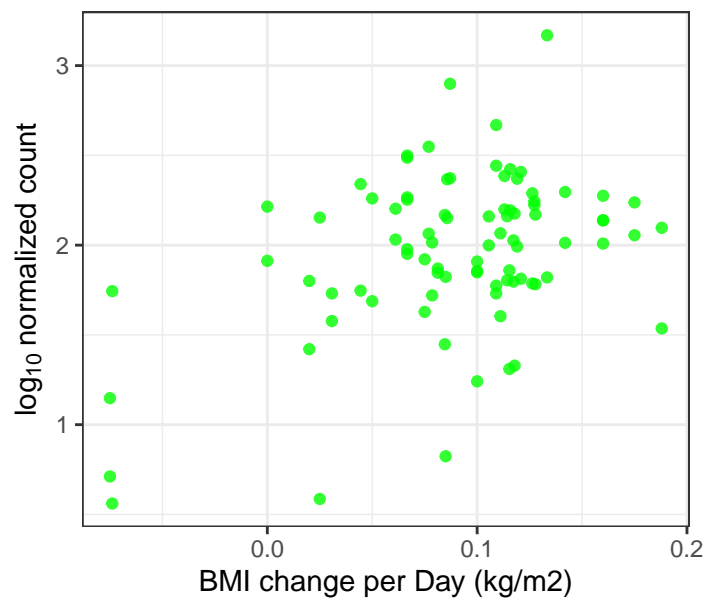


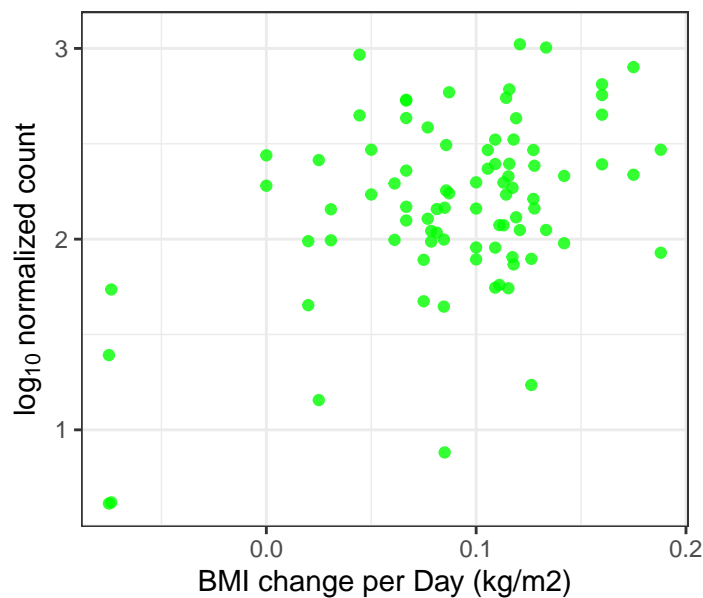
Acidobacterium

p = 0.00348



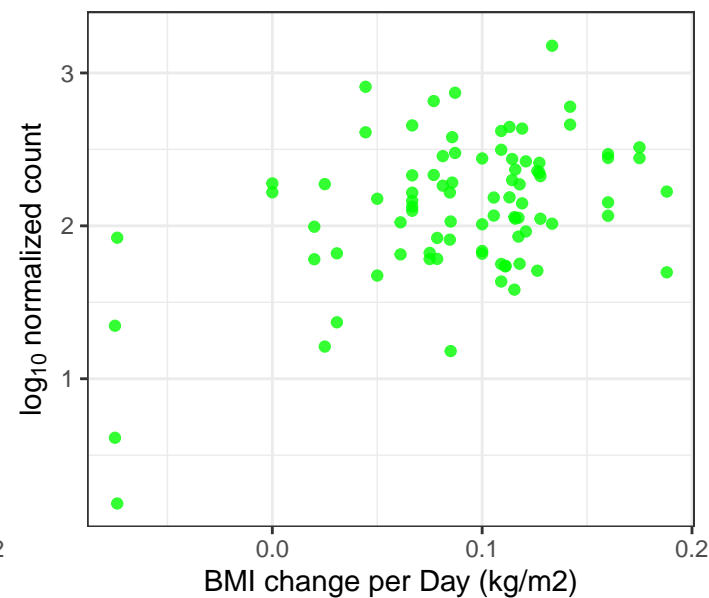
Azospira

p = 0.00348



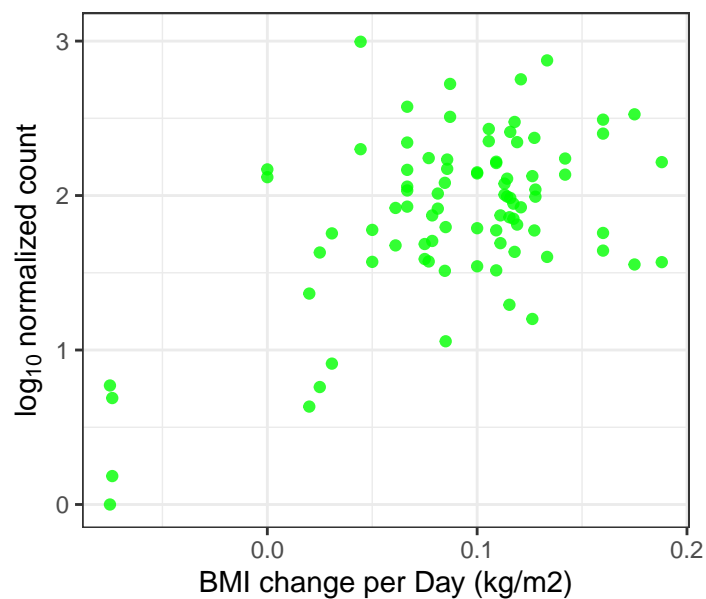
Ketogulonicigenium

p = 0.00348



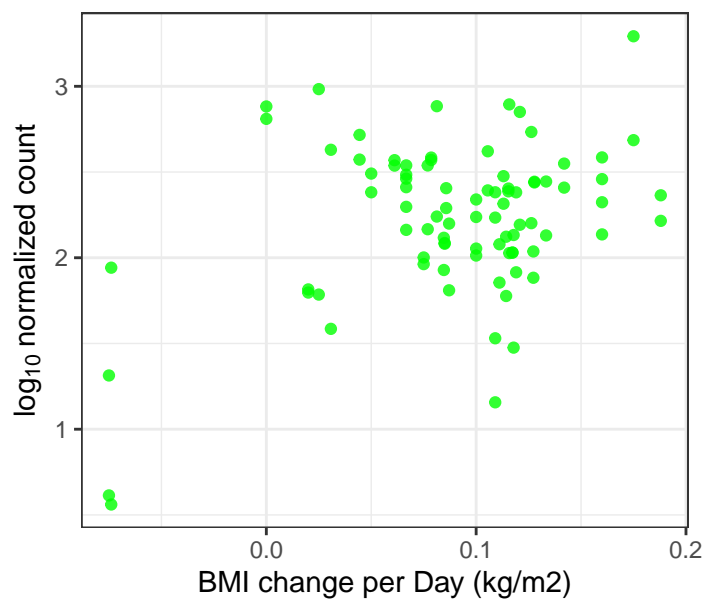
Paucibacter

p = 0.00348



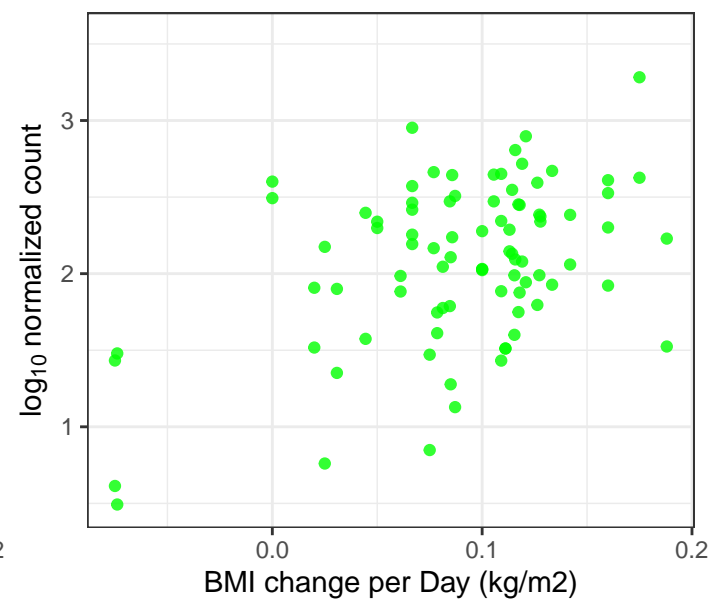
Pusillimonas

p = 0.00348



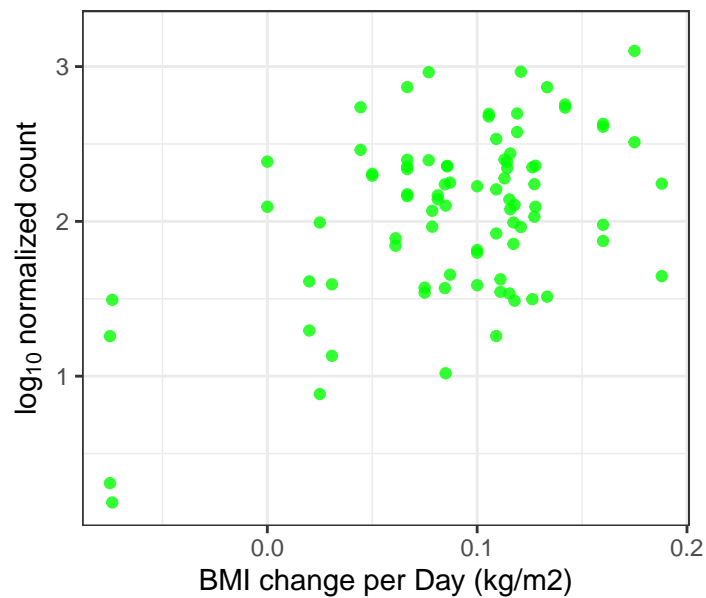
Streptacidiphilus

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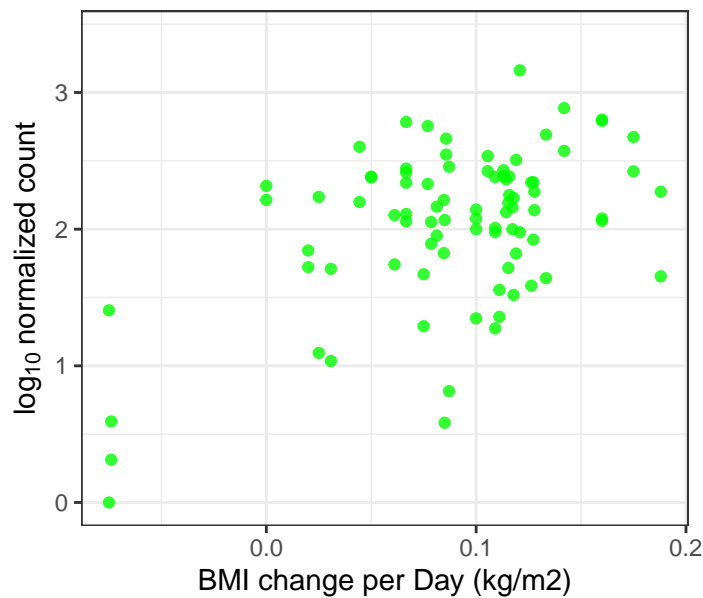
Thermomonospora

p = 0.00348



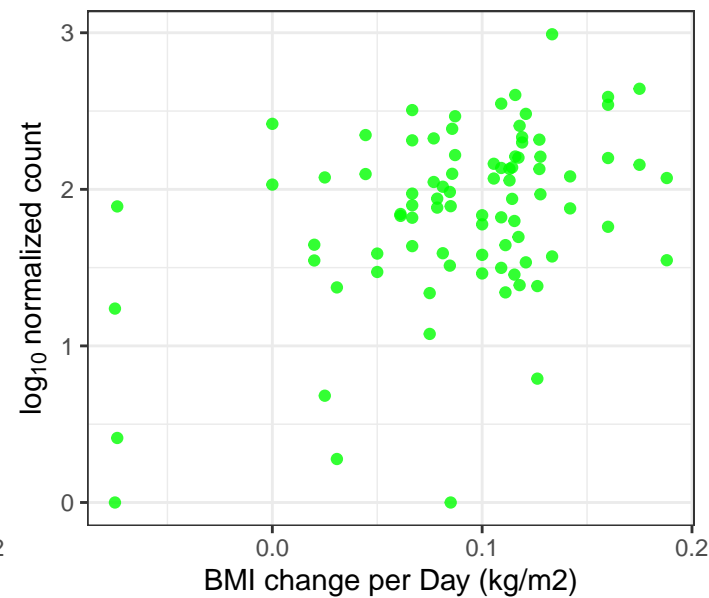
Rubrivivax

p = 0.00366



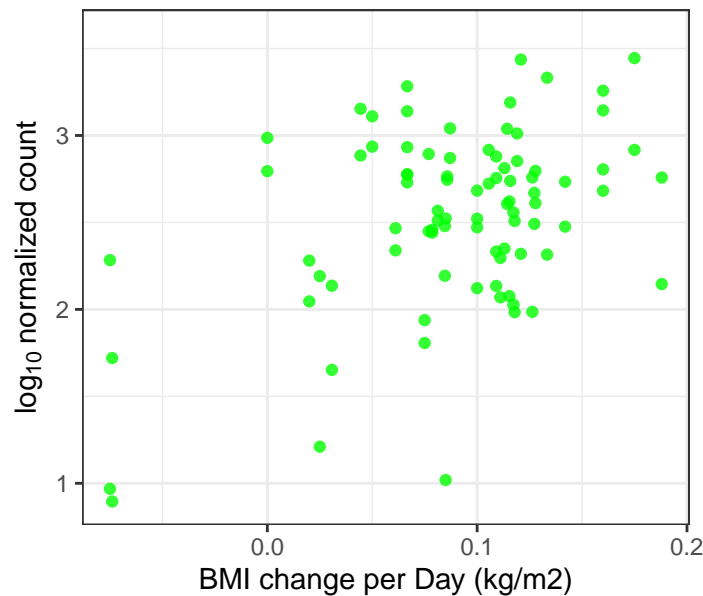
Leptothrix

p = 0.00471



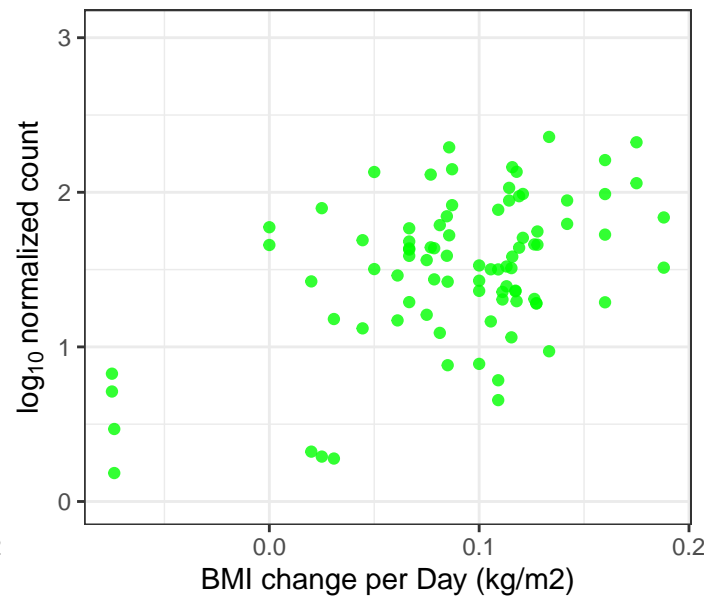
Nocardiopsis

p = 0.00471



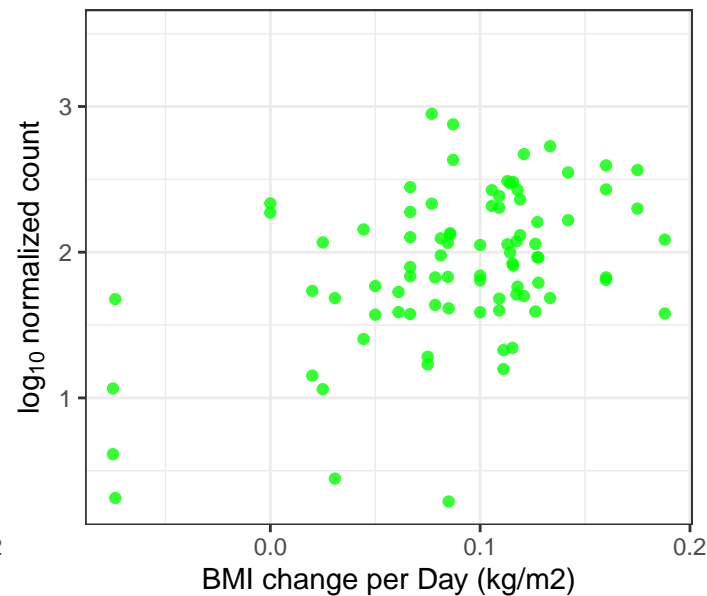
Unclassified Chromatiales Order

p = 0.00471



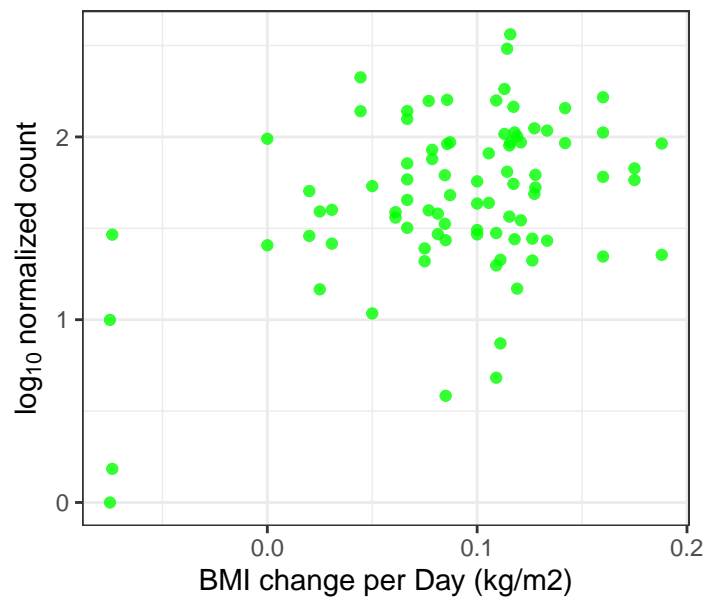
Melaminivora

p = 0.00523



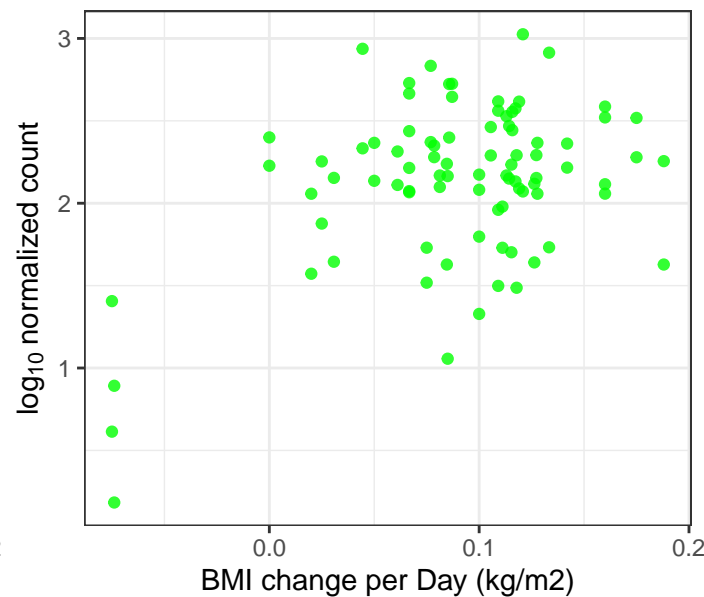
Tuwongella

p = 0.00524



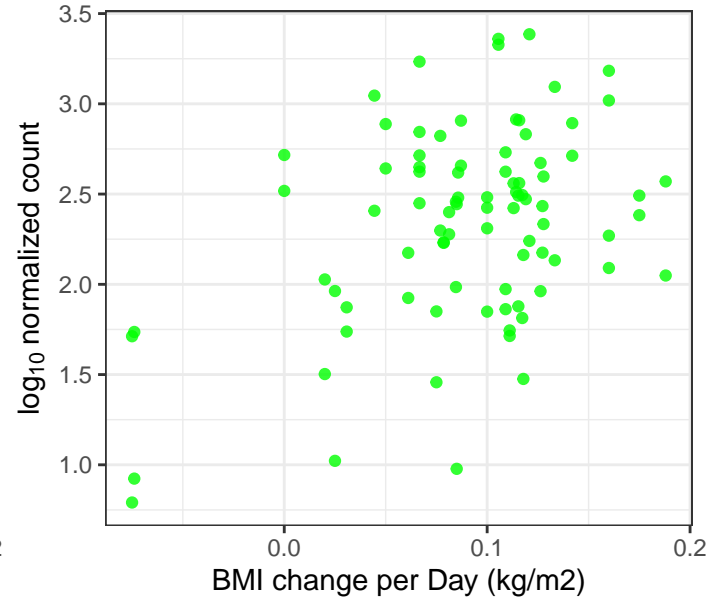
Unclassified Caulobacteraceae Family

p = 0.00524



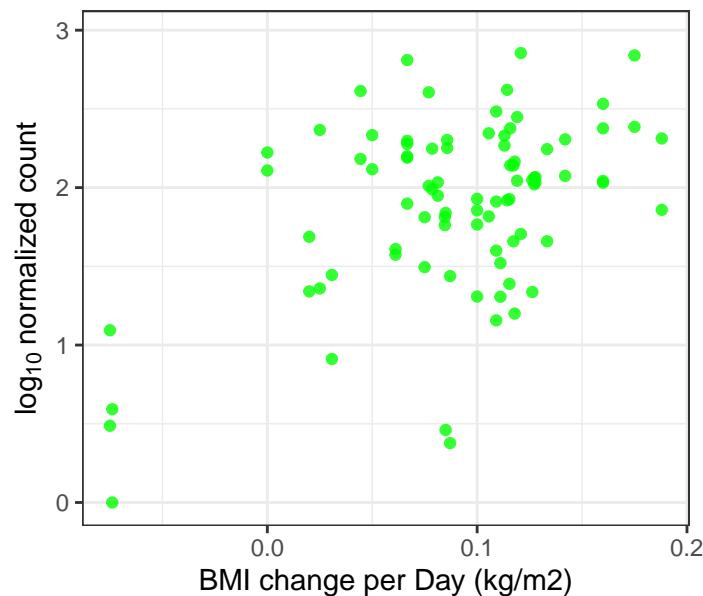
Actinosynnema

p = 0.00544



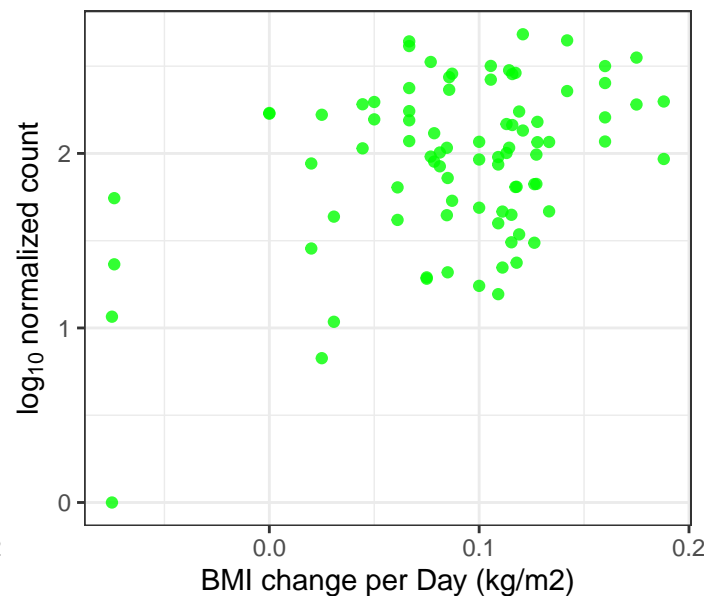
Alkalilimnicola

p = 0.00544



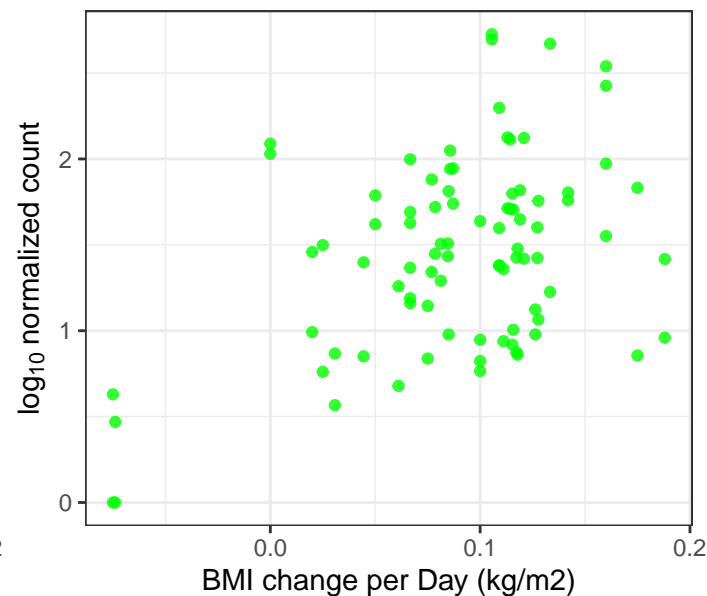
Azorhizobium

p = 0.00544



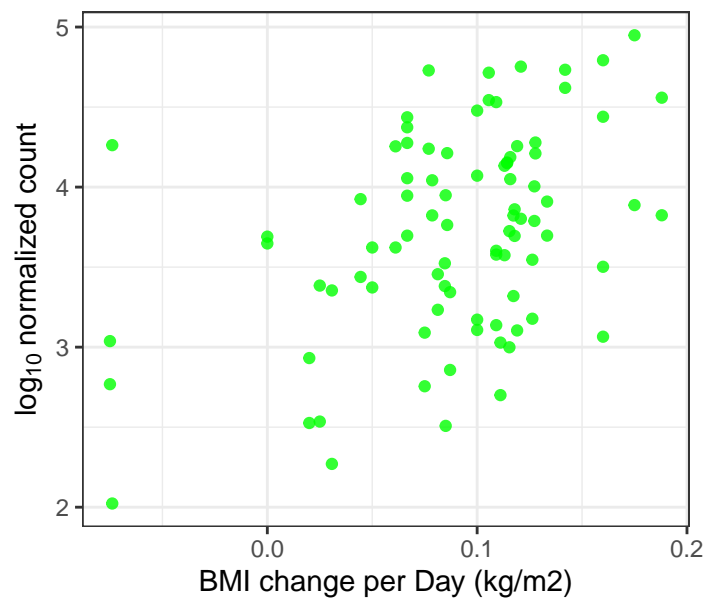
Halostella

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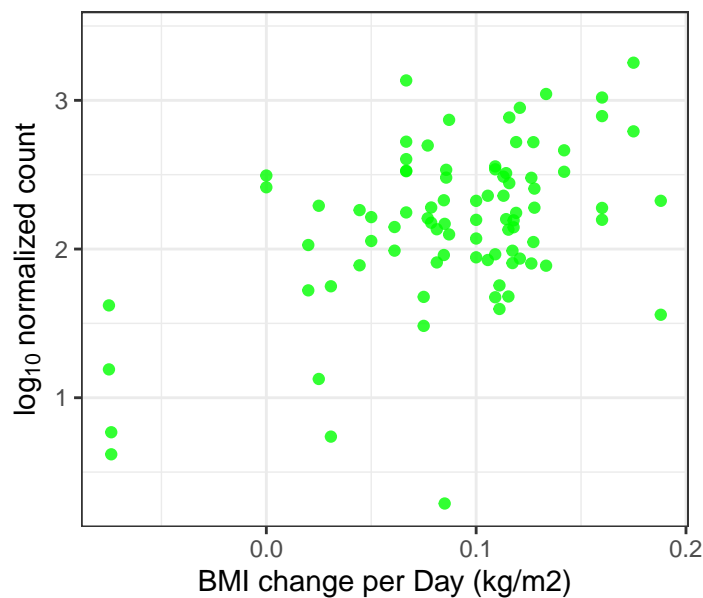
Intestinimonas

p = 0.00544



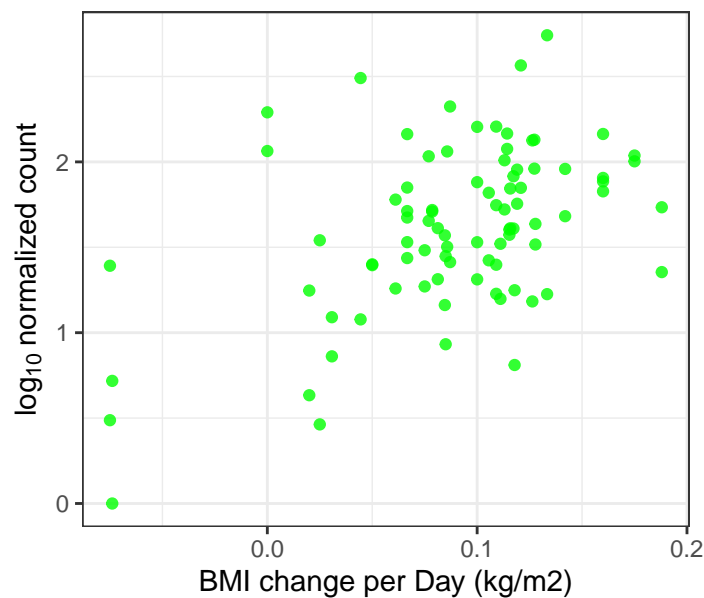
Kutzneria

p = 0.00544



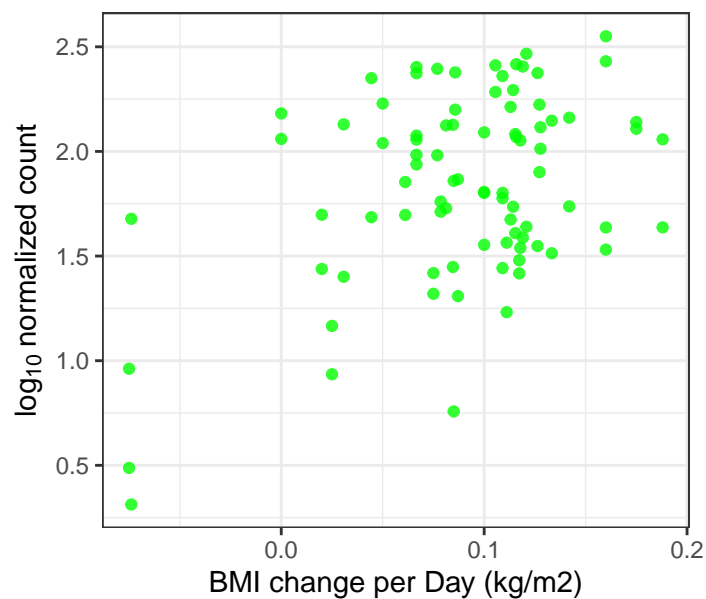
Maricaulis

p = 0.00544



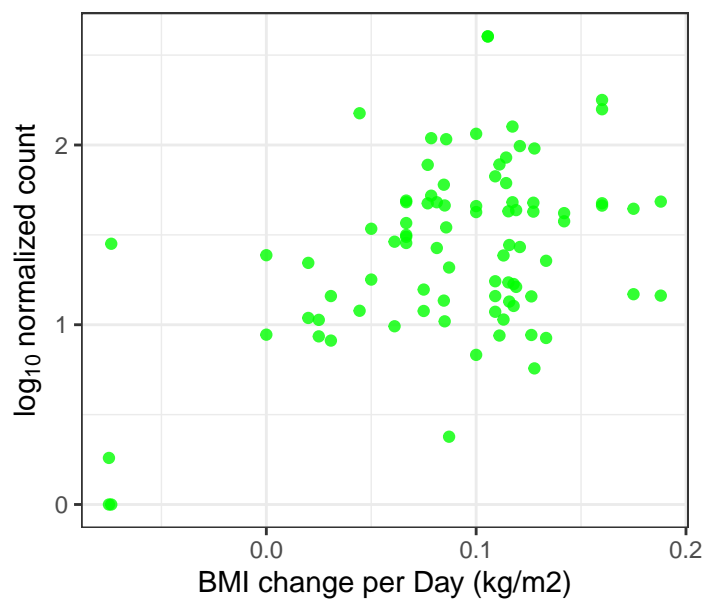
Methanothrix

p = 0.00544



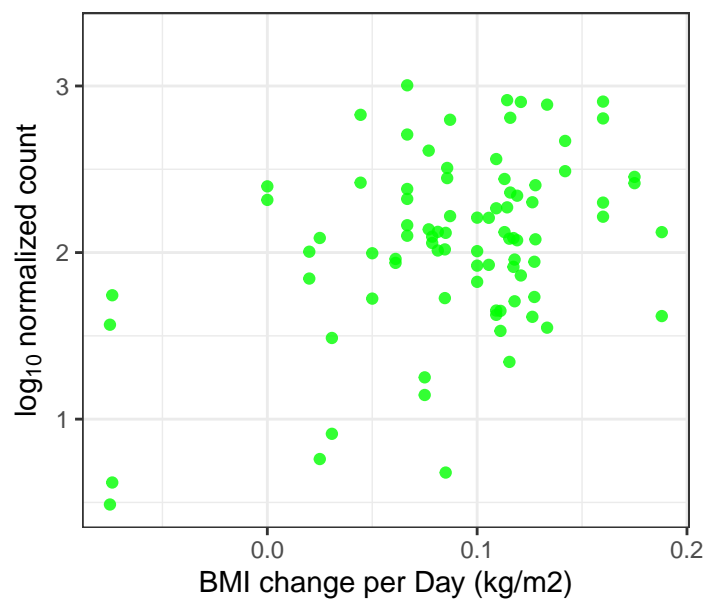
Parvularcula

p = 0.00544



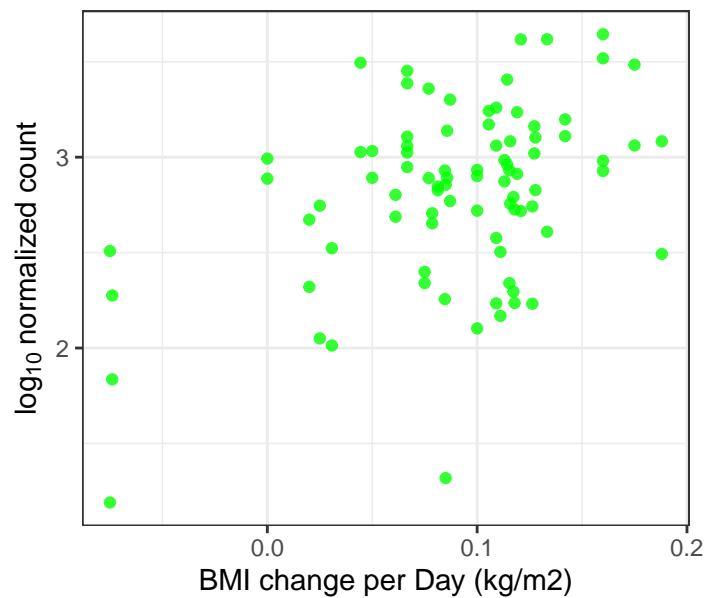
Rhizobacter

p = 0.00544



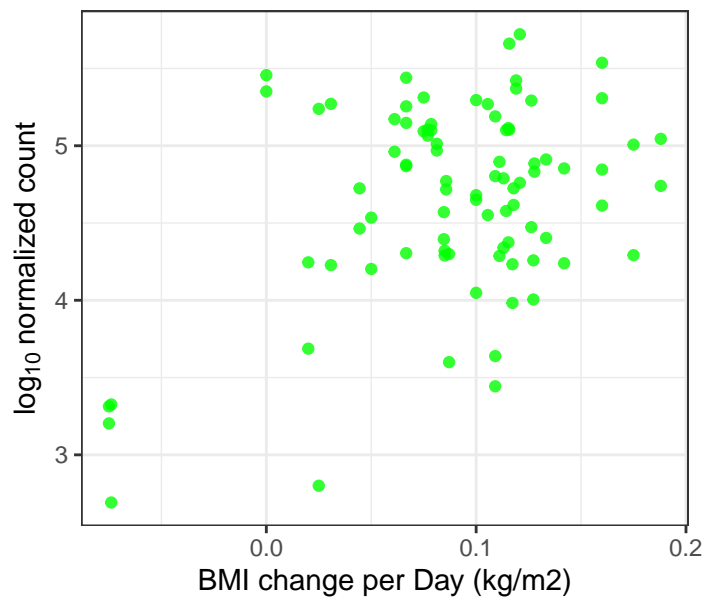
Thermaerobacter

p = 0.00544



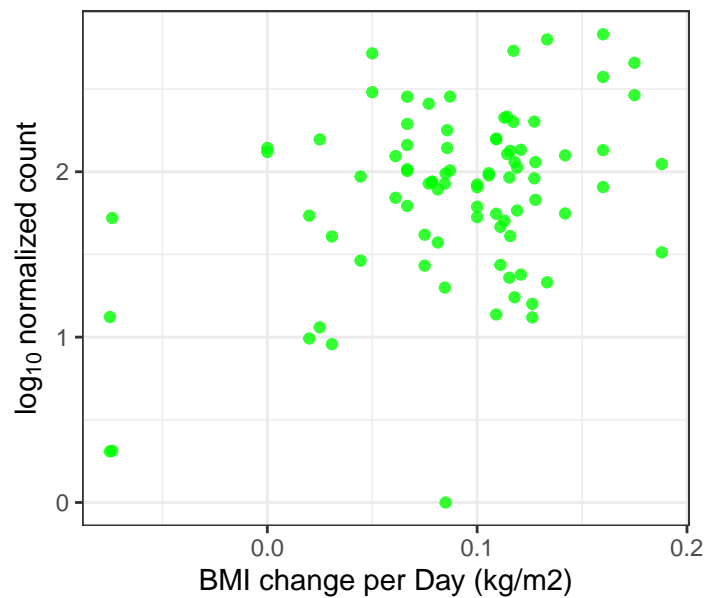
Unclassified Oscillospiraceae Family

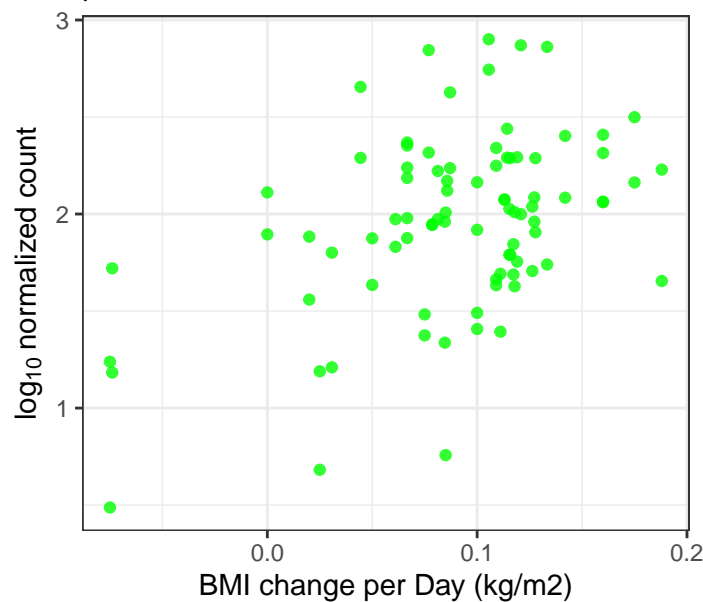
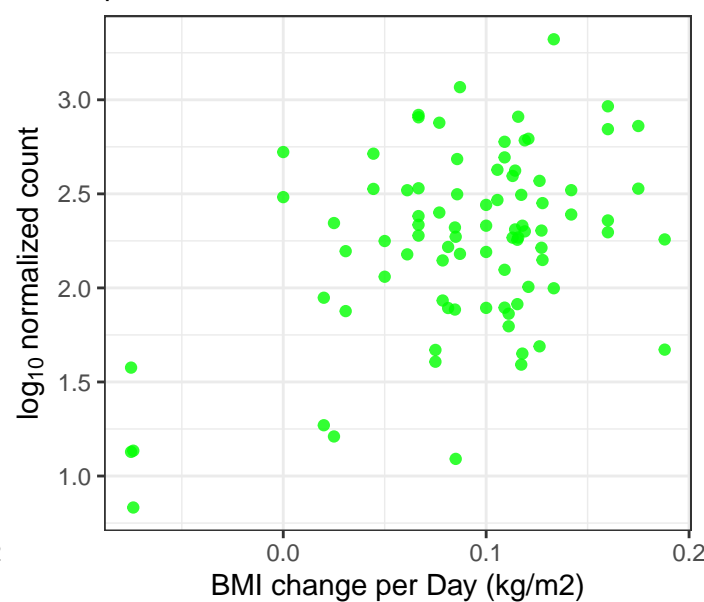
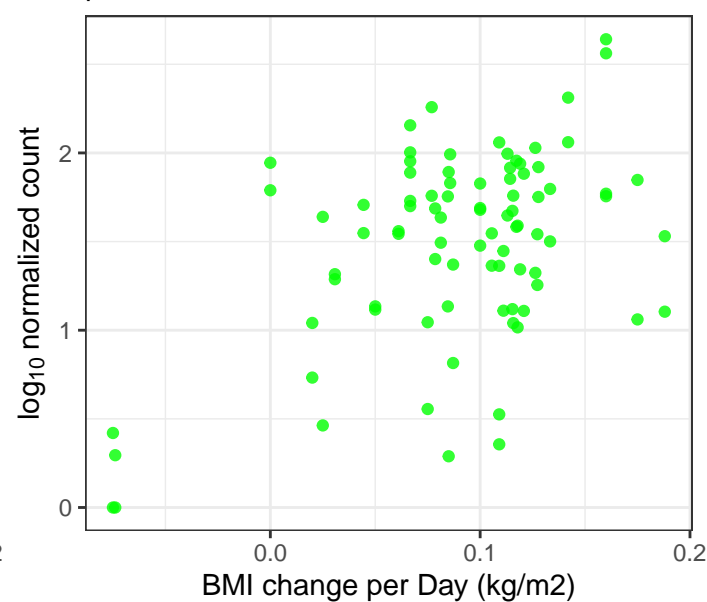
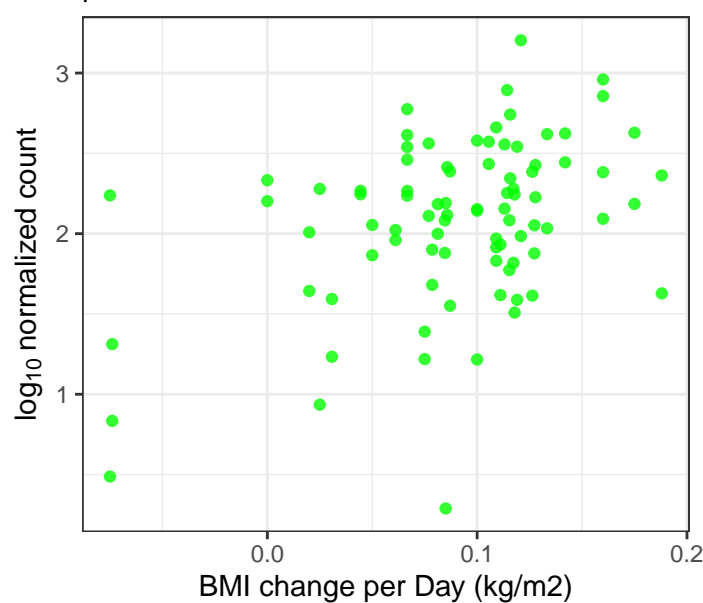
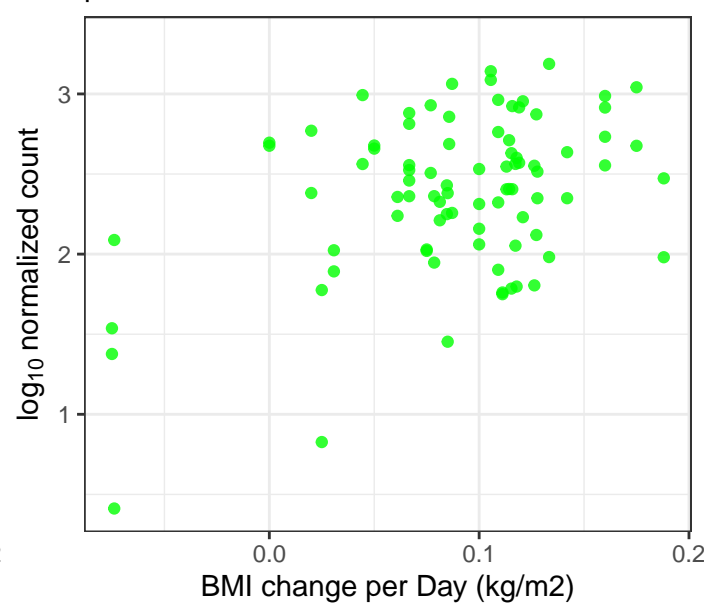
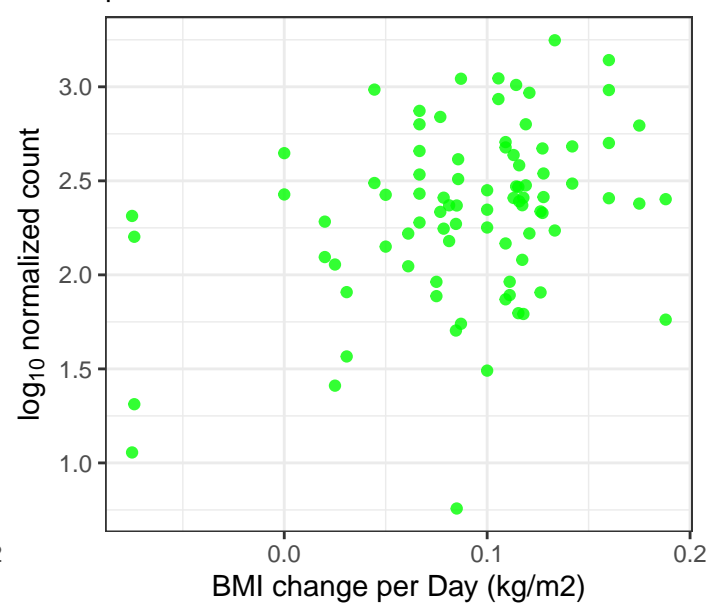
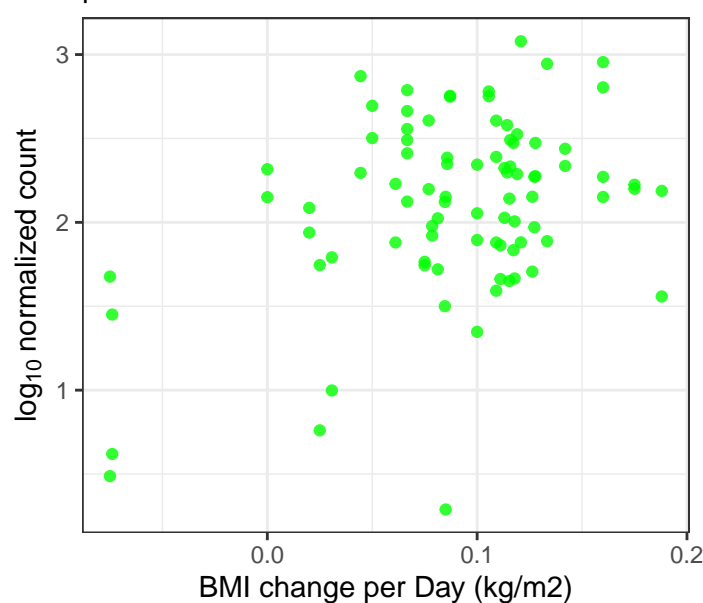
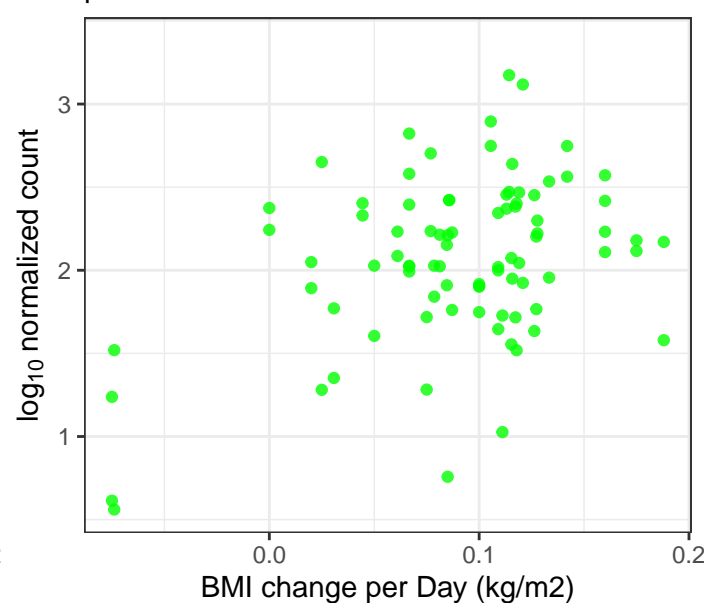
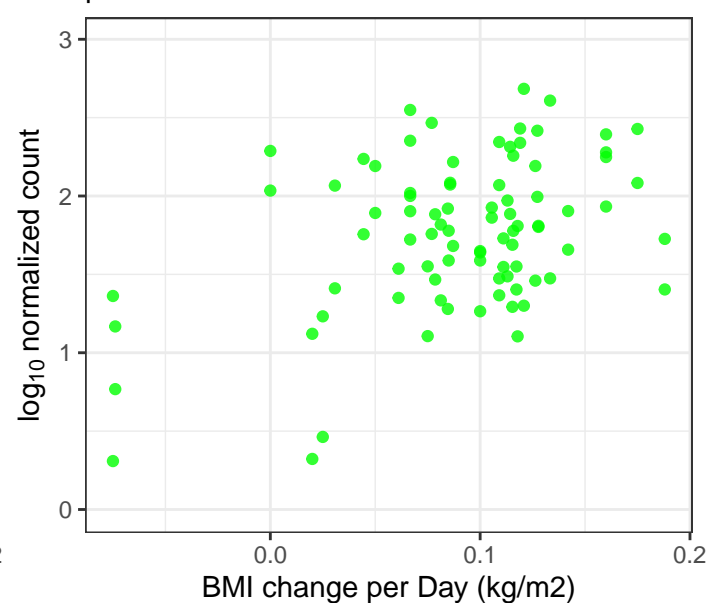
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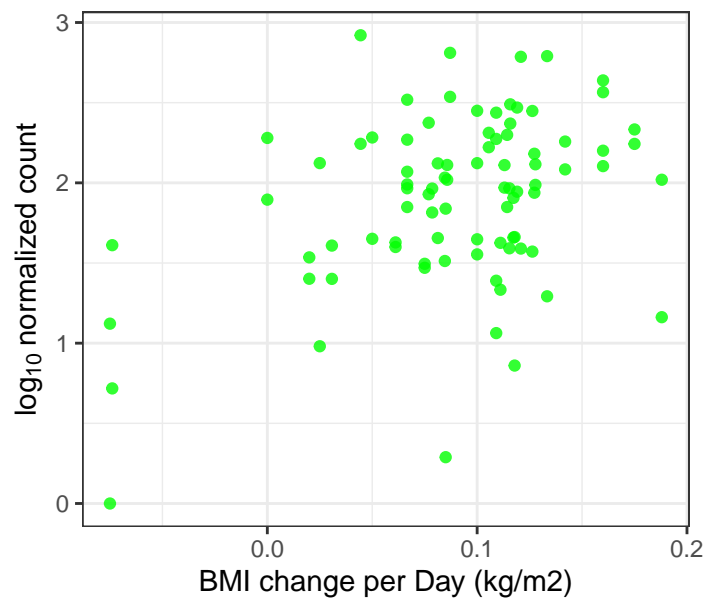
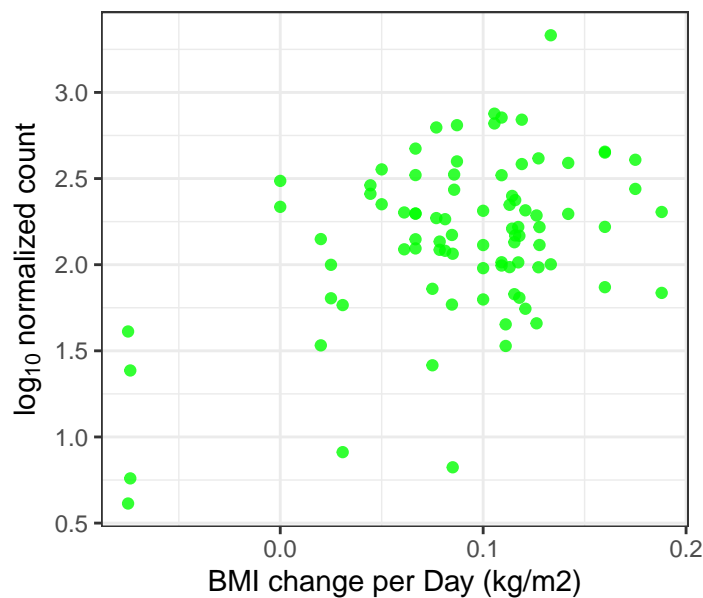
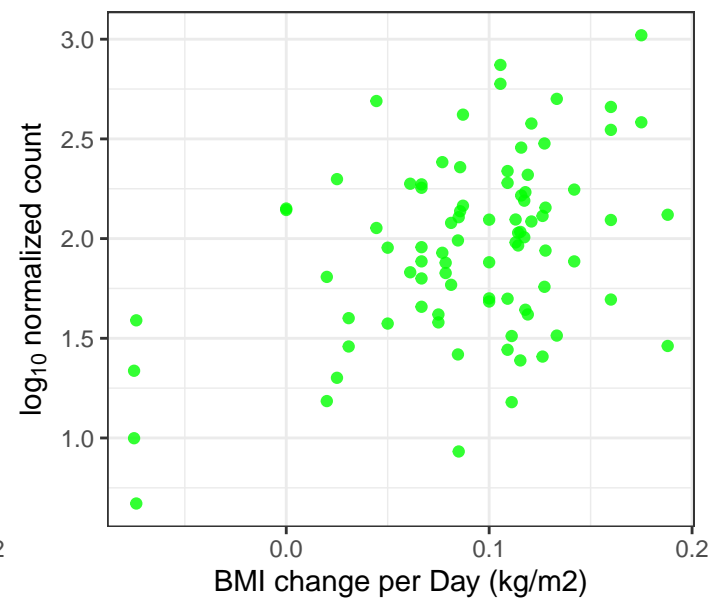
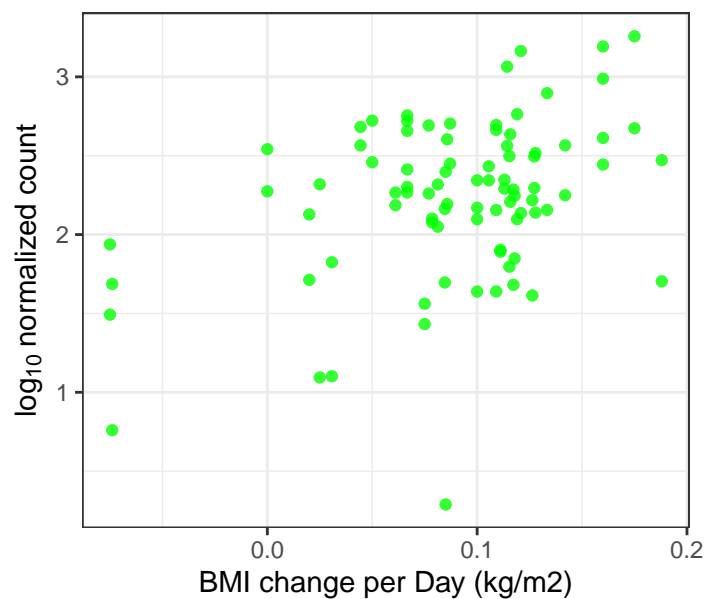
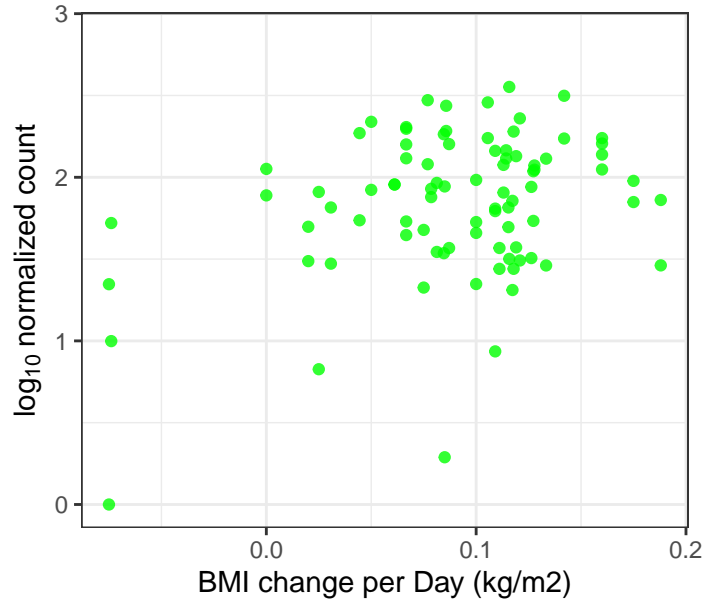
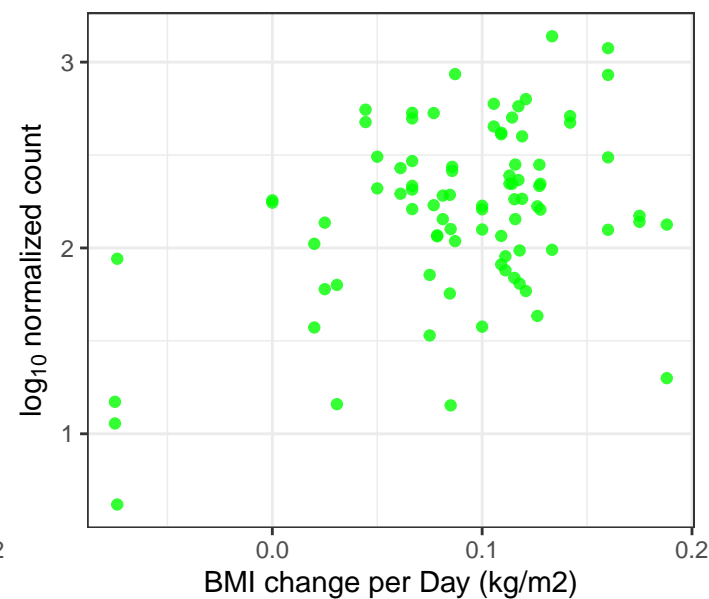
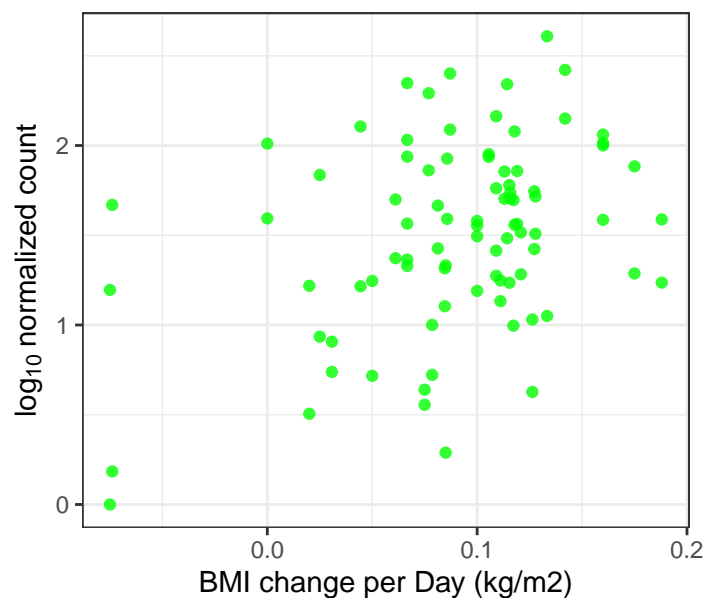
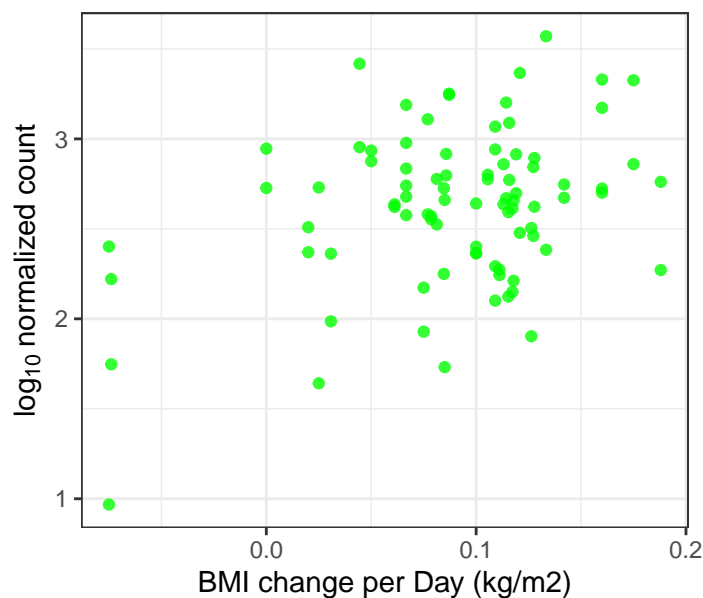
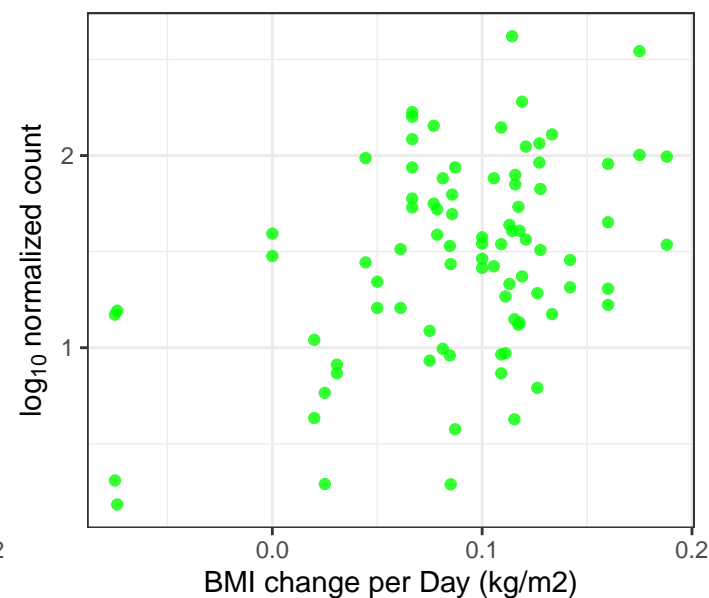


Unclassified Rhodospirillaceae Family

p = 0.00544

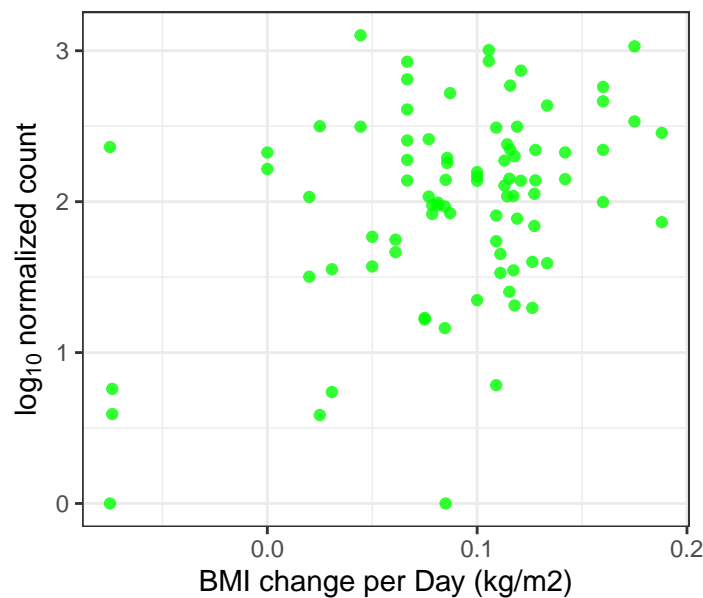


Ammonifex $p = 0.00569$ **Aquisphaera** $p = 0.00569$ **Citromicrobium** $p = 0.00569$ **Euzebya** $p = 0.00569$ **Rhodothermus** $p = 0.00569$ **Roseomonas** $p = 0.00569$ **Stackebrandtia** $p = 0.00569$ **Xylophilus** $p = 0.00569$ **Pulveribacter** $p = 0.0059$ 

Blastomonas $p = 0.00591$ **Haloarcula** $p = 0.00591$ **Tardiphaga** $p = 0.00591$ **Aminomonas** $p = 0.00605$ **Denitratisoma** $p = 0.00605$ **Hyphomonas** $p = 0.00605$ **Unclassified Haloferacales Order** $p = 0.00605$ **Corallococcus** $p = 0.00651$ **Halopiger** $p = 0.00651$ 

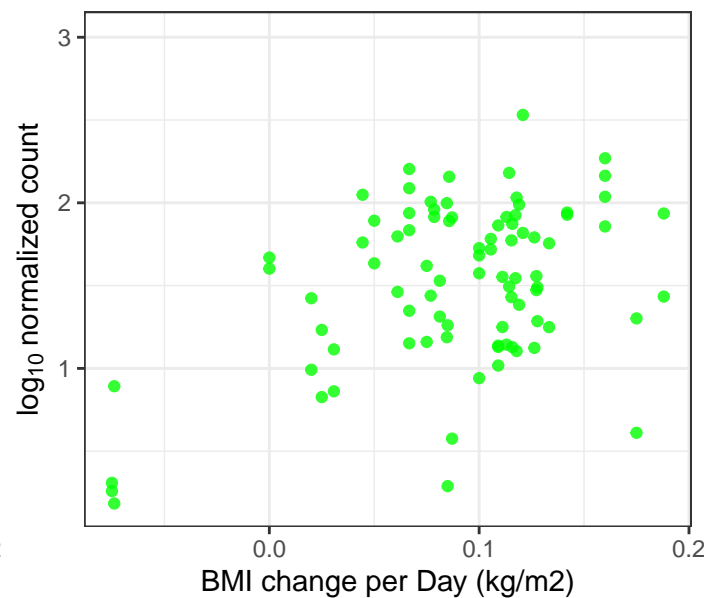
Modestobacter

p = 0.00651



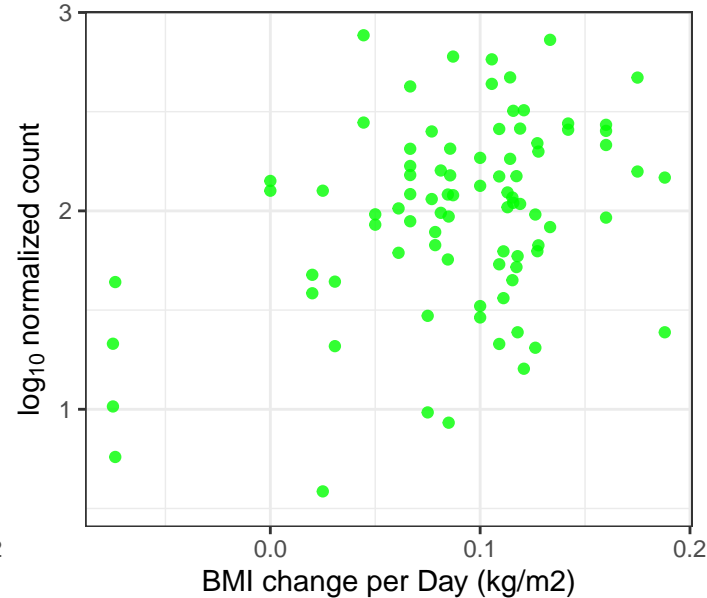
Neoasaia

p = 0.00651



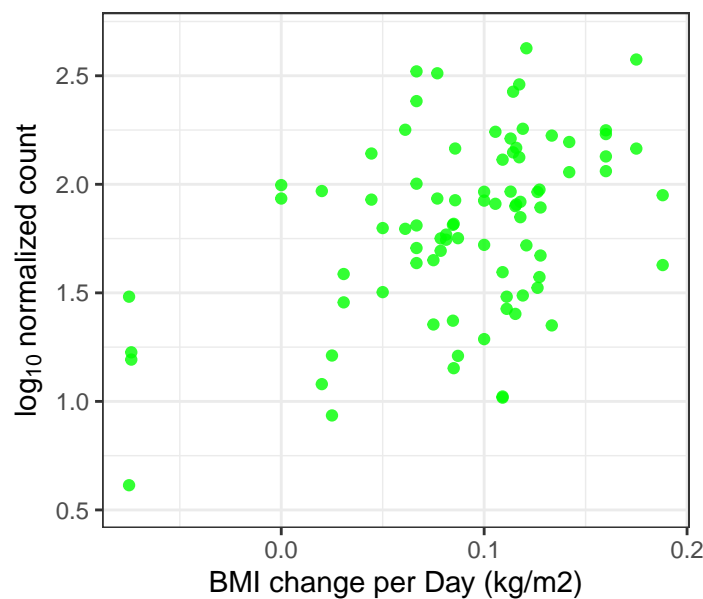
Roseateles

p = 0.00651



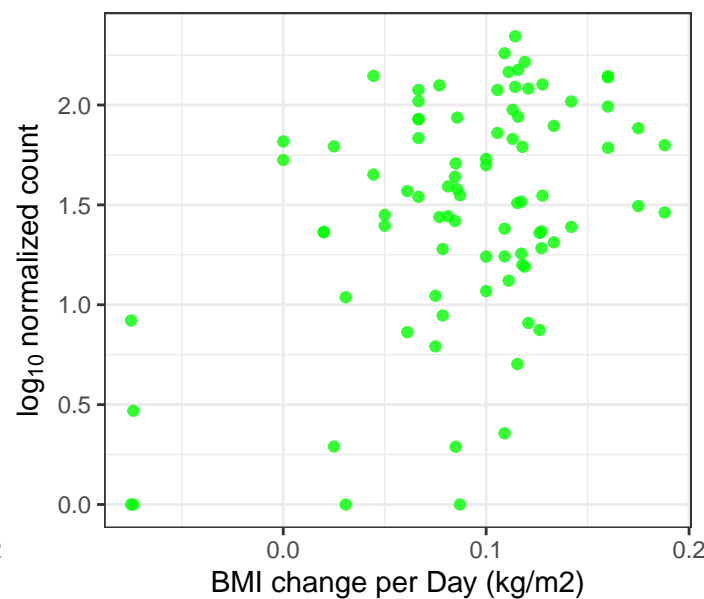
Sulfuricaulis

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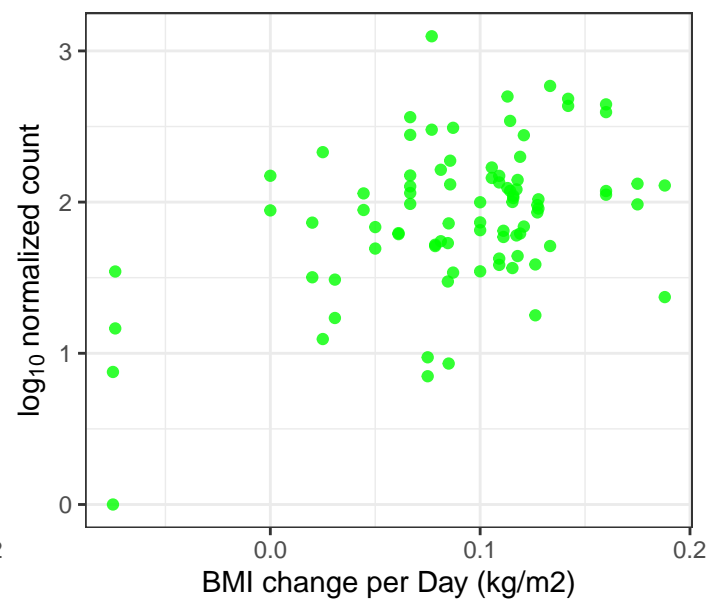
Unclassified Synechococcaceae Family

p = 0.00651



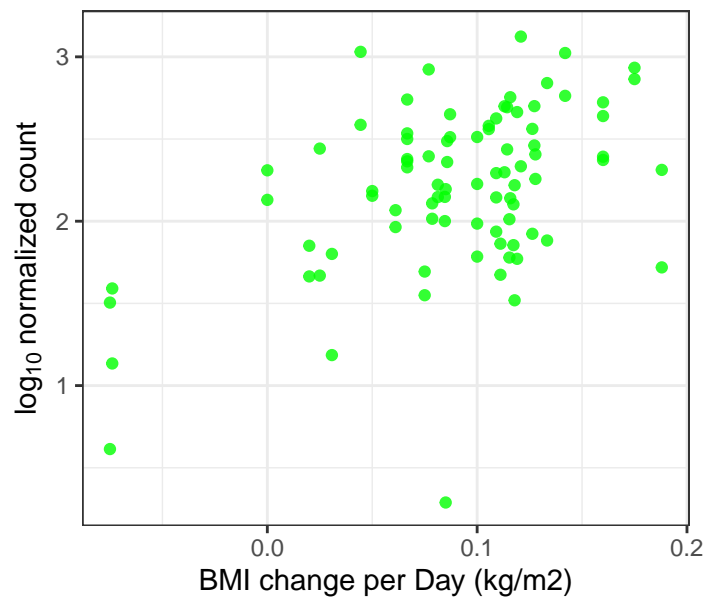
Bradymonas

p = 0.00652



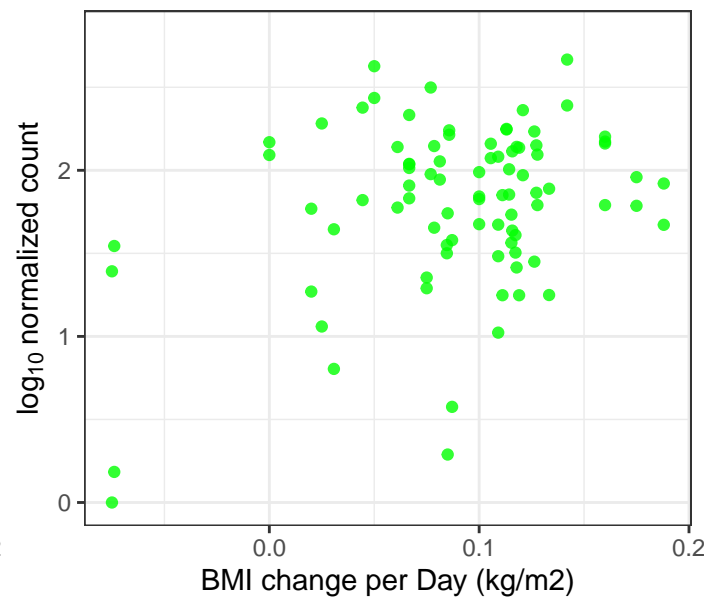
Ectothiorhodospira

p = 0.00652



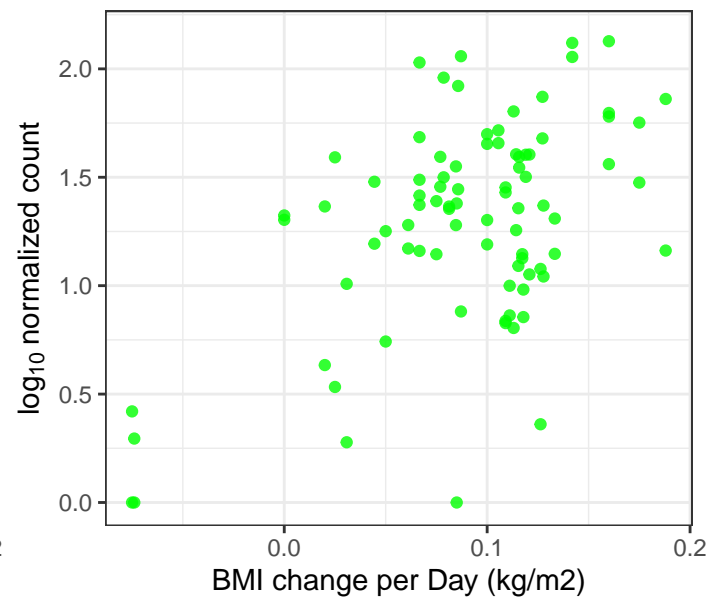
Gemmobacter

p = 0.00652



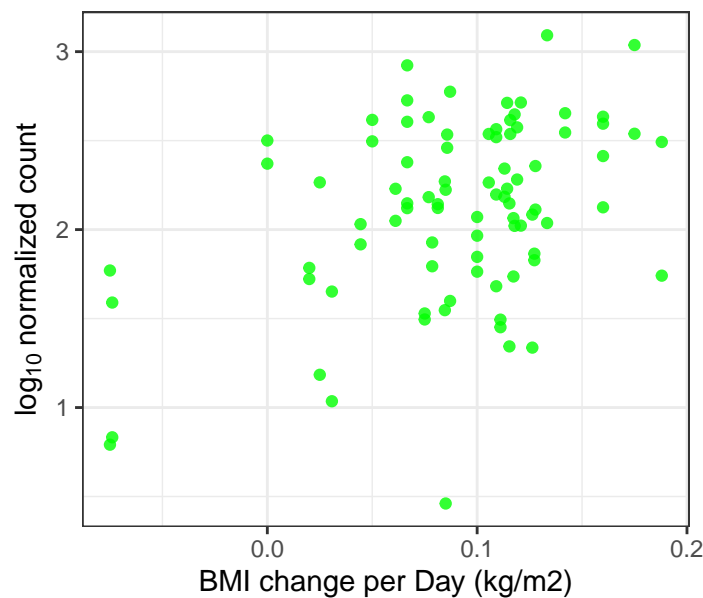
Halodesulfurarchaeum

p = 0.00652



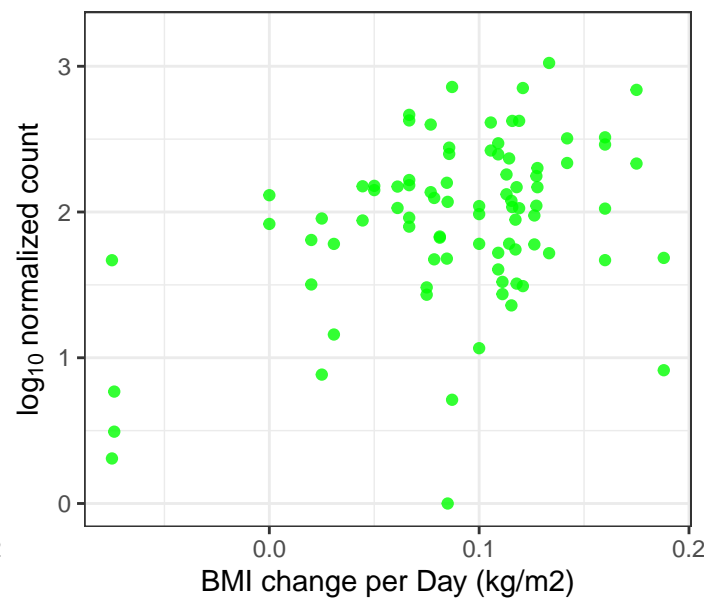
Kibdelosporangium

p = 0.00652



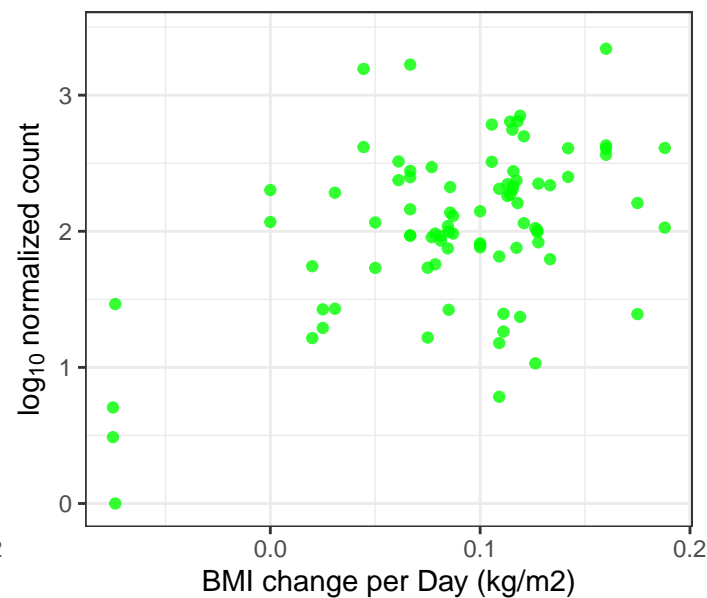
Paludisphaera

p = 0.00652



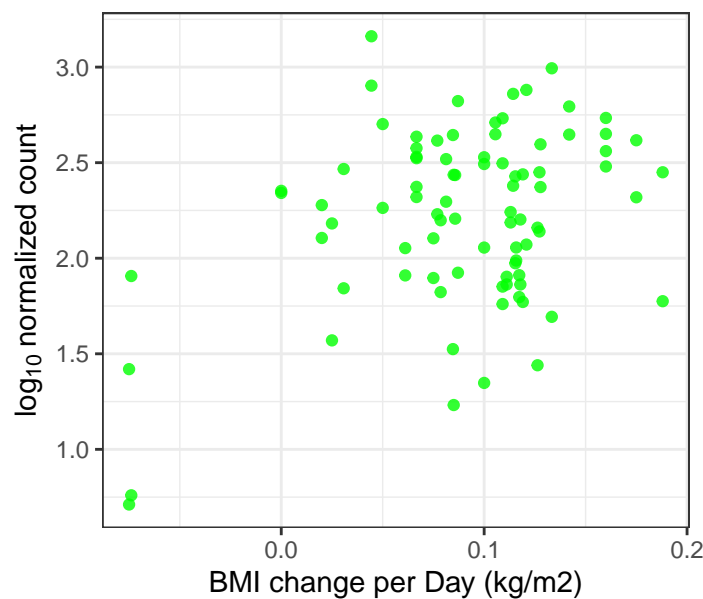
Roseimicrobium

p = 0.00652



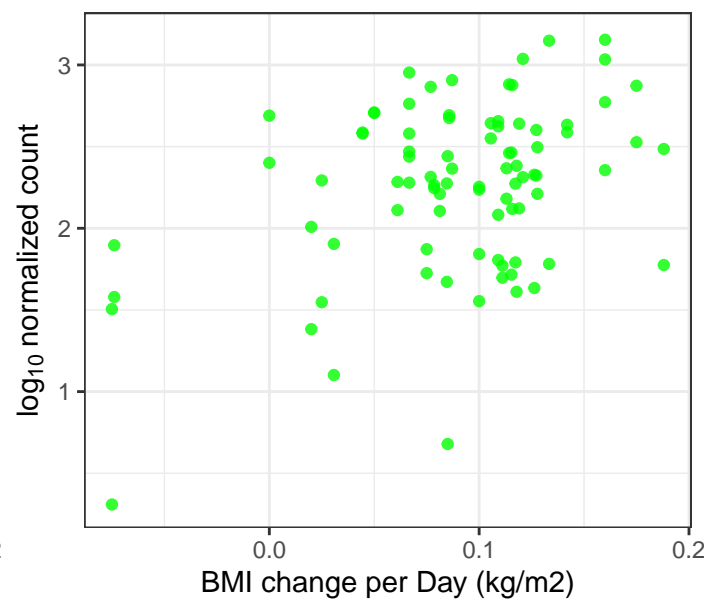
Thermosediminibacter

p = 0.00652



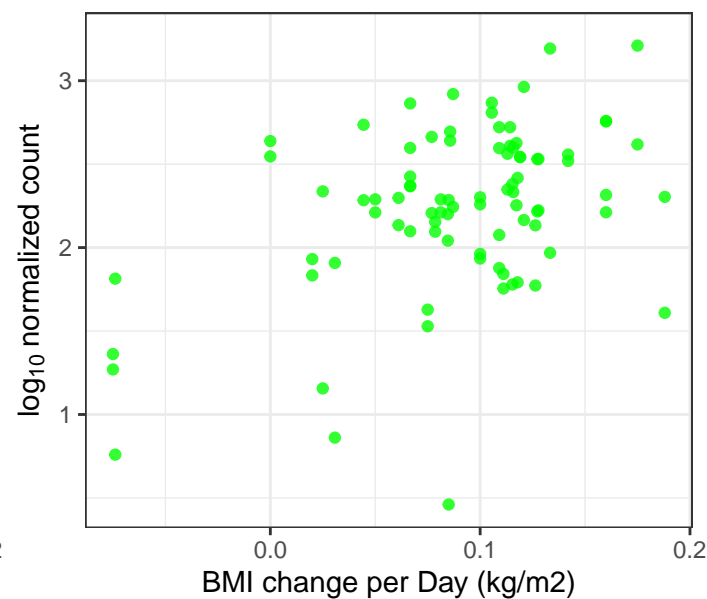
Unclassified Myxococcales Order

p = 0.00652



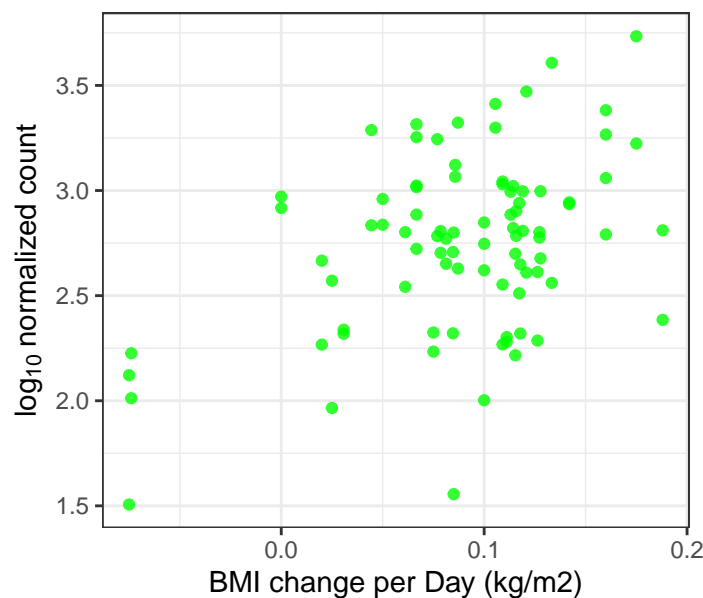
Blastochloris

p = 0.00665



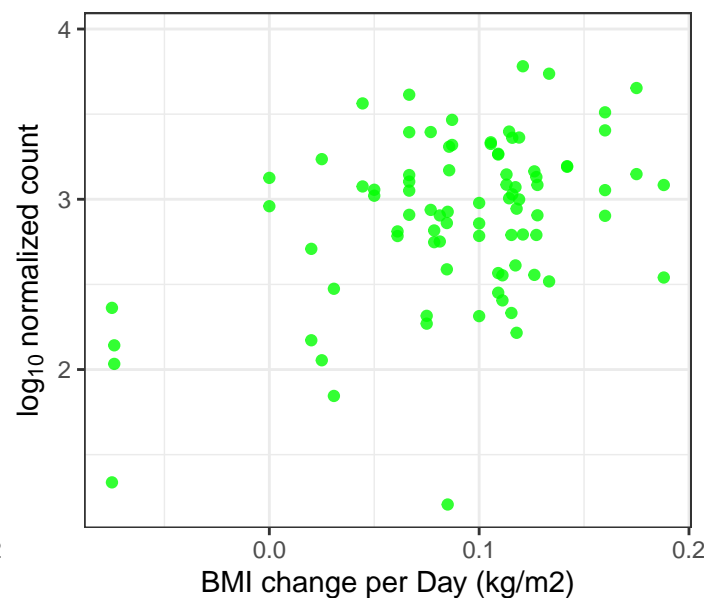
Bosea

p = 0.00665



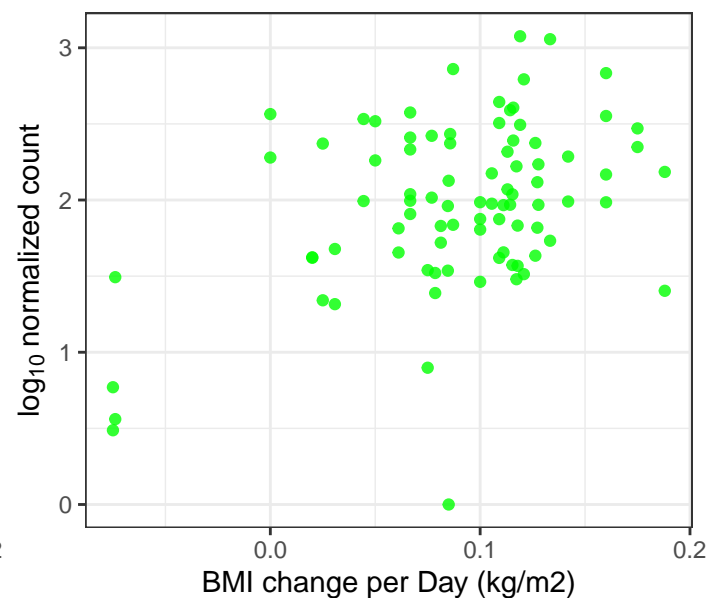
Caulobacter

p = 0.00665



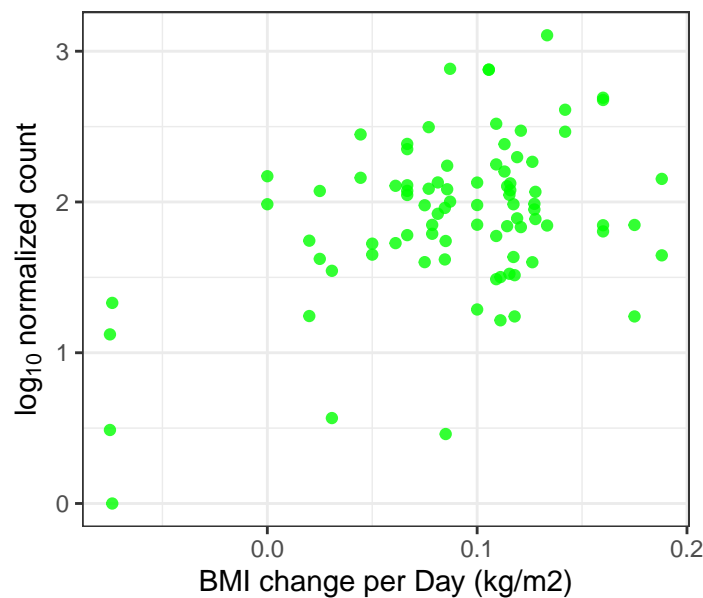
Kribbella

p = 0.00665



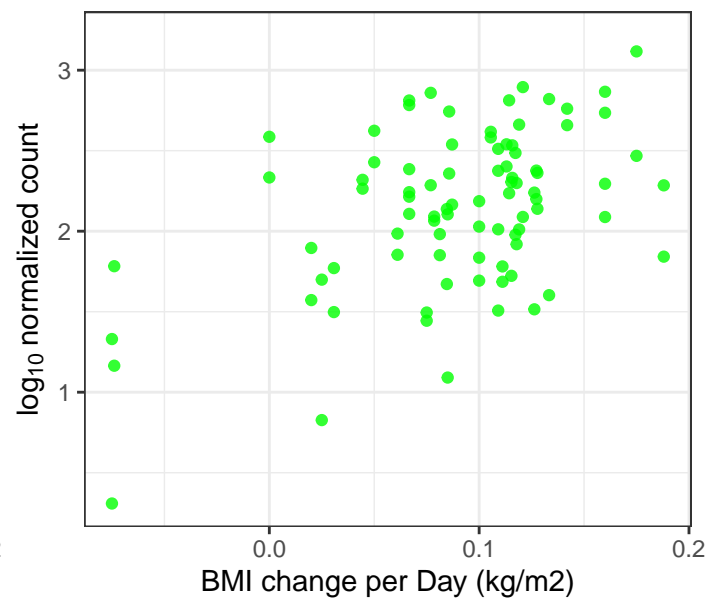
Unclassified Thermoplasmatales Order

p = 0.00665



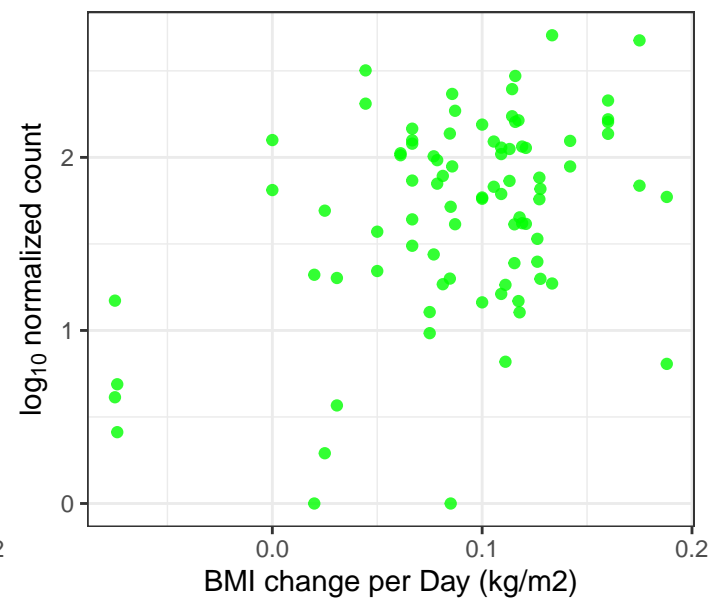
Chelatococcus

p = 0.00665



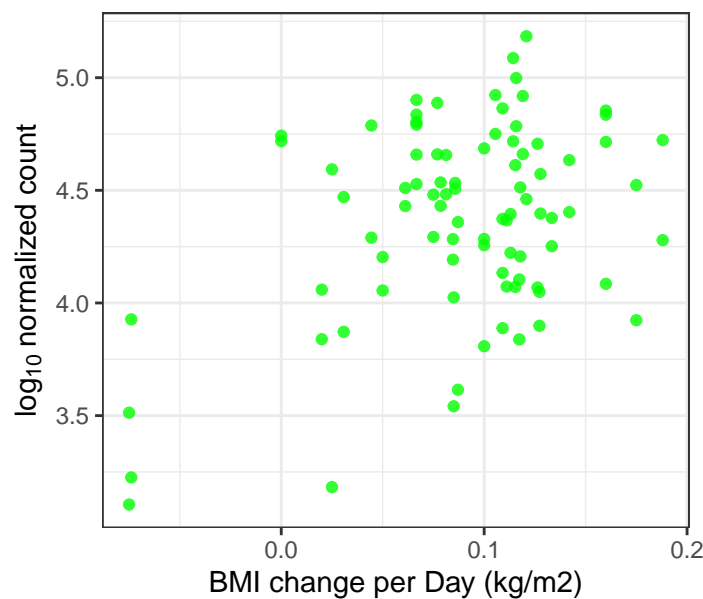
Wenzhouxiangella

p = 0.00667



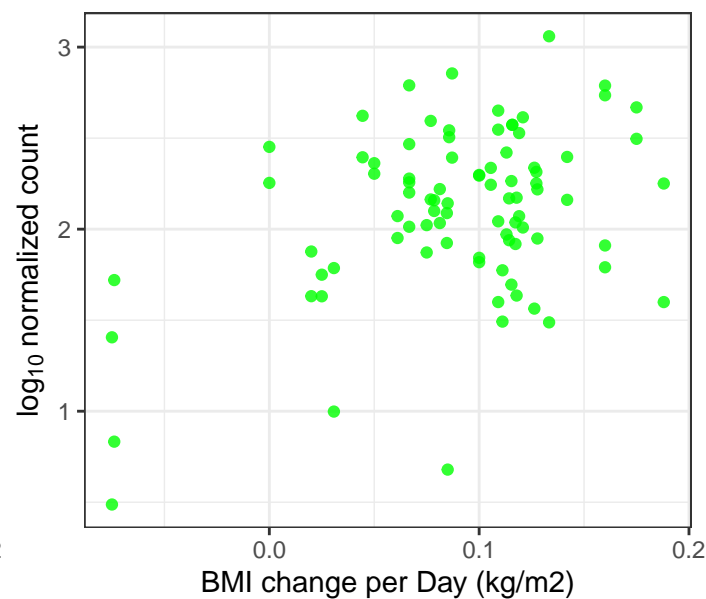
Oscillibacter

p = 0.00709



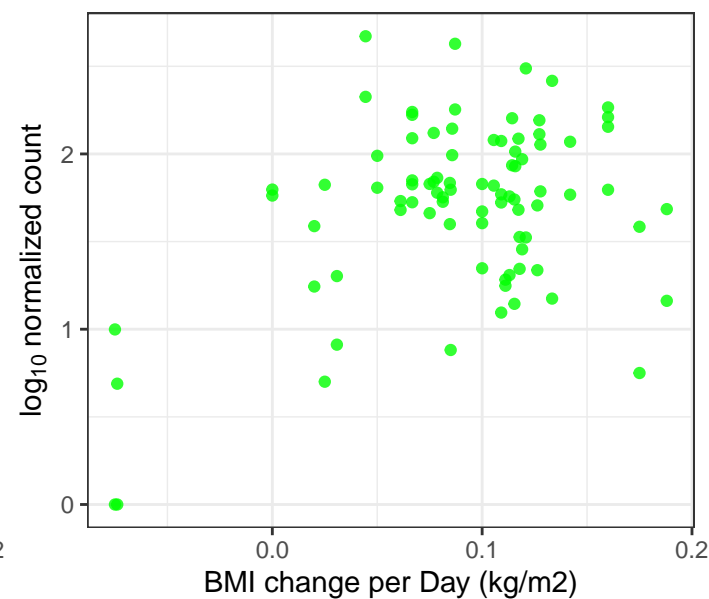
Unclassified Halobacteria Class

p = 0.00716



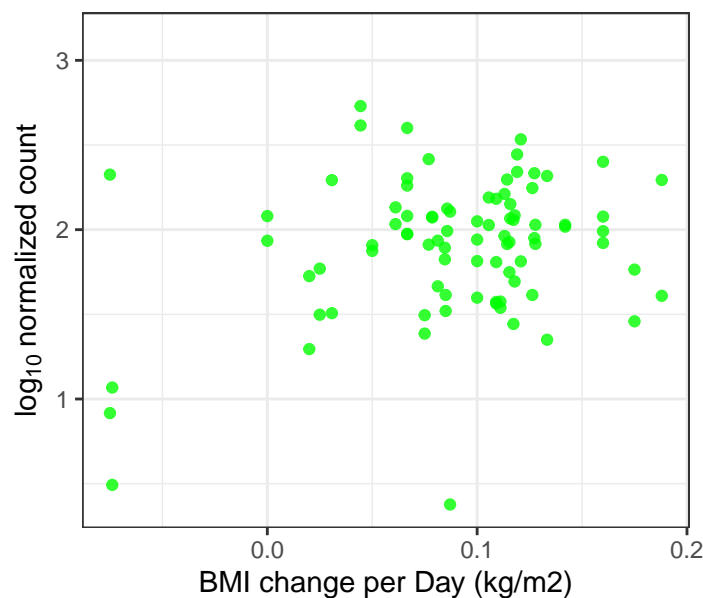
Thermochromatium

p = 0.00738



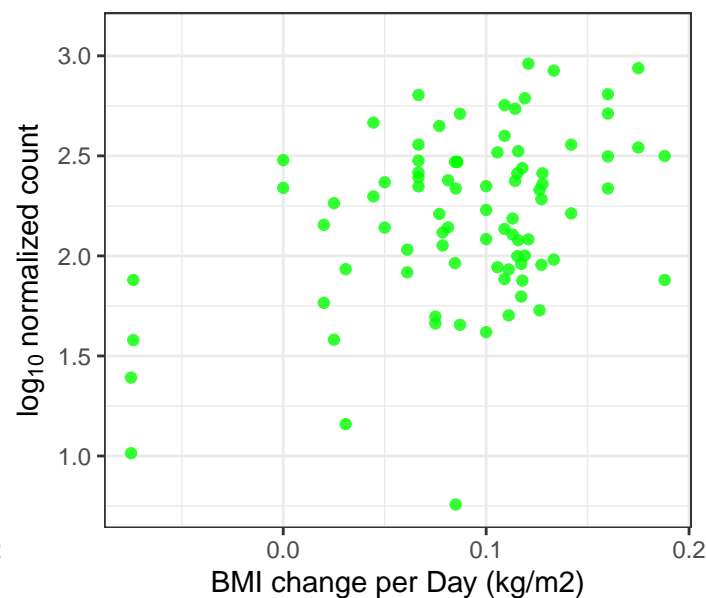
Kerstersia

p = 0.0075



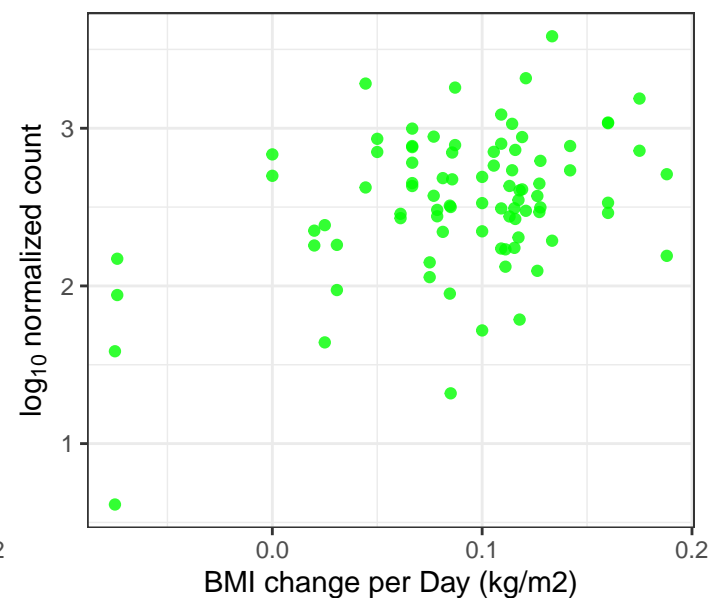
Thermanaerovibrio

p = 0.0075



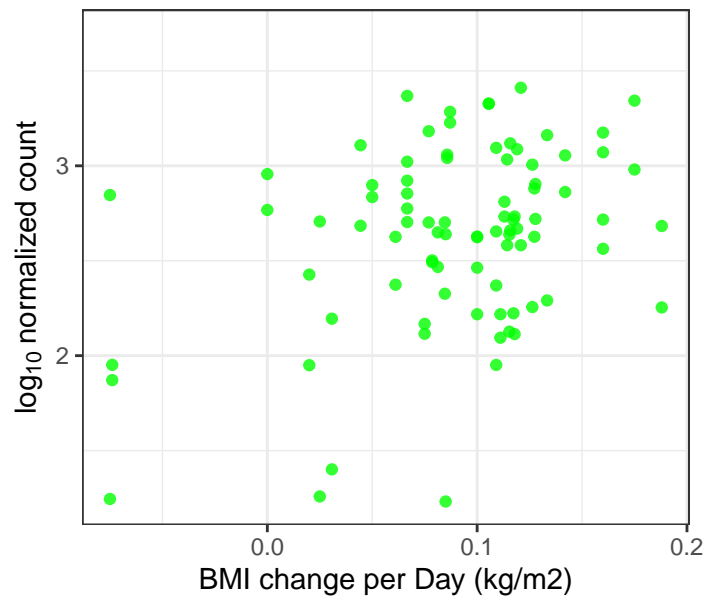
Microlunatus

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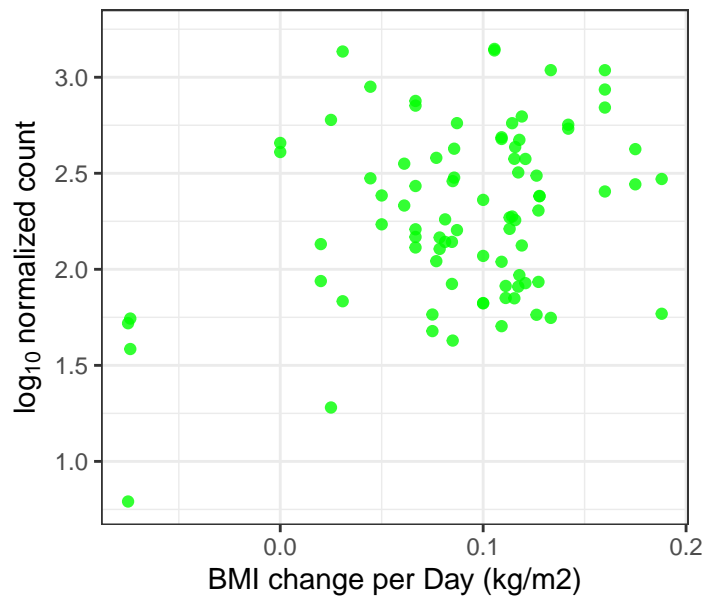
Actinomadura

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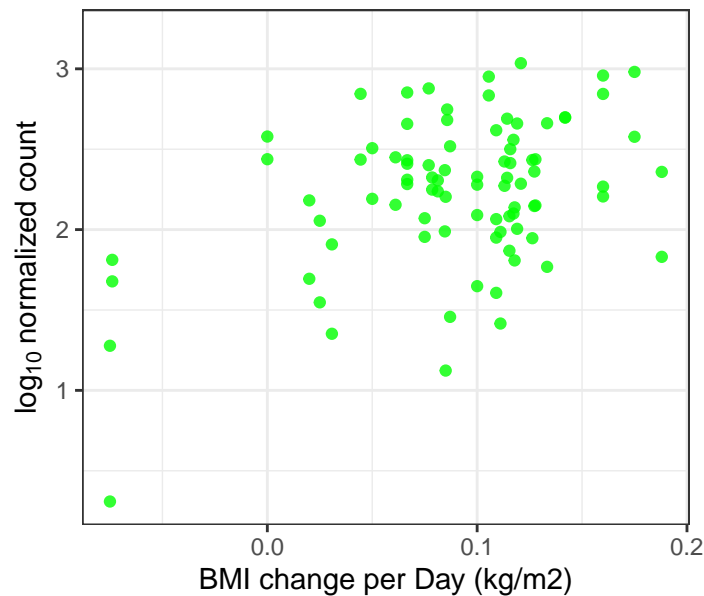
Unclassified Opitutaceae Family

p = 0.00768



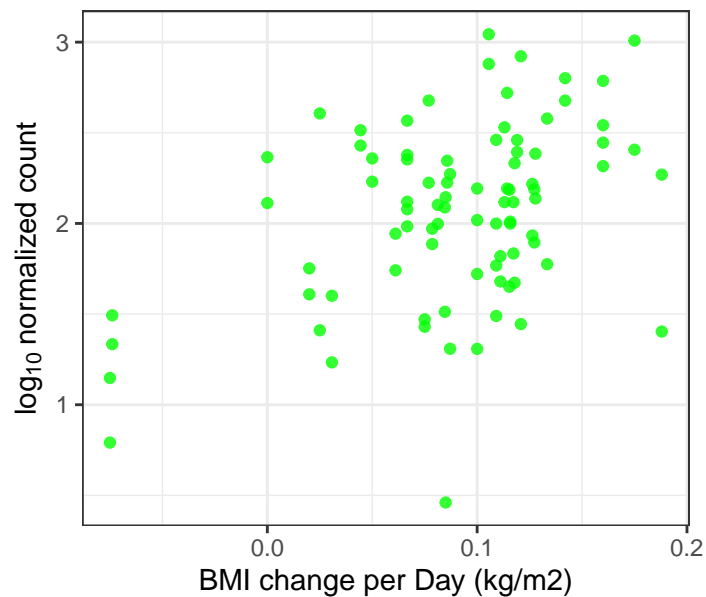
Spiribacter

p = 0.00779



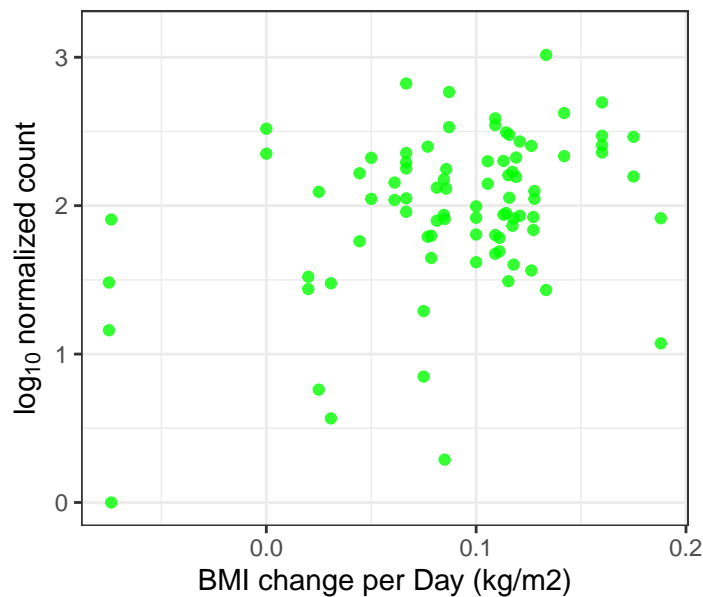
Salinispora

p = 0.00785



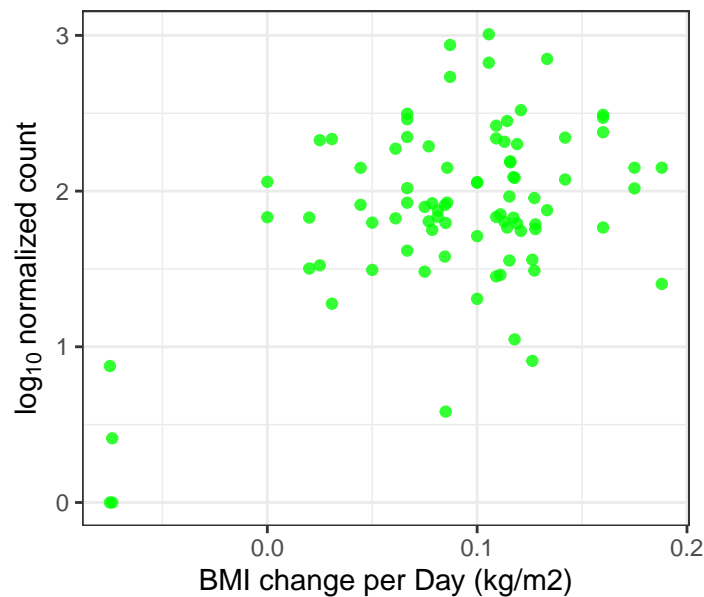
Haloactinobacterium

p = 0.00816



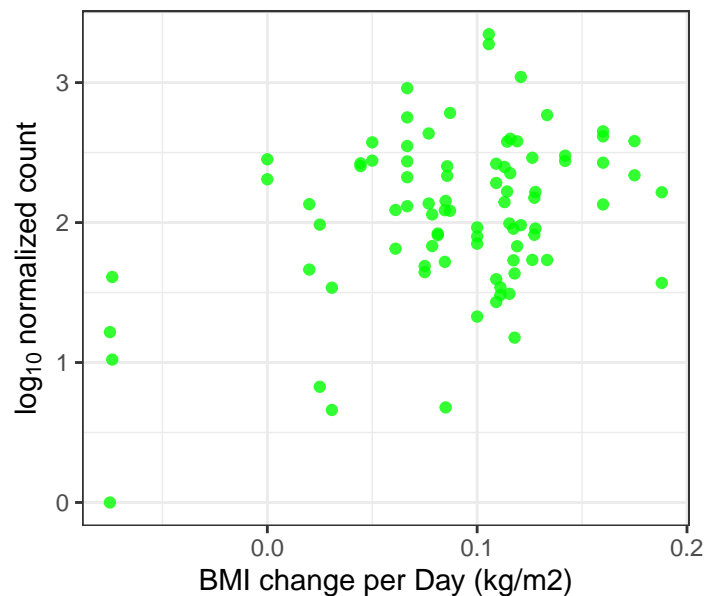
Pelagibaca

p = 0.00816



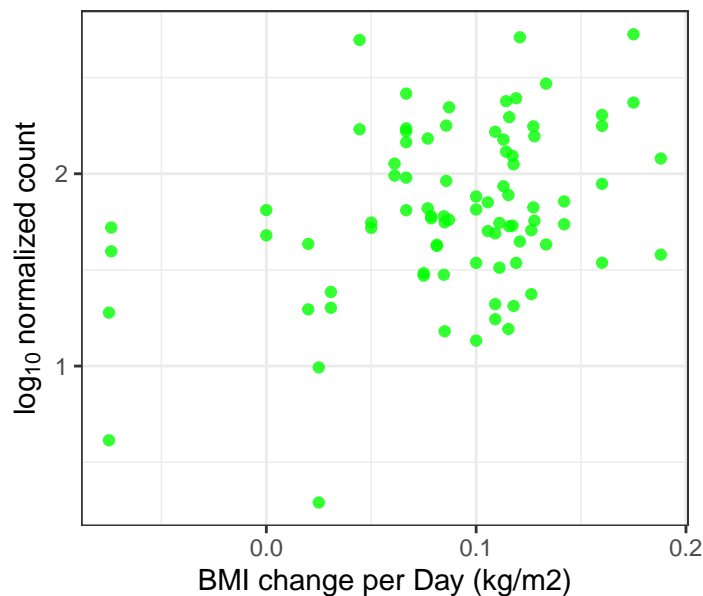
Rhodanobacter

p = 0.00816



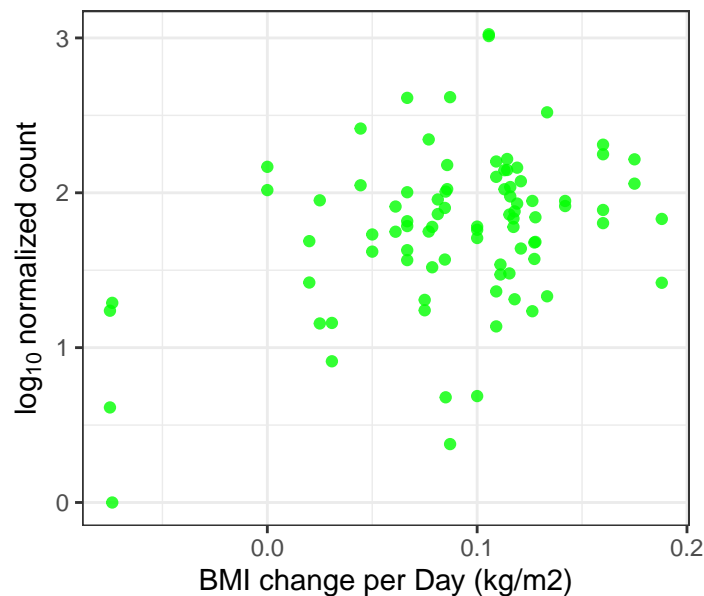
Noviherbaspirillum

p = 0.00816



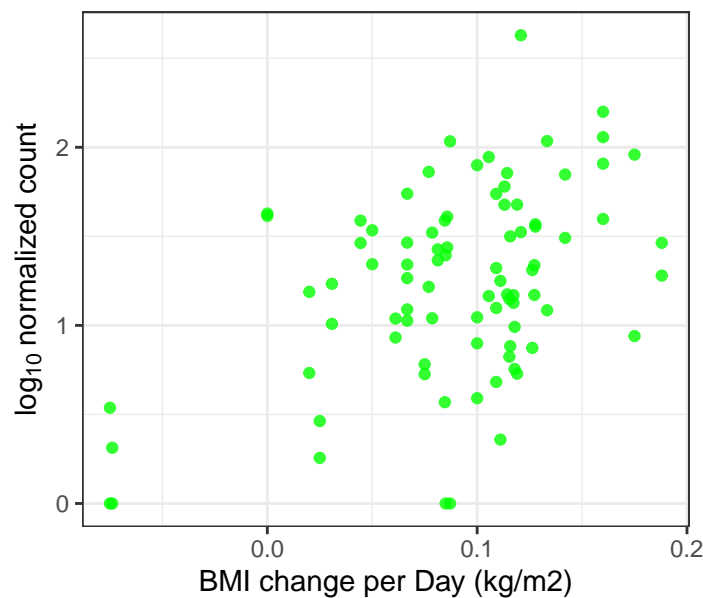
Rhizorhabdus

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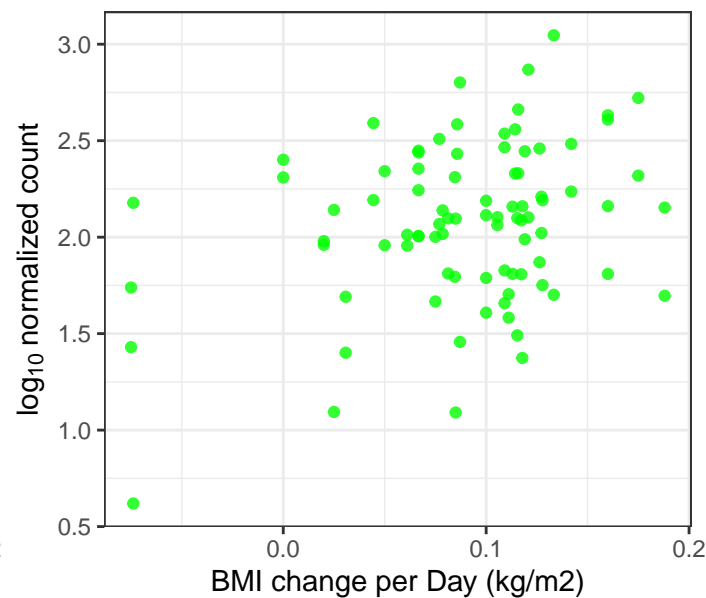
Unclassified Thermaceae Family

p = 0.00816



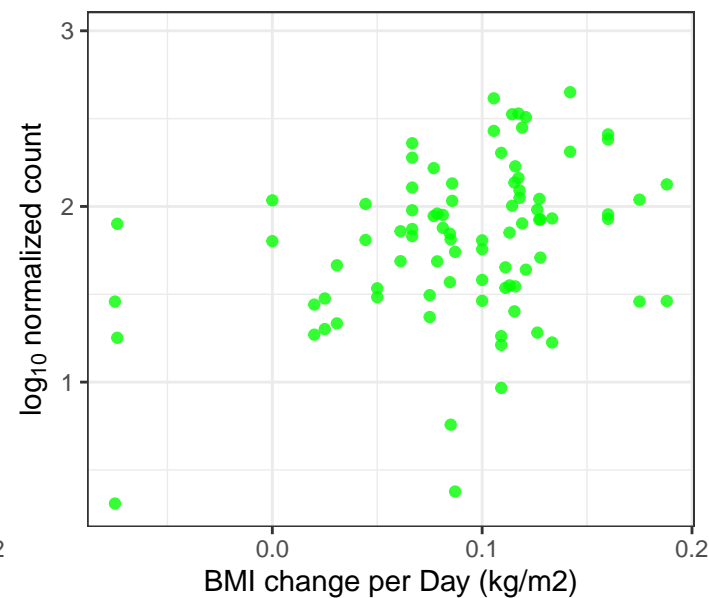
Halorhodospira

p = 0.00818



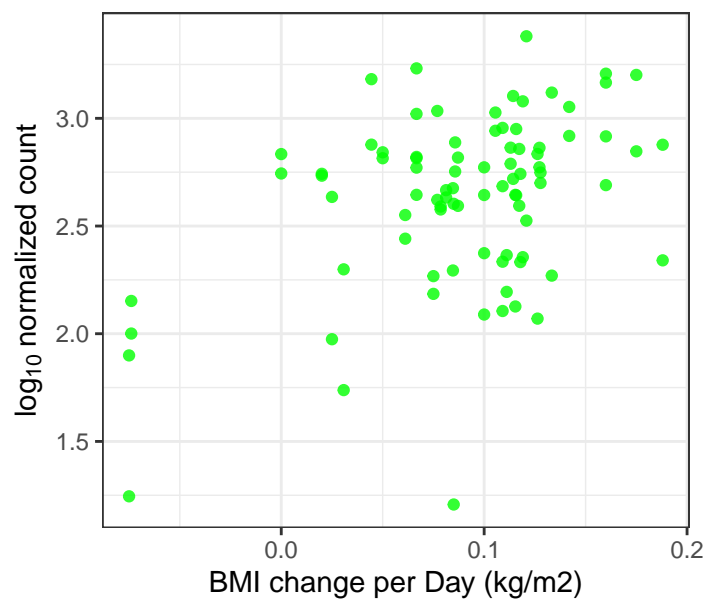
Magnetospira

p = 0.00818



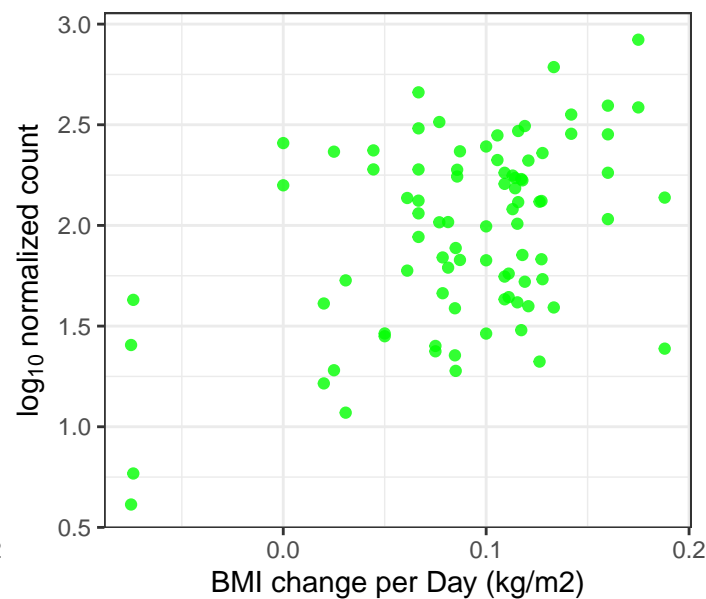
Magnetospirillum

p = 0.00818



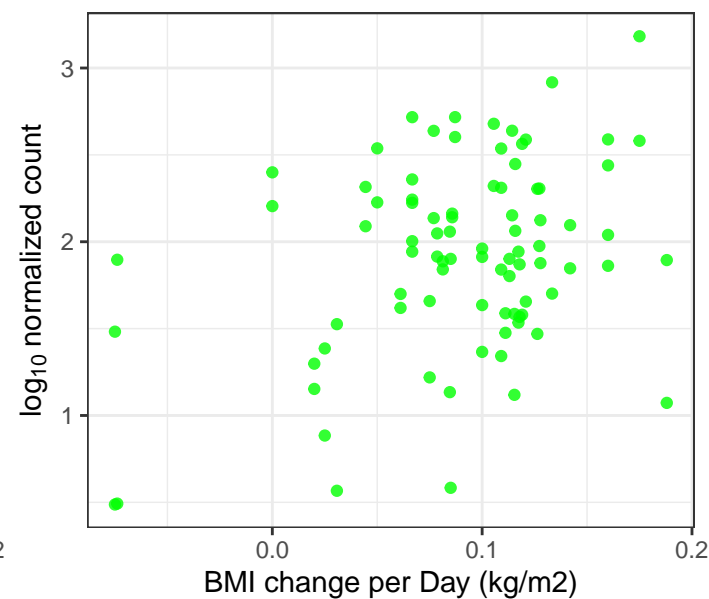
Marichromatium

p = 0.00818



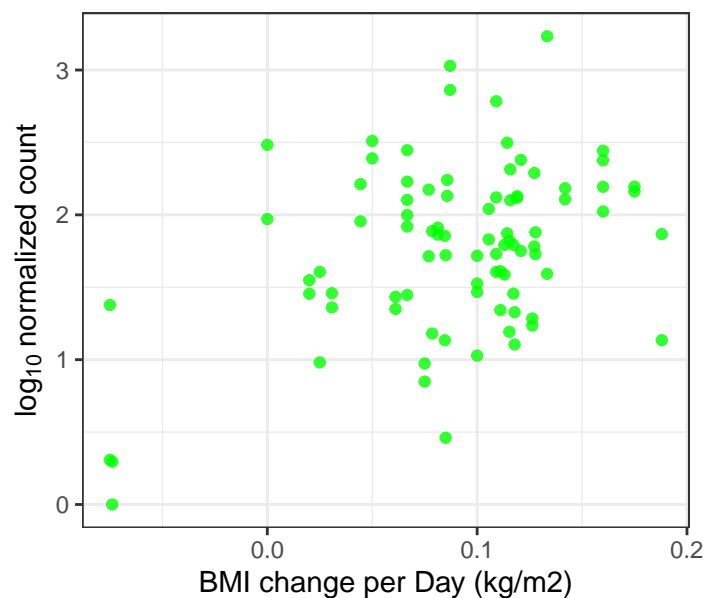
Oceanithermus

p = 0.00818



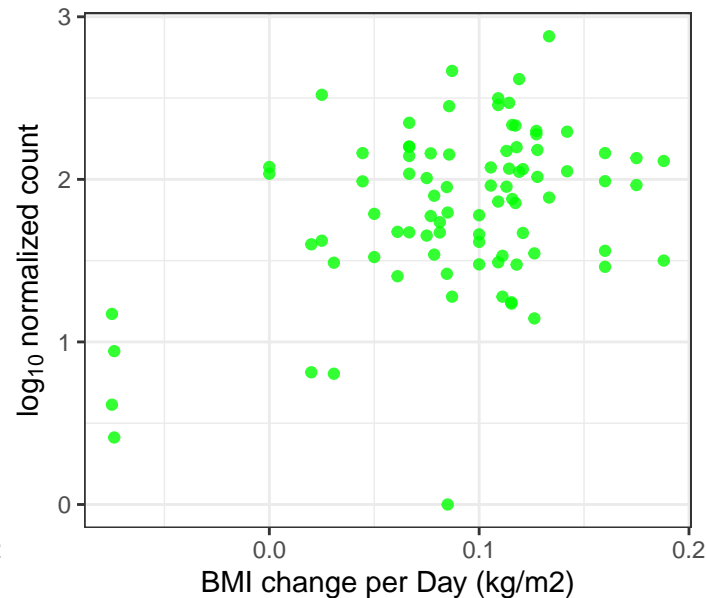
Prauserella

p = 0.00818



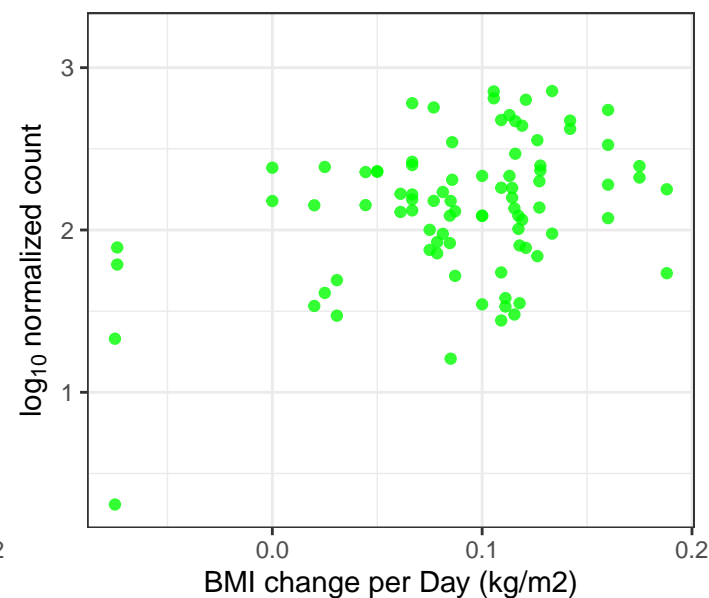
Roseitalea

p = 0.00818



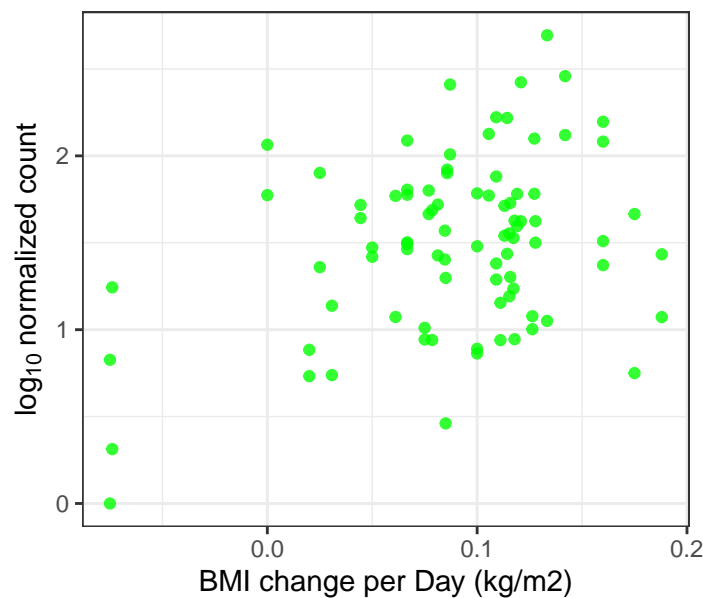
Tepidiforma

p = 0.00818



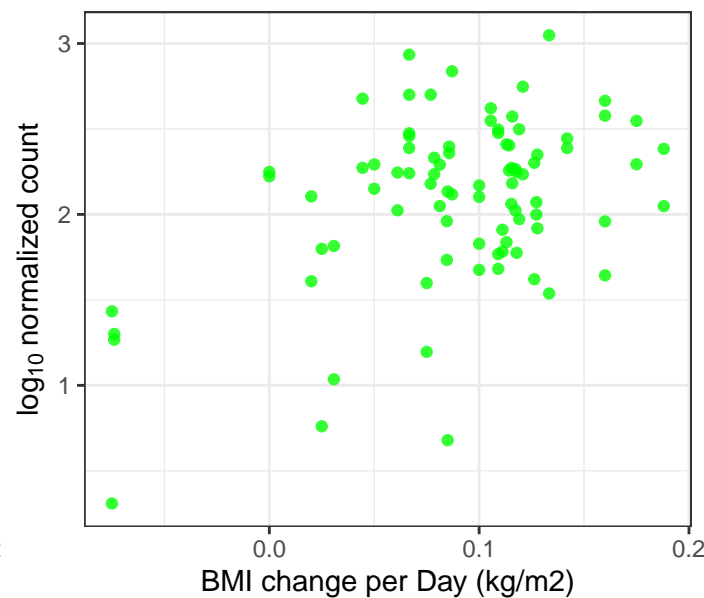
Unclassified Natrialbaceae Family

p = 0.00818



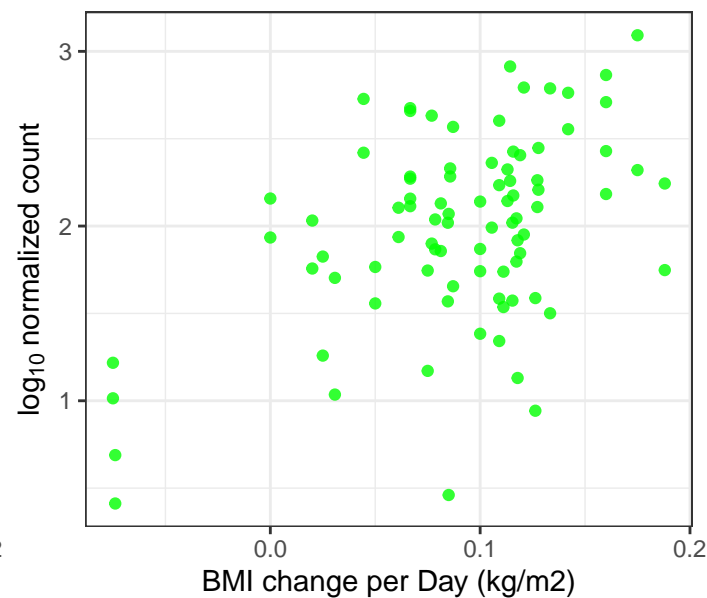
Unclassified Sterolibacteriaceae Family

p = 0.00818



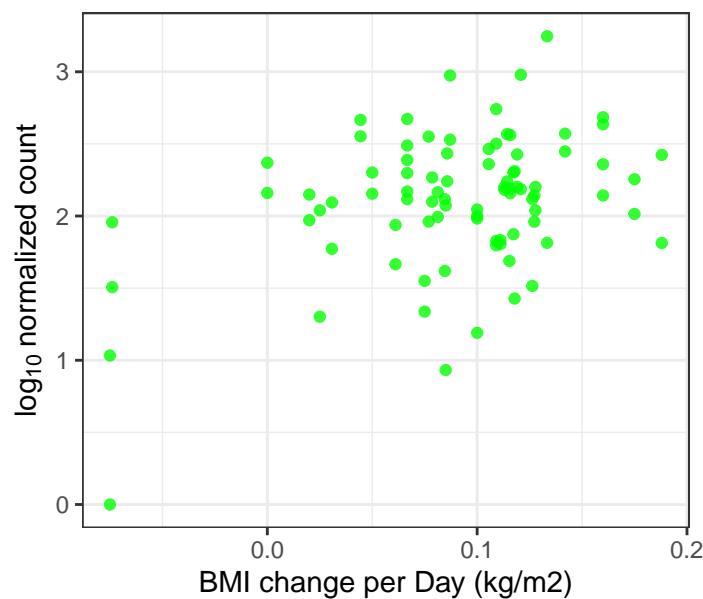
Xanthobacter

p = 0.00818



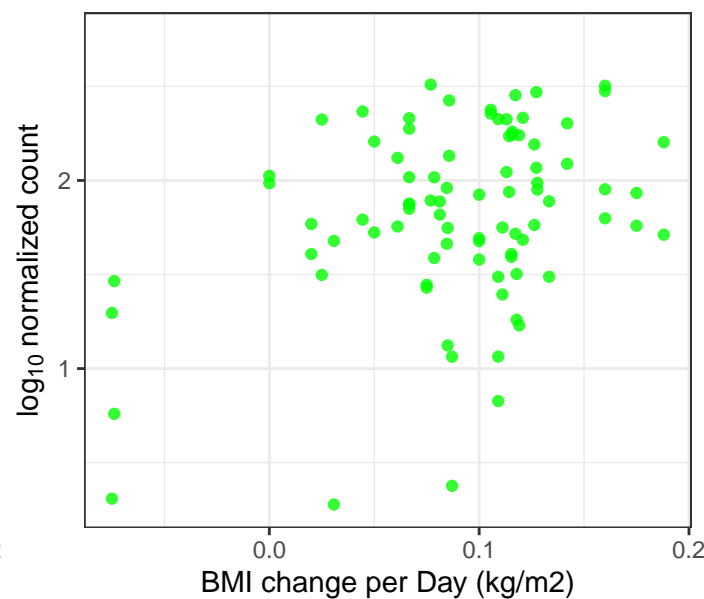
Skermanella

p = 0.00843



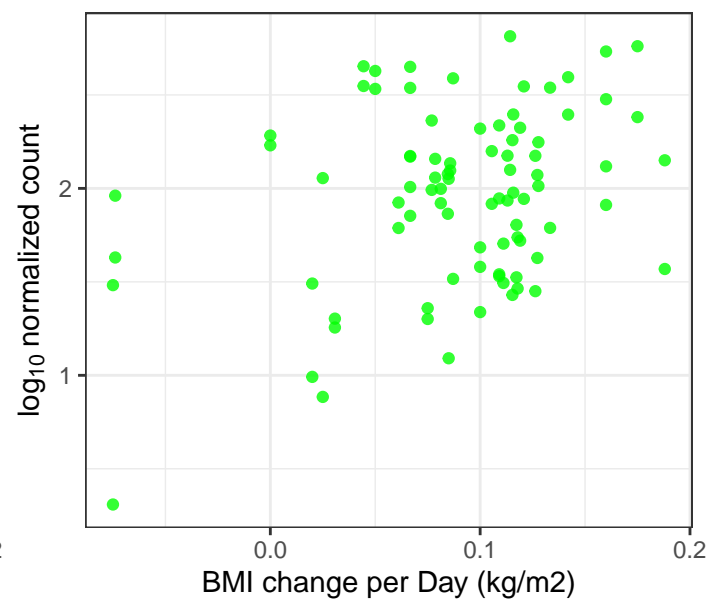
Limnohabitans

p = 0.00849



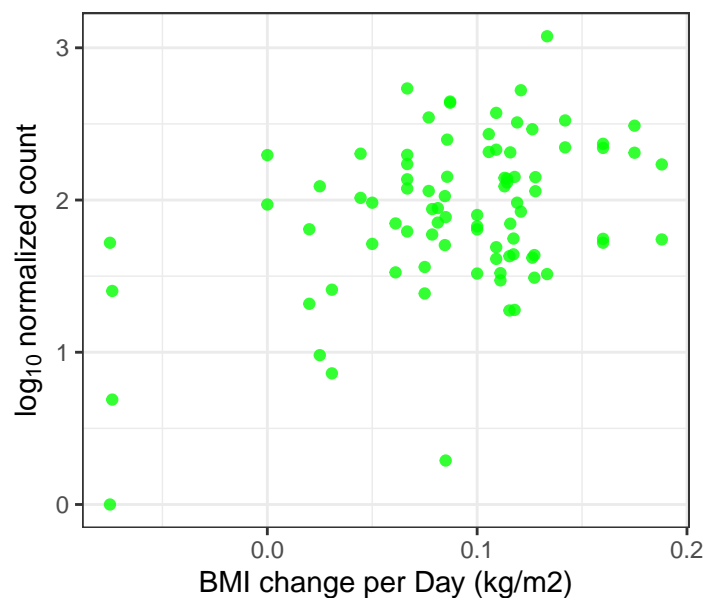
Castellaniella

p = 0.00919



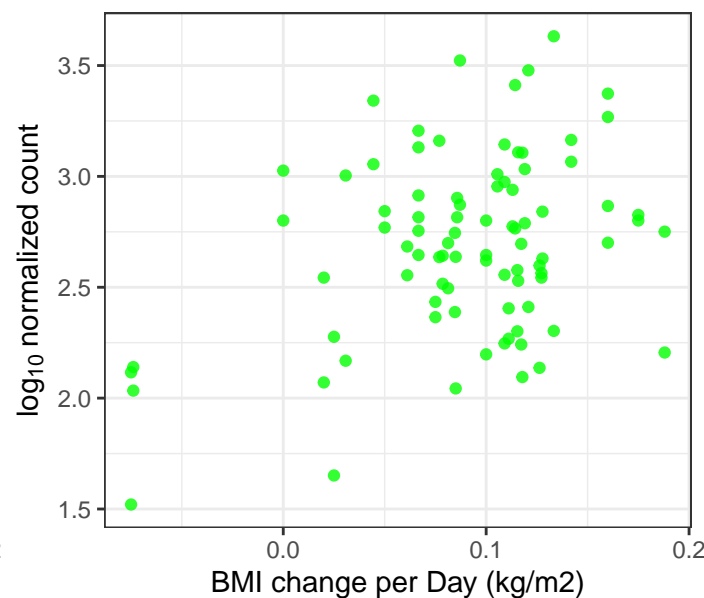
Hylemonella

p = 0.00919



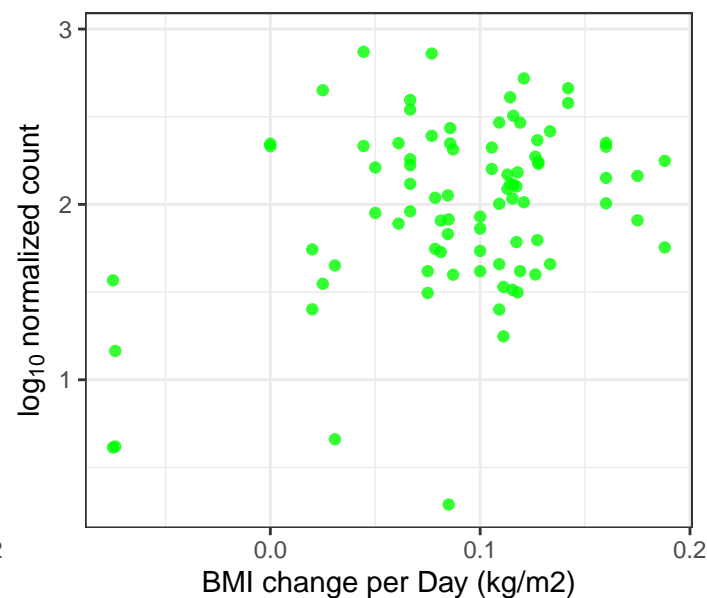
Nonomuraea

p = 0.00919



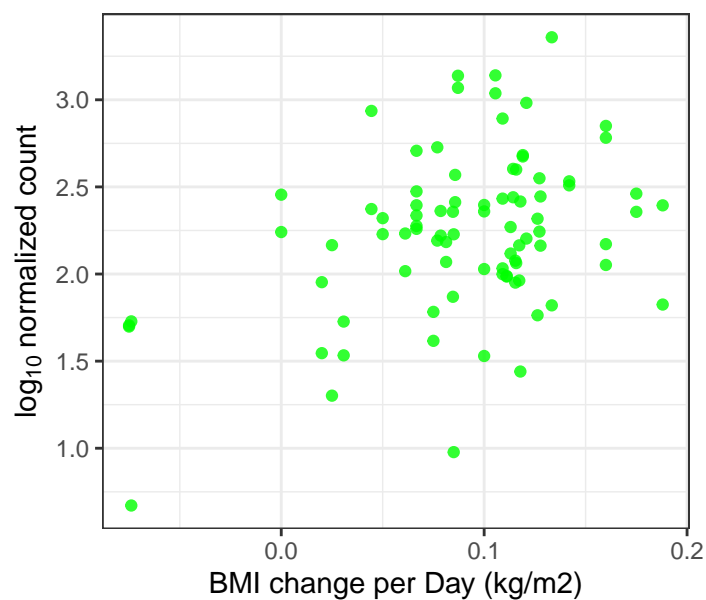
Thiohalobacter

p = 0.00919



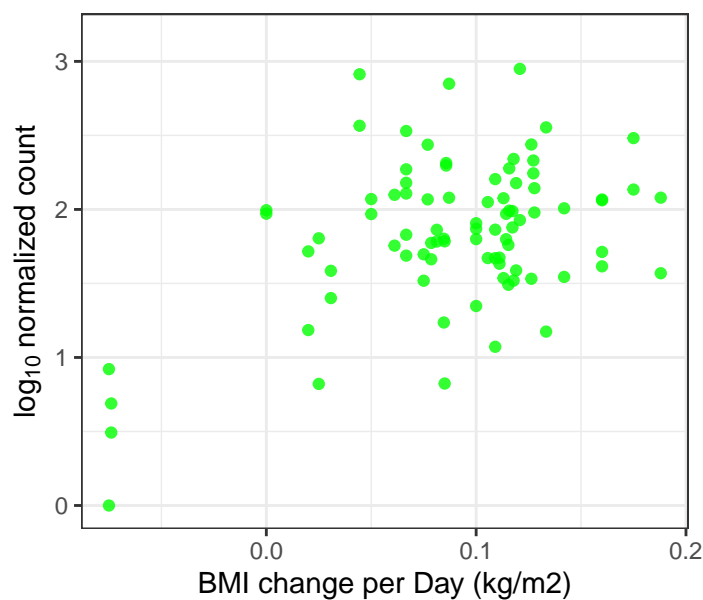
Unclassified Pseudomonadaceae Fami

p = 0.00919



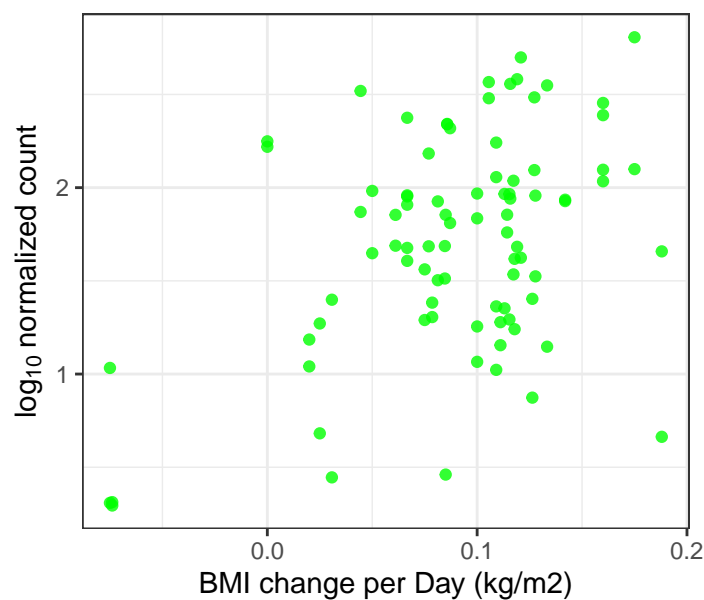
Aquaspirillum

p = 0.0093



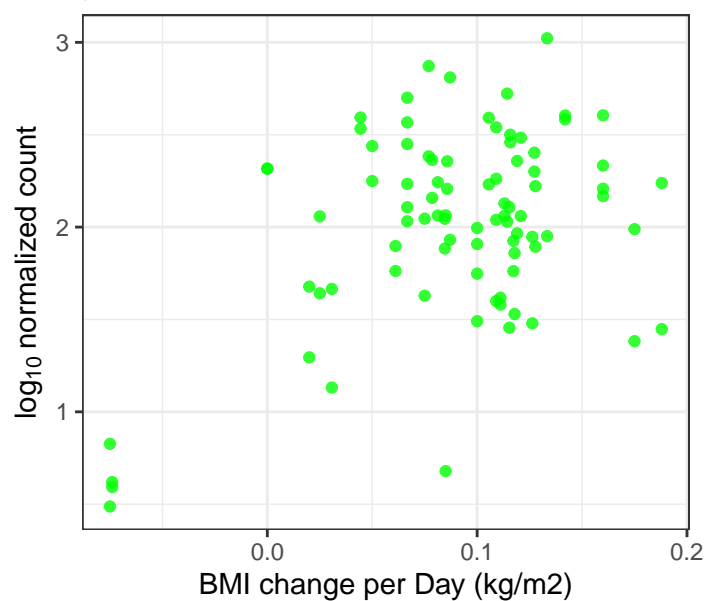
Halorussus

p = 0.0093



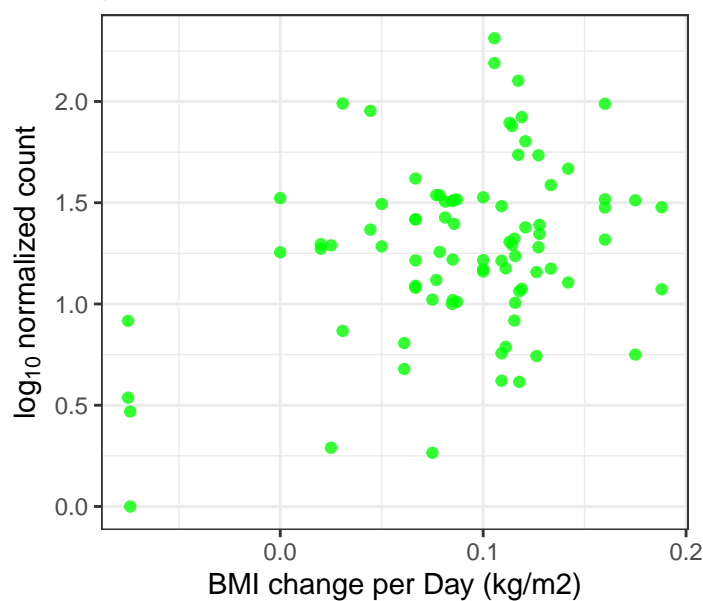
Nordella

p = 0.0093



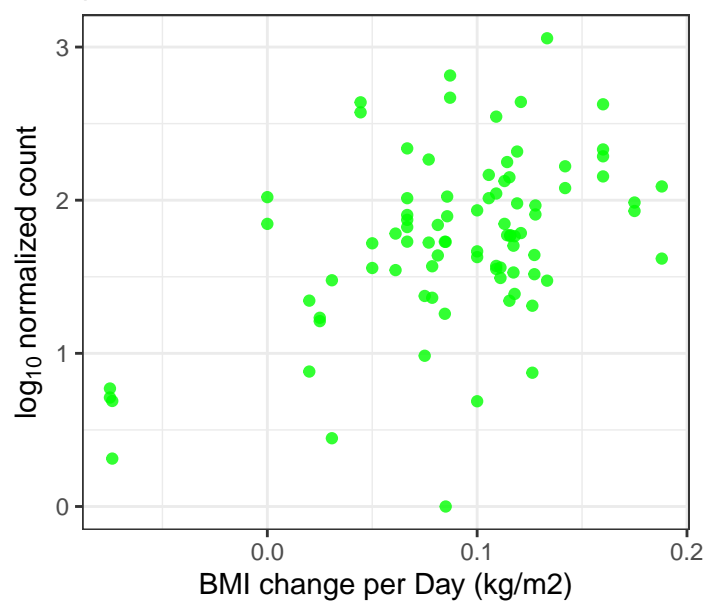
Unclassified Halieaceae Family

p = 0.0093



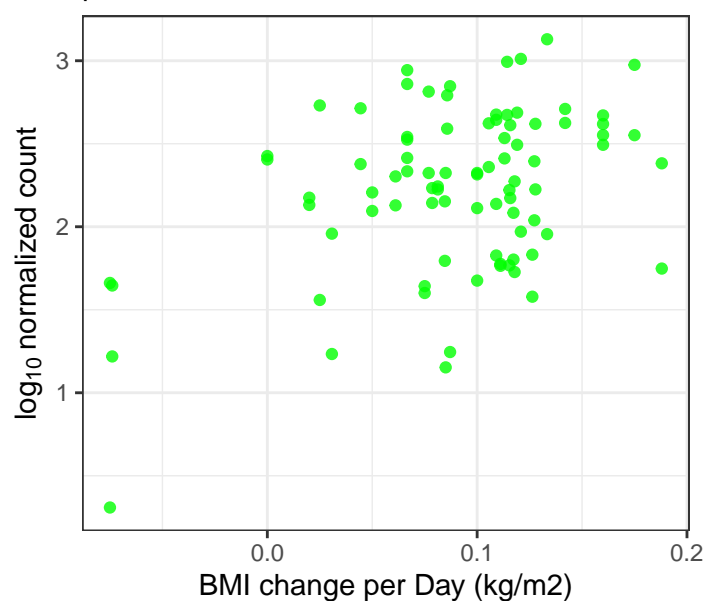
Isosphaera

p = 0.00932



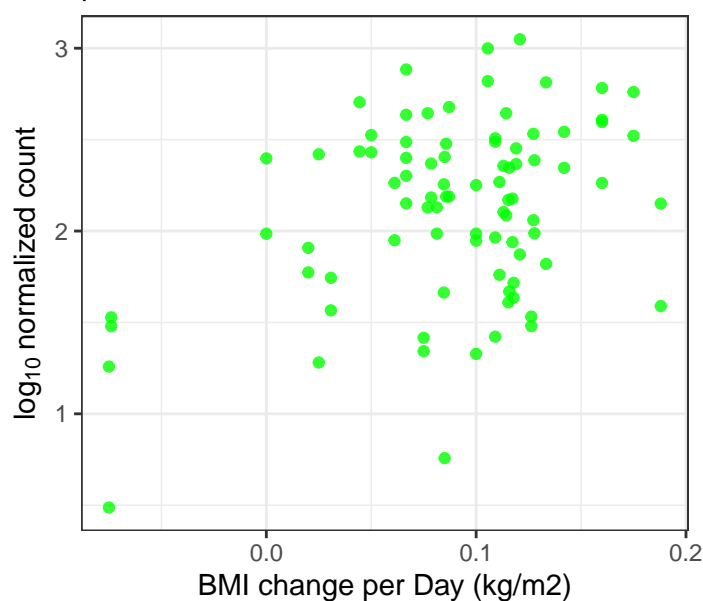
Desulfarculus

p = 0.00933



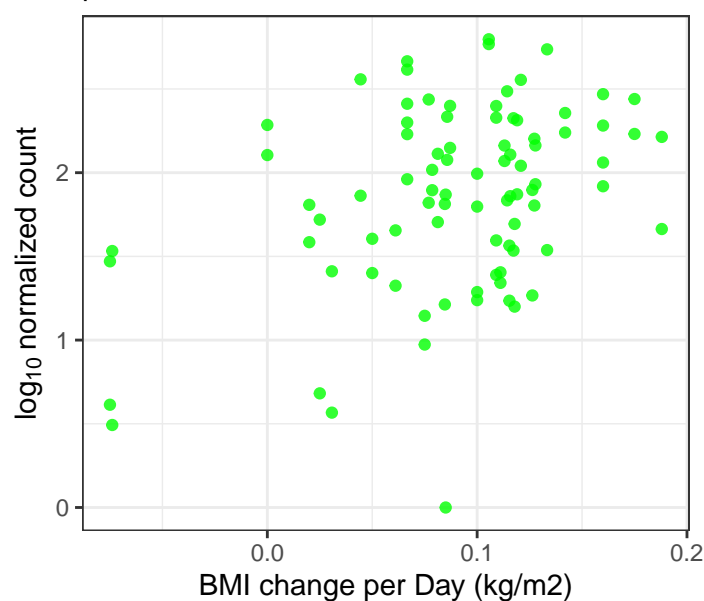
Desulfocurvibacter

p = 0.00933



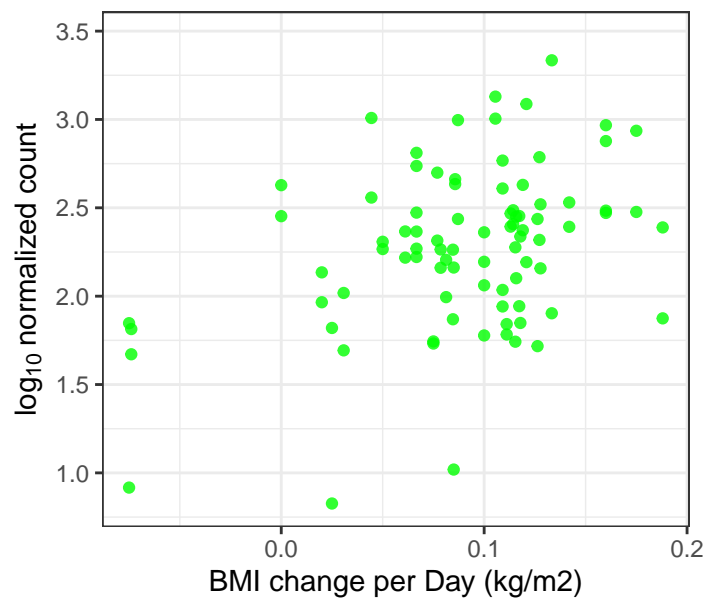
Sinomonas

p = 0.00938



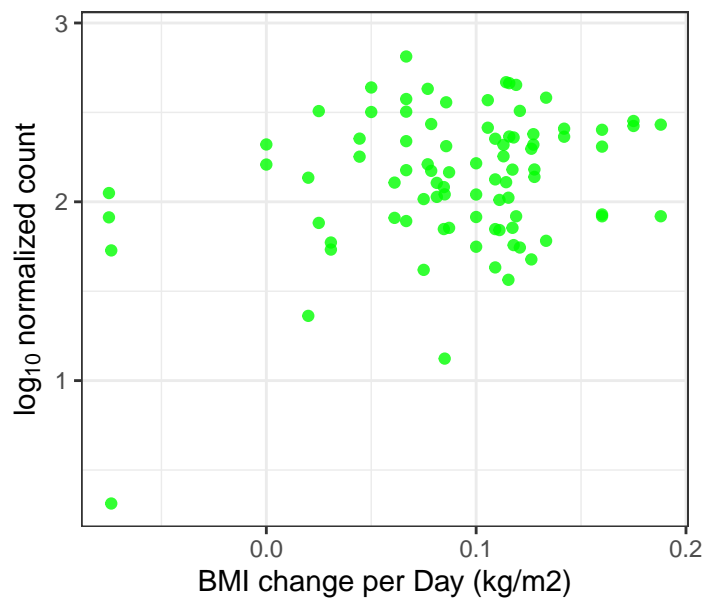
Nitrospirillum

p = 0.00957



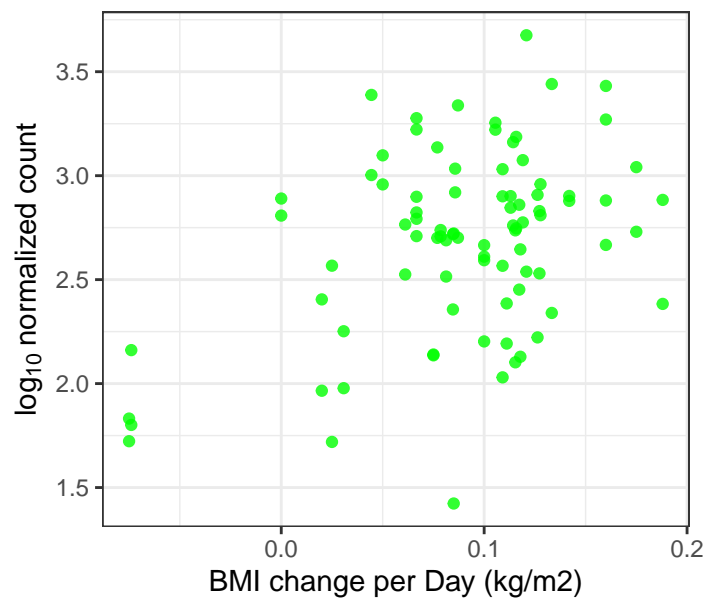
Paraoceanicella

p = 0.00975



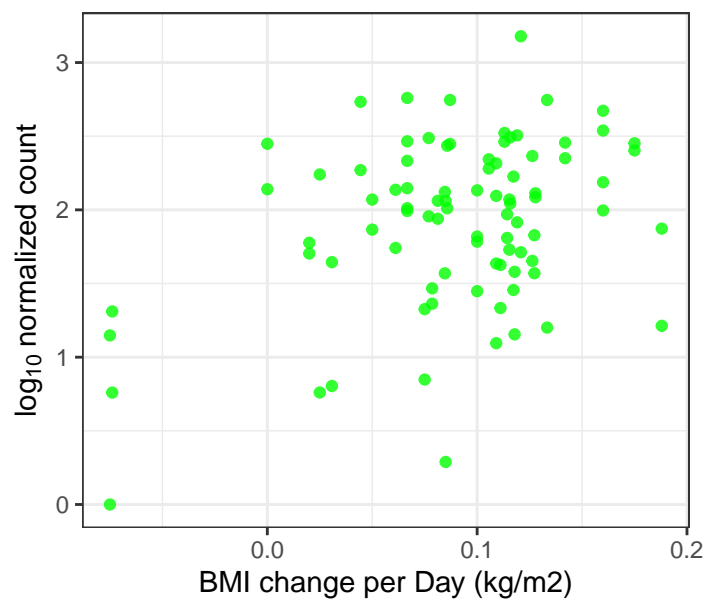
Unclassified Comamonadaceae Family

p = 0.00975



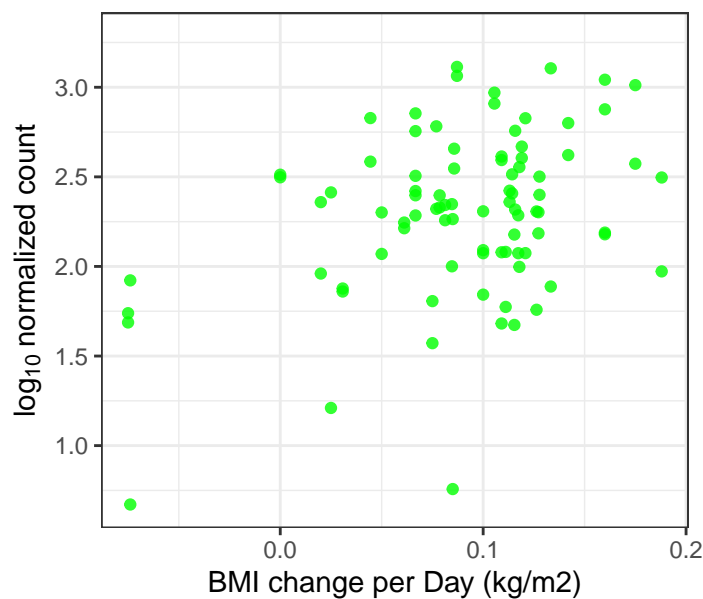
Miniimonas

p = 0.00993



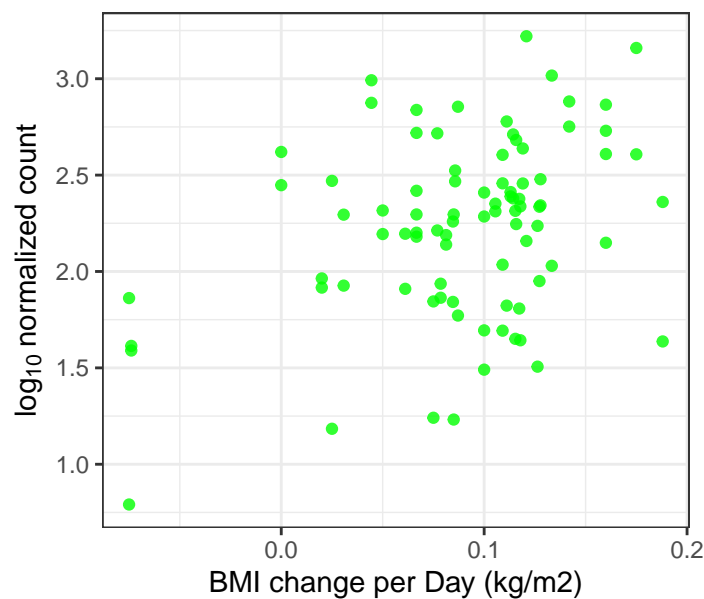
Pigmentiphaga

p = 0.0101



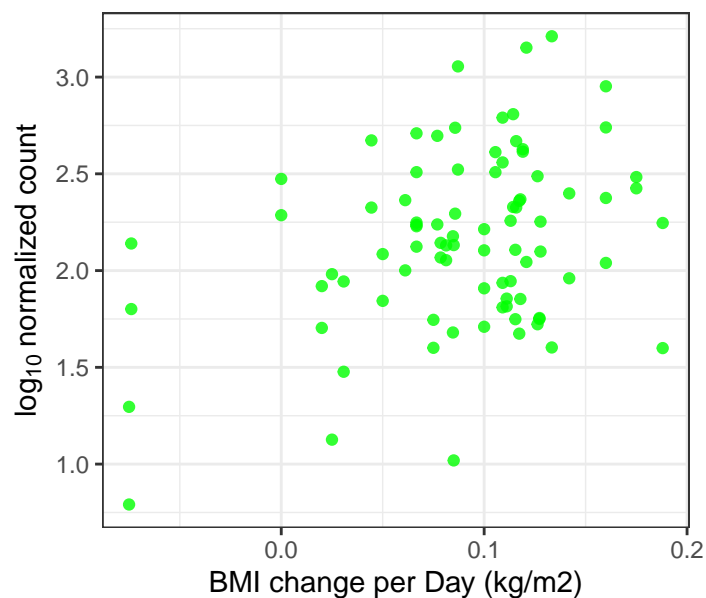
Pseudoxanthomonas

p = 0.0101



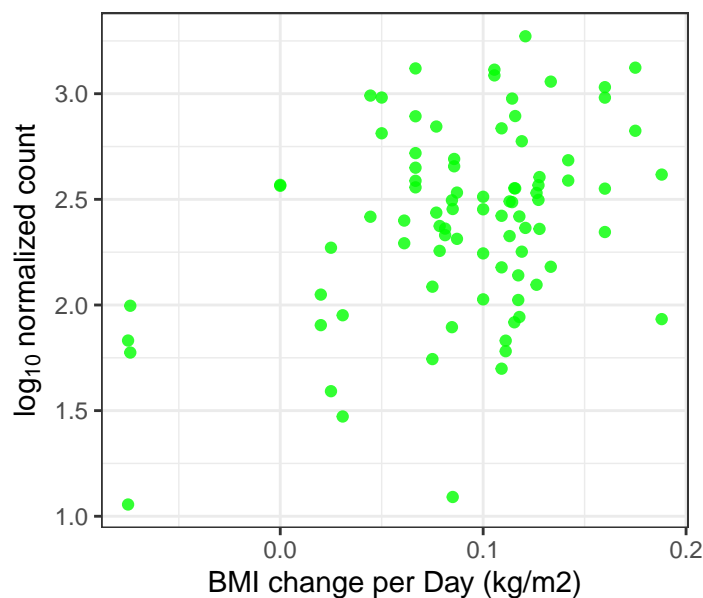
Luteitalea

p = 0.0101



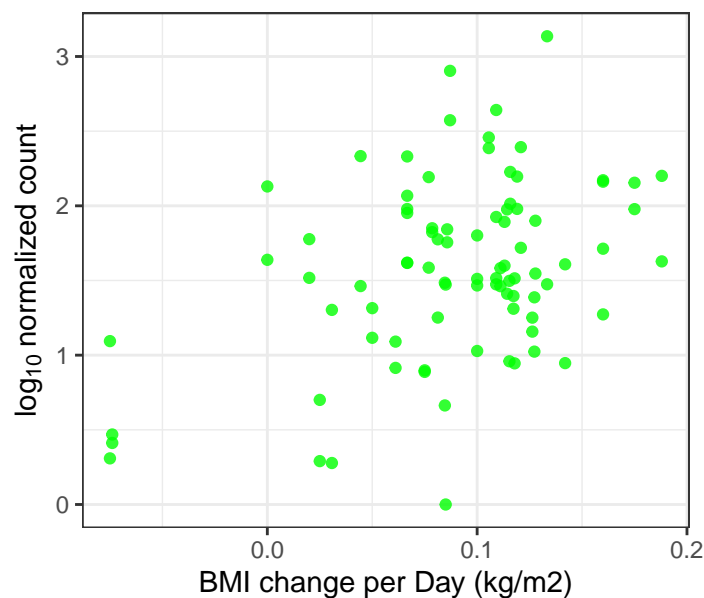
Planctomyces

p = 0.0101



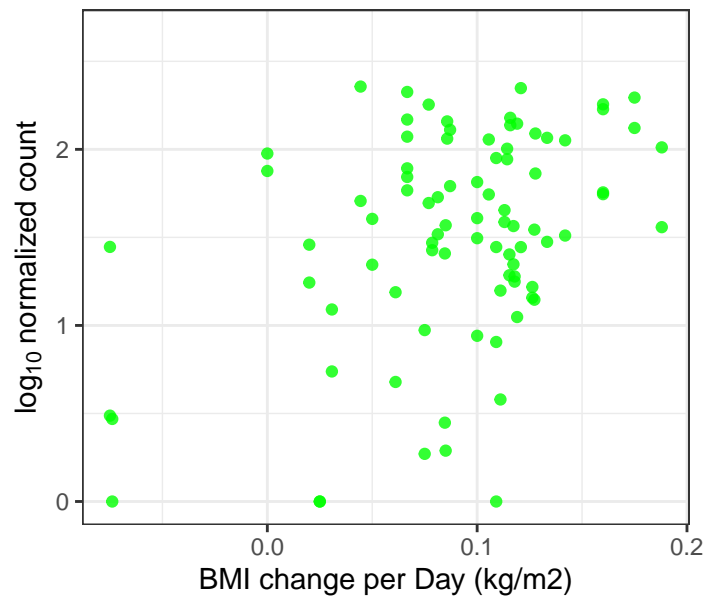
Protaetiibacter

p = 0.0101



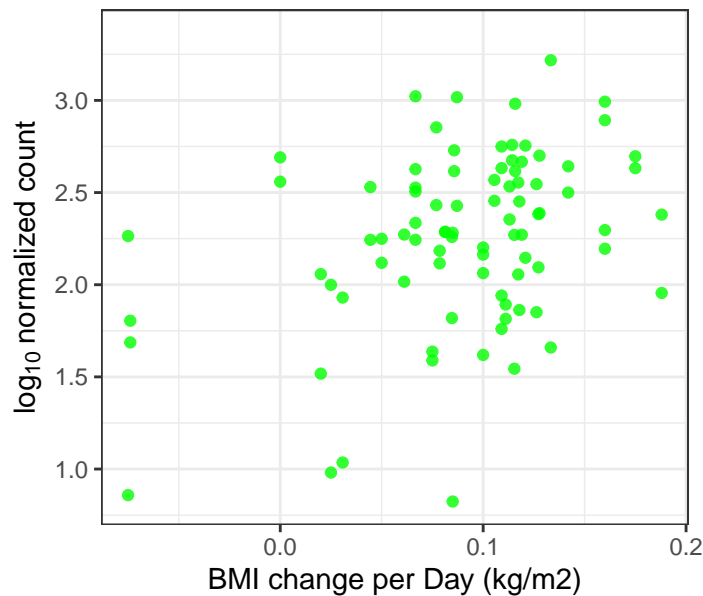
Unclassified Intrasporangiaceae Family

p = 0.0101



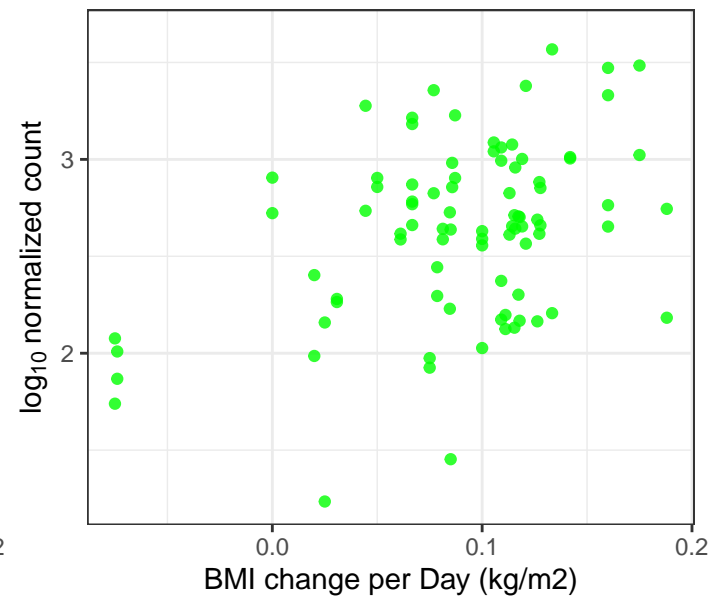
Gemmatirosa

p = 0.0101



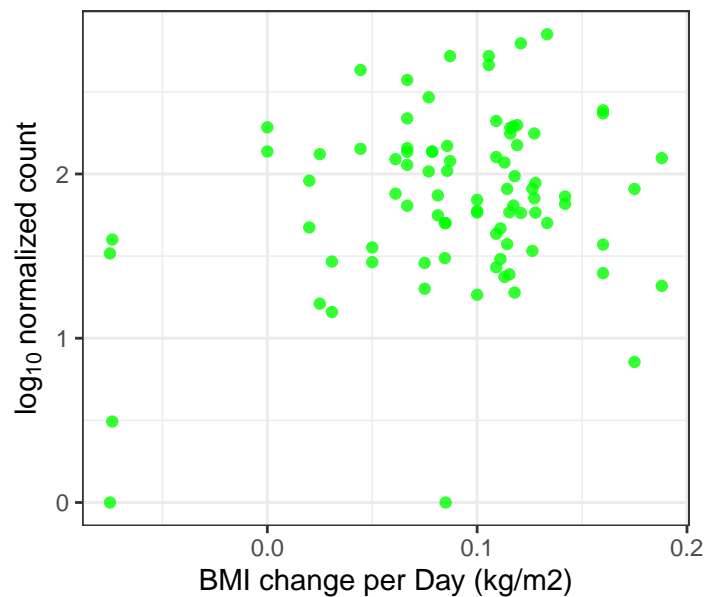
Symbiobacterium

p = 0.0101



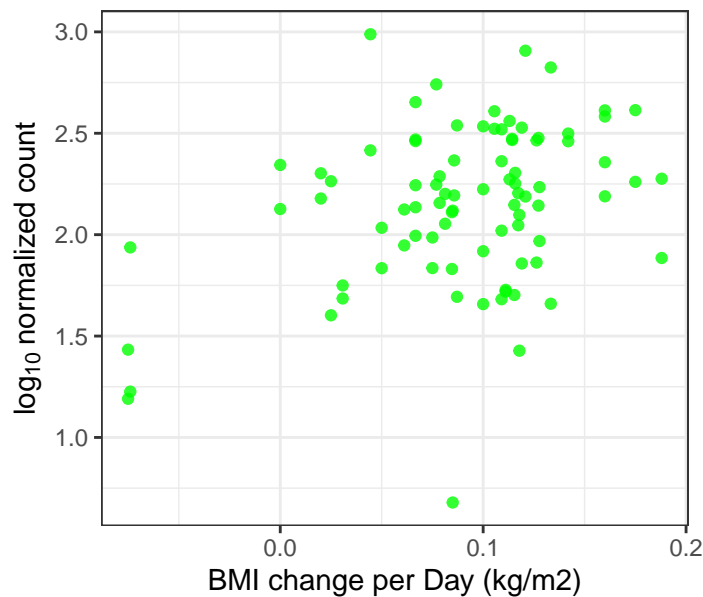
Tabrizicola

p = 0.0101



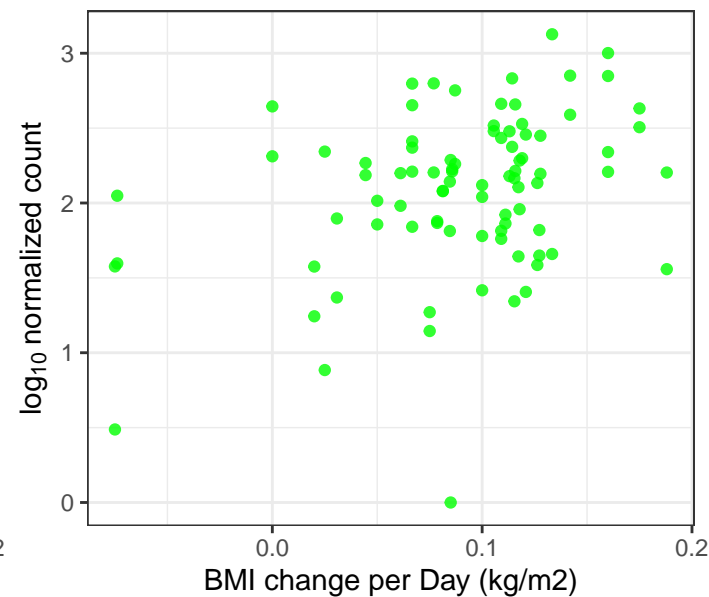
Geoalkalibacter

p = 0.0104



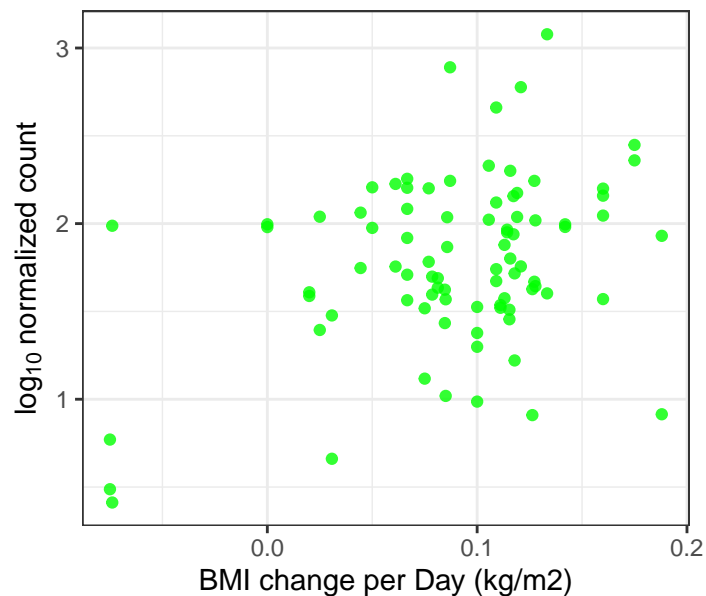
Isoptericola

p = 0.0104



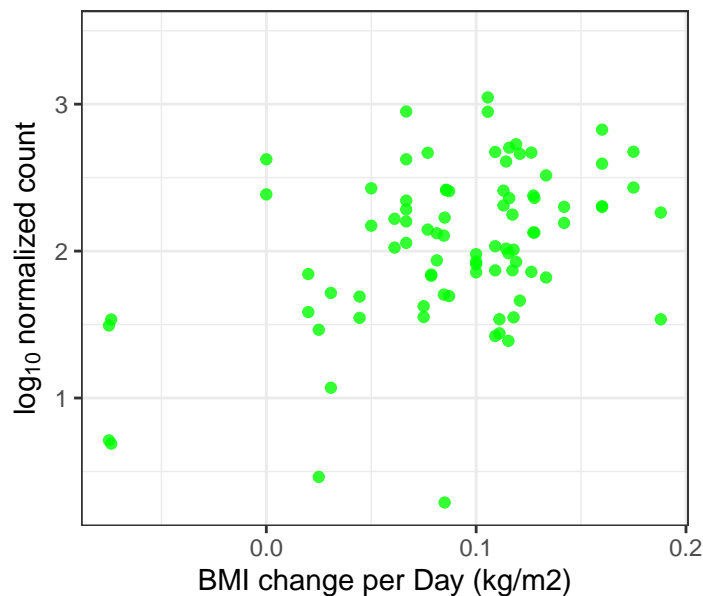
Polymorphum

p = 0.0106



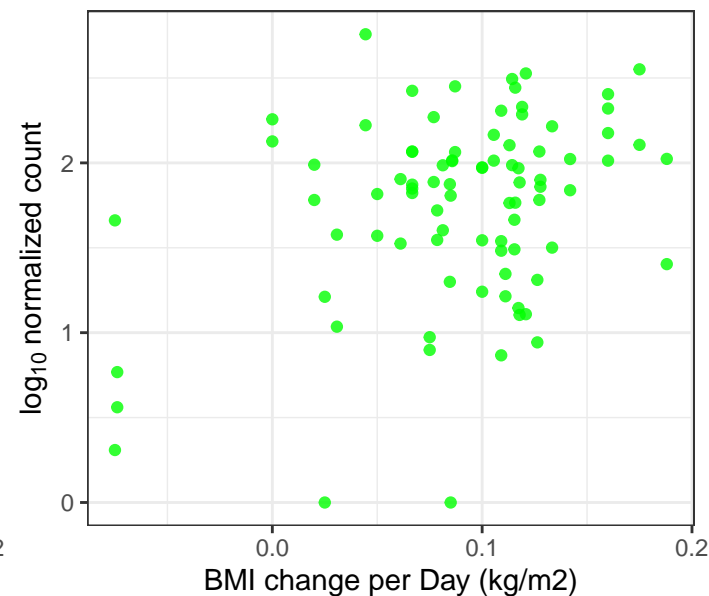
Unclassified Micromonosporaceae Famil

p = 0.0107



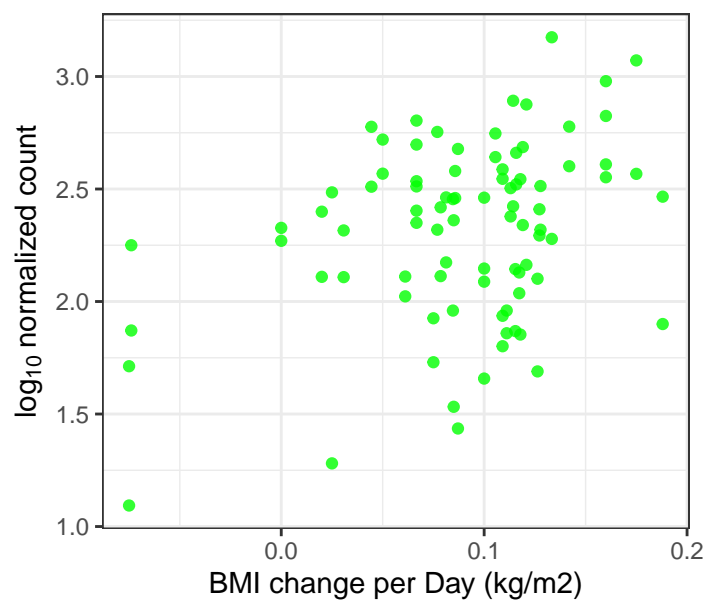
Citricoccus

p = 0.0109



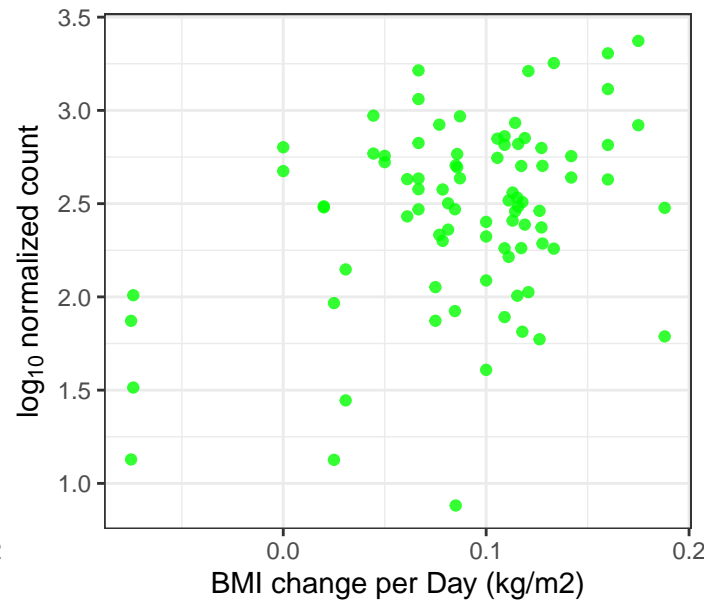
Nakamurella

p = 0.0109



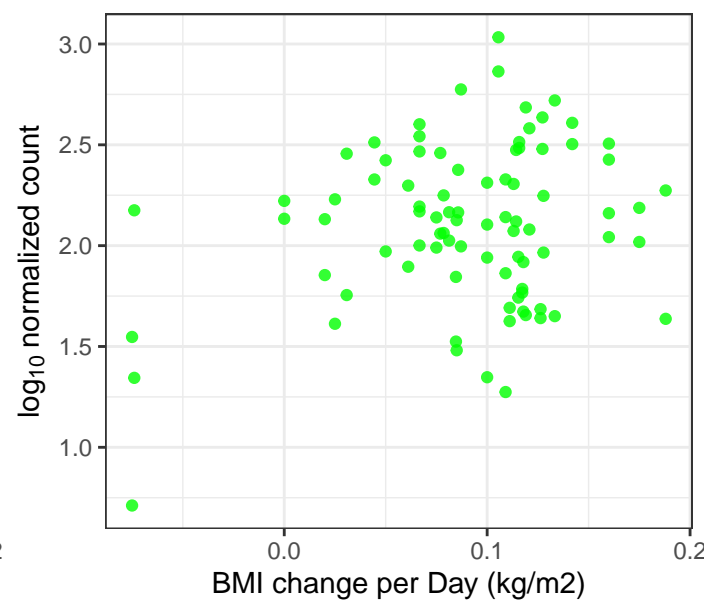
Unclassified Deltaproteobacteria Class

p = 0.011



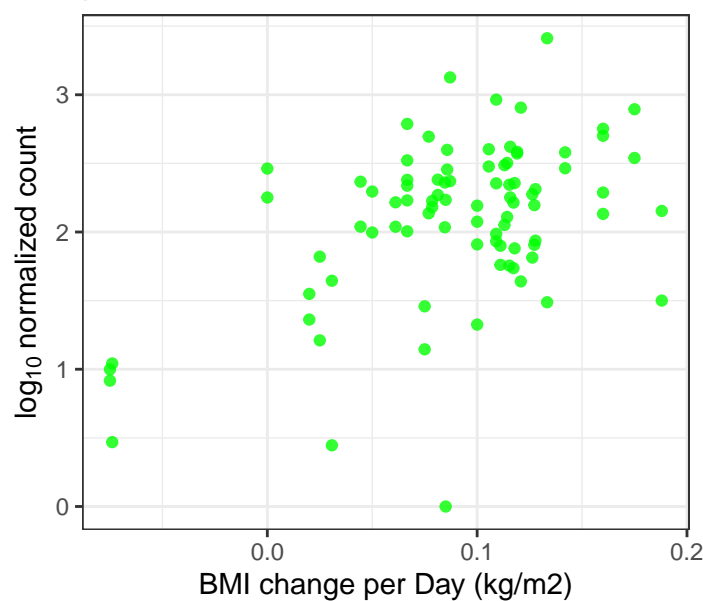
Unclassified Kiritimatiellaeota Phylum

p = 0.0113



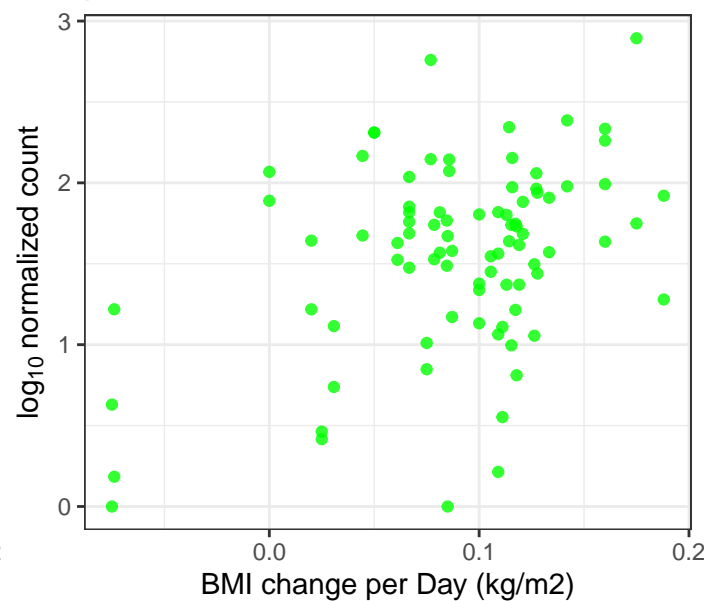
Unclassified Methylobacteriaceae Family

p = 0.0114



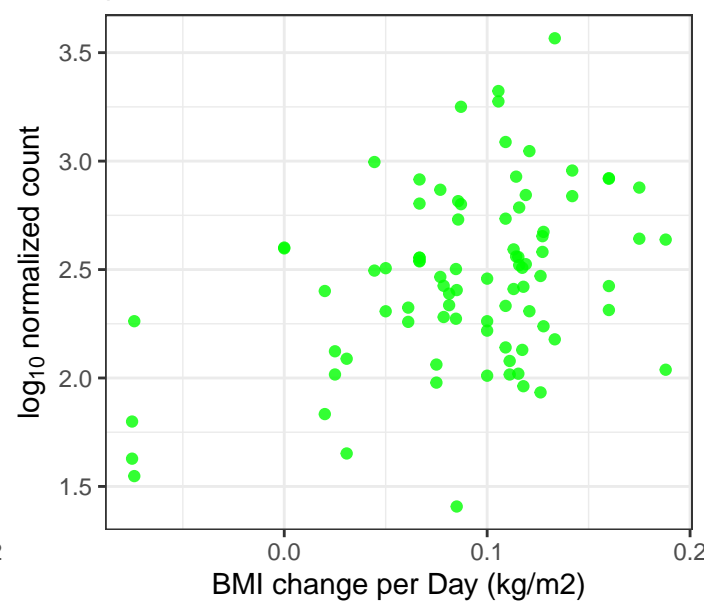
Candidatus Methanomethylophilus

p = 0.0114



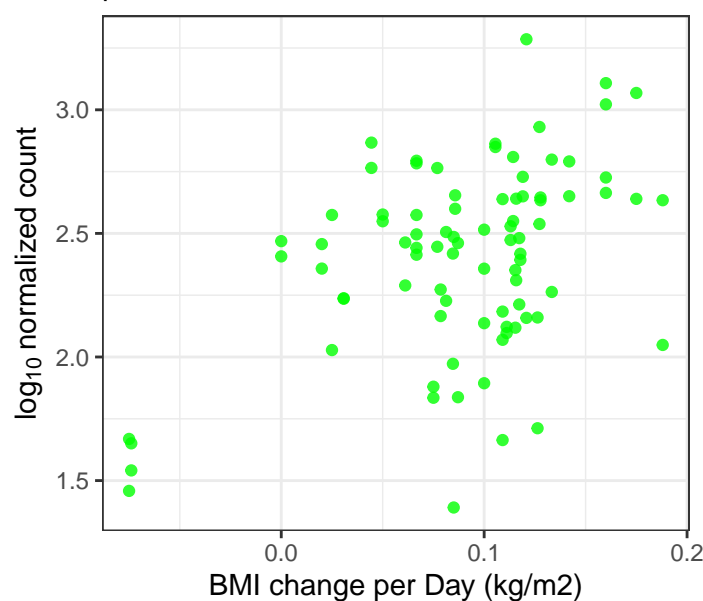
Chlorobaculum

p = 0.0115



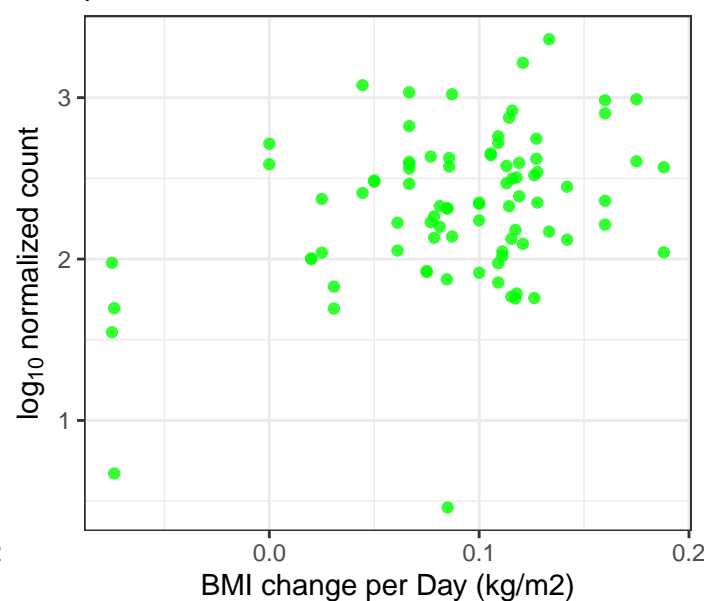
Desulfococcus

p = 0.0115



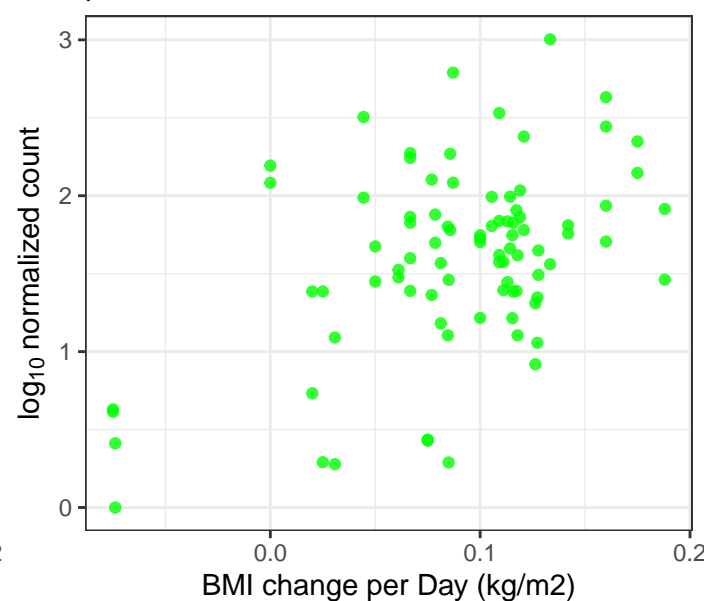
Mycolicibacter

p = 0.0115



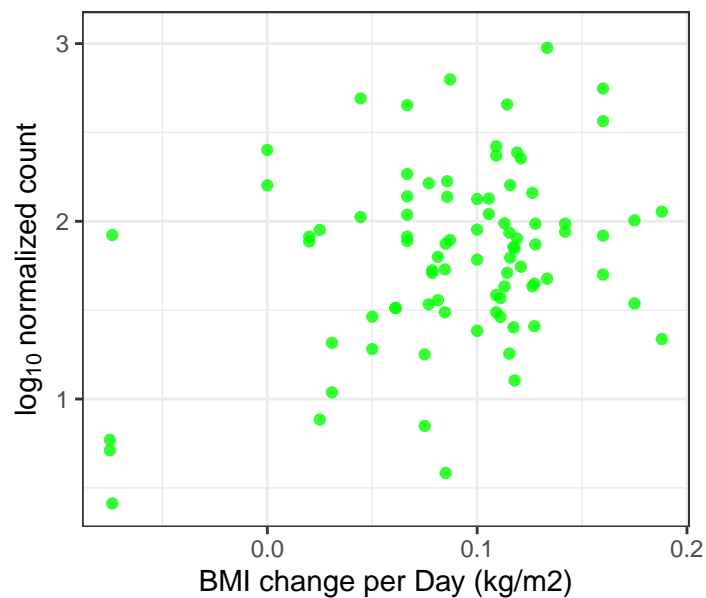
Aerosticca

p = 0.0116



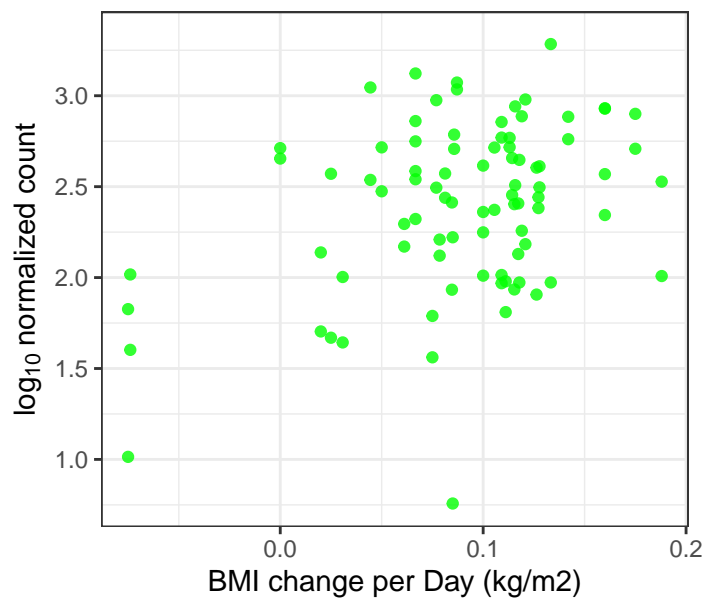
Aureimonas

p = 0.0116



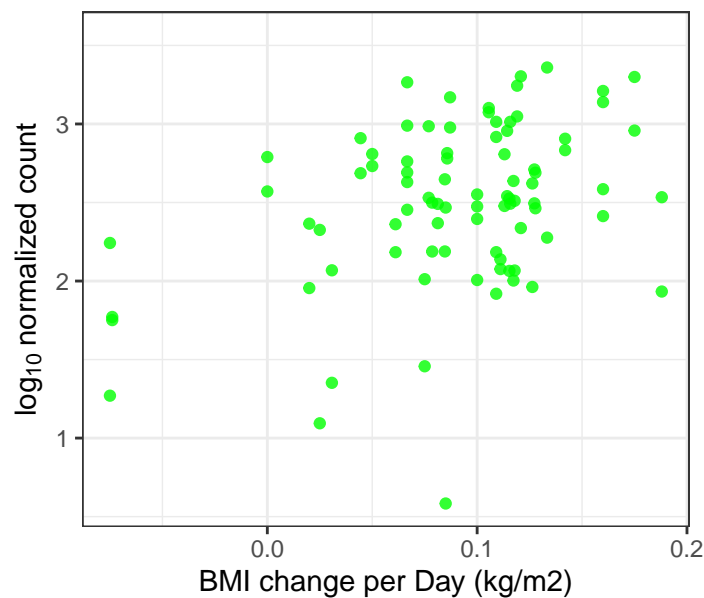
Phreatobacter

p = 0.0116



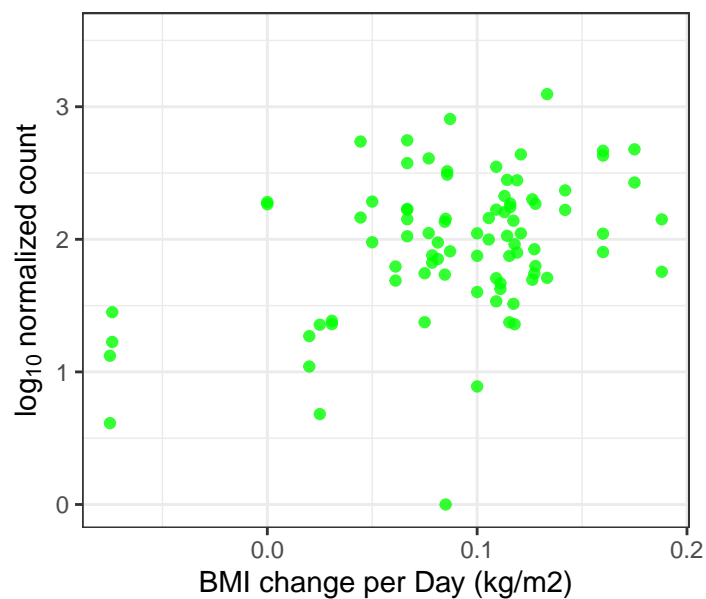
Saccharothrix

p = 0.0116



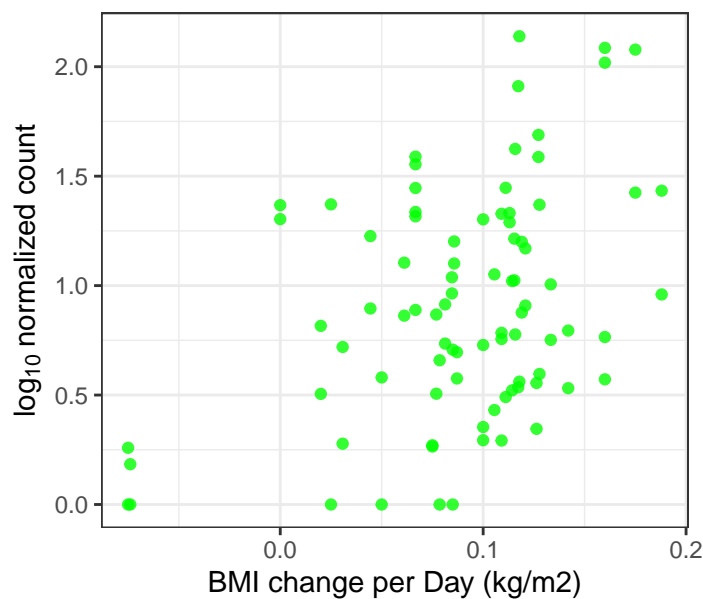
Egicoccus

p = 0.0117



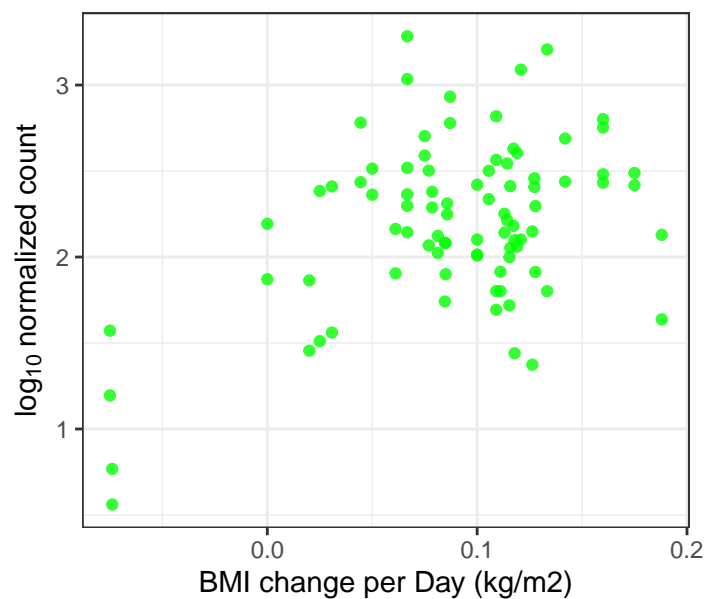
Natronobacterium

p = 0.0117



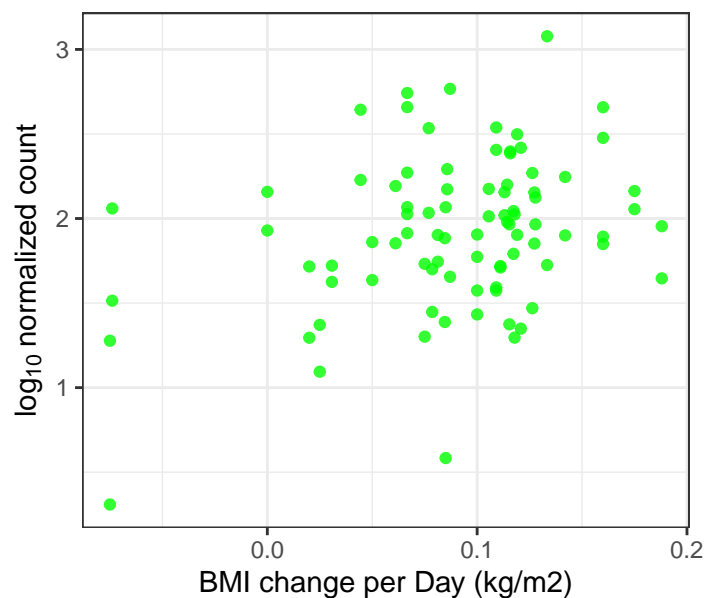
Indioceanicola

p = 0.0123



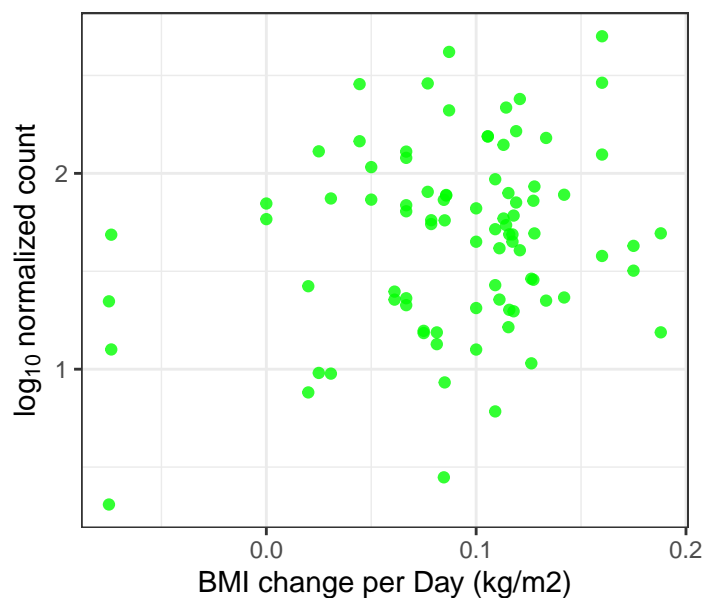
Kiritimatiella

p = 0.0133



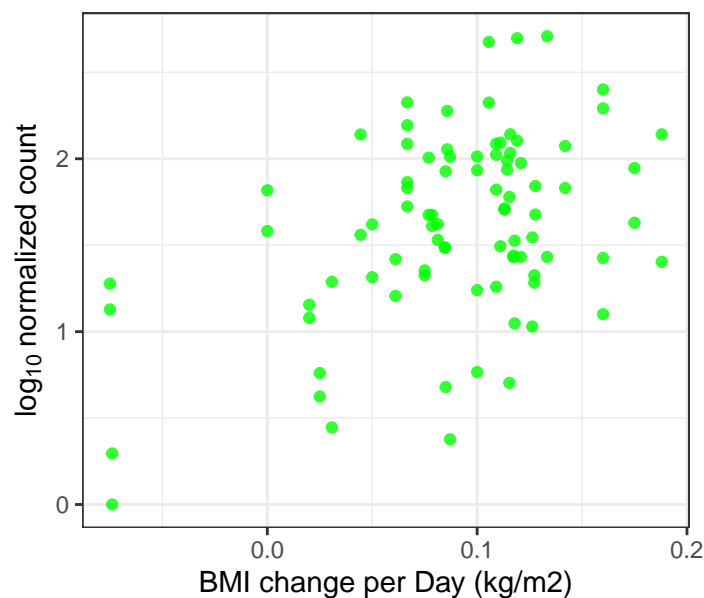
Simplicispira

p = 0.0136



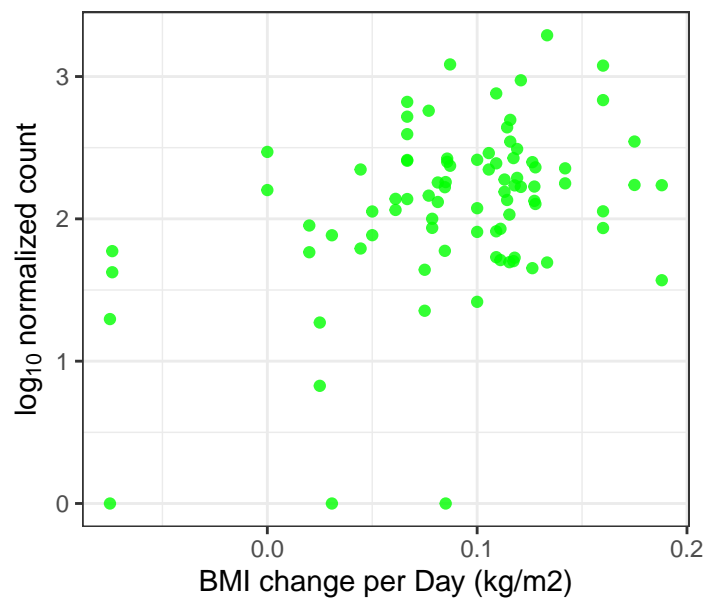
Frateuria

p = 0.0137



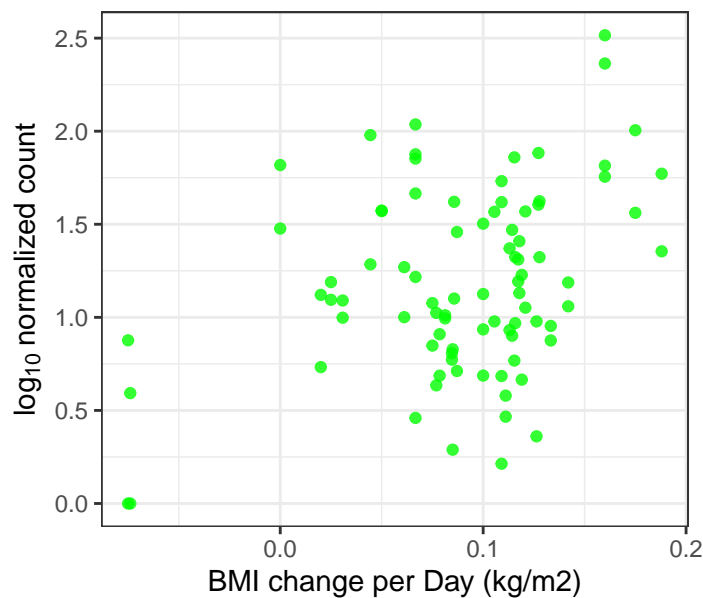
Sphaerobacter

p = 0.0141



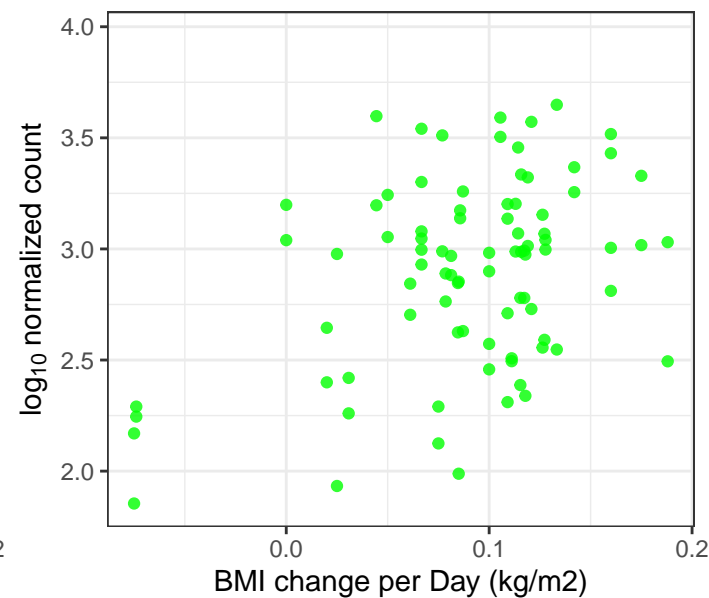
Thermoproteus

p = 0.0148



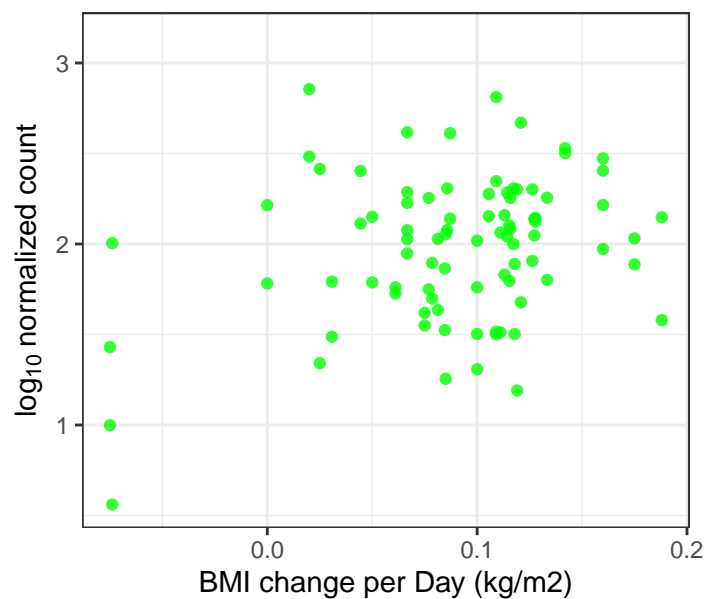
Acidovorax

p = 0.0152



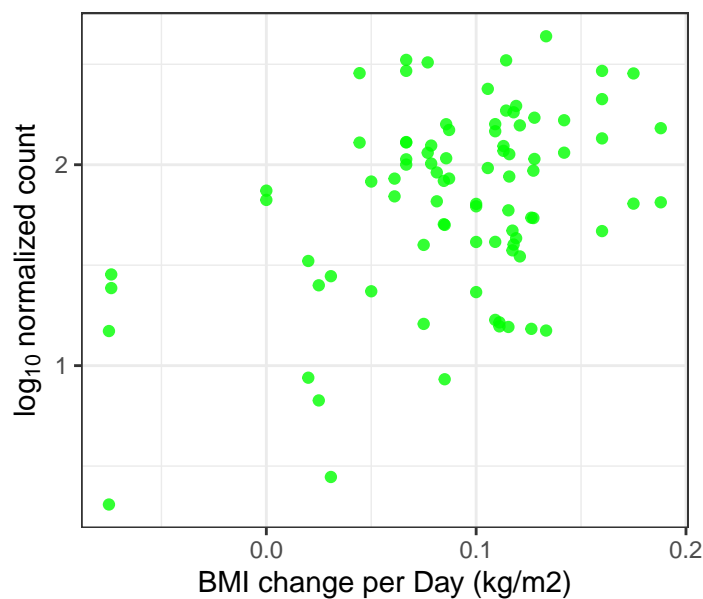
Cobetia

p = 0.0154



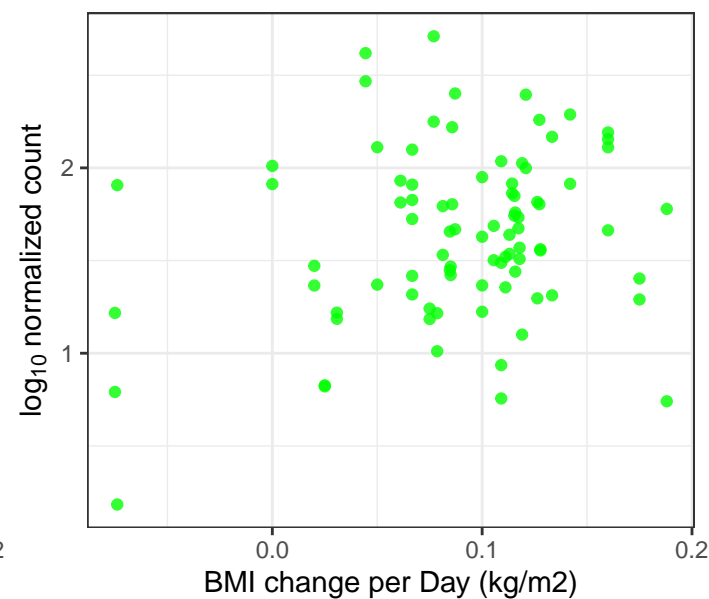
Unclassified Rhodocyclales Order

p = 0.0154



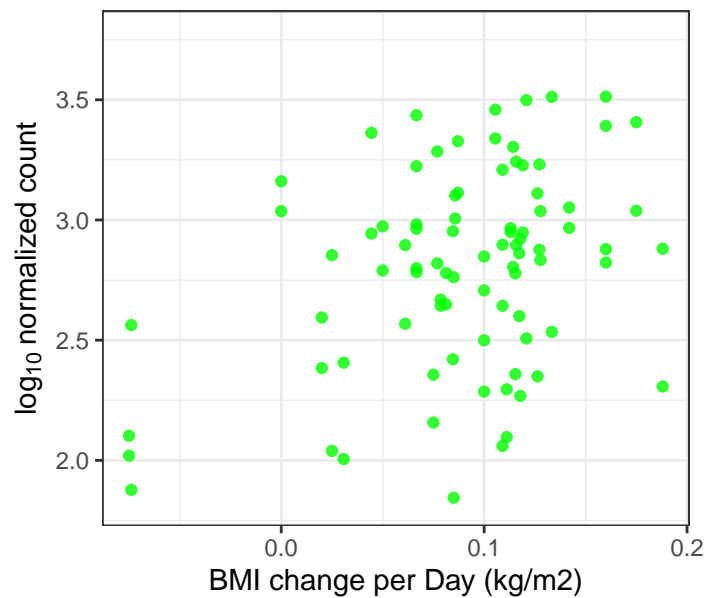
Ketobacter

p = 0.0156



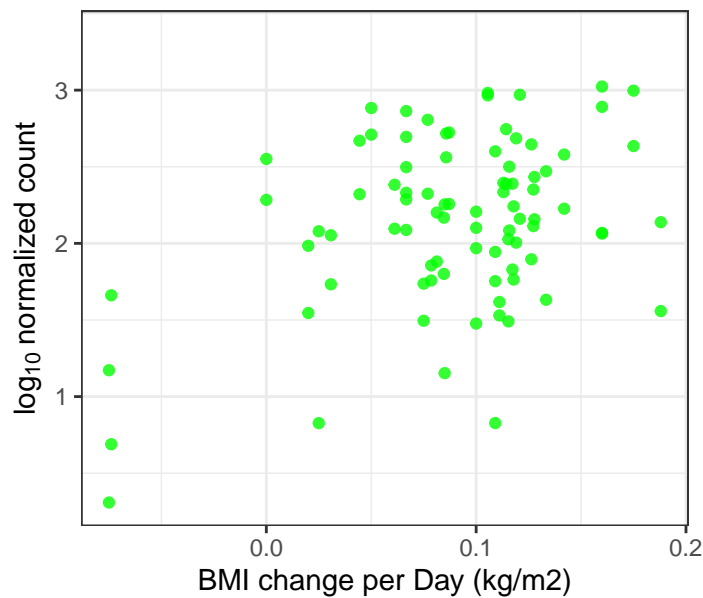
Hydrogenophaga

p = 0.0158



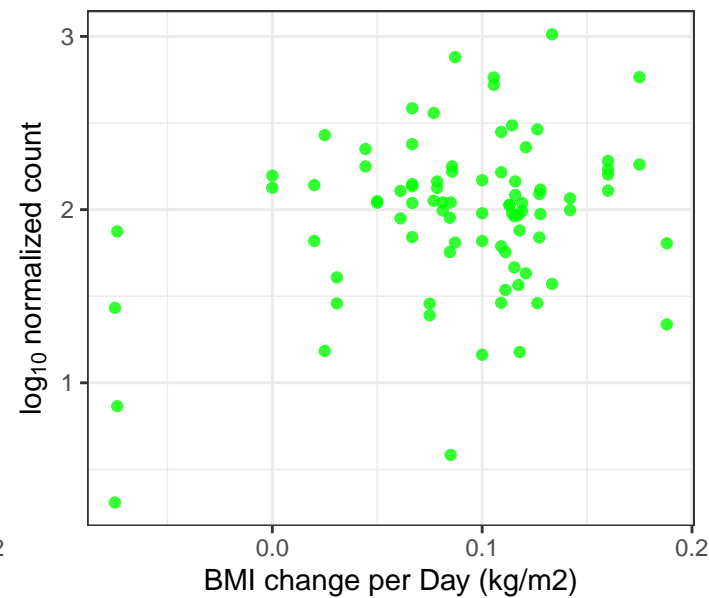
Melittangium

p = 0.0158



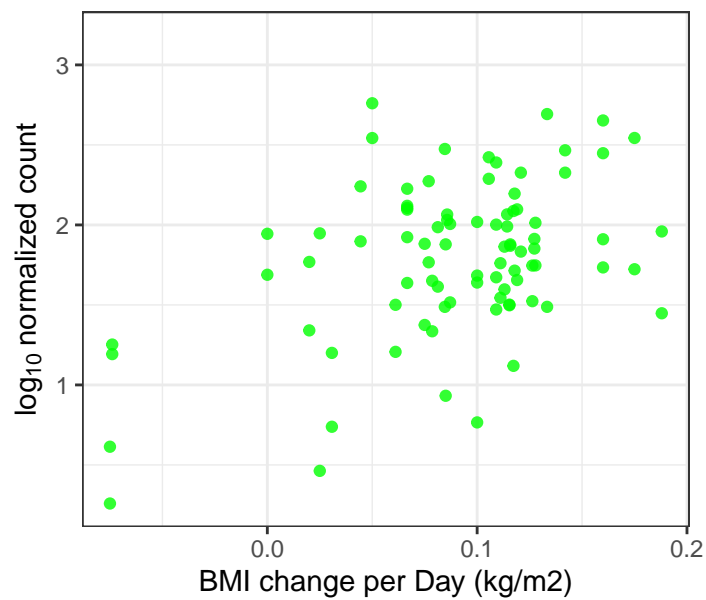
Methanoculleus

p = 0.0158



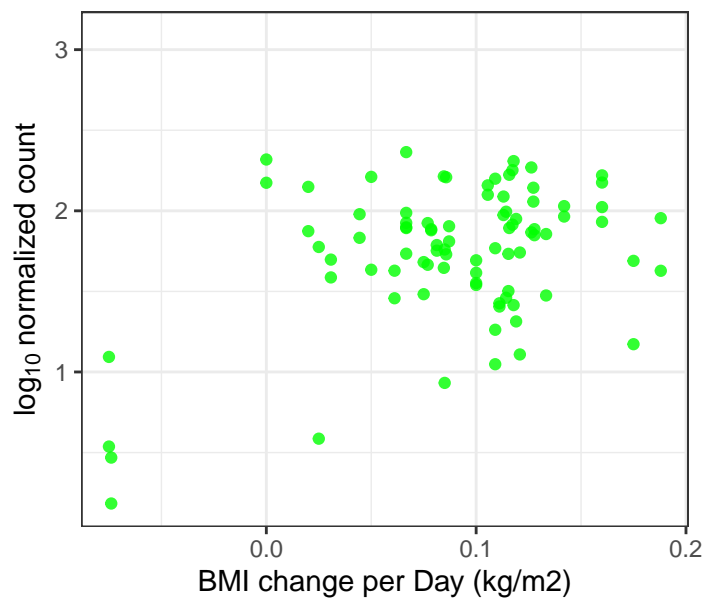
Monaibacterium

p = 0.0158



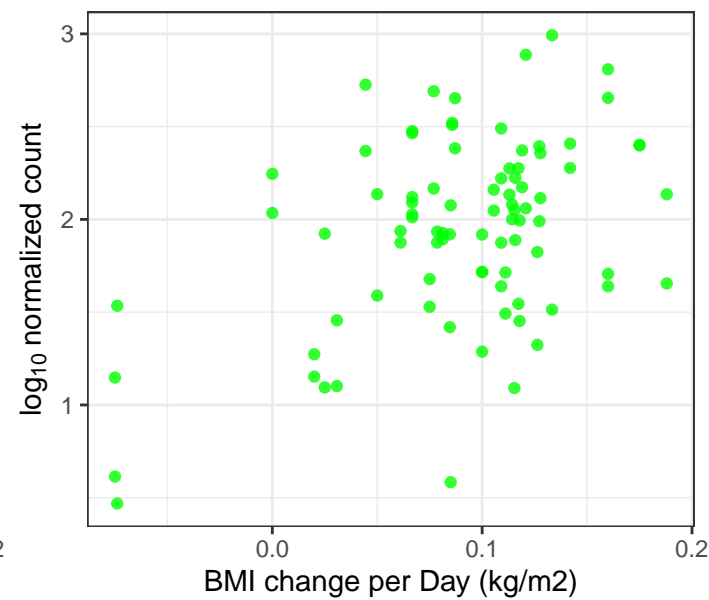
Rhodobaca

p = 0.0158



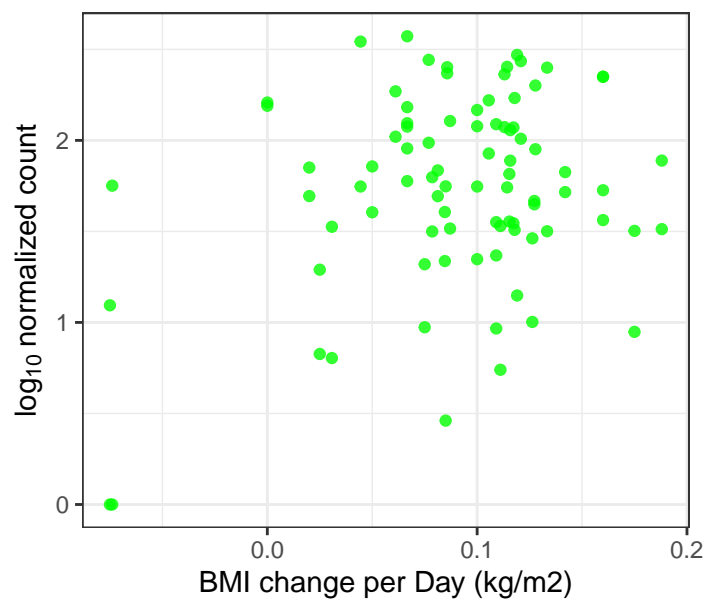
Rhodoplanes

p = 0.0158



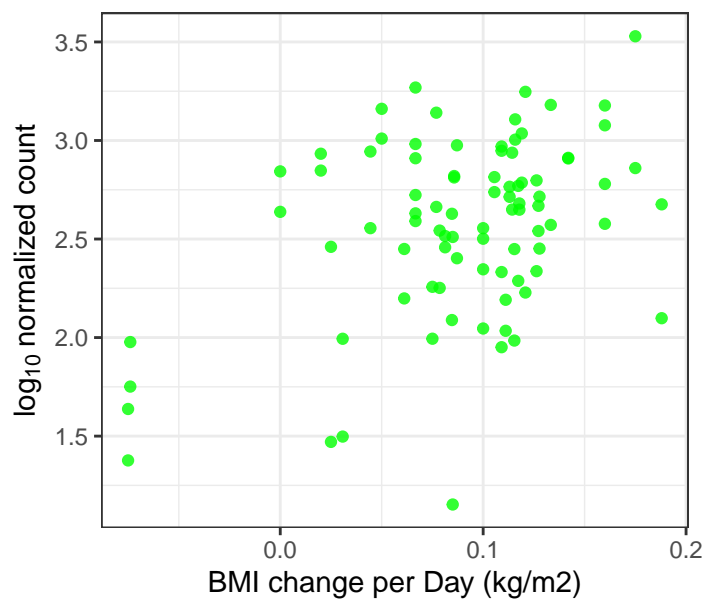
Roseimaritima

p = 0.0158



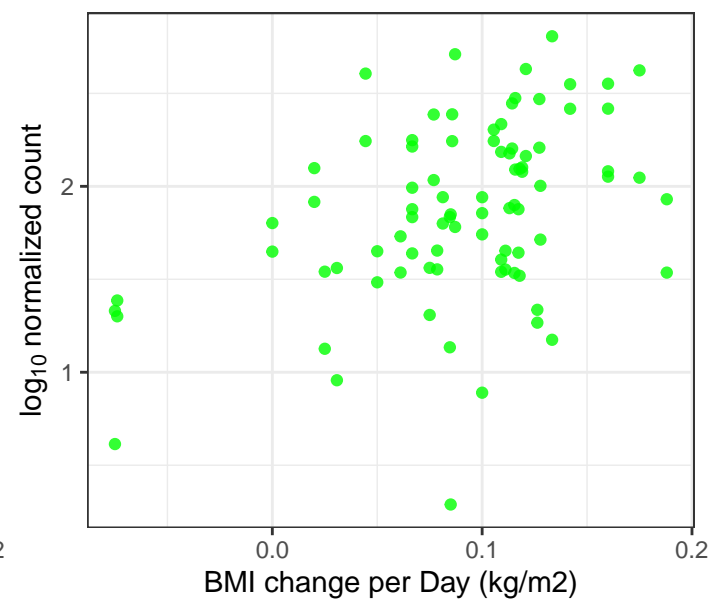
Streptosporangium

p = 0.0158



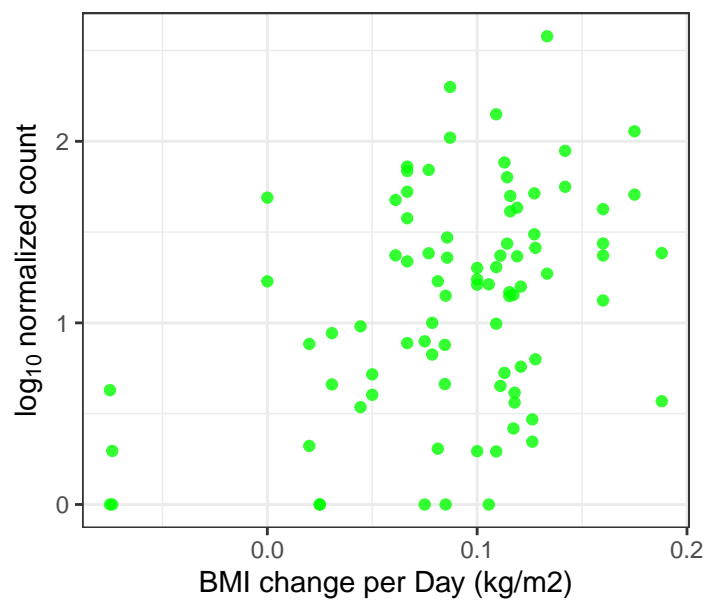
Unclassified Phycisphaerae Class

p = 0.0158



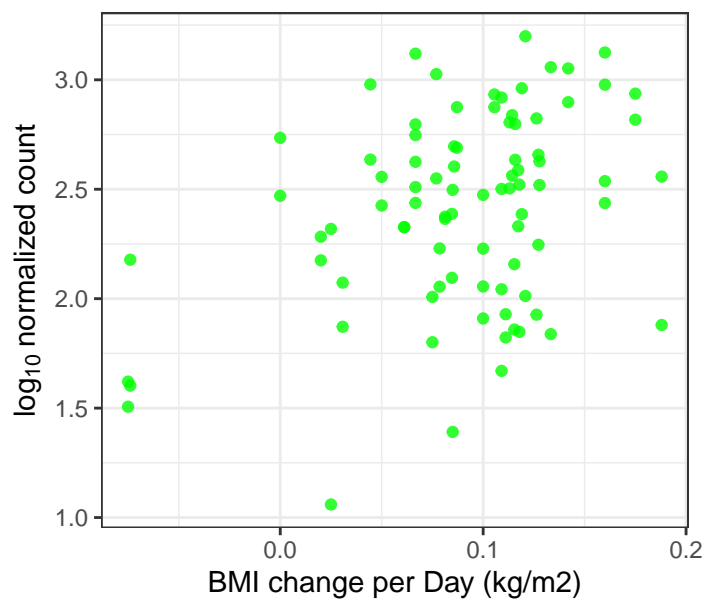
Unclassified Xanthobacteraceae Family

p = 0.0158



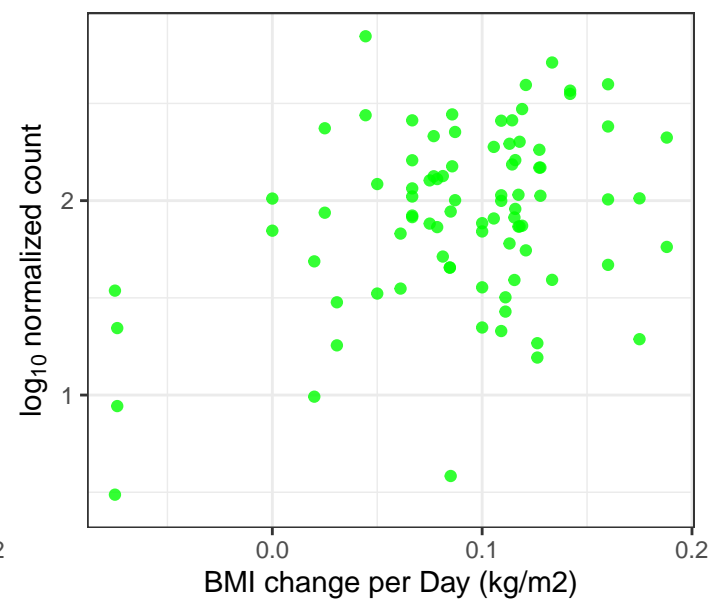
Unclassified Xanthomonadaceae Family

p = 0.0158



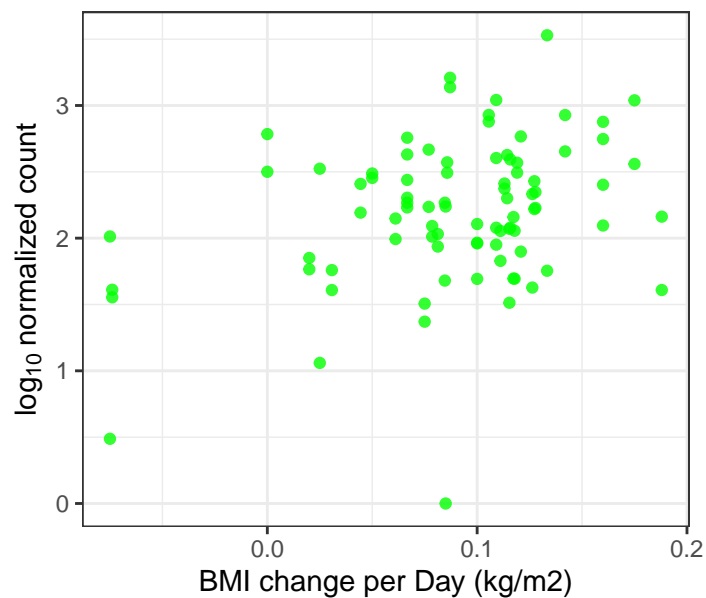
Verminephrobacter

p = 0.0158



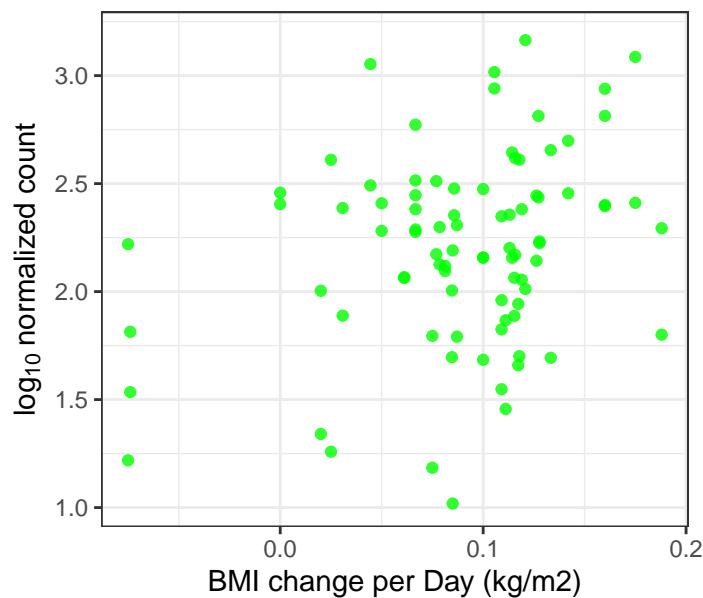
Catenulispora

p = 0.0158



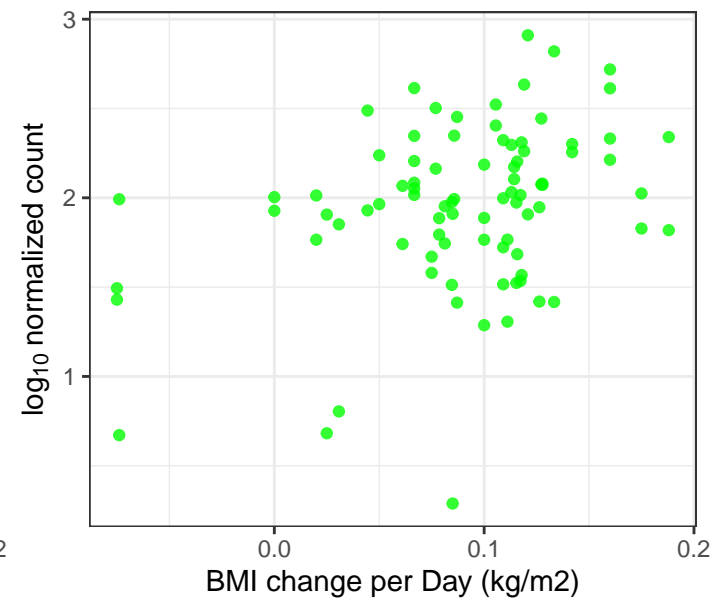
Zobellella

p = 0.0158



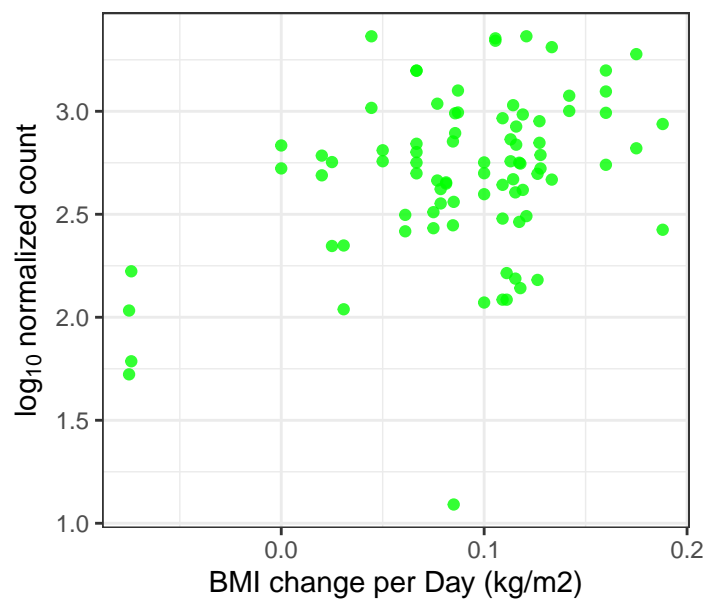
Geitlerinema

p = 0.0159



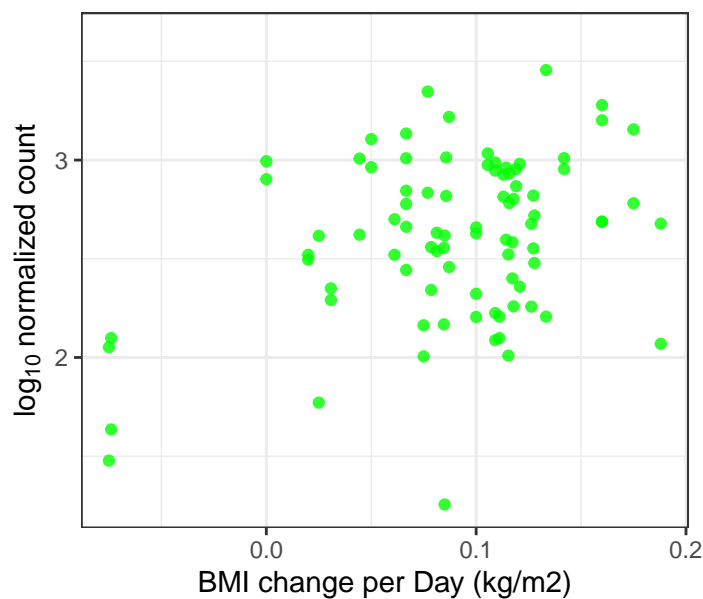
Pseudarthrobacter

p = 0.016



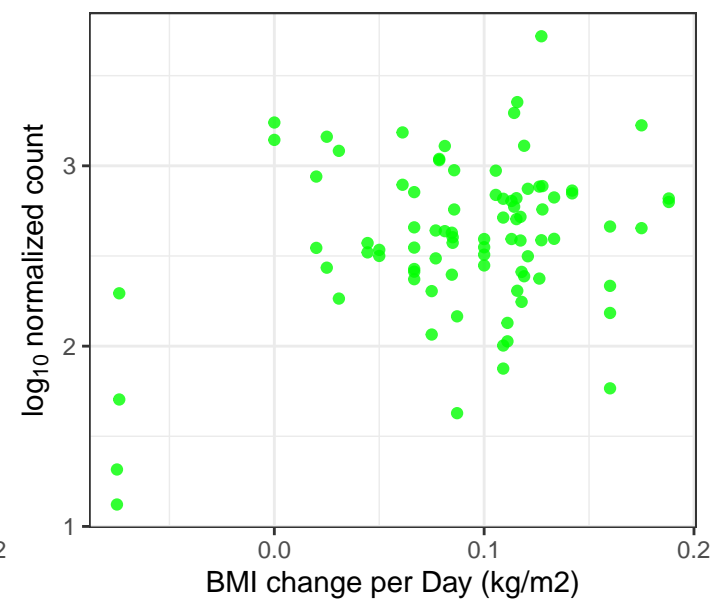
Tessaracoccus

p = 0.016



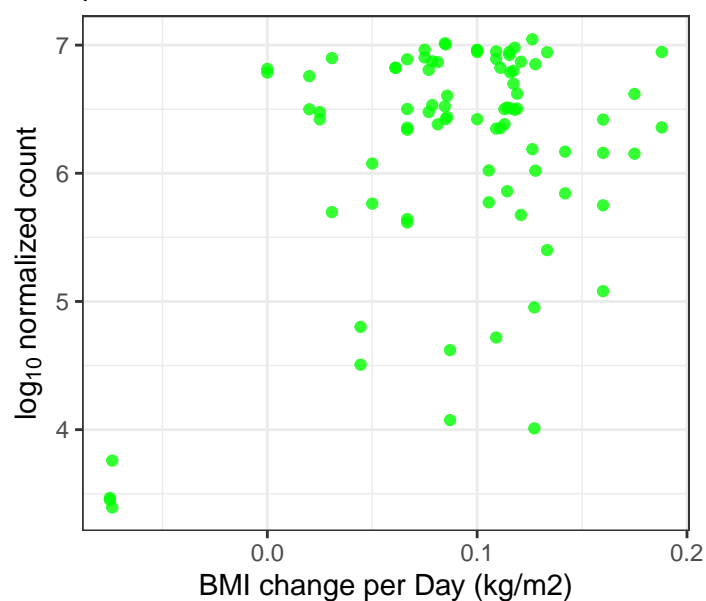
Alloprevotella

p = 0.0164



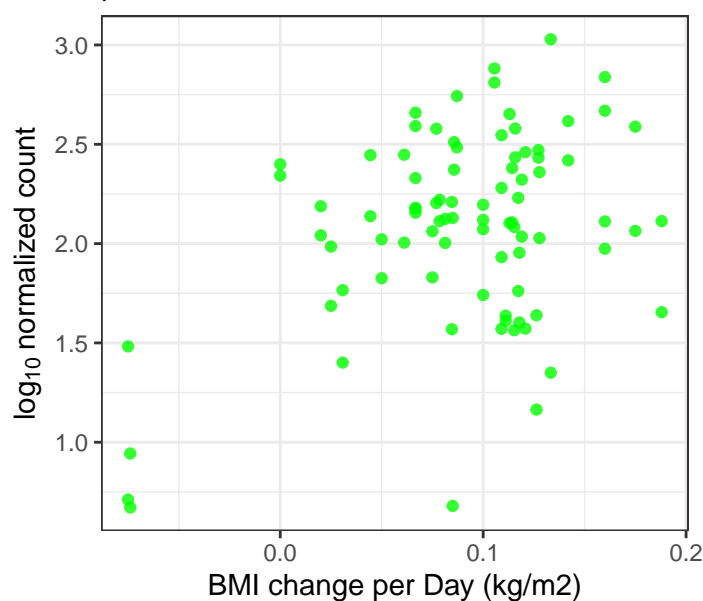
Bacteroides

p = 0.0164



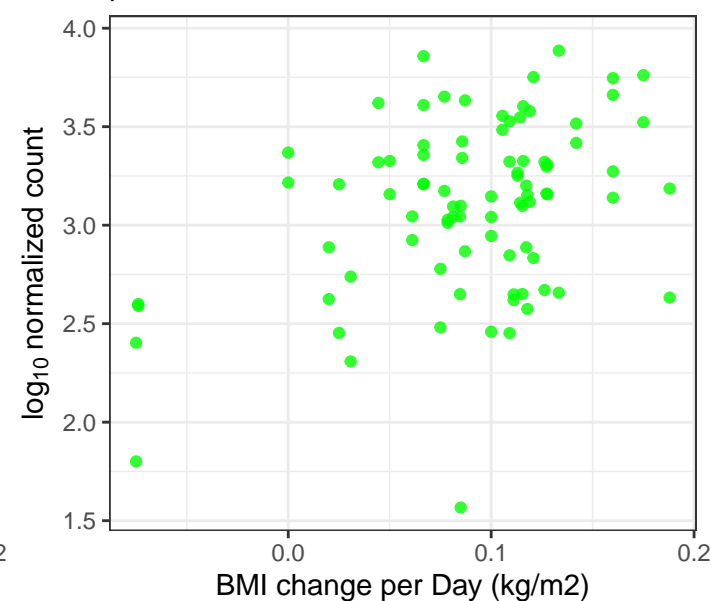
Chondromyces

p = 0.0164



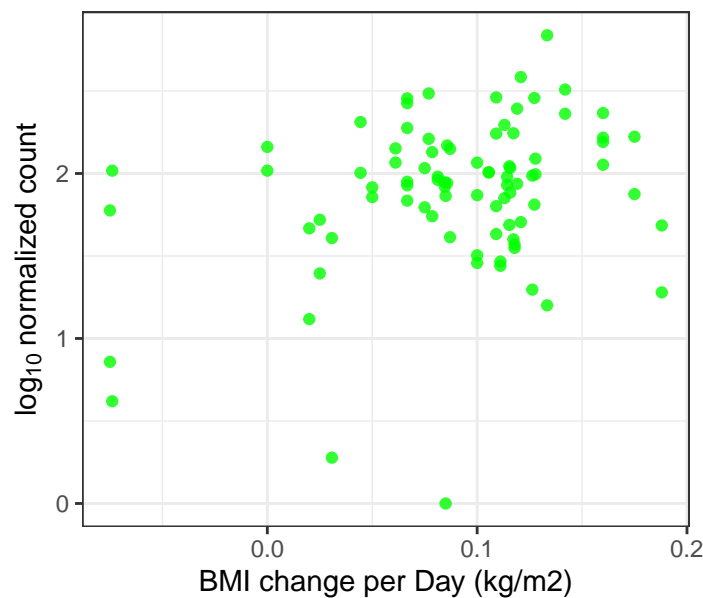
Methylobacterium

p = 0.0164



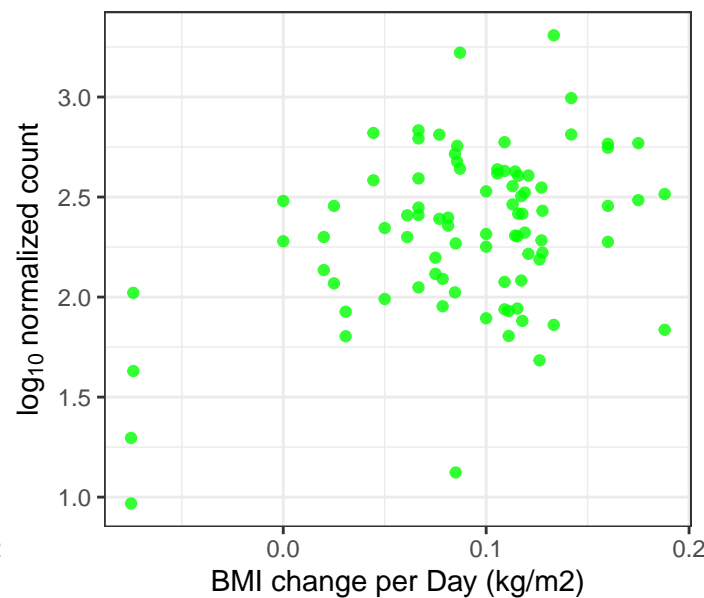
Thioflaviccoccus

p = 0.0164



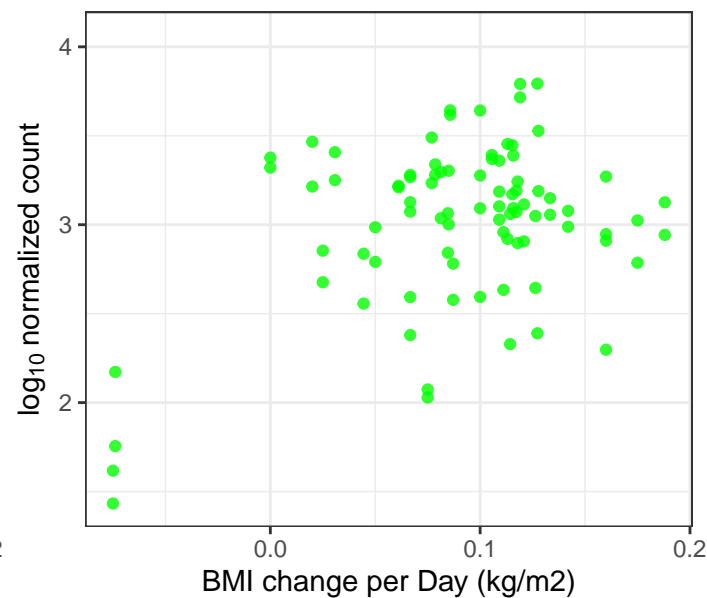
Unclassified Anaerolineaceae Family

p = 0.0164



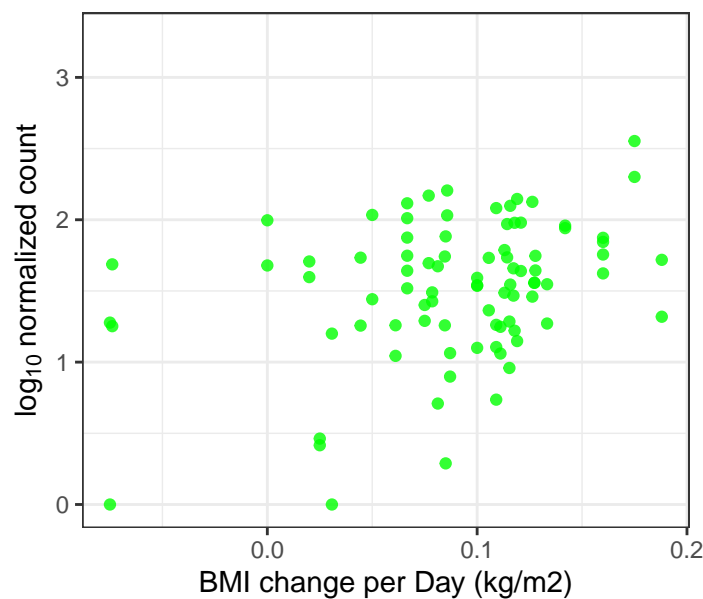
Unclassified Muribaculaceae Family

p = 0.0164



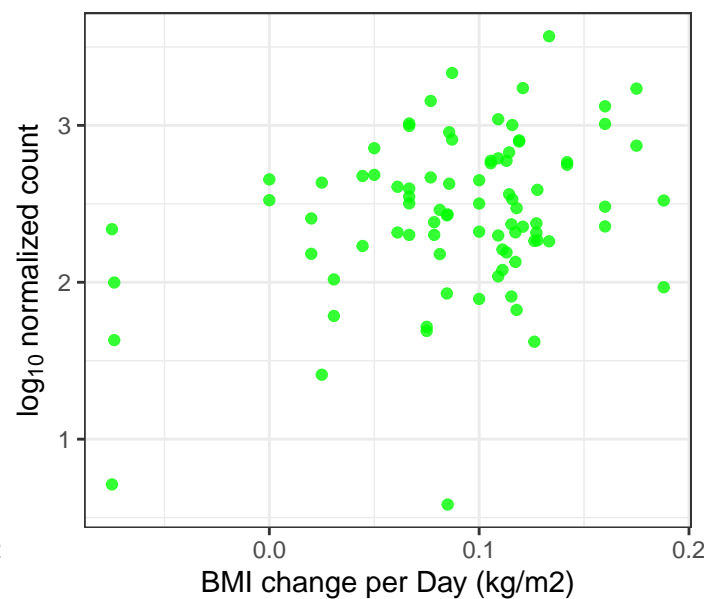
Methylovirgula

p = 0.0165



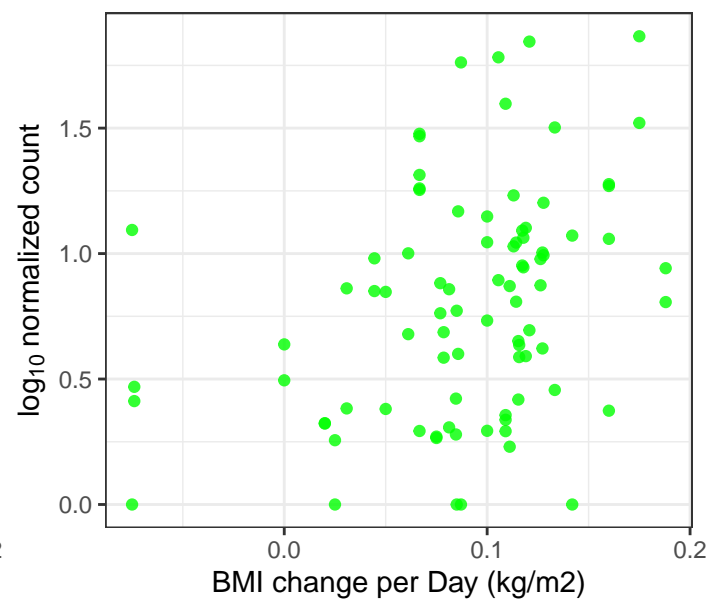
Methyloburum

p = 0.017



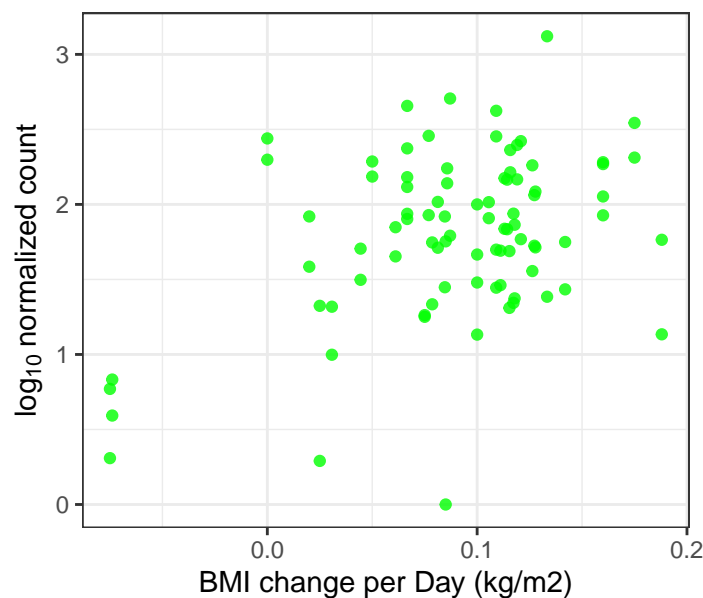
Candidatus Hoaglandella

p = 0.0174



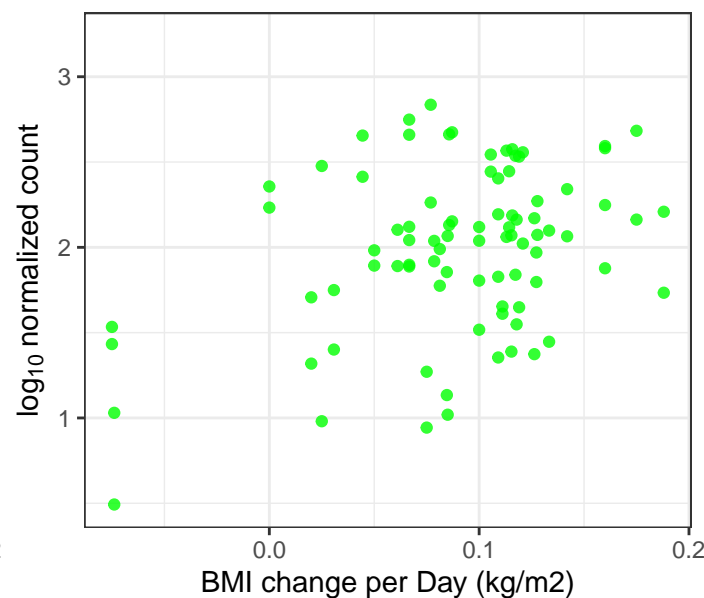
Luteipulveratus

p = 0.0174



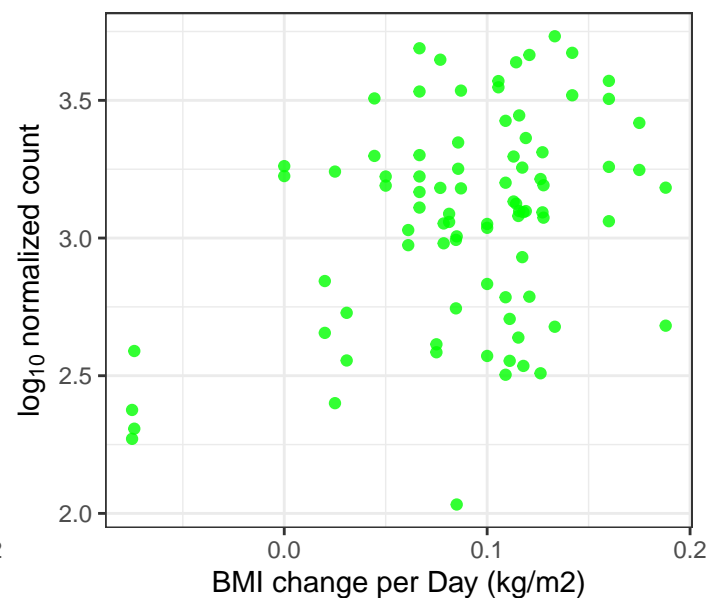
Mitsuaria

p = 0.0174



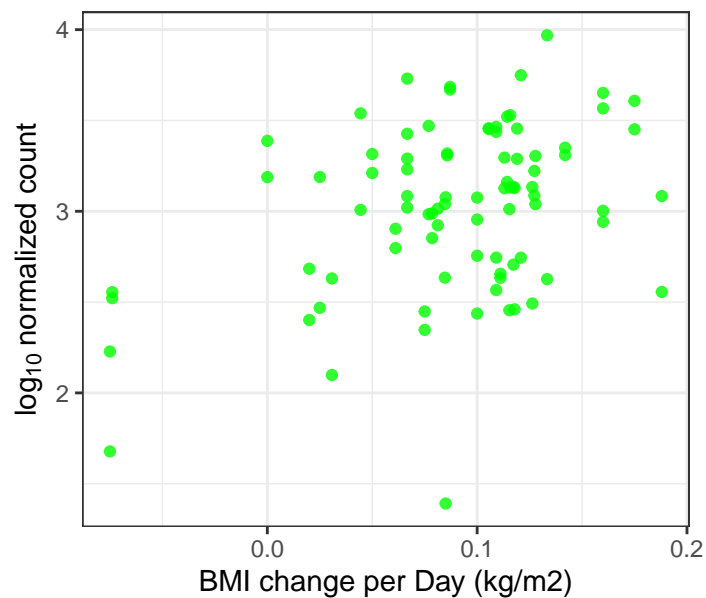
Sphingobium

p = 0.0178



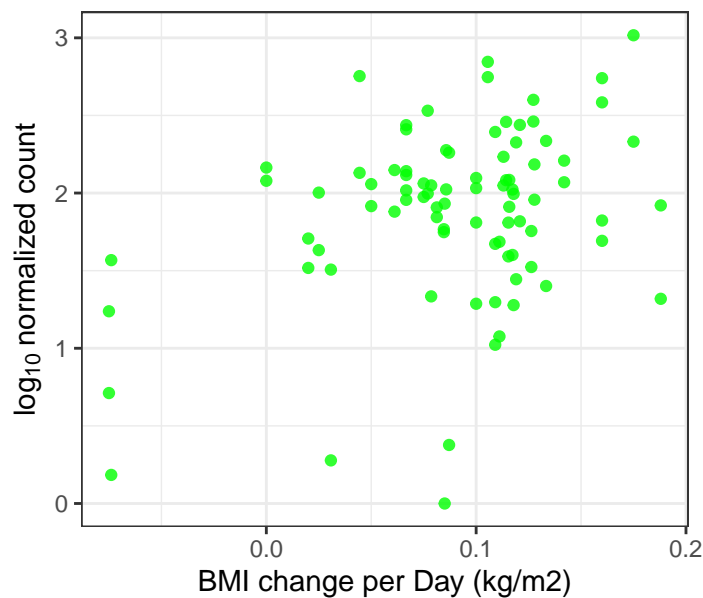
Amycolatopsis

p = 0.0179



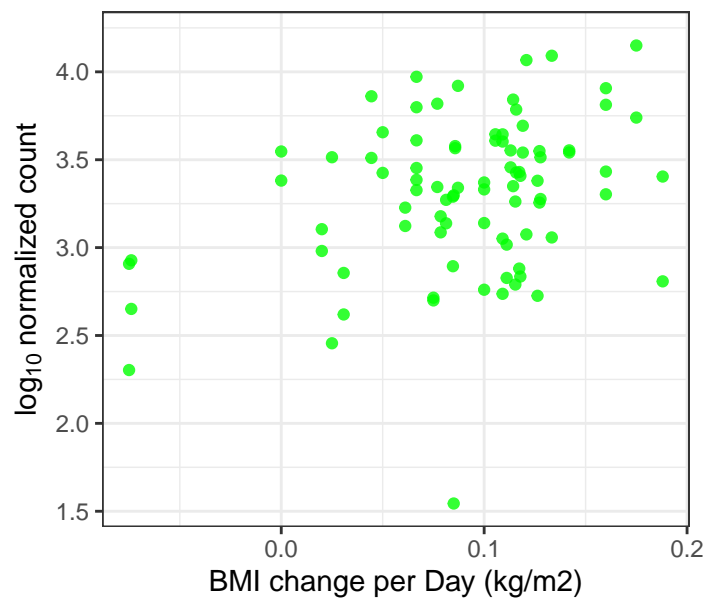
Marinithermus

p = 0.0179



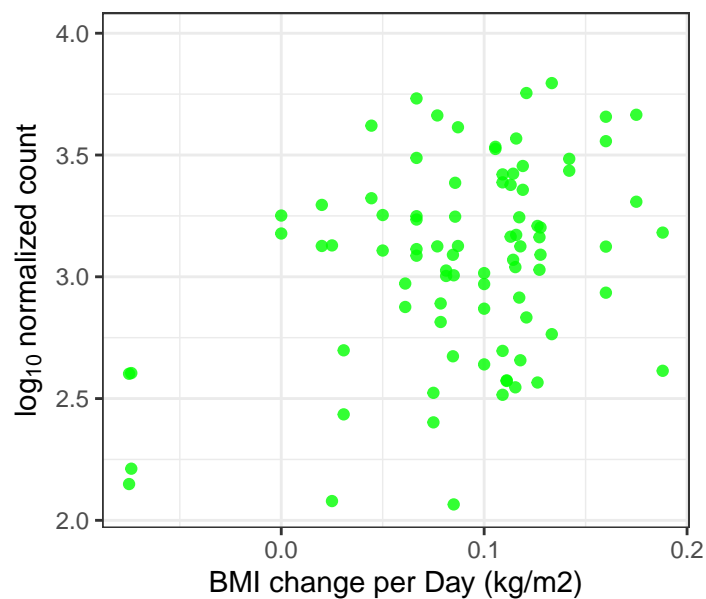
Micromonospora

p = 0.0179



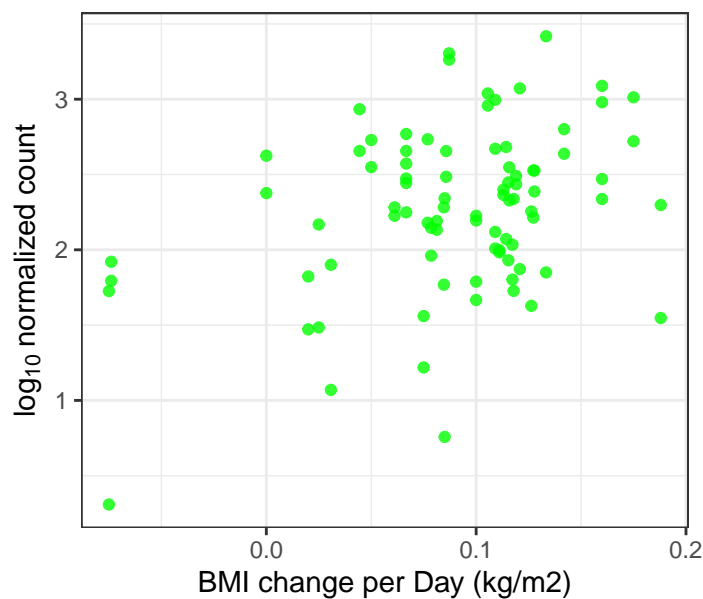
Paracoccus

p = 0.0179



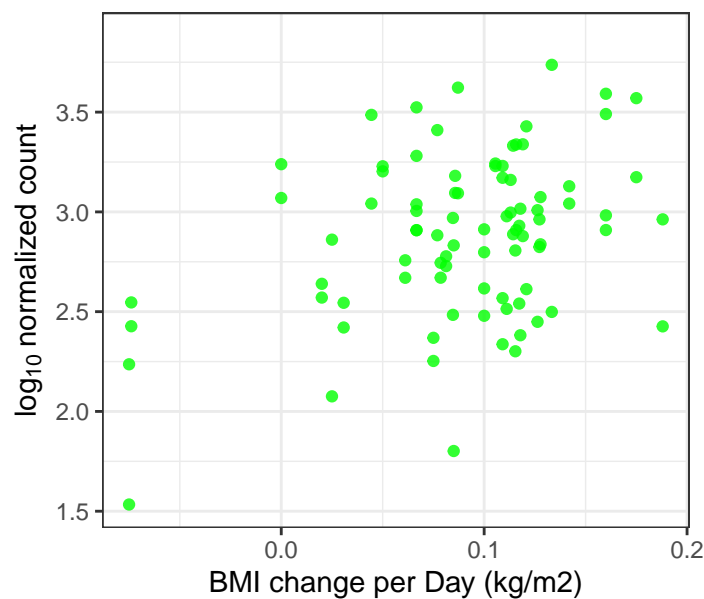
Minicystis

p = 0.0182



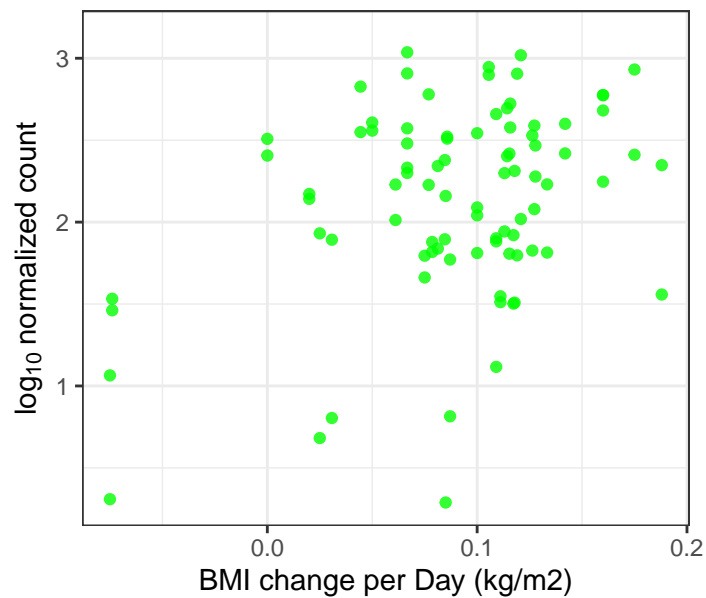
Gordonia

p = 0.0183



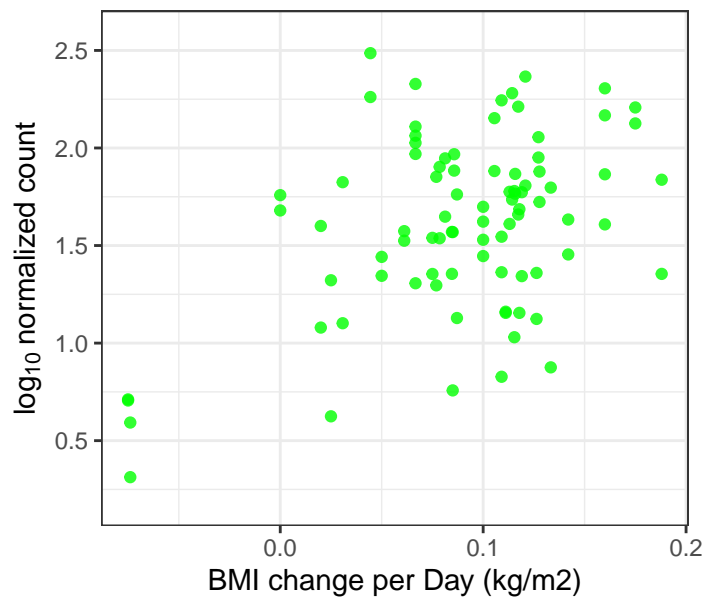
Lacunisphaera

p = 0.0183



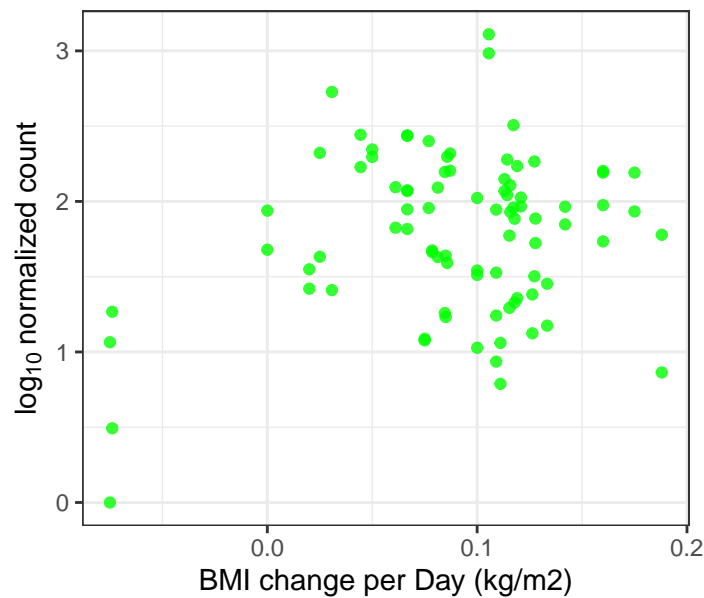
Natronorubrum

p = 0.0184



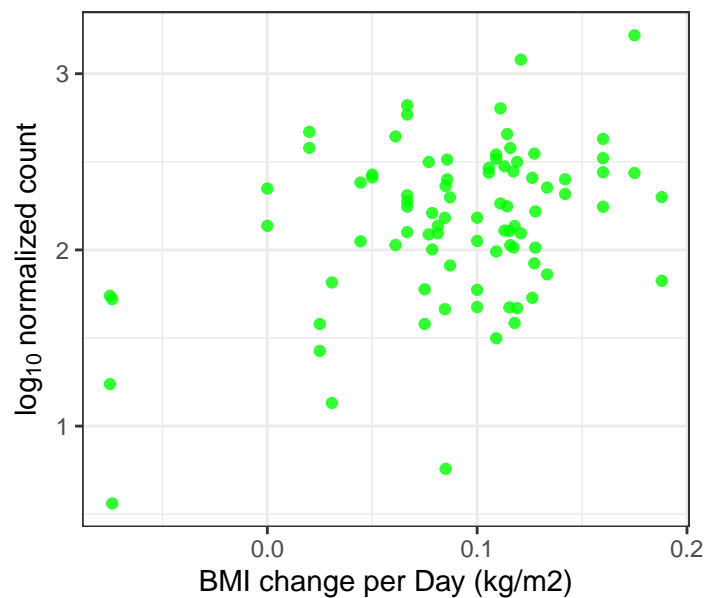
Pelagibacterium

p = 0.0185



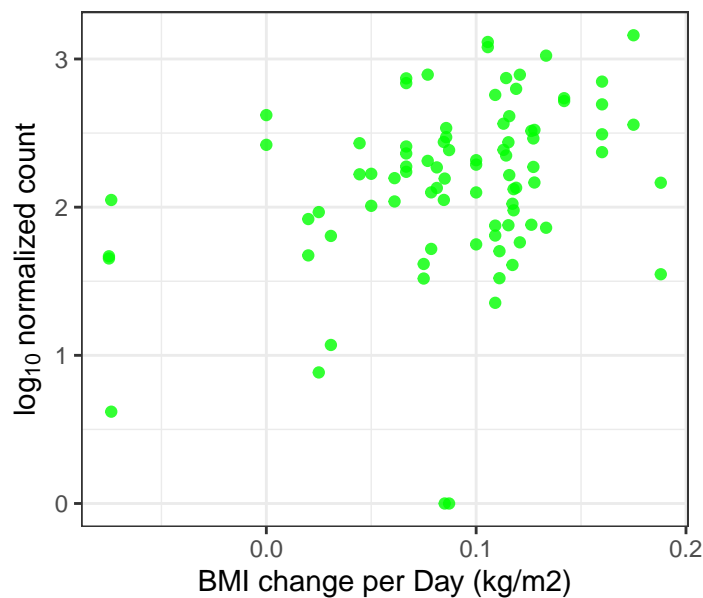
Desulfobulbus

p = 0.0186



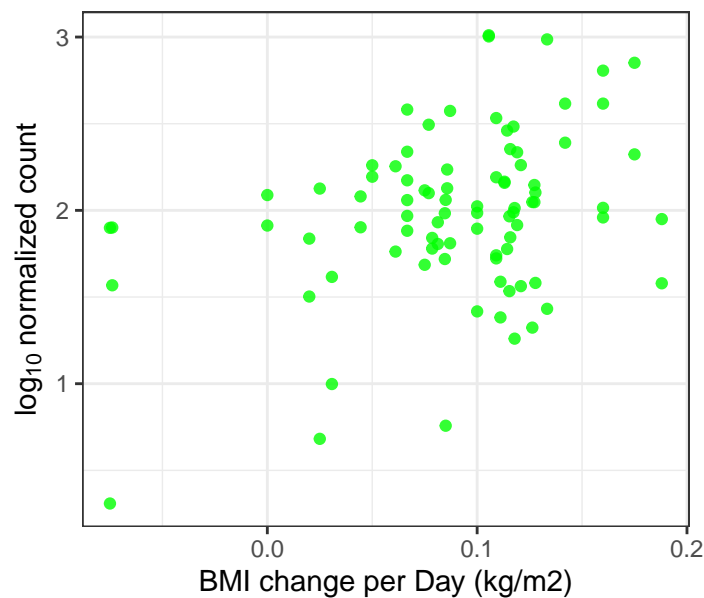
Candidatus Promineofilum

p = 0.0196



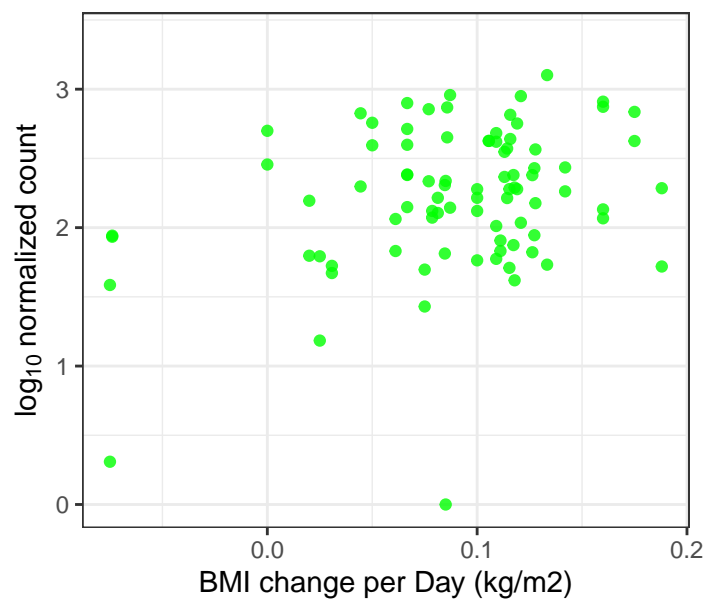
Acidiphilium

p = 0.0202



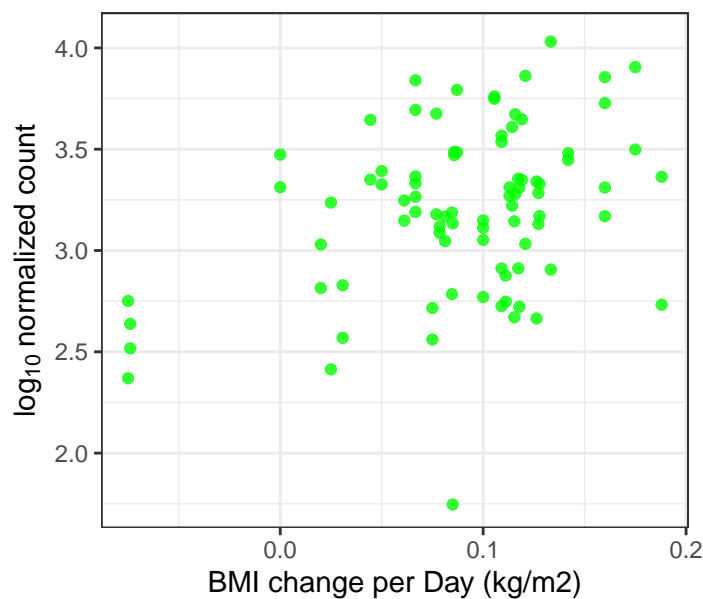
Agrococcus

p = 0.0202



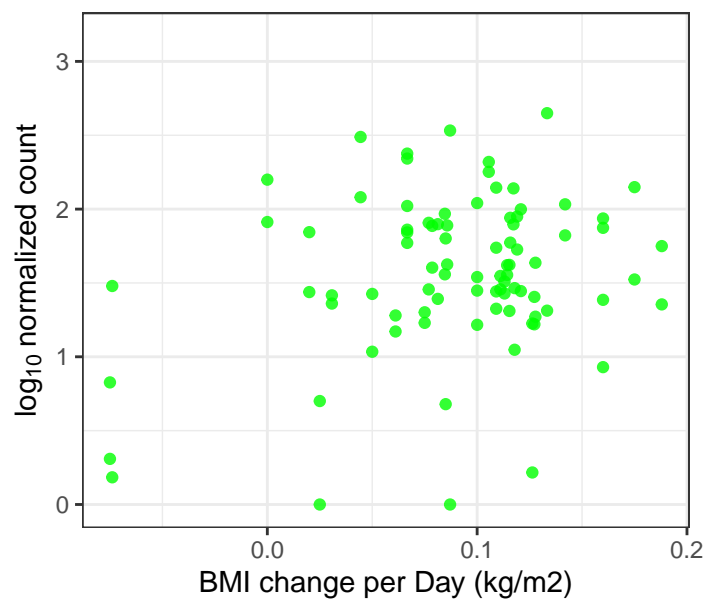
Azospirillum

p = 0.0202



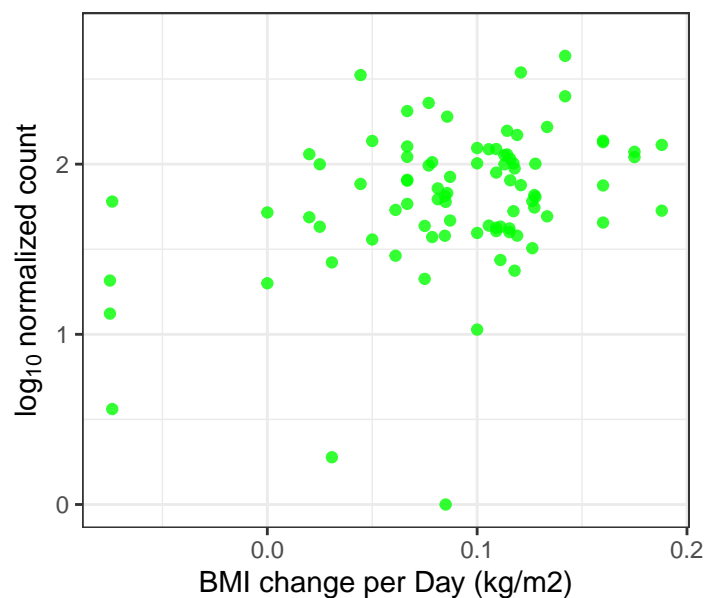
Candidatus Symbiobacter

p = 0.0202



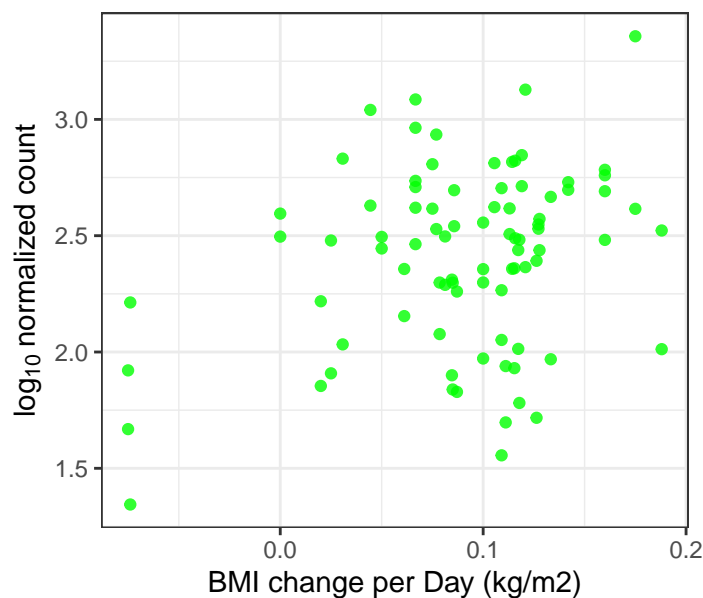
Chelativorans

p = 0.0202



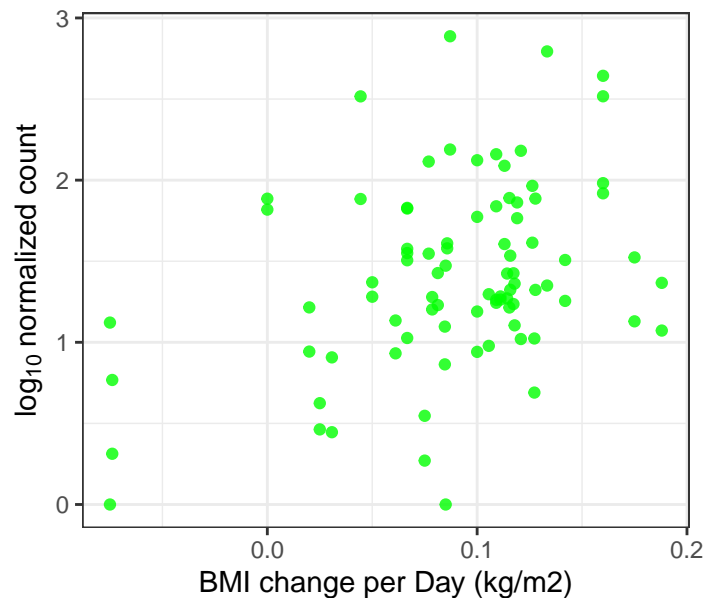
Cyanobium

p = 0.0202



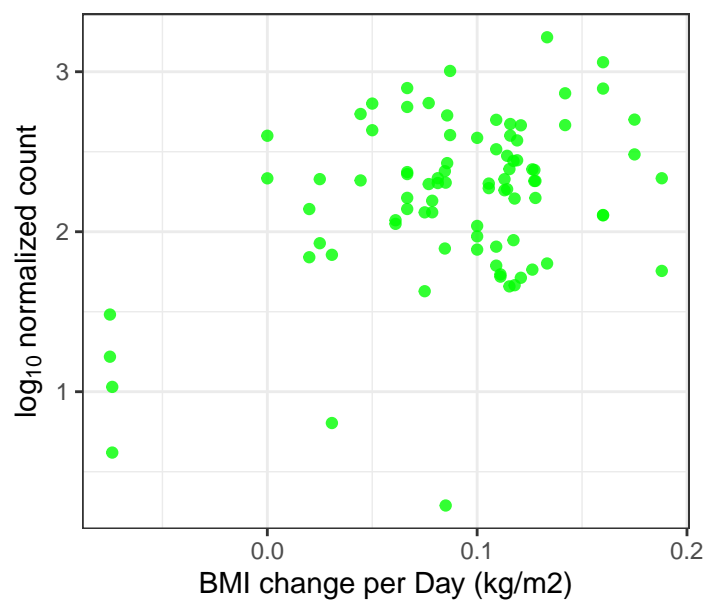
Halorientalis

p = 0.0202



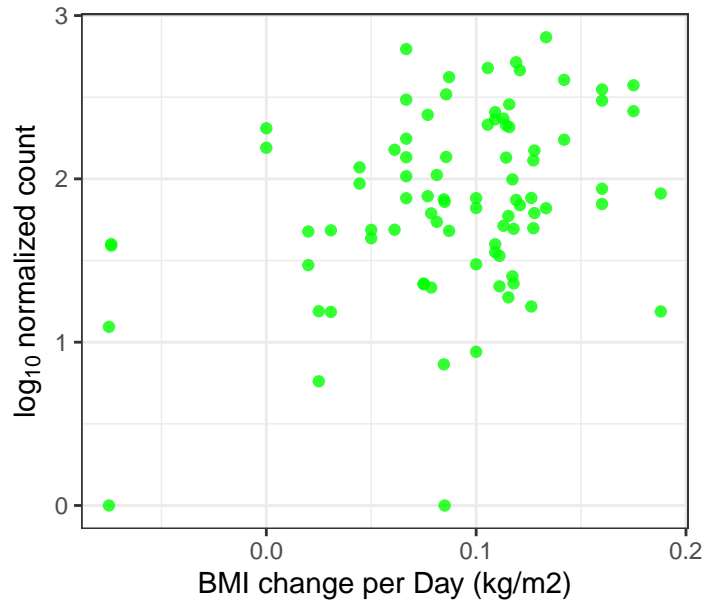
Halorubrum

p = 0.0202



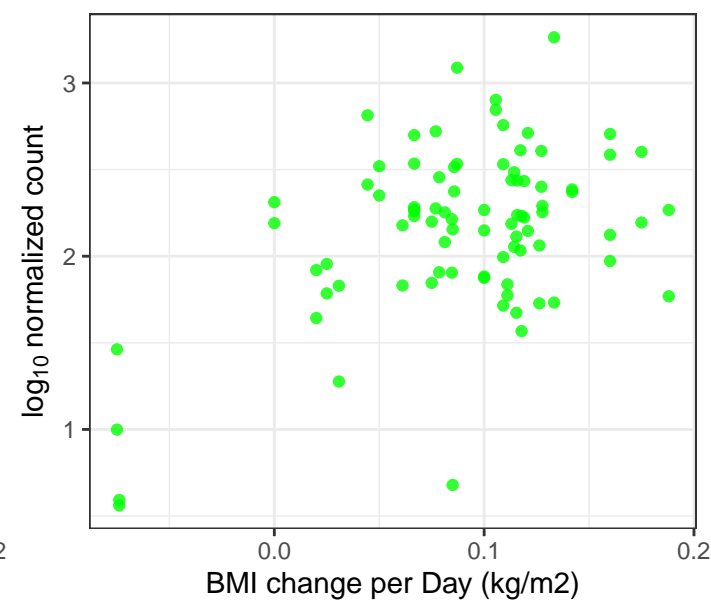
Ilumatobacter

p = 0.0202



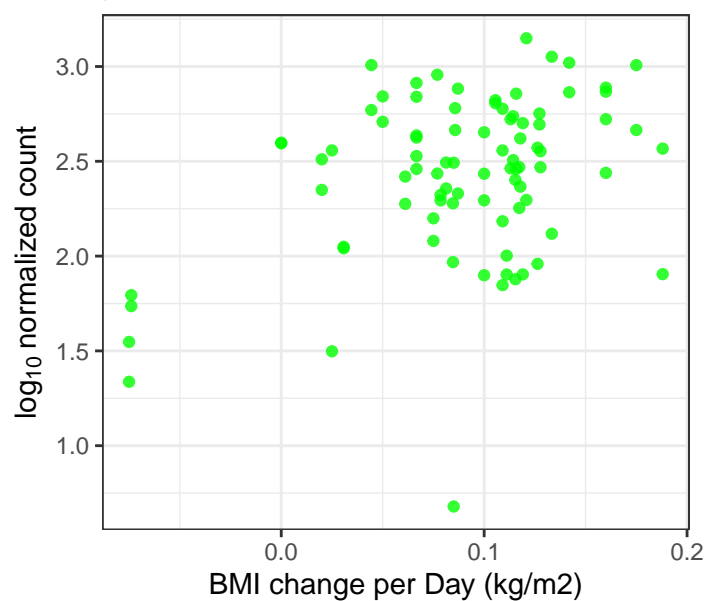
Roseivivax

p = 0.0202



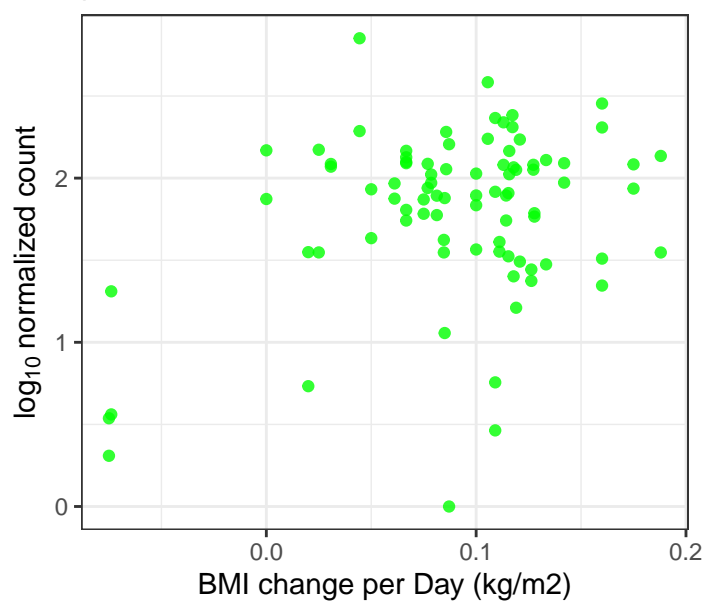
Martelella

p = 0.0203



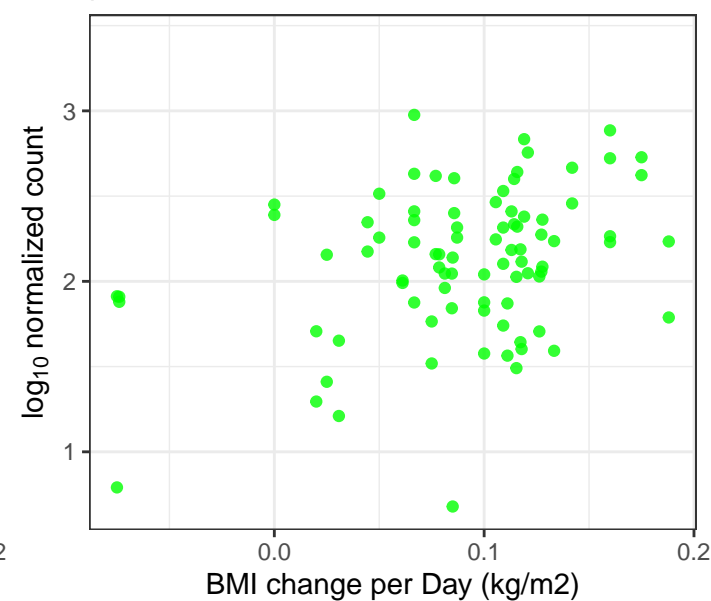
Herminiimonas

p = 0.0204



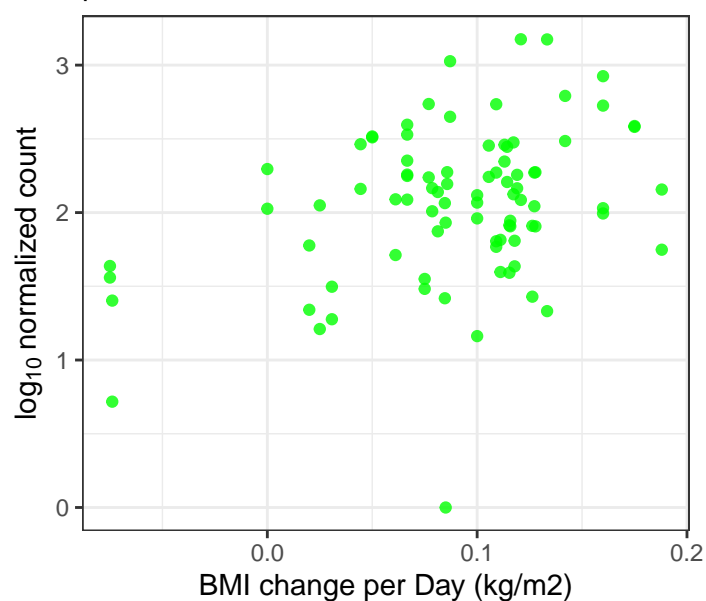
Lentzea

p = 0.0204



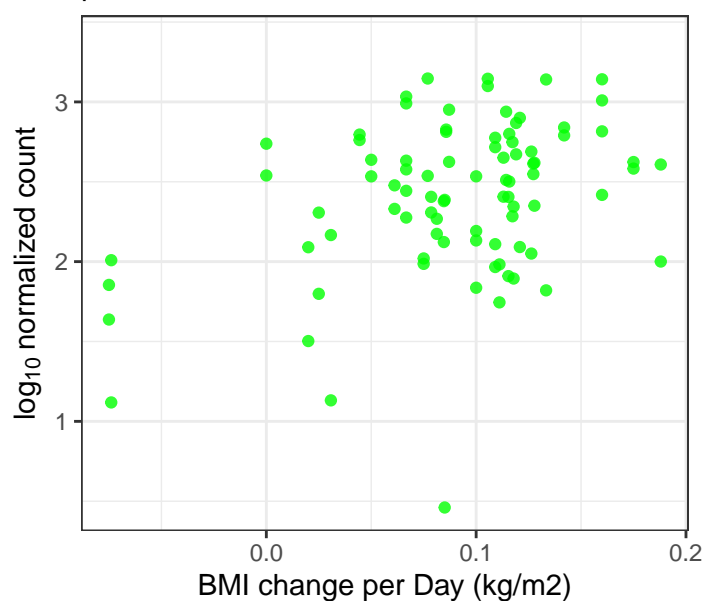
Methyloceanibacter

p = 0.0204



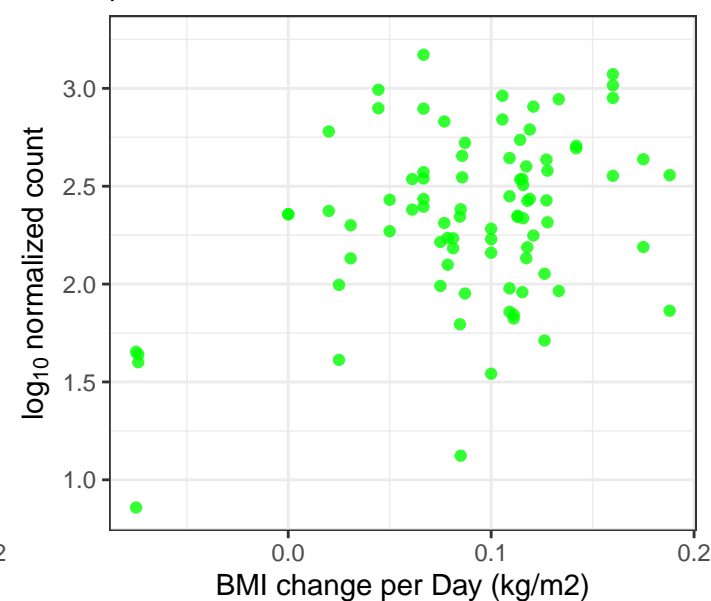
Opitutus

p = 0.0204



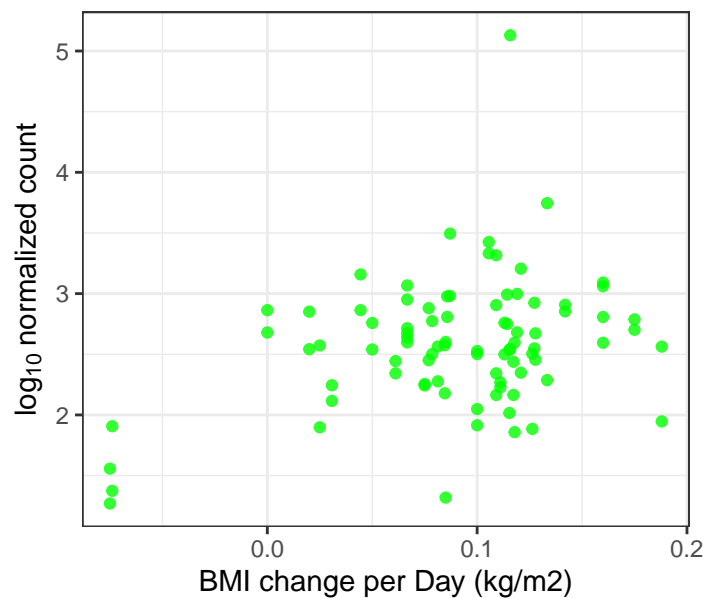
Unclassified Verrucomicrobia Phylum

p = 0.0204



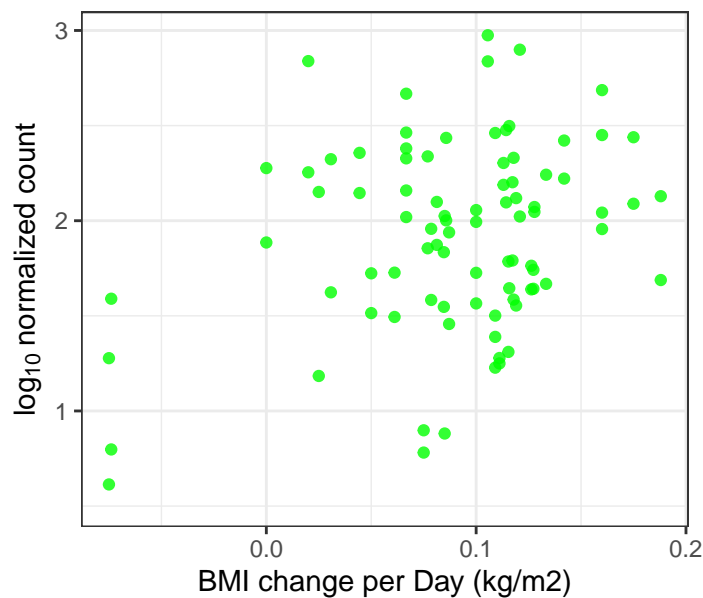
Unclassified Victivallales Order

p = 0.0204



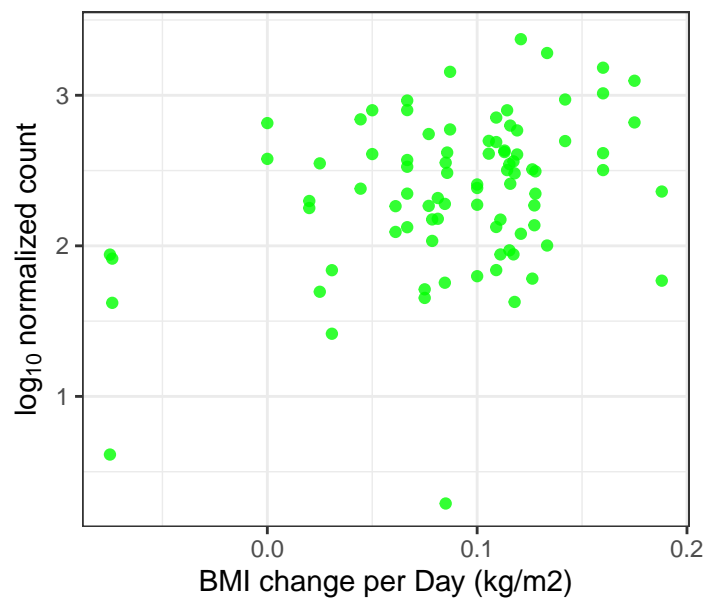
Defluviimonas

p = 0.0205



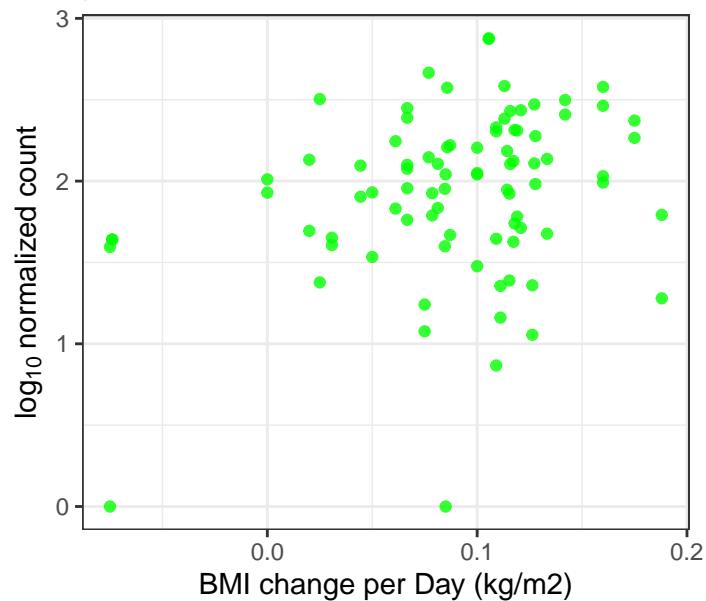
Georgenia

p = 0.0205



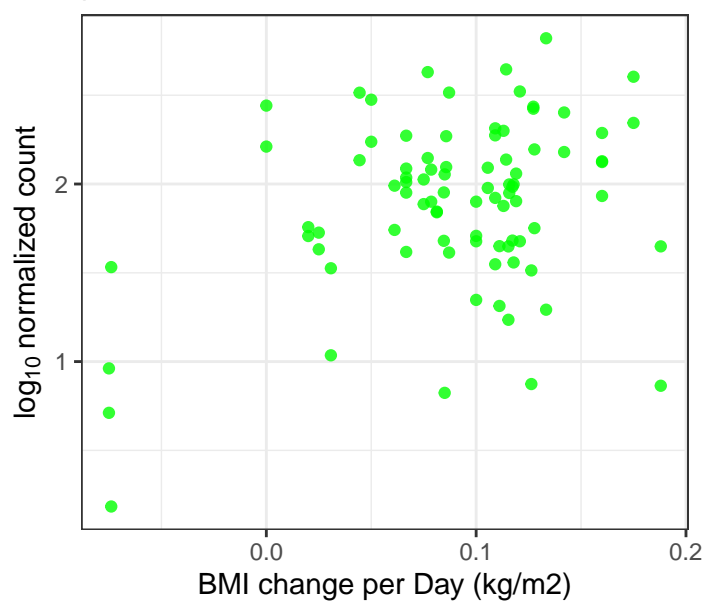
Streptomonospora

p = 0.0205



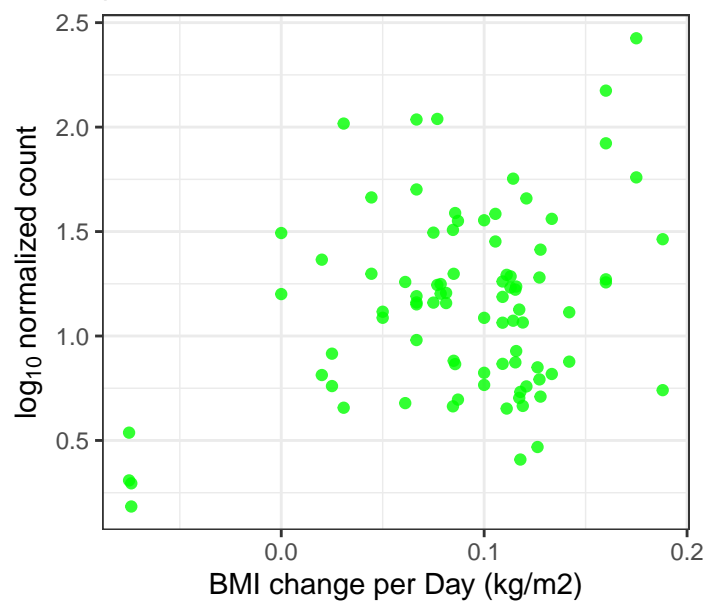
Mobilicoccus

p = 0.0213



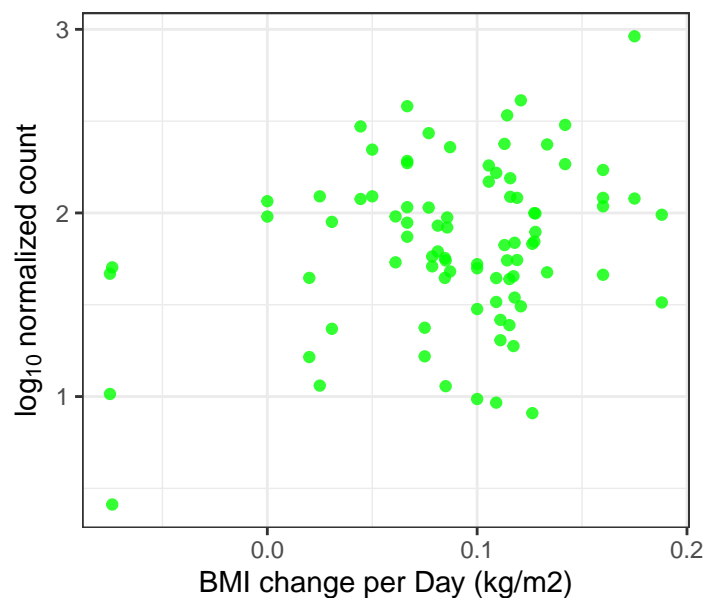
Natrialba

p = 0.0213



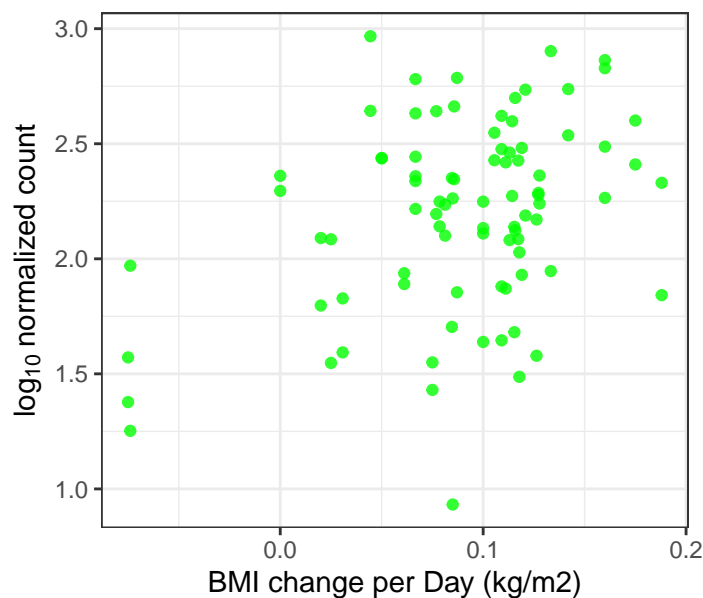
Oryzomicrobium

p = 0.0213



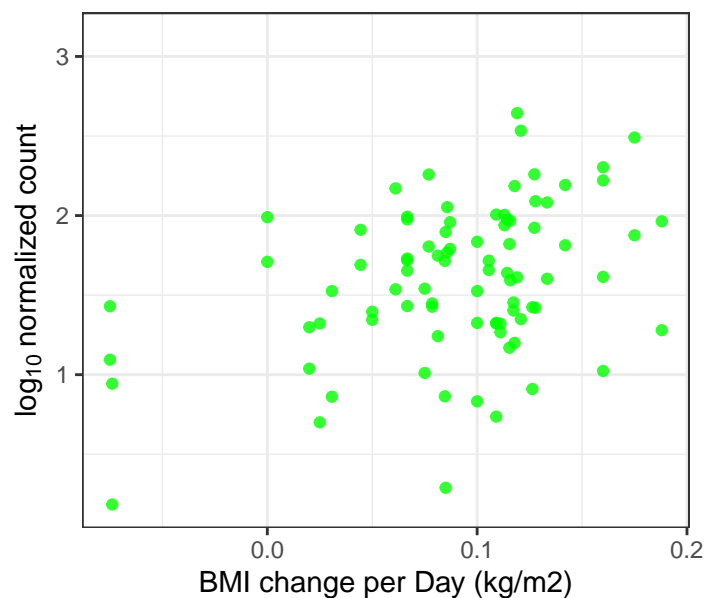
Aminobacter

p = 0.0214



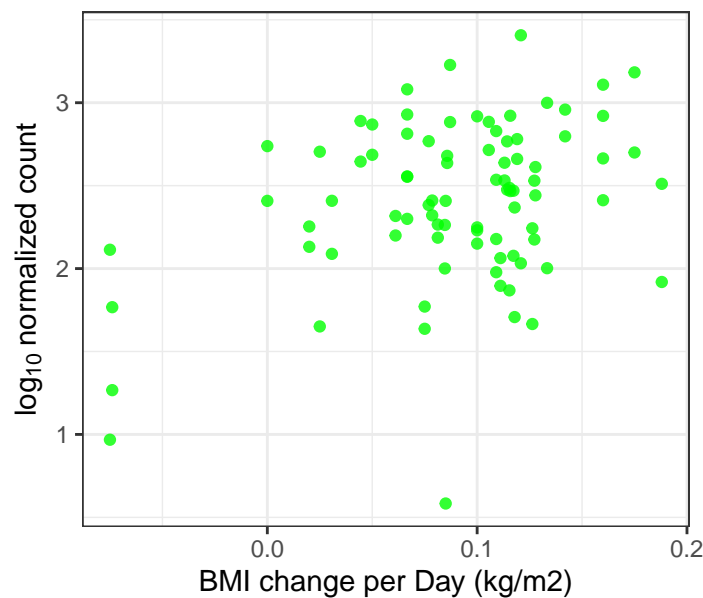
Chromohalobacter

p = 0.0214



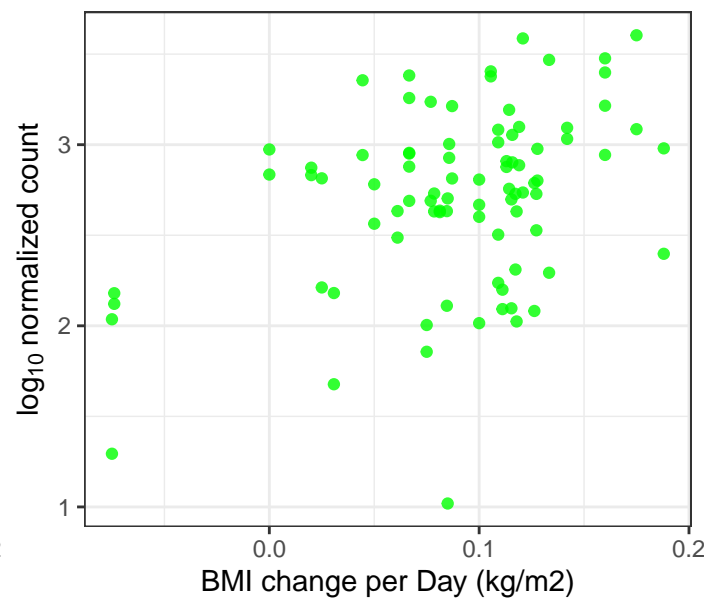
Delftia

p = 0.0214



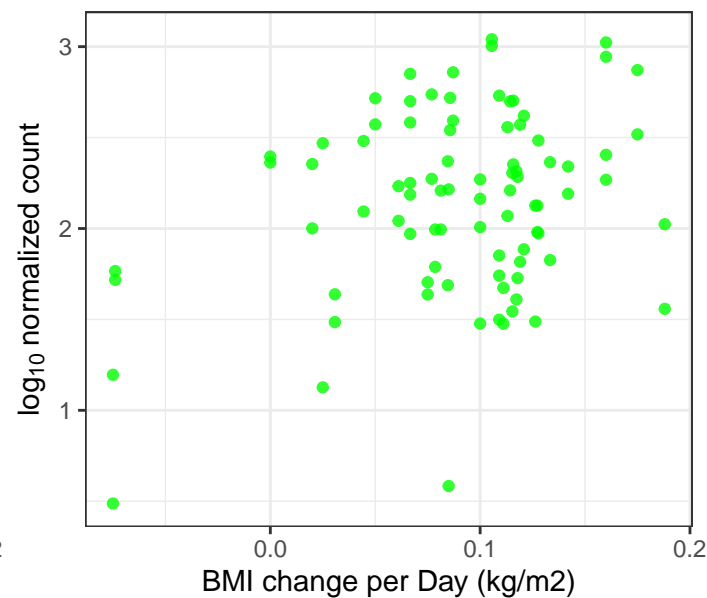
Myxococcus

p = 0.0214



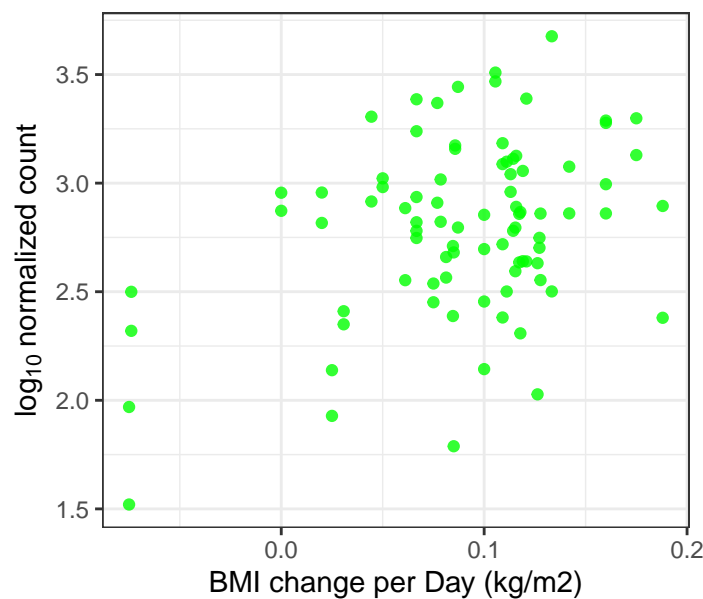
Sandaracinus

p = 0.0214



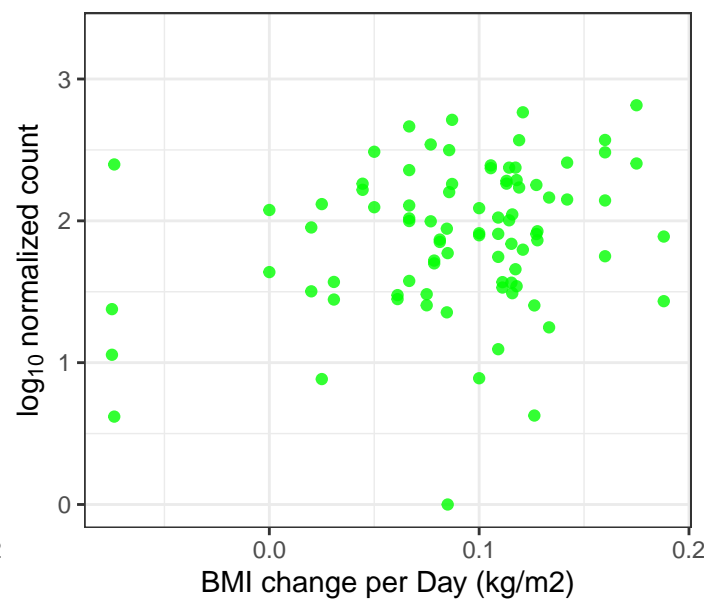
Unclassified Burkholderiaceae Family

p = 0.0214



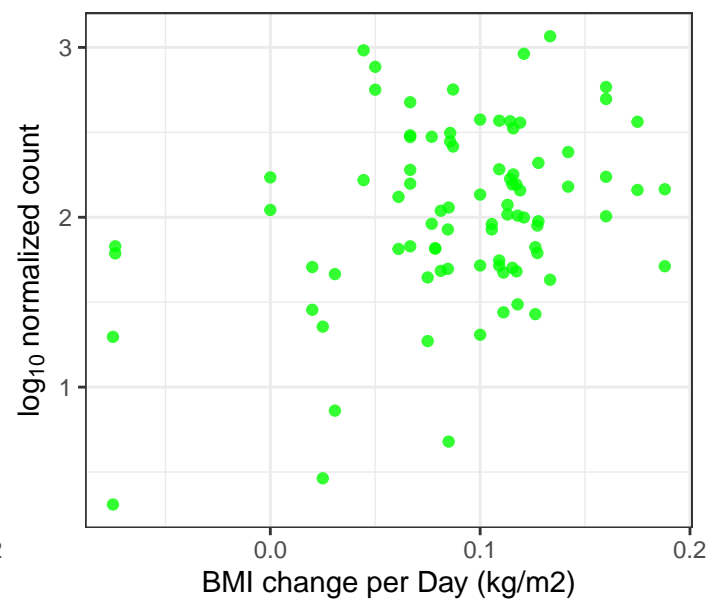
Methyloversatilis

p = 0.0223



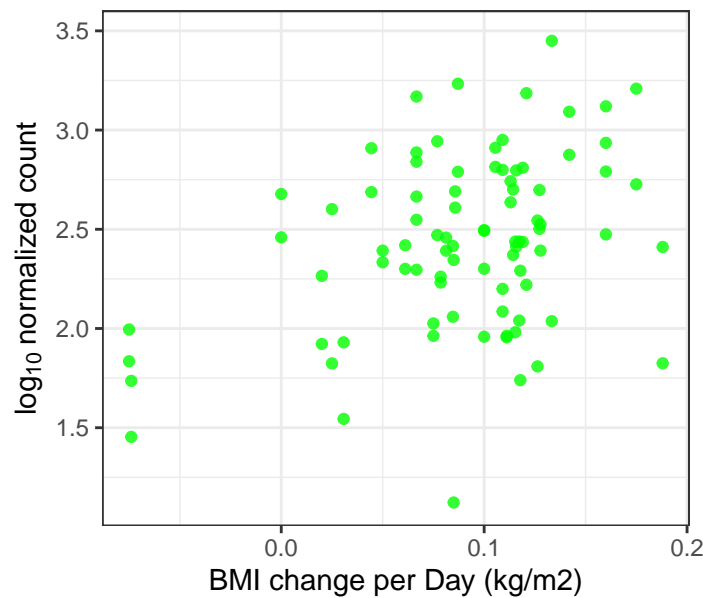
Shinella

p = 0.0224



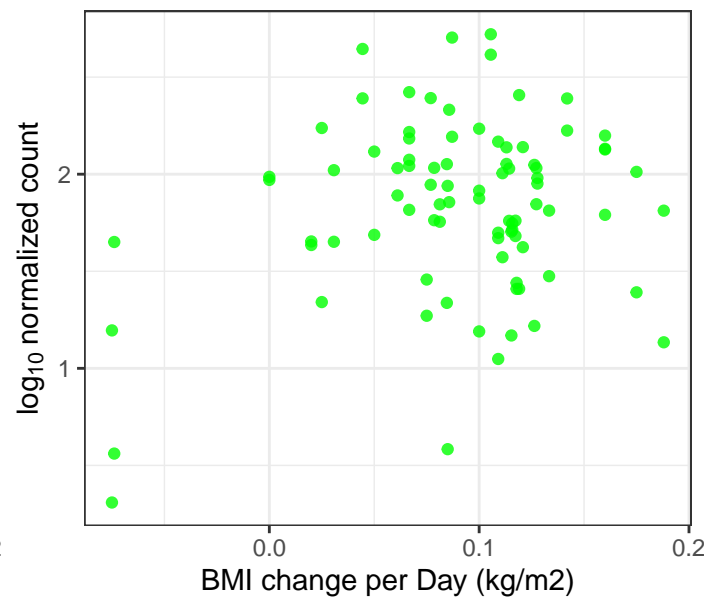
Archangium

p = 0.0225



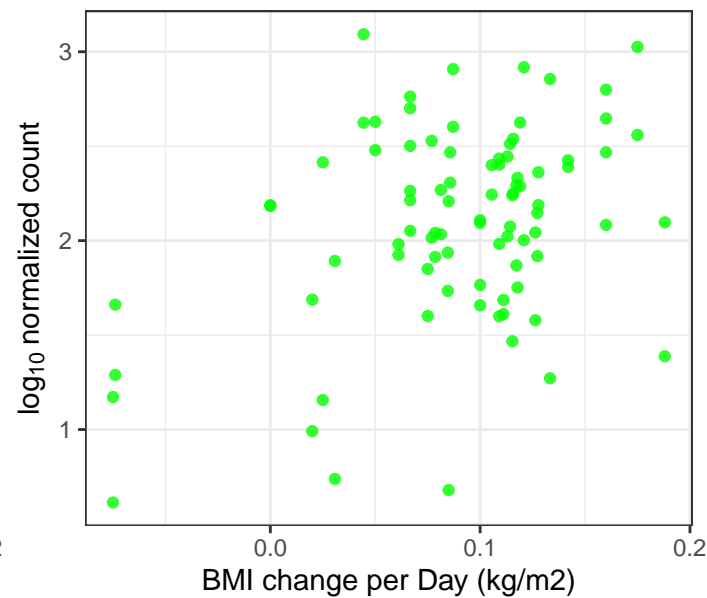
Desulfohalobium

p = 0.0225



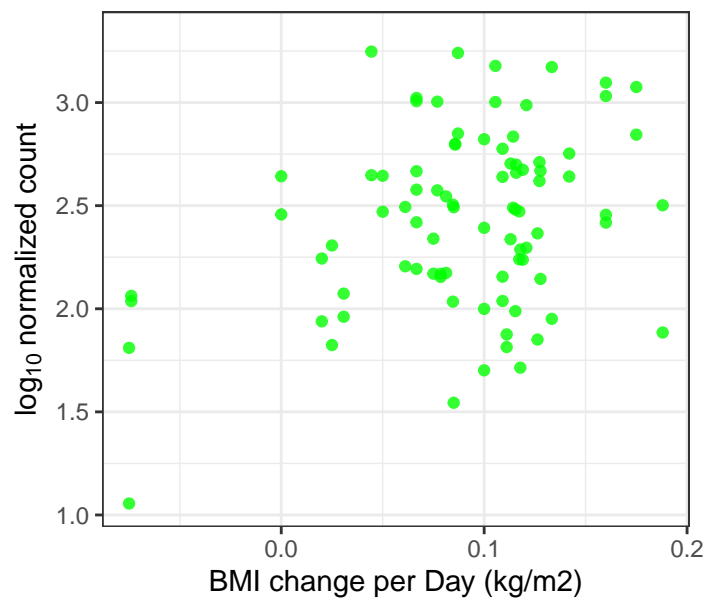
Stella

p = 0.0225



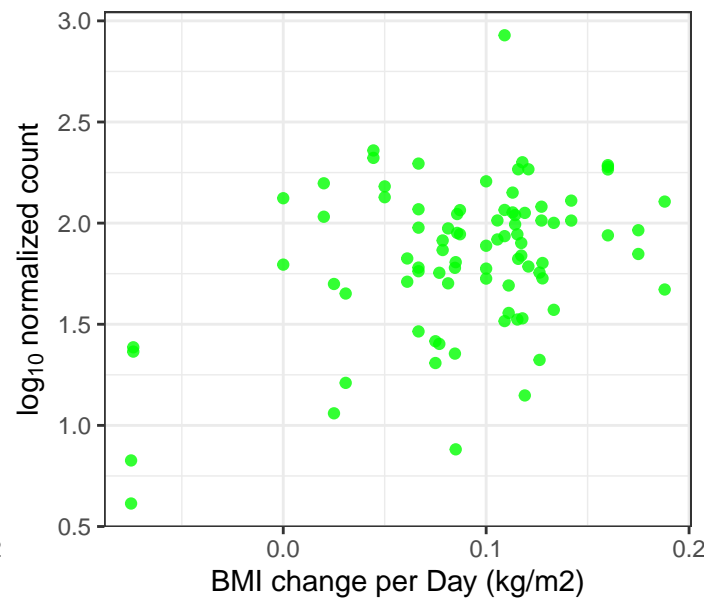
Alicyclobacillus

p = 0.0229



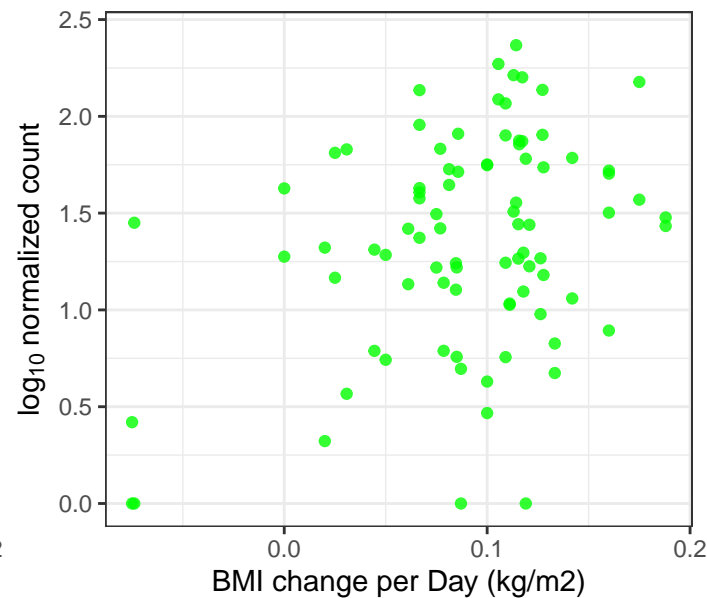
Marinobacterium

p = 0.0229



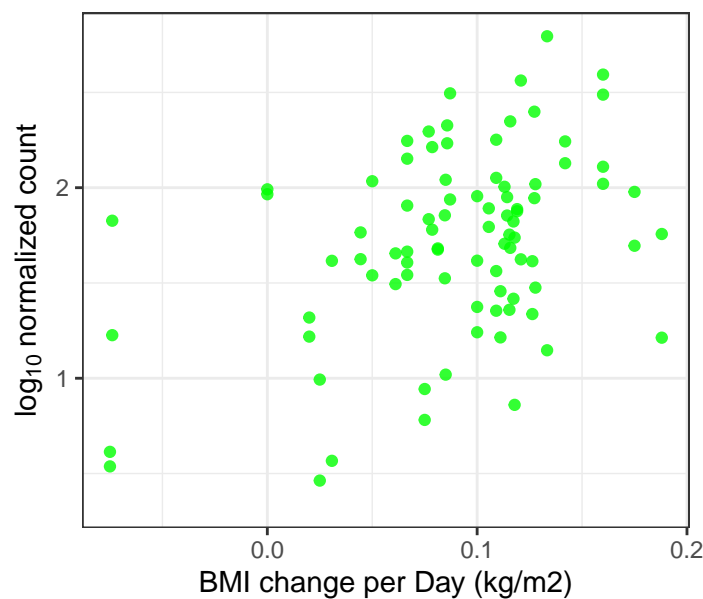
Unclassified Desulfobacteraceae Family

p = 0.0235



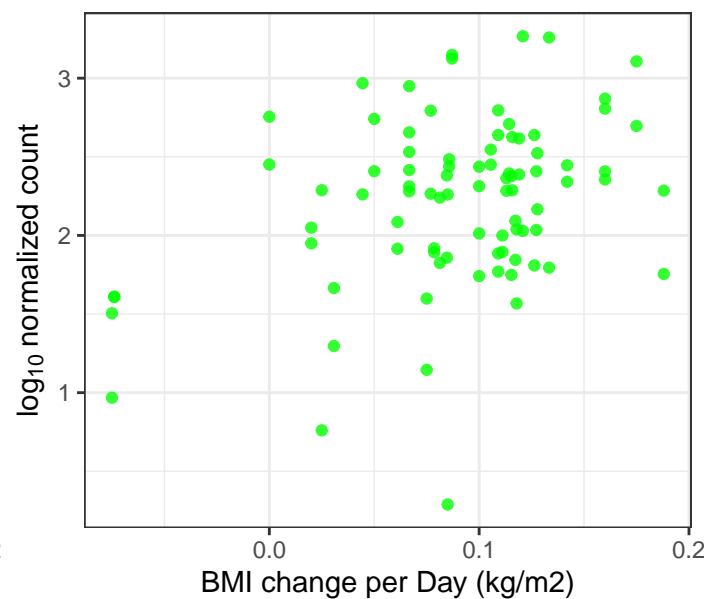
Epidermidibacterium

p = 0.0236



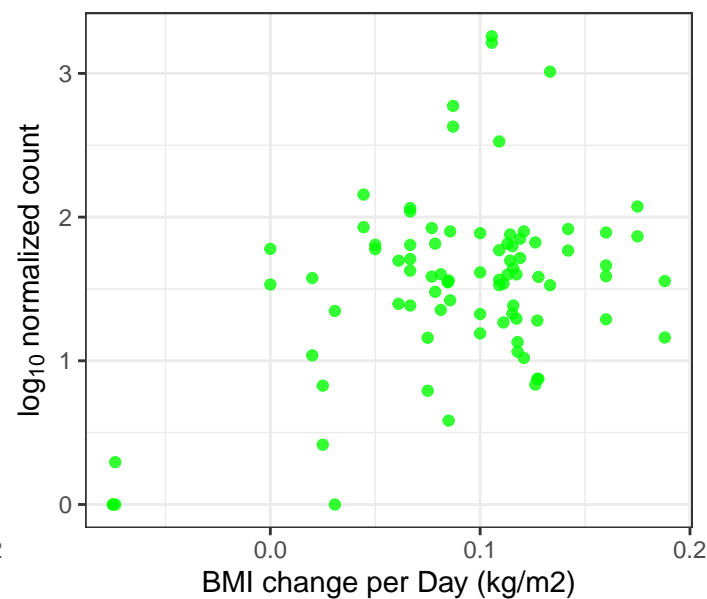
Friedmanniella

p = 0.0236



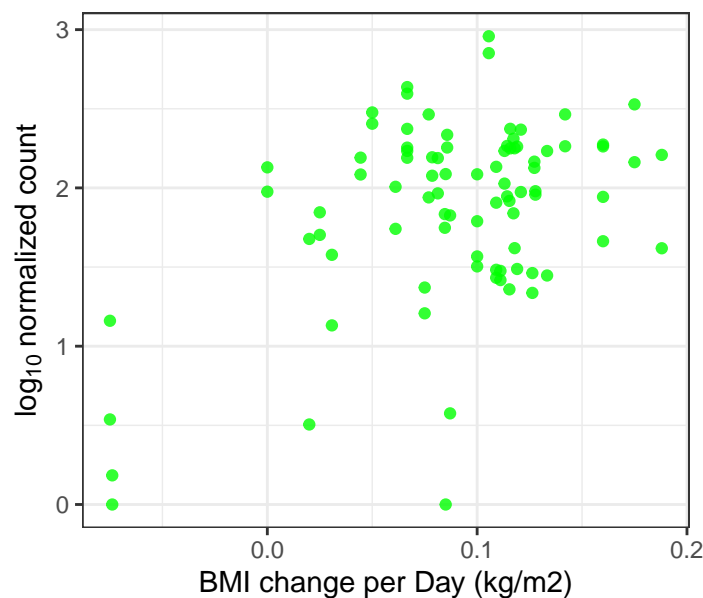
Halalkaliarchaeum

p = 0.0236



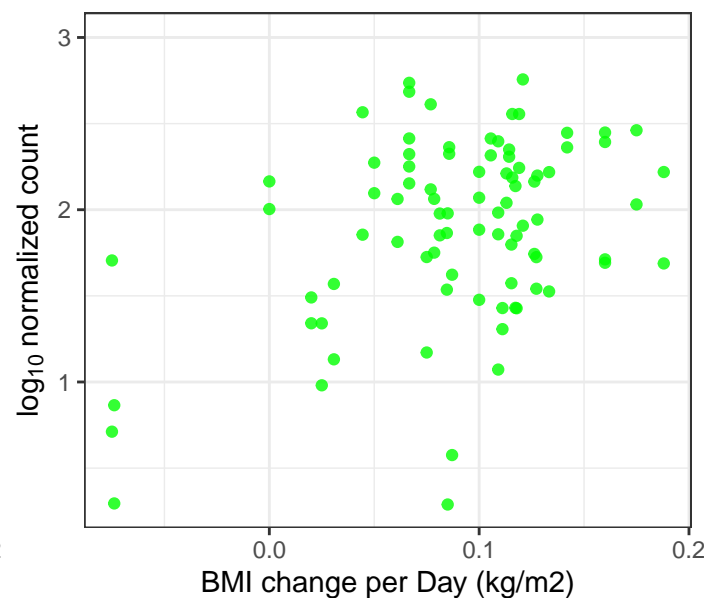
Halovulum

p = 0.0236



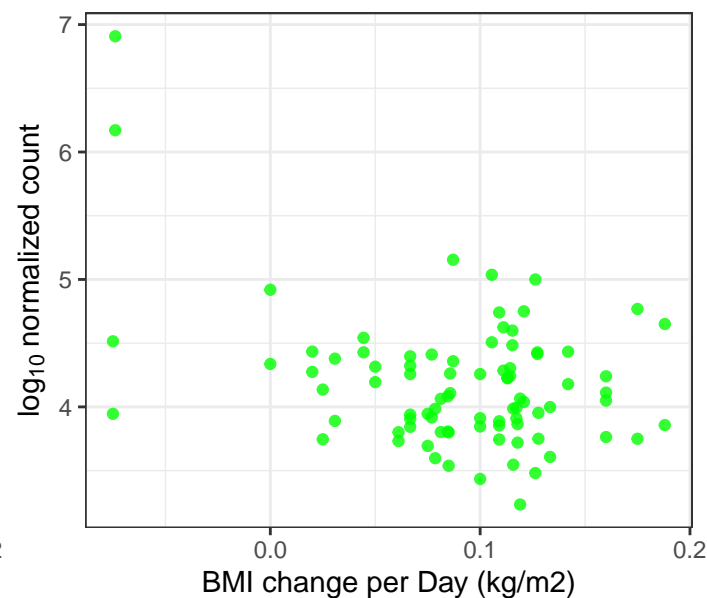
Immundisolibacter

p = 0.0236



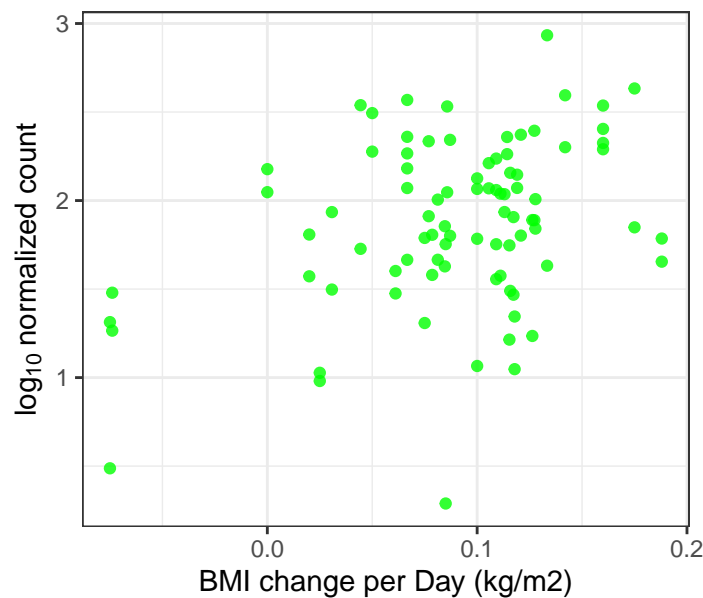
Lactobacillus

p = 0.0236



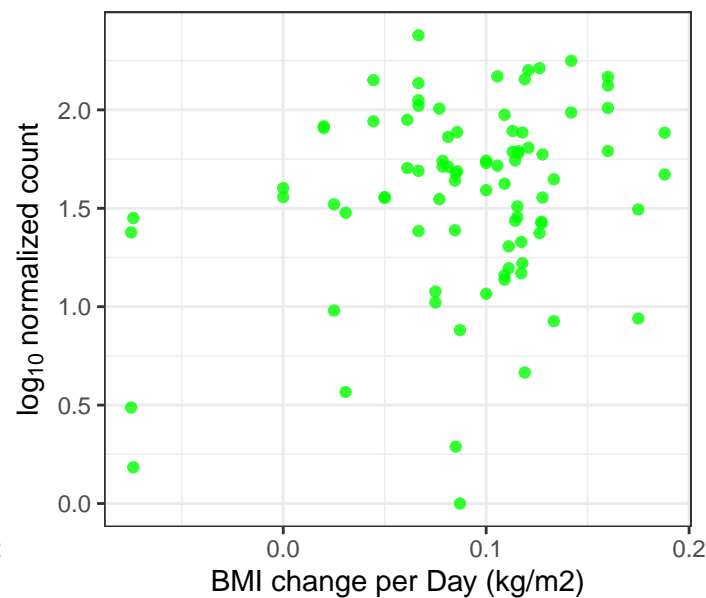
Unclassified Propionibacteriales Order

p = 0.0238



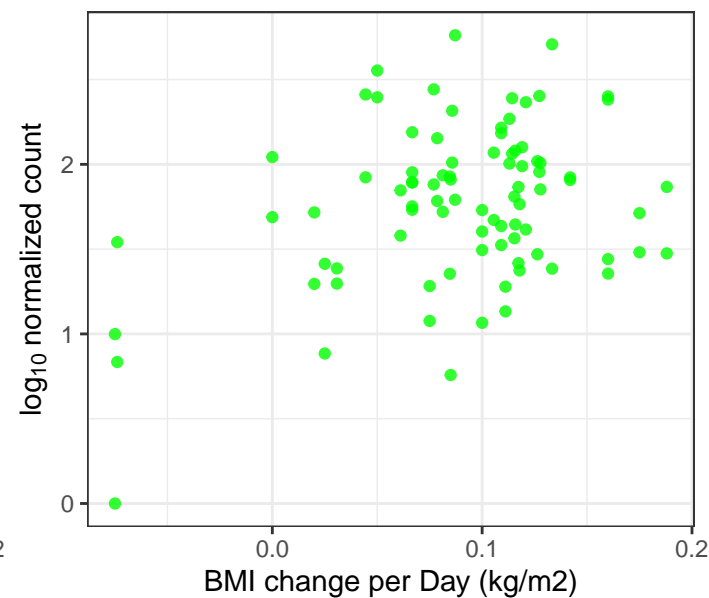
Psychromicrobium

p = 0.024



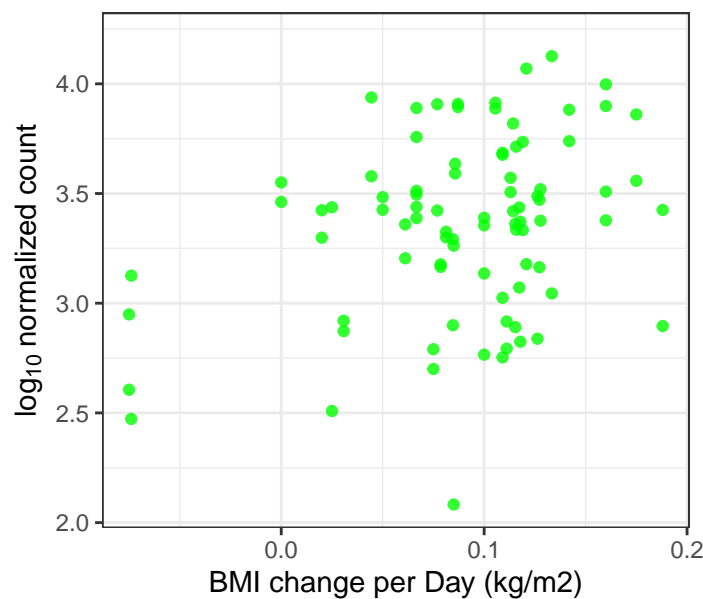
Allochromatium

p = 0.024



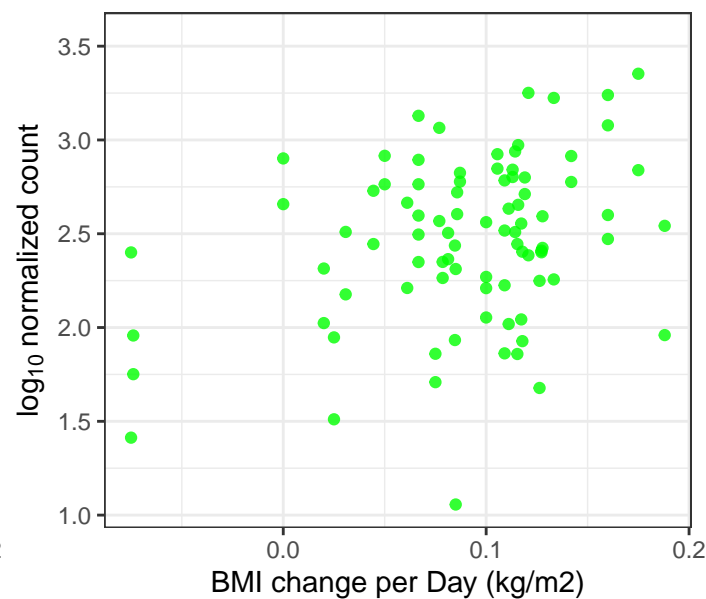
Deinococcus

p = 0.024



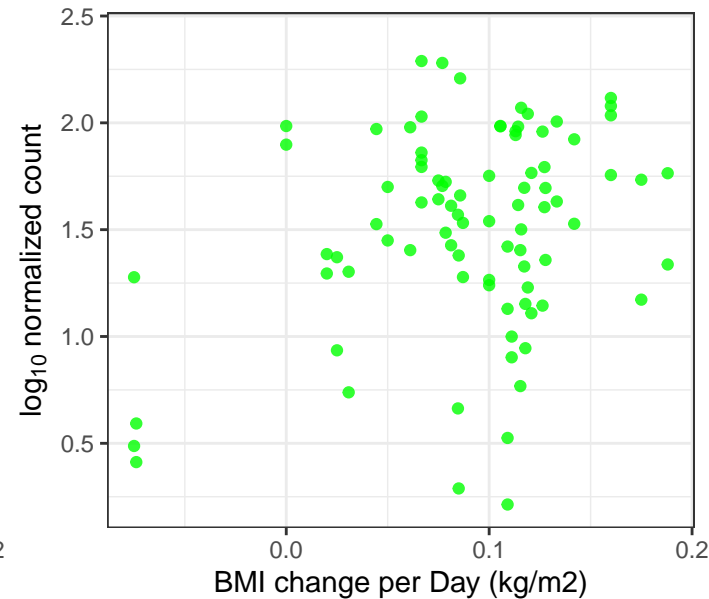
Ornithinimicrobium

p = 0.024



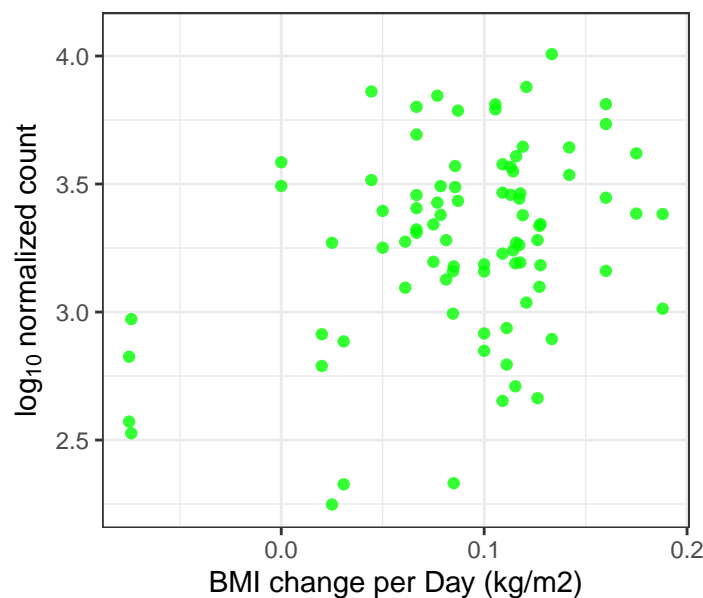
Paraoerskovia

p = 0.024



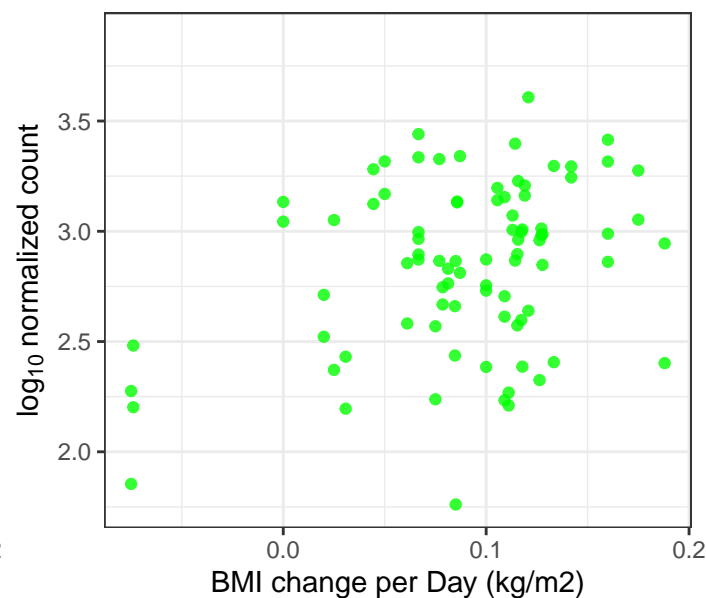
Unclassified Burkholderiales Order

p = 0.024



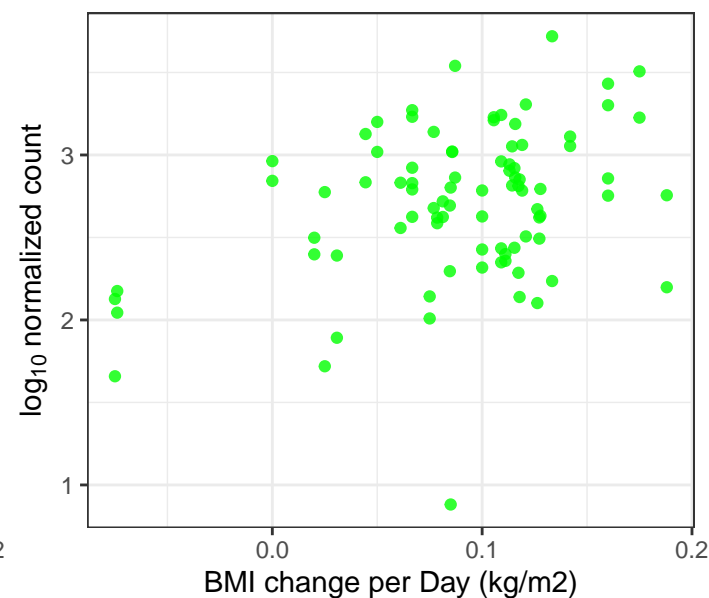
Unclassified Mycobacteriaceae Family

p = 0.024



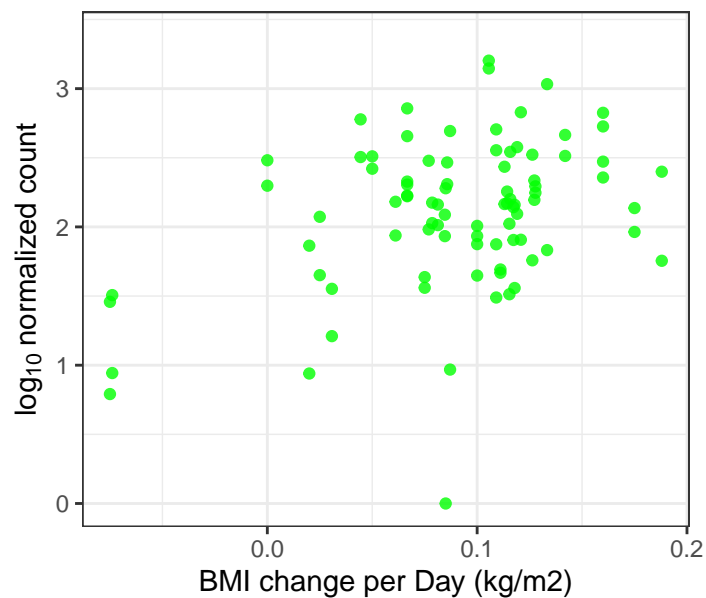
Rathayibacter

p = 0.0244



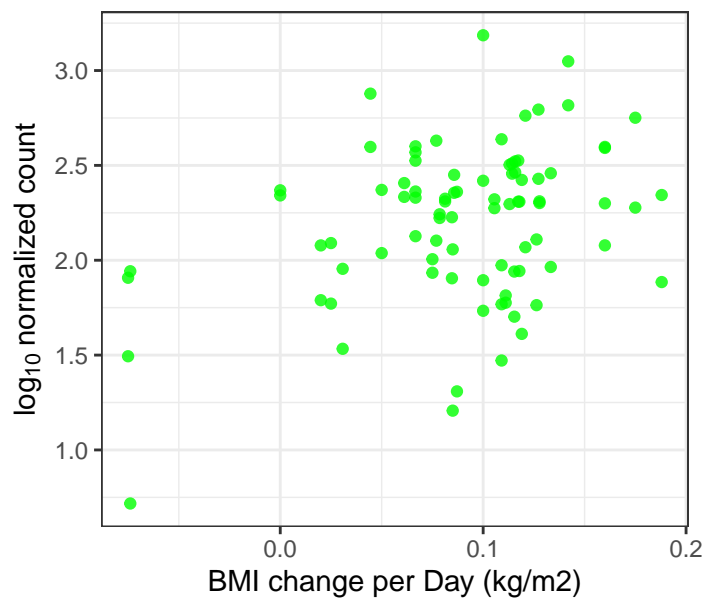
Serpentinomonas

p = 0.0244



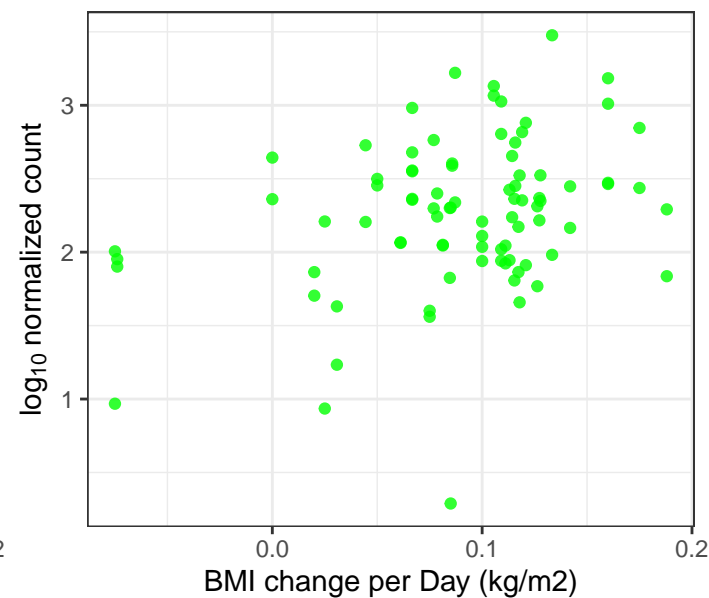
Sulfuriferula

p = 0.0244



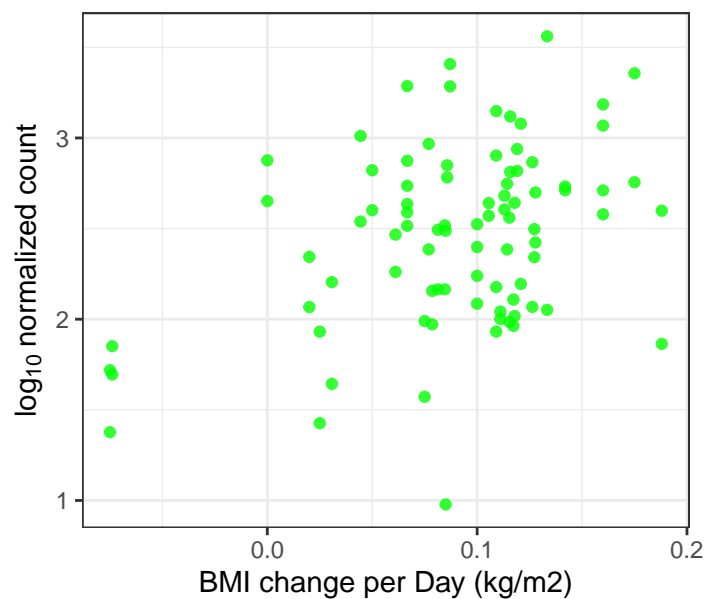
Janibacter

p = 0.0244



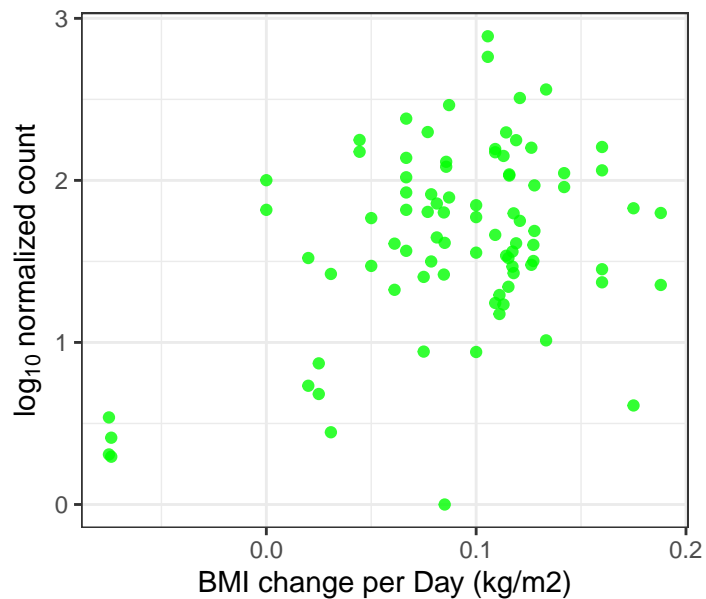
Jiangella

p = 0.0244



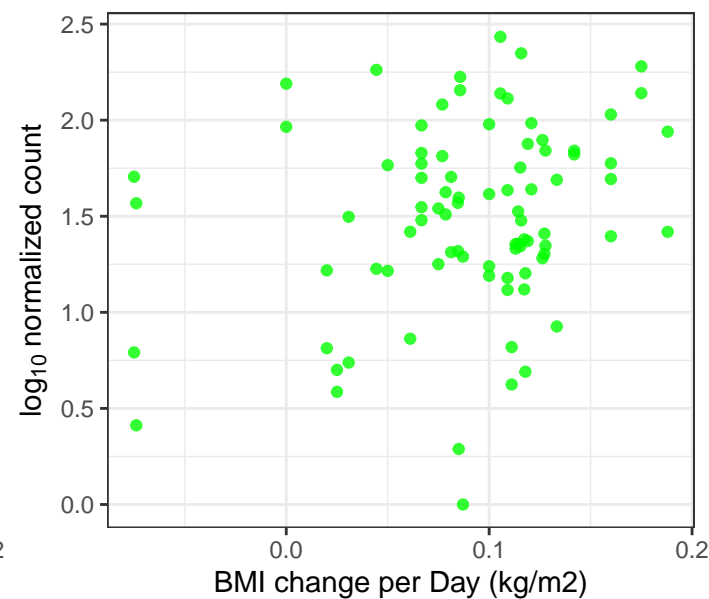
Variibacter

p = 0.0244



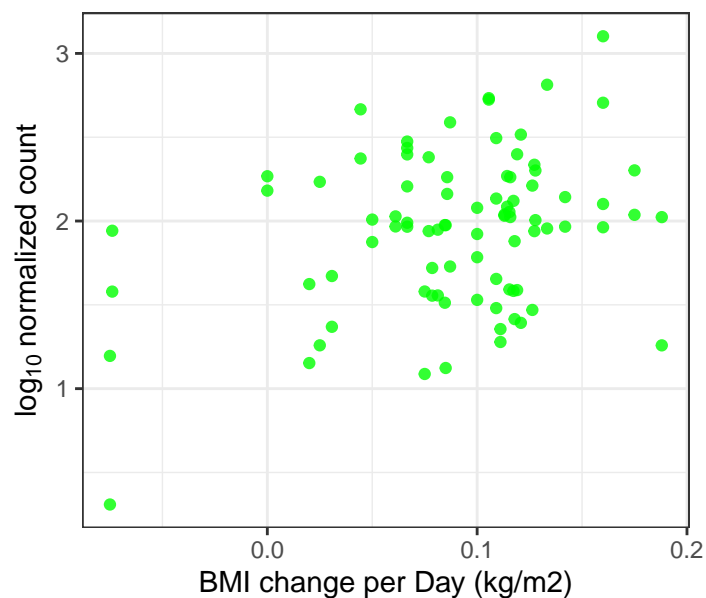
Thalassococcus

p = 0.0247



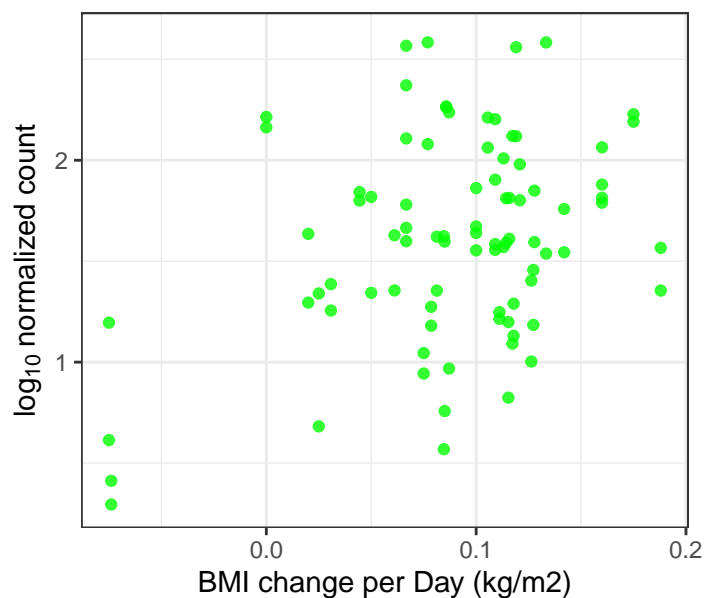
Unclassified Methanomassiliicoccaceae

p = 0.0247



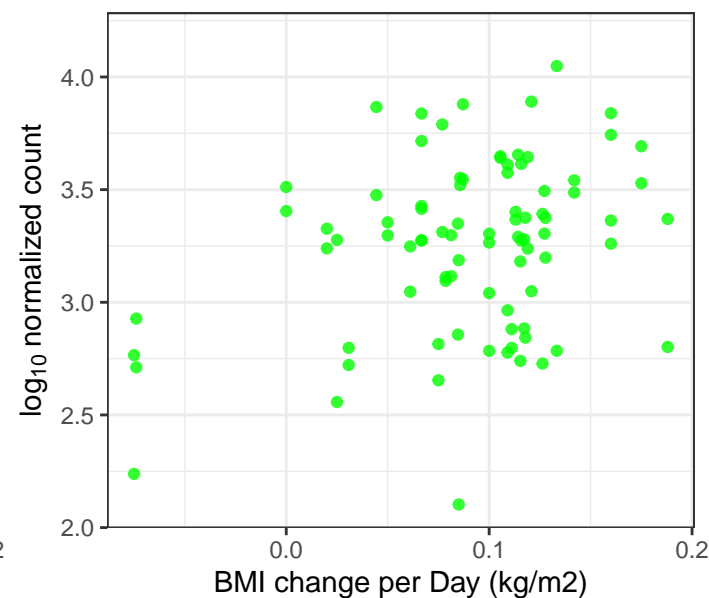
Natronomonas

p = 0.0248



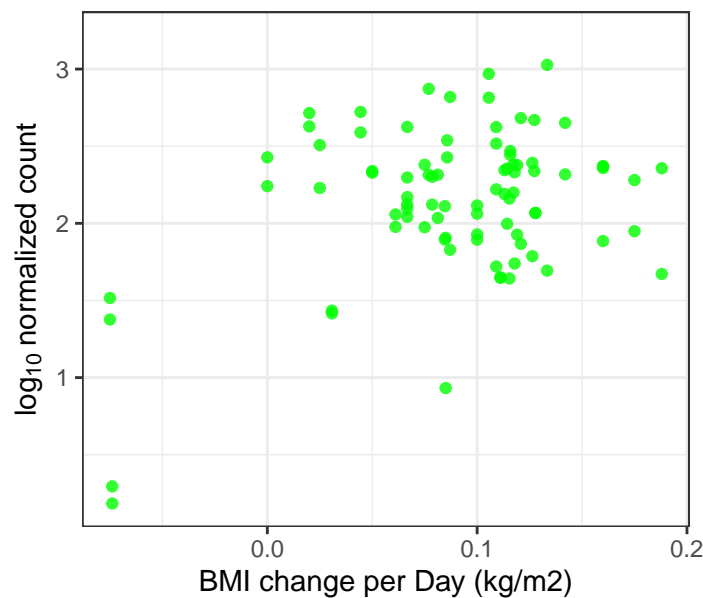
Rhodococcus

p = 0.0248



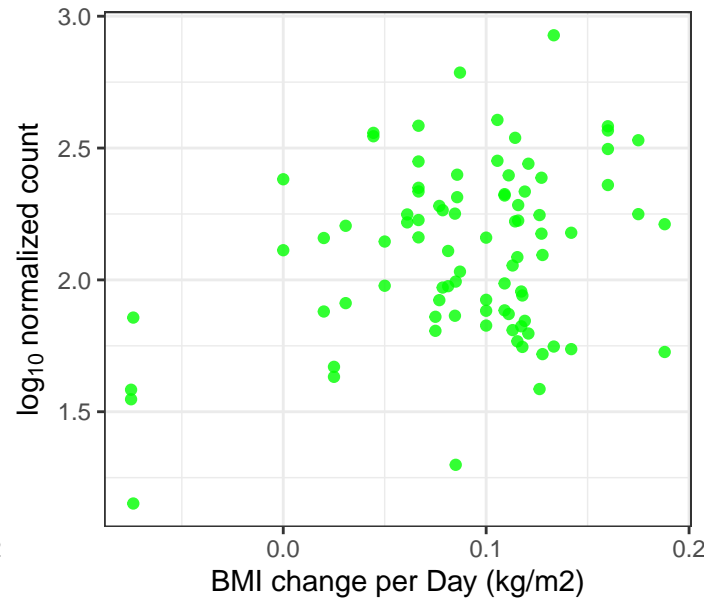
Microvirgula

p = 0.0252



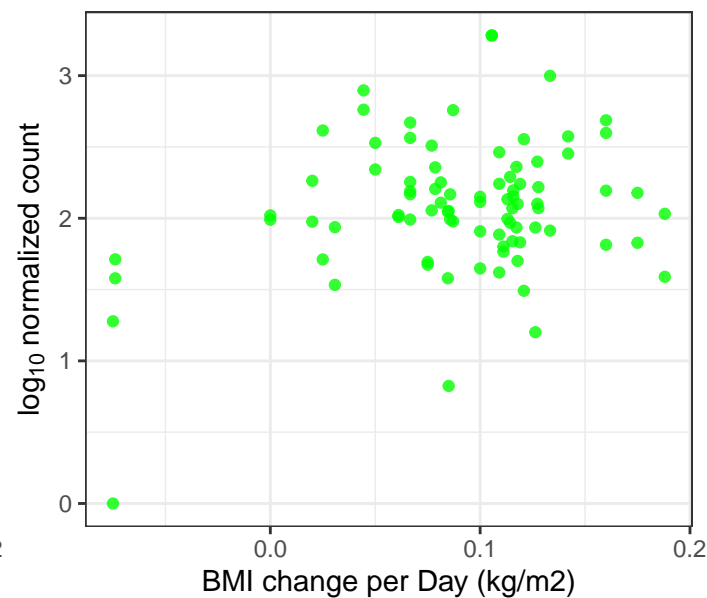
Hahella

p = 0.0254



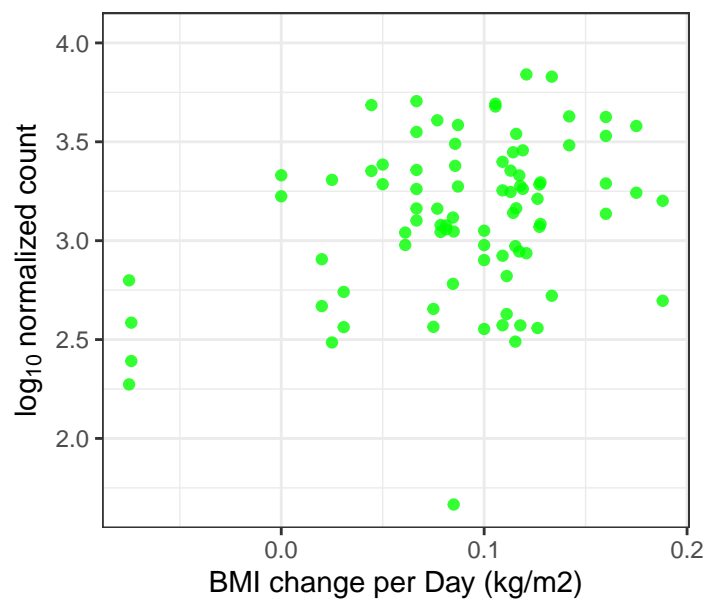
Hoeflea

p = 0.0254



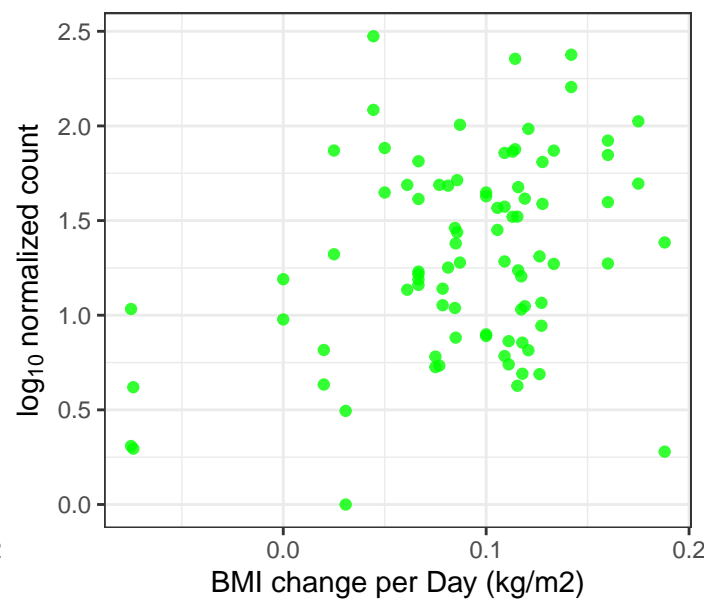
Massilia

p = 0.0257



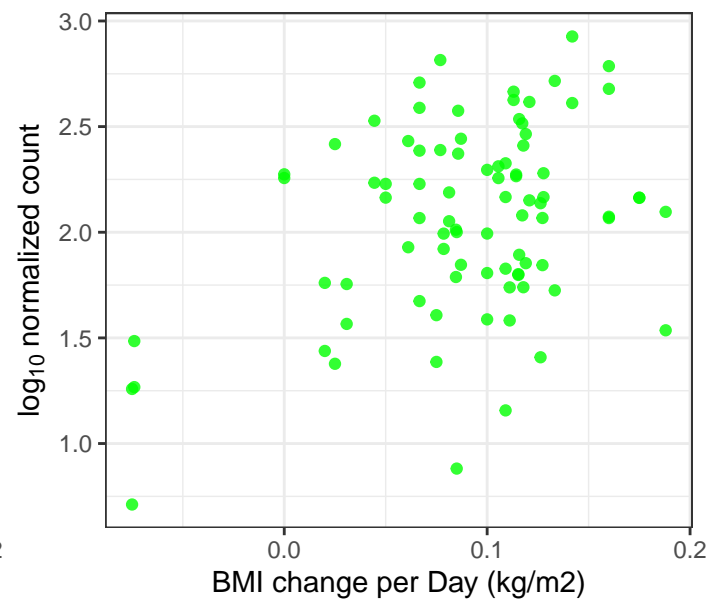
Halapricum

p = 0.0258



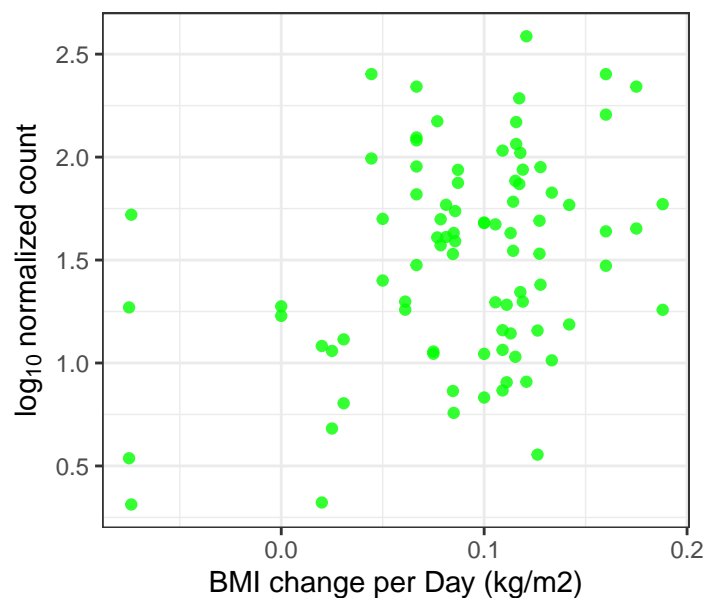
Sphingosinicella

p = 0.0258



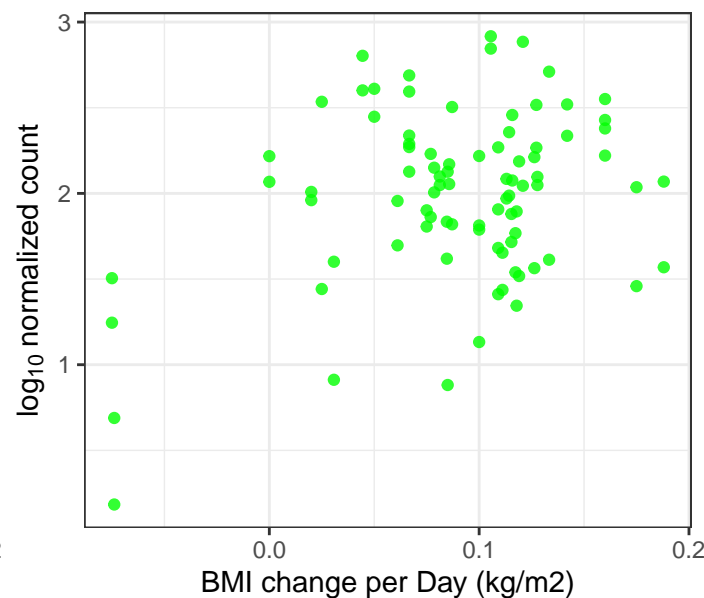
Unclassified Phyllobacteriaceae Family

p = 0.0258



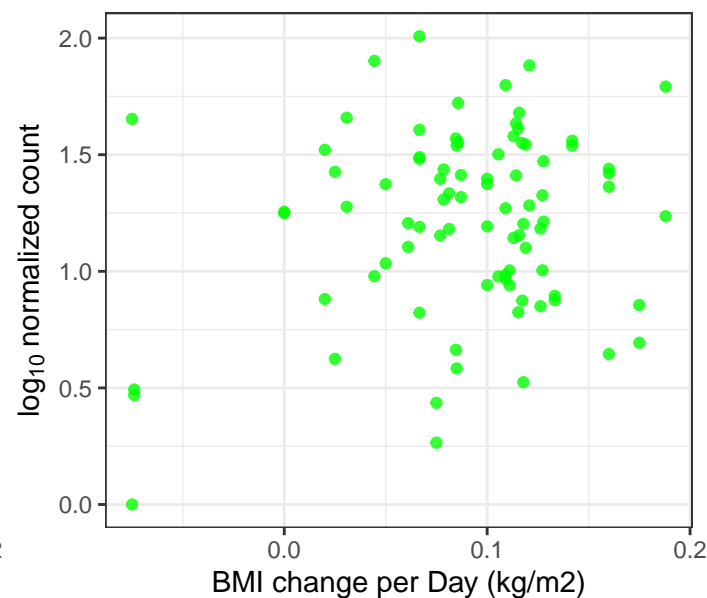
Oceanimonas

p = 0.0259



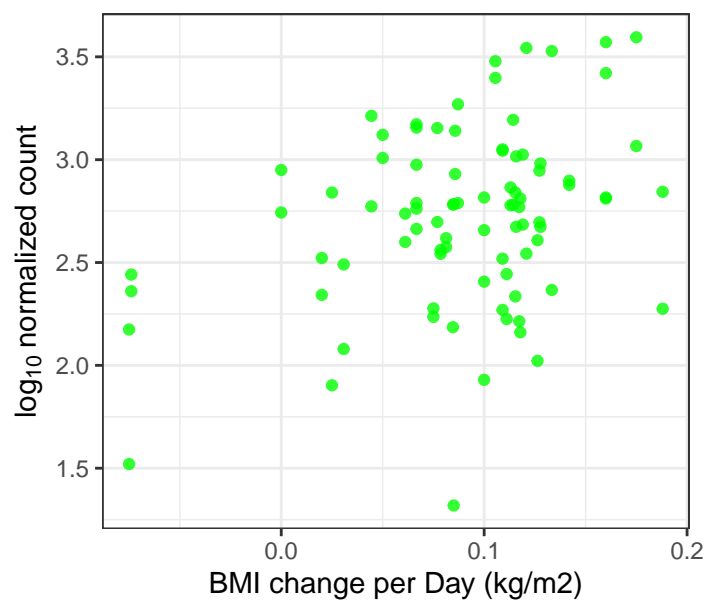
Methanosphaerula

p = 0.0262



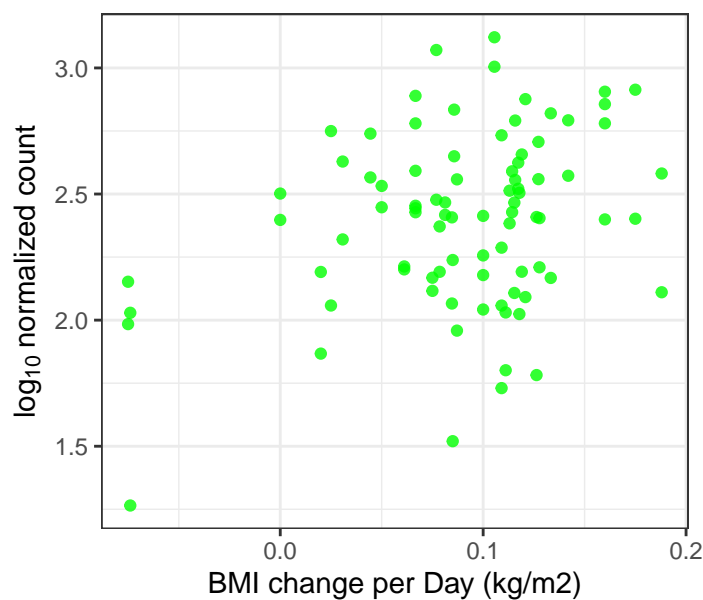
Rubrobacter

p = 0.0262



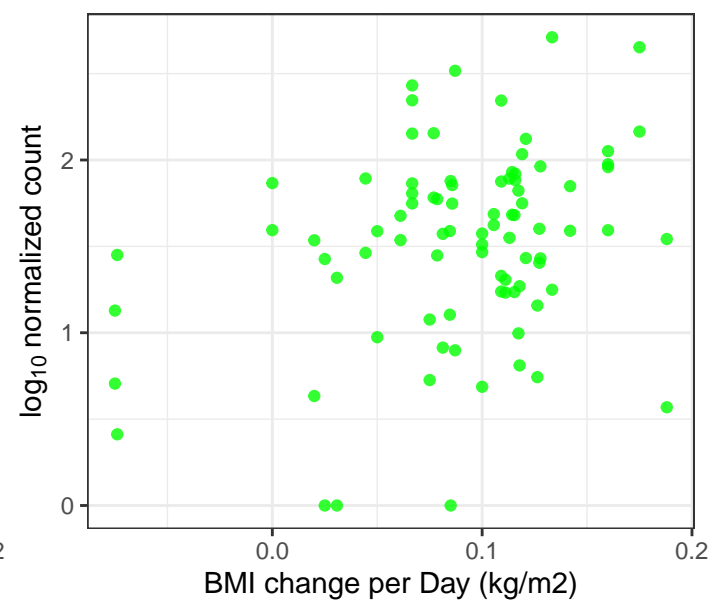
Alcaligenes

p = 0.0264



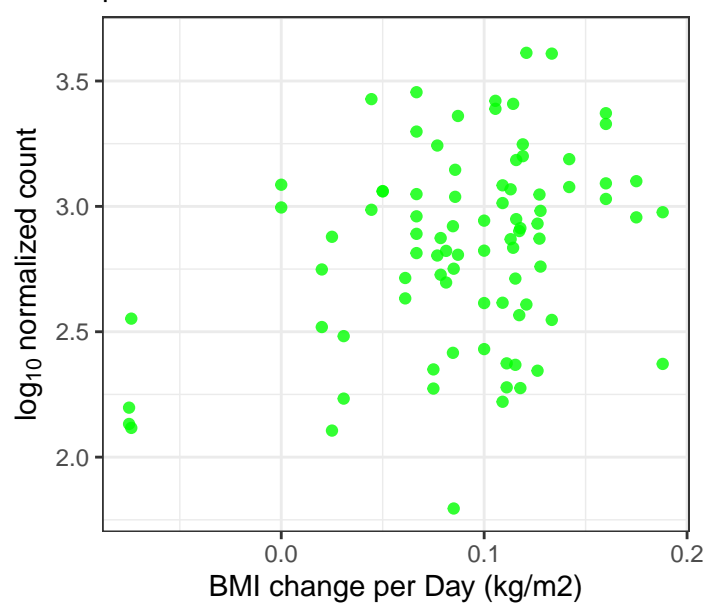
Candidatus Bipolaricaulis

p = 0.0264



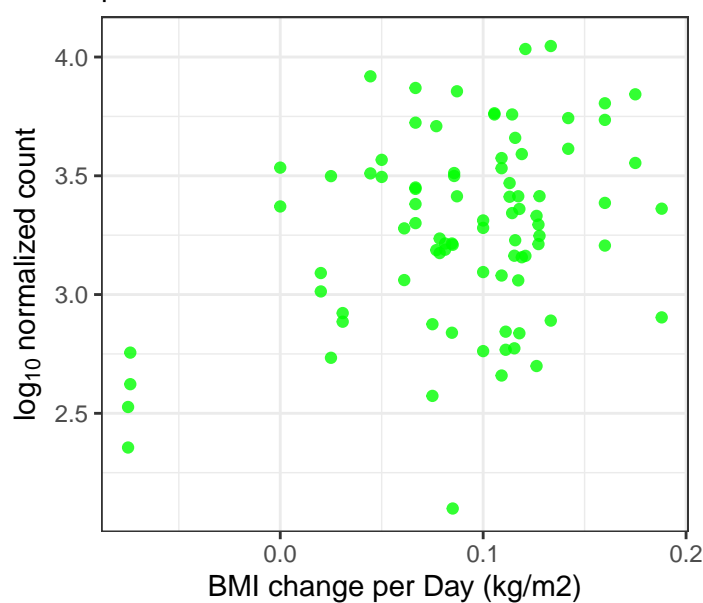
Chromobacterium

p = 0.0264



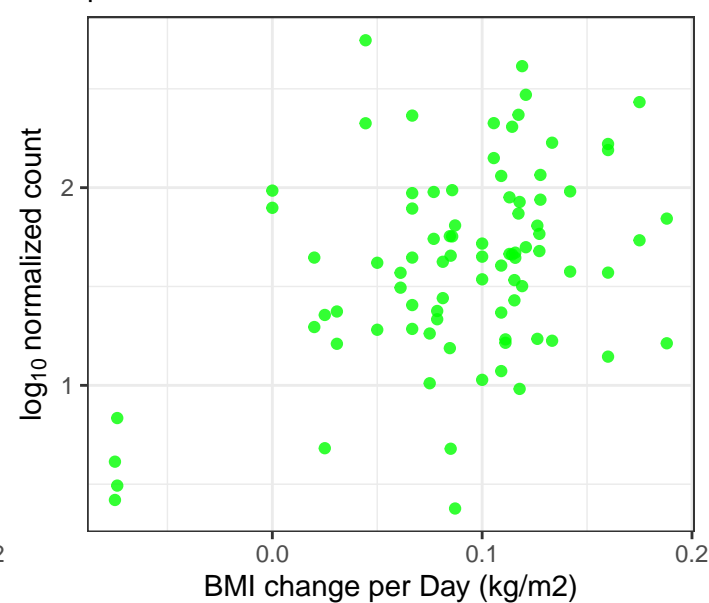
Cupriavidus

p = 0.0264



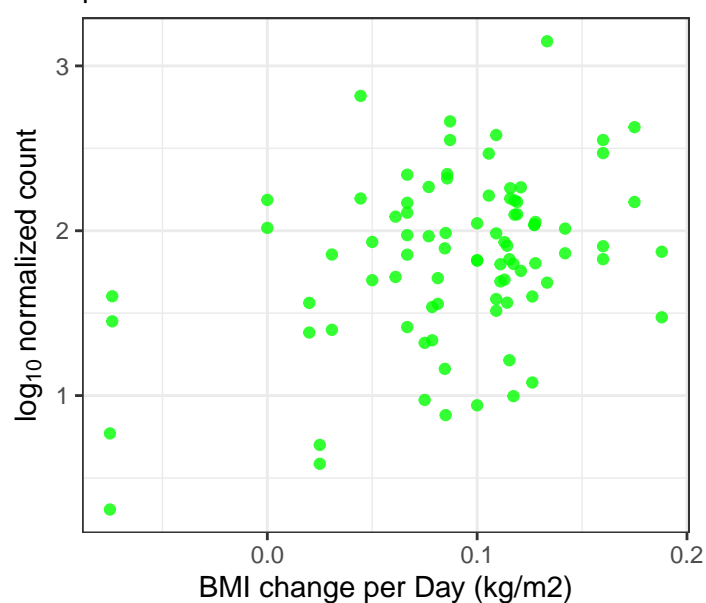
Candidatus Phaeomarinobacter

p = 0.0266



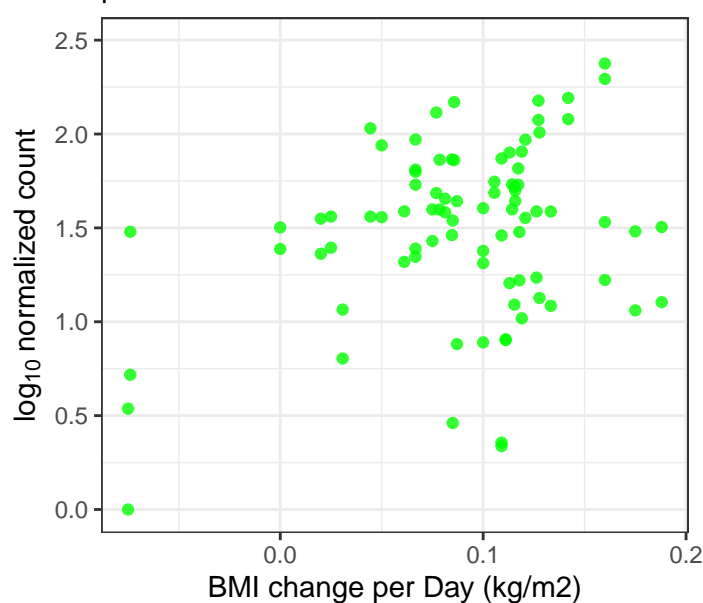
Marinovum

p = 0.0269



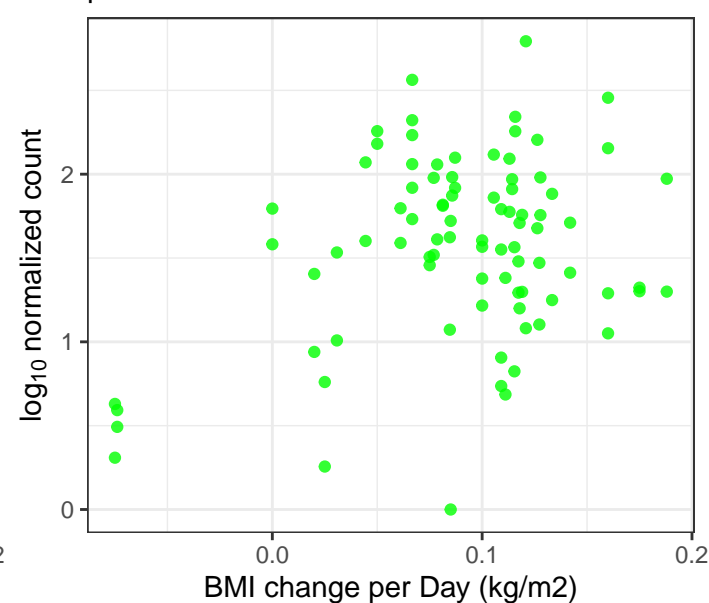
Beijerinckia

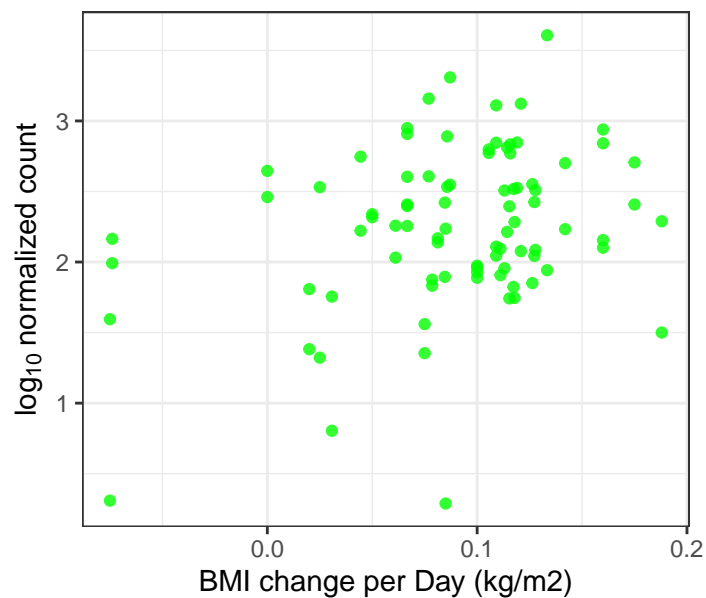
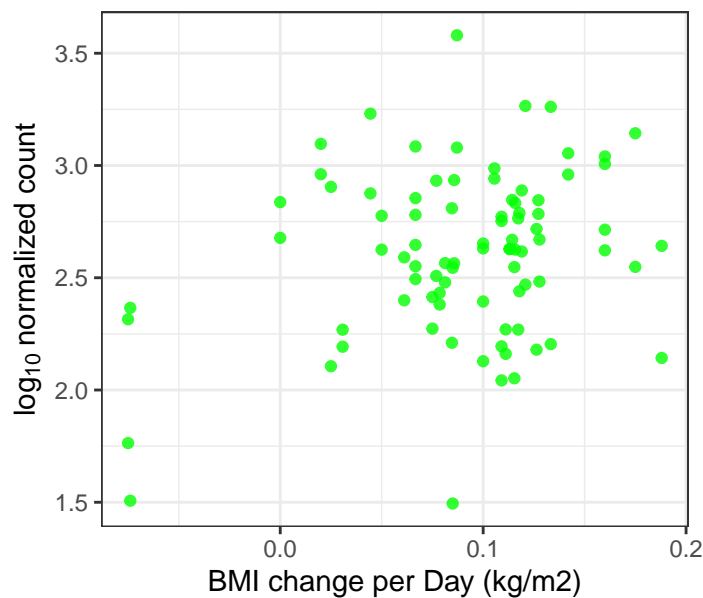
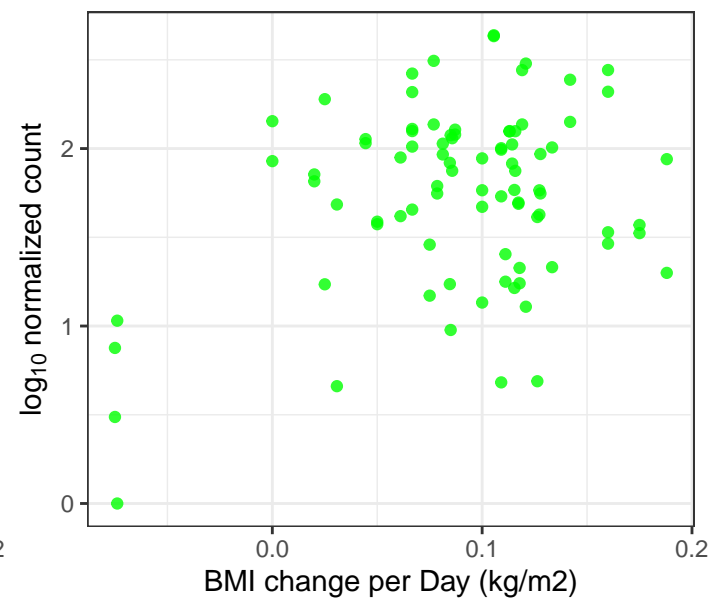
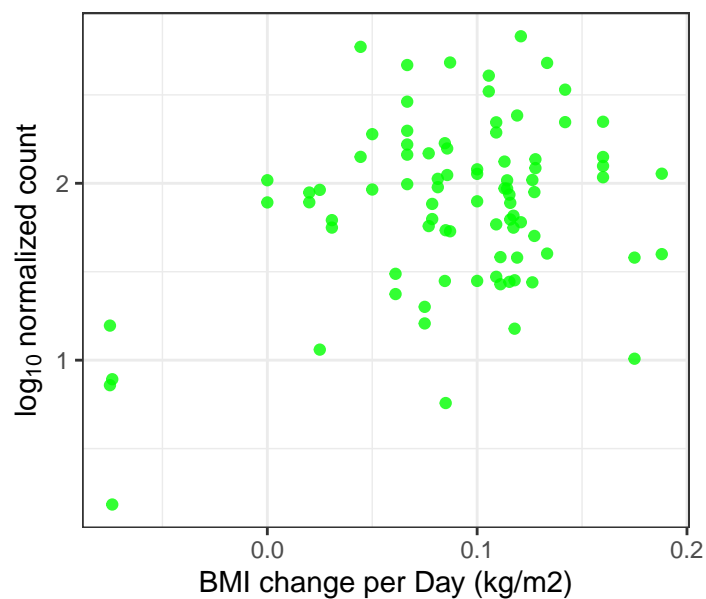
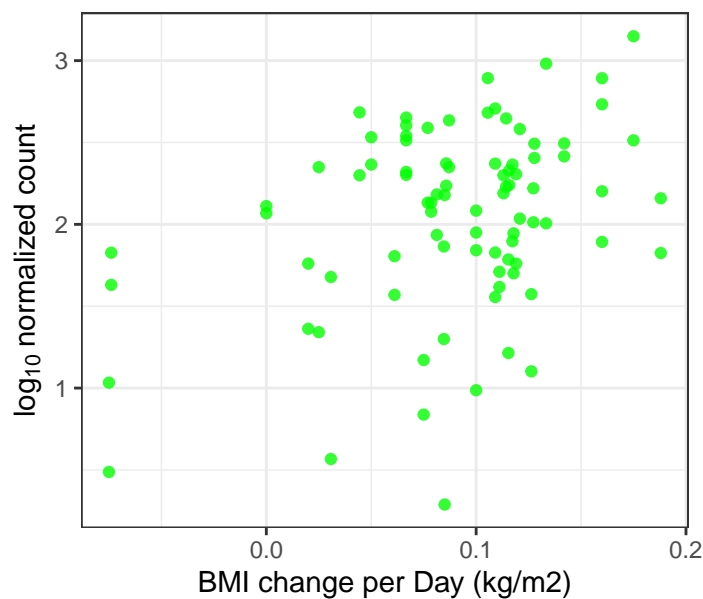
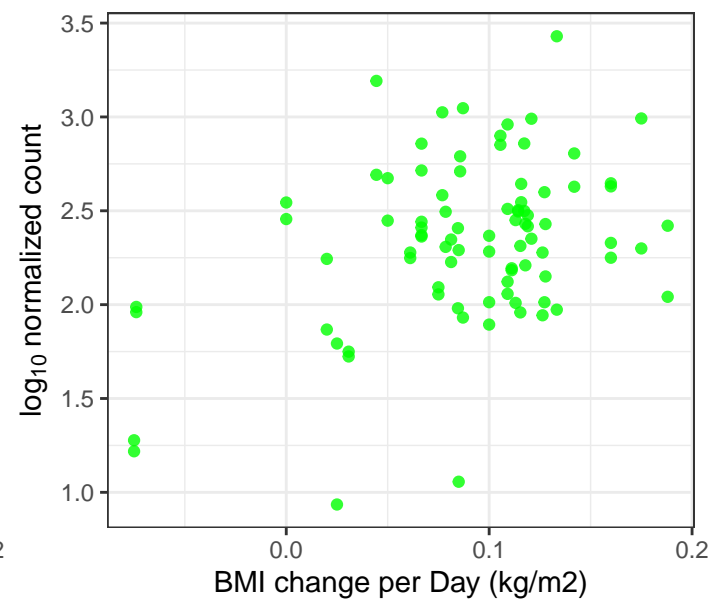
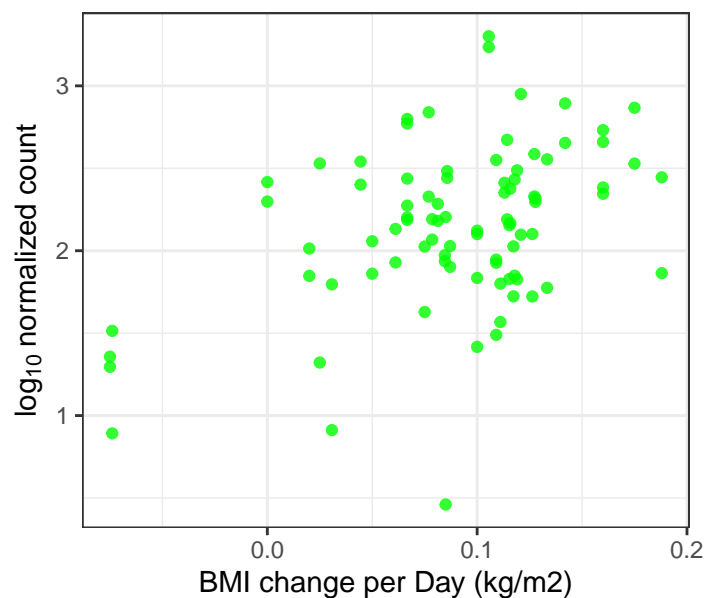
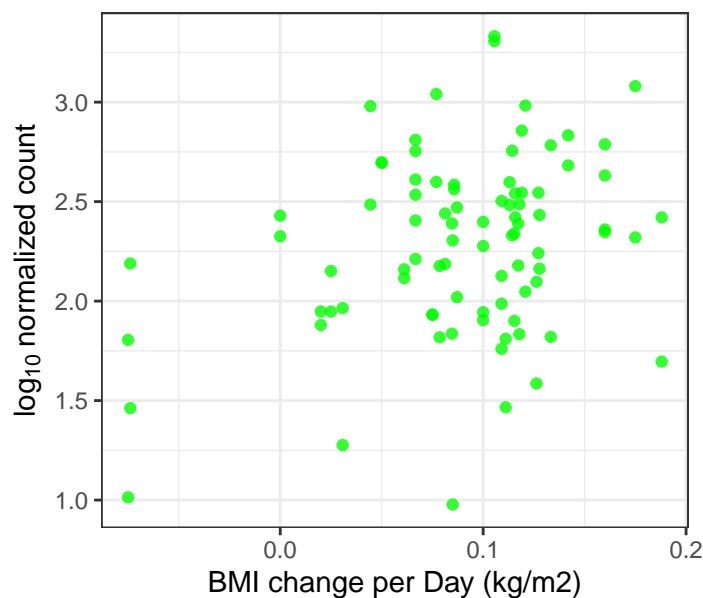
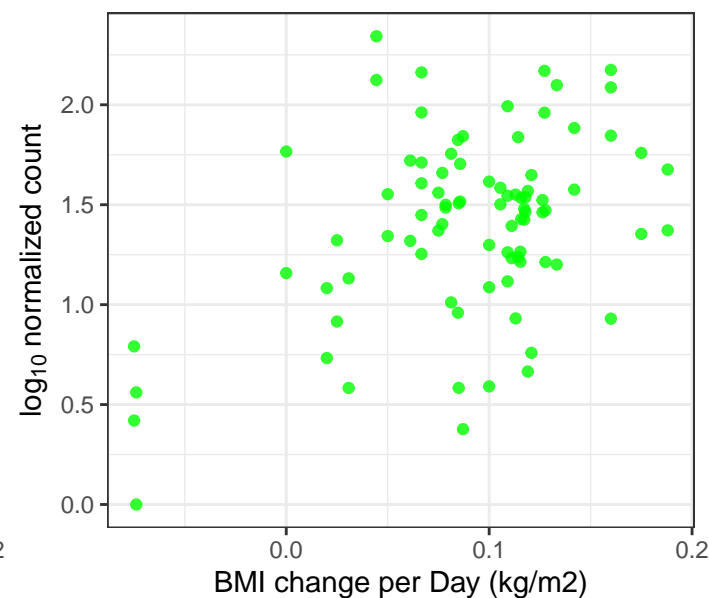
p = 0.0269



Afipia

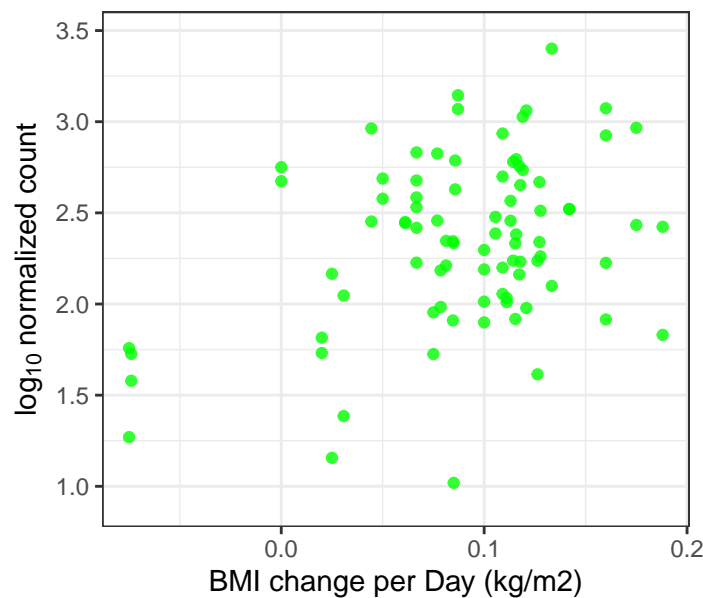
p = 0.027



Baekduia $p = 0.0274$ **Alcanivorax** $p = 0.028$ **Crenobacter** $p = 0.028$ **Antarctobacter** $p = 0.0281$ **Dokdonella** $p = 0.0281$ **Hypomicrobium** $p = 0.0286$ **Ancylobacter** $p = 0.0287$ **Candidatus Desulforudis** $p = 0.0287$ **Cycloclasticus** $p = 0.0287$ 

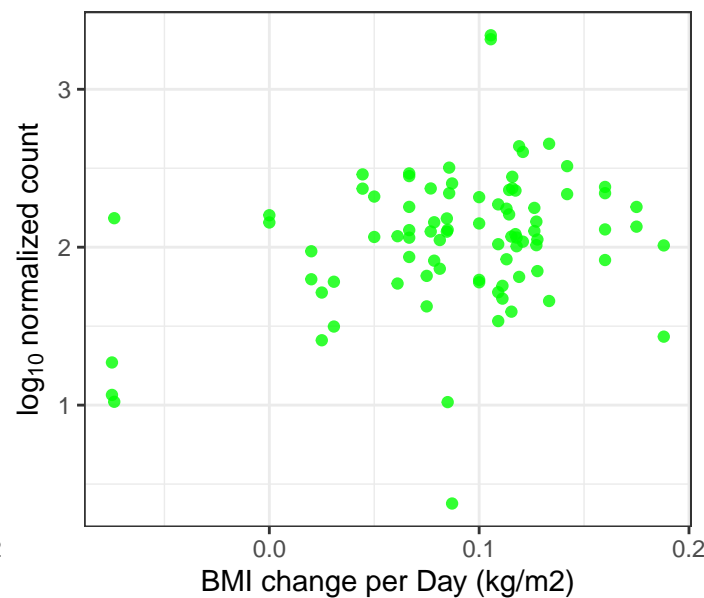
Hypericibacter

p = 0.0287



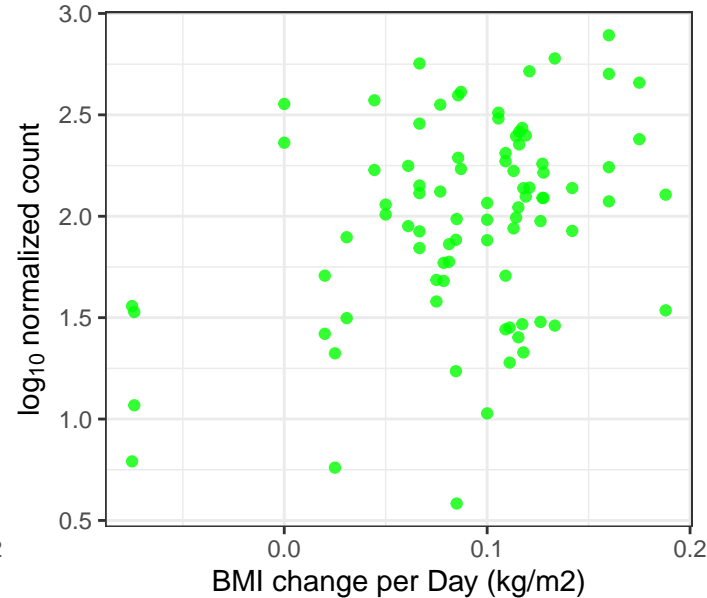
Brucella

p = 0.0291



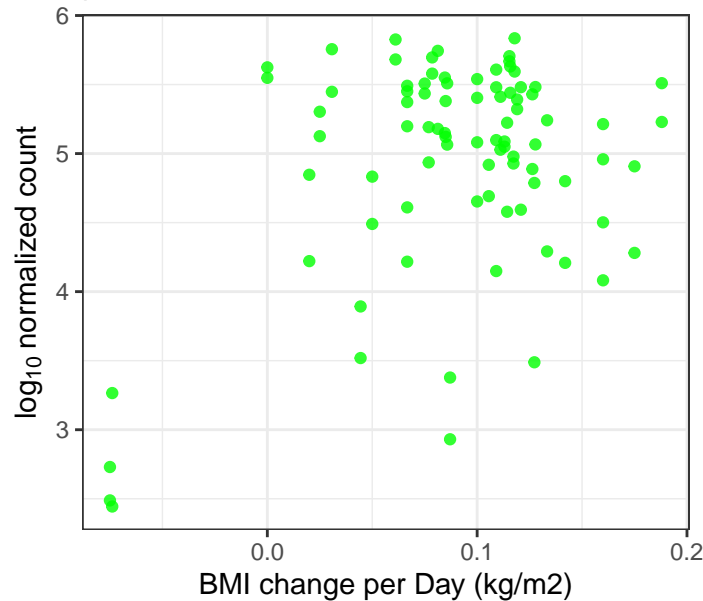
Unclassified Iamiaceae Family

p = 0.0297



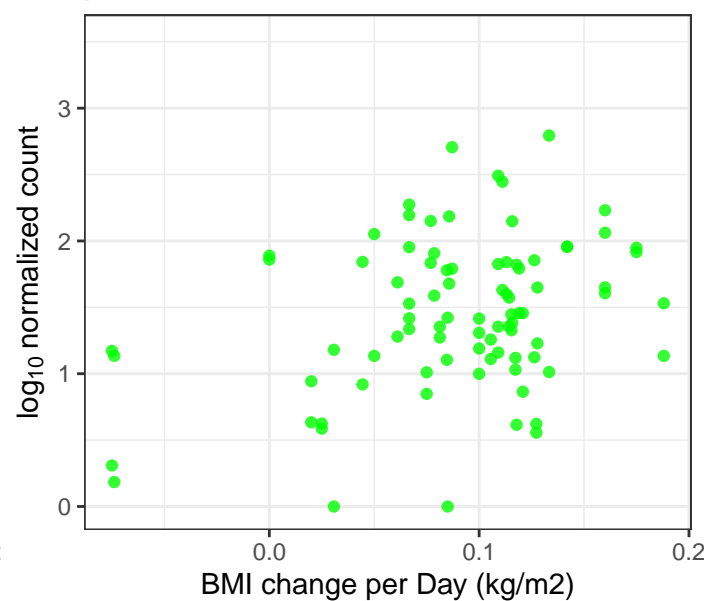
Unclassified Bacteroidales Order

p = 0.0297



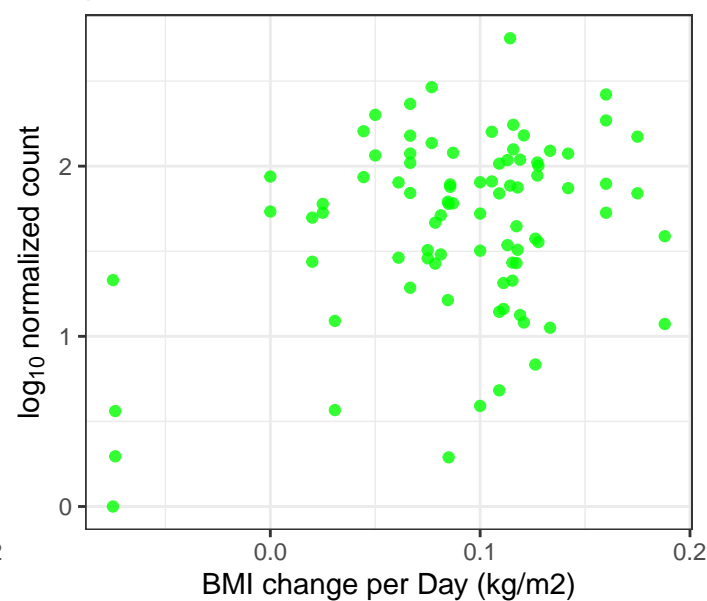
Zhihengliuella

p = 0.0297



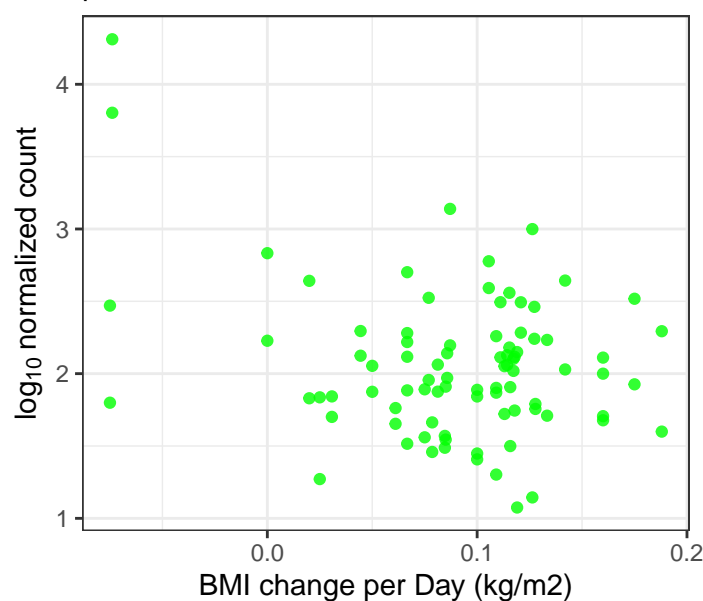
Unclassified Archangiaceae Family

p = 0.03



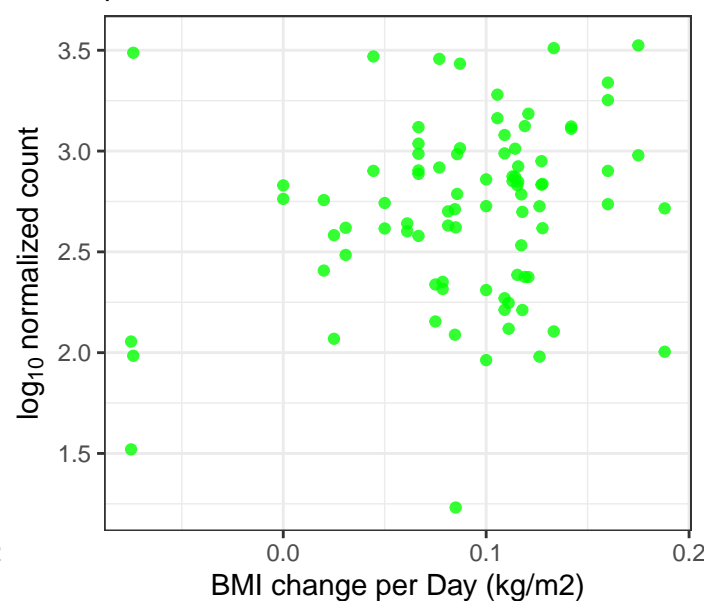
Unclassified Lactobacillaceae Family

p = 0.03



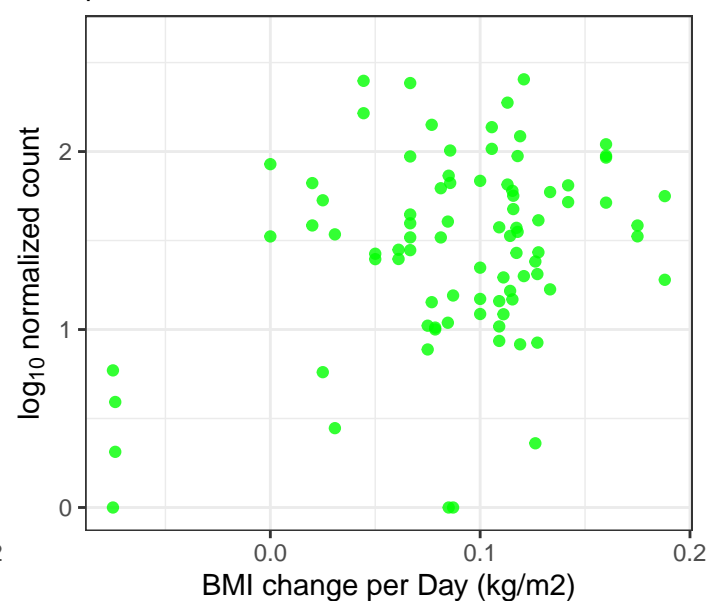
Heliobacterium

p = 0.0304



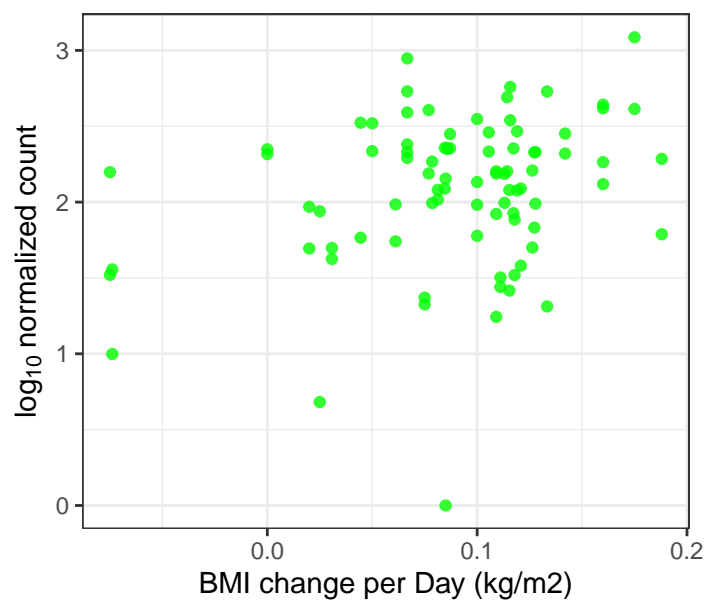
Unclassified Planctomycetia Class

p = 0.0304



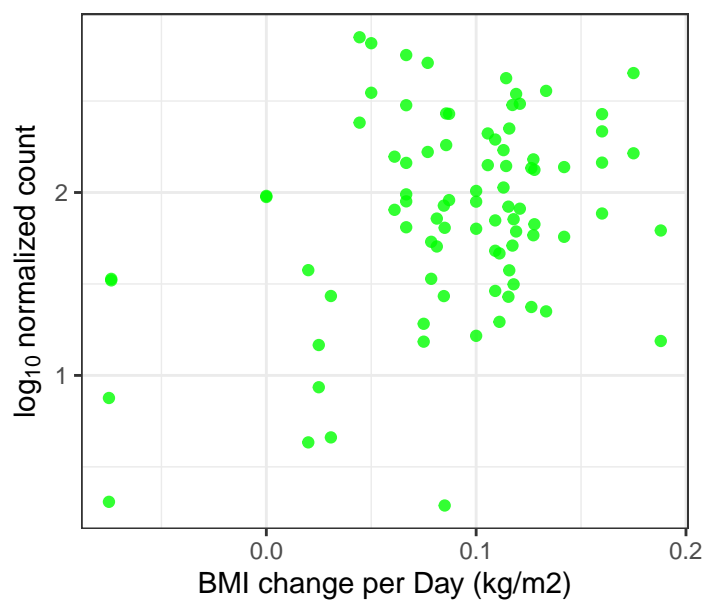
Methylosinus

p = 0.0305



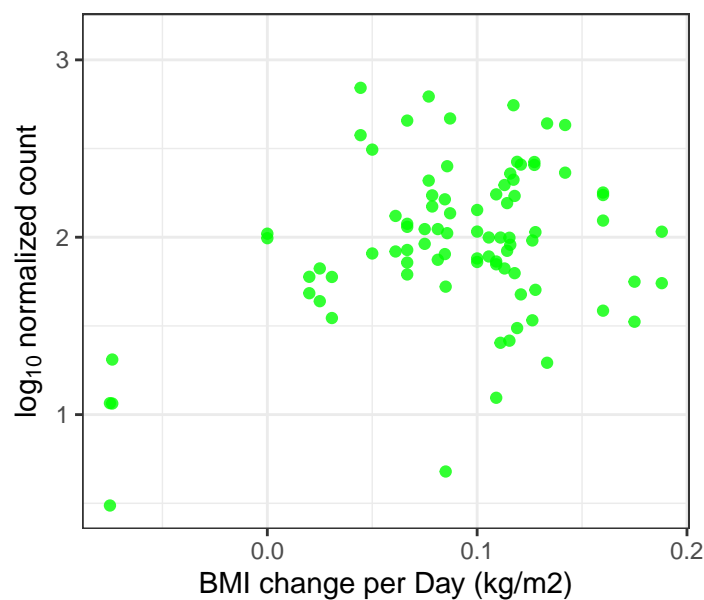
Breoghania

p = 0.0308



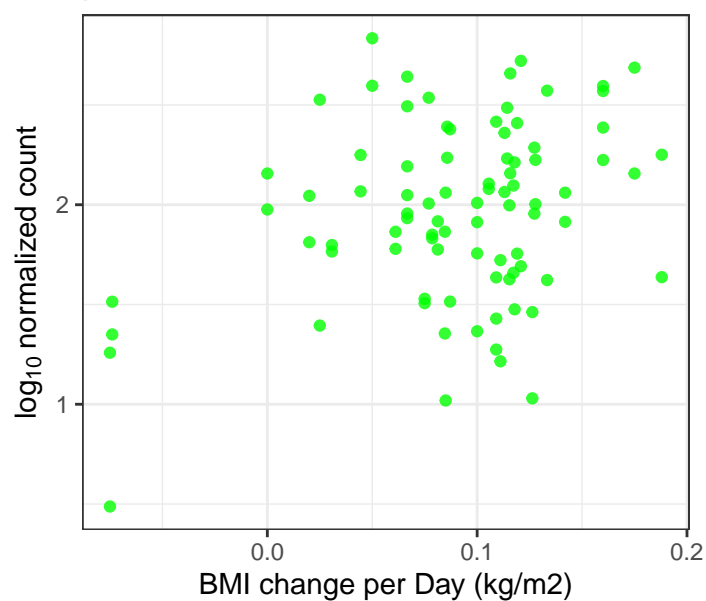
Micavibrio

p = 0.0311



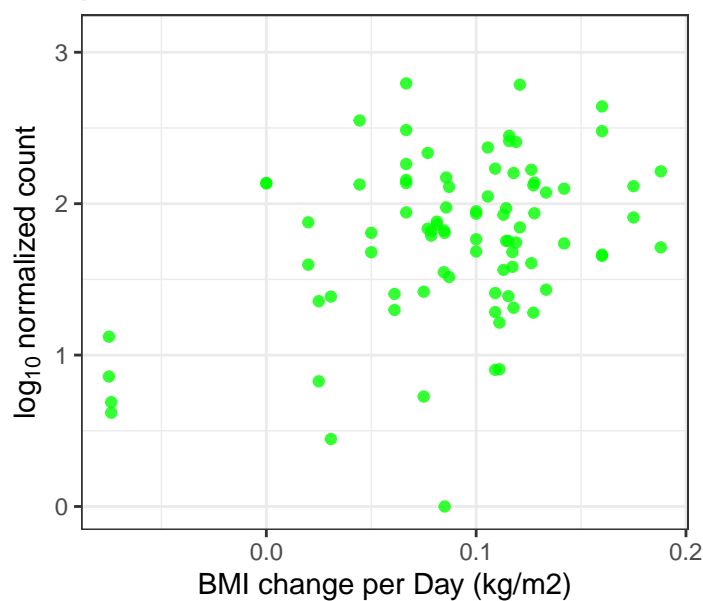
Natronolimnobius

p = 0.0311



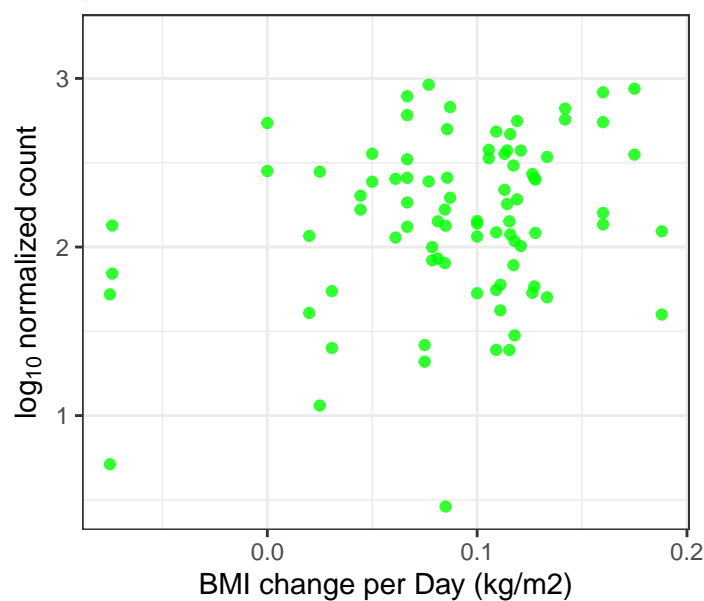
Salinisphaera

p = 0.0311



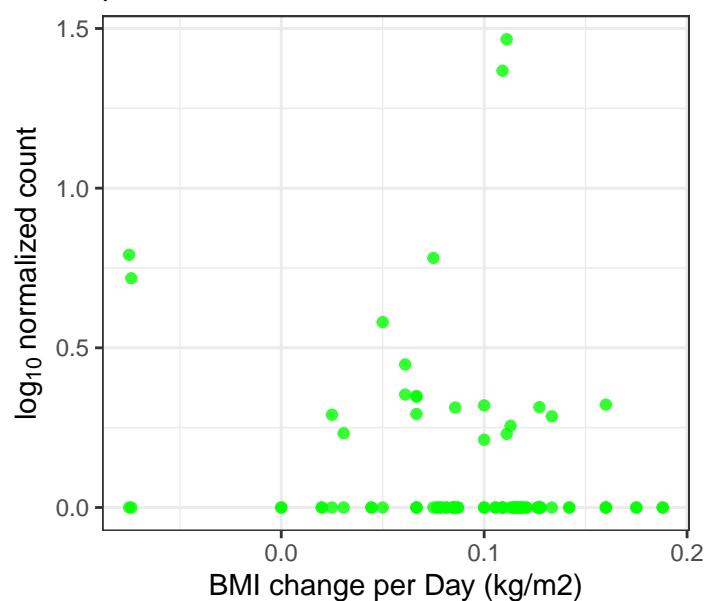
Sanguibacter

p = 0.0311



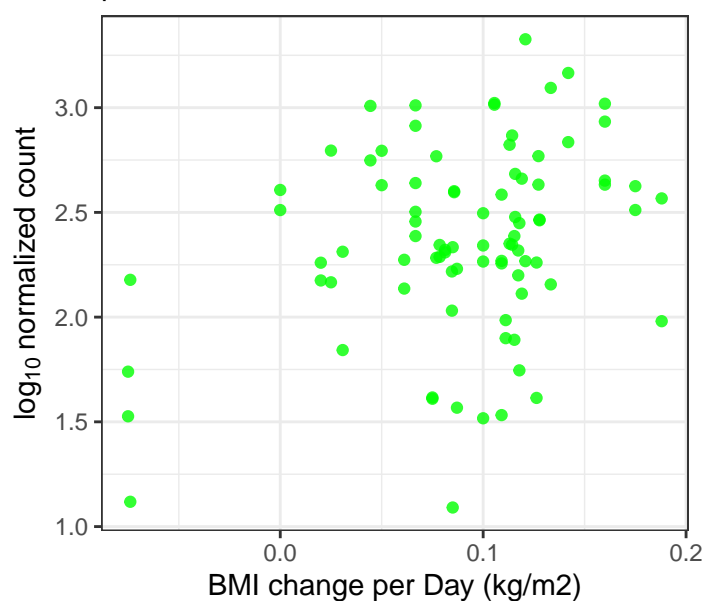
Unclassified Acholeplasmataceae Fami

p = 0.0311



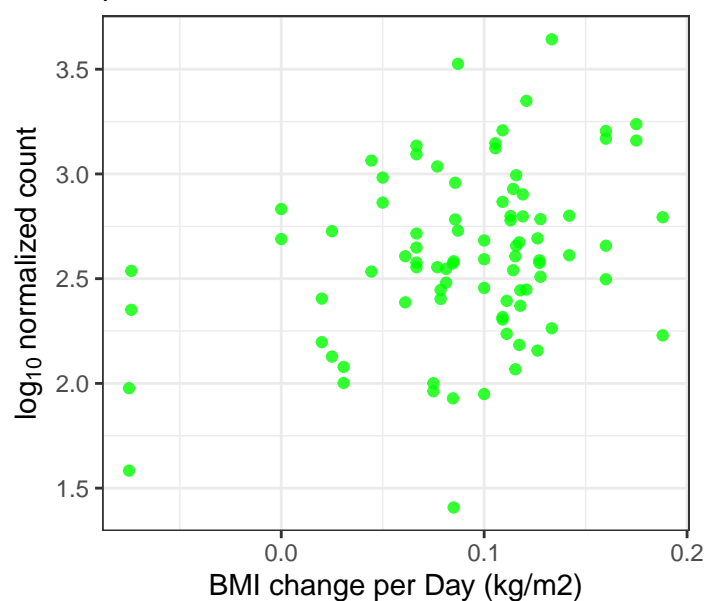
Polaromonas

p = 0.0312



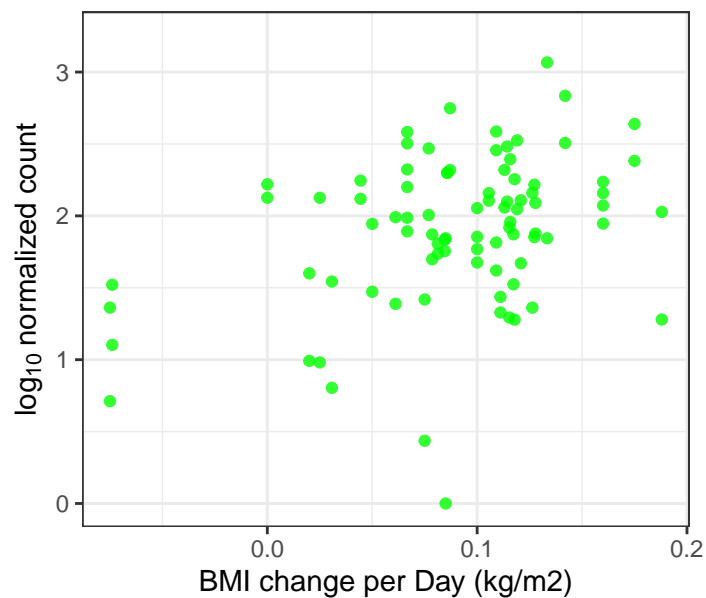
Saccharomonospora

p = 0.0312



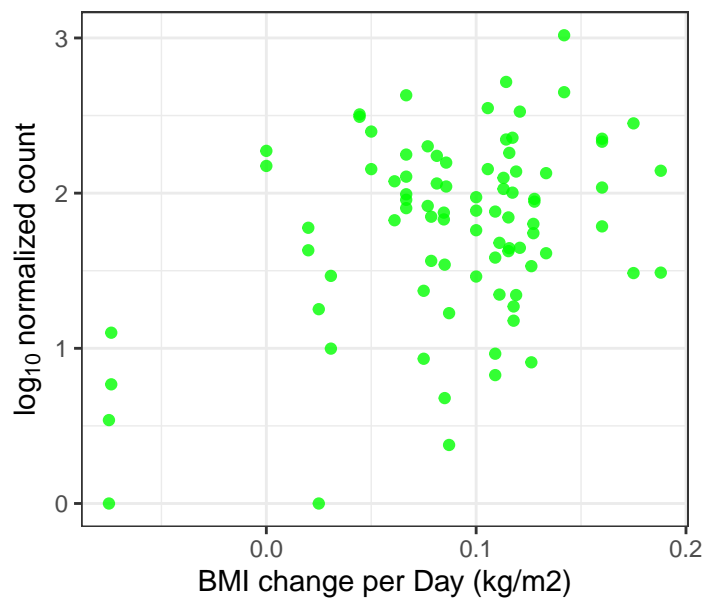
Salinicola

p = 0.0312



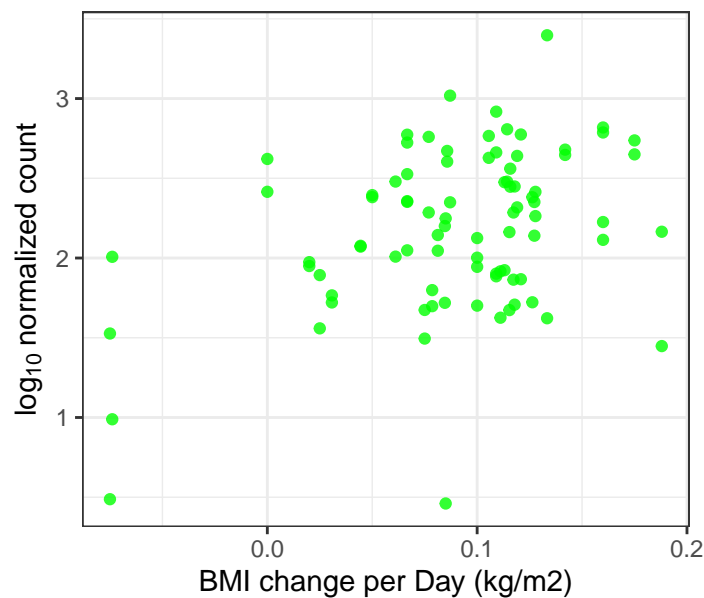
Pseudorhodoplanes

p = 0.0312



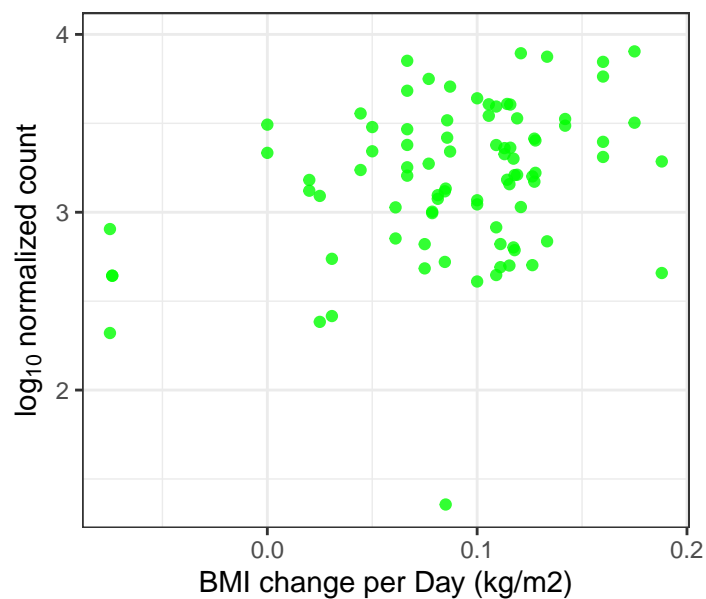
Conexibacter

p = 0.0314



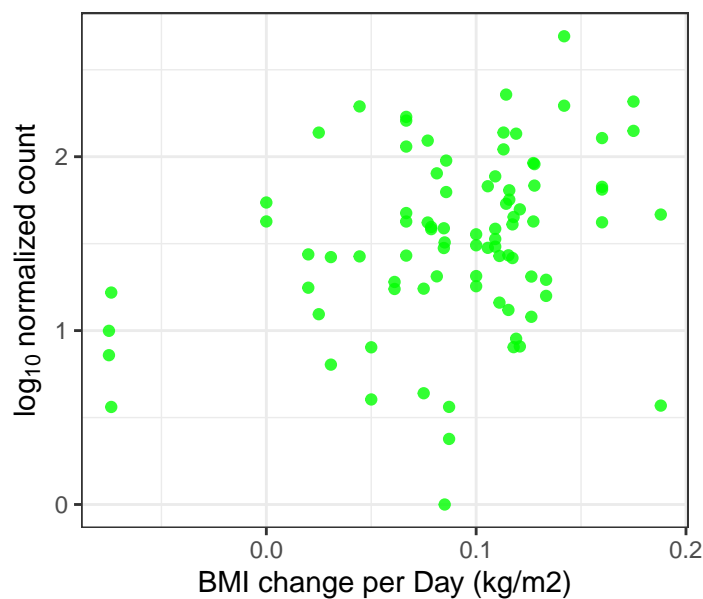
Nocardioides

p = 0.0317



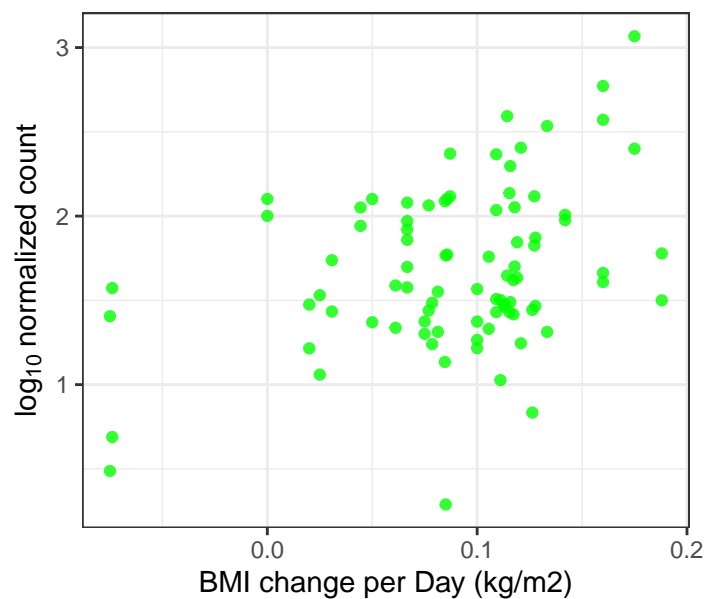
Sphingosinithalassobacter

p = 0.0318



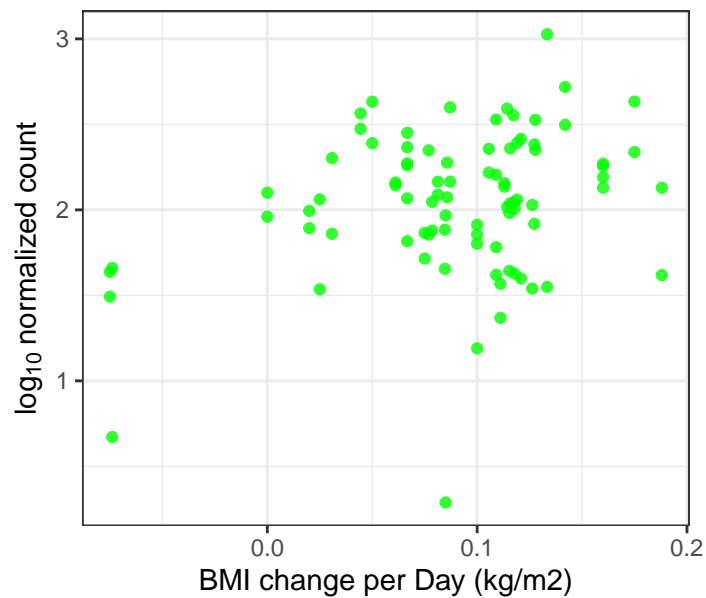
Methanofollis

p = 0.0321



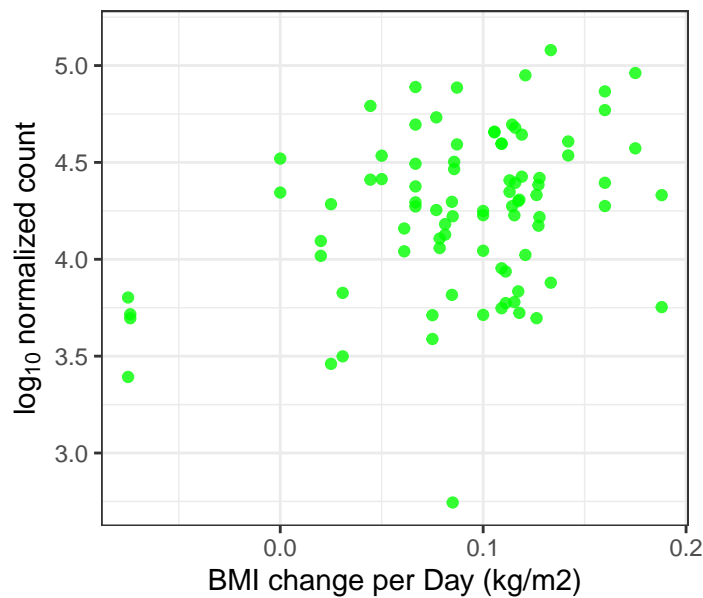
Unclassified Armatimonadetes Phylum

p = 0.0325



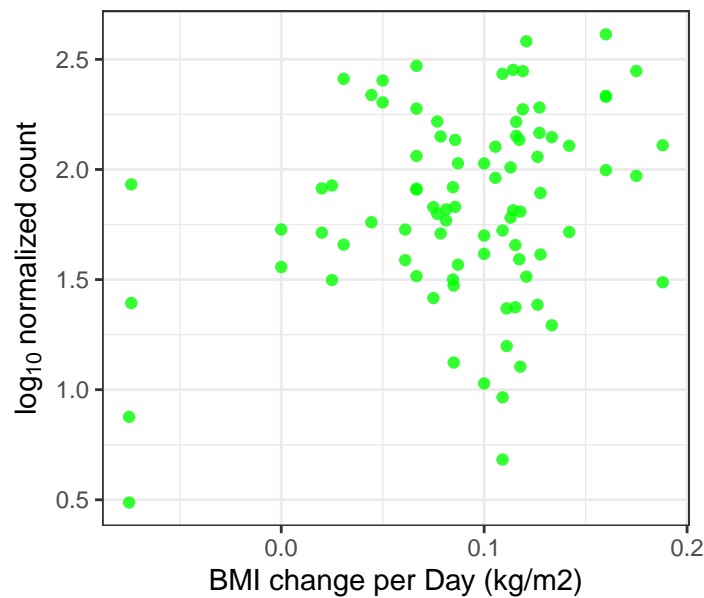
Streptomyces

p = 0.0325



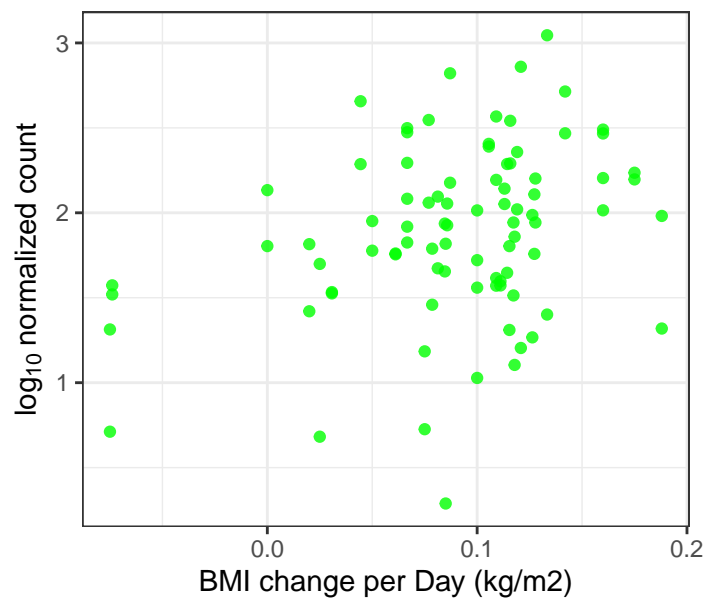
Methylococcus

p = 0.0325



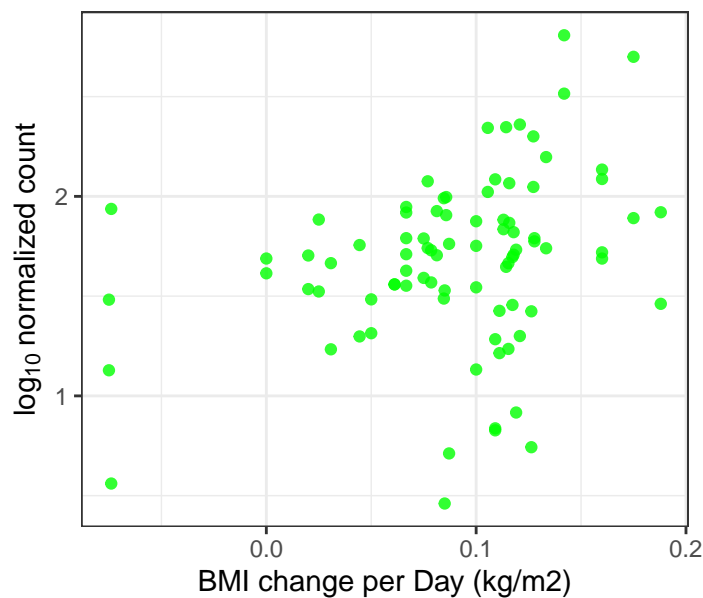
Actinopolyspora

p = 0.0329



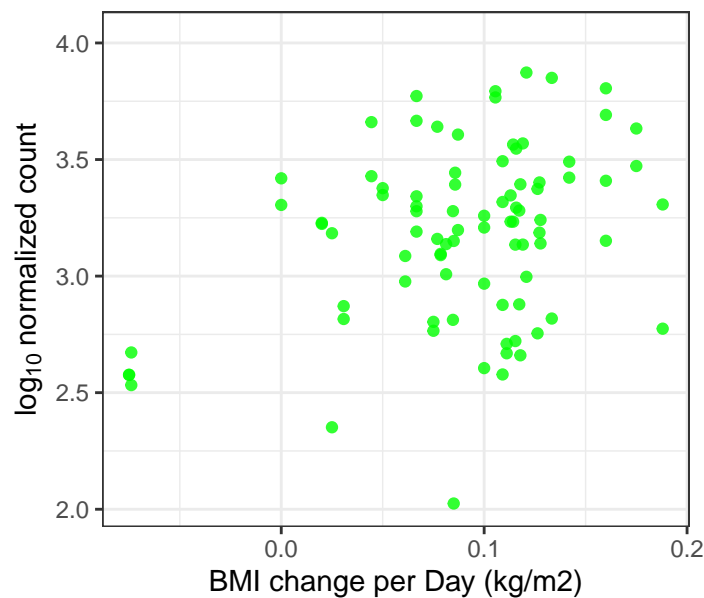
Aurantimicrobium

p = 0.0329



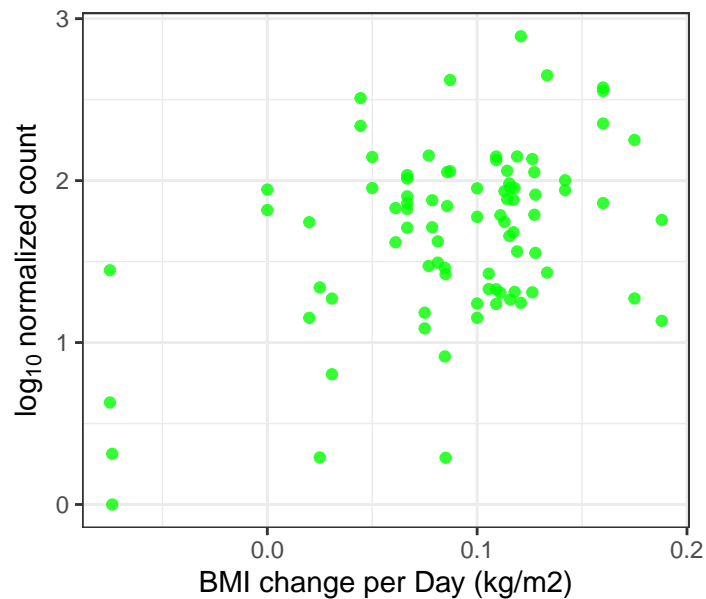
Bordetella

p = 0.0329



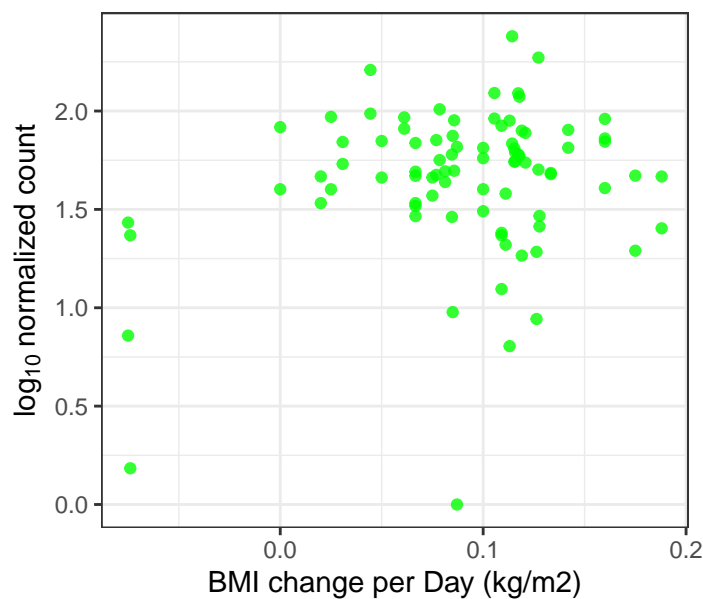
Boseongicola

p = 0.0329



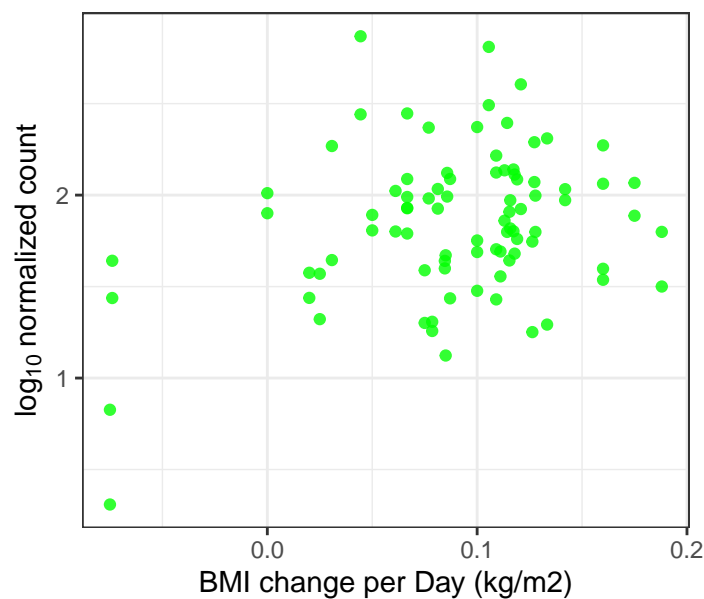
Grimontia

p = 0.0329



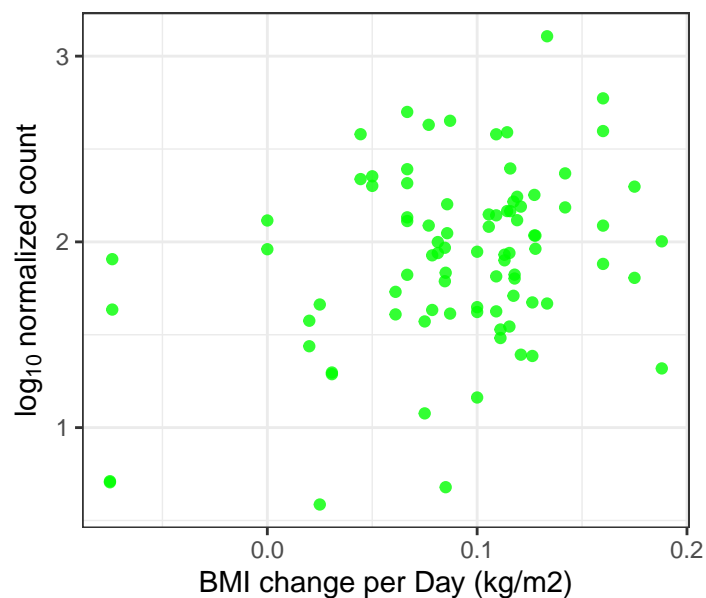
Methanoregula

p = 0.0329



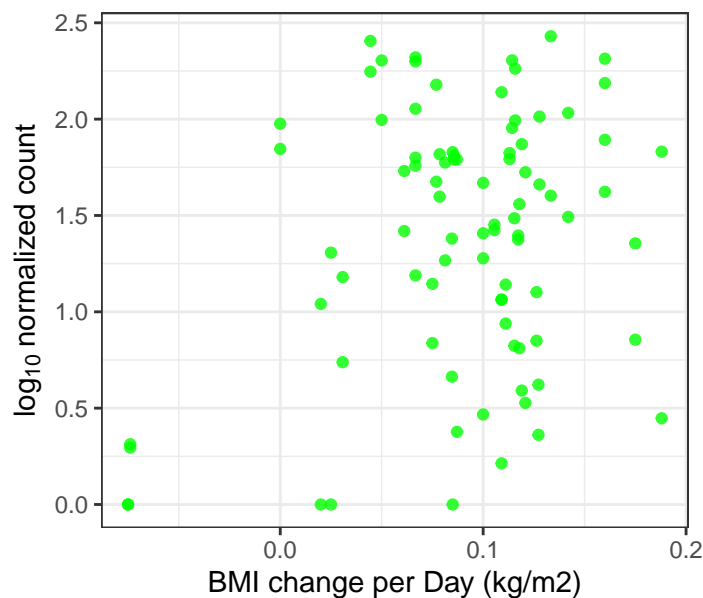
Youhaiella

p = 0.0329



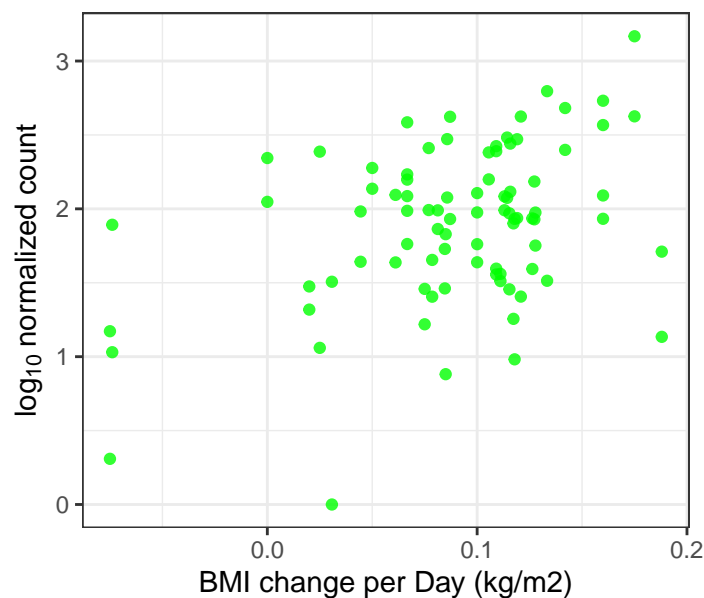
Qipengyuania

p = 0.033



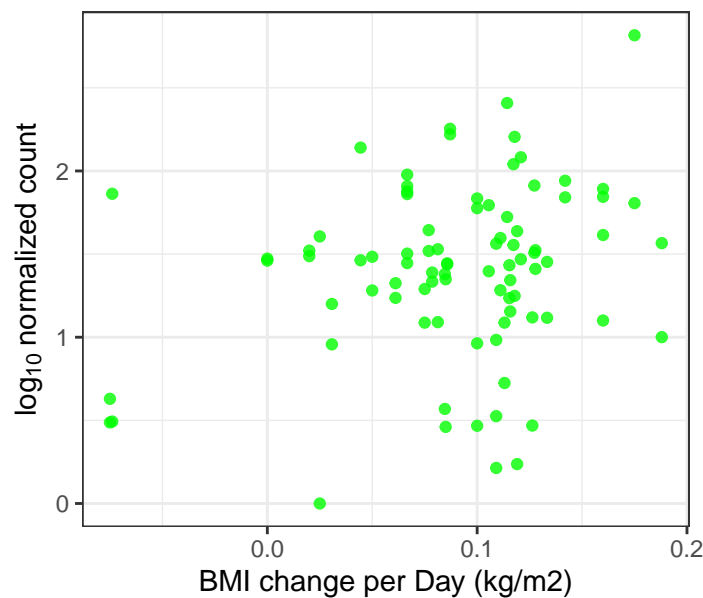
Arsenicicoccus

p = 0.033



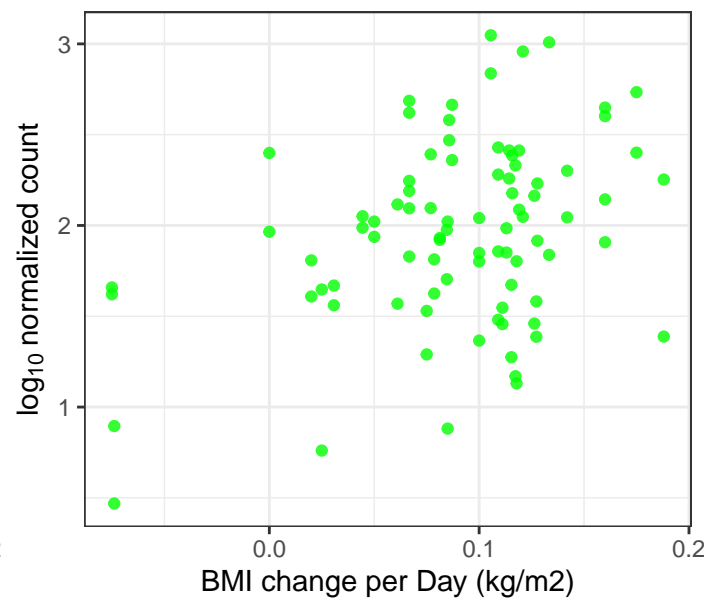
Parasaccharibacter

p = 0.0331



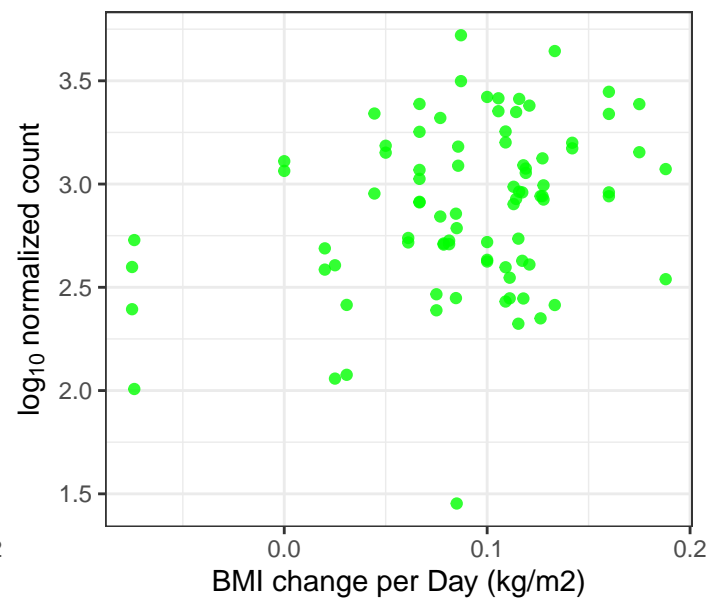
Propioniciclava

p = 0.0331



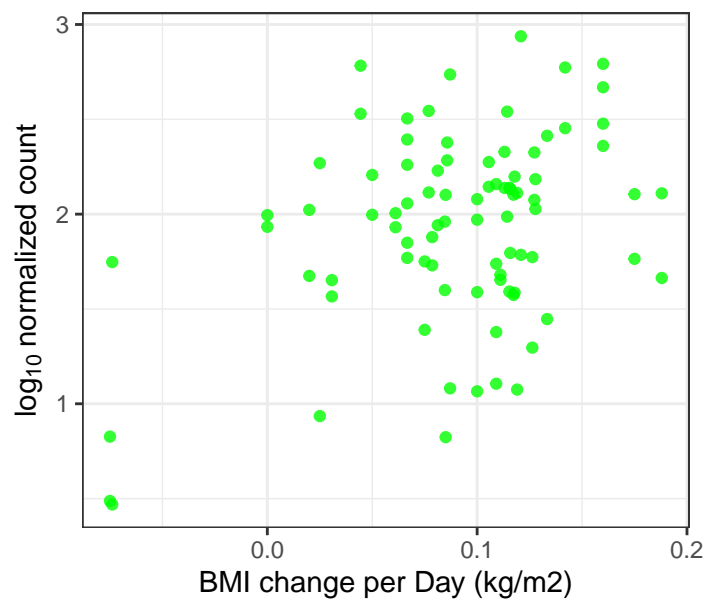
Ralstonia

p = 0.0331



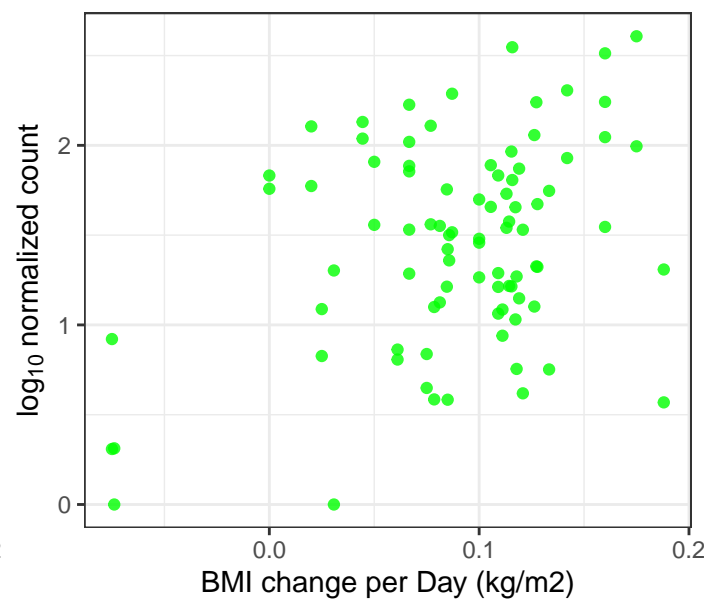
Desulfoglaeba

p = 0.0331



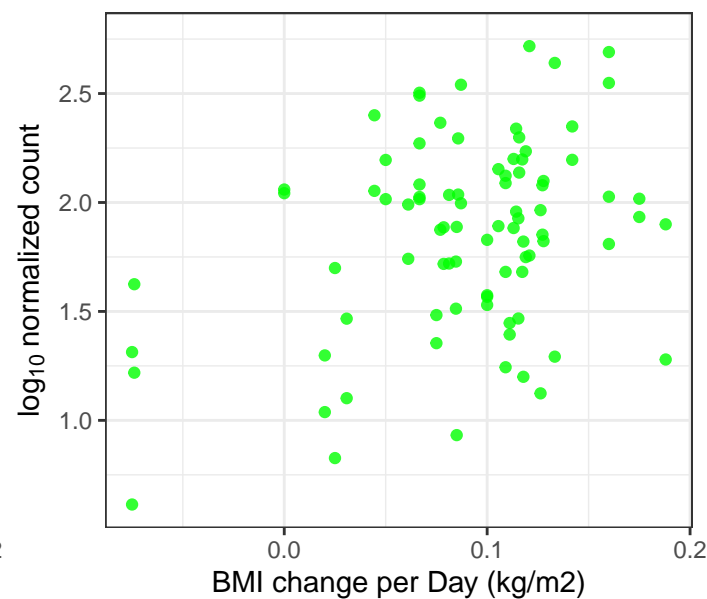
Halovivax

p = 0.0332



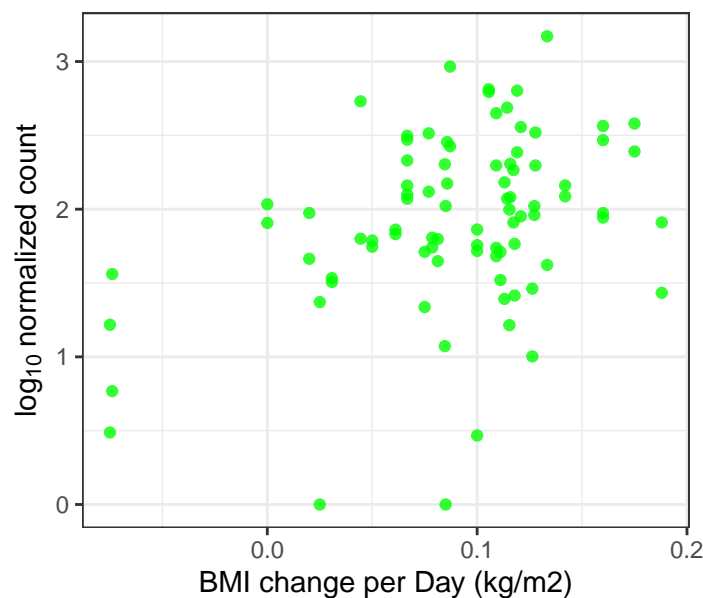
Unclassified Xanthomonadales Order

p = 0.0333



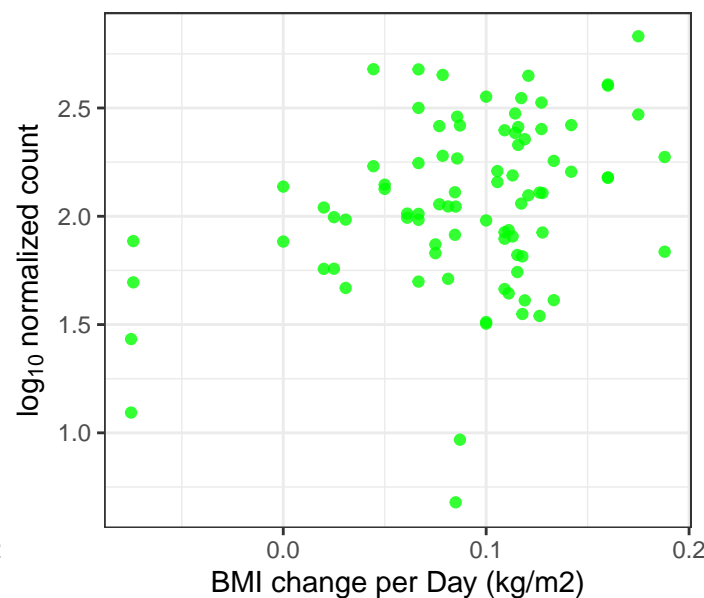
Blastococcus

p = 0.0334



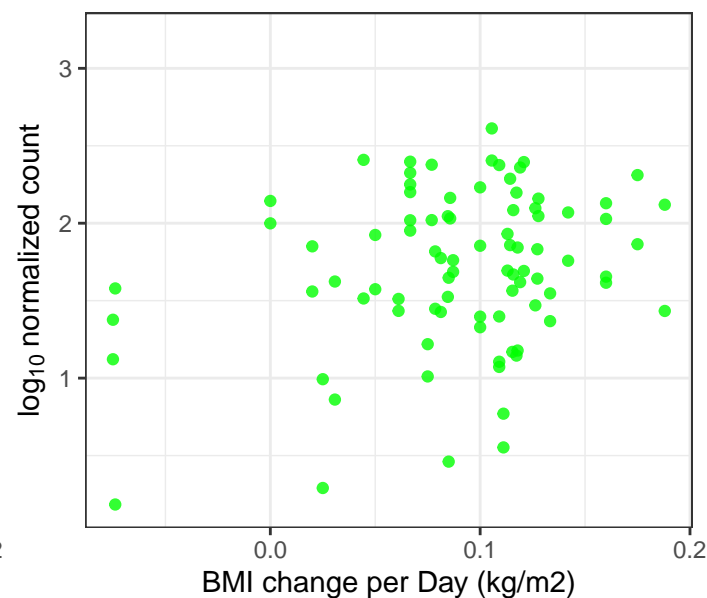
Labrys

p = 0.0334



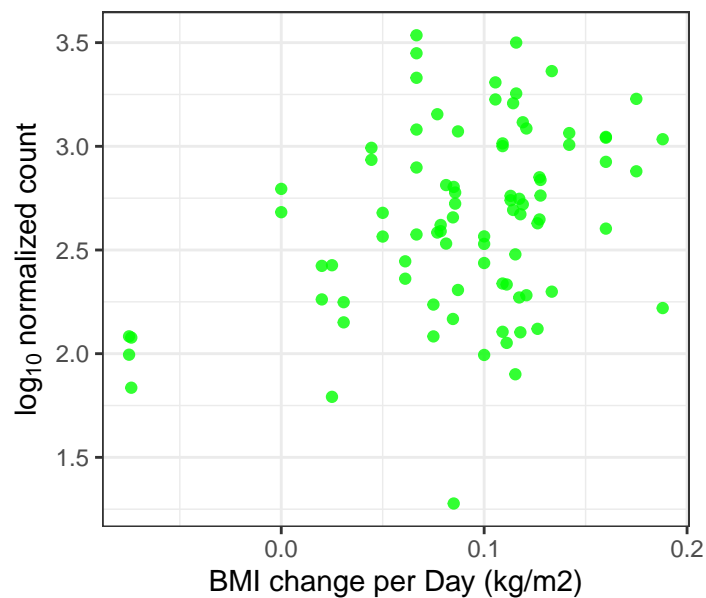
Segniliparus

p = 0.0334



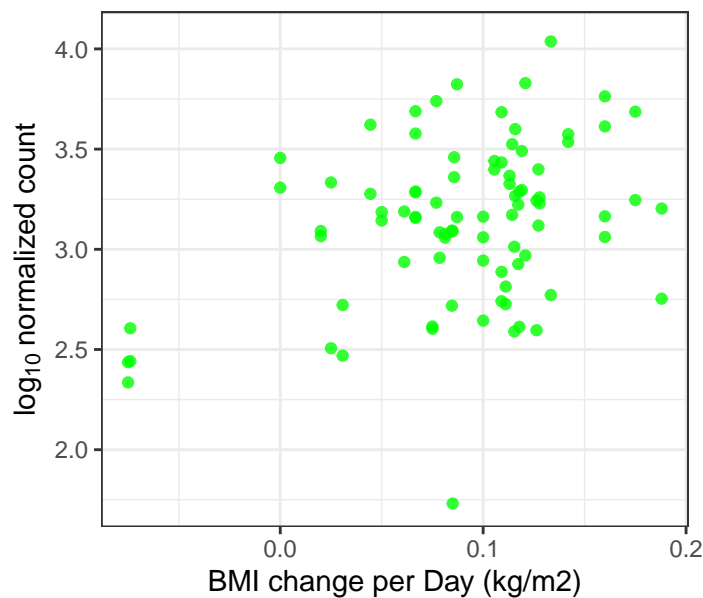
Thioalkalivibrio

p = 0.0334



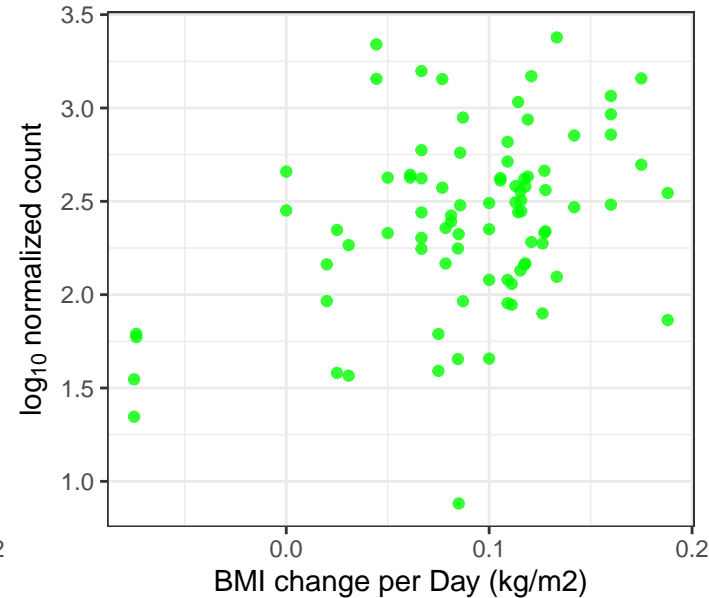
Variovorax

p = 0.0334



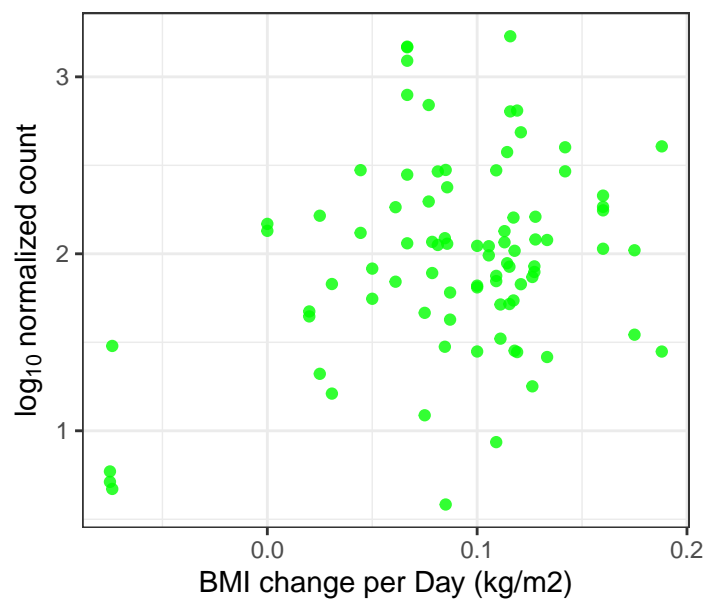
Verrucomicrobium

p = 0.0334



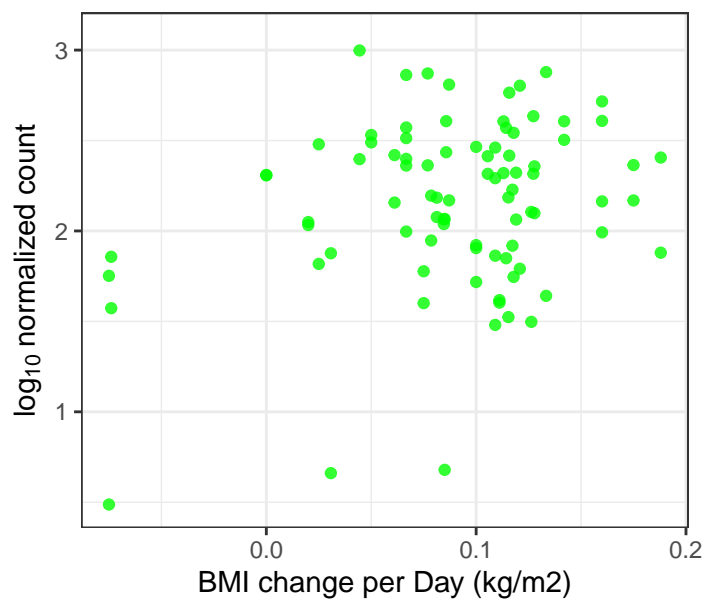
Candidatus Koribacter

p = 0.0337



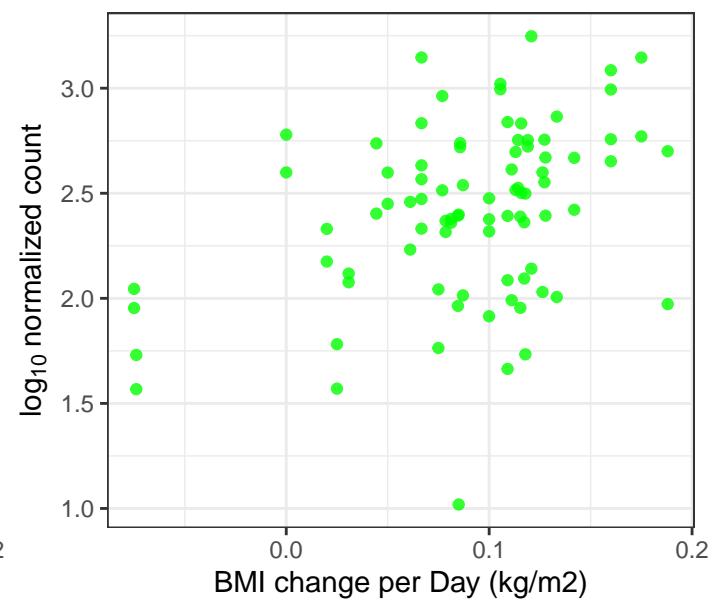
Salinibacter

p = 0.0338



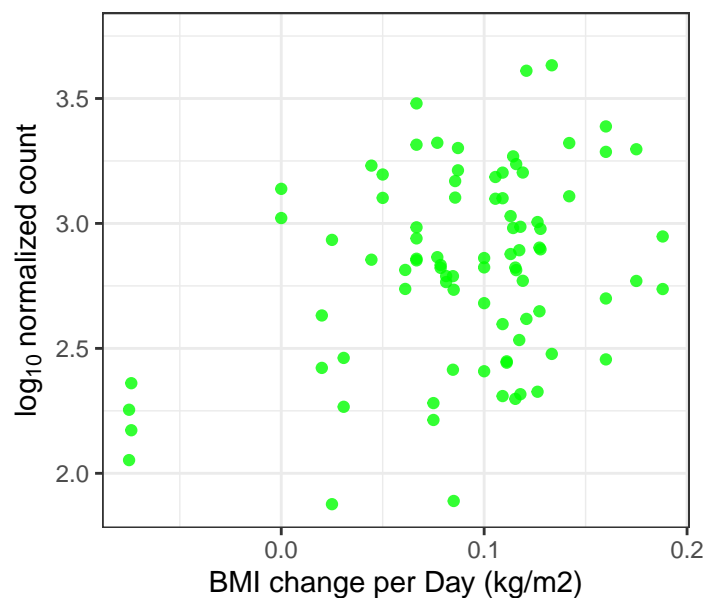
Unclassified Streptomycetaceae Family

p = 0.034



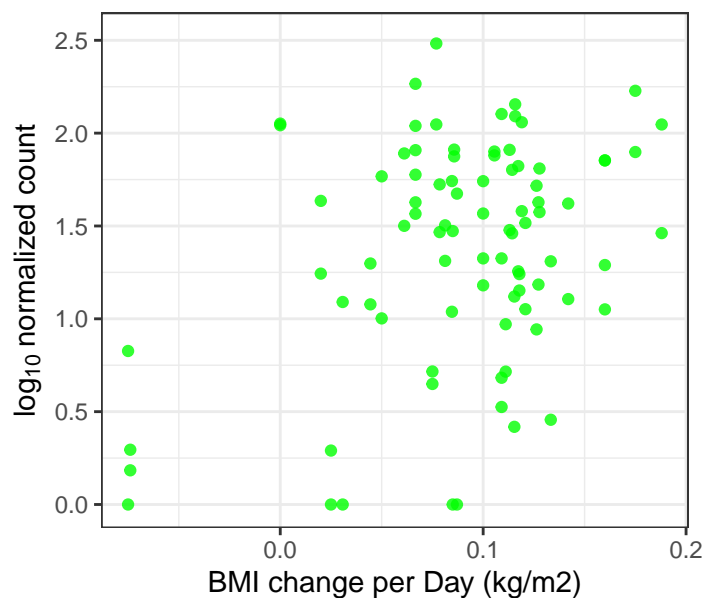
Azoarcus

p = 0.0343



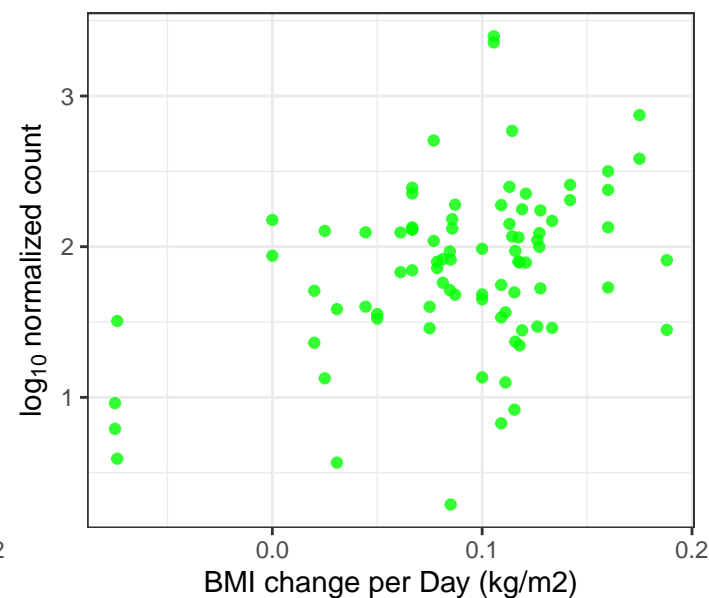
Halobiforma

p = 0.0343



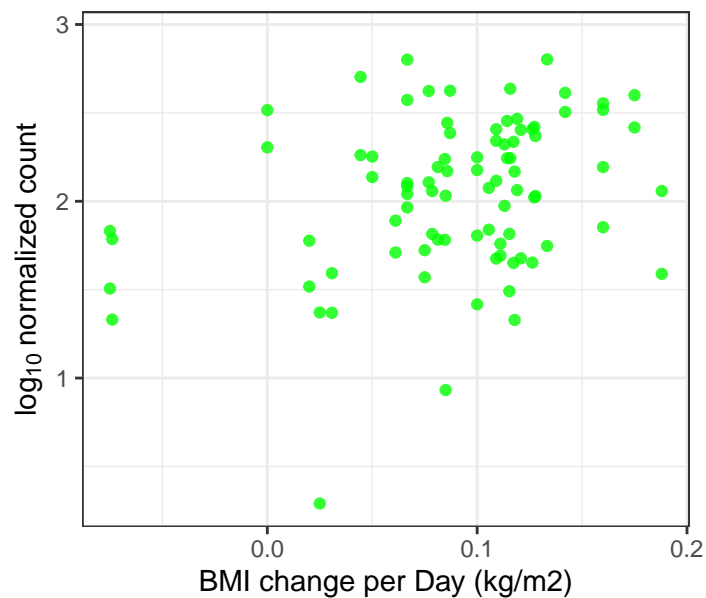
Hartmannibacter

p = 0.0343



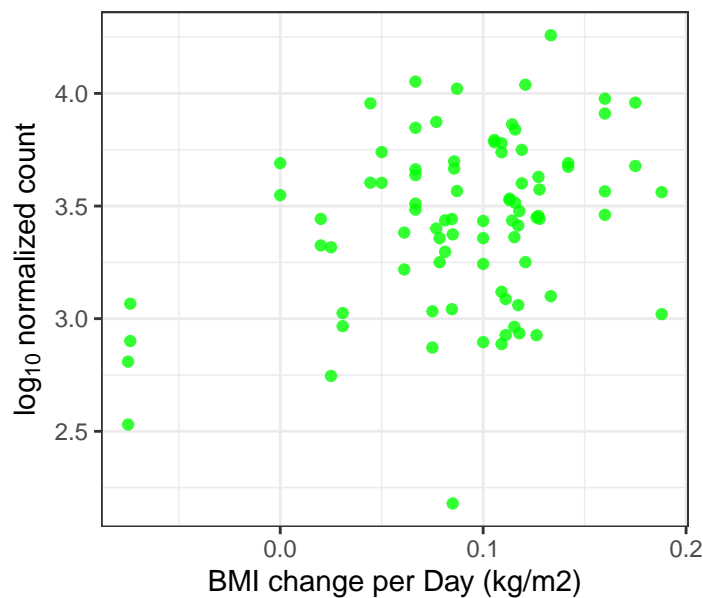
Methylibium

p = 0.0343



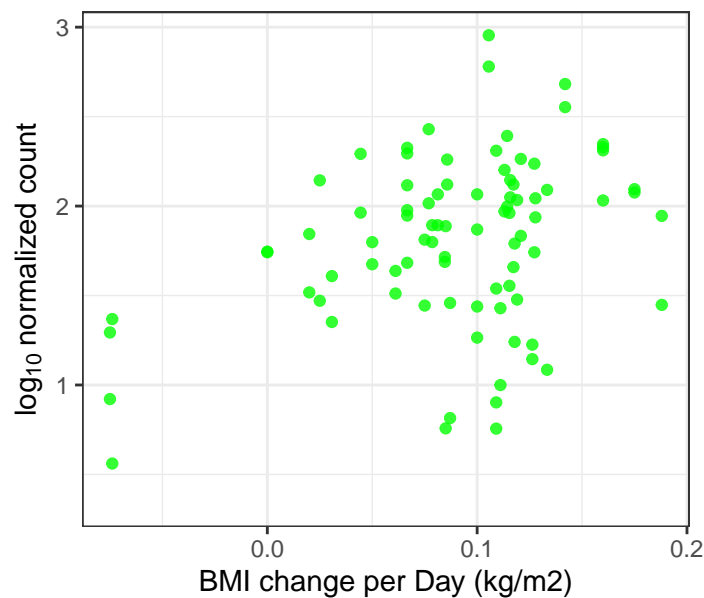
Mycobacterium

p = 0.0343



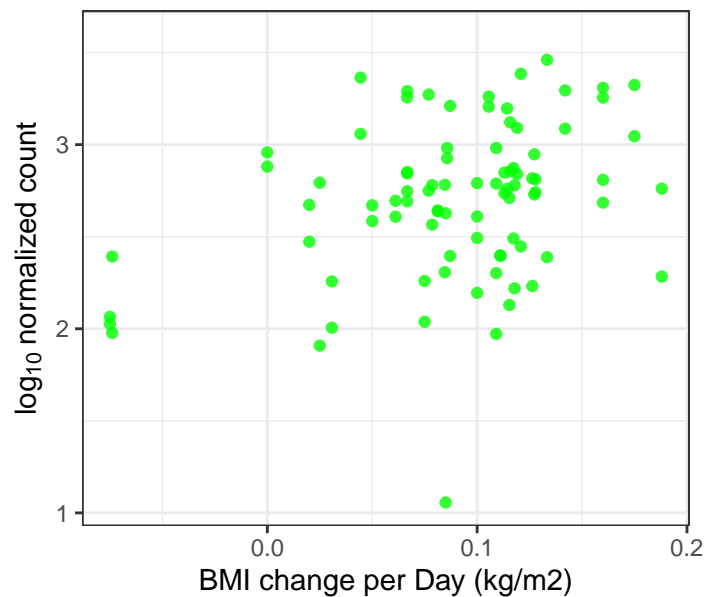
Unclassified Lacipirellulaceae Family

p = 0.0343



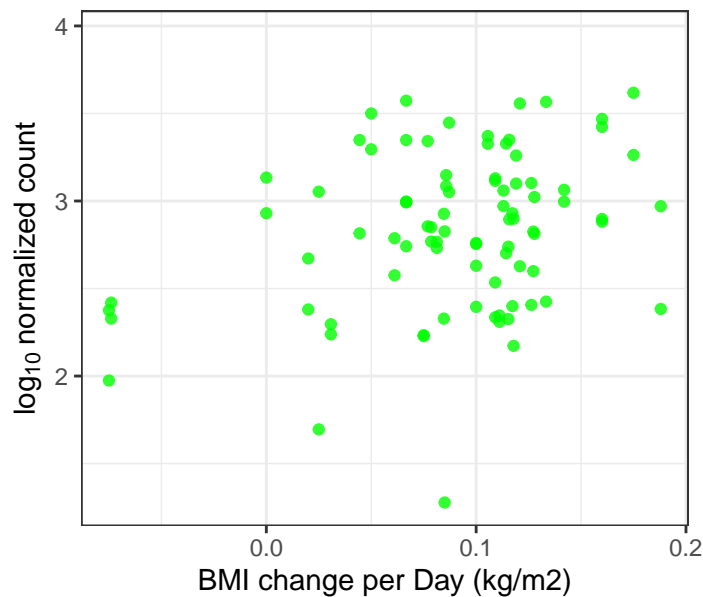
Altererythrobacter

p = 0.0345



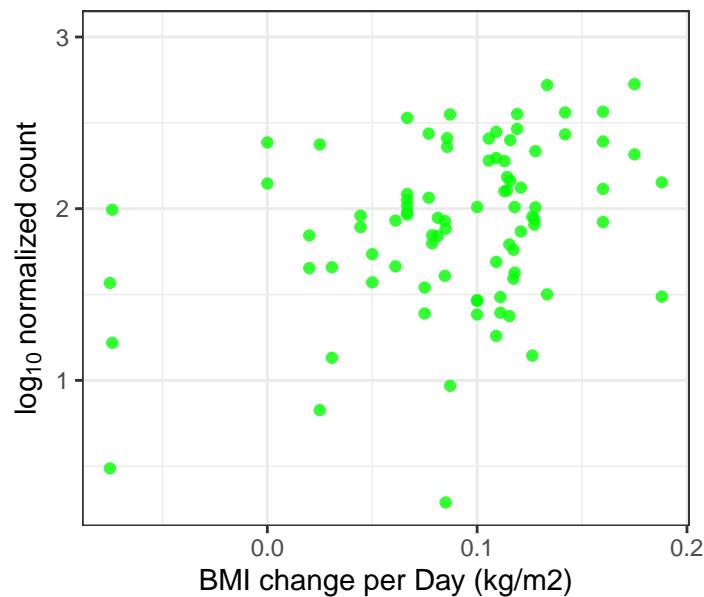
Pseudonocardia

p = 0.0345



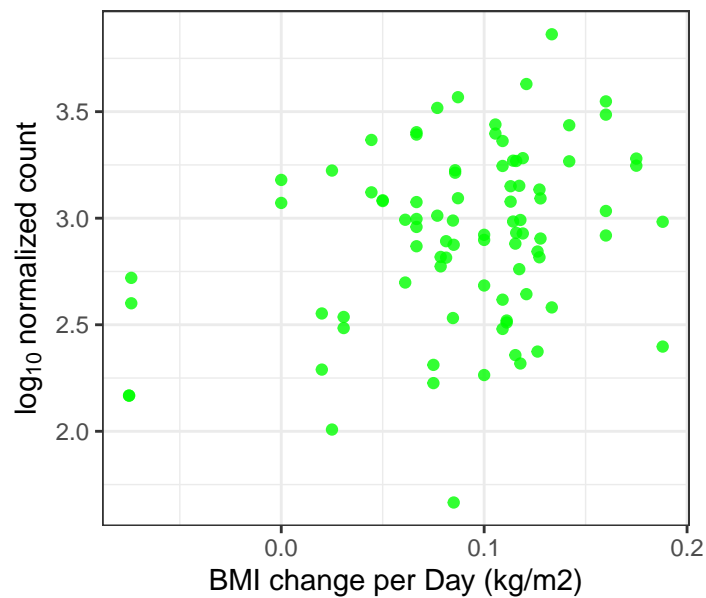
Marmoricola

p = 0.0351



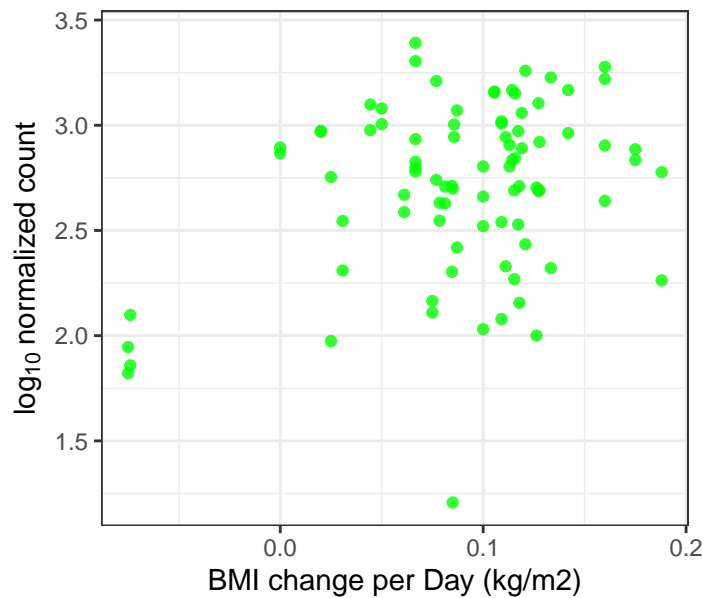
Lysobacter

p = 0.0352



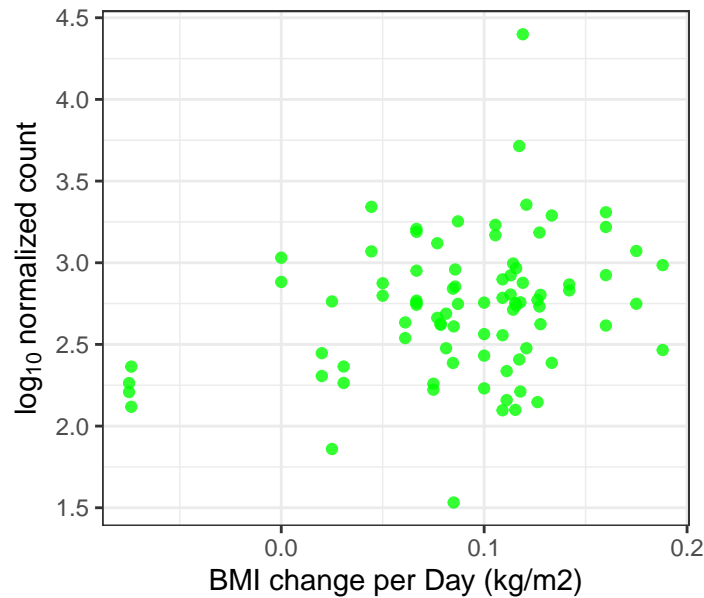
Novosphingobium

p = 0.0353



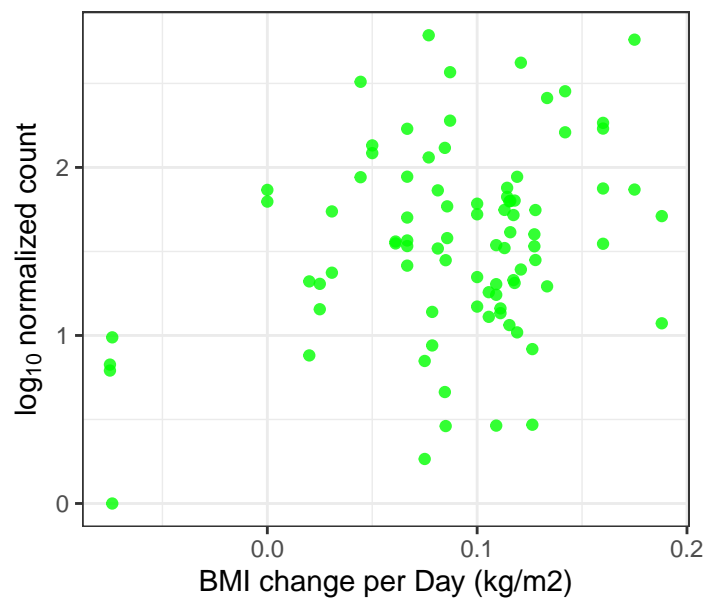
Comamonas

p = 0.0356



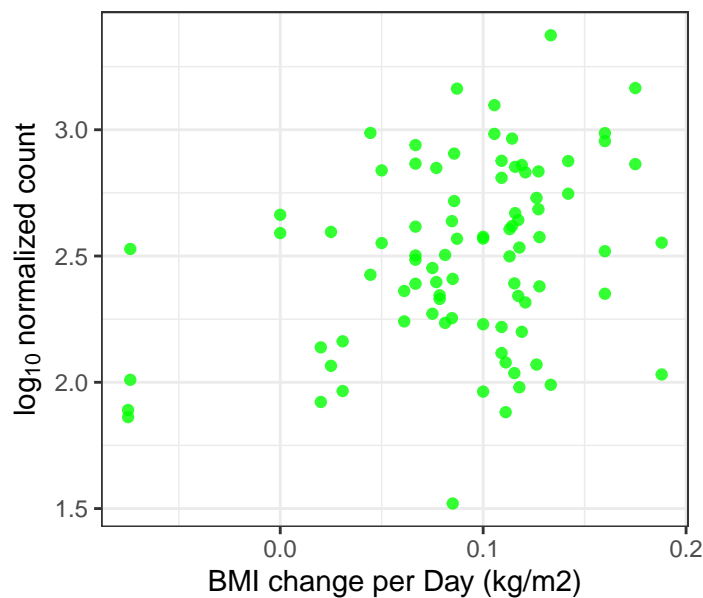
Hydrocarboniclastica

p = 0.0357



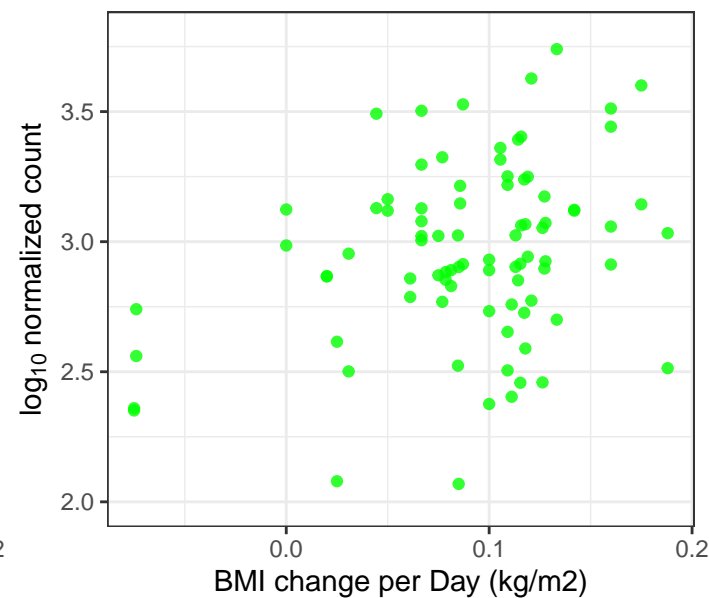
Saccharibacillus

p = 0.0363



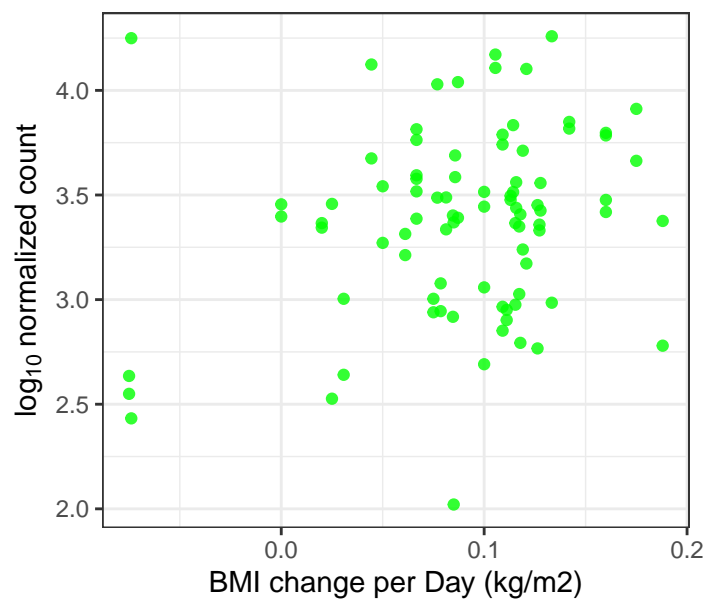
Brevundimonas

p = 0.0365



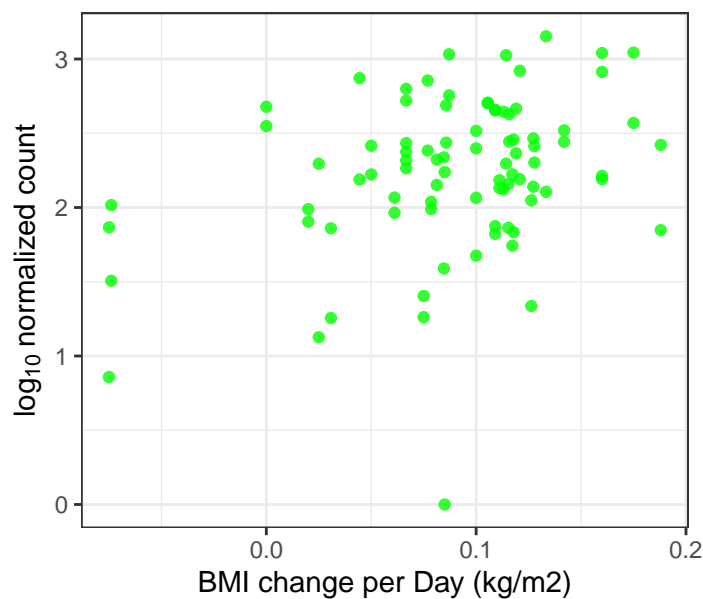
Ethanoligenens

p = 0.0365



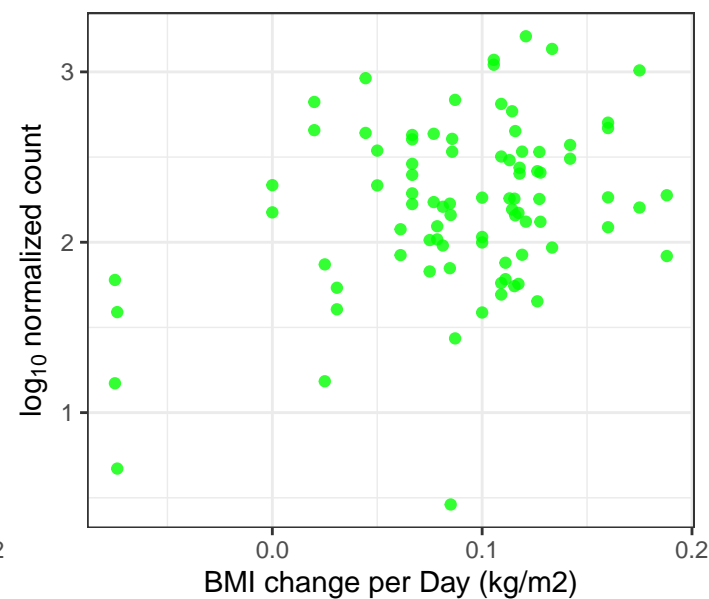
Micrococcus

p = 0.0365



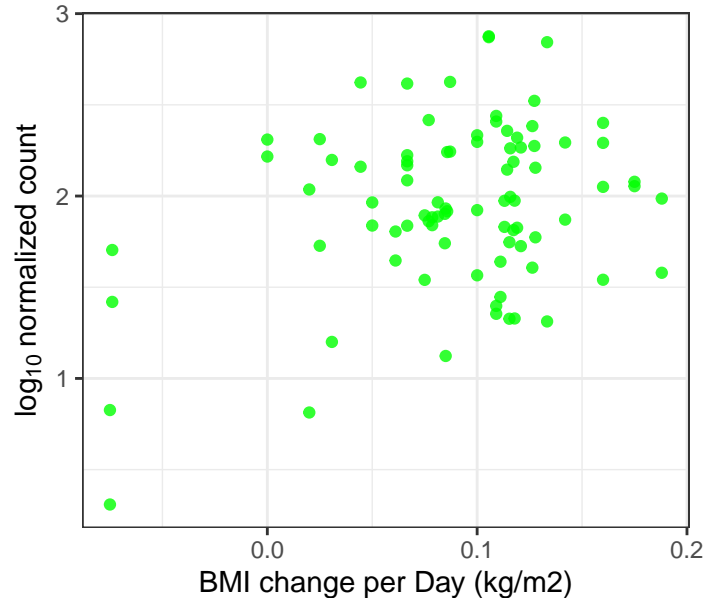
Dehalogenimonas

p = 0.0366



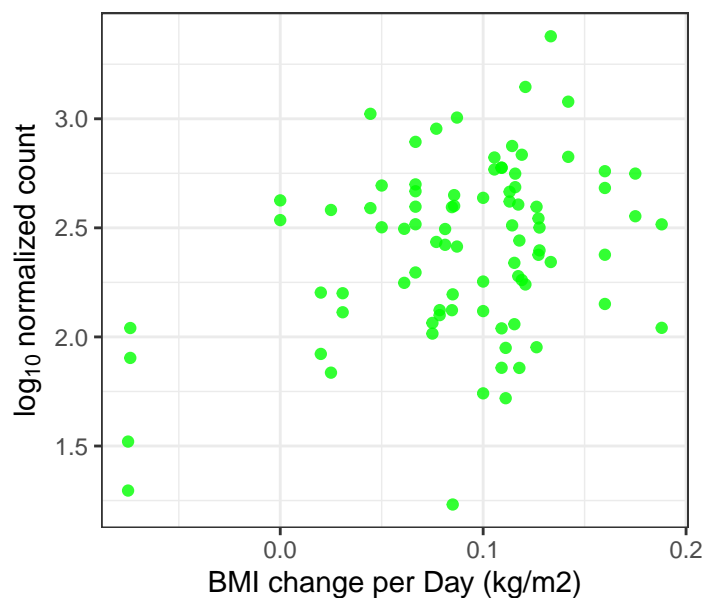
Halorhabdus

p = 0.0366



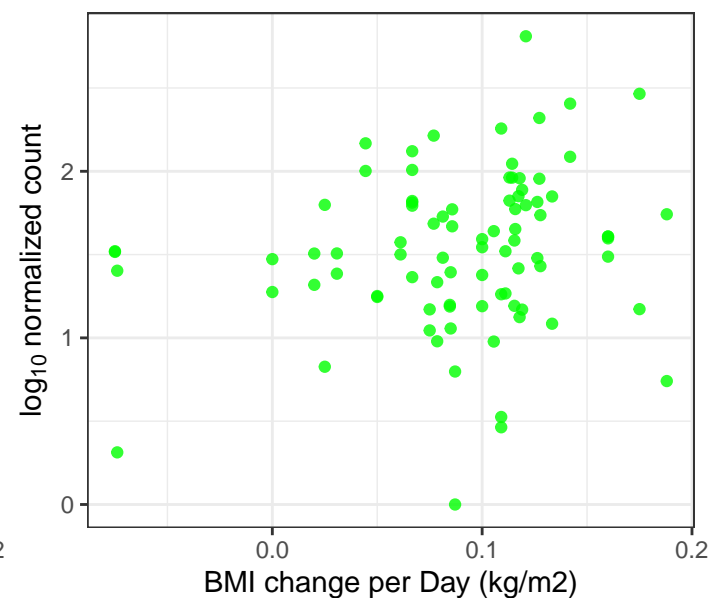
Leisingera

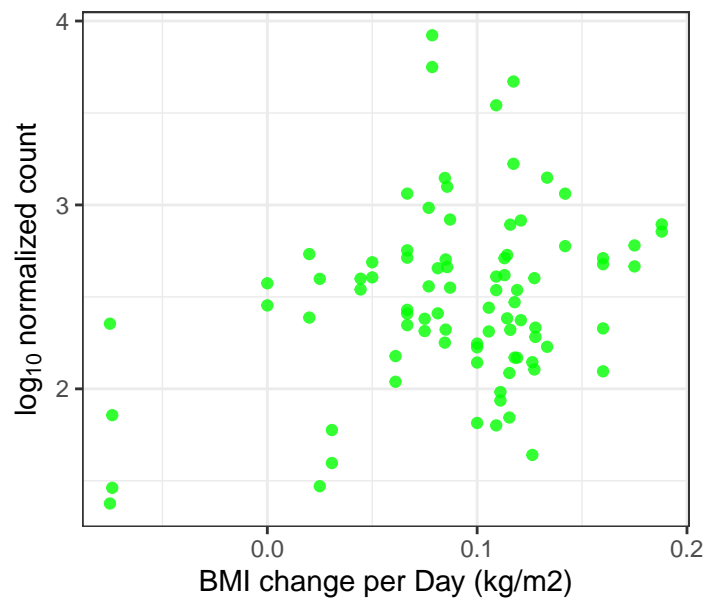
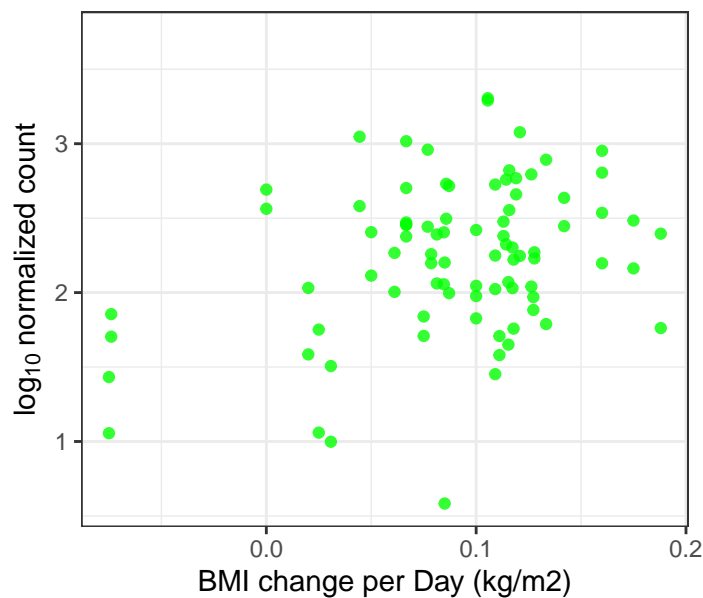
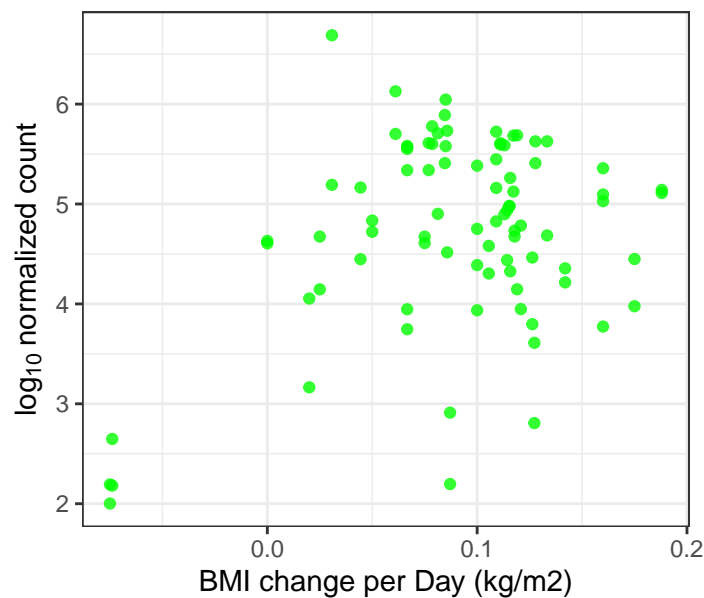
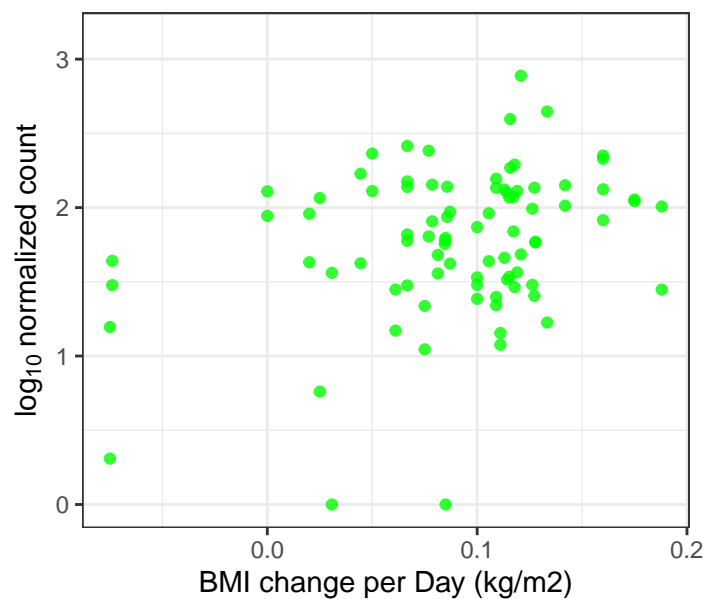
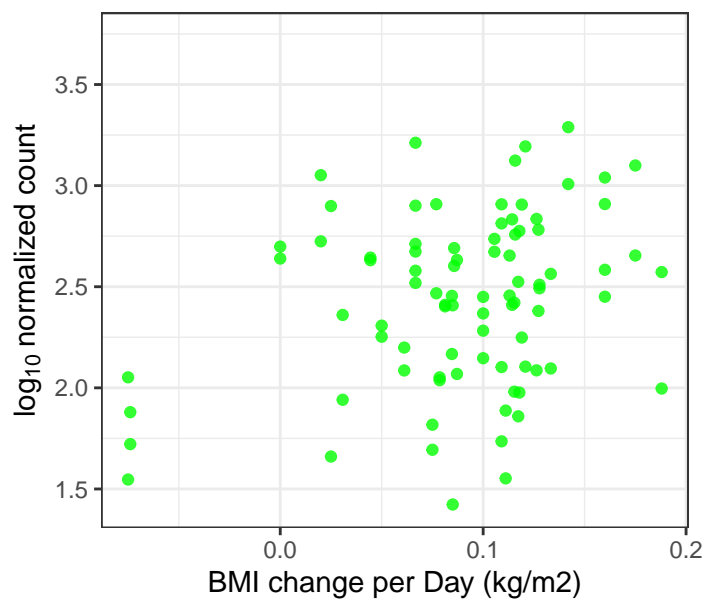
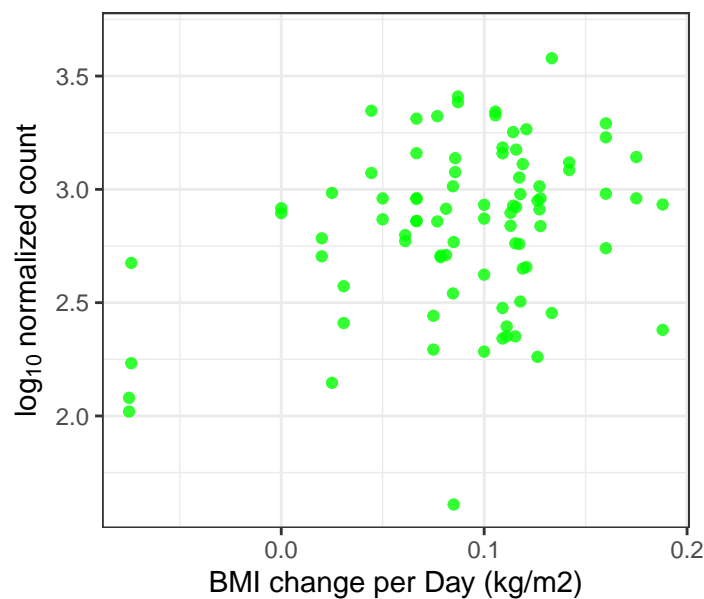
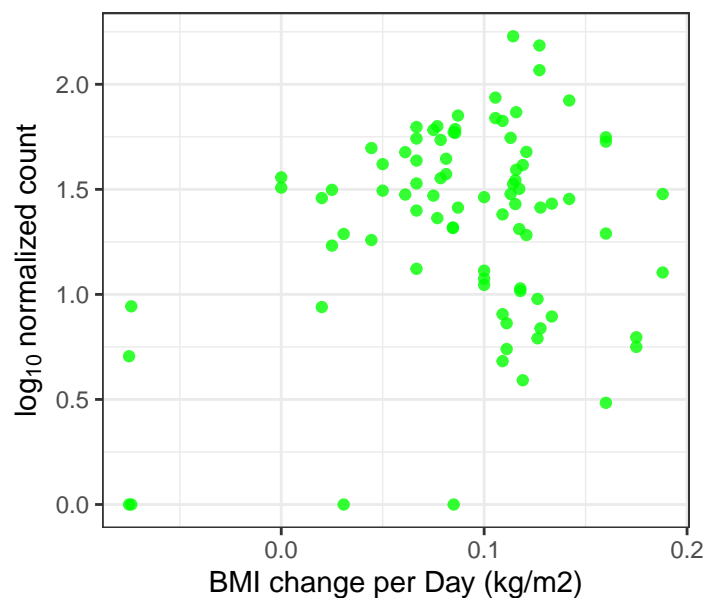
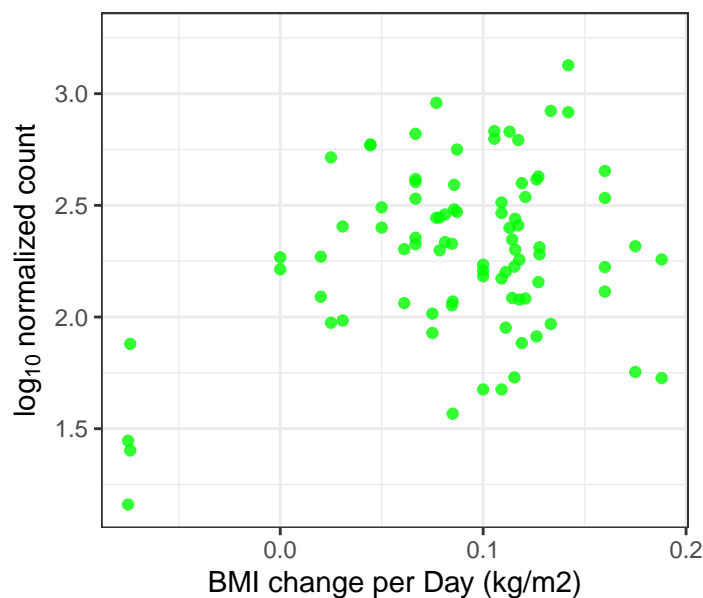
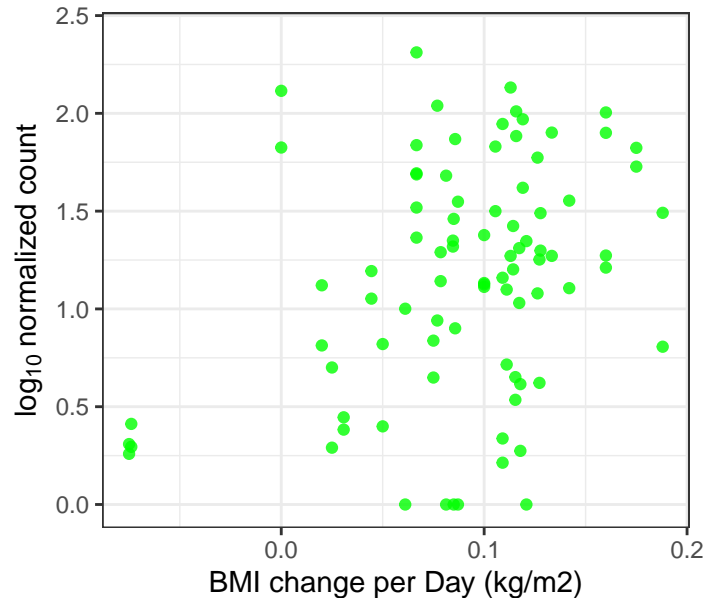
p = 0.0366

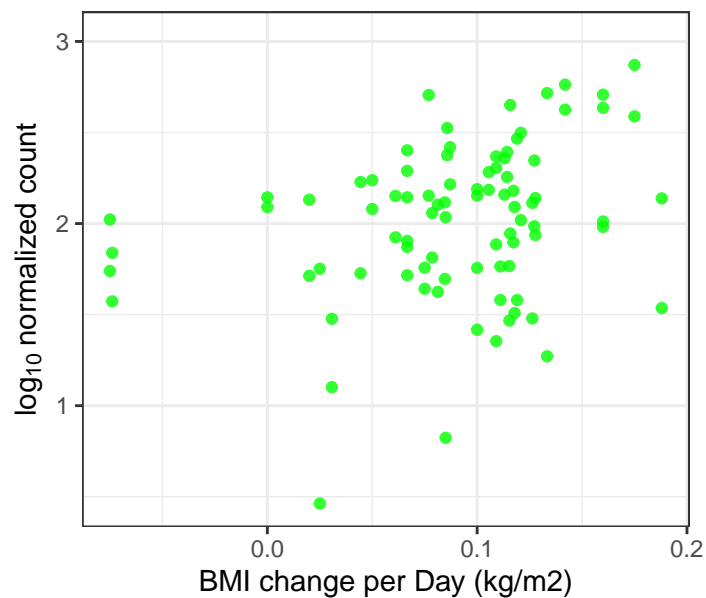
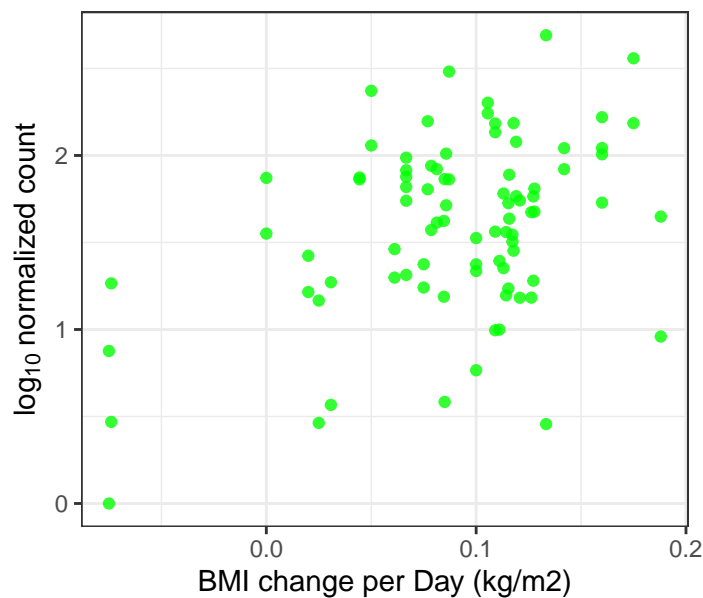
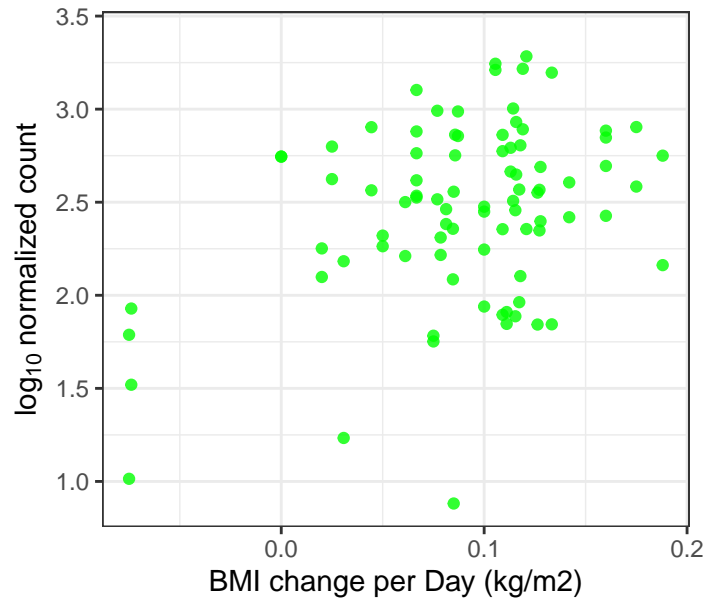
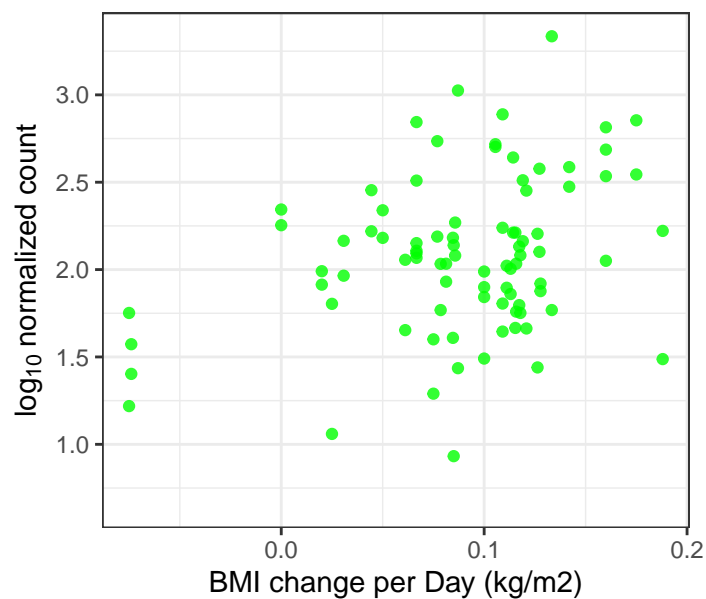
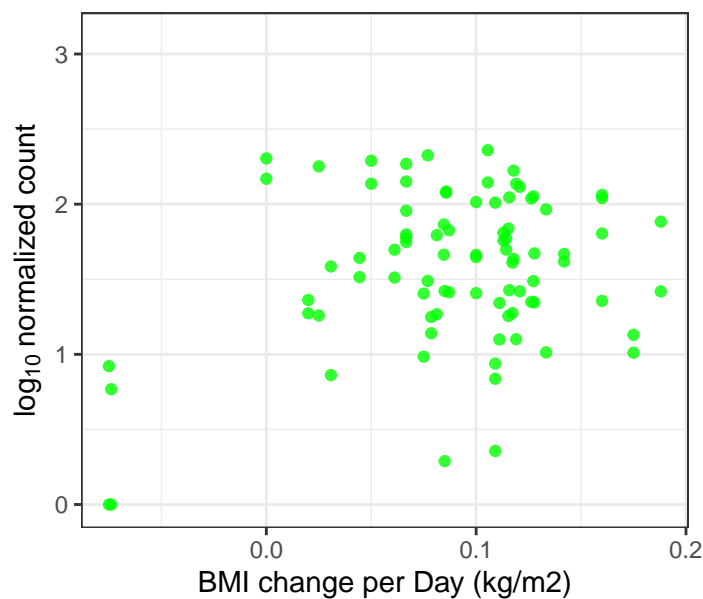
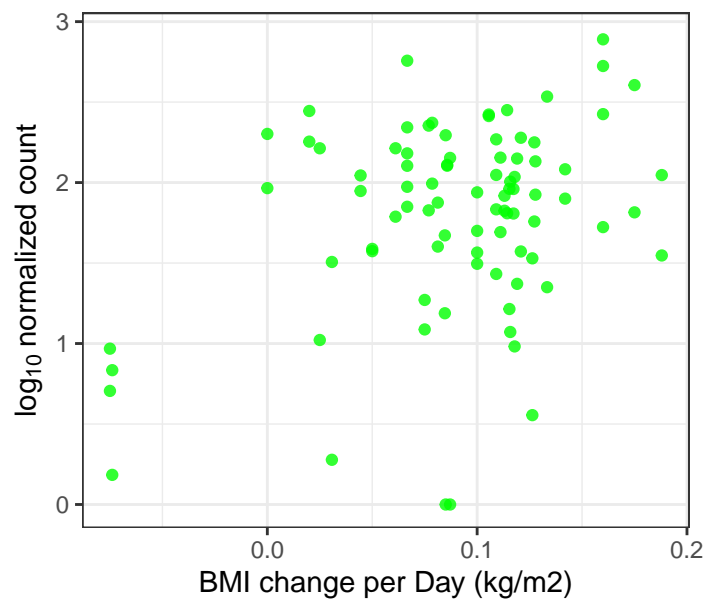
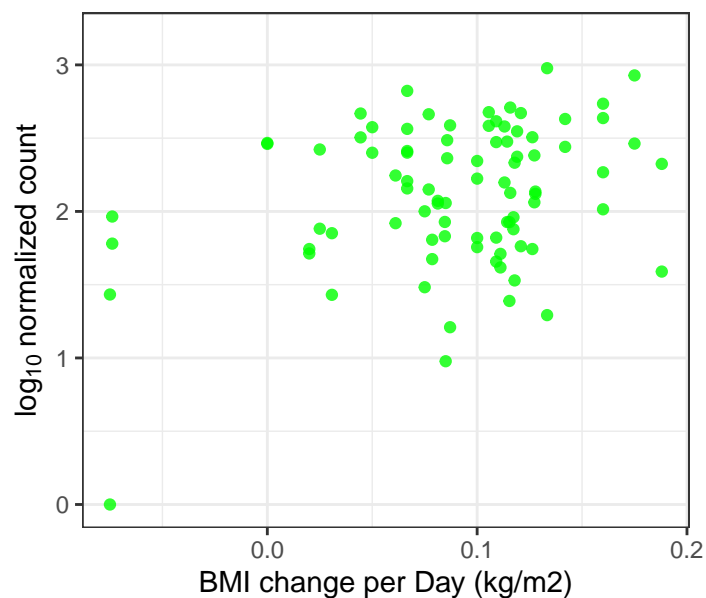
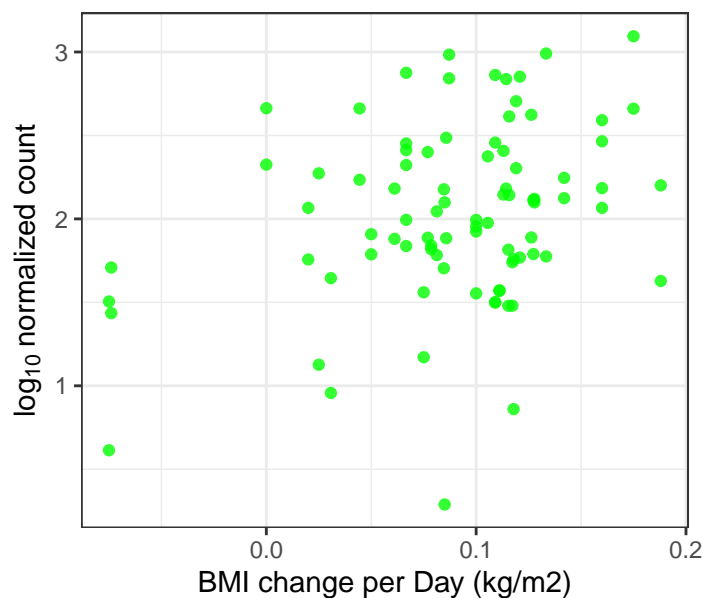
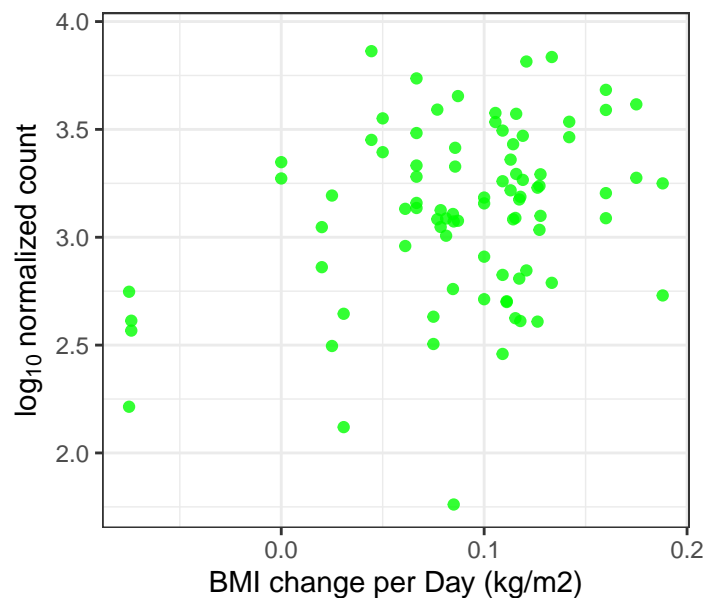


Phytobacter

p = 0.0367

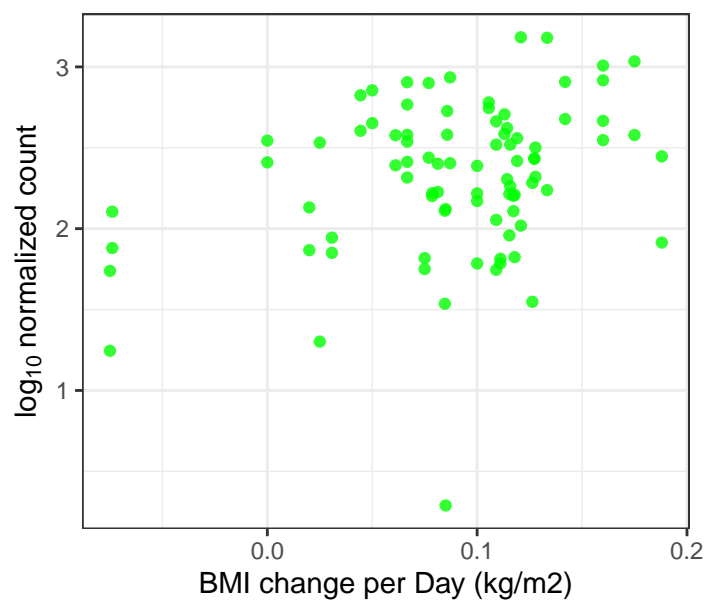


Sutterella $p = 0.0367$ **Ottowia** $p = 0.0369$ **Parabacteroides** $p = 0.037$ **Aromatoleum** $p = 0.037$ **Plantactinospora** $p = 0.0374$ **Sinorhizobium** $p = 0.0374$ **Bythopirellula** $p = 0.0375$ **Gluconobacter** $p = 0.0376$ **Unclassified Promicromonosporaceae F** $p = 0.0378$ 

Guyparkeria $p = 0.0381$ **Mycetohabitans** $p = 0.0381$ **Actinoalloteichus** $p = 0.0382$ **Unclassified Planctomycetales Order** $p = 0.0383$ **Ferriphaselus** $p = 0.0383$ **Unclassified Desulfovibrionales Order** $p = 0.0383$ **Plantibacter** $p = 0.0389$ **Kineococcus** $p = 0.0398$ **Achromobacter** $p = 0.04$ 

