PloS one , Volume: 6 Issue: 6 2011
Authors Neyrinck AM,Possemiers S,Druart C,Van de Wiele T,De Backer F,Cani PD,Larondelle Y,Delzenne NM
Antibacterial activity in spices and local medicinal plants against clinical isolates of Karachi, Pakistan.
Pharmaceutical biology , Volume: 49 Issue: 8 2011 Aug
Authors Ali NH,Faizi S,Kazmi SU
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
Antibacterial effects of the essential oils of commonly consumed medicinal herbs using an in vitro model.
Molecules (Basel, Switzerland) , Volume: 15 Issue: 11 2010 Oct 27
Authors Sokovic M,Glamoclija J,Marin PD,Brkic D,van Griensven LJ
Oral administration of Clostridium butyricum for modulating gastrointestinal microflora in mice.
Current microbiology , Volume: 62 Issue: 2 2011 Feb
Authors Kong Q,He GQ,Jia JL,Zhu QL,Ruan H
Biodegradable gelatin-chitosan films incorporated with essential oils as antimicrobial agents for fish preservation.
Food microbiology , Volume: 27 Issue: 7 2010 Oct
Authors Gómez-Estaca J,López de Lacey A,López-Caballero ME,Gómez-Guillén MC,Montero P
Feed supplementation of Lactobacillus plantarum PCA 236 modulates gut microbiota and milk fatty acid composition in dairy goats--a preliminary study.
International journal of food microbiology , Volume: 141 Suppl 1 2010 Jul 31
Authors Maragkoudakis PA,Mountzouris KC,Rosu C,Zoumpopoulou G,Papadimitriou K,Dalaka E,Hadjipetrou A,Theofanous G,Strozzi GP,Carlini N,Zervas G,Tsakalidou E
Probiotic treatment of irritable bowel syndrome in children.
German medical science : GMS e-journal , Volume: 8 2010 Mar 2
Authors Martens U,Enck P,Zieseniss E
In vitro antimicrobial activity and chemical composition of the essential oil of Foeniculum vulgare Mill.
Revista medico-chirurgicala a Societatii de Medici si Naturalisti din Iasi , Volume: 112 Issue: 3 2008 Jul-Sep
Authors Aprotosoaie AC,Hancianu M,Poiata A,Tuchilus C,Spac A,Cioana O,Gille E,Stanescu U
Evaluation of antimicrobial efficacy of herbal alternatives (Triphala and green tea polyphenols), MTAD, and 5% sodium hypochlorite against Enterococcus faecalis biofilm formed on tooth substrate: an in vitro study.
Journal of endodontics , Volume: 36 Issue: 1 2010 Jan
Authors Prabhakar J,Senthilkumar M,Priya MS,Mahalakshmi K,Sehgal PK,Sukumaran VG
Therapeutic potential of two probiotics in inflammatory bowel disease as observed in the trinitrobenzene sulfonic acid model of colitis.
Diseases of the colon and rectum , Volume: 51 Issue: 12 2008 Dec
Authors Amit-Romach E,Uni Z,Reifen R
Effect of thymol on microbial diversity in the porcine jejunum.
International journal of food microbiology , Volume: 126 Issue: 1-2 2008 Aug 15
Authors Janczyk P,Trevisi P,Souffrant WB,Bosi P
Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.
Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug
Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG
The antimicrobial efficacy of plant essential oil combinations and interactions with food ingredients.
International journal of food microbiology , Volume: 124 Issue: 1 2008 May 10
Authors Gutierrez J,Barry-Ryan C,Bourke P
Exploring of Antimicrobial Activity of Triphala Mashi-an Ayurvedic Formulation.
Evidence-based complementary and alternative medicine : eCAM , Volume: 5 Issue: 1 2008 Mar
Authors Biradar YS,Jagatap S,Khandelwal KR,Singhania SS
L-fucose stimulates utilization of D-ribose by Escherichia coli MG1655 DeltafucAO and E. coli Nissle 1917 DeltafucAO

