

## Microbiome Information for: giant cell arteritis

### For non-prescribing Medical professionals Review

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

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

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

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

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

In the USA

Ombre (<https://www.ombrelab.com/>)

Thome (<https://www.thome.com/products/dp/gut-health-test>)

Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

### Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: [Research@MicrobiomePrescription.com](mailto:Research@MicrobiomePrescription.com)

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of giant cell arteritis

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 |        |      |       | Bacteria Name Rank Shift Taxonomy ID |       |      |        |
|--------------------------------------|--------|------|-------|--------------------------------------|-------|------|--------|
| Clostridiaceae                       | family | High | 31979 | Desulfovibrio                        | genus | Low  | 872    |
| Clostridium                          | genus  | Low  | 1485  | Bacteroidales                        | order | High | 171549 |

## 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.

|                                                                                                       |              |                                                                       |              |
|-------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------|--------------|
| 5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium {Berberine}                   | 1.5 gram/day | <i>Lactobacillus acidophilus</i> { <i>L. acidophilus</i> }            | 20 BCFU/day  |
| (2->1)-beta-D-fructofuranan {Inulin}                                                                  | 32 gram/day  | <i>Lactobacillus plantarum</i> { <i>L. plantarum</i> }                | 60 BCFU/day  |
| (2E,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohex-1-en-1-yl)nona-2,4,6,8-tetraen-1-ol {Vitamin A} | 25000 IU/day | <i>Limosilactobacillus fermentum</i> { <i>L. fermentum</i> }          | 12 BCFU/day  |
| 5,7-Dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one {Apigenin }                                   |              | long-term, moderate-intensity exercise {exercise}                     |              |
| <i>bacillus</i>                                                                                       |              | L-Theanine {Theanine}                                                 |              |
| <i>bacillus licheniformis</i> { <i>b. licheniformis</i> }                                             | 10 BCFU/day  | <i>Malus domestica</i> {apple}                                        |              |
| <i>bacillus,lactobacillus,streptococcus,saccharomyces probiotic</i>                                   |              | Mannan oligosaccharides {Mannooligosaccharide}                        | 8 gram/day   |
| <i>bifidobacterium bifidum</i> { <i>B. bifidum</i> }                                                  | 1 BCFU/day   | <i>Morinda citrifolia</i> {Noni}                                      | 6 gram/day   |
| Diferuloylmethane {Curcumin}                                                                          | 3 gram/day   | polyphenols                                                           | 3 gram/day   |
| Far Infrared Therapy {Far infrared Sauna }                                                            |              | <i>Punica granatum</i> {pomegranate}                                  | 1 gram/day   |
| fruit                                                                                                 |              | <i>Saccharomyces cerevisiae var boulardii</i> { <i>S. boulardii</i> } | 6 BCFU/day   |
| fruit/legume fibre                                                                                    |              | $\beta$ -glucan {Beta-Glucan}                                         | 500 mg/day   |
| fucoidan {Brown Algae Extract}                                                                        | 8.8 gram/day | vitamin d                                                             | 50000 IU/day |
| green tea                                                                                             |              | yogurt                                                                |              |

## Retail Probiotics

Over 260 retail probiotics were evaluated with the following deemed beneficial with no known adverse risks.

Global Healing Center / FloraTrex  
 theramedix / probiotic  
 SuperSmart / Full Spectrum Probiotic Formula  
 vita miracle / ultra-30 probiotics  
 Physician Choice / 60 Billion Probiotics  
 Garden of Life / Dr. Formulated Once Daily Women's  
 hyperbiotics / pro-15  
 nature's way (au) / restore probiotic 100 billion  
 Dr. Mercola / Complete Probiotics  
 solaray / microbiome probiotic colon formula  
 organic 3 / primal gut  
 Physis / Advance Probiotics  
 1 md / complete probiotics platinum  
 OMNI-BIOTIC®/ 10 AAD  
 young living/life 9  
 Wakunaga / Max Probiotic  
 MegaFood / MegaFlora  
 OMNI-BIOTIC®/ TRAVEL  
 Northwest Natural Products / PB8  
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion  
 custom probiotics / six strain probiotic powder  
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu  
 HMF Metabolic  
 blackmores (au) / probiotics+ immune defence  
 Ombre / Healthy Gut  
 quantum wellness / restora flora  
 Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains  
 renew life men's probiotic - ultimate  
 newrhythm / probiotics 20 stains  
 Swiss BioEnergetics / Full Spectrum Probiotic Defence  
 probiotic pur (de) / realdose nutrition  
 Windlove Probiotics / Ecologic®825  
 ASEA VIA / BIOME  
 Wholesome Wellness / Raw Probiotic  
 udo's choice /super 8 gold  
 LiveWell Nutrition / Pro-45  
 Realdose  
 douglas laboratories / multi probiotic 40 billion  
 up4 / adult  
 nature's way (au) /restore probiotic bowel & colon health 30s  
 garden of life / primal defense  
 Advanced Bio-Cultures / Advance Multi Strain Probiotics  
 elixa / probiotic  
 renew life / ultimate flora  
 up4 / ultra  
 bioray / cytoflora  
 bioglan bio (au) / happy probiotic 100  
 Bromatech (IT) / Enterelle  
 Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains  
 ProbioMax® Daily DF  
 visbiome  
 Bromatech (IT) / Acronelle  
 SuperSmart / Lactoxira  
 HMF Intensive

Smidge / Sensitive Probiotic  
Krauterhaus / Lactopro  
Jetson (US) / Immunity Probiotics  
spain (es) / vivomixx  
genestra brands® hm  
zint nutrition / probiotic collagen +  
fürstenmed / lacto-bifido  
naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion  
jarrow formula / jarro-dophilus original  
nature's way (au) / restore probiotic daily health 90s  
Bromatech(IT) / FEMELLE  
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM  
SuperSmart / Candalb  
custom probiotics / four strain lactobacilli  
blackmores (au) / probiotics + adults daily (90 capsules)  
Lake Avenue Nutrition / Probiotics 10 Strain Blend  
ferring / vsl#3  
Resbiotic / resB® Lung Support  
jamieson (can) / probiotic 10 bcfu  
shin biofermin (jp) /s  
Thryve LPCasei Th1, LPCasei Th2, L.Ferm IBF1, L.acidoph  
naturopathica (au) / gastrohealth fibrepro  
Probiotic 10 Billion Active Cells Daily Maintenance  
bravo europe / starter and complex  
jarrow formula / ideal bowel support® lp299v®  
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS  
klaire labs / target gb-x  
7 AM Ultra Probiotics  
Ombre / Endless Energy  
Jetson / FIT  
Seeking Health / Probiota HistaminX  
Nu U (uk) / Bio-Cultures Complex  
jarrow formulas / jarro-dophilus® ultra  
SuperSmart / Probio Forte  
organic 3 / gutpro  
Symprove™  
seed / female version  
speer labs / emuaid first defense  
nature's way (au) / restore probiotic 30 billion 30s  
NaturalPharma / Profit Probiotics  
Ombre / Metabolic Booster  
spain (es) / profaes4 viajeros  
spain (es) / profaes4 edad escolar  
Invivo / Bio.Me Femme UT  
blackmore (au) / probiotics+ bowel support  
Bromatech (IT) / Milonet  
Bromatech / ENTERELLE PLUS  
HMF Forte  
Bromatech (IT) / Adomelle  
nature's bounty / probioti 10  
up4 / women's  
blackmore (au) / probiotics+ daily health  
HMF IBS Relief  
vinco / probiotic eight 65  
gnc / ultra probiotic complex  
NOW FOODS / Clinical GI Probiotic  
natren / healthy trinity probiotic  
lifted naturals / mood boosting probiotic

cytoplan(uk) /dentavital bifidophilus  
bioglan bio (au) / happy probiotic 50  
HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS  
ecology\_allergycare  
seed / male version  
Genesis Bifidobacterium Complex BB Probiotic  
Bulk Probiotics / Saccharomyces boulardii Probiotic Powder (Digestive Support)  
HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL  
powerlabs (au) / ultra blend  
trubiotics / one a day  
Maple Life Science™ / Lactobacillus plantarum  
Purica Probiotic Cardio  
nature's instincts / ultra spore probiotic  
Biorela® Daily  
Bulk Probiotics / L. Acidophilus Probiotic Powder  
spain (es) / lactanza hereditum  
Wakunaga / Pro+ Synbiotic  
Floradapt Cardio  
Eden's / 3-in-1 Synbiotic Superblend  
Bromatech (IT) / Ramnoselle  
Ombre / Harmony  
UltraFlora® Immune Booster  
microbiome labs/ megasporebiotic  
nature's way (au) / restore probiotic choc balls 60s  
Bioflora(MX) / Woman  
fairvital / microflora basic  
Energybalance / ColoBiotica 28 Colon Support  
naturopathica (au) / gastrohealth women's probiotic with cranberry  
custom probiotics / b. lactis & b. bifidum probiotic powder  
BioGaia / Elactia  
SuperSmart / Derma Relief  
SuperSmart / Saccharomyces Boulardii  
Schwabe Pharma Italia / AxiBoulardi  
natren / bifido factor  
anabolic laboratories / probiotic complete  
Pädia GmbH (DE)/Mambiotic Kapseln  
quality health (au) / fridge free\* probiotic 60s  
UltraFlora® Intensive Care  
spain (es) / axiboulardi  
solgar / advanced acidophilus plus  
spain (es) / ultralevura  
Maple Life Science™ / Lactobacillus fermentum  
optibac / for every day max  
goodbelly drink  
Schiff® Digestive Advantage® Advanced Probiotics Multi-Strain Support  
klair labs / ther-biotic factor 4  
Bulk Probiotics / B. Bifidum Probiotic Powder (Anxiety Support)  
bravo europe / freeze-dried bravo  
Wakunaga / Daily Probiotic  
wakamoto (jp) / wakamoto pharmaceutical intestinal drug  
custom probiotics / five strain bifidobacteria  
Wakunaga / 50+  
CVSHealth / Daily Probiotic  
Bromatech (IT) / Citogenex  
FloraVantage® Balance  
ImmuneBiotech Medical Sweden AB / GutMagnific®  
organic 3 / yeastbiotic  
biospec / probiotic-5

just for tummies / live bacteria  
 CustomProbiotics.com / L. Plantarum Probiotic Powder  
 Metabolics / Bifidobacterium Bifidum Powder  
 Nature's Bounty / Acidophilus Probiotic  
 Schwabe Pharma Italia / EnteroDophilus  
 Materna® Opti-Lac® Breast Feeding Support  
 jarro formulas / jarro-dophilus eps  
 optibac / saccharomyces boulardii  
 Bromatech (IT) / Bifiselle  
 bioglan (au) / healthy kids probiotic choc balls 50s  
 Thryve Inside/ L.Reu,Rham,Casi; B.Lactis  
 UltraFlora® Restore  
 philips / colon health  
 Sash Vitality /Bio-Cultures Probiotics for Adults  
 blackmore (au) / probiotics+ eczema relief  
 imaglin / NutriLots Replenish  
 Metabolics / Lactobacillus Acidophilus  
 SuperSmart / Vaginal Health  
 Bromatech (IT) / Lautoselle  
 bioglan bio (au/ happy probiotic 25  
 Wakunaga / Kyo-Dophilus® Multi 9 Probiotic  
 Good Start® by Gerber® Breastfeeding Comfort Plus Probiotics  
 optibac / for those on antibiotics  
 natren / megadophilus  
 VSL Pharmaceuticals / Oxadrop  
 Bromatech (IT) / Rotanelle plus  
 Immune Defense Daily Chewable Probiotic  
 Bromatech (IT) / Aflugenex  
 Bulk Probiotics / L. Fermentum Probiotic Powder  
 PharmExtracta (IT) / FG5 Forte In Sachets  
 bio-k+  
 Bromatech (IT) / Pilorex  
 microbiome labs / restorflora  
 Maple Life Science™ / Bifidobacterium Bifidum  
 Metabolics / Lactobacillus Plantarum Powder  
 Nature's Lab Cardio  
 Nature's Lab Intensive GI  
 naturopathica (au) / gastrohealth probiotic adults 50+  
 Ombre / Mood Enhancer  
 florastor / florastor  
 UltraFlora® Balance  
 Bromatech (IT) / Psicobrain  
 Bulk Probiotics / L. Plantarum Probiotic Powder  
 spain (es) / I3.1  
 SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)  
 Floradapt Gut Comfort  
 HLH BIOPHARMA(DE) / LACTOBACT ® AAD  
 customprobiotics.com / B. Bifidum Probiotic Powder  
 CustomProbiotics.com / L. Acidophilus Probiotic Powder  
 Purica Probiotic Intensive GI  
 quality health(au)/ fridge free probiotic 25b  
 optibac / for your cholesterol  
 bayer / trubiotics daily probiotic  
 Ombre / Ultimate Immunity  
 Seeking Health / Probiota Bifidobacterium  
 reg'activ / immune & vitality