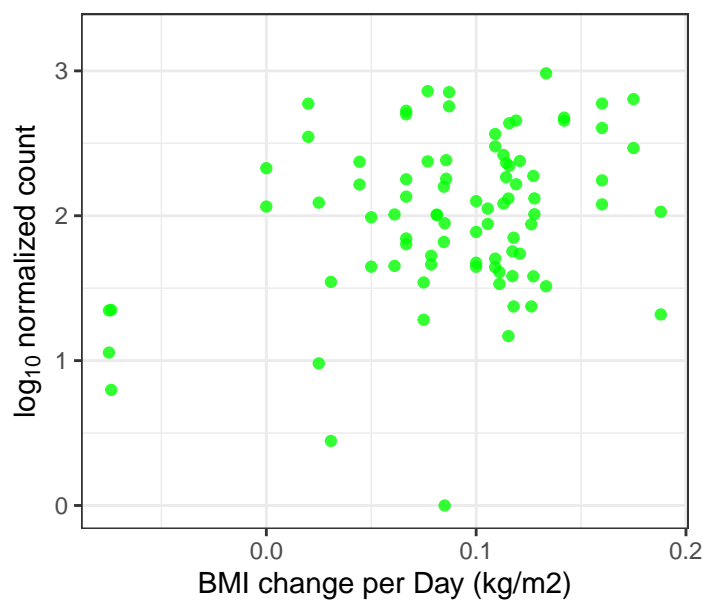
Cryobacterium

p = 0.0401



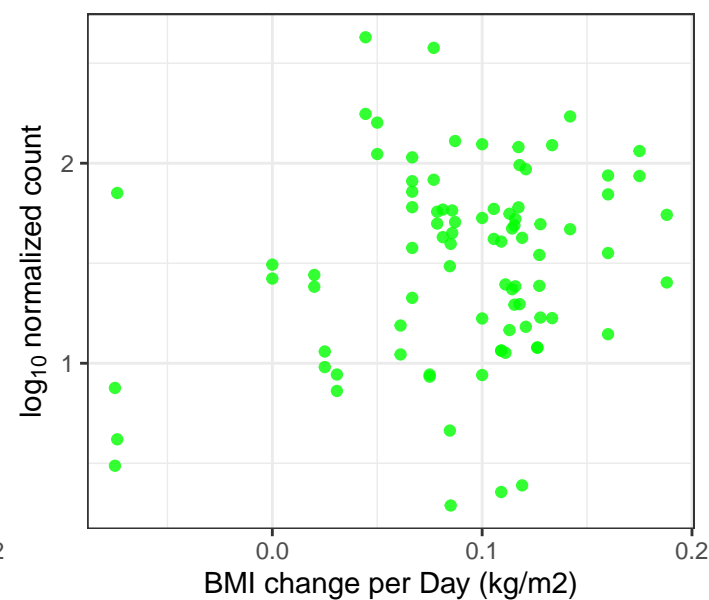
Halobacterium

p = 0.0401



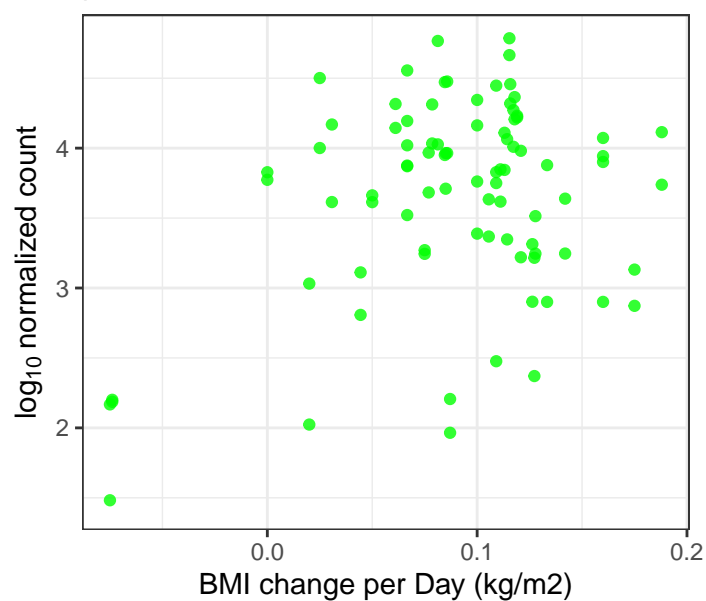
Methylobacillus

p = 0.0401



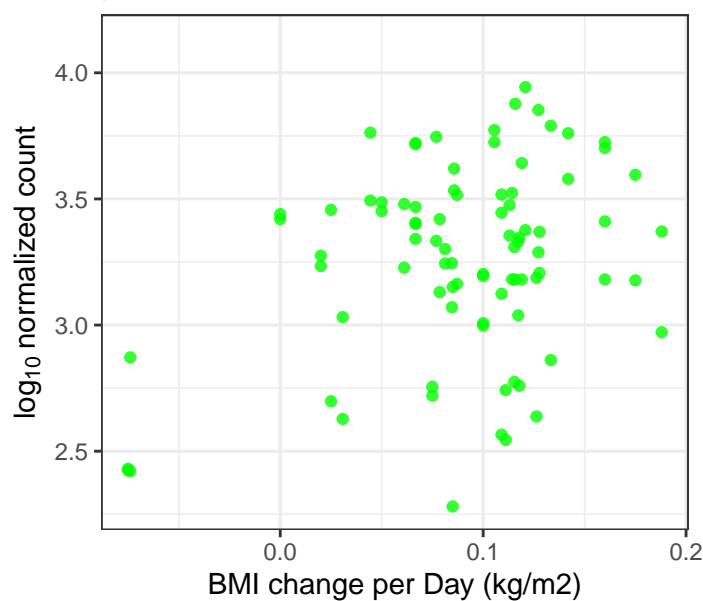
Butyricimonas

p = 0.0402



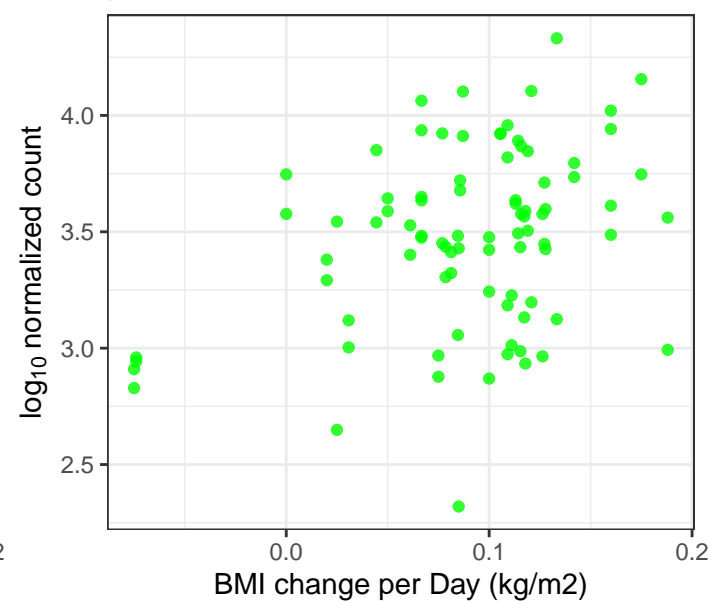
Hymenobacter

p = 0.0404



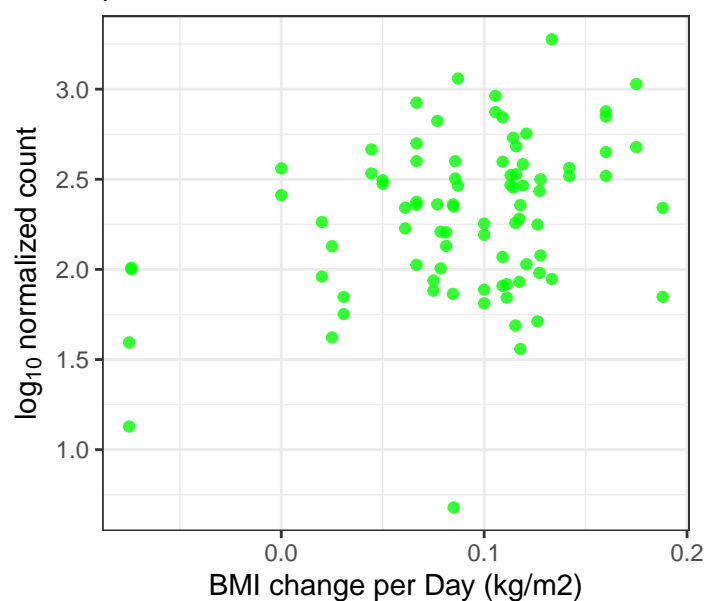
Mycolicibacterium

p = 0.0404



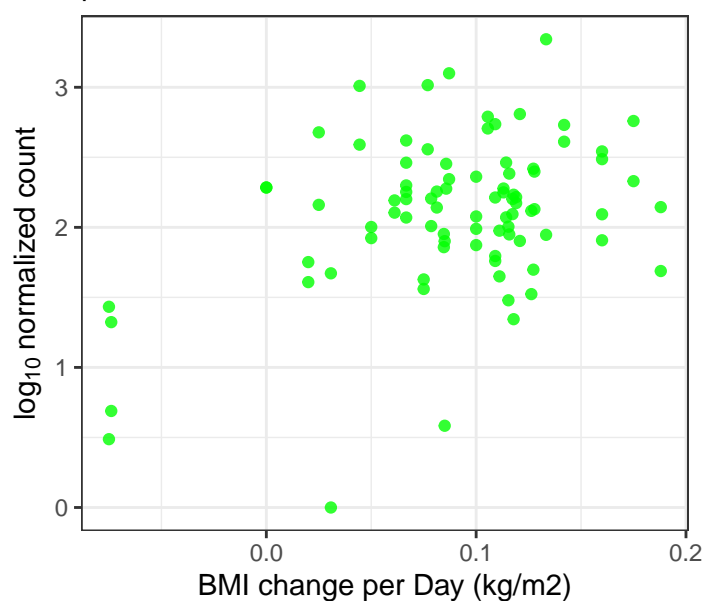
Unclassified Bradymonadales Order

p = 0.0404



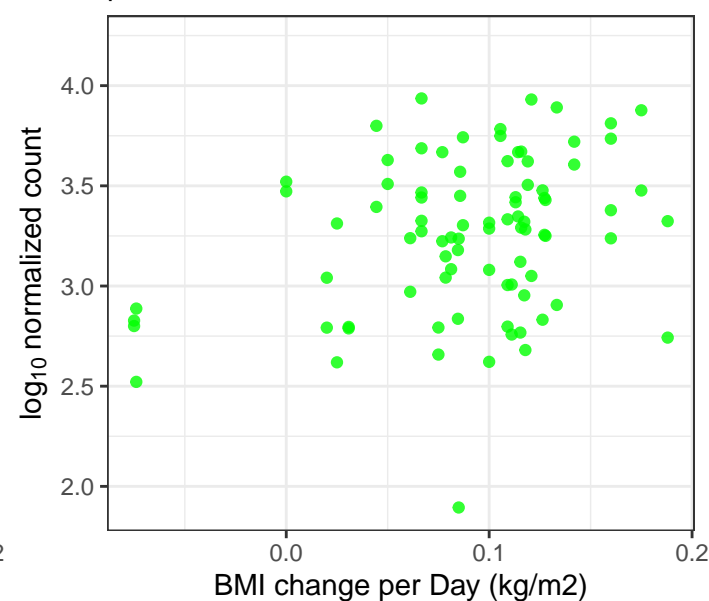
Vogesella

p = 0.0404



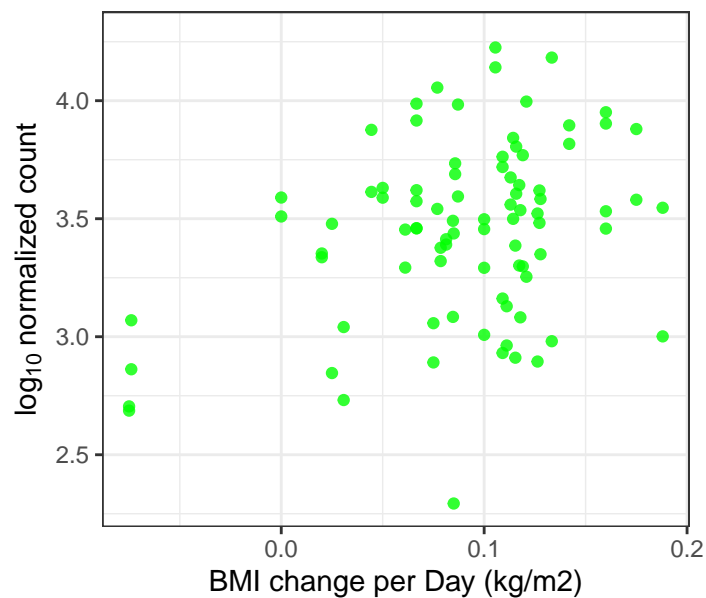
Nocardia

p = 0.0405



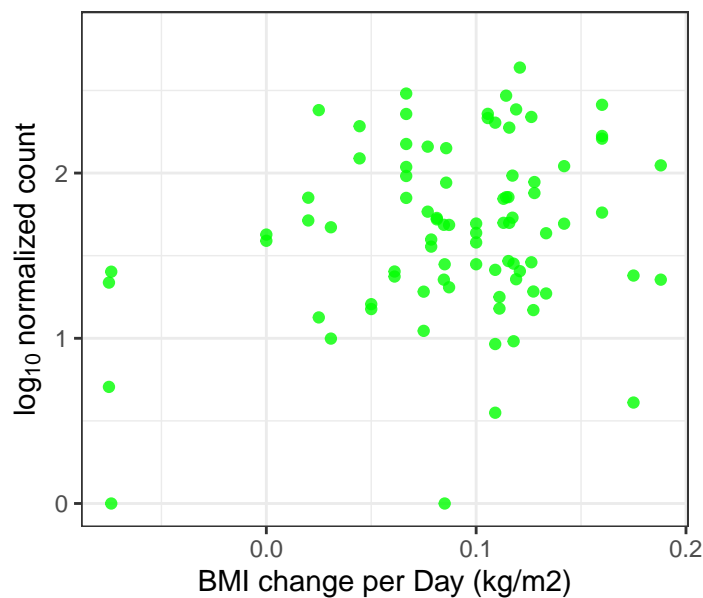
Bradyrhizobium

p = 0.0405



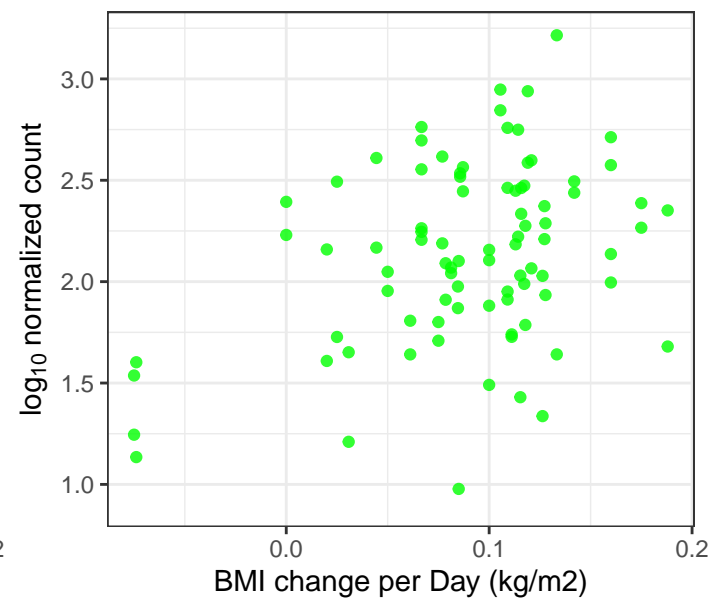
Pistricoccus

p = 0.0405



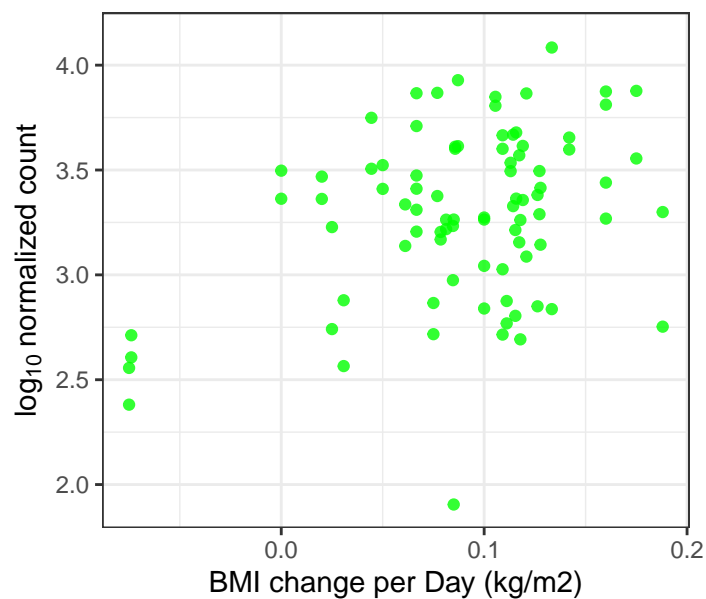
Pseudolabrys

p = 0.0409



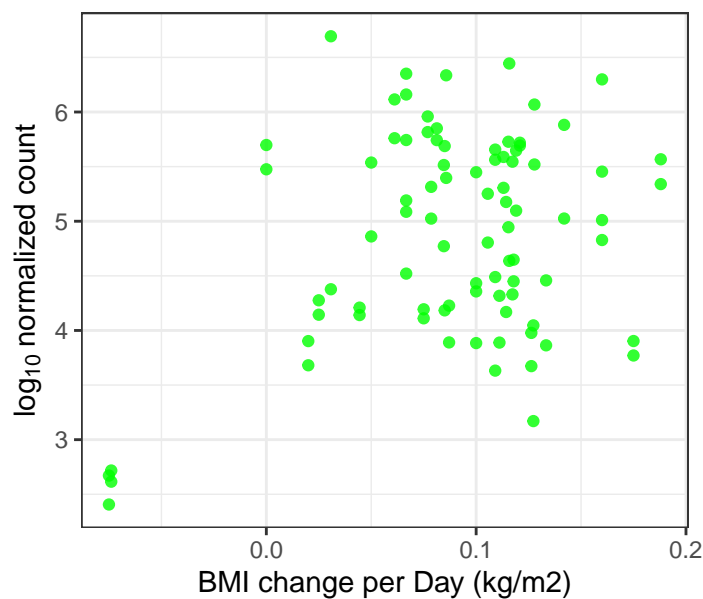
Sphingomonas

p = 0.0416



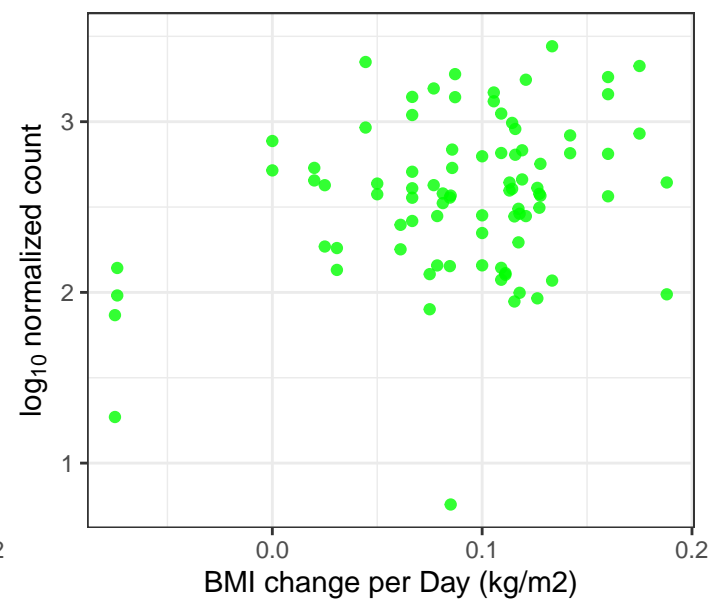
Alistipes

p = 0.0417



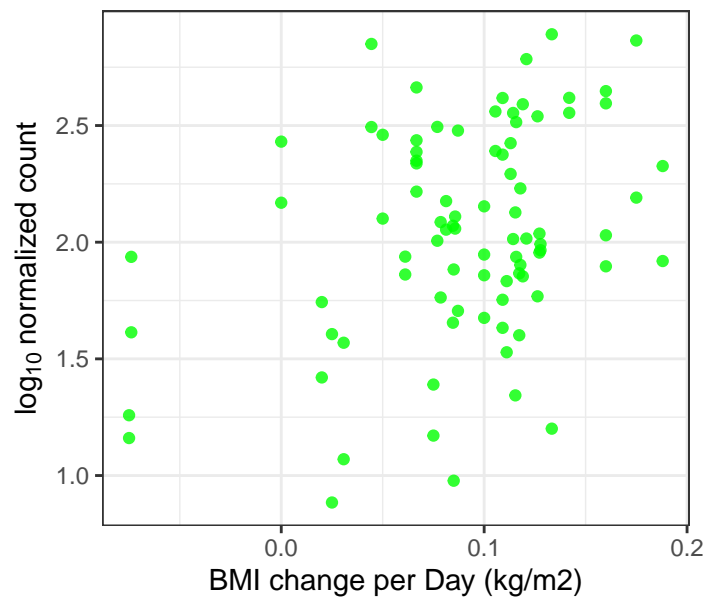
Leifsonia

p = 0.0417



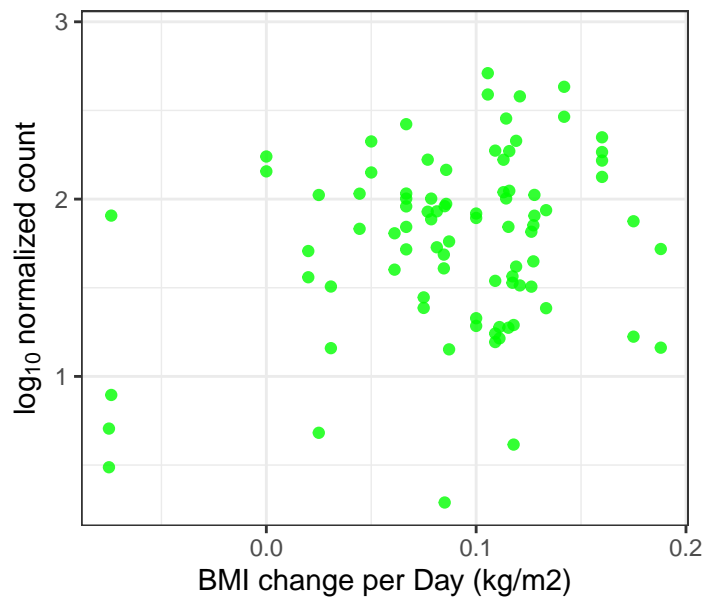
Nissabacter

p = 0.0417



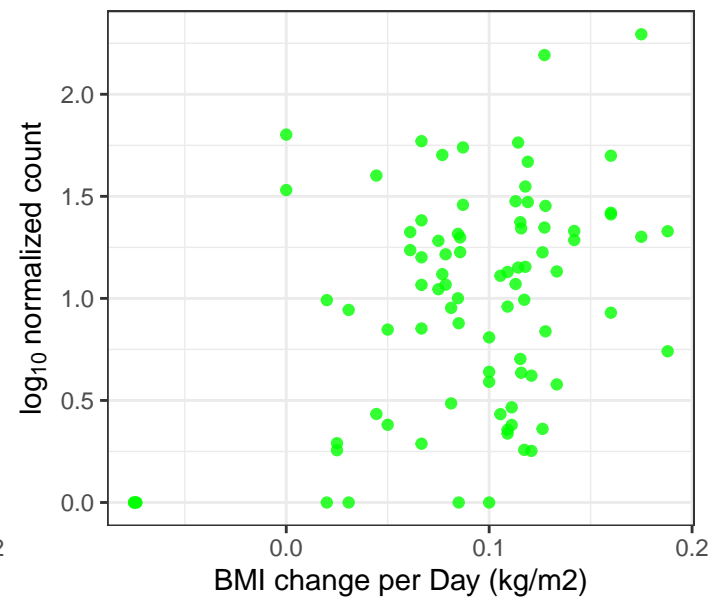
Thioclava

p = 0.0417



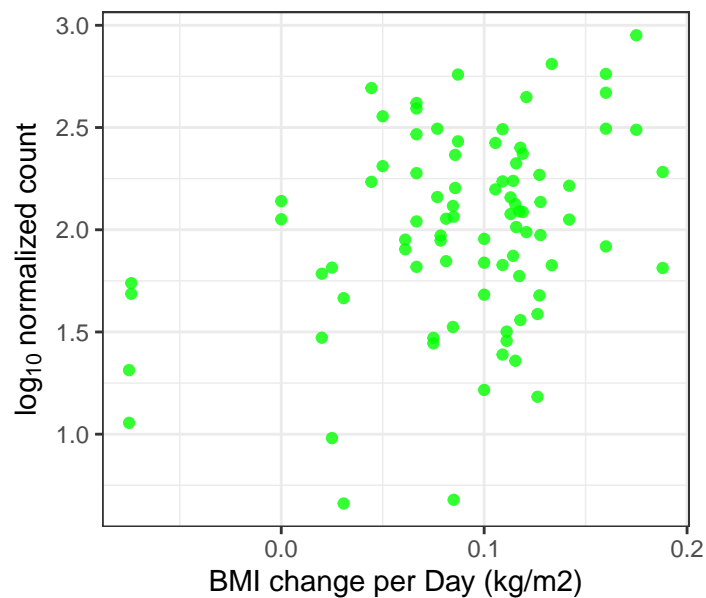
Unclassified Hyphomicrobiaceae Family

p = 0.042



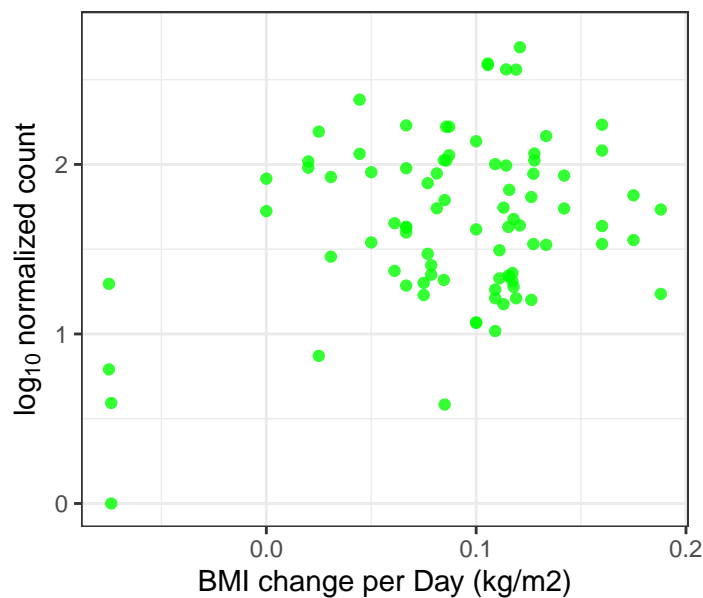
Solimonas

p = 0.0429



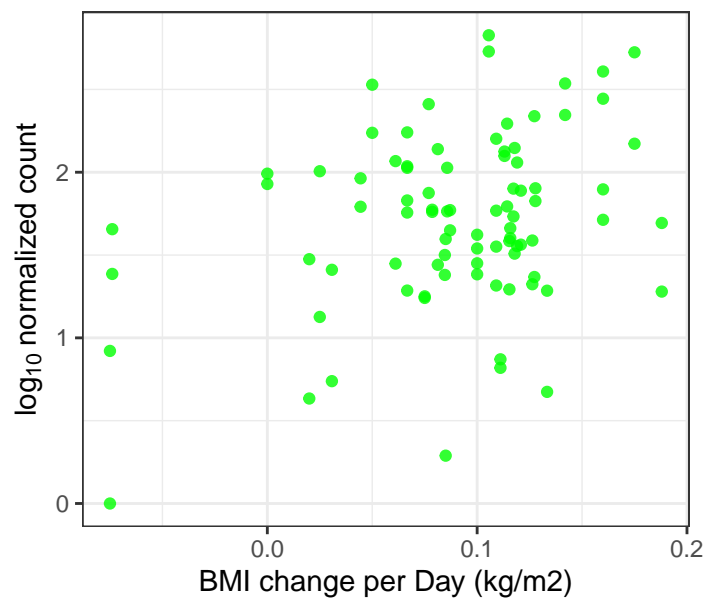
Pyrobaculum

p = 0.0431



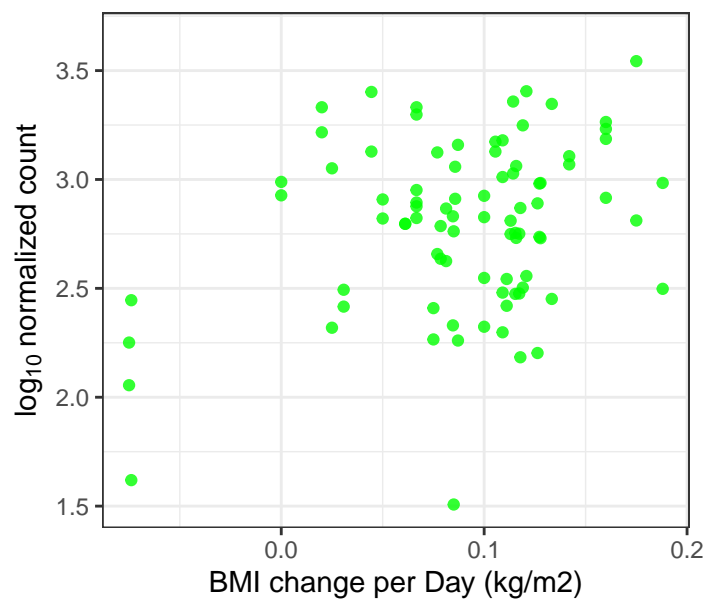
Thiobacillus

p = 0.0431



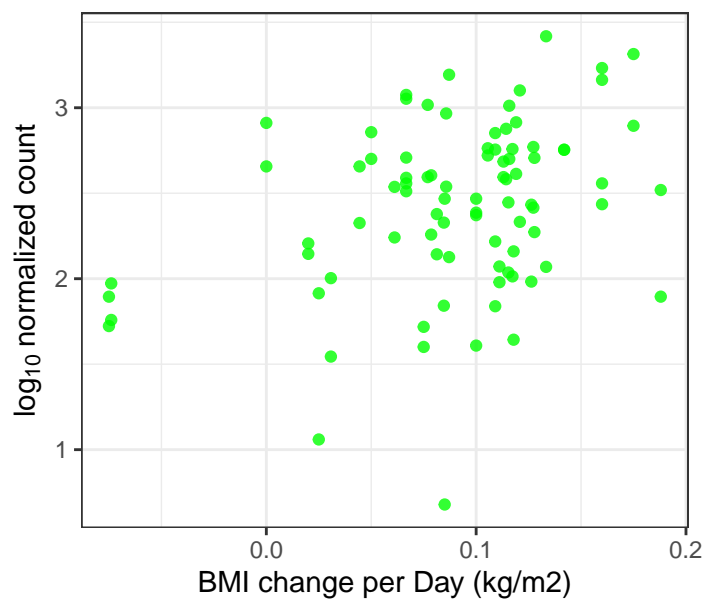
Desulfosarcina

p = 0.0437



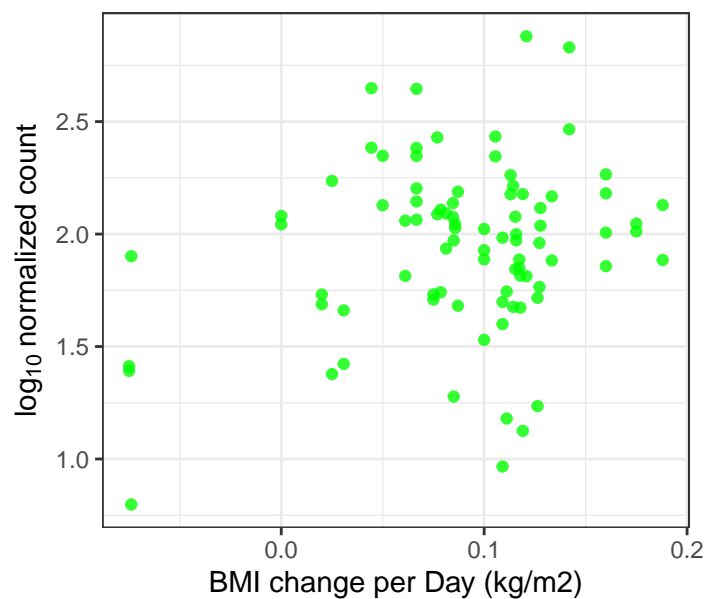
Serinicoccus

p = 0.0437



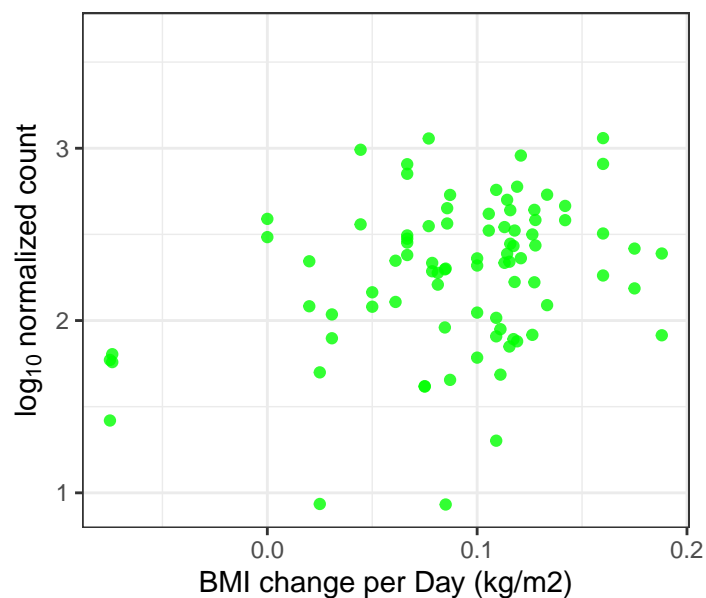
Vitreoscilla

p = 0.0441



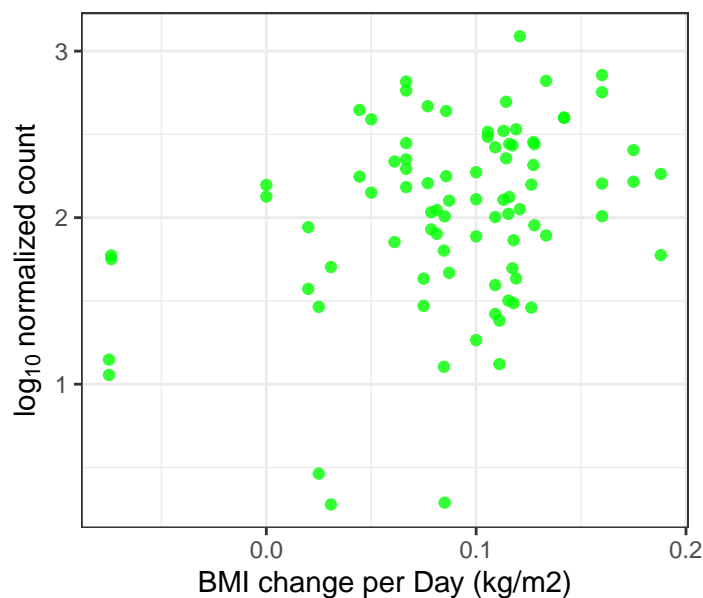
Rhodovulum

p = 0.0442



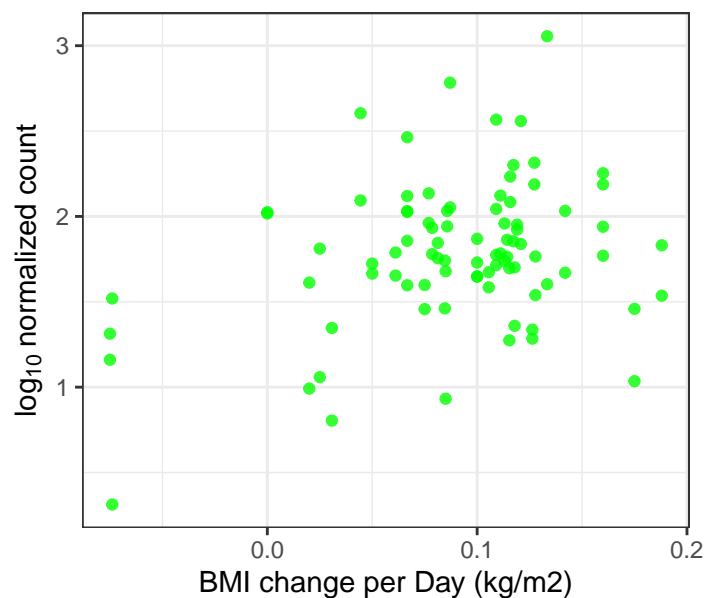
Phycisphaera

p = 0.0444



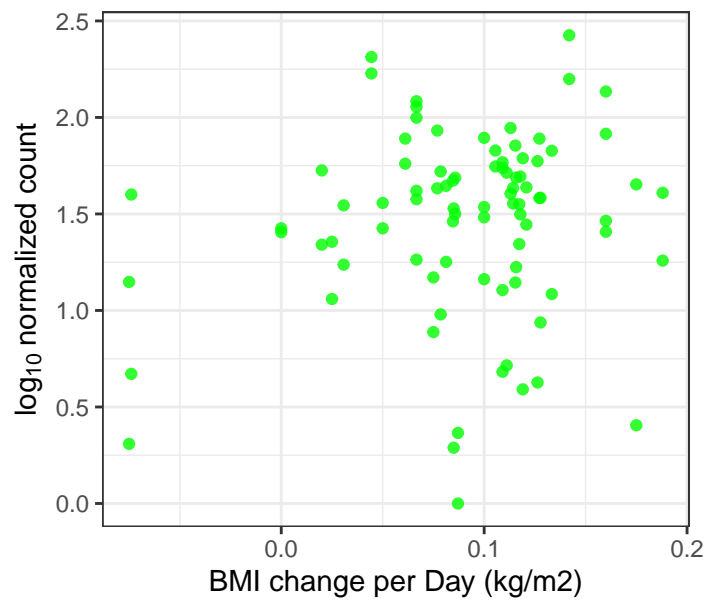
Sulfuritalea

p = 0.0444



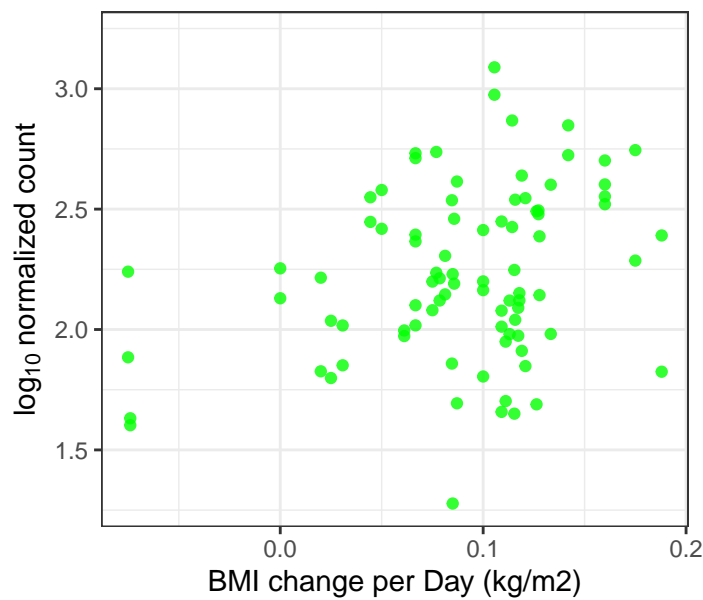
Wolinella

p = 0.0447



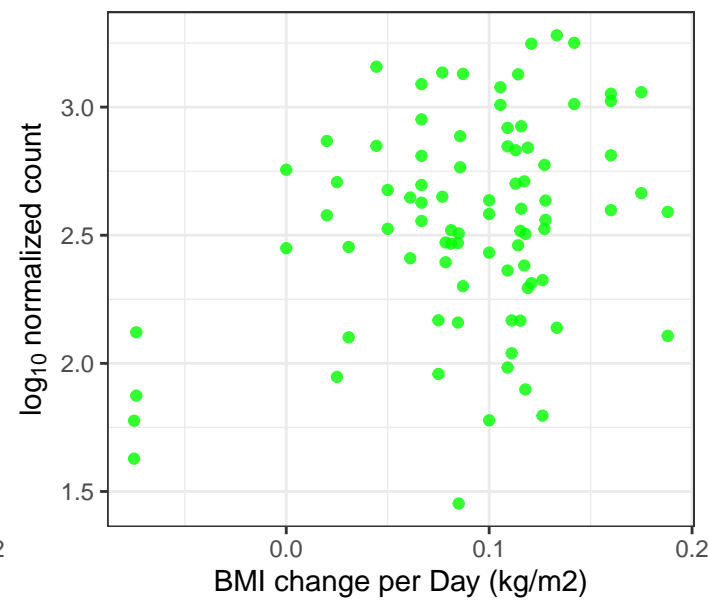
Desulfatibacillum

p = 0.0448



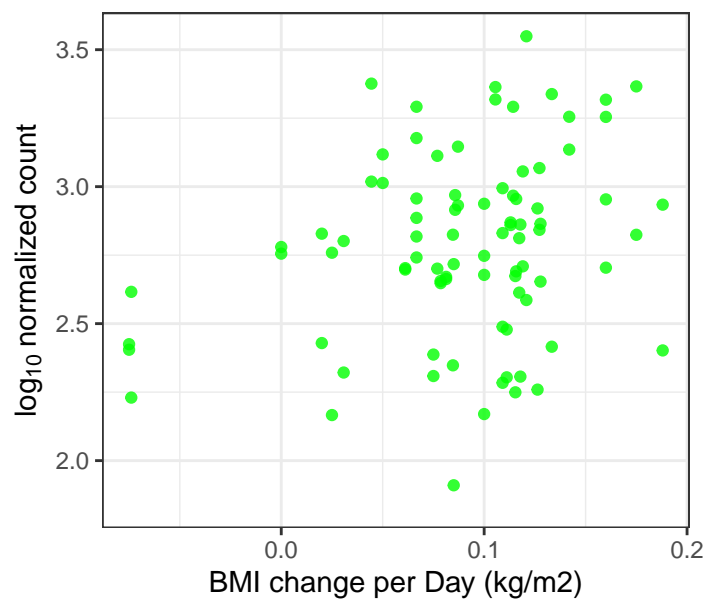
Devosia

p = 0.0448



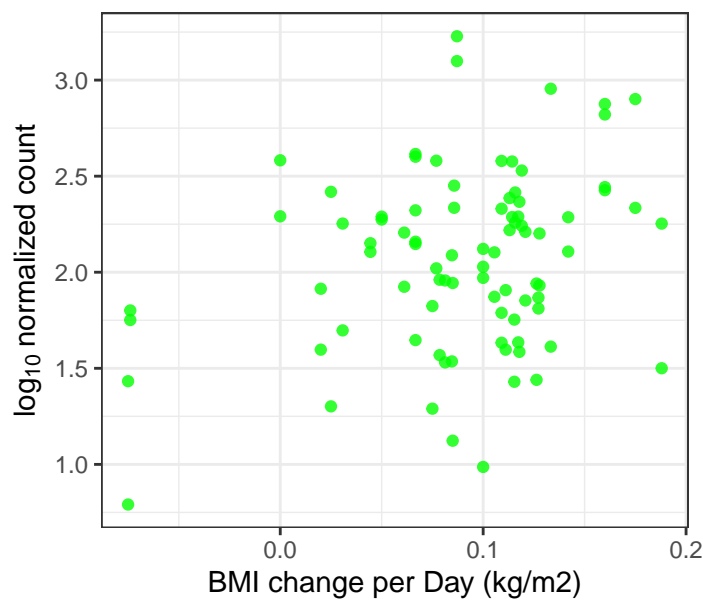
Herbaspirillum

p = 0.0448



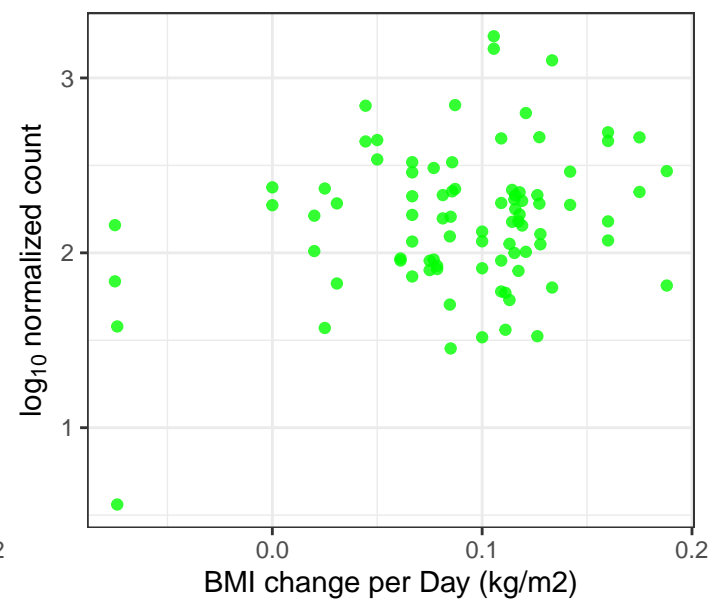
Microterricola

p = 0.0448



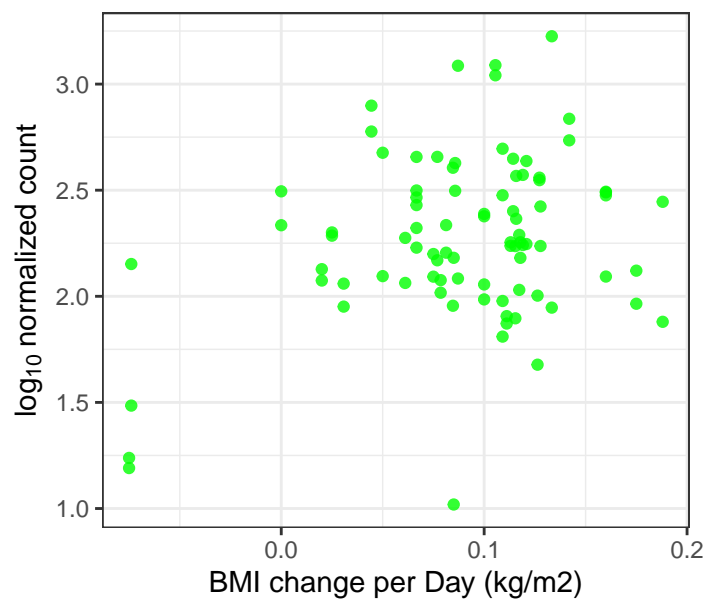
Pelolinea

p = 0.0448



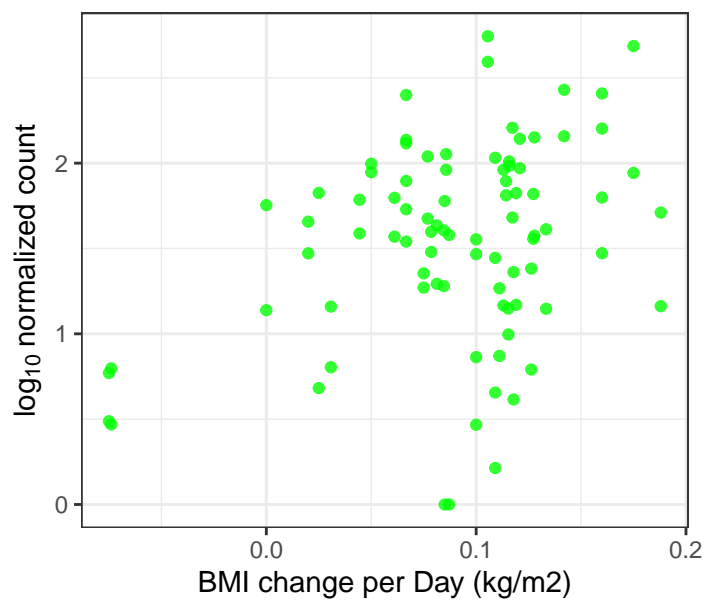
Staphylospora

p = 0.0448



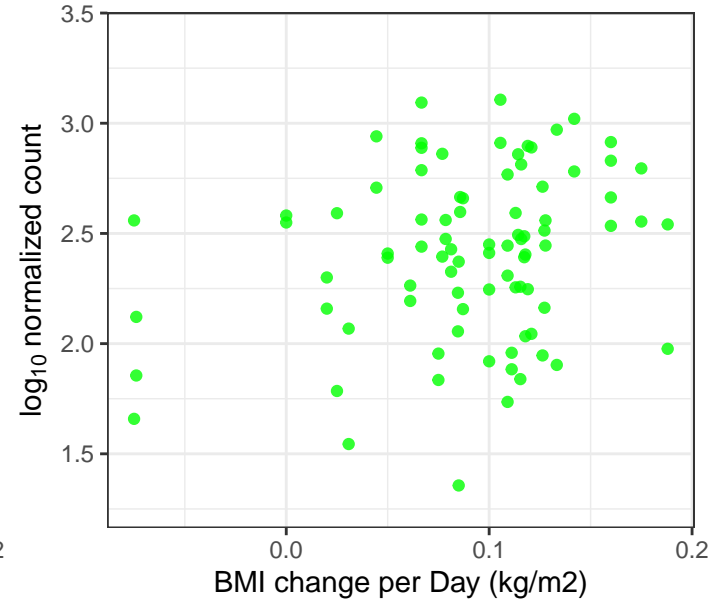
Unclassified Rhodospirillales Order

p = 0.0448



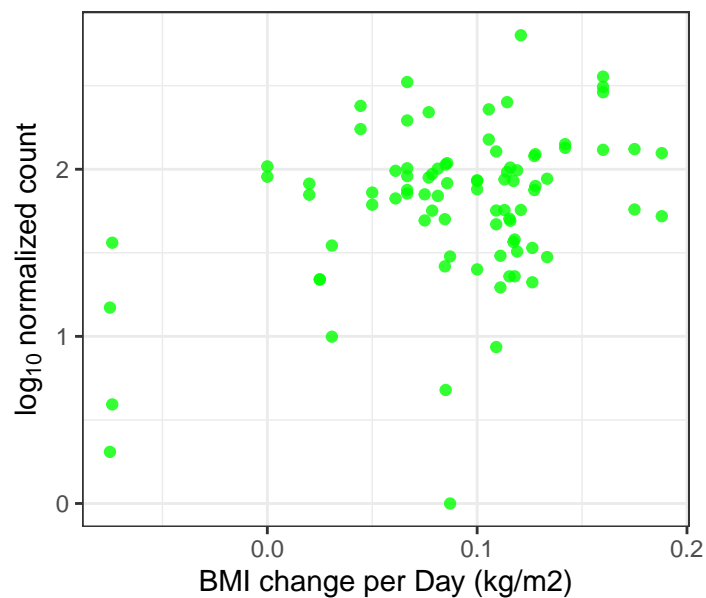
Unclassified Alcaligenaceae Family

p = 0.0448



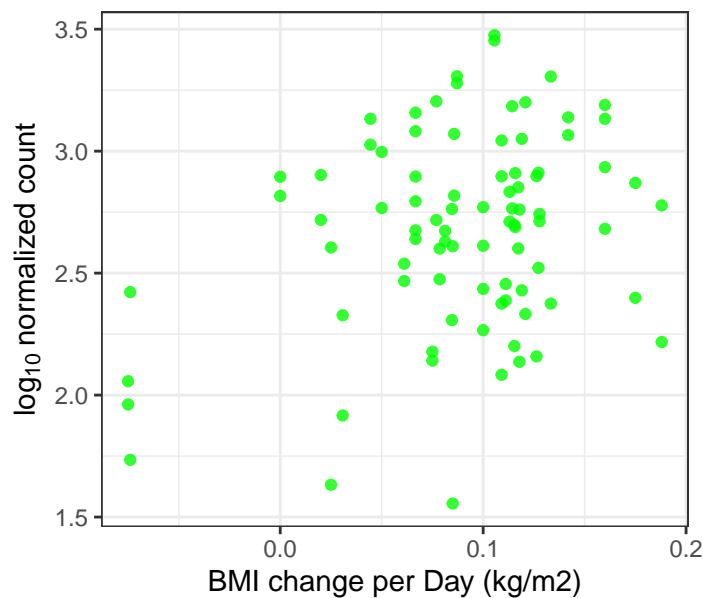
Kineobacterium

p = 0.045



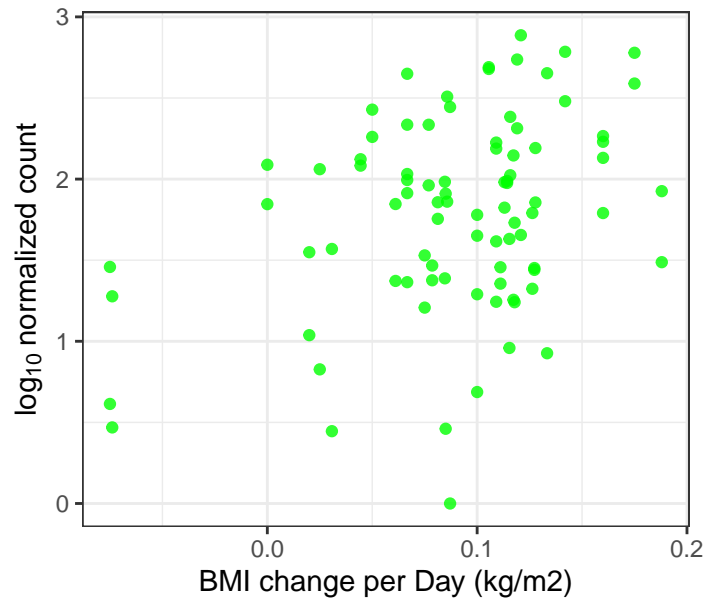
Rhodoferrax

p = 0.0452



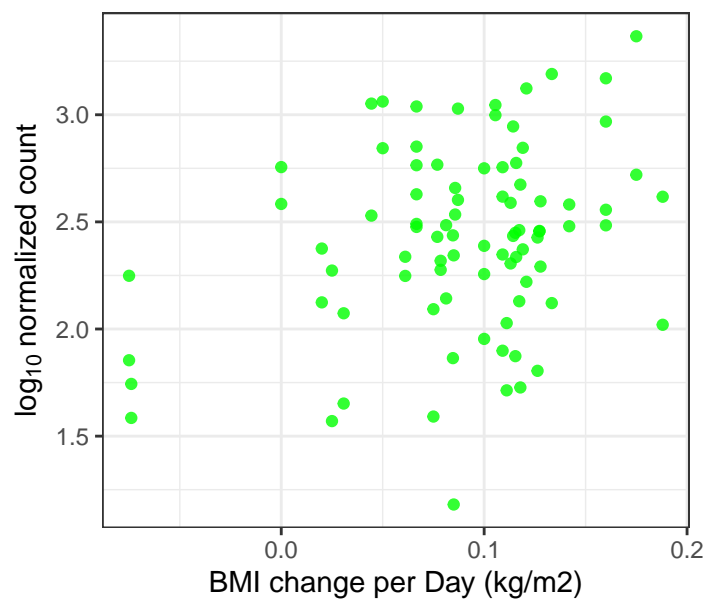
Gryllotalpicola

p = 0.0453



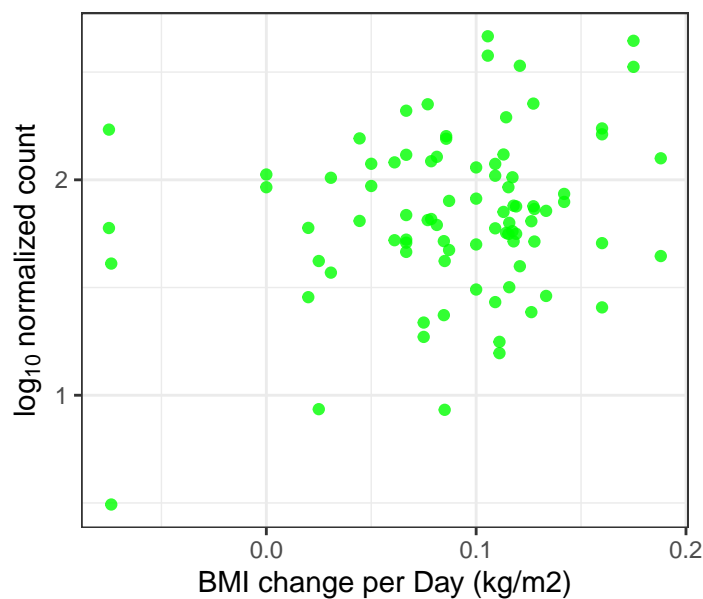
Limnochorda

p = 0.0457



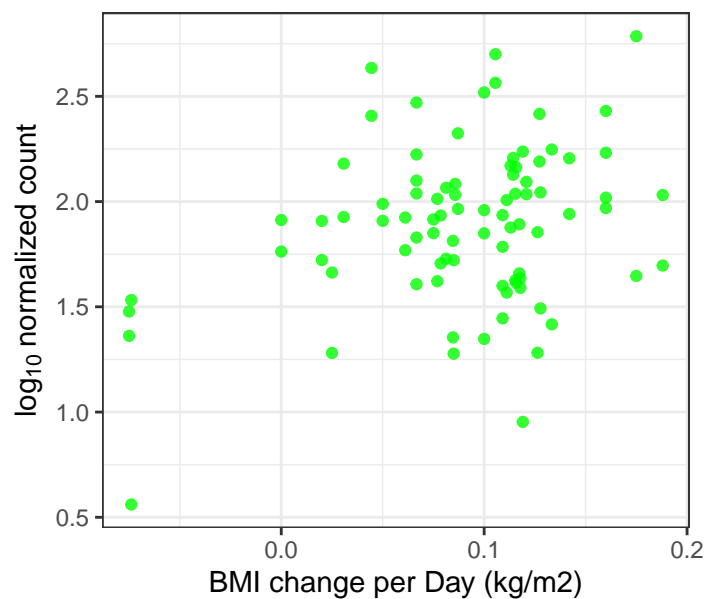
Caballeronia

p = 0.0459



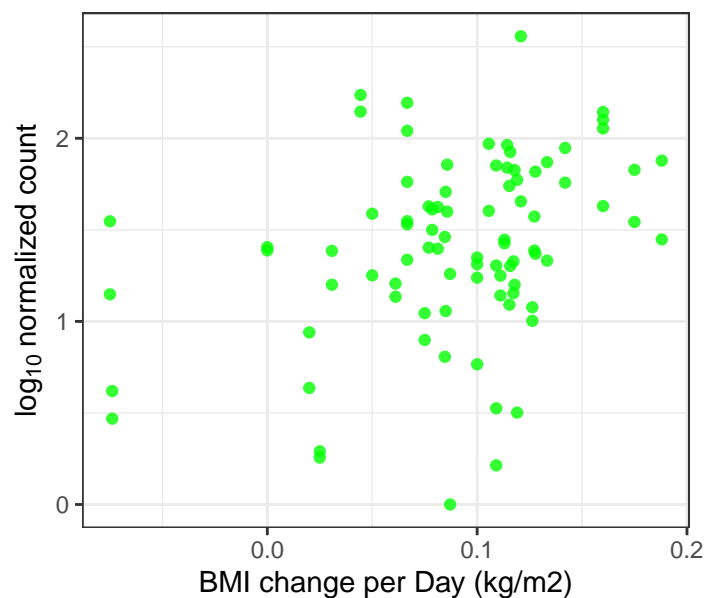
Synechocystis

p = 0.0459



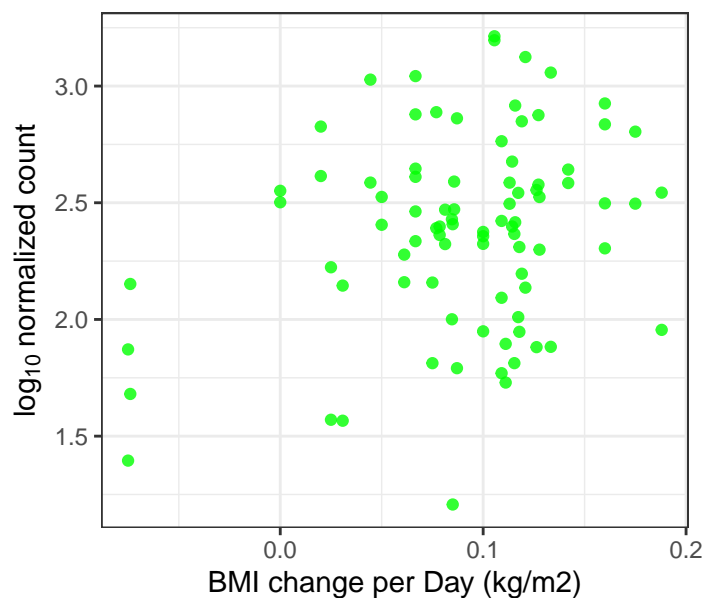
Unclassified Zoogloeaceae Family

p = 0.046



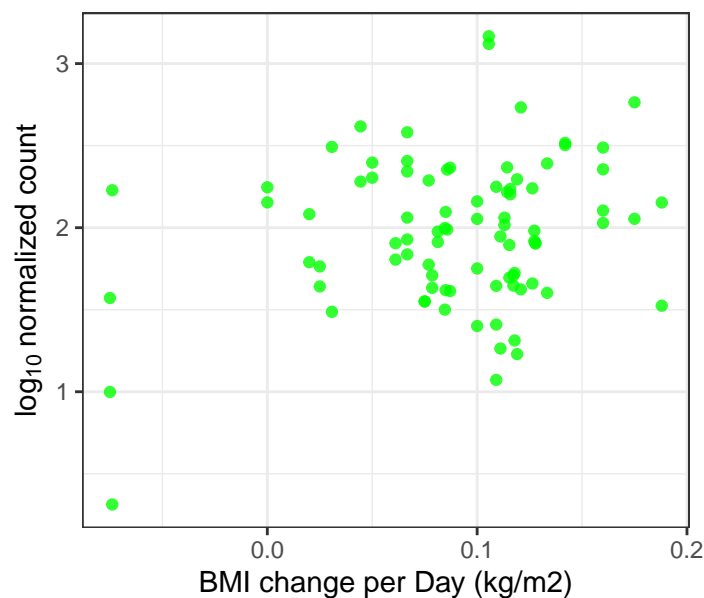
Gloeobacter

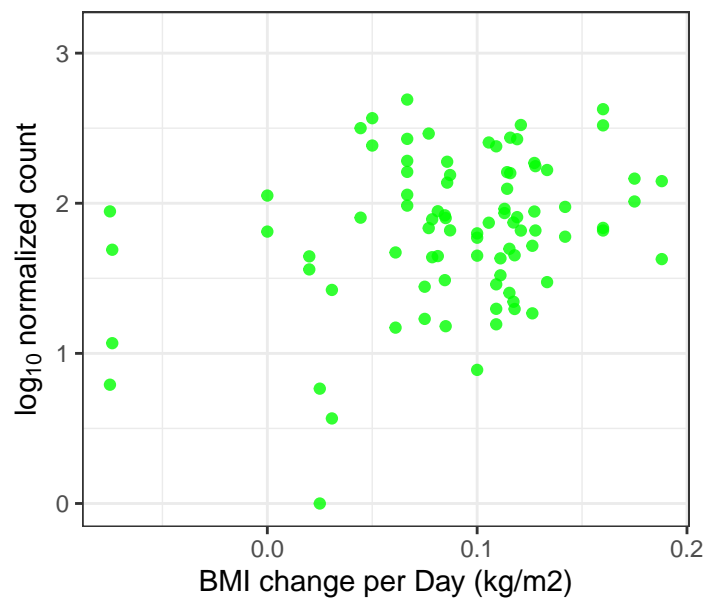
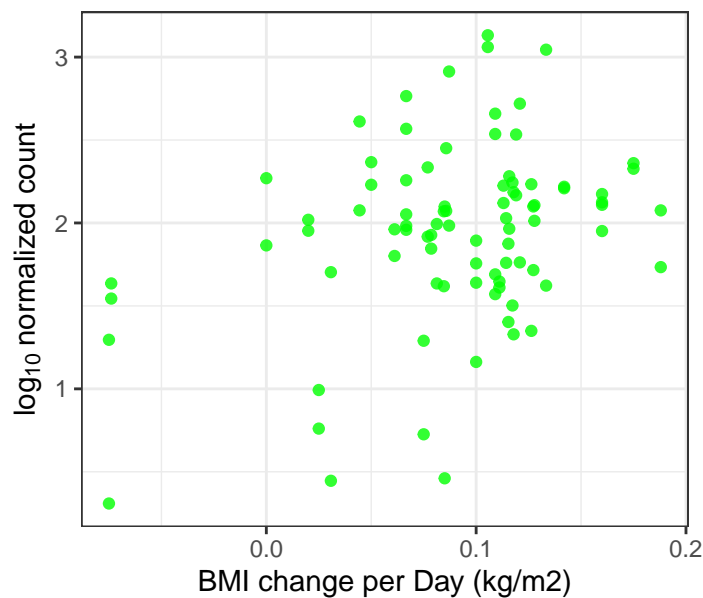
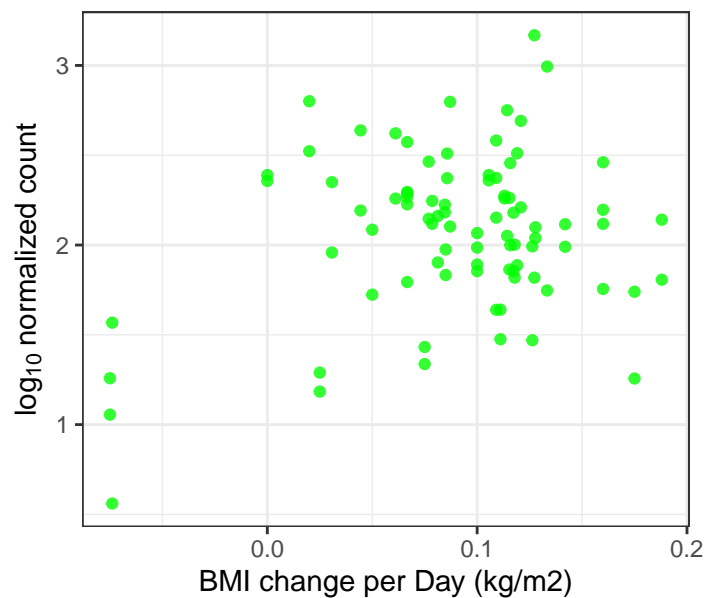
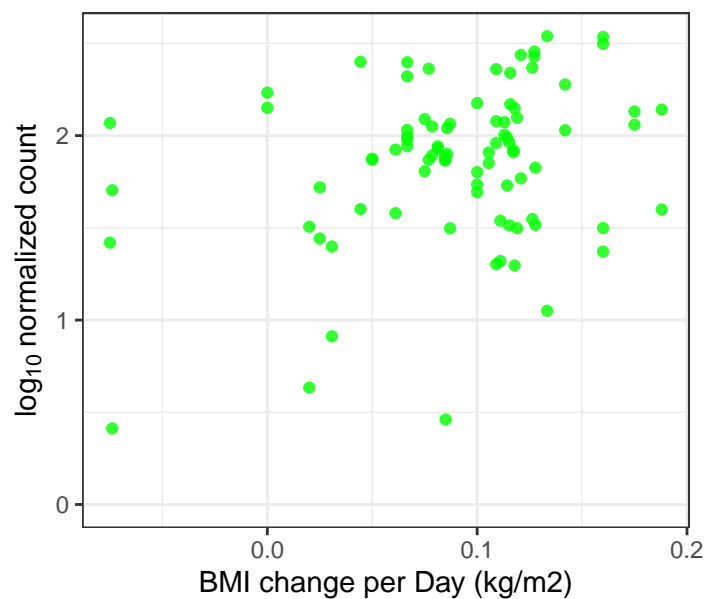
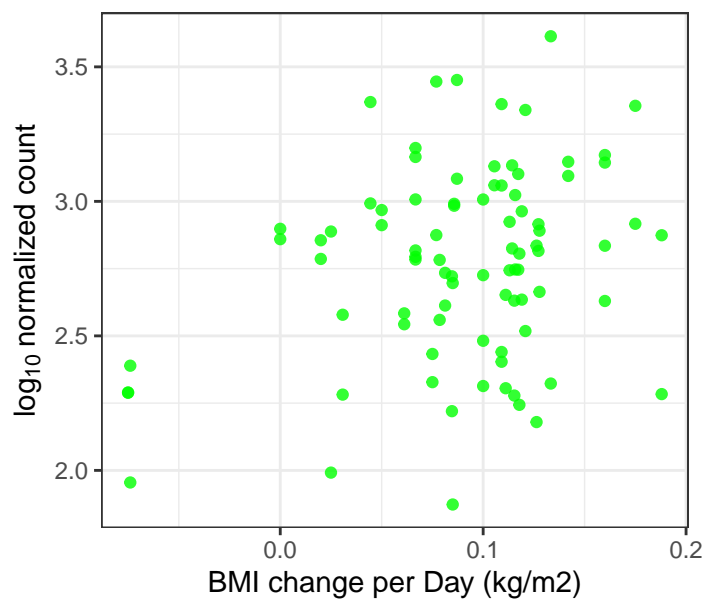
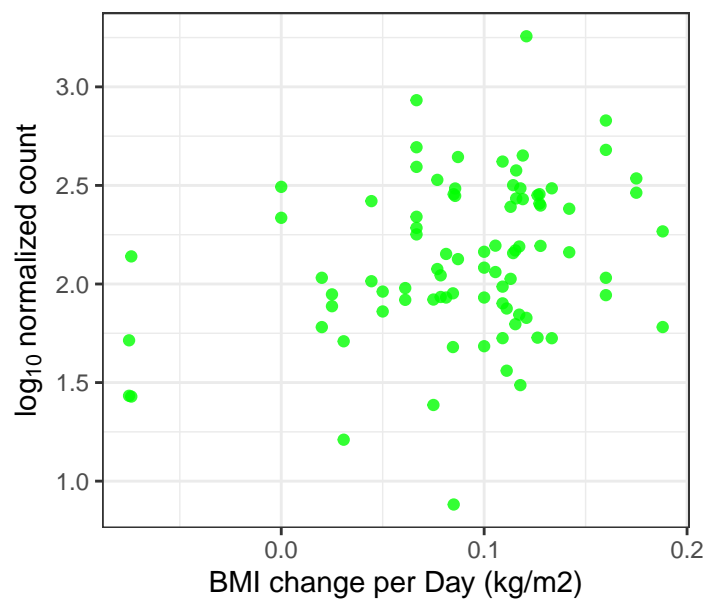
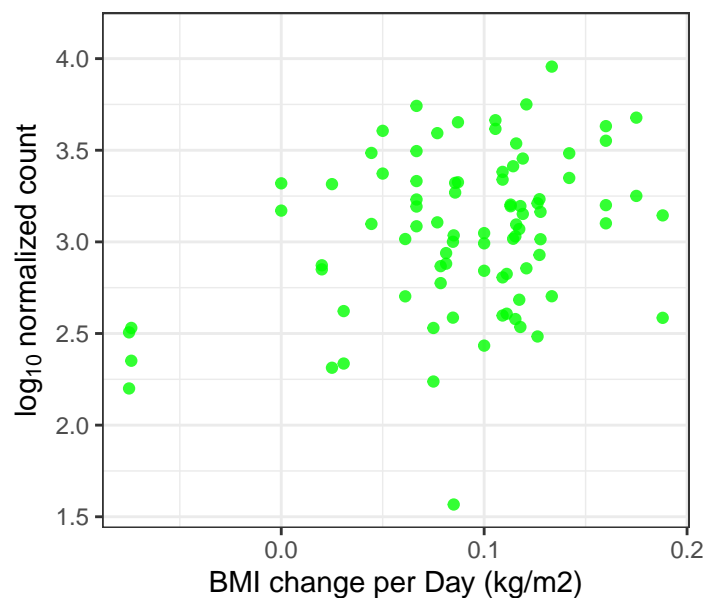
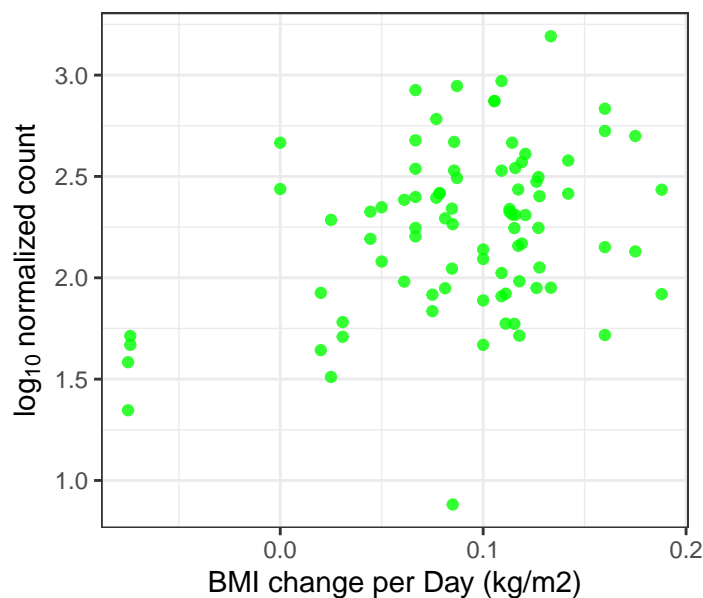
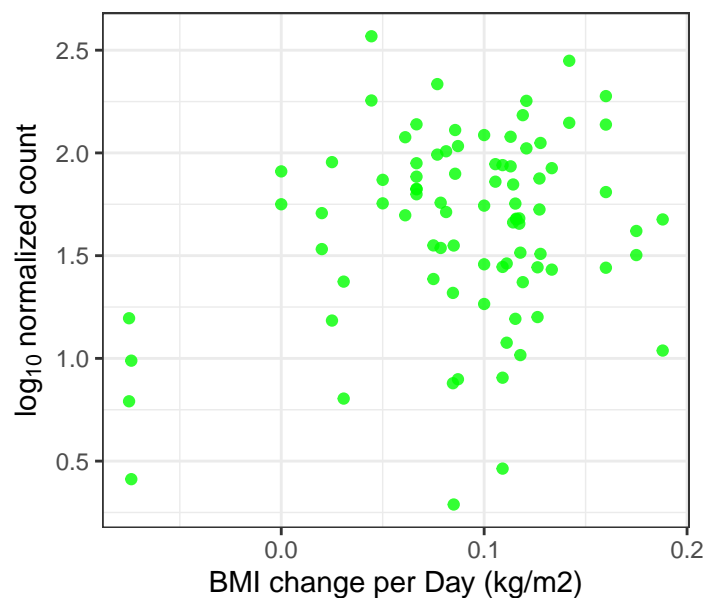
p = 0.0465



Ktedonosporobacter

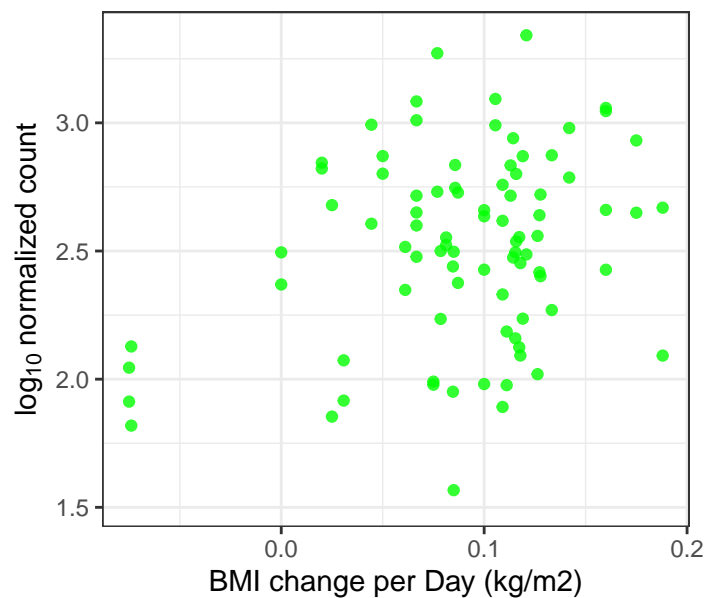
p = 0.0465



Kytococcus $p = 0.0465$ **Salipiger** $p = 0.0465$ **Chryseolinea** $p = 0.0475$ **Casimicrobium** $p = 0.048$ **Unclassified Rhizobiaceae Family** $p = 0.048$ **Yangia** $p = 0.0482$ **Actinoplanes** $p = 0.0485$ **Acidihalobacter** $p = 0.0485$ **Methylovulum** $p = 0.0489$ 