mutants in the mouse intestine and in M9 minimal medium.
Infection and immunity , Volume: 75 Issue: 11 2007 Nov
Authors Autieri SM,Lins JJ,Leatham MP,Laux DC,Conway T,Cohen PS
Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms.
Journal of agricultural and food chemistry , Volume: 55 Issue: 11 2007 May 30
Authors López P,Sanchez C,Batlle R,Nerín C
Molecular monitoring of the fecal microbiota of healthy human subjects during administration of lactulose and Saccharomyces boulardii.
Applied and environmental microbiology , Volume: 72 Issue: 9 2006 Sep
Authors Vanhoutte T,De Preter V,De Brandt E,Verbeke K,Swings J,Huys G
Probiotic properties of vaginal lactic acid bacteria to prevent metritis in cattle.
Letters in applied microbiology , Volume: 43 Issue: 1 2006 Jul
Authors Otero MC,Morelli L,Nader-Macías ME
Antagonistic activity of probiotic lactobacilli and bifidobacteria against entero- and uropathogens.
Journal of applied microbiology , Volume: 100 Issue: 6 2006 Jun
Authors Hütt P,Shchepetova J,Lõivukene K,Kullisaar T,Mikelsaar M
Antimicrobial and antiplasmid activities of essential oils.
Fitoterapia , Volume: 77 Issue: 4 2006 Jun
Authors Schelz Z,Molnar J,Hohmann J
In vitro antimicrobial activity of essential oils from aromatic plants against selected foodborne pathogens.
Journal of food protection , Volume: 67 Issue: 6 2004 Jun
Authors Rota C,Carramiñana JJ,Burillo J,Herrera A
Contribution of acetate to butyrate formation by human faecal bacteria.
The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun
Authors Duncan SH,Holtrop G,Lobley GE,Calder AG,Stewart CS,Flint HJ
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
Antimicrobial activity of essential oils and other plant extracts.
Journal of applied microbiology , Volume: 86 Issue: 6 1999 Jun
Authors Hammer KA,Carson CF,Riley TV
[Antagonistic interaction between Clostridium butyricum and enterohemorrhagic Escherichia coli O157:H7].
Kansenshogaku zasshi. The Journal of the Japanese Association for Infectious Diseases , Volume: 73 Issue: 1 1999 Jan
Authors Takahashi M,Taguchi H,Yamaguchi H,Osaki T,Sakazaki R,Kamiya S
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
Purification and characterization of a component produced by Lactobacillus fermentum that inhibits the adhesion of K88 expressing Escherichia coli to porcine ileal mucus.
The Journal of applied bacteriology , Volume: 80 Issue: 3 1996 Mar
Authors Ouwehand AC,Conway PL
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
The fermentation of lactulose by colonic bacteria.
Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb
Authors Sahota SS,Bramley PM,Menzies IS
Utilization of fructose and ribose in lipopolysaccharide synthesis by Veillonella parvula.
Infection and immunity , Volume: 41 Issue: 1 1983 Jul
Authors Tortorello ML,Delwiche EA
D-ribose metabolism in Escherichia coli K-12: genetics, regulation, and transport.
Journal of bacteriology , Volume: 158 Issue: 2 1984 May
Authors Lopilato JE,Garwin JL,Emr SD,Silhavy TJ,Beckwith JR
Utilization of D-ribose by Veillonella.
Journal of bacteriology , Volume: 98 Issue: 3 1969 Jun

Authors Kafkewitz D,Delwiche EA
Ribose utilization by Veillonella alcalescens.
Journal of bacteriology , Volume: 109 Issue: 3 1972 Mar
Authors Kafkewitz D,Delwiche EA
Additional sources and private correspondance
Private Correspondance , Volume: 1 Issue: 2018
Variability in gut microbiota response to an inulin-type fructan prebiotic within an in vitro three-stage continuous colonic model system
Bioactive Carbohydrates and Dietary Fibre , Volume: 11 Issue: July 2017 July 2017
Authors G.Healey
Misc articles
WebMd.com , Volume: Issue: Jan 2018
Authors WebMd.com
The effect of inulin and/or wheat bran in the diet during early life on intestinal health of broiler chicks
21st European Symposium on Poultry Nutrition (ESPN 2017) , Volume: Unpublished conference/Abstract Issue: Jan 2018
Authors Li, Bing
ANTIBACTERIAL PROPERTIES OF CONTENTS OF TRIPHALA: A TRADITIONAL INDIAN HERBAL PREPARATION
Continental J. Microbiology , Volume: 1 Issue: 2007
Authors TAMBEKAR, D.H
Curated database of commensal, symbiotic and pathogenic microbiota
Generative Bioinformatics , Volume: Issue: 2014 Jun
Authors D'Adamo Peter
[Research cited on Manufacture Website].
Research cited on Manufacture Website , Volume: 0 Issue: 0 2018 Jan
Authors Miyarisan Labs
Curcumin consumption reduces gut microbial diversity among patients with colorectal adenomas
The FASEB Journal , Volume: 26 Issue: 1 2012 Apr 1
Authors April McLauchlin,Felix Araujo-Perez,Nikki McCoy,Kevin Smith,Bob Sandler,Gary Asher,Temitope Keku

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Amyotrophic lateral sclerosis (ALS) Motor Neuron
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Asthma
Atherosclerosis
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Autoimmune Disease
Barrett esophagus cancer
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Bipolar Disorder
Brain Trauma
Breast Cancer

Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
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Colorectal Cancer
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cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Halitosis
Hashimoto's thyroiditis
Heart Failure
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
Histamine Issues
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Low bone mineral density
Lung Cancer

Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)
myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
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Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
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Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing