Kyoto Encyclopedia of Genes and Genomes derived Suggestions

Review Overview

These suggestions 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 almost 2 million facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine. Note: That many of the bacteria species used are *NOT* reported on many tests.

These are suggestions that are predicted to independently Decreasing Methane | CH4 CH4 by impacting the bacteria listed on KEGG: Kyoto Encyclopedia of Genes and Genomes. 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

This is an experimental feature – manual validations is recommended. For background, see this post

There is a separate report for probiotics. That report use the enzymes in probiotic species.

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

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Our Facebook Discussion Page

Bacteria being targeted by suggestions.

These bacteria levels were deemed atypical

Bacteria Name	Rank	Shift	Taxonomy ID
Methylococcus capsulatus	species		414
Methylomonas methanica	species		421
Methylosinus trichosporium	species		426
Methylotuvimicrobium buryatense	species		95641
Methylomonas sp. LW13	species		107637
Methylocystis heyeri	species		391905
Methylocystis bryophila	species		655015
Methylocaldum marinum	species		1432792
Methylomagnum ishizawai	species		1760988
Candidatus Methylospira mobilis	species		1808979
Methylocystis parvus	species		134
Nitrosomonas europaea	species		915
Nitrosomonas eutropha	species		916
Nitrosococcus oceani	species		1229
Nitrosospira multiformis	species		1231
Mycolicibacterium chubuense	species		1800
Mycolicibacterium rhodesiae	species		36814
Nitrosomonas communis	species		44574
Nitrosomonas ureae	species		44577
Hydrogenophaga pseudoflava	species		47421
Nitrosococcus halophilus	species		133539
Mycolicibacterium holsaticum	species		152142
Nitrosomonas sp. AL212	species		153948
Methylocystis rosea	species		173366
Methylocystis sp. SC2	species		187303
Methylocella silvestris	species		199596
Methylocella tundrae	species		227605
Nitrosomonas sp. Is79A3	species		261292
Methylotuvimicrobium alcaliphilum	species		271065
Methylacidiphilum kamchatkense	species		431057
Nitrosococcus watsonii	species		473531
Mycobacterium dioxanotrophicus	species		482462
Candidatus Methylacidiphilum infernorum	species		511746
Candidatus Nitrosacidococcus tergens	species		553981
Candidatus Methylomirabilis oxyfera	species		671143
Methylomonas koyamae	species		702114
Methylomonas paludis	species		1173101
Nitrosospira lacus	species		1288494
Methylogaea oryzae	species		1295382
Nitrosomonas stercoris	species		1444684
Methylomonas denitrificans	species		1538553
Candidatus Nitrosoglobus terrae	species		1630141
Methylovulum psychrotolerans	species		1704499
Candidatus Nitrospira inopinata	species		1715989
Methylomonas sp. DH-1	species		1727196
Nitrosococcus wardiae	species		1814290
Azoarcus sp. DD4	species		2027405
Nocardia tengchongensis	species		2055889
Burkholderia sp. JP2-270	species		2217913
Burkholderia thailandensis	species		57975
Pseudomonas fluorescens	species		294
Ralstonia pickettii	species		329
Stutzerimonas stutzeri	species		316
Shigella boydii	species		621
Desulfovibrio desulfuricans	species		876
Clostridium pasteurianum	species		1501
Marinobacter nauticus	species		2743
Rhodococcus opacus	species		37919
Pandoraea pnomenusa	species		93220
Variovorax paradoxus	species		34073

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.

The recommended process to obtain a *persistent shift* of the microbiome is:
- **Generate 4 lists from the suggestions with nothing repeated on another list**
- **Emphasize one list each week**
- **After 8 weeks (2 cycles), retest the microbiome to obtains the next set of *course corrections***

This approach allows the microbiome to stablize towards normal.

Pick only as many suggestions that suits you; there is no need to do all of them. Suggestions are based on your specific bacteria and not marketing concepts such as 'healthy choices'.

cinnamon (oil. spice) 6 gram/day
coriander oil
Curcumin 3 gram/day
foeniculum vulgare,fennel
ginger
lactobacillus casei (probiotics) 48 BCFU/day
lactobacillus plantarum (probiotics) 60 BCFU/day
nigella sativa seed (black cumin) 1000 mg/day
oregano (origanum vulgare, oil) |
rosmarinus officinalis,rosemary
schinus molle (herb)
syzygium aromaticum (clove)
thyme (thymol, thyme oil)
trachyspermum ammi, Ajwain
triphala 9000 mg/day