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

## Substance to Consider Reducing or Eliminating

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

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

2-Amino-4-(methylthio)butanoic acid {Methionine}  
2-Amino-5-(carbamoylamino)pentanoic acid {Citrulline}  
5-Hydroxytryptophan {5-HTP}  
α-Amino-3-indolepropionic acid {Tryptophan}  
Below normal temperature {Cold exposure}  
bifidobacterium pseudocatenulatum {B. pseudocatenulatum}  
d-galactose {milk sugar}  
Dihydroquercetin {Taxifolin}  
Ethyl alcohol {Grain alcohol}  
Euphausia superba {Krill Oil}  
fructo-oligosaccharides  
gynostemma pentaphyllum {Jiaogulan}  
Hericium erinaceus {Lion's Mane Mushroom}  
Hordeum vulgare {Barley}

Humulus lupulus compound {Xanthohumol}  
lactobacillus rhamnosus gg  
Linum usitatissimum {Flaxseed}  
Litchi chinensis {lychee fruit}  
nicotinic acid {Vitamin B-3}  
Panax ... {Ginseng}  
pectin {pectin}  
Phyllanthus emblica {Chinese gall}  
steviol glycosides {Stevia}  
Sucralose {Splenda}  
Tobacco consumption {Smoking}  
Ulmus rubra {slippery elm}  
Under cooked animal protein {Rare meat}  
walnuts  
xylooligosaccharide

## Sample of Literature Used

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

### Gut microbiota as predictors of the occurrence of high on-treatment platelet reactivity in acute ischemic stroke patients.

**Frontiers in cellular and infection microbiology** , Volume: 13 2023

Authors Lou Z,Ouyang H,Chen G,Li X,Chen H,Zhan Y,Peng L,Du C,Zheng Z,Wen L,Xu H,Zhao M,Zhao Y

Supplemental Probiotics, Postbiotics, and Their Combination on the Growth, Slaughter Variables, Organ Development, Intestinal Morphology, and Cecal Microbiota of Broilers.

**Probiotics and antimicrobial proteins** , 2025 Apr 9

Authors Zhu X,Zhang X,Zhang Y,Li F

Alleviation effects of Lactobacillus plantarum in colitis aggravated by a high-salt diet depend on intestinal barrier protection, NF- $\kappa$ B pathway regulation, and oxidative stress improvement.

**Food & function** , 2025 Mar 20

Authors Chen Y,Liu N,Chen F,Liu M,Mu Y,Wang C,Xia L,Peng M,Zhou M

Synergistic defecation effects of Bifidobacterium animalis subsp. lactis BL-99 and fructooligosaccharide by modulating gut microbiota.

**Frontiers in immunology** , Volume: 15 2024

Authors Zhang Q,Zhao W,Luo J,Shi S,Niu X,He J,Wang Y,Zeng Z,Jiang Q,Fang B,Chen J,Li Y,Wang F,He J,Guo J,Zhang M,Zhang L,Ge S,Hung WL,Wang R

Inulin alleviates chronic ketamine-induced impairments in memory and prepulse inhibition by regulating the gut microbiota, inflammation, and kynurenine pathway.

