Microbiome Information for: IgA nephropathy (IgAN)

For prescribing Medical professionals Review

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

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

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

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

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

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

Analysis Provided by Microbiome Prescription

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 IgA nephropathy (IgAN)

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
Enterobacteriaceae	*family*	High	*543*
Eubacteriaceae	*family*	High	*186806*
Lachnospiraceae	*family*	High	*186803*
Ruminococcaceae	*family*	High	*541000*
Sutterellaceae	*family*	High	*995019*
Alistipes	*genus*	Low	*239759*
Bifidobacterium	*genus*	Low	*1678*
Catenibacterium	*genus*	Low	*135858*
Clostridium	*genus*	Low	*1485*
Dialister	*genus*	Low	*39948*
Enterococcus	*genus*	Low	*1350*
Lactobacillus	*genus*	Low	*1578*
Oscillospira	*genus*	Low	*119852*
Phascolarctobacterium	*genus*	Low	*33024*
Prevotella	*genus*	Low	*838*
[Eubacterium] siraeum	*species*	Low	*39492*
[Ruminococcus] gnavus	*species*	Low	*33038*
Alistipes putredinis	*species*	Low	*28117*
Bacteroides finegoldii	*species*	Low	*338188*
Bacteroides ovatus	*species*	Low	*28116*
Bacteroides thetaiotaomicron	*species*	Low	*818*
Bacteroides uniformis	*species*	Low	*820*
Butyricimonas virosa	*species*	Low	*544645*
Coprococcus eutactus	*species*	Low	*33043*
Enterocloster clostridioformis	*species*	Low	*1531*
Eubacterium oxidoreducens	*species*	Low	*1732*
Lachnospira eligens	*species*	Low	*39485*
Lachnospira pectinoschiza	*species*	Low	*28052*
Segatella copri	*species*	Low	*165179*

Substance to Consider Adding or Taking

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

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

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

5-fluorouracil,(prescription)
acetopromazine maleate salt,(prescription)
alexidine dihydrochloride
amiodarone hydrochloride,(prescription)
AMOXICILLIN (ANTIBIOTIC)S[CFS]
AMPICILLIN (ANTIBIOTIC)S[CFS]
anthralin,(prescription)
aprepitant,(prescription)
astemizole,(prescription)
auranofin,(prescription)
azaguanine-8,(prescription)
AZITHROMYCIN,(ANTIBIOTIC)S[CFS]
azlocillin sodium salt (antibiotic)
bacampicillin hydrochloride (antibiotic)
bacitracin (antibiotic)
benfluorex hydrochloride,(prescription)
benzathine benzylpenicillin (antibiotic)
benzbromarone,(prescription)
benzethonium chloride
benzylpenicillin sodium (antibiotic)
bepridil hydrochloride,(prescription)
bifonazole,(prescription)
butenafine hydrochloride,(prescription)
butoconazole nitrate,(prescription)
carbadox,(prescription)
cefazolin sodium salt (antibiotic)
cefdinir (antibiotic)
cefepime hydrochloride (antibiotic)
cefixime (antibiotic)
cefmetazole sodium salt (antibiotic)
cefoperazone dihydrate (antibiotic)
ceforanide (antibiotic)
cefotaxime sodium salt (antibiotic)
cefotetan (antibiotic)
cefotiam hydrochloride (antibiotic)
Cefoxitin sodium salt
cefsulodin sodium salt (antibiotic)
ceftazidime (antibiotic)s
cefuroxime sodium salt (antibiotic)
cephalosporanic acid; 7-amino (antibiotic)
cephalothin sodium salt (antibiotic)
chloramphenicol (antibiotic)s
chlorhexidine
chloroxine (antibiotic)
chlorprothixene hydrochloride,(prescription)
Chlortetracycline hydrochloride
lomefloxacin hydrochloride (antibiotic)
loracarbef (antibiotic)
lorglumide sodium salt non-drug
loxapine succinate,(prescription)
LYMECYCLINE (ANTIBIOTIC)[CFS]
mafenide hydrochloride (antibiotic)
Meclocycline sulfosalicylate
meclofenamic acid sodium salt monohydrate,(prescription)
meclozine dihydrochloride,(prescription)
mefloquine hydrochloride,(prescription)
merbromin
meropenem (antibiotic)s
metergoline,(prescription)
Methacycline hydrochloride
methiothepin maleate,(prescription)
methyl benzethonium chloride
metixene hydrochloride,(prescription)
METRONIDAZOLE (ANTIBIOTIC)S[CFS]
miconazole,(prescription)
mifepristone,(prescription)
MINOCYCLINE (ANTIBIOTIC)S[CFS]
monensin sodium salt,(prescription)
moxalactam disodium salt (antibiotic)
moxifloxacin (antibiotic)
nadifloxacin (antibiotic)
nafcillin sodium salt monohydrate (antibiotic)
naftopidil dihydrochloride,(prescription)
nefazodone hcl,(prescription)
nicardipine hydrochloride,(prescription)
niclosamide,(prescription)
nifuroxazide (antibiotic)
nifurtimox,(prescription)
niridazole,(prescription)
nitrofural,(prescription)
nitrofurantoin (antibiotic)
norcyclobenzaprine,(prescription)
norfloxacin (antibiotic)s
norgestimate,(prescription)
novobiocin sodium salt,(prescription)
ornidazole (antibiotic)s
oxethazaine,(prescription)
oxiconazole nitrate,(prescription)
oxytetracycline dihydrate (antibiotic)
pefloxacine (antibiotic)
pentamidine isethionate,(prescription)
perhexiline maleate,(prescription)

cinnarizine,(prescription)
CIPROFLOXACIN (ANTIBIOTIC)S[CFS]
CLARITHROMYCIN (ANTIBIOTIC)S[CFS]
clemizole hydrochloride,(prescription)
clinafloxacin (antibiotic)
CLINDAMYCIN (ANTIBIOTIC)S[CFS]
clioquinol,(prescription)
clofazimine (antibiotic)
clofilium tosylate,(prescription)
Clomiphene citrate (Z,E)
clomipramine hydrochloride,(prescription)
closantel,(prescription)
clotrimazole,(prescription)
colistin sulfate (antibiotic)
cyclobenzaprine hydrochloride,(prescription)
daunorubicin hydrochloride,(prescription)
Demeclocycline hydrochloride
deptropine citrate,(prescription)
dequalinium dichloride
desloratadine,(prescription)
diacerein,(prescription)
diclazuril,(prescription)
dicloxacillin sodium salt hydrate (antibiotic)
dicumarol,(prescription)
dienestrol,(prescription)
diethylstilbestrol,(prescription)
dirithromycin (antibiotic)
doxorubicin hydrochloride,(prescription)
DOXYCYCLINE (ANTIBIOTIC)S[CFS]
ebselen non-drug
econazole nitrate,(prescription)
efavirenz,(prescription)
enilconazole,(prescription)
enoxacin (antibiotic)
entacapone,(prescription)
ERYTHROMYCIN (ANTIBIOTIC)S[CFS]
estradiol valerate,(prescription)
ethopropazine hydrochloride,(prescription)
felodipine,(prescription)
fendiline hydrochloride,(prescription)
florfenicol
floxuridine,(prescription)
flucloxacillin sodium (antibiotic)
flufenamic acid,(prescription)
flumequine (antibiotic)
furaltadone hydrochloride,(prescription)
furazolidone (antibiotic)
fusidic acid sodium salt (antibiotic)
gatifloxacin (antibiotic)
gbr 12909 dihydrochloride,(prescription)
hexachlorophene
hexestrol,(prescription)
hycanthone,(prescription)
imipenem (antibiotic)s
isoconazole,(prescription)
josamycin (antibiotic)
ketoconazole,(prescription)
lansoprazole,(prescription)
perphenazine,(prescription)
phenethicillin potassium salt (antibiotic)
pimethixene maleate,(prescription)
pimozide,(prescription)
pinaverium bromide,(prescription)
pioglitazone,(prescription)
piperacillin-tazobactam (antibiotic)s
prenylamine lactate,(prescription)
proadifen hydrochloride non-drug
prochlorperazine dimaleate,(prescription)
protriptyline hydrochloride,(prescription)
pyrimethamine,(prescription)
pyrvinium pamoate,(prescription)
quinacrine dihydrochloride dihydrate,(prescription)
Rifabutin
rifampicin (antibiotic)s
rifapentine (antibiotic)
rifaximin (antibiotic)s 1600 mg/day
roxithromycin (antibiotic)s
rufloxacin (antibiotic)
sarafloxacin (antibiotic)
secnidazole,(prescription)
sertaconazole nitrate,(prescription)
sertraline,(prescription)
sparfloxacin (antibiotic)
spiramycin (antibiotic)
streptozotocin,(prescription)
sulconazole nitrate,(prescription)
sulfamethoxazole (antibiotic)
suloctidil,(prescription)
talampicillin hydrochloride (antibiotic)
tamoxifen citrate,(prescription)
terfenadine,(prescription)
thiamphenicol (antibiotic)
thiethylperazine dimalate,(prescription)
thimerosal (mercury vacine perservative)
thioridazine hydrochloride,(prescription)
thiostrepton,(prescription)
thonzonium bromide,(pharmacological additive)
ticarcillin sodium (antibiotic)
tinidazole (antibiotic)
tioconazole,(prescription)
Tiratricol, 3,3',5-triiodothyroacetic acid
tobramycin (antibiotic)s
tolfenamic acid,(prescription)
toltrazuril non-drug
toremifene,(prescription)
Tosufloxacin hydrochloride
triclosan
trifluoromazine hydrochloride,(prescription)
trifluridine,(prescription)
trimeprazine tartrate,(prescription)
trimethoprim (antibiotic)s 50 mg/d
troglitazone,(prescription)
troleandomycin (antibiotic)
tylosin,(prescription)
VANCOMYCIN (ANTIBIOTIC)[CFS]
zafirlukast,(prescription)

lincomycin (antibiotic)s
linezolid (antibiotic)