Retail Probiotics

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

- theramedix / probiotic
- newrhythm / probiotics 20 stains
- Lake Avenue Nutrition / Probiotics 10 Strain Blend
- Winclove Probiotics / Ecologic®825
- ASEA VIA / BIOME
- HLH BIOPHARMA(DE) / LACTOBACT ® METABOLIC
- jarrow formula / jarro-dophilus original
- HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
- fürstenmed / lacto-bifido
- udo's choice /super 8 gold
- Krauterhaus / Lactopro
- Advanced Bio-Cultures / Advance Multi Strain Probiotics
- elixa / probiotic
- bioray / cytoflora
- Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
- bioglan bio (au) / happy probiotic 100
- Global Healing Center / FloraTrex
- SuperSmart / Lactoxira
- douglas laboratories / multi probiotic 40 billion
- renew life / ultimate flora
- up4 / ultra
- visbiome
- garden of life / primal defense
- renew life men's probiotic - ultimate
- SuperSmart / Full Spectrum Probiotic Formula
- 7 AM Ultra Probiotics
- quantum wellness / restora flora
- vita miracle / ultra-30 probiotics
- jarrow formula / ideal bowel support® lp299v®
- HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
- Northwest Natural Products / PB8
- jarrow formulas / jarro-dophilus eps
- SuperSmart / Probio Forte
- seed / female version
- jarrow formulas / jarro-dophilus® ultra
- Physician Choice /60 Billion Probiotics
- 1 md / complete probiotics platinum
- nature's bounty / probioti 10
- SuperSmart / Derma Relief
- fairvital / microflora basic
- MegaFood / MegaFlora
- Invivo / Bio.Me Femme UT
- OMNi-BiOTiC®/ TRAVEL
- organic 3 / primal gut
- Physis / Advance Probiotics
- Dr. Mercola / Complete Probiotics
- Garden of Life / Dr. Formulated Once Daily Women's
- vinco / probiotic eight 65
- hyperbiotics / pro-15
- nature's way (au) / restore probiotic 100 billion
- bioglan bio (au) / happy probiotic 50
- HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL
- Immune Defense Daily Chewable Probiotic
- seed / male version

solaray / mycrobiome probiotic colon formula
Maple Life Science™ / Lactobacillus plantarum
lifted naturals / mood boosting probiotic
NOW FOODS / Clinical GI Probiotic
Purica Probiotic Cardio
ecology_allergycare
Floradapt Cardio
HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS
PharmExtracta (IT) / INatal Sachets
NaturalPharma / Profit Probiotics
Bio Schwartz / Advance Strength Probiotics (40 BCFU)
UltraFlora® Intensive Care
Wakunaga / Max Probiotic
UltraFlora® Immune Booster
OMNi-BiOTiC®/ 10 AAD
up4 /women's
young living/life 9
Bromatech (IT) / Adomelle
goodbelly drink
Ombre / Heart Health
Symprove™
custom probiotics / six strain probiotic powder
Bromatech (IT) / Citogenex
ImmuneBiotech Medical Sweden AB / GutMagnific®
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
biospec / probiotic-5
HMF Metabolic
CustomProbiotics.com / L. Plantarum Probiotic Powder
Ombre / Healthy Gut
just for tummies / live bacteria
organic 3 / gutpro
Sash Vitality /Bio-Cultures Probiotics for Adults
SuperSmart / Vaginal Health
naturopathica (au) / gastrohealth probiotic dairy free 50 billion
Probiotic 10 Billion Active Cells Daily Maintenance
Seeking Health / Probiota HistaminX
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
klaire labs / target gb-x
ferring / vsl#3
Resbiotic /resB® Lung Support
spain (es) / l3.1
optibac / for your cholesterol
Ombre / Mood Enhancer
up4 / adult
nature's way (au) /restore probiotic bowel & colon health 30s
Realdose
Nature's Lab Intensive GI
ProbioMax® Daily DF
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturerized)
Floradapt Gut Comfort
Purica Probiotic Intensive GI
Ombre / Ultimate Immunity
LiveWell Nutrition / Pro-45
Metabolics / Lactobacillus Plantarum Powder
Nature's Lab Cardio
Jetson (US) / Immunity Probiotics
spain (es) / vivomixx
zint nutrition / probiotic collagen +

Smidge /Sensitive Probiotic
probiotic pur (de) / realdose nutrition
SuperSmart / Candalb
custom probiotics / four strain lactobacilli
naturopathica (au) /gastrohealth probiotic ultimate daily care 100billion
CustomProbiotics.com / L. Casei Probiotic Powder
Bromatech(IT) / FEMELLE
Wholesome Wellness / Raw Probiotic
bio-k+

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

Substance to Consider Reducing or Eliminating

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

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

aspartame (sweetner)

iron
Slippery Elm

Sample of Literature Used

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