**International journal of biological macromolecules** , Volume: 294 2025 Mar

Authors Xu Z,Lu H,Hu C,Wen Y,Shang D,Gan T,Guo Z,Dai L,Luo Y

Supplementation with inulin reverses cognitive flexibility alterations and modulates the gut microbiota in high-fat-fed mice.

**Frontiers in behavioral neuroscience** , Volume: 18 2024

Authors González-Velázquez G,Agüirre-Garrido JF,Oros-Pantoja R,Salinas-Velarde ID,Contreras I,Estrada JA,Soto-Piña AE

Gynostemma pentaphyllum saponins shield mice from peanut allergy by modulation of gut microbiota: A novel approach for peanut allergy management.

**Phytomedicine : international journal of phytotherapy and phytopharmacology** , Volume: 135 2024 Sep 30

Authors Li X,Khan I,Han R,Huang G,Xia W,Yin L,Leong WK,Su L,Law BY,Wong VKW,Wu Q,Guo X,Hsiao WLW

Microbiota-Focused Dietary Approaches to Support Health: A Systematic Review.

**The Journal of nutrition** , Volume: 155 Issue: 2 2025 Feb

Authors Hindle VK,Veasley NM,Holscher HD

Human milk oligosaccharides and milk fat globule membrane reduce allergic reactions in mice through the modulation of gut microbiota and metabolic functions.

**Food & function** , Volume: 15 Issue: 22 2024 Nov 11

Authors Chen X,Yang S,Guo Z,Li B,Wang Z,Jiang L

Effect of Endurance Exercise Training on Gut Microbiota and ER Stress.

**International journal of molecular sciences** , Volume: 25 Issue: 19 2024 Oct 5

Authors Yoon EJ,Lee SR,Ortutu BF,Kim JO,Jaiswal V,Baek S,Yoon SI,Lee SK,Yoon JH,Lee HJ,Cho JA

Berberine alleviates ETEC-induced intestinal inflammation and oxidative stress damage by optimizing intestinal microbial composition in a weaned piglet model.

**Frontiers in immunology** , Volume: 15 2024

Authors Wang Y,Zhang Z,Du M,ji X,Liu X,Zhao C,Pang X,Jin E,Wen A,Li S,Zhang F

Lactobacillus plantarum alleviates high-fat diet-induced obesity by altering the structure of mice intestinal microbial communities and serum metabolic profiles.

**Frontiers in microbiology** , Volume: 15 2024

Authors Zhu J,Liu X,Liu N,Zhao R,Wang S

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

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

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

Yeast mixture supplementation modulates faecal microbiota and ileum morphology of weaning pigs.

**Animal : an international journal of animal bioscience** , Volume: 18 Issue: 9 2024 Sep

Authors Sandrini S,Perricone V,Cremonesi P,Castiglioni B,Biscarini F,Verdile N,Brevini T,Comi M,Jiang X,Agazzi A

Dietary Polycan, a  $\beta$ -glucan originating from Aureobasidium pullulansSM-2001, attenuates high-fat-diet-induced intestinal barrier damage in obese mice by modulating gut microbiota dysbiosis.

**Food science & nutrition** , Volume: 12 Issue: 8 2024 Aug

Authors Ko GP,Unno T,Kim YS,Kim J

Lactocaseibacillus rhamnosus GG alleviates sleep deprivation-induced intestinal barrier dysfunction and neuroinflammation in mice.

**Food & function** , 2024 Aug 5

Authors Pang X,Zhou B,Wu J,Mo Q,Yang L,Liu T,Jin G,Zhang L,Liu X,Xu X,Wang B,Cao H

Effects of combined treatment with hydrogen-rich electrolyzed water and tea polyphenols on oxidative stress, intestinal injury and intestinal flora disruption in heat-stressed mice.

**Journal of thermal biology** , Volume: 123 2024 Jul

Authors Zang Y,Zhang B,Zhang G,Hu J,Shu D,Han J,Hu M,Tu M,Qiao W,Liu R,Zang Y

Sucralose Influences the Productive Performance, Carcass Traits, Blood Components, and Gut Microflora Using 16S rRNA Sequencing of Growing APRI-Line Rabbits.