Zidovudine, AZT
zotepine,(prescription)
zuclopenthixol dihydrochloride,(prescription)

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.

- apple
- arabinogalactan (prebiotic)
- bacillus subtilis (probiotics)
- barley
- berberine
- clostridium butyricum (probiotics),Miya,Miyarisan
- Dangshen
- fructo-oligosaccharides (prebiotic)
- galacto-oligosaccharides (prebiotic)
- Glucomannan
- high red meat
- Human milk oligosaccharides (prebiotic, Holigos, Stachyose)
- inulin (prebiotic)
- iron
- ketogenic diet
- lactobacillus acidophilus (probiotics)
- lactobacillus plantarum (probiotics)
- lactulose
- mediterranean diet
- oligosaccharides (prebiotic)
- partially hydrolyzed guar gum
- pectin
- Pulses
- raffinose(sugar beet)
- red wine
- resveratrol (grape seed/polyphenols/red wine)
- Slippery Elm
- soy
- wheat bran
- whey
- xylan (prebiotic)

Sample of Literature Used

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

Microbiota and metabolome associated with immunoglobulin A nephropathy (IgAN).
PloS one , Volume: 9 Issue: 6 2014
Authors De Angelis M,Montemurno E,Piccolo M,Vannini L,Lauriero G,Maranzano V,Gozzi G,Serrazanetti D,Dalfino G,Gobbetti M,Gesualdo L

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

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

Xylooligosaccharides produced from sugarcane leaf arabinoxylan using xylanase from Aureobasidium pullulans NRRL 58523 and its prebiotic activity toward Lactobacillus spp.
Heliyon , Volume: 9 Issue: 11 2023 Nov
Authors Nongkhai SN,Piemthongkham P,Bankeeree W,Punnapayak H,Lotrakul P,Prasongsuk S

Gut microbiome supplementation as therapy for metabolic syndrome.
World journal of diabetes , Volume: 14 Issue: 10 2023 Oct 15
Authors Antony MA,Chowdhury A,Edem D,Raj R,Nain P,Joglekar M,Verma V,Kant R

Ketogenic Diet Has Moderate Effects on the Fecal Microbiota of Wild-Type Mice.
Nutrients , Volume: 15 Issue: 21 2023 Oct 31
Authors Rohwer N,El Hage R,Smyl C,Ocvirk S,Goris T,Grune T,Swidsinski A,Weylandt KH

Utilization of diverse oligosaccharides for growth by Bifidobacterium and Lactobacillus species and their in vitro co-cultivation characteristics.
International microbiology : the official journal of the Spanish Society for Microbiology , 2023 Nov 9
Authors Dong Y,Han M,Fei T,Liu H,Gai Z

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

Effect of a Co-Feed Liquid Whey-Integrated Diet on Crossbred Pigs` Fecal Microbiota.
Animals : an open access journal from MDPI , Volume: 13 Issue: 11 2023 May 25
Authors Sutera AM,Arfuso F,Tardiolo G,Riggio V,Fazio F,Aiese Cigliano R,Paytuví A,Piccione G,Zumbo A

A Pectic Polysaccharide from Codonopsis pilosula Alleviates Inflammatory Response and Oxidative Stress of Aging Mice via Modulating Intestinal Microbiota-Related Gut-Liver Axis.
Antioxidants (Basel, Switzerland) , Volume: 12 Issue: 9 2023 Sep 19
Authors Zou Y,Yan H,Li C,Wen F,Jize X,Zhang C,Liu S,Zhao Y,Fu Y,Li L,Liu F,Chen J,Li R,Chen X,Tian M

Longitudinal effects of oral administration of antimicrobial drugs on fecal microbiota of horses.
Journal of veterinary internal medicine , 2023 Sep 8
Authors Gomez D,Toribio R,Caddey B,Costa M,Vijan S,Dembek K

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

The anti-hyperlipidemic effect and underlying mechanisms of barley (Hordeum vulgare L.) grass polysaccharides in mice induced by a high-fat diet.
Food & function , 2023 Jul 14
Authors Yan JK,Chen TT,Li LQ,Liu F,Liu X,Li L

Influences of wheat bran fiber on growth performance, nutrient digestibility, and intestinal epithelium functions in Xiangcun pigs.
Heliyon , Volume: 9 Issue: 7 2023 Jul
Authors Liu J,Luo Y,Kong X,Yu B,Zheng P,Huang Z,Mao X,Yu J,Luo J,Yan H,He J

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

Nutrients , Volume: 15 Issue: 13 2023 Jul 5
Authors Balderas C,de Ancos B,Sánchez-Moreno C
Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.
The Journal of nutrition , 2023 Jun 20
Authors Eudy BJ,Odle J,Lin X,Maltecca C,Walter KR,McNulty NP,Fellner V,Jacobi SK
Effects of liposoluble components of highland barley spent grains on physiological indexes, intestinal microorganisms, and the liver transcriptome in mice fed a high-fat diet.
Food science & nutrition , Volume: 11 Issue: 6 2023 Jun
Authors Zhang J,Luo Y,Feng S,Sun W,Li S,Kong L
Targeted modification of gut microbiota and related metabolites via dietary fiber.
Carbohydrate polymers , Volume: 316 2023 Sep 15
Authors Nie Q,Sun Y,Li M,Zuo S,Chen C,Lin Q,Nie S
Rifaximin Modifies Gut Microbiota and Attenuates Inflammation in Parkinson`s Disease: Preclinical and Clinical Studies.
Cells , Volume: 11 Issue: 21 2022 Nov 2
Authors Hong CT,Chan L,Chen KY,Lee HH,Huang LK,Yang YSH,Liu YR,Hu CJ
A red wine intervention does not modify plasma trimethylamine N-oxide but is associated with broad shifts in the plasma metabolome and gut microbiota composition.
The American journal of clinical nutrition , Volume: 116 Issue: 6 2022 Dec 19
Authors Haas EA,Saad MJA,Santos A,Vitulo N,Lemos WJF,Martins AMA,Picossi CRC,Favarato D,Gaspar RS,Magro DO,Libby P,Laurindo FRM,Da Luz PL,WineFlora Study
Codonopsis pilosula oligosaccharides modulate the gut microbiota and change serum metabolomic profiles in high-fat diet-induced obese mice.
Food & function , Volume: 13 Issue: 15 2022 Aug 1
Authors Bai R,Cui F,Li W,Wang Y,Wang Z,Gao Y,Wang N,Xu Q,Hu F,Zhang 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
Codonopsis pilosula Polysaccharide Improved Spleen Deficiency in Mice by Modulating Gut Microbiota and Energy Related Metabolisms.
Frontiers in pharmacology , Volume: 13 2022
Authors Cao L,Du C,Zhai X,Li J,Meng J,Shao Y,Gao J
Dietary Supplementation with Vitamin D, Fish Oil or Resveratrol Modulates the Gut Microbiome in Inflammatory Bowel Disease.
International journal of molecular sciences , Volume: 23 Issue: 1 2021 Dec 24
Authors Wellington VNA,Sundaram VL,Singh S,Sundaram U
Effects of Dietary Supplementation With *Bacillus subtilis*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.
Frontiers in nutrition , Volume: 8 2021
Authors Qiu K,Li CL,Wang J,Qi GH,Gao J,Zhang HJ,Wu SG
The relationship between human milk, a functional nutrient, and microbiota.
Critical reviews in food science and nutrition , 2021 Dec 6
Authors Sakarya E,Sanlier NT,Sanlier N
Fructooligosaccharides Increase in Plasma Concentration of (-)-Epigallocatechin-3-Gallate in Rats.
Journal of agricultural and food chemistry , Volume: 69 Issue: 49 2021 Dec 15
Authors Unno T,Araki Y,Inagaki S,Kobayashi M,Ichitani M,Takihara T,Kinugasa H
Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with *Schistosoma japonicum*.
Frontiers in cell and developmental biology , Volume: 9 2021
Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X
Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides *via* Reprograming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.
Frontiers in immunology , Volume: 12 2021
Authors Ding S,Jiang H,Fang J,Liu G
Bifidobacterium catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.
Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec
Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA

Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.

Journal of animal science , 2021 Oct 23

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

Supplementation with *Lactiplantibacillus plantarum* IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.

International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16

Authors Micioni Di Bonaventura MV,Coman MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C

Unravelling the collateral damage of antibiotics on gut bacteria.

Nature , Volume: 599 Issue: 7883 2021 Nov

Authors Maier L,Goemans CV,Wirbel J,Kuhn M,Eberl C,Pruteanu M,Müller P,Garcia-Santamarina S,Cacace E,Zhang B,Gekeler C,Banerjee T,Anderson EE,Milanese A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A

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

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

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

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

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7

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

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

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

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

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

Frontiers in medicine , Volume: 8 2021

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

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

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

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

Authors Jang KB,Purvis JM,Kim SW

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

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

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

Effects of Bacillus subtilis and Bacillus licheniformis on growth performance, immunity, short chain fatty acid production, antioxidant capacity, and cecal microflora in broilers.

Poultry science , Volume: 100 Issue: 9 2021 Jun 26

Authors Xu Y,Yu Y,Shen Y,Li Q,Lan J,Wu Y,Zhang R,Cao G,Yang C

Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.

International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 25

Authors Steimle A,Neumann M,Grant ET,Turner JD,Desai MS

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

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

Food & function , Volume: 12 Issue: 9 2021 May 11
Authors Belda I,Cueva C,Tamargo A,Ravarani CN,Acedo A,Bartolomé B,Moreno-Arribas MV
Clearance of Clostridioides difficile Colonization Is Associated with Antibiotic-Specific Bacterial Changes.
mSphere , Volume: 6 Issue: 3 2021 May 5
Authors Lesniak NA,Schubert AM,Sinani H,Schloss PD
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
The gut microbiome modulates the protective association between a Mediterranean diet and cardiometabolic disease risk.
Nature medicine , Volume: 27 Issue: 2 2021 Feb
Authors Wang DD,Nguyen LH,Li Y,Yan Y,Ma W,Rinott E,Ivey KL,Shai I,Willett WC,Hu FB,Rimm EB,Stampfer MJ,Chan AT,Huttenhower C
Dose-response and functional role of whey permeate as a source of lactose and milk oligosaccharides on intestinal health and growth of nursery pigs.
Journal of animal science , Volume: 99 Issue: 1 2021 Jan 1
Authors Jang KB,Purvis JM,Kim SW
Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With *Bacillus subtilis*-Fermented Milk *via* Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.
Frontiers in microbiology , Volume: 11 2020
Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R
Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (*Gallus gallus*): A Systematic Review.
Nutrients , Volume: 13 Issue: 1 2021 Jan 9
Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E
Dose-response and functional role of whey permeate as a source of lactose and milk oligosaccharides on intestinal health and growth of nursery pigs.
Journal of animal science , 2021 Jan 12
Authors Jang K,Purvis JM,Kim SW
Berberine alters gut microbial function through modulation of bile acids.
BMC microbiology , Volume: 21 Issue: 1 2021 Jan 11
Authors Wolf PG,Devendran S,Doden HL,Ly LK,Moore T,Takei H,Nittono H,Murai T,Kurosawa T,Chlipala GE,Green SJ,Kakiyama G,Kashyap P,McCracken VJ,Gaskins HR,Gillevet PM,Ridlon JM
Lactulose ingestion causes an increase in the abundance of gut-resident bifidobacteria in Japanese women: a randomised, double-blind, placebo-controlled crossover trial.
Beneficial microbes , 2021 Jan 4
Authors Sakai Y,Hamano H,Ochi H,Abe F,Masuda K,Iino H
Selective Utilization of the Human Milk Oligosaccharides 2`-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.
Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13
Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Anglenius H,Maukonen J
Impact of Mediterranean Diet on Disease Activity and Gut Microbiota Composition of Rheumatoid Arthritis Patients.
Microorganisms , Volume: 8 Issue: 12 2020 Dec 14
Authors Picchianti Diamanti A,Panebianco C,Salerno G,Di Rosa R,Salemi S,Sorgi ML,Meneguzzi G,Mariani MB,Rai A,Iacono D,Sesti G,Pazienza V,Laganà B
Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.
European journal of nutrition , 2020 Nov 22
Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H
Effects of Different Human Milk Oligosaccharides on Growth of *Bifidobacteria* in Monoculture and Co-culture With *Faecalibacterium prausnitzii*.
Frontiers in microbiology , Volume: 11 2020
Authors Cheng L,Kiewiet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P
Alginate- and Gelatin-Coated Apple Pieces as Carriers for *Bifidobacterium animalis* subsp. *lactis* DSM 10140.
Frontiers in microbiology , Volume: 11 2020
Authors Campaniello D,Bevilacqua A,Speranza B,Sinigaglia M,Corbo MR
Enterococcus faecium R0026 combined with *Bacillus subtilis* R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.
Journal of microbiology and biotechnology , 2020 Oct 20

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

Relative abundance of the Prevotella genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.

BMC microbiology , Volume: 20 Issue: 1 2020 Sep 14

Authors Chung WSF,Walker AW,Bosscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ

Characterizing the gut microbiota in females with infertility and preliminary results of a water-soluble dietary fiber intervention study.

Journal of clinical biochemistry and nutrition , Volume: 67 Issue: 1 2020 Jul

Authors Komiya S,Naito Y,Okada H,Matsuo Y,Hirota K,Takagi T,Mizushima K,Inoue R,Abe A,Morimoto Y

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

Journal of applied microbiology , 2020 Jul 6

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

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

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

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

Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?

Nutrients , Volume: 12 Issue: 6 2020 Jun 12

Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K

The Protective Effects of 2`-Fucosyllactose against *E. Coli* O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.

Nutrients , Volume: 12 Issue: 5 2020 May 1

Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S

Prebiotic Effects of Partially Hydrolyzed Guar Gum on the Composition and Function of the Human Microbiota-Results from the PAGODA Trial.

Nutrients , Volume: 12 Issue: 5 2020 Apr 28

Authors Reider SJ,Moosmang S,Tragust J,Trgovec-Greif L,Tragust S,Perschy L,Przysiecki N,Sturm S,Tilg H,Stuppner H,Rattei T,Moschen AR

2`-fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice.

Nutrients , Volume: 12 Issue: 4 2020 Apr 5

Authors Lee S,Goodson M,Vang W,Kalanetra K,Barile D,Raybould H

Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE-/- Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Wu M,Yang S,Wang S,Cao Y,Zhao R,Li X,Xing Y,Liu L

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

Veterinary world , Volume: 12 Issue: 12 2019 Dec

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

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

Gut microbes , 2020 Jan 13

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

Food for thought about manipulating gut bacteria.

Nature , Volume: 577 Issue: 7788 2020 Jan

Authors Delzenne NM,Bindels LB

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

European journal of nutrition , 2019 Oct 11

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

Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.

NPJ biofilms and microbiomes , Volume: 5 2019

Authors La Carpia F,Wojczyk BS,Annavajhala MK,Rebbaa A,Culp-Hill R,D`Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

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

Partially hydrolyzed guar gum alleviates small intestinal mucosal damage after massive small bowel resection along with

changes in the intestinal microbiota.

Journal of pediatric surgery , Volume: 54 Issue: 12 2019 Dec

Authors Fujii T,Chiba Y,Nakayama-Imaohji H,Onishi S,Tanaka A,Katami H,Kaji T,Ieiri S,Miki T,Ueno M,Kuwahara T,Shimono R

Effect of Repeated Consumption of Partially Hydrolyzed Guar Gum on Fecal Characteristics and Gut Microbiota: A Randomized, Double-Blind, Placebo-Controlled, and Parallel-Group Clinical Trial.

Nutrients , Volume: 11 Issue: 9 2019 Sep 10

Authors Yasukawa Z,Inoue R,Ozeki M,Okubo T,Takagi T,Honda A,Naito Y

Immunomodulatory and Prebiotic Effects of 2`-Fucosyllactose in Suckling Rats.

Frontiers in immunology , Volume: 10 2019

Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van`t Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

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

PloS one , Volume: 14 Issue: 7 2019

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

Different duck products protein on rat physiology and gut microbiota.

Journal of proteomics , Volume: 206 2019 Jun 29

Authors Wei T,Dang Y,Cao J,Wu Z,He J,Sun Y,Pan D,Tian Z

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

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

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

Stability of probiotics with antibiotics via gastric tube by simple suspension method: An in vitro study.

Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy , 2019 May 21

Authors Mitsuboshi S,Muto K,Okubo K,Fukuhara M

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

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

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

Fermented Momordica charantia L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.

Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul

Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY

Associations between usual diet and gut microbiota composition: results from the Milieu Intérieur cross-sectional study.

The American journal of clinical nutrition , Volume: 109 Issue: 5 2019 May 1

Authors Partula V,Mondot S,Torres MJ,Kesse-Guyot E,Deschasaux M,Assmann K,Latino-Martel P,Buscail C,Julia C,Galan P,Hercberg S,Rouilly V,Thomas S,Quintana-Murci L,Albert ML,Duffy D,Lantz O,Touvier M,Milieu Intérieur Consortium

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

Frontiers in physiology , Volume: 9 2018

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

Monensin Alters the Functional and Metabolomic Profile of Rumen Microbiota in Beef Cattle.

Animals : an open access journal from MDPI , Volume: 8 Issue: 11 2018 Nov 17

Authors Ogunade I,Schweickart H,Andries K,Lay J,Adeyemi J

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

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

Effects of dietary supplementation with Clostridium butyricum on laying performance, egg quality, serum parameters, and cecal microflora of laying hens in the late phase of production.

Poultry science , Volume: 98 Issue: 2 2019 Feb 1
Authors Zhan HQ,Dong XY,Li LL,Zheng YX,Gong YJ,Zou XT
Behavioral response to fiber feedingis cohort-dependent and associated with gut microbiota composition in mice.
Behavioural brain research , Volume: 359 2019 Feb 1
Authors Mailing LJ,Allen JM,Pence BD,Rytych J,Sun Y,Bhattacharya TK,Park P,Cross TL,McCusker RH,Swanson KS,Fahey GC,Rhodes JS,Kelley KW,Johnson RW,Woods JA
Absorption of Codonopsis pilosula Saponins by Coexisting Polysaccharides Alleviates Gut Microbial Dysbiosis with Dextran Sulfate Sodium-Induced Colitis in Model Mice.
BioMed research international , Volume: 2018 2018
Authors Jing Y,Li A,Liu Z,Yang P,Wei J,Chen X,Zhao T,Bai Y,Zha L,Zhang C
[Microbiological profiles of pathogens causing nosocomial bacteremia in 2011, 2013 and 2016].
Sheng wu gong cheng xue bao = Chinese journal of biotechnology , Volume: 34 Issue: 8 2018 Aug 25
Authors Wang X,Zhao C,Li H,Chen H,Jin L,Wang Z,Liao K,Zeng J,Xu X,Jin Y,Su D,Liu W,Hu Z,Cao B,Chu Y,Zhang R,Luo Y,Hu B,Wang H
Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.
Environmental microbiology , Volume: 20 Issue: 9 2018 Sep
Authors De Paepe K,Verspreet J,Verbeke K,Raes J,Courtin CM,Van de Wiele T
The Polysaccharides from Codonopsis pilosula Modulates the Immunity and Intestinal Microbiota of Cyclophosphamide-Treated Immunosuppressed Mice.
Molecules (Basel, Switzerland) , Volume: 23 Issue: 7 2018 Jul 20
Authors Fu YP,Feng B,Zhu ZK,Feng X,Chen SF,Li LX,Yin ZQ,Huang C,Chen XF,Zhang BZ,Jia RY,Song X,Lv C,Yue GZ,Ye G,Liang XX,He CL,Yin LZ,Zou YF
Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.
The Journal of nutritional biochemistry , Volume: 59 2018 Sep
Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK
Pectin Alleviates High Fat (Lard) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.
Journal of agricultural and food chemistry , 2018 Jul 20
Authors Li W,Zhang K,Yang H
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
Gut Microbiome Composition in Non-human Primates Consuming a Western or Mediterranean Diet.
Frontiers in nutrition , Volume: 5 2018
Authors Nagpal R,Shively CA,Appt SA,Register TC,Michalson KT,Vitolins MZ,Yadav H
Role of probiotics in the treatment of minimal hepatic encephalopathy in patients with HBV-induced liver cirrhosis.
The Journal of international medical research , Volume: 46 Issue: 9 2018 Sep
Authors Xia X,Chen J,Xia J,Wang B,Liu H,Yang L,Wang Y,Ling Z
Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.
Food & function , Volume: 9 Issue: 5 2018 May 23
Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X
Ketogenic diet enhances neurovascular function with altered gut microbiome in young healthy mice.
Scientific reports , Volume: 8 Issue: 1 2018 Apr 27
Authors Ma D,Wang AC,Parikh I,Green SJ,Hoffman JD,Chlipala G,Murphy MP,Sokola BS,Bauer B,Hartz AMS,Lin AL
Prebiotic Mannan-Oligosaccharides Augment the Hypoglycemic Effects of Metformin in Correlation with Modulating Gut Microbiota.
Journal of agricultural and food chemistry , Volume: 66 Issue: 23 2018 Jun 13
Authors Zheng J,Li H,Zhang X,Jiang M,Luo C,Lu Z,Xu Z,Shi J
Modifications in gut microbiota and fermentation metabolites in the hindgut of rats after the consumption of galactooligosaccharide glycated with a fish peptide.
Food & function , Volume: 9 Issue: 5 2018 May 1
Authors Jin W,Han K,Dong S,Yang Y,Mao Z,Su M,Zeng M
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
Extensive impact of non-antibiotic drugs on human gut bacteria.
Nature , Volume: 555 Issue: 7698 2018 Mar 29
Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A
Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.
Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7
Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM
Xylan supplement improves 1,3-propanediol fermentation by Clostridium butyricum.
Journal of bioscience and bioengineering , 2018 Mar 10
Authors Apiwatanapiwat W,Vaithanomsat P,Thanapase W,Ratanakhanokchai K,Kosugi A
Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.
PeerJ , Volume: 6 2018
Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X
Enhancing syntrophic associations among Clostridium butyricum, Syntrophomonas and two types of methanogen by zero valent iron in an anaerobic assay with a high organic loading.
Bioresource technology , Volume: 257 2018 Jun
Authors Kong X,Yu S,Fang W,Liu J,Li H
Fermentation of non-digestible raffinose family oligosaccharides and galactomannans by probiotics.
Food & function , Volume: 9 Issue: 3 2018 Mar 1
Authors Zartl B,Silberbauer K,Loeppert R,Viernstein H,Praznik W,Mueller M
Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.
Food & function , 2018 Feb 21
Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan J
The effect of Clostridium butyricum on symptoms and fecal microbiota in diarrhea-dominant irritable bowel syndrome: a randomized, double-blind, placebo-controlled trial.
Scientific reports , Volume: 8 Issue: 1 2018 Feb 14
Authors Sun YY,Li M,Li YY,Li LX,Zhai WZ,Wang P,Yang XX,Gu X,Song LJ,Li Z,Zuo XL,Li YQ
Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.
Frontiers in microbiology , Volume: 9 2018
Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J
Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress.
Canadian journal of microbiology , 2018 Feb 5
Authors Wang Y,Guo Y,Chen H,Wei H,Wan C
The Relationship between Habitual Dietary Intake and Gut Microbiota in Young Japanese Women.
Journal of nutritional science and vitaminology , Volume: 63 Issue: 6 2017
Authors Seura T,Yoshino Y,Fukuwatari T
Transferrin and Lactoferrin - Human Iron Sources for Enterococci.
Polish journal of microbiology , Volume: 66 Issue: 4 2017 Dec 4
Authors Lisiecki P
Protective effects of natural and partially degraded konjac glucomannan on Bifidobacteria against antibiotic damage.
Carbohydrate polymers , Volume: 181 2018 Feb 1
Authors Mao YH,Song AX,Yao ZP,Wu JY
Effects of Lactobacillus acidophilus on gut microbiota composition in broilers challenged with Clostridium perfringens.
PloS one , Volume: 12 Issue: 11 2017
Authors Li Z,Wang W,Liu D,Guo Y
Doxycycline induces dysbiosis in female C57BL/6NCrl mice
BMC Research Notes , Volume: 10 2017 Nov 29
Authors Boynton FD,Ericsson AC,Uchihashi M,Dunbar ML,Wilkinson JE
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
Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.
The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct
Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG
Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.
International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4
Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D
Ketogenic diet poses a significant effect on imbalanced gut microbiota in infants with refractory epilepsy.
World journal of gastroenterology , Volume: 23 Issue: 33 2017 Sep 7
Authors Xie G,Zhou Q,Qiu CZ,Dai WK,Wang HP,Li YH,Liao JX,Lu XG,Lin SF,Ye JH,Ma ZY,Wang WJ
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
Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population.
Scientific reports , Volume: 7 Issue: 1 2017 Sep 18
Authors Liu F,Li P,Chen M,Luo Y,Prabhakar M,Zheng H,He Y,Qi Q,Long H,Zhang Y,Sheng H,Zhou H
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
Changes in the intestinal microbiota following the administration of azithromycin in a randomised placebo-controlled trial among infants in south India
Scientific Reports , Volume: 7 2017 Aug 23
Authors Parker EP,Praharaj I,John J,Kaliappan SP,Kampmann B,Kang G,Grassly NC
Effects of One-Week Empirical Antibiotic Therapy on the Early Development of Gut Microbiota and Metabolites in Preterm Infants
Scientific Reports , Volume: 7 2017 Aug 14
Authors Zhu D,Xiao S,Yu J,Ai Q,He Y,Cheng C,Zhang Y,Pan Y
Beef, Chicken, and Soy Proteins in Diets Induce Different Gut Microbiota and Metabolites in Rats.
Frontiers in microbiology , Volume: 8 2017
Authors Zhu Y,Shi X,Lin X,Ye K,Xu X,Li C,Zhou G
Effects of oral florfenicol and azithromycin on gut microbiota and adipogenesis in mice.
PloS one , Volume: 12 Issue: 7 2017
Authors Li R,Wang H,Shi Q,Wang N,Zhang Z,Xiong C,Liu J,Chen Y,Jiang L,Jiang Q
Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.
Nutrients , Volume: 9 Issue: 7 2017 Jul 18
Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejda-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF
Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity.
Scientific reports , Volume: 7 Issue: 1 2017 Jul 17
Authors Suriano F,Bindels LB,Verspreet J,Courtin CM,Verbeke K,Cani PD,Neyrinck AM,Delzenne NM
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
Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model.
Nutrients , Volume: 9 Issue: 6 2017 May 24
Authors Koutsos A,Lima M,Conterno L,Gasperotti M,Bianchi M,Fava F,Vrhovsek U,Lovegrove JA,Tuohy KM
The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.
Science translational medicine , Volume: 9 Issue: 390 2017 May 17
Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI
Effect of dietary supplementation with Lactobacillus acidophilus D2/CSL (CECT 4529) on caecum microbioma and productive performance in broiler chickens.

PloS one , Volume: 12 Issue: 5 2017
Authors De Cesare A,Sirri F,Manfreda G,Moniaci P,Giardini A,Zampiga M,Meluzzi A
Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.
Molecular medicine reports , Volume: 15 Issue: 5 2017 May
Authors Xu JH,Liu XZ,Pan W,Zou DJ
Influence of diet on the gut microbiome and implications for human health.
Journal of translational medicine , Volume: 15 Issue: 1 2017 Apr 8
Authors Singh RK,Chang HW,Yan D,Lee KM,Ucmak D,Wong K,Abrouk M,Farahnik B,Nakamura M,Zhu TH,Bhutani T,Liao W
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
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
Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.
Journal of dairy science , Volume: 100 Issue: 4 2017 Apr
Authors Boudry G,Hamilton MK,Chichlowski M,Wickramasinghe S,Barile D,Kalanetra KM,Mills DA,Raybould HE
Etiologies of community-onset urinary tract infections requiring hospitalization and antimicrobial susceptibilities of causative microorganisms.
Journal of microbiology, immunology, and infection = Wei mian yu gan ran za zhi , Volume: 50 Issue: 6 2017 Dec
Authors Chiu CC,Lin TC,Wu RX,Yang YS,Hsiao PJ,Lee Y,Lin JC,Chang FY
Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.
Proceedings of the National Academy of Sciences of the United States of America , Volume: 114 Issue: 3 2017 Jan 17
Authors Azcarate-Peril MA,Ritter AJ,Savaiano D,Monteagudo-Mera A,Anderson C,Magness ST,Klaenhammer TR
Prospective randomized controlled study on the effects of Saccharomyces boulardii CNCM I-745 and amoxicillin-clavulanate or the combination on the gut microbiota of healthy volunteers.
Gut microbes , Volume: 8 Issue: 1 2017 Jan 2
Authors Kabbani TA,Pallav K,Dowd SE,Villafuerte-Galvez J,Vanga RR,Castillo NE,Hansen J,Dennis M,Leffler DA,Kelly CP
Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.
Diabetes , Volume: 66 Issue: 2 2017 Feb
Authors Sung MM,Kim TT,Denou E,Soltys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR
Clinical characteristics and antimicrobial susceptibilities of anaerobic bacteremia in an acute care hospital.
Anaerobe , Volume: 43 2017 Feb
Authors Tan TY,Ng LS,Kwang LL,Rao S,Eng LC
Breaking the resistance of Escherichia coli: Antimicrobial activity of Berberis lycium Royle.
Microbial pathogenesis , Volume: 102 2017 Jan
Authors Malik TA,Kamili AN,Chishti MZ,Ahad S,Tantry MA,Hussain PR,Johri RK
Oligofructose as an adjunct in treatment of diabetes in NOD mice.
Scientific reports , Volume: 6 2016 Nov 22
Authors Chan C,Hyslop CM,Shrivastava V,Ochoa A,Reimer RA,Huang C
Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.
International journal of food microbiology , Volume: 241 2017 Jan 16
Authors Moens F,Verce M,De Vuyst L
Soy and Gut Microbiota: Interaction and Implication for Human Health.
Journal of agricultural and food chemistry , Volume: 64 Issue: 46 2016 Nov 23
Authors Huang H,Krishnan HB,Pham Q,Yu LL,Wang TT
Effects of long-term Bacillus subtilis CGMCC 1.921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.
Poultry science , Volume: 96 Issue: 5 2017 May 1
Authors Guo JR,Dong XF,Liu S,Tong JM

Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.
BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26
Authors Bunesova V,Lacroix C,Schwab C

Oral supplementation of healthy adults with 2`-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.
The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct
Authors Elison E,Vigsnaes LK,Rindom Krogsgaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P

Short- and long-term effects of oral vancomycin on the human intestinal microbiota.
The Journal of antimicrobial chemotherapy , Volume: 72 Issue: 1 2017 Jan
Authors Isaac S,Scher JU,Djukovic A,Jiménez N,Littman DR,Abramson SB,Pamer EG,Ubeda C

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

An ATP Binding Cassette Transporter Mediates the Uptake of a-(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.
The Journal of biological chemistry , Volume: 291 Issue: 38 2016 Sep 16
Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M

Randomised, double-blind, placebo-controlled trial with azithromycin selects for anti-inflammatory microbial metabolites in the emphysematous lung.
Thorax , Volume: 72 Issue: 1 2017 Jan
Authors Segal LN,Clemente JC,Wu BG,Wikoff WR,Gao Z,Li Y,Ko JP,Rom WN,Blaser MJ,Weiden MD

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

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with Lactobacillus plantarum ZDY2013.
Journal of dairy science , Volume: 99 Issue: 9 2016 Sep
Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

Significant pharmacokinetic differences of berberine are attributable to variations in gut microbiota between Africans and Chinese.
Scientific reports , Volume: 6 2016 Jun 10
Authors Alolga RN,Fan Y,Chen Z,Liu LW,Zhao YJ,Li J,Chen Y,Lai MD,Li P,Qi LW

The effect of berberine hydrochloride on Enterococcus faecalis biofilm formation and dispersion in vitro.
Microbiological research , Volume: 186-187 2016 May-Jun
Authors Chen L,Bu Q,Xu H,Liu Y,She P,Tan R,Wu Y

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

Mediterranean diet and faecal microbiota: a transversal study.
Food & function , Volume: 7 Issue: 5 2016 May 18
Authors Gutiérrez-Díaz I,Fernández-Navarro T,Sánchez B,Margolles A,González S

Inflammasome signaling affects anxiety- and depressive-like behavior and gut microbiome composition.
Molecular psychiatry , Volume: 21 Issue: 6 2016 Jun
Authors Wong ML,Inserra A,Lewis MD,Mastronardi CA,Leong L,Choo J,Kentish S,Xie P,Morrison M,Wesselingh SL,Rogers GB,Licinio J

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

Modulation of Gut Microbiota by Berberine Improves Steatohepatitis in High-Fat Diet-Fed BALB/C Mice.

Archives of Iranian medicine , Volume: 19 Issue: 3 2016 Mar
Authors Cao Y,Pan Q,Cai W,Shen F,Chen GY,Xu LM,Fan JG
Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.

Food & function , Volume: 7 Issue: 3 2016 Mar
Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY
Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.

Gut , Volume: 66 Issue: 5 2017 May
Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkouvardos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D
High purity galacto-oligosaccharides enhance specific Bifidobacterium species and their metabolic activity in the mouse gut microbiome.

Beneficial microbes , Volume: 7 Issue: 2 2016
Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA
The Effects of Inulin on Characteristics of Lactobacillus paracasei TD3 (IBRC-M 10784) as Probiotic Bacteria in vitro.