**Animals : an open access journal from MDPI** , Volume: 14 Issue: 13 2024 Jun 29

Authors El-Tahan HM,Elmasry ME,Madian HA,Alhimaidi AR,Kim IH,Park JH,El-Tahan HM

Procyanidin B1 and Coumaric Acid from Highland Barley Alleviated High-Fat-Diet-Induced Hyperlipidemia by Regulating PPARα-Mediated Hepatic Lipid Metabolism and Gut Microbiota in Diabetic C57BL/6J Mice.

**Foods (Basel, Switzerland)** , Volume: 13 Issue: 12 2024 Jun 12

Authors Liu Z,Liu J,Tang R,Zhang Z,Tian S

A Gestational Pectin Diet Could Improve the Health of Multiparous Sows by Modulating the Gut Microbiota and Cytokine Level during Late Pregnancy.

**Animals : an open access journal from MDPI** , Volume: 14 Issue: 11 2024 May 24

Authors Zheng J,Li S,He J,Liu H,Huang Y,Jiang X,Zhao X,Li J,Feng B,Che L,Fang Z,Xu S,Lin Y,Hua L,Zhuo Y,Wu D

Amelioration of walnut, peony seed and camellia seed oils against D-galactose-induced cognitive impairment in mice by regulating gut microbiota.

**Food & function** , Volume: 15 Issue: 13 2024 Jul 1

Authors Kang T,Zheng J,Jiang C,Jin L,Li C,Chen B,Shen Y

Lactiplantibacillus plantarum JS19-adjunctly fermented goat milk alleviates D-galactose-induced aging by modulating oxidative stress and intestinal microbiota in mice.

**Journal of dairy science** , 2024 May 31

Authors He C,Mao Y,Wei L,Zhao A,Chen L,Zhang F,Cui X,Pan MH,Wang B

Impact of whole grain highland hull-less barley on the denaturing gradient gel electrophoresis profiles of gut microbial communities in rats fed high-fat diets.

**Microbiology spectrum** , Volume: 12 Issue: 6 2024 Jun 4

Authors Xia X,Lu J,Chen X,Zhou L,Huang Y,Ding S,Li G

Effects of garlic-derived fructan and oligofructose mixtures on intestinal health and constipation relief in mice.

**Journal of the science of food and agriculture** , Volume: 104 Issue: 12 2024 Sep

Authors Xie C,Gao W,Liang X,Chye FY

Antiaging Effects of Human Fecal Transplants with Different Combinations of Bifidobacterium bifidum LTBB21J1 and Lactobacillus casei LTL1361 in d-Galactose-Induced Mice.

**Journal of agricultural and food chemistry** , Volume: 72 Issue: 17 2024 May 1

Authors Zhou F,Zhang Q,Zheng X,Shi F,Ma K,ji F,Meng N,Li R,Lv J,Li Q

The gut microbiota facilitate their host tolerance to extreme temperatures.

**BMC microbiology** , Volume: 24 Issue: 1 2024 Apr 20

Authors Wang Z,Wu Y,Li X,ji X,Liu W

Tea Polyphenol Epigallocatechin Gallate Protects Against Nonalcoholic Fatty Liver Disease and Associated Endotoxemia in Rats via Modulating Gut Microbiota Dysbiosis and Alleviating Intestinal Barrier Dysfunction and Related Inflammation.

**Journal of agricultural and food chemistry** , 2024 Apr 12

Authors Zuo G,Chen M,Zuo Y,Liu F,Yang Y,Li J,Zhou X,Li M,Huang JA,Liu Z,Lin Y

Polysaccharides from an edible mushroom, Hericium erinaceus, alleviate ulcerative colitis in mice by inhibiting the NLRP3 inflammasomes and reestablish intestinal homeostasis.

**International journal of biological macromolecules** , Volume: 267 Issue: Pt 1 2024 May

Authors Li H,Feng J,Liu C,Hou S,Meng J,Liu JY,Zilong S,Chang MC

Gut Microbiota and Inflammation Modulation in a Rat Model for Ulcerative Colitis after the Intraperitoneal Administration of Apigenin, Luteolin, and Xanthohumol.