Archives of Iranian medicine , Volume: 19 Issue: 2 2016 Feb
Authors Mahboubi M,Kazempour N
Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.

Journal of dairy science , Volume: 99 Issue: 3 2016 Mar
Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X
Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.

The Journal of nutrition , Volume: 146 Issue: 2 2016 Feb
Authors Jacobi SK,Yatsunenko T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J
Characterization of mannanase from Bacillus circulans NT 6.7 and its application in mannooligosaccharides preparation as prebiotic.

SpringerPlus , Volume: 4 2015
Authors Pangsri P,Piwpankaew Y,Ingkakul A,Nitisinprasert S,Keawsompong S
Modulation of the gut microbiota composition by rifaximin in non-constipated irritable bowel syndrome patients: a molecular approach

Clinical and Experimental Gastroenterology , Volume: 8 2015 Dec 4
Authors Soldi S,Vasileiadis S,Uggeri F,Campanale M,Morelli L,Fogli MV,Calanni F,Grimaldi M,Gasbarrini A
Review article: the antimicrobial effects of rifaximin on the gut microbiota.

Alimentary pharmacology & therapeutics , Volume: 43 Suppl 1 2016 Jan
Authors DuPont HL
Two Healthy Diets Modulate Gut Microbial Community Improving Insulin Sensitivity in a Human Obese Population.

The Journal of clinical endocrinology and metabolism , Volume: 101 Issue: 1 2016 Jan
Authors Haro C,Montes-Borrego M,Rangel-Zúñiga OA,Alcalá-Díaz JF,Gómez-Delgado F,Pérez-Martínez P,Delgado-Lista J,Quintana-Navarro GM,Tinahones FJ,Landa BB,López-Miranda J,Camargo A,Pérez-Jiménez F
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
Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects.

Food & function , Volume: 7 Issue: 1 2016 Jan
Authors Cuervo A,Hevia A,López P,Suárez A,Diaz C,Sánchez B,Margolles A,González S
High-level adherence to a Mediterranean diet beneficially impacts the gut microbiota and associated metabolome.

Gut , Volume: 65 Issue: 11 2016 Nov
Authors De Filippis F,Pellegrini N,Vannini L,Jeffery IB,La Storia A,Laghi L,Serrazanetti DI,Di Cagno R,Ferrocino I,Lazzi C,Turroni S,Cocolin L,Brigidi P,Neviani E,Gobbetti M,O`Toole PW,Ercolini D
Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats.

Scientific reports , Volume: 5 2015 Sep 23
Authors Zhang X,Zhao Y,Xu J,Xue Z,Zhang M,Pang X,Zhang X,Zhao L
Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov
Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

The gut microbial community in metabolic syndrome patients is modified by diet.
The Journal of nutritional biochemistry , Volume: 27 2016 Jan
Authors Haro C,Garcia-Carpintero S,Alcala-Diaz JF,Gomez-Delgado F,Delgado-Lista J,Perez-Martinez P,Rangel Zuñiga OA,Quintana-Navarro GM,Landa BB,Clemente JC,Lopez-Miranda J,Camargo A,Perez-Jimenez F

Equol status and changes in fecal microbiota in menopausal women receiving long-term treatment for menopause symptoms with a soy-isoflavone concentrate.
Frontiers in microbiology , Volume: 6 2015
Authors Guadamuro L,Delgado S,Redruello B,Flórez AB,Suárez A,Martínez-Camblor P,Mayo B

In vitro digestion and fermentation properties of linear sugar-beet arabinan and its oligosaccharides.
Carbohydrate polymers , Volume: 131 2015 Oct 20
Authors Moon JS,Shin SY,Choi HS,Joo W,Cho SK,Li L,Kang JH,Kim TJ,Han NS

In vitro fermentation of lupin seeds (Lupinus albus) and broad beans (Vicia faba): dynamic modulation of the intestinal microbiota and metabolomic output.
Food & function , Volume: 6 Issue: 10 2015 Oct
Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM

Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.
Biology of sex differences , Volume: 6 2015
Authors Shastri P,McCarville J,Kalmokoff M,Brooks SP,Green-Johnson JM

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

Wheat and barley differently affect porcine intestinal microbiota.
Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr
Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

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

Butyrylated starch intake can prevent red meat-induced O6-methyl-2-deoxyguanosine adducts in human rectal tissue: a randomised clinical trial.
The British journal of nutrition , Volume: 114 Issue: 2 2015 Jul
Authors Le Leu RK,Winter JM,Christophersen CT,Young GP,Humphreys KJ,Hu Y,Gratz SW,Miller RB,Topping DL,Bird AR,Conlon MA

Antimicrobial activity and antibiotic susceptibility of Lactobacillus and Bifidobacterium spp. intended for use as starter and probiotic cultures.
Biotechnology, biotechnological equipment , Volume: 29 Issue: 1 2015 Jan 2
Authors Georgieva R,Yocheva L,Tserovska L,Zhelezova G,Stefanova N,Atanasova A,Danguleva A,Ivanova G,Karapetkov N,Rumyan N,Karaivanova E

Different Dynamic Patterns of β-Lactams, Quinolones, Glycopeptides and Macrolides on Mouse Gut Microbial Diversity.
PloS one , Volume: 10 Issue: 5 2015
Authors Yin J,M P,Wang S,Liao SX,Peng X,He Y,Chen YR,Shen HF,Su J,Chen Y,Jiang YX,Zhang GX,Zhou HW

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

GUT MICROBIOTA DYSBIOSIS IS LINKED TO HYPERTENSION
Hypertension , Volume: 65 Issue: 6 2015 Apr 13
Authors Yang T,Santisteban MM,Rodriguez V,Li E,Ahmari N,Carvajal JM,Zadeh M,Gong M,Qi Y,Zubcevic J,Sahay B,Pepine CJ,Raizada MK,Mohamadzadeh M

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

Red wine consumption is associated with fecal microbiota and malondialdehyde in a human population.
Journal of the American College of Nutrition , Volume: 34 Issue: 2 2015
Authors Cuervo A,Reyes-Gavilán CG,Ruas-Madiedo P,Lopez P,Suarez A,Gueimonde M,González S

Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults.
Nutrients , Volume: 7 Issue: 2 2015 Feb 16

Authors Sheflin AM,Borresen EC,Wdowik MJ,Rao S,Brown RJ,Heuberger AL,Broeckling CD,Weir TL,Ryan EP

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

Collateral damage from oral ciprofloxacin versus nitrofurantoin in outpatients with urinary tract infections: a culture-free analysis of gut microbiota.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 21 Issue: 4 2015 Apr

Authors Stewardson AJ,Gaïa N,François P,Malhotra-Kumar S,Delémont C,Martinez de Tejada B,Schrenzel J,Harbarth S,Lazarevic V,SATURN WP1 and WP3 Study Groups.

In vitro fermentation of fructooligosaccharides with human gut bacteria.

Food & function , Volume: 6 Issue: 3 2015 Mar

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

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

Beneficial microbes , Volume: 6 Issue: 4 2015

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

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun

Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM

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

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

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

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

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

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

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

Beneficial microbes , Volume: 6 Issue: 4 2015

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

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

PloS one , Volume: 9 Issue: 11 2014

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

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

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

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

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

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

Poultry science , Volume: 93 Issue: 12 2014 Dec

Authors Jeong JS,Kim IH

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

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

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

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

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

Authors Saha DC,Reimer RA

Xylan utilization in human gut commensal bacteria is orchestrated by unique modular organization of polysaccharide-degrading enzymes.

Proceedings of the National Academy of Sciences of the United States of America , Volume: 111 Issue: 35 2014 Sep 2

Authors Zhang M,Chekan JR,Dodd D,Hong PY,Radlinski L,Revindran V,Nair SK,Mackie RI,Cann I

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

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

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

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

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

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

Changes in the treatment of Enterococcus faecalis infective endocarditis in Spain in the last 15 years: from ampicillin plus gentamicin to ampicillin plus ceftriaxone.

Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases , Volume: 20 Issue: 12 2014 Dec

Authors Pericas JM,Cervera C,del Rio A,Moreno A,Garcia de la Maria C,Almela M,Falces C,Ninot S,Castañeda X,Armero Y,Soy D,Gatell JM,Marco F,Mestres CA,Miro JM,Hospital Clinic Endocarditis Study Group.

High levels of Bifidobacteria are associated with increased levels of anthocyanin microbial metabolites: a randomized clinical trial.

Food & function , Volume: 5 Issue: 8 2014 Aug

Authors Boto-Ordóñez M,Urpi-Sarda M,Queipo-Ortuño MI,Tulipani S,Tinahones FJ,Andres-Lacueva C

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

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

Authors Lee YK

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

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

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

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

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

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

Abnormal Weight Gain and Gut Microbiota Modifications Are Side Effects of Long-Term Doxycycline and Hydroxychloroquine Treatment

Antimicrobial Agents and Chemotherapy , Volume: 58 Issue: 6 2014 Jun

Authors Angelakis E,Million M,Kankoe S,Lagier JC,Armougom F,Giorgi R,Raoult D

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

Effect of growth supplements and whey pretreatment on butyric acid production by Clostridium butyricum.

World journal of microbiology & biotechnology , Volume: 11 Issue: 3 1995 May

Authors Vandák D,Tomáška M,Zigová J,Sturdík E

In vitro activity of tigecycline and comparators against Gram-positive and Gram-negative isolates collected from the Middle East and Africa between 2004 and 2011.

International journal of antimicrobial agents , Volume: 43 Issue: 2 2014 Feb

Authors Kanj SS,Whitelaw A,Dowzicky MJ

Low incidence of spontaneous type 1 diabetes in non-obese diabetic mice raised on gluten-free diets is associated with changes in the intestinal microbiome.

PloS one , Volume: 8 Issue: 11 2013

Authors Marietta EV,Gomez AM,Yeoman C,Tilahun AY,Clark CR,Luckey DH,Murray JA,White BA,Kudva YC,Rajagopalan G

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

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

Authors Kuligowski M,Jasinska-Kuligowska I,Nowak J

Effect of prebiotic carbohydrates on growth, bile survival and cholesterol uptake abilities of dairy-related bacteria.

Journal of the science of food and agriculture , Volume: 94 Issue: 6 2014 Apr

Authors Ziar H,Gérard P,Riazi A

Probiotic features of two oral Lactobacillus isolates.
Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1 2012 Jan
Authors Zavisic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I

Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.
Glycobiology , Volume: 23 Issue: 11 2013 Nov
Authors Yu ZT,Chen C,Newburg DS

Dietary grape seed extract ameliorates symptoms of inflammatory bowel disease in IL10-deficient mice.
Molecular nutrition & food research , Volume: 57 Issue: 12 2013 Dec
Authors Wang H,Xue Y,Zhang H,Huang Y,Yang G,Du M,Zhu MJ

Antimicrobial Resistance Pattern in Enterococcus faecalis Strains Isolated From Expressed Prostatic Secretions of Patients With Chronic Bacterial Prostatitis.
Korean journal of urology , Volume: 54 Issue: 7 2013 Jul
Authors Seo Y,Lee G

Prebiotic effects of arabinoxylan oligosaccharides on juvenile Siberian sturgeon (Acipenser baerii) with emphasis on the modulation of the gut microbiota using 454 pyrosequencing.
FEMS microbiology ecology , Volume: 86 Issue: 2 2013 Nov
Authors Geraylou Z,Souffreau C,Rurangwa E,Maes GE,Spanier KI,Courtin CM,Delcour JA,Buyse J,Ollevier F

Modulation of the metabiome by rifaximin in patients with cirrhosis and minimal hepatic encephalopathy.
PloS one , Volume: 8 Issue: 4 2013
Authors Bajaj JS,Heuman DM,Sanyal AJ,Hylemon PB,Sterling RK,Stravitz RT,Fuchs M,Ridlon JM,Daita K,Monteith P,Noble NA,White MB,Fisher A,Sikaroodi M,Rangwala H,Gillevet PM

Antibacterial activity of konjac glucomannan/chitosan blend films and their irradiation-modified counterparts.
Carbohydrate polymers , Volume: 92 Issue: 2 2013 Feb 15
Authors Du X,Yang L,Ye X,Li B

Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.
FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun
Authors Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

Gut microbiome composition is linked to whole grain-induced immunological improvements.
The ISME journal , Volume: 7 Issue: 2 2013 Feb
Authors Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.
Glycobiology , Volume: 23 Issue: 2 2013 Feb
Authors Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS

Fermented milk supplemented with probiotics and prebiotics can effectively alter the intestinal microbiota and immunity of host animals.
Journal of dairy science , Volume: 95 Issue: 9 2012 Sep
Authors Wang S,Zhu H,Lu C,Kang Z,Luo Y,Feng L,Lu X

Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.
PloS one , Volume: 7 Issue: 8 2012
Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.
FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan
Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C

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

Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.
The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14

Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA
Grape antioxidant dietary fiber stimulates Lactobacillus growth in rat cecum.
Journal of food science , Volume: 77 Issue: 2 2012 Feb
Authors Pozuelo MJ,Agis-Torres A,Hervert-Hernández D,Elvira López-Oliva M,Muñoz-Martínez E,Rotger R,Goñi I
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
The association of minocycline and the probiotic Escherichia coli Nissle 1917 results in an additive beneficial effect in a DSS model of reactivated colitis in mice.
Biochemical pharmacology , Volume: 82 Issue: 12 2011 Dec 15
Authors Garrido-Mesa N,Utrilla P,Comalada M,Zorrilla P,Garrido-Mesa J,Zarzuelo A,Rodríguez-Cabezas ME,Gálvez J
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
Effect of liquid whey feeding on fecal microbiota of mature and growing pigs.
Animal science journal = Nihon chikusan Gakkaiho , Volume: 82 Issue: 4 2011 Aug
Authors Kobayashi Y,Itoh A,Miyawaki K,Koike S,Iwabuchi O,Iimura Y,Kobashi Y,Kawashima T,Wakamatsu J,Hattori A,Murakami H,Morimatsu F,Nakaebisu T,Hishinuma T
Wheat- and barley-based diets with or without additives influence broiler chicken performance, nutrient digestibility and intestinal microflora.
Journal of the science of food and agriculture , Volume: 92 Issue: 1 2012 Jan 15
Authors Rodríguez ML,Rebolé A,Velasco S,Ortiz LT,Treviño J,Alzueta C
Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice.
PloS one , Volume: 6 Issue: 6 2011
Authors Neyrinck AM,Possemiers S,Druart C,Van de Wiele T,De Backer F,Cani PD,Larondelle Y,Delzenne NM
Effects of dietary polyphenol-rich grape products on intestinal microflora and gut morphology in broiler chicks.
Poultry science , Volume: 90 Issue: 3 2011 Mar
Authors Viveros A,Chamorro S,Pizarro M,Arija I,Centeno C,Brenes A
Effect of ß-glucanase and xylanase supplementation of barley- and rye-based diets on caecal microbiota of broiler chickens.
British poultry science , Volume: 51 Issue: 4 2010 Aug
Authors Jozefiak D,Rutkowski A,Kaczmarek S,Jensen BB,Engberg RM,Højberg O
Rifaximin modulates the colonic microbiota of patients with Crohn`s disease: an in vitro approach using a continuous culture colonic model system.
The Journal of antimicrobial chemotherapy , Volume: 65 Issue: 12 2010 Dec
Authors Maccaferri S,Vitali B,Klinder A,Kolida S,Ndagijimana M,Laghi L,Calanni F,Brigidi P,Gibson GR,Costabile A
A new macrocyclic antibiotic, fidaxomicin (OPT-80), causes less alteration to the bowel microbiota of Clostridium difficile-infected patients than does vancomycin.
Microbiology (Reading, England) , Volume: 156 Issue: Pt 11 2010 Nov
Authors Tannock GW,Munro K,Taylor C,Lawley B,Young W,Byrne B,Emery J,Louie T
Oral administration of Clostridium butyricum for modulating gastrointestinal microflora in mice.
Current microbiology , Volume: 62 Issue: 2 2011 Feb
Authors Kong Q,He GQ,Jia JL,Zhu QL,Ruan H
Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.
Journal of animal science , Volume: 88 Issue: 9 2010 Sep
Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr
Low levels of faecal lactobacilli in women with iron-deficiency anaemia in south India.
The British journal of nutrition , Volume: 104 Issue: 7 2010 Oct
Authors Balamurugan R,Mary RR,Chittaranjan S,Jancy H,Shobana Devi R,Ramakrishna BS
Consumption of human milk oligosaccharides by gut-related microbes.
Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12
Authors Marcobal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA

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
Short-term antibiotic treatment has differing long-term impacts on the human throat and gut microbiome.
PloS one , Volume: 5 Issue: 3 2010 Mar 24
Authors Jakobsson HE,Jernberg C,Andersson AF,Sjölund-Karlsson M,Jansson JK,Engstrand L
Effect of apple intake on fecal microbiota and metabolites in humans.
Anaerobe , Volume: 16 Issue: 5 2010 Oct
Authors Shinohara K,Ohashi Y,Kawasumi K,Terada A,Fujisawa T
Antibiotic-induced perturbations of the intestinal microbiota alter host susceptibility to enteric infection.
Infection and immunity , Volume: 76 Issue: 10 2008 Oct
Authors Sekirov I,Tam NM,Jogova M,Robertson ML,Li Y,Lupp C,Finlay BB
In vitro effects of selected synbiotics on the human faecal microbiota composition.
FEMS microbiology ecology , Volume: 66 Issue: 3 2008 Dec
Authors Saulnier DM,Gibson GR,Kolida S
In vitro fermentation of oat and barley derived beta-glucans by human faecal microbiota.
FEMS microbiology ecology , Volume: 64 Issue: 3 2008 Jun
Authors Hughes SA,Shewry PR,Gibson GR,McCleary BV,Rastall RA
Physiological effects of extraction juices from apple, grape, and red beet pomaces in rats.
Journal of agricultural and food chemistry , Volume: 54 Issue: 26 2006 Dec 27
Authors Sembries S,Dongowski G,Mehrländer K,Will F,Dietrich H
Konjac acts as a natural laxative by increasing stool bulk and improving colonic ecology in healthy adults.
Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 22 Issue: 11-12 2006 Nov-Dec
Authors Chen HL,Cheng HC,Liu YJ,Liu SY,Wu WT
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
Intestinal microbiota of patients with bacterial infection of the respiratory tract treated with amoxicillin.
The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 9 Issue: 4 2005 Aug
Authors Monreal MT,Pereira PC,de Magalhães Lopes CA
Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.
Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct
Authors Knol J,Boehm G,Lidestri M,Negretti F,Jelinek J,Agosti M,Stahl B,Marini A,Mosca F
Molecular and microbiological analysis of caecal microbiota in rats fed with diets supplemented either with prebiotics or probiotics.
International journal of food microbiology , Volume: 98 Issue: 3 2005 Feb 15
Authors Montesi A,García-Albiach R,Pozuelo MJ,Pintado C,Goñi I,Rotger R
Antibiotic susceptibility profiles of new probiotic Lactobacillus and Bifidobacterium strains.
International journal of food microbiology , Volume: 98 Issue: 2 2005 Feb 1
Authors Zhou JS,Pillidge CJ,Gopal PK,Gill HS
Emerging resistance among bacterial pathogens in the intensive care unit--a European and North American Surveillance study (2000-2002).
Annals of clinical microbiology and antimicrobials , Volume: 3 2004 Jul 29
Authors Jones ME,Draghi DC,Thornsberry C,Karlowsky JA,Sahm DF,Wenzel RP
Antimicrobial susceptibility of the pathogens of bacteraemia in the UK and Ireland 2001-2002: the BSAC Bacteraemia Resistance Surveillance Programme.
The Journal of antimicrobial chemotherapy , Volume: 53 Issue: 6 2004 Jun
Authors Reynolds R,Potz N,Colman M,Williams A,Livermore D,MacGowan A,BSAC Extended Working Party on Bacteraemia Resistance Surveillance.
Antimicrobial resistance in Cairo, Egypt 1999-2000: a survey of five hospitals.
The Journal of antimicrobial chemotherapy , Volume: 51 Issue: 3 2003 Mar
Authors El Kholy A,Baseem H,Hall GS,Procop GW,Longworth DL
Dietary fiber-rich barley products beneficially affect the intestinal tract of rats.

The Journal of nutrition , Volume: 132 Issue: 12 2002 Dec
Authors Dongowski G,Huth M,Gebhardt E,Flamme W
Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.
The British journal of nutrition , Volume: 88 Suppl 1 2002 Sep
Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D
Oligofructose and long-chain inulin: influence on the gut microbial ecology of rats associated with a human faecal flora.
The British journal of nutrition , Volume: 86 Issue: 2 2001 Aug
Authors Kleessen B,Hartmann L,Blaut M
Evaluation of the in vitro activity of 9 antimicrobials against bacterial strains isolated from patients in intensive care units in brazil: MYSTIC Antimicrobial Surveillance Program.
The Brazilian journal of infectious diseases : an official publication of the Brazilian Society of Infectious Diseases , Volume: 4 Issue: 5 2000 Oct
Authors Mendes C,Hsiung A,Kiffer C,Oplustil C,Sinto S,Mimica I,Zoccoli C,Mystic Study Group.
[Sensitivity to antibiotics of bacteria from nosocomial infections. Evolution in resuscitation services of military hospitals].
Presse medicale (Paris, France : 1983) , Volume: 29 Issue: 27 2000 Sep 23
Authors Garrabé E,Cavallo JD,Brisou P,Chapalain JC,Coué JC,Courrier P,Granic G,Hervé V,Koeck JL,Morillon M,Claude JD,Rouby Y,Teyssou R
Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.
Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May
Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG
Comparative effects of moxifloxacin and clarithromycin on the normal intestinal microflora.
Scandinavian journal of infectious diseases , Volume: 32 Issue: 1 2000
Authors Edlund C,Beyer G,Hiemer-Bau M,Ziege S,Lode H,Nord CE
[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
Increased growth of Bifidobacterium and Eubacterium by germinated barley foodstuff, accompanied by enhanced butyrate production in healthy volunteers.
International journal of molecular medicine , Volume: 3 Issue: 2 1999 Feb
Authors Kanauchi O,Fujiyama Y,Mitsuyama K,Araki Y,Ishii T,Nakamura T,Hitomi Y,Agata K,Saiki T,Andoh A,Toyonaga A,Bamba T
Antibiotic susceptibility of potentially probiotic Lactobacillus species.
Journal of food protection , Volume: 61 Issue: 12 1998 Dec
Authors Charteris WP,Kelly PM,Morelli L,Collins JK
Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.
Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct
Authors Sghir A,Chow JM,Mackie RI
The colonization of a simulator of the human intestinal microbial ecosystem by a probiotic strain fed on a fermented oat bran product: effects on the gastrointestinal microbiota.
Applied microbiology and biotechnology , Volume: 50 Issue: 2 1998 Aug
Authors Kontula P,Jaskari J,Nollet L,De Smet I,von Wright A,Poutanen K,Mattila-Sandholm T
Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract.
Letters in applied microbiology , Volume: 26 Issue: 5 1998 May
Authors Charteris WP,Kelly PM,Morelli L,Collins JK
In vitro evaluation of activities of nitazoxanide and tizoxanide against anaerobes and aerobic organisms.
Antimicrobial agents and chemotherapy , Volume: 40 Issue: 10 1996 Oct
Authors Dubreuil L,Houcke I,Mouton Y,Rossignol JF
Effect of Konjac mannan on spontaneous liver tumorigenesis and fecal flora in C3H/He male mice.
Cancer letters , Volume: 17 Issue: 1 1982 Oct
Authors Mizutani T,Mitsuoka T
Metronidazole: in vitro activity, pharmacology and efficacy in anaerobic bacterial infections.
Pharmacotherapy , Volume: 1 Issue: 1 1981 Jul-Aug
Authors Tally FP,Sullivan CE
The fermentation of lactulose by colonic bacteria.
Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb

Authors Sahota SS,Bramley PM,Menzies IS
Antibacterial sensitivity of Bifidobacterium (Lactobacillus bifidus).
Journal of bacteriology , Volume: 93 Issue: 1 1967 Jan
Authors Miller LG,Finegold SM
[Antimicrobial activity of ornidazole and 6 other antibiotics against anaerobic bacteria].
Enfermedades infecciosas y microbiologia clinica , Volume: 9 Issue: 4 1991 Apr
Authors Alados JC,Martínez-Brocal A,Miranda C,Rojo MD,García V,Domínguez MC,de la Rosa M
Fermentation of mucins and plant polysaccharides by anaerobic bacteria from the human colon.
Applied and environmental microbiology , Volume: 34 Issue: 5 1977 Nov
Authors Salyers AA,West SE,Vercellotti JR,Wilkins TD
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
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
Infectious Disease and Antibmicrobial Agents
antimicrobe: Infectious Disease and Antibmicrobial Agents , Volume:
Authors E-Sun Technologies
Curated database of commensal, symbiotic and pathogenic microbiota
Generative Bioinformatics , Volume: Issue: 2014 Jun
Authors D'Adamo Peter
The effect of cocultivation with hydrogen-consuming bacteria on xylanolysis byRuminococcus flavefaciens
Current Microbiology , Volume: 29 Issue: 3 Sep 1994
Authors A. G. Williams
[Research cited on Manufacture Website].
Research cited on Manufacture Website , Volume: 0 Issue: 0 2018 Jan
Authors Miyarisan Labs

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Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Atrial fibrillation
Autism
Autoimmune Disease
Barrett esophagus cancer
benign prostatic hyperplasia

Bipolar Disorder
Brain Trauma
Breast Cancer
Cancer (General)
Carcinoma
cdkl5 deficiency disorder
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
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Coagulation / Micro clot triggering bacteria
Colorectal Cancer
Constipation
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COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Halitosis
Hashimoto's thyroiditis
Heart Failure
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
Histamine Issues
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis

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