**International journal of molecular sciences** , Volume: 25 Issue: 6 2024 Mar 12

Authors Magadán-Corpas P,Pérez-Valero Á,Ye S,Sordon S,Huszczka E,Poplonski J,Villar CJ,Lombó F

Far-Infrared Therapy Based on Graphene Ameliorates High-Fat Diet-Induced Anxiety-Like Behavior in Obese Mice via Alleviating Intestinal Barrier Damage and Neuroinflammation.

**Neurochemical research** , Volume: 49 Issue: 7 2024 Jul

Authors Zhang JS,Li S,Cheng X,Tan XC,Huang YL,Dong HJ,Xue R,Zhang Y,Li JC,Feng XX,Deng Y,Zhang YZ

Metagenomic sequencing identified microbial species in the rumen and cecum microbiome responsible for niacin treatment and related to intramuscular fat content in finishing cattle.

**Frontiers in microbiology** , Volume: 15 2024

Authors Yang Z,Chen X,Yu M,Jing R,Bao L,Zhao X,Pan K,Chao B,Qu M

Anti-inflammatory probiotics HF05 and HF06 synergistically alleviate ulcerative colitis and secondary liver injury.

**Food & function** , Volume: 15 Issue: 7 2024 Apr 2

Authors Liu C,Qi X,Liu X,Sun Y,Mao K,Shen G,Ma Y,Li Q

Dietary L-Methionine modulates the gut microbiota and improves the expression of tight junctions in an in vitro model of the chicken gastrointestinal tract.

**Animal microbiome** , Volume: 6 Issue: 1 2024 Mar 19

Authors Kwak MJ,Kang A,Eor J,Ryu S,Choi Y,Heo JM,Song M,Kim JN,Kim HJ,Kim Y

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

**NPJ biofilms and microbiomes** , Volume: 10 Issue: 1 2024 Mar 6

Authors Lessard-Lord J,Roussel C,Lupien-Meilleur J,Généreux P,Richard V,Guay V,Roy D,Desjardins Y

Curcumin protects mice with myasthenia gravis by regulating the gut microbiota, short-chain fatty acids, and the Th17/Treg balance.

**Heliyon** , Volume: 10 Issue: 4 2024 Feb 29

Authors Sun J,Xie Q,Sun M,Zhang W,Wang H,Liu N,Wang M

The protective effect of L-theanine on the intestinal barrier in heat-stressed organisms.

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## Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma  
cdkl5 deficiency disorder  
Celiac Disease  
Cerebral Palsy  
Chronic Fatigue Syndrome  
Chronic Kidney Disease  
Chronic Lyme  
Chronic Obstructive Pulmonary Disease (COPD)  
Chronic Urticaria (Hives)  
Coagulation / Micro clot triggering bacteria  
Cognitive Function  
Colorectal Cancer  
Constipation  
Coronary artery disease  
COVID-19  
Crohn's Disease  
Cushing's Syndrome (hypercortisolism)  
cystic fibrosis  
d-lactic acidosis (one form of brain fog)  
deep vein thrombosis  
Denture Wearers Oral Shifts  
Depression  
Dermatomyositis  
Eczema  
Endometriosis  
Eosinophilic Esophagitis  
Epilepsy  
erectile dysfunction  
Fibromyalgia  
Food Allergy  
Functional constipation / chronic idiopathic constipation  
gallstone disease (gsd)  
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus  
Generalized anxiety disorder  
giant cell arteritis  
Glioblastoma  
Gout  
Graves' disease  
Gulf War Syndrome  
Halitosis  
Hashimoto's thyroiditis  
Heart Failure  
hemorrhagic stroke  
Hemorrhoidal disease, Hemorrhoids, Piles  
Hidradenitis Suppurativa  
High Histamine/low DAO  
hypercholesterolemia (High Cholesterol)  
hyperglycemia  
Hyperlipidemia (High Blood Fats)  
hypersomnia  
hypertension (High Blood Pressure)  
Hypothyroidism  
Hypoxia  
IgA nephropathy (IgAN)  
Inflammatory Bowel Disease  
Insomnia  
Intelligence  
Intracranial aneurysms

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