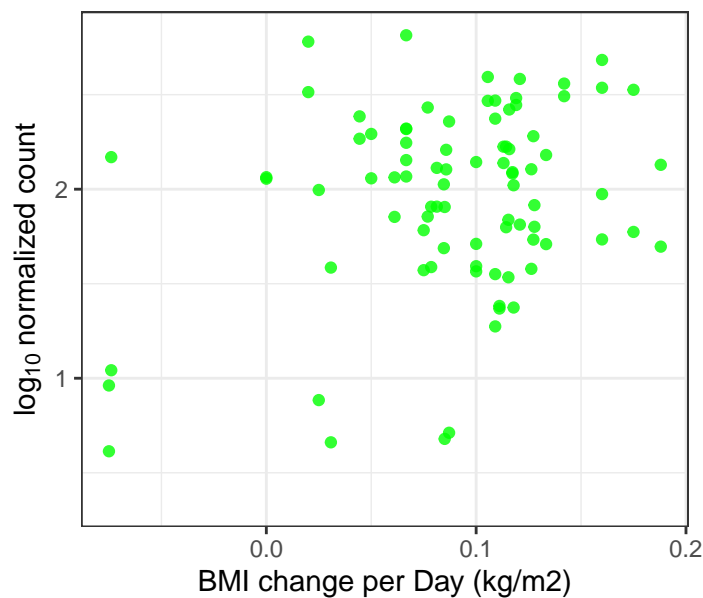
Mycobacteroides

p = 0.0489



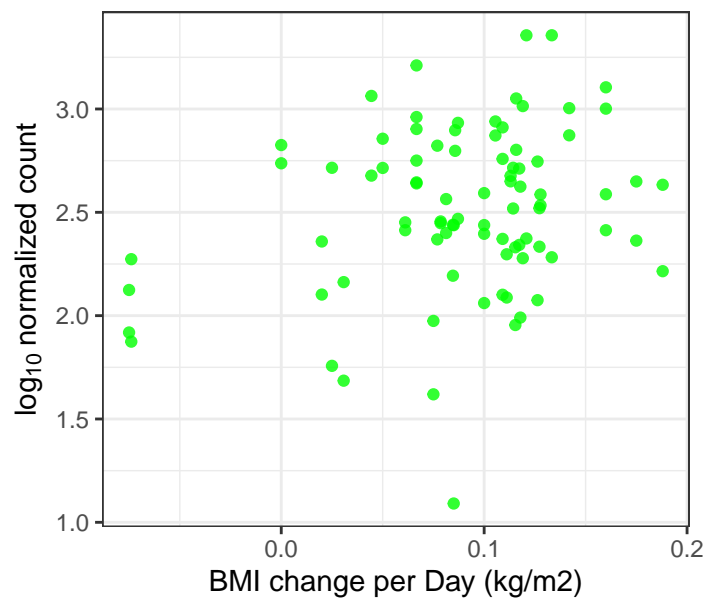
Laribacter

p = 0.0491



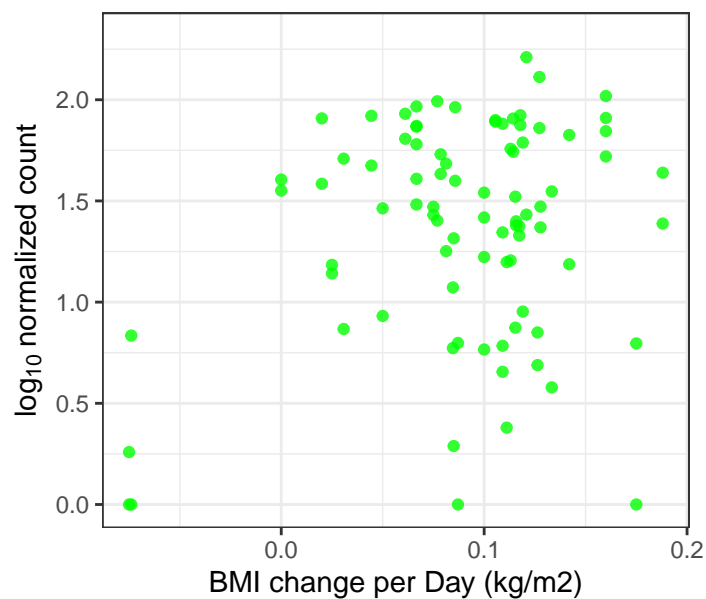
Luteimonas

p = 0.0491



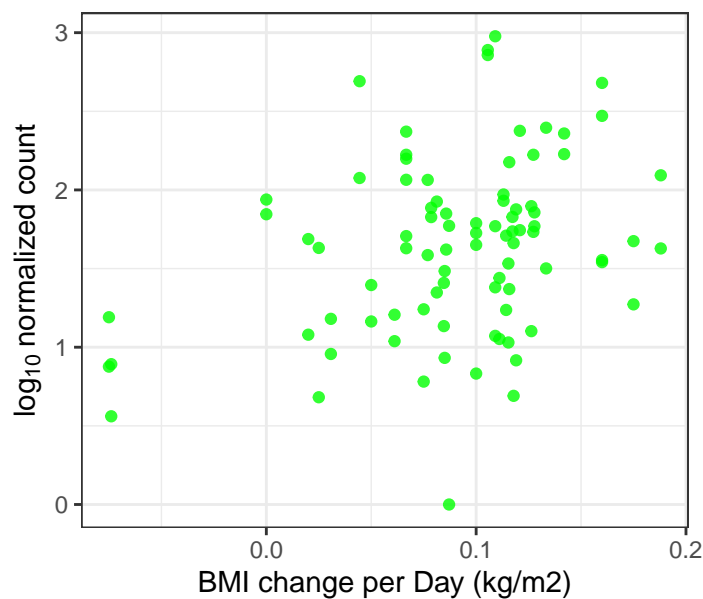
Thermovibrio

p = 0.0491



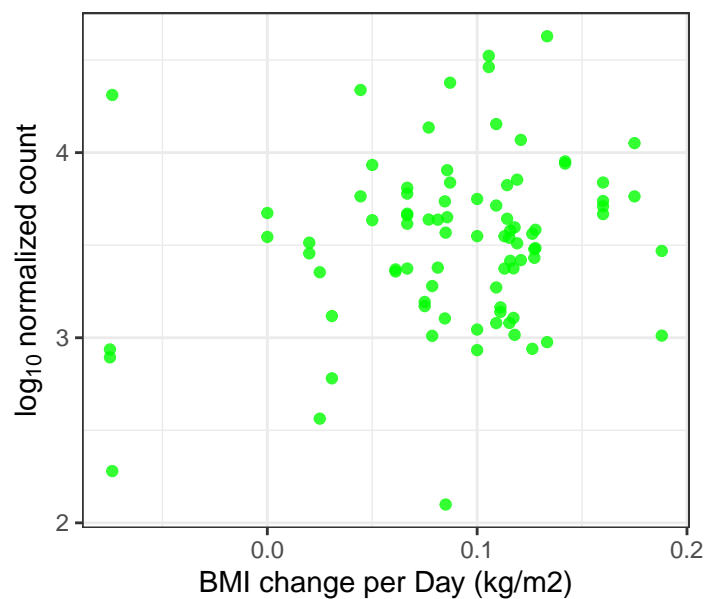
Unclassified Chromobacteriaceae Family

p = 0.0491



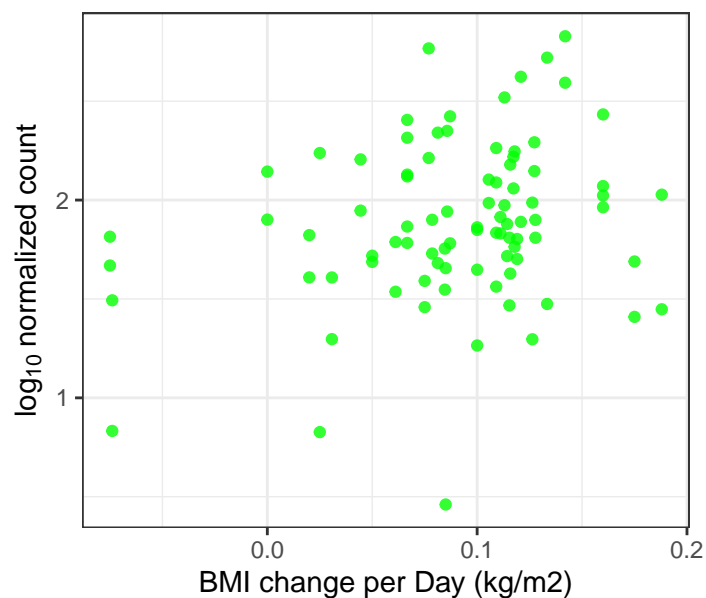
Caproiciproducens

p = 0.0493



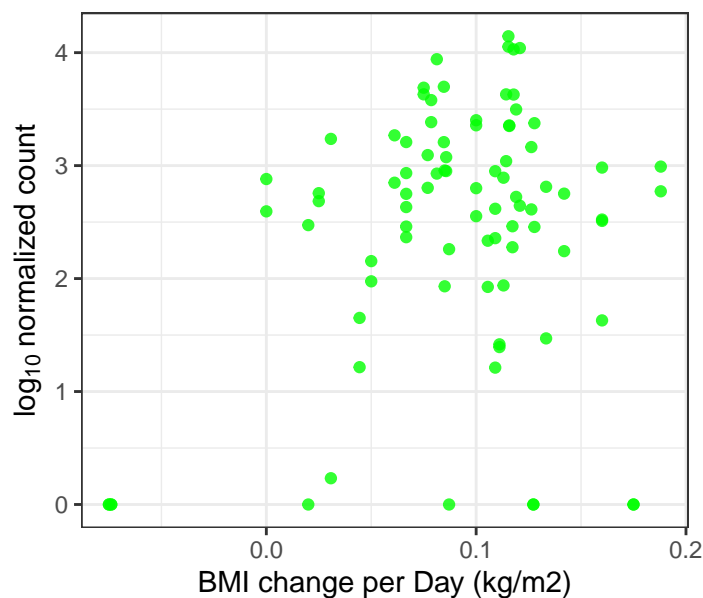
Cohaesibacter

p = 0.0493



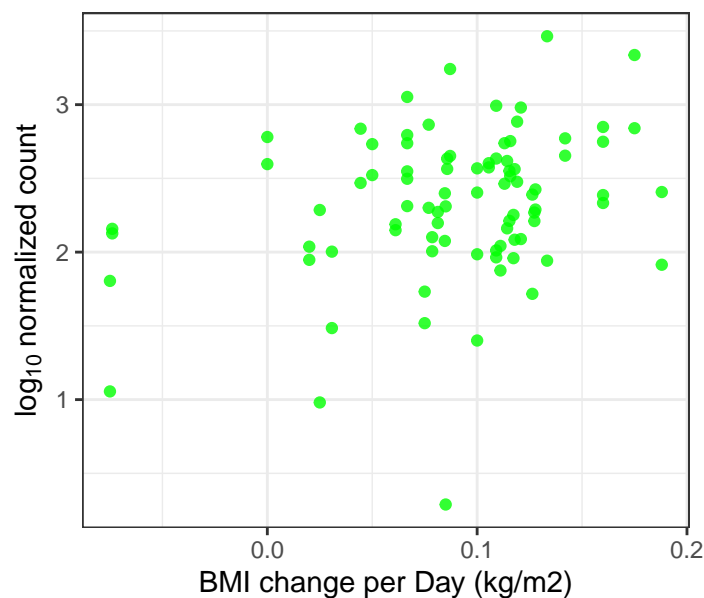
Unclassified Odoribacteraceae Family

p = 0.0496



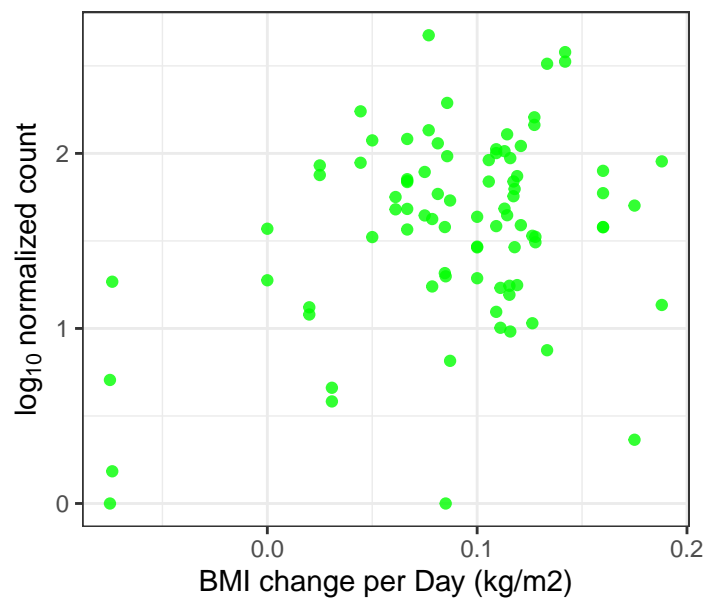
Tsukamurella

p = 0.0497



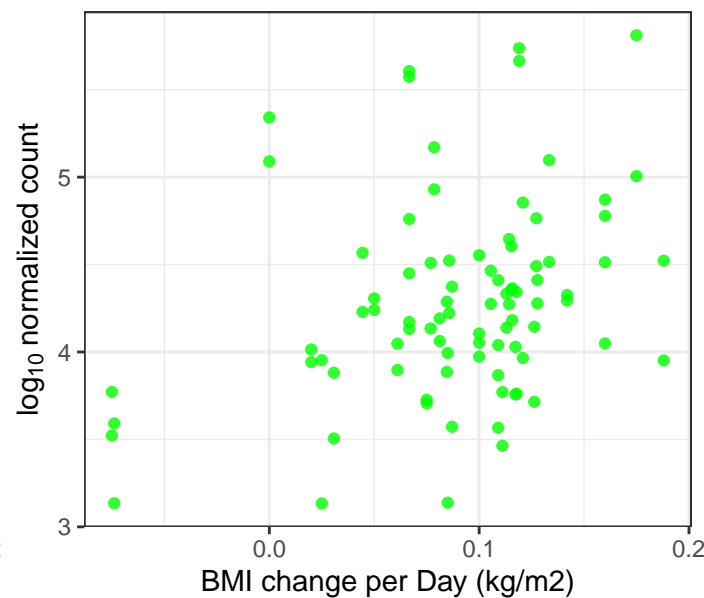
Unclassified Chlorobiaceae Family

p = 0.0497



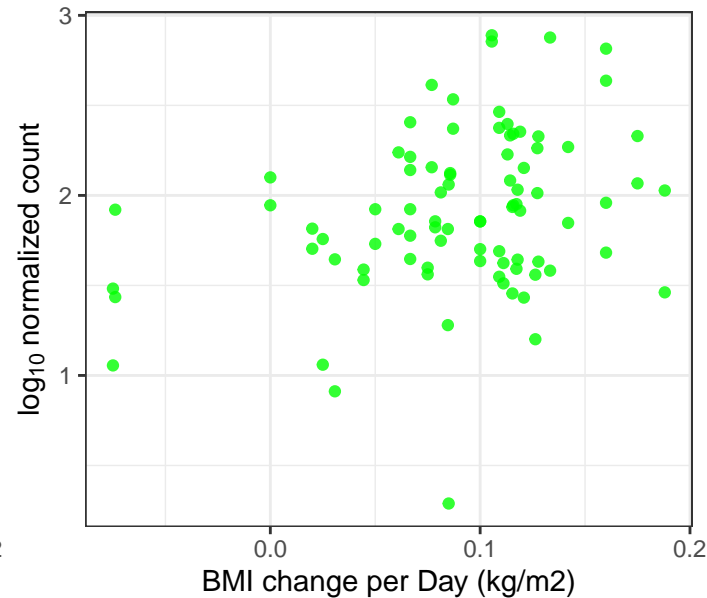
Flintibacter

p = 0.0498



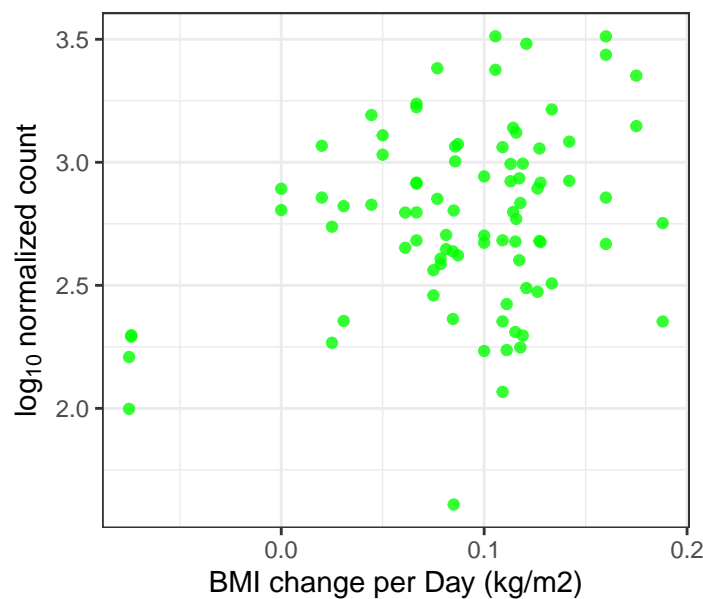
Unclassified Pseudonocardiaceae Family

p = 0.0498



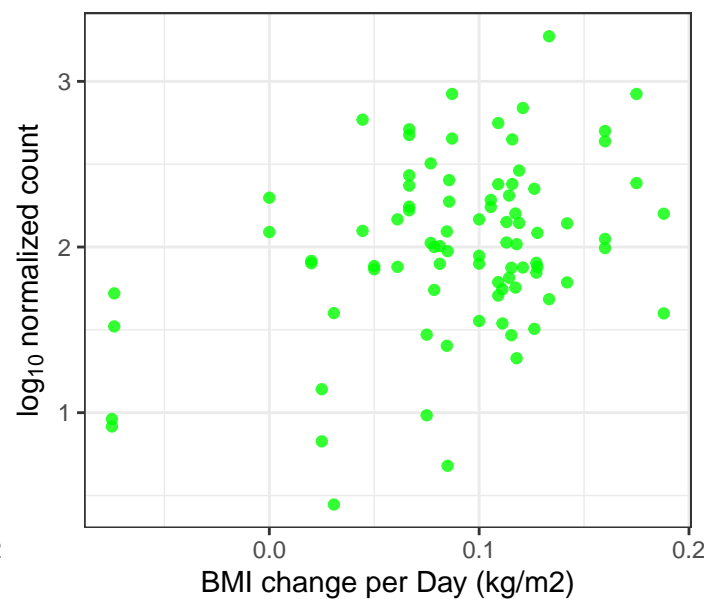
Sphingopyxis

p = 0.0498



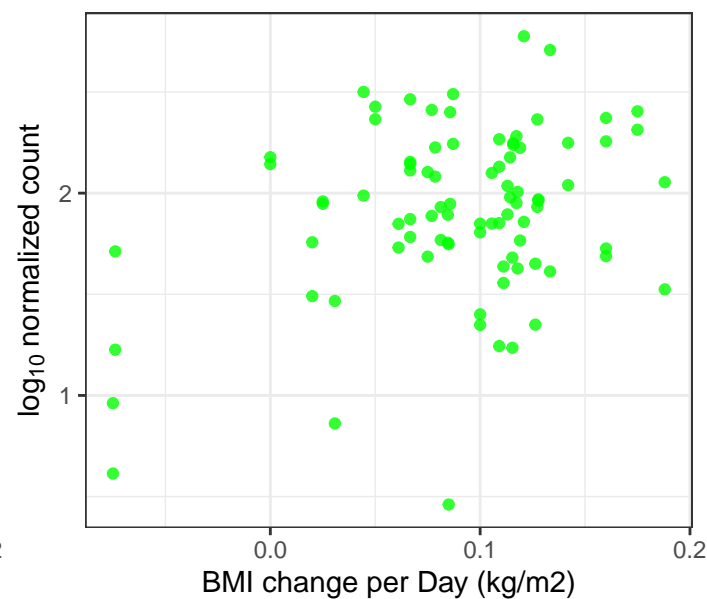
Unclassified Gemmataceae Family

p = 0.0498



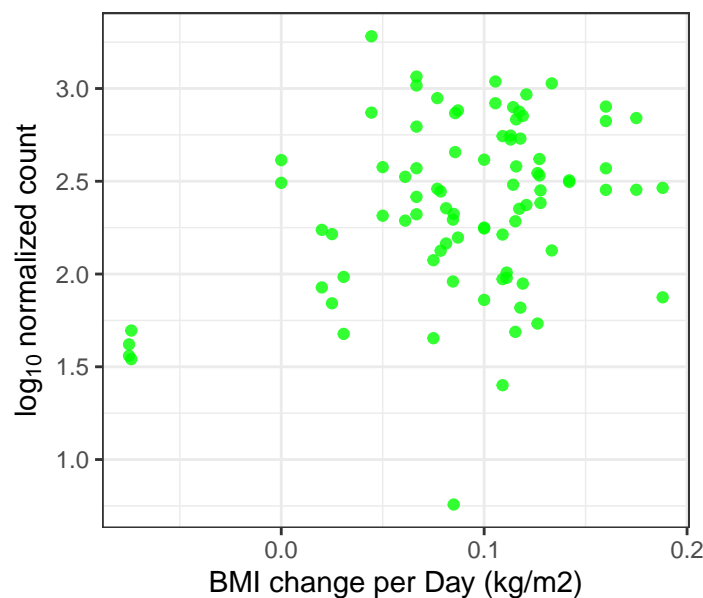
Candidatus Accumulibacter

p = 0.0507



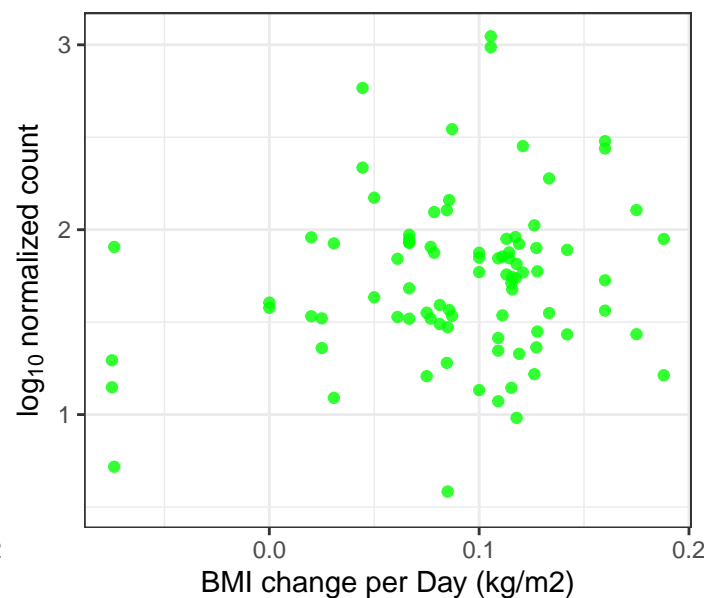
Rhodospirillum

p = 0.0507



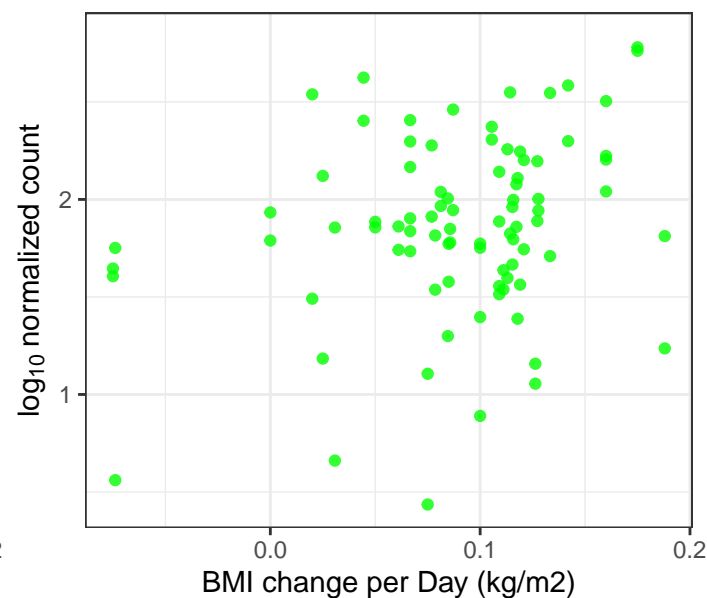
Salaquimonas

p = 0.0507



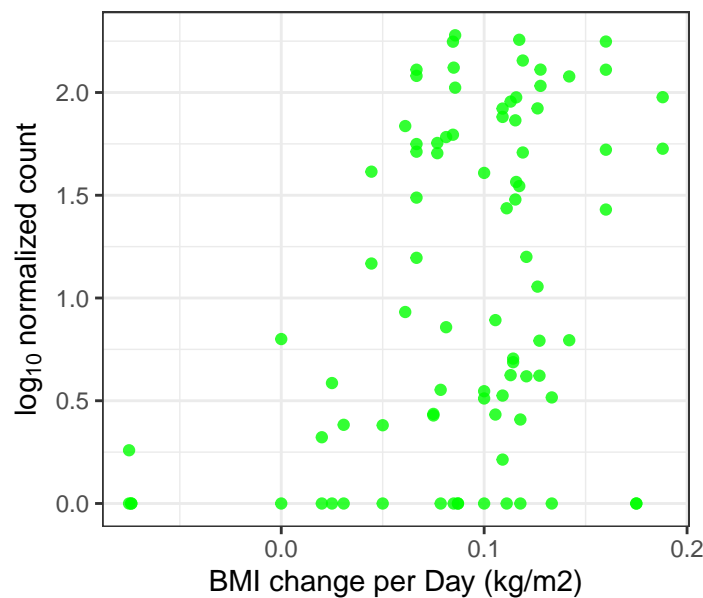
Gibbsiella

p = 0.0509



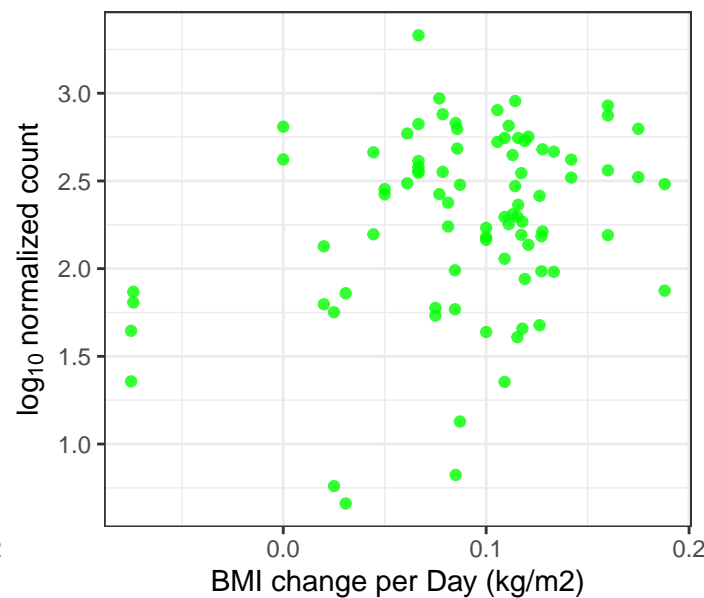
Unclassified Acidaminococcaceae Fam

p = 0.0509



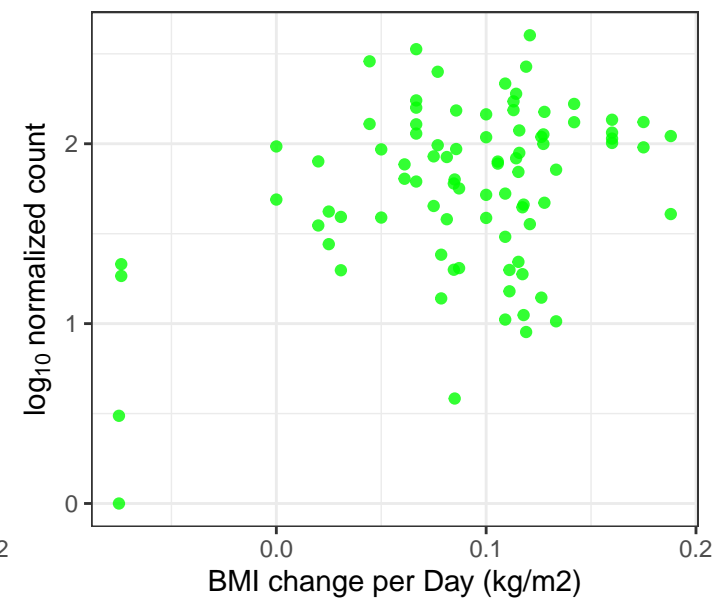
Unclassified Desulfovibrionaceae Famil

p = 0.0509



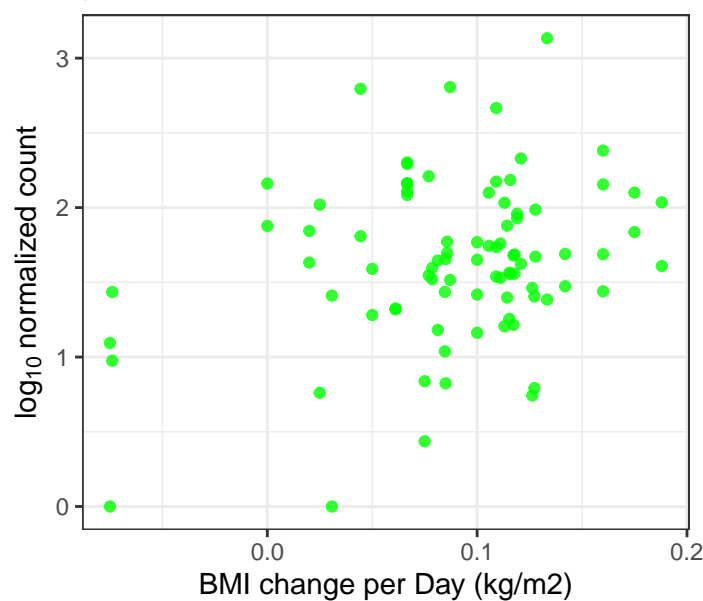
Desulfobacca

p = 0.0511



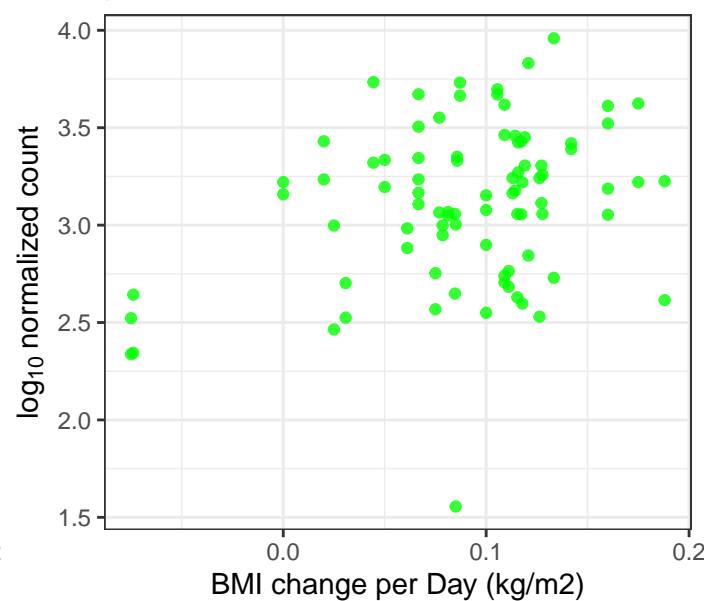
Haloterrigena

p = 0.0511



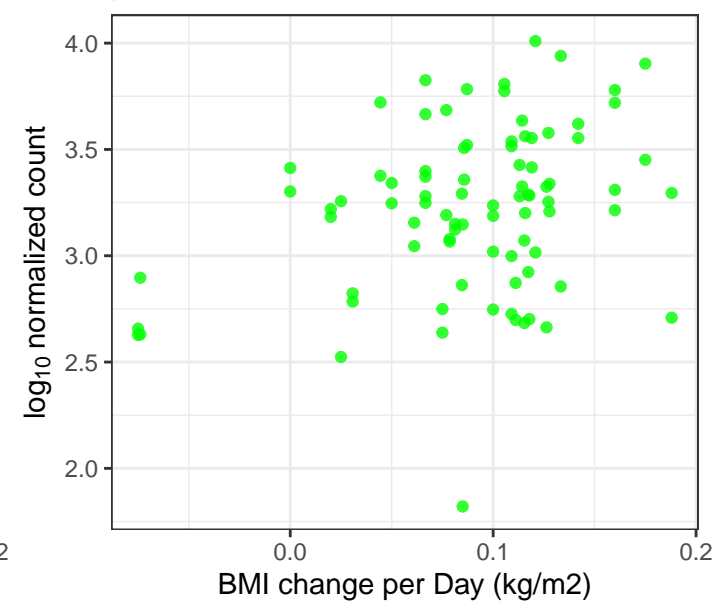
Unclassified Rhodobacteraceae Family

p = 0.0511



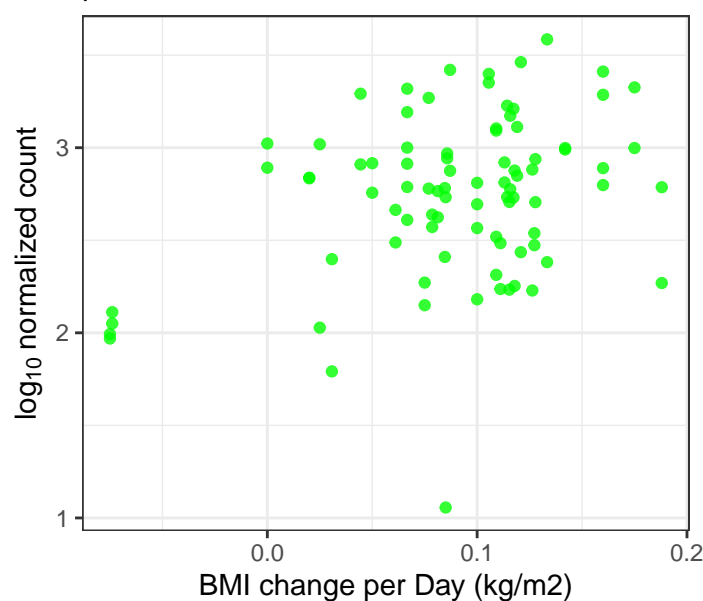
Stenotrophomonas

p = 0.0511



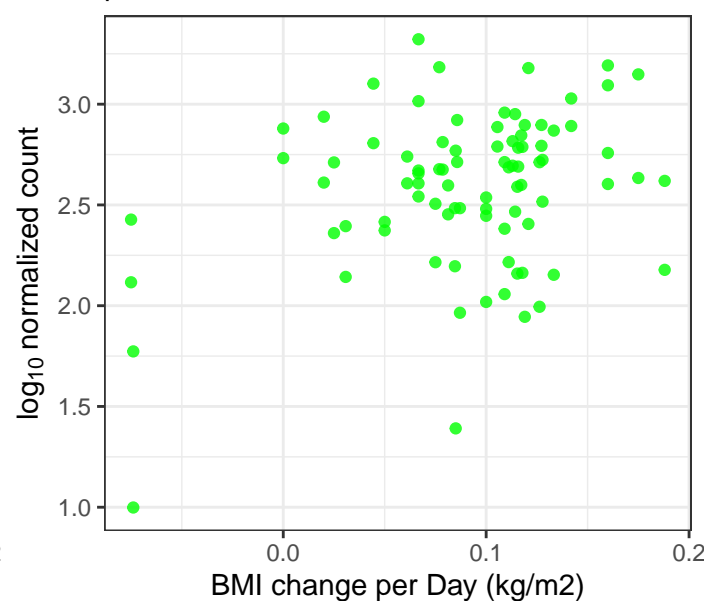
Rhodobacter

p = 0.0512



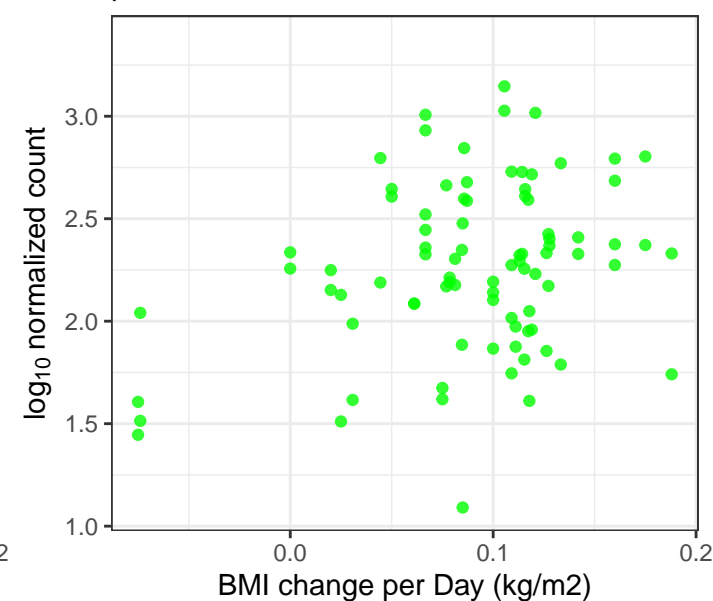
Desulfomicrobium

p = 0.0512



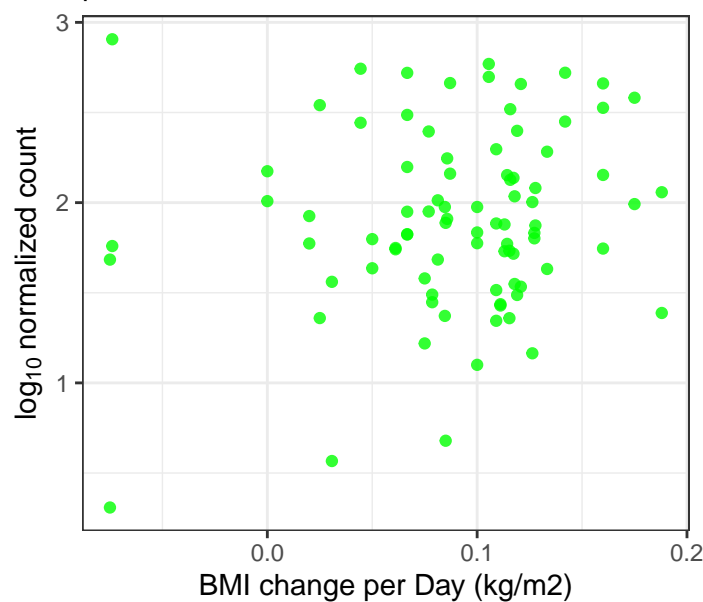
Dyella

p = 0.0512



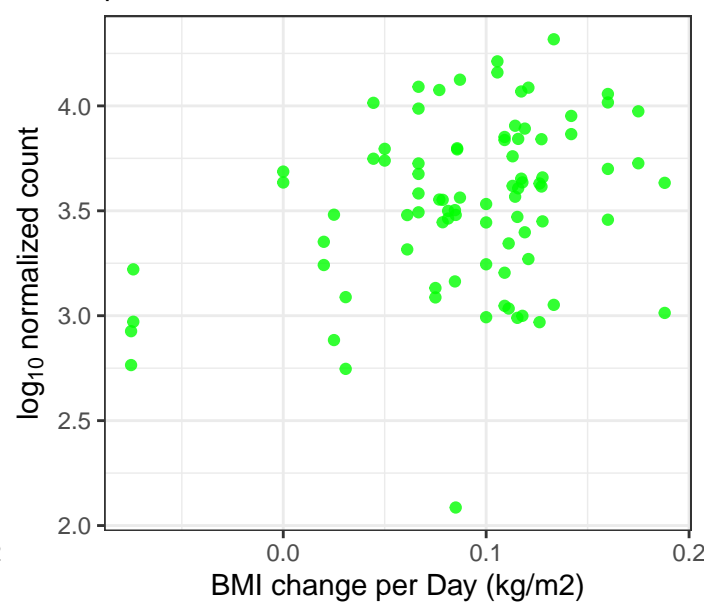
Gluconacetobacter

$p = 0.0512$



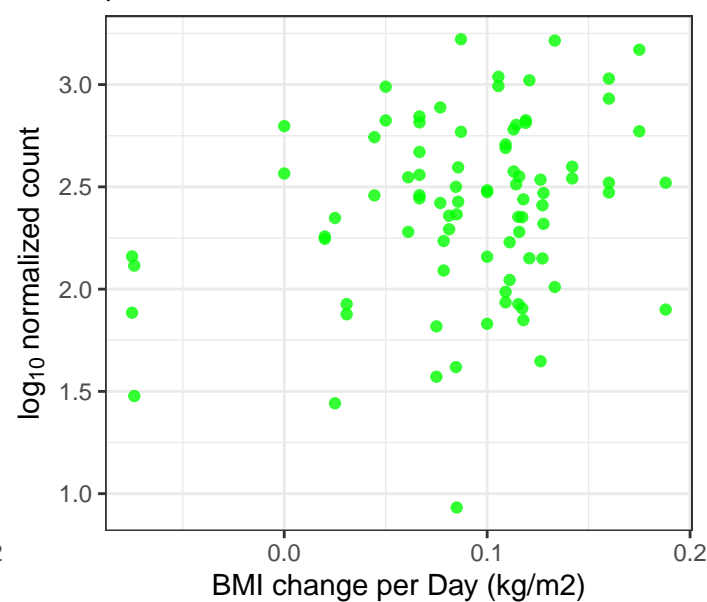
Unclassified Alphaproteobacteria Class

$p = 0.0514$



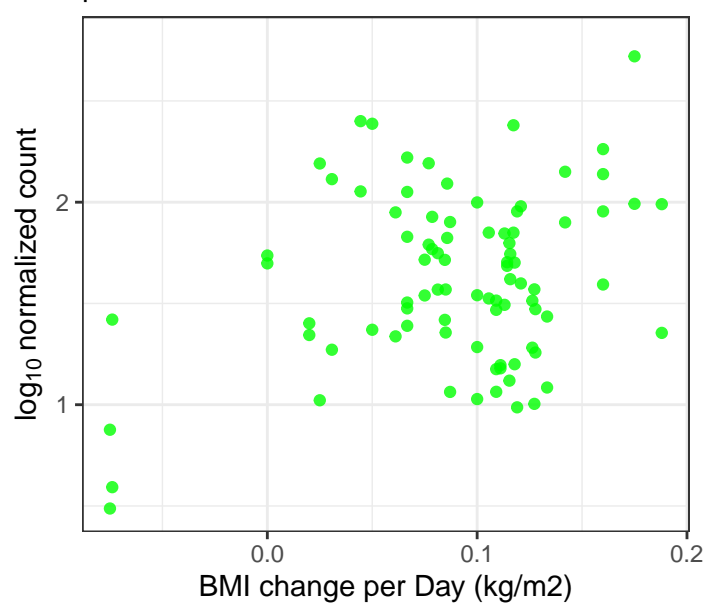
Unclassified Micrococcaceae Family

$p = 0.0514$



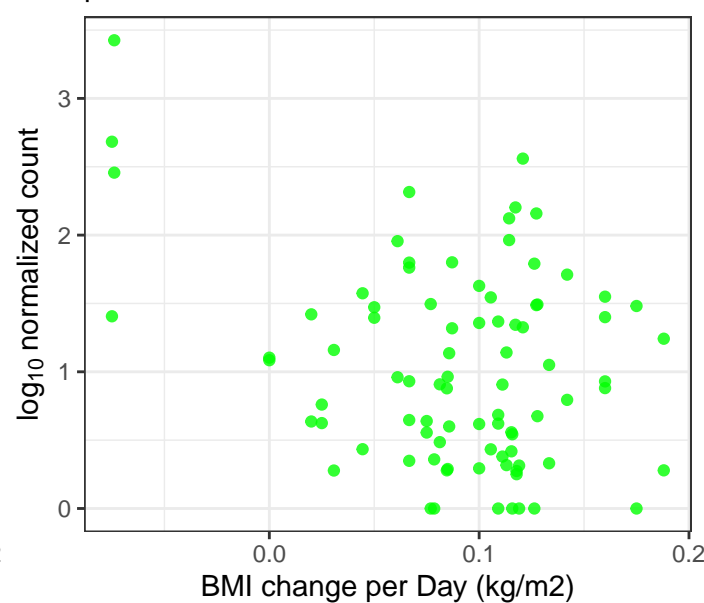
Unclassified Rhodocyclaceae Family

$p = 0.0514$



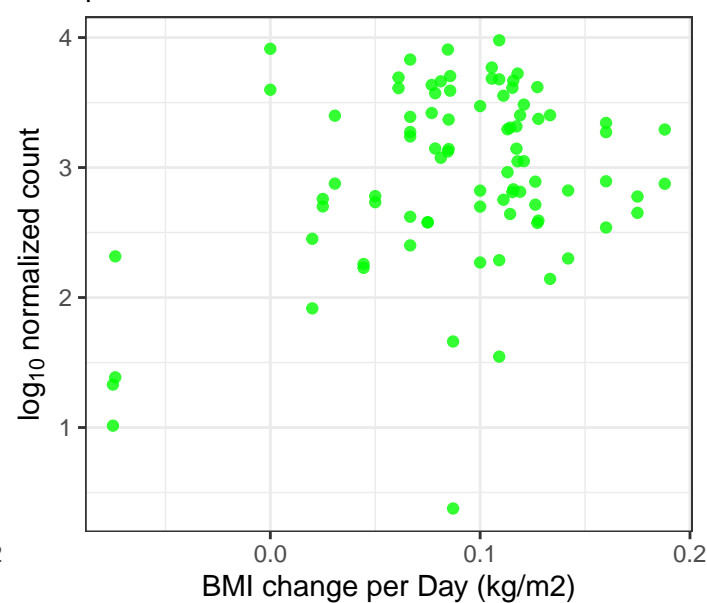
Unclassified Leuconostocaceae Family

$p = 0.0519$



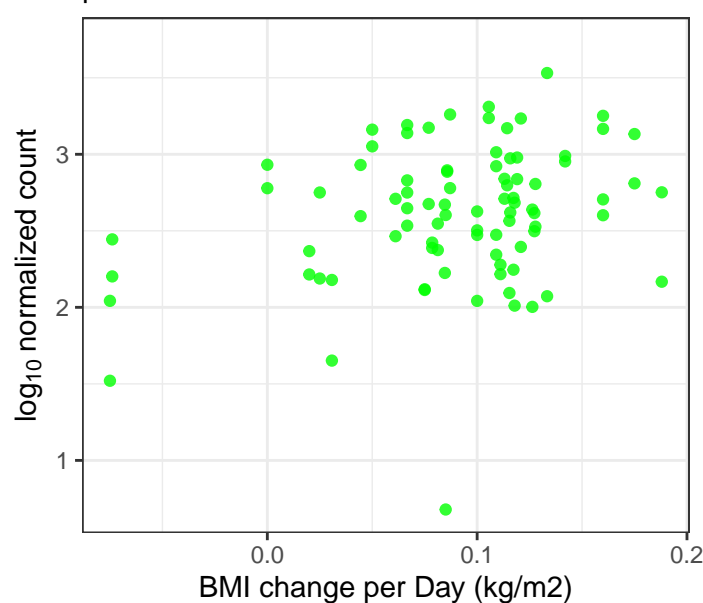
Barnesiella

$p = 0.0525$



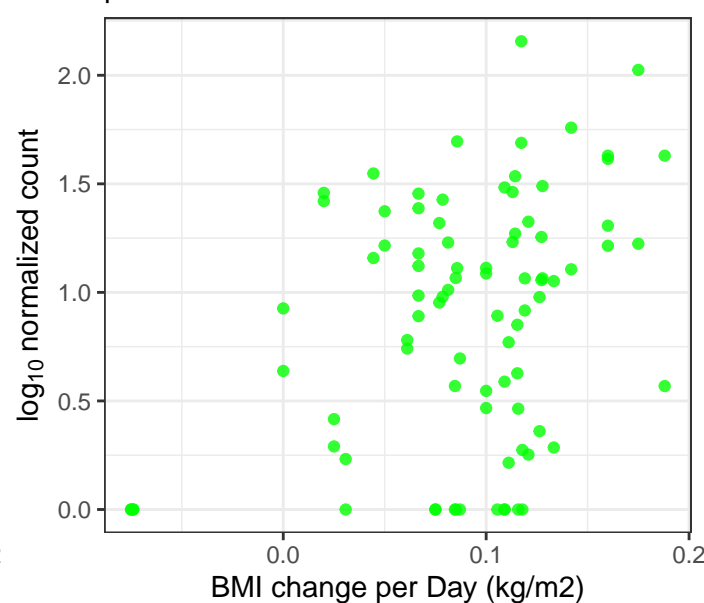
Aeromicrobium

$p = 0.0527$



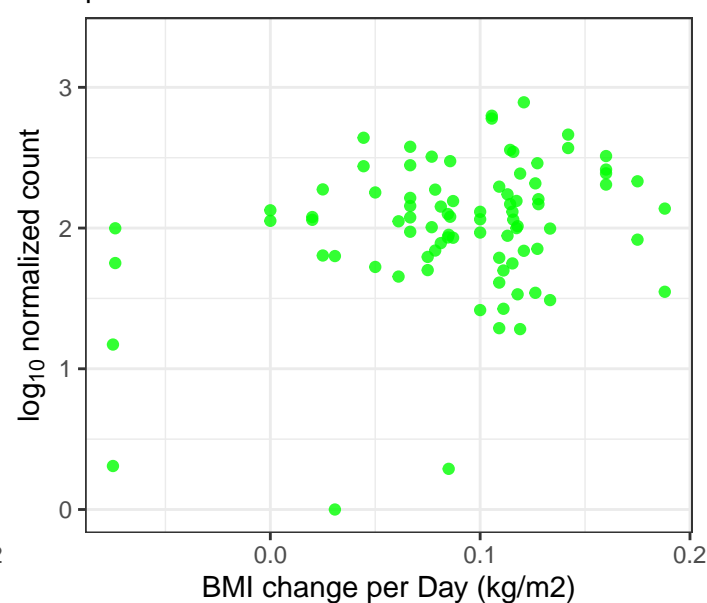
Unclassified Rhodobacterales Order

$p = 0.0527$



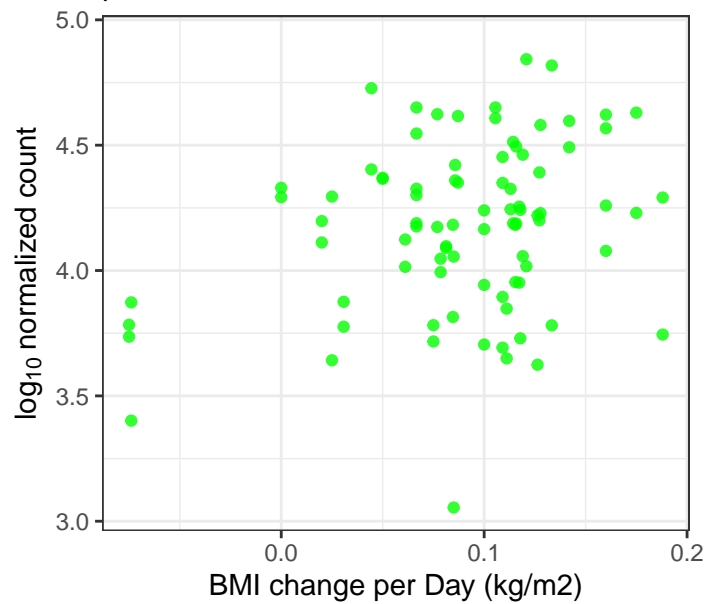
Thiocystis

$p = 0.0531$



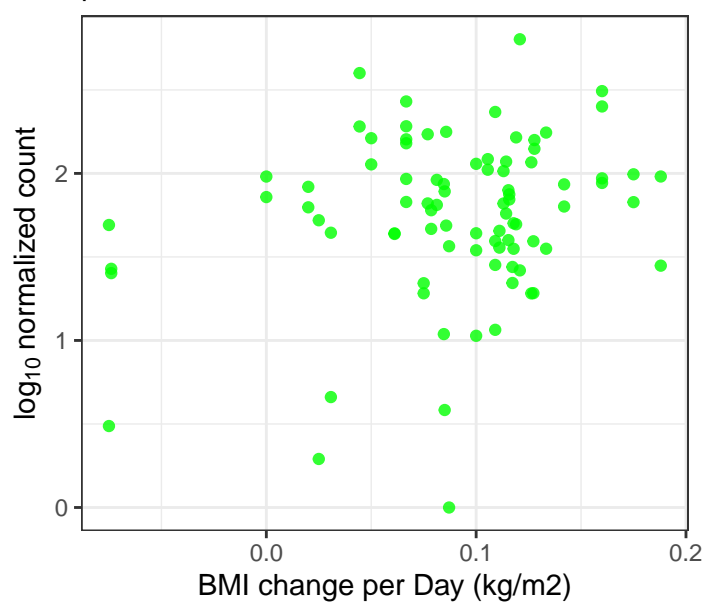
Pseudomonas

p = 0.0539



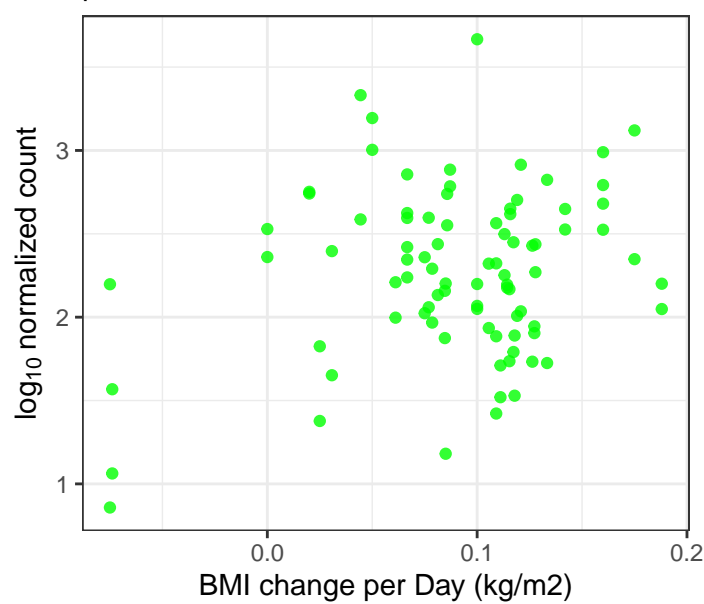
Haematobacter

p = 0.055



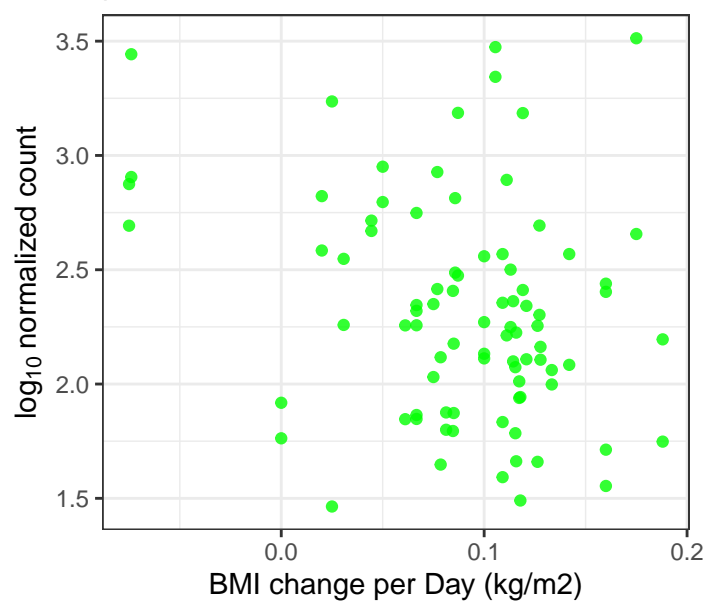
Haloferax

p = 0.055



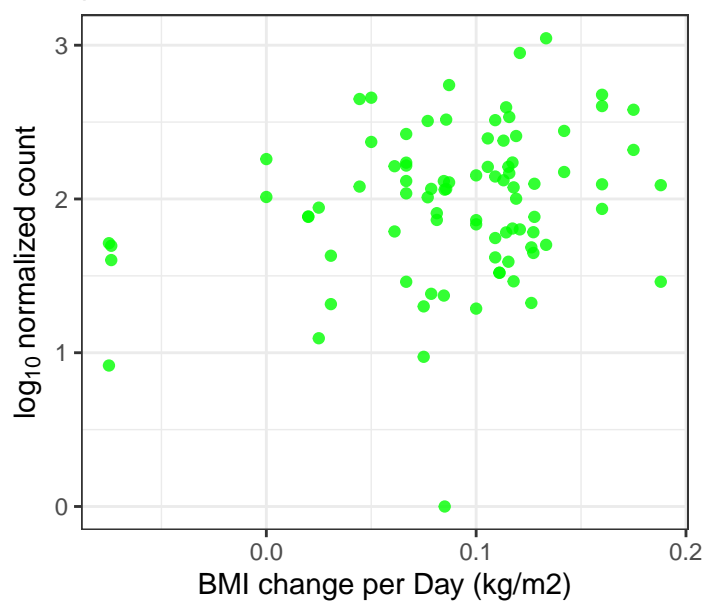
Saccharomyces

p = 0.055



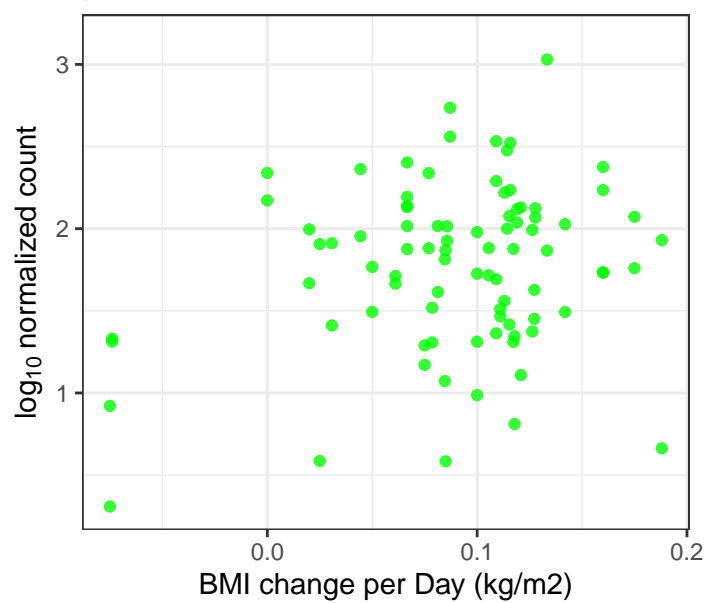
Actinopolymorpha

p = 0.0552



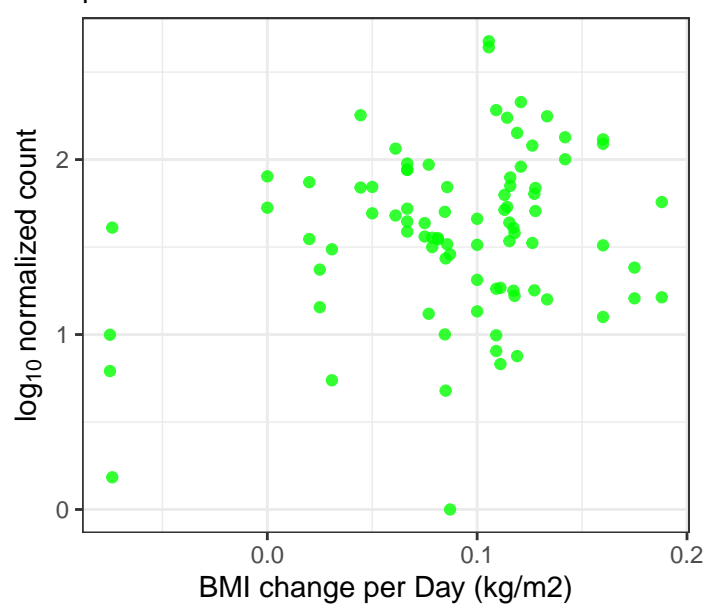
Oceanicola

p = 0.0557



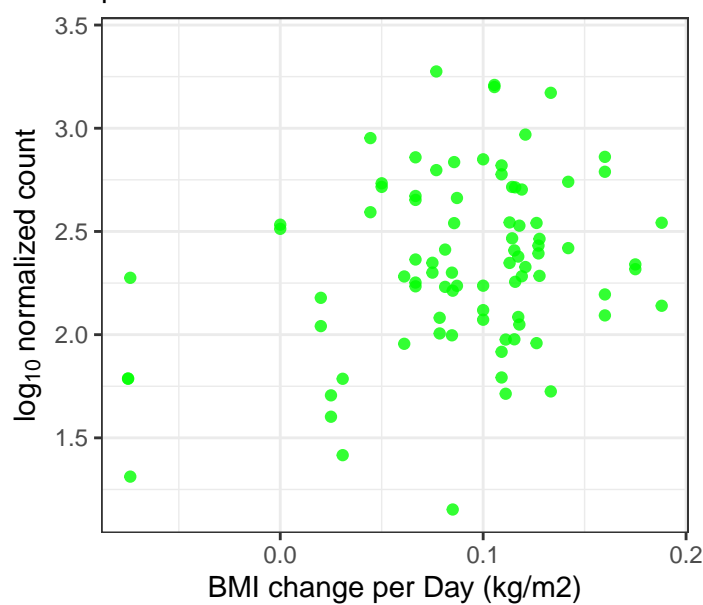
Teredinibacter

p = 0.0559



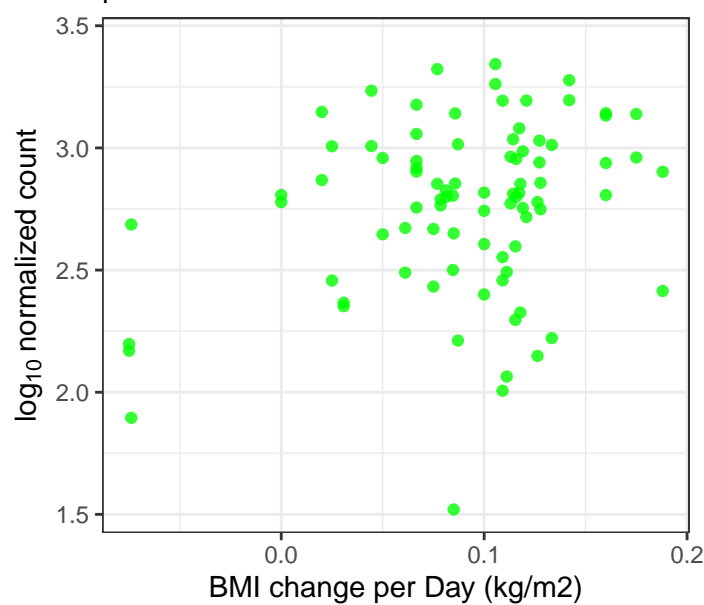
Colletotrichum

p = 0.0561



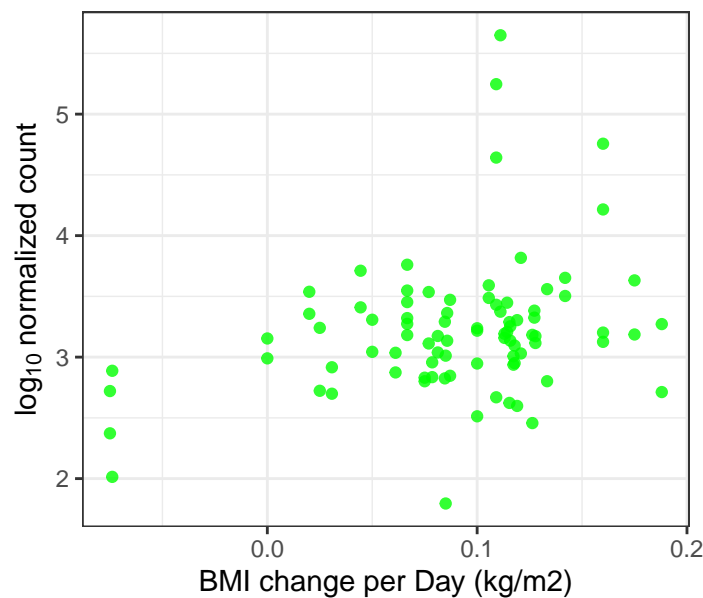
Sulfitobacter

p = 0.0565



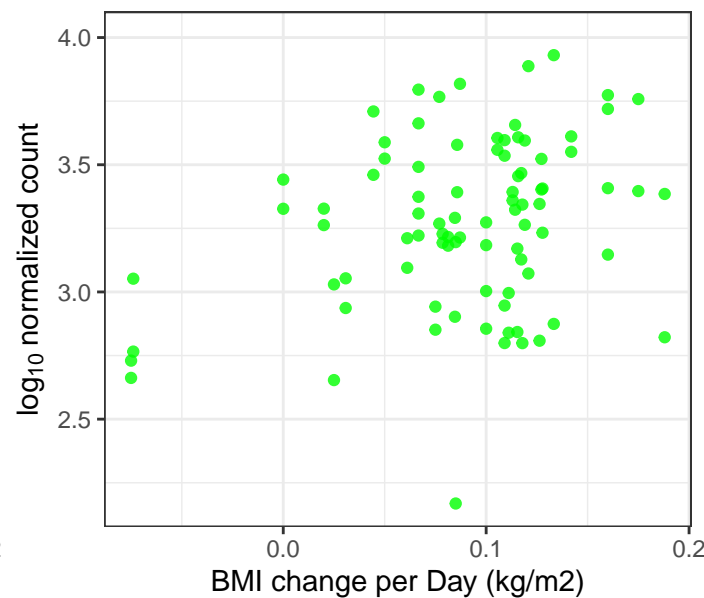
Acidaminococcus

p = 0.0568



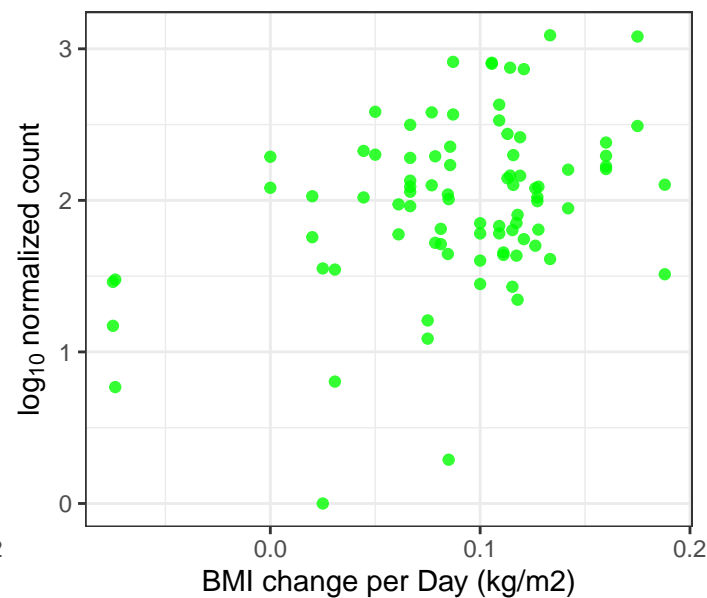
Mesorhizobium

p = 0.057



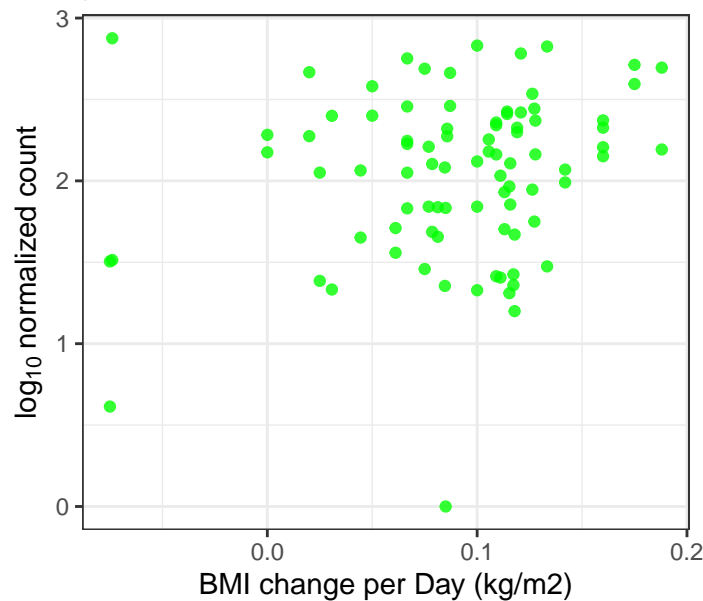
Geodermatophilus

p = 0.0571



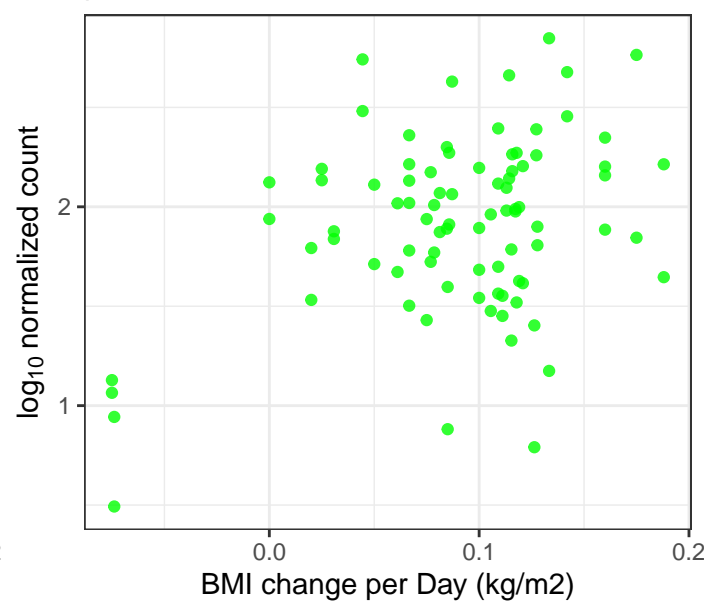
Unclassified Propionibacteriaceae Family

p = 0.0571



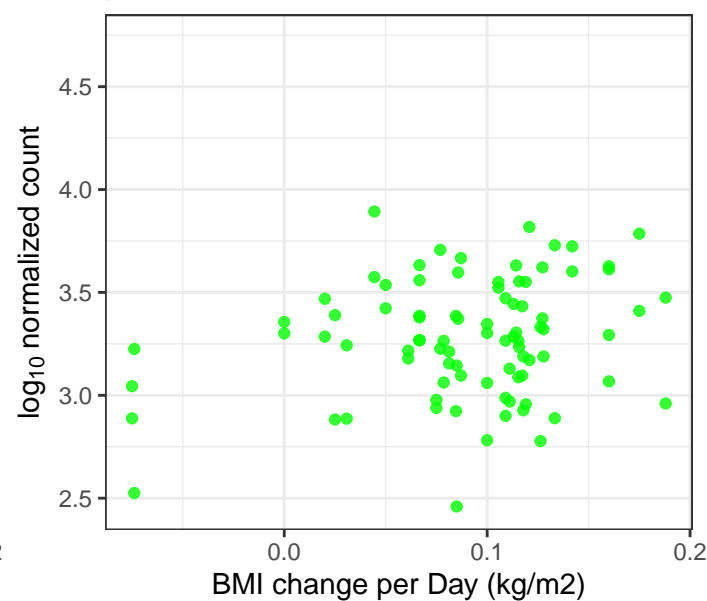
Planctopirus

p = 0.0575



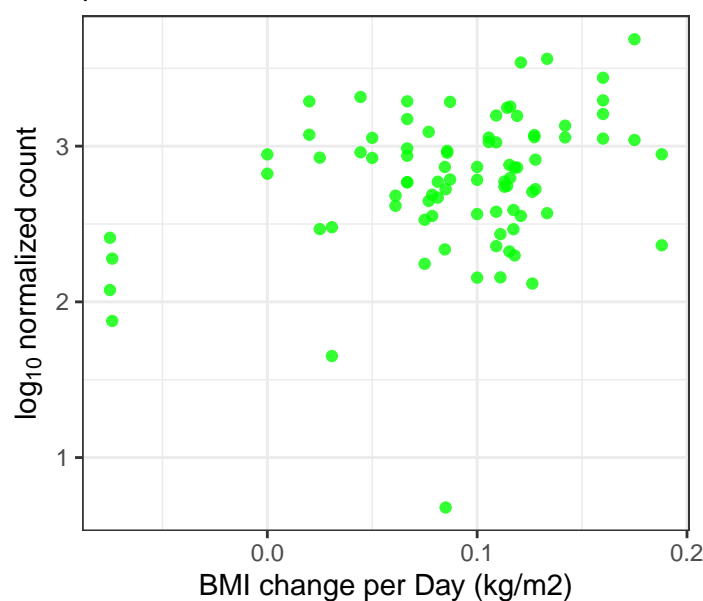
Serratia

p = 0.0577



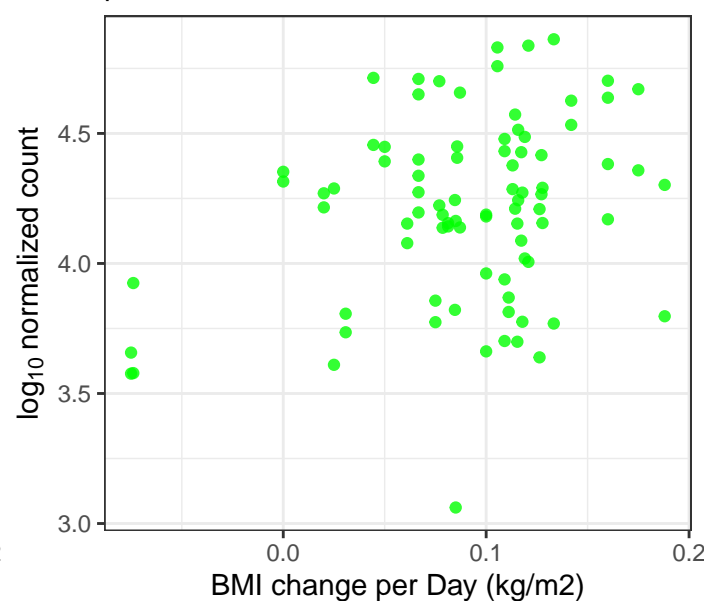
Thermus

p = 0.0577



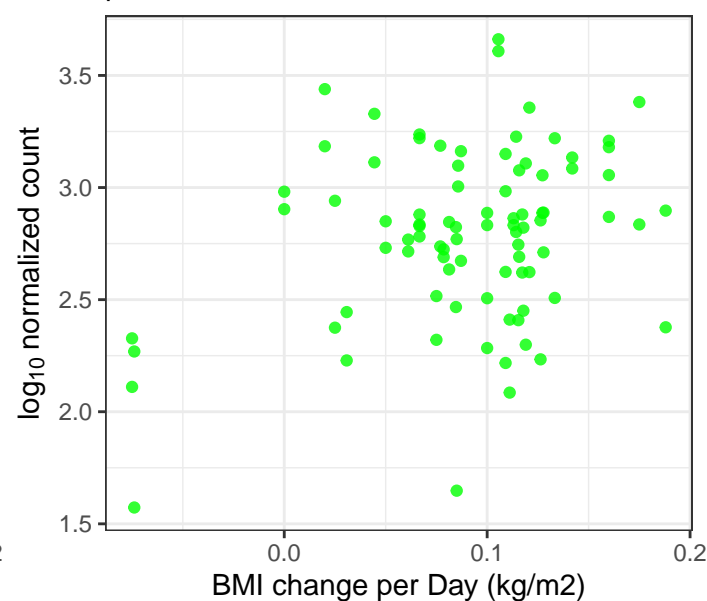
Unclassified Proteobacteria Phylum

p = 0.0577



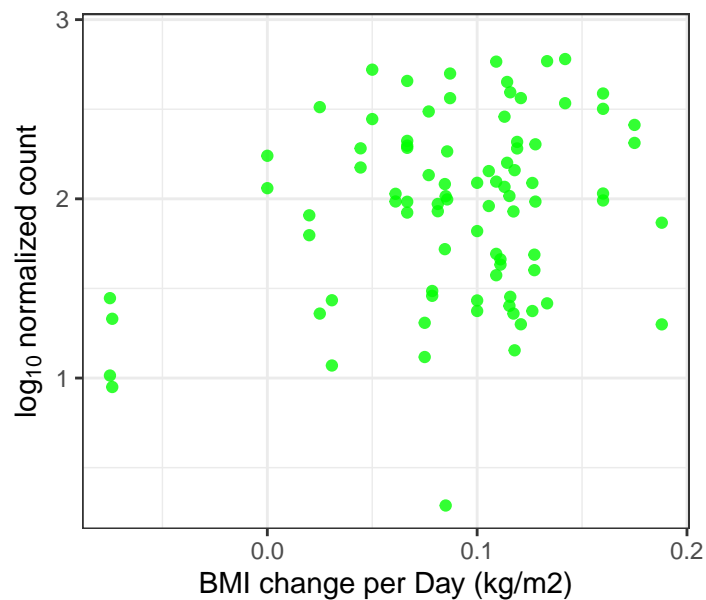
Pelobacter

p = 0.0582



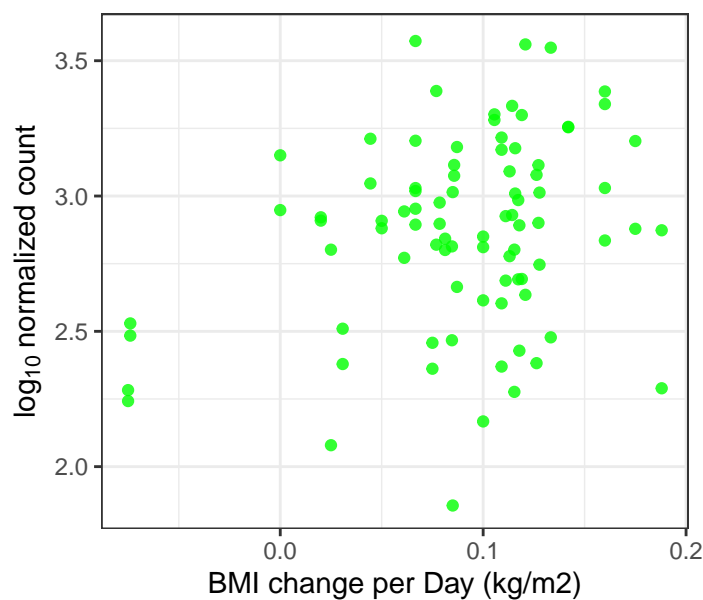
Pimelobacter

p = 0.0582



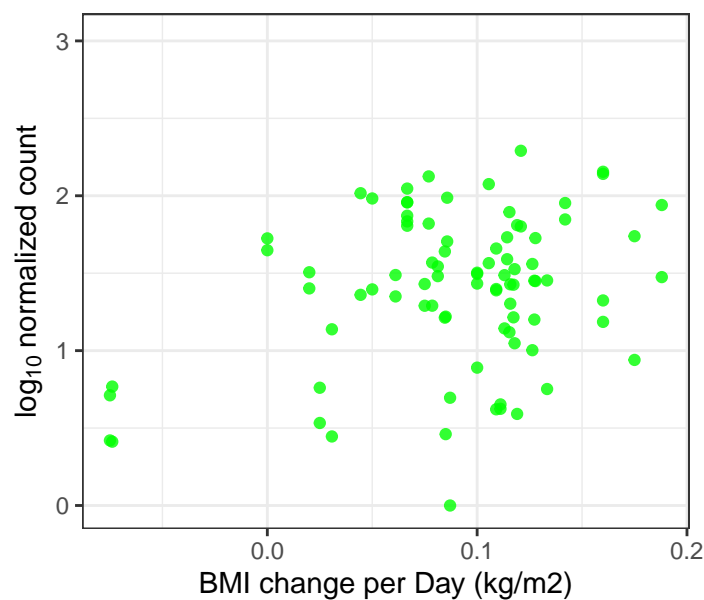
Pseudodesulfovibrio

p = 0.0582



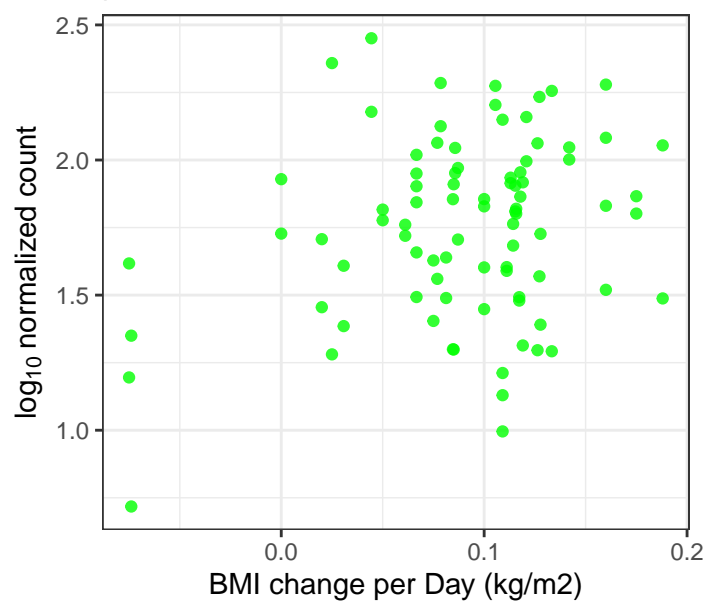
Unclassified Synergistaceae Family

p = 0.0582



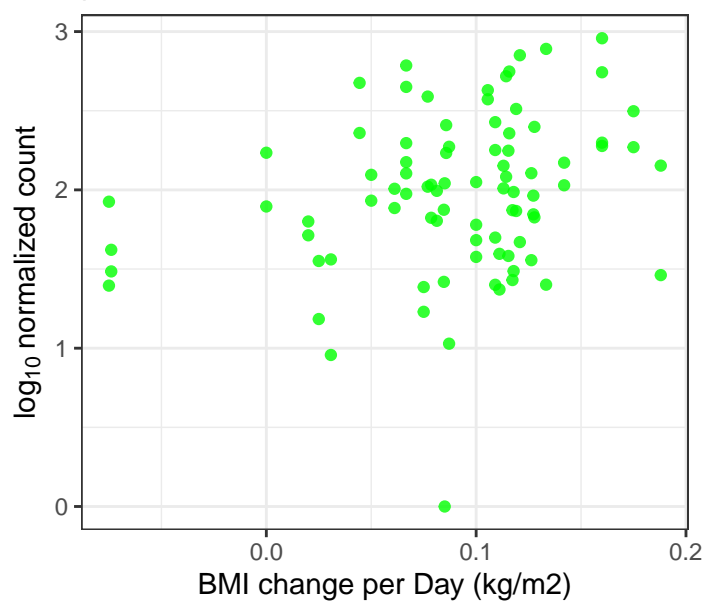
Leminorella

p = 0.0582



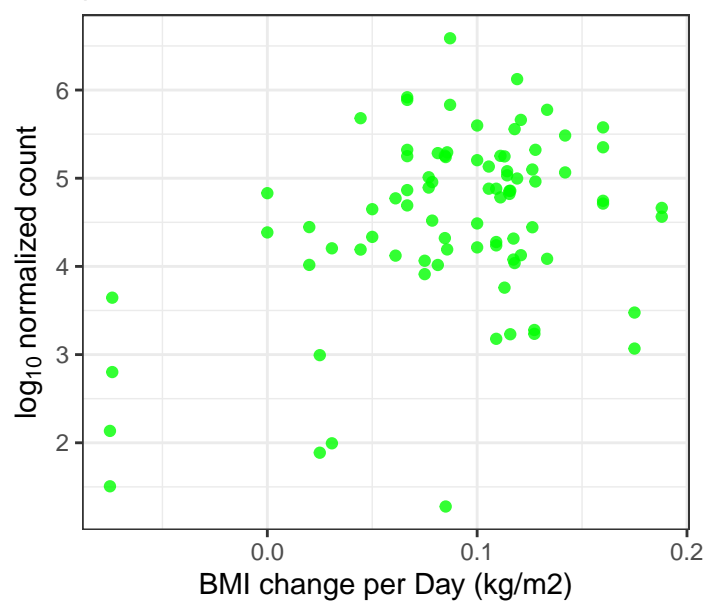
Unclassified Myxococcaceae Family

p = 0.0582



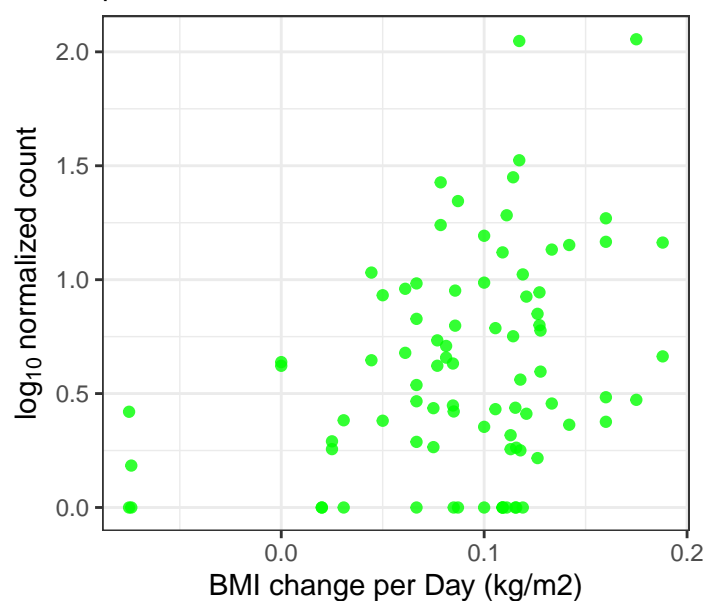
Gordonibacter

p = 0.0584



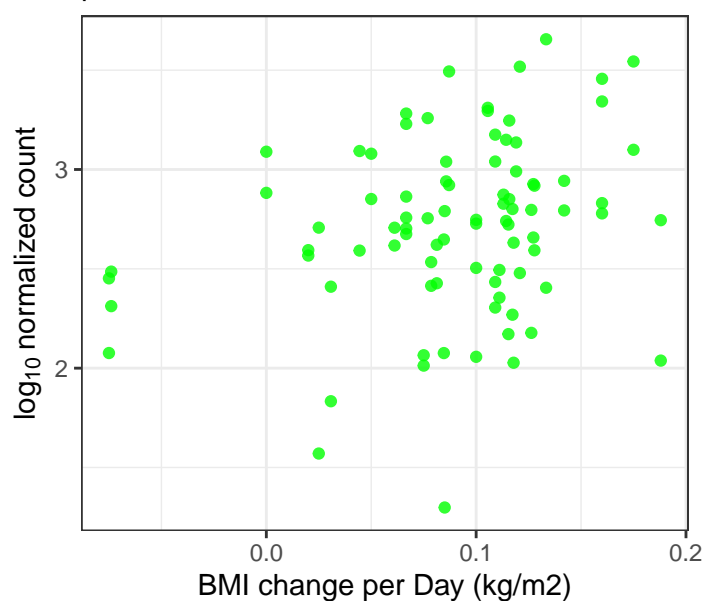
Unclassified Aquificales Order

p = 0.0584



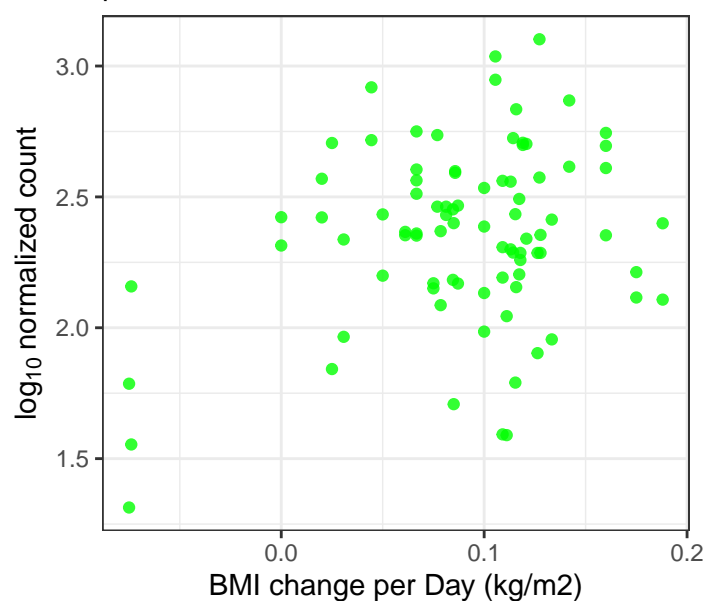
Brachybacterium

p = 0.0586



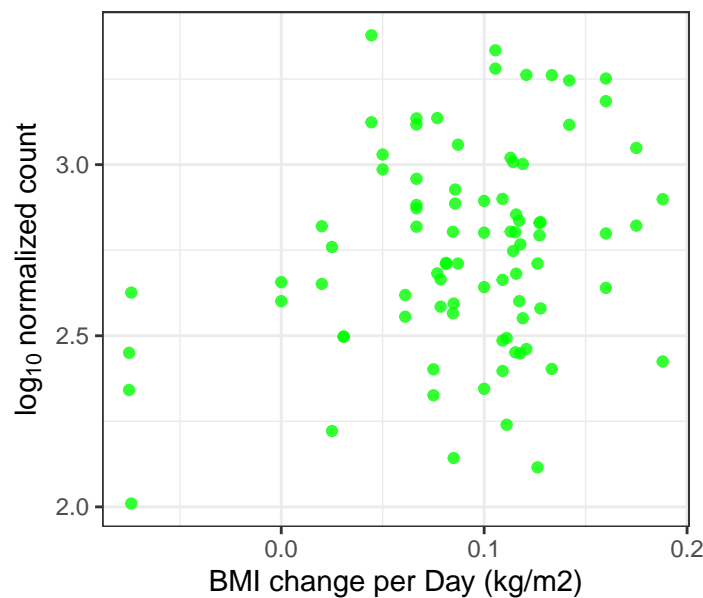
Rufibacter

p = 0.0588



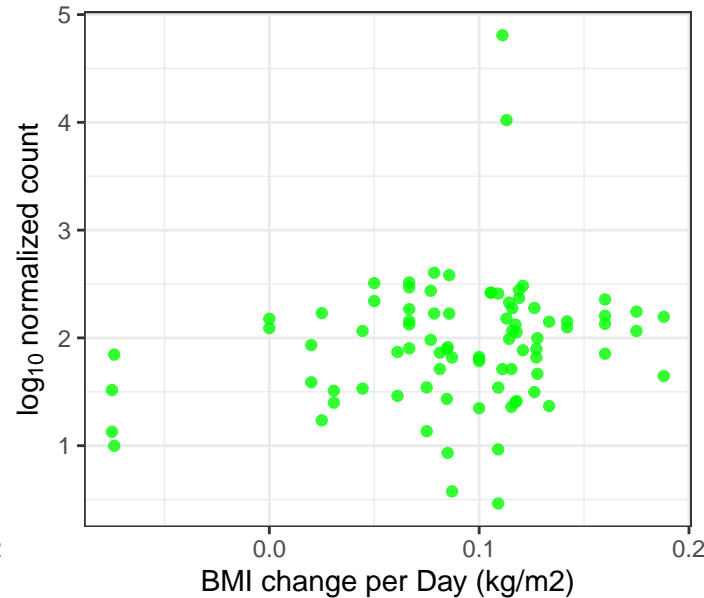
Microbulbifer

$p = 0.0589$



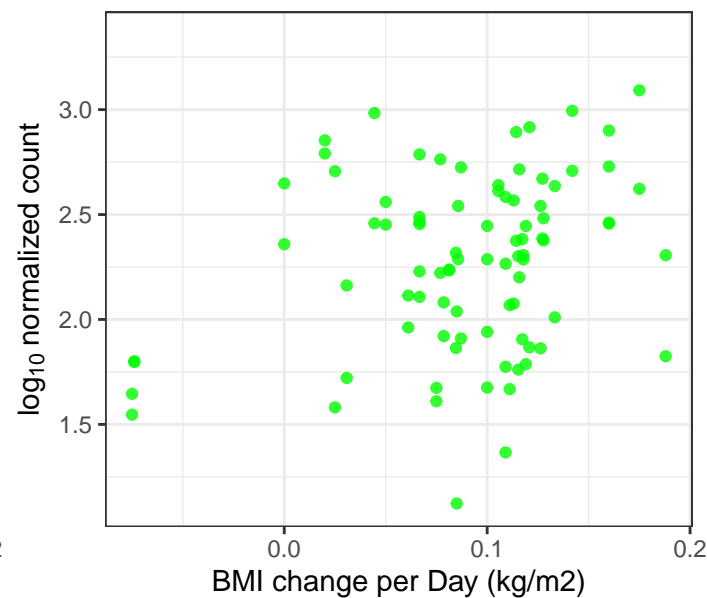
Actinotignum

$p = 0.0592$



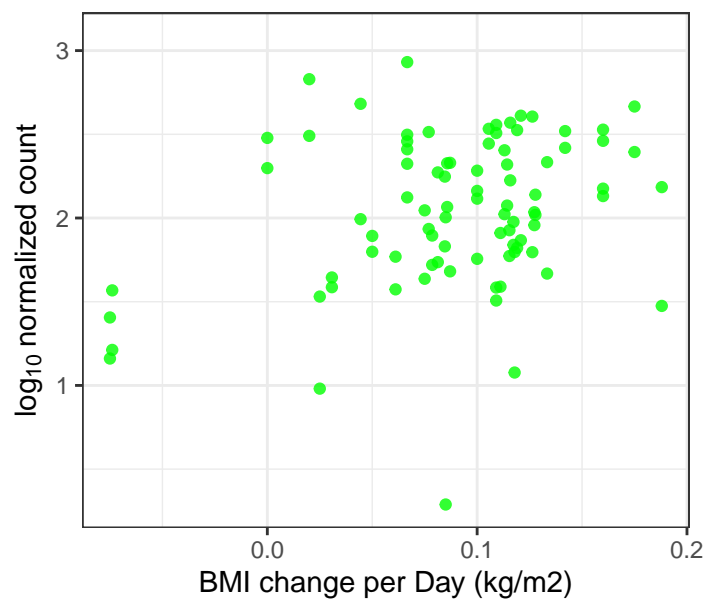
Stigmatella

$p = 0.0592$



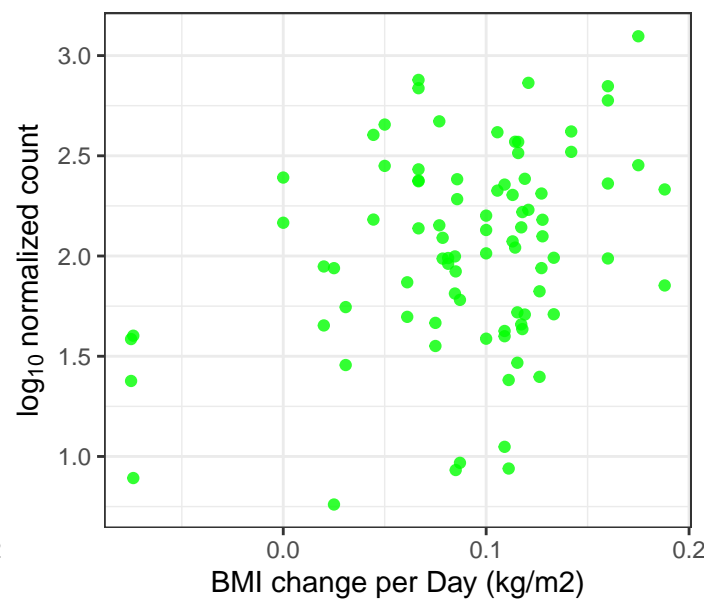
Ruania

$p = 0.0593$



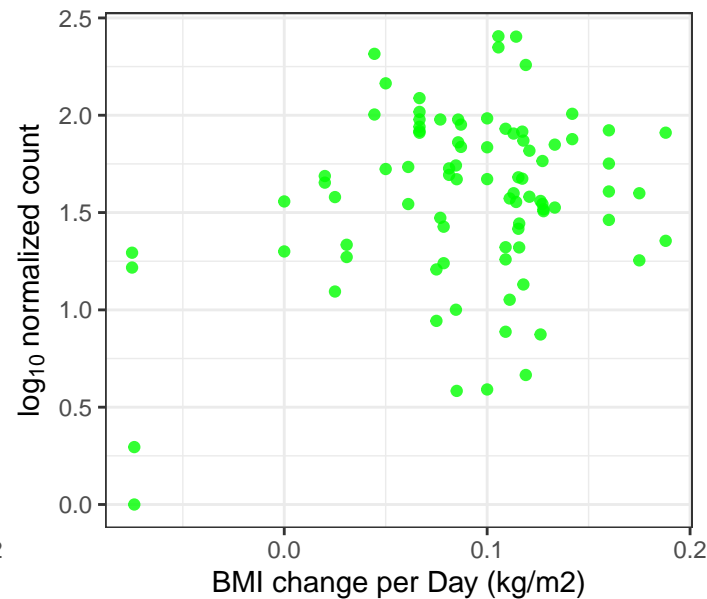
Sphaerotilus

$p = 0.0598$



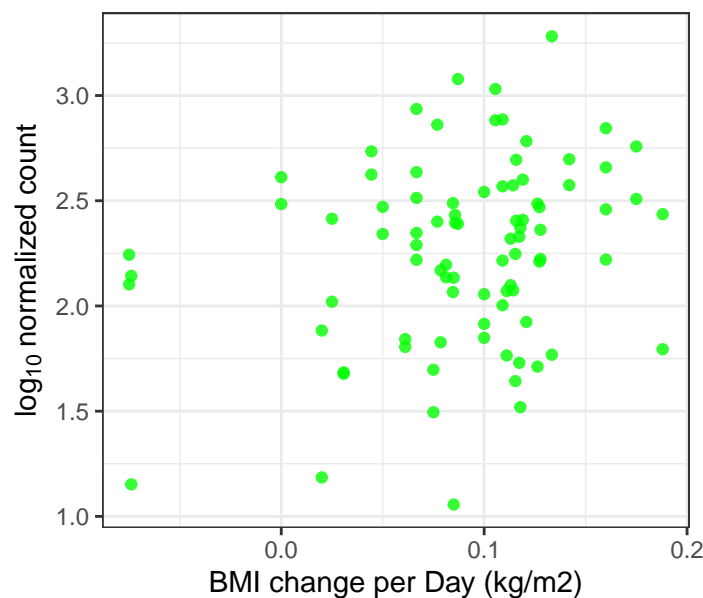
Gloeomargarita

$p = 0.0608$



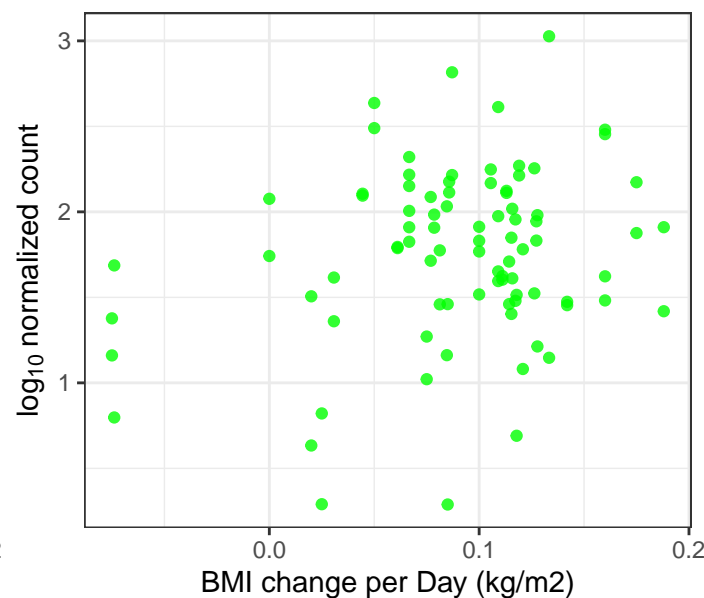
Alienimonas

$p = 0.0615$



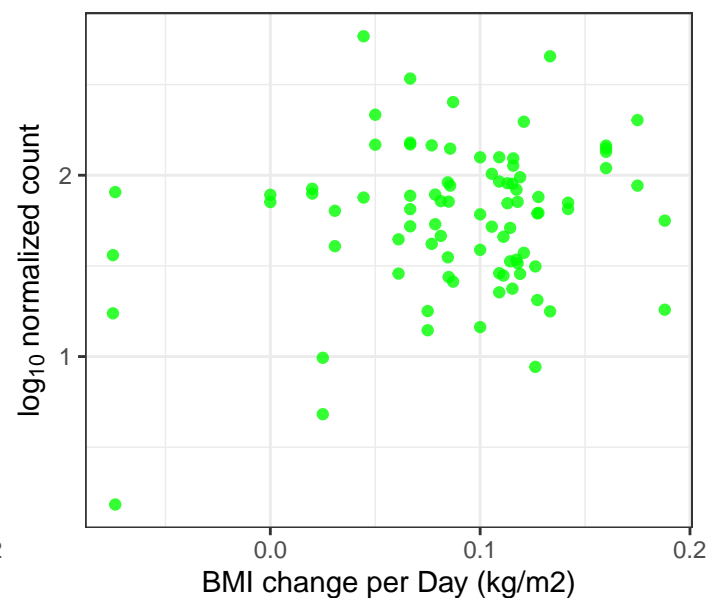
Halomicrobium

$p = 0.0615$



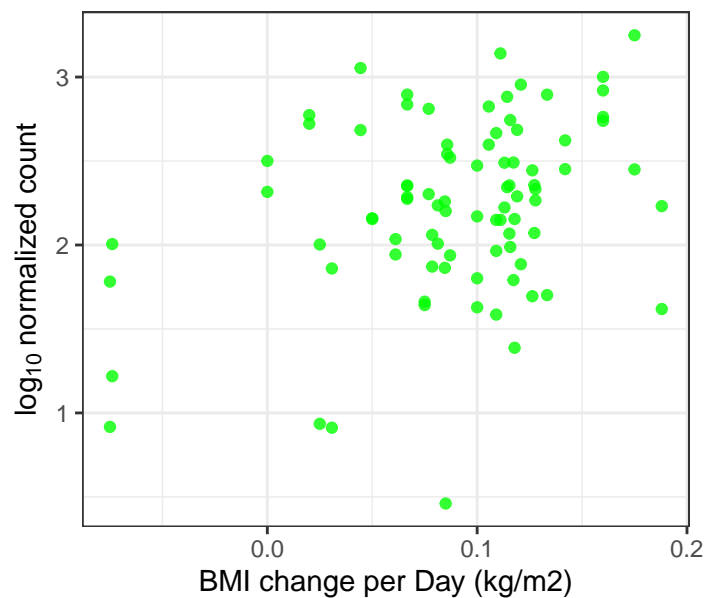
Sulfuricella

$p = 0.0615$



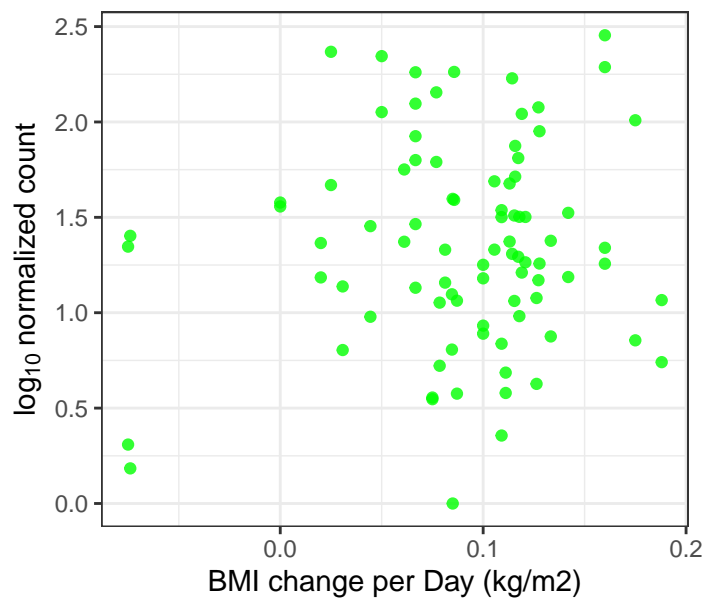
Phenylobacterium

p = 0.0619



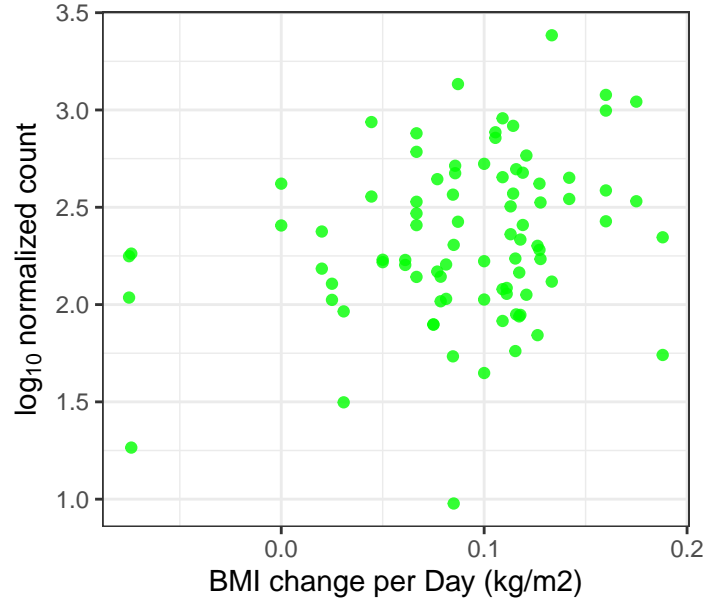
Salarchaeum

p = 0.062



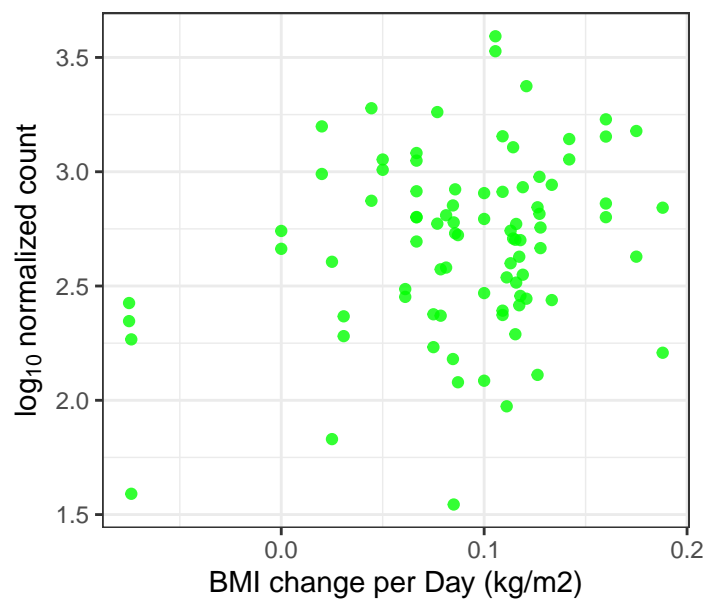
Azotobacter

p = 0.0622



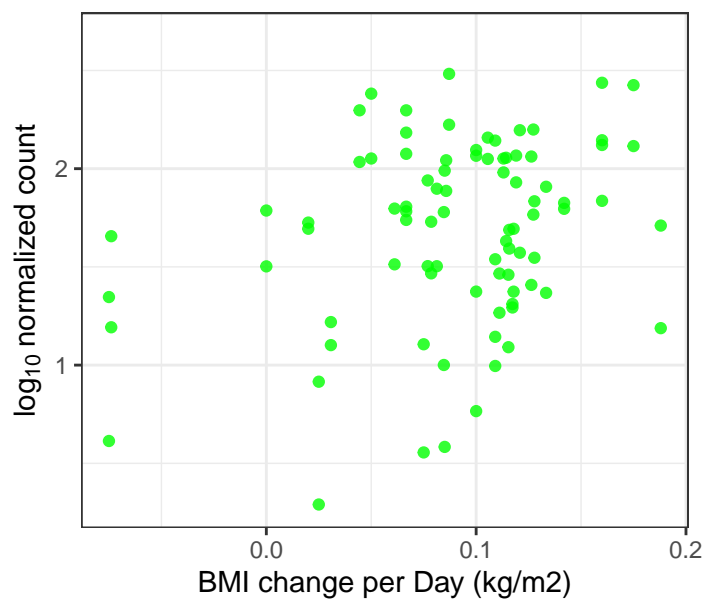
Moorella

p = 0.0622



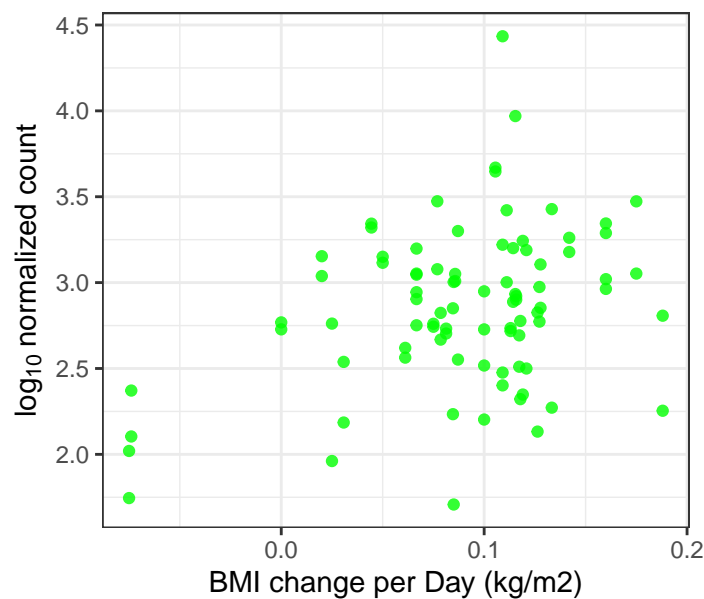
Pseudactinotalea

p = 0.0622



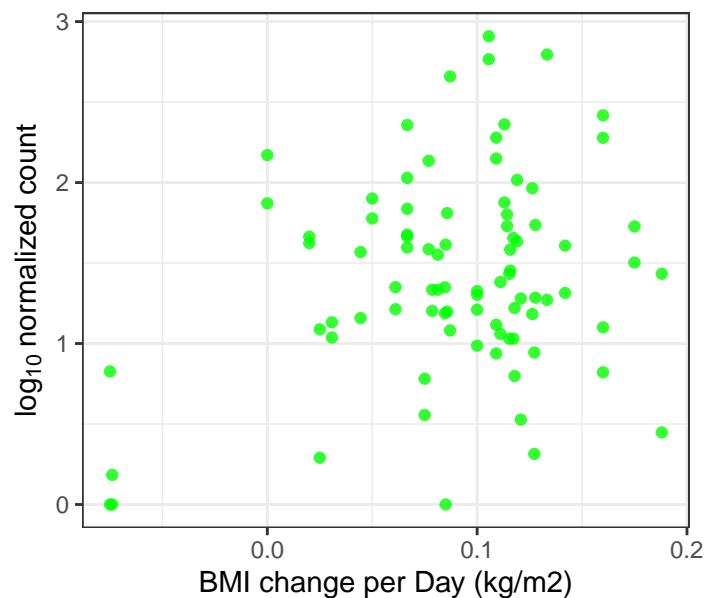
Cloacibacillus

p = 0.0626



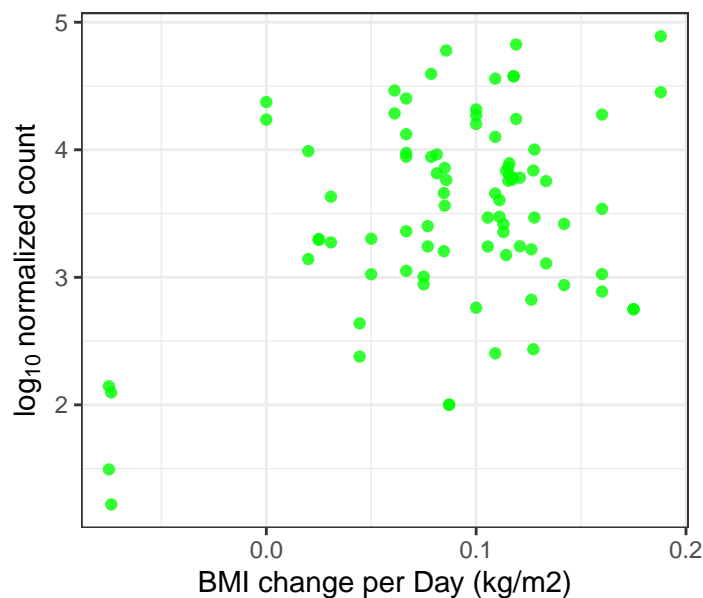
Halalkalicoccus

p = 0.0626



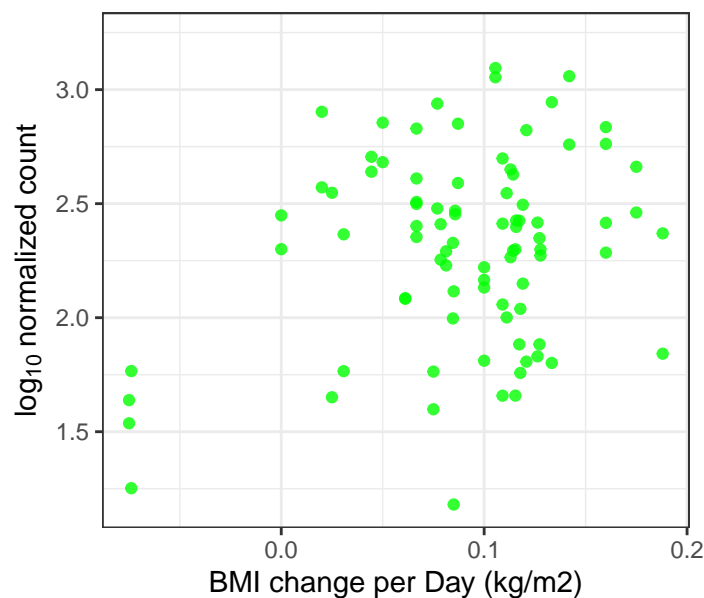
Paraprevotella

p = 0.0626



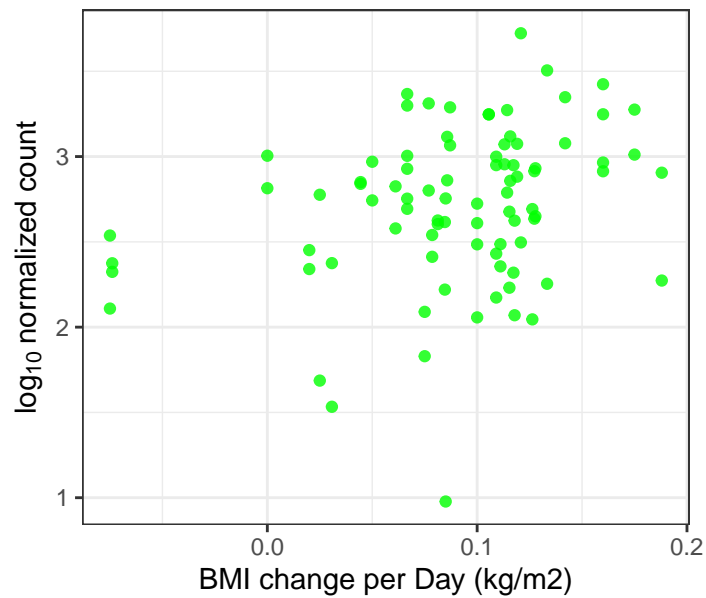
Dermabacter

p = 0.0635



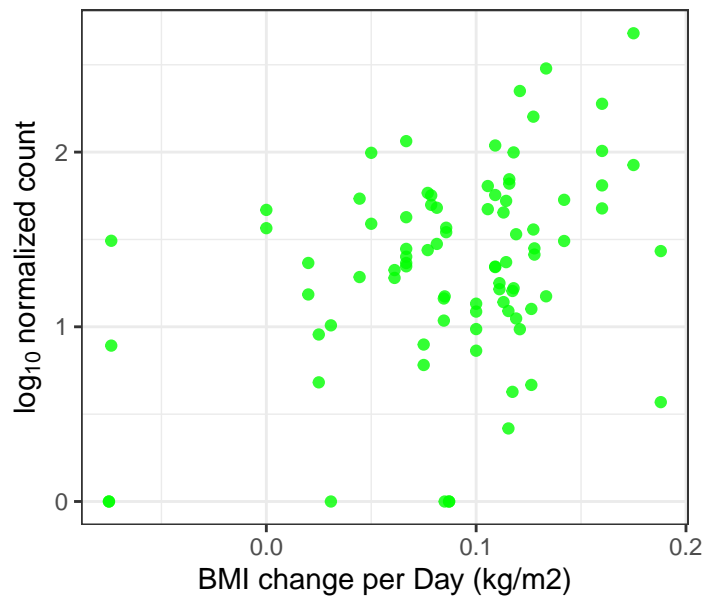
Kocuria

p = 0.0635



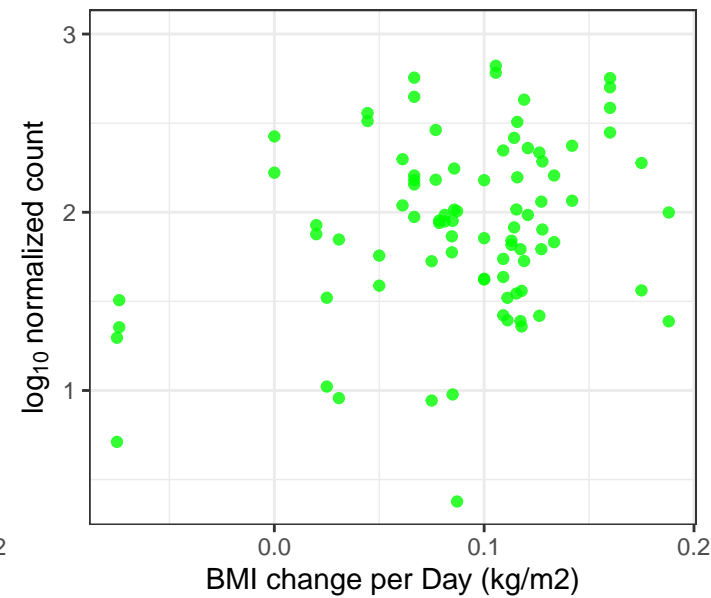
Unclassified Aeromonadaceae Family

p = 0.064



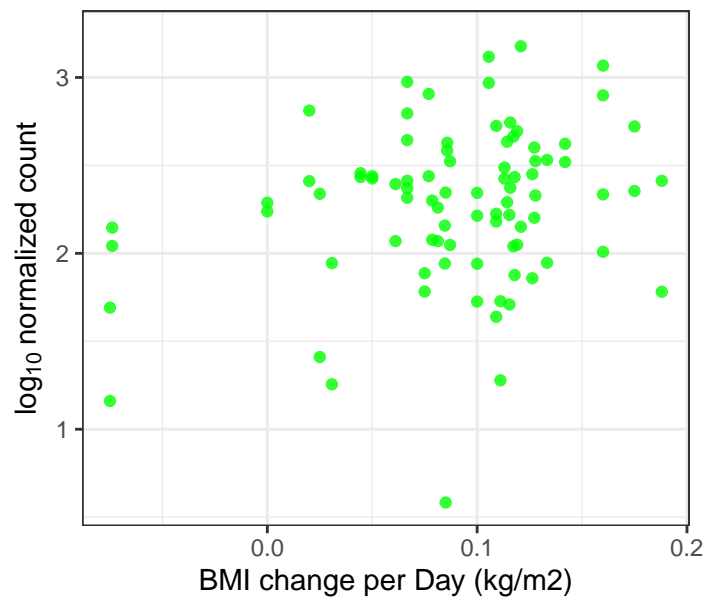
Ereboglobus

p = 0.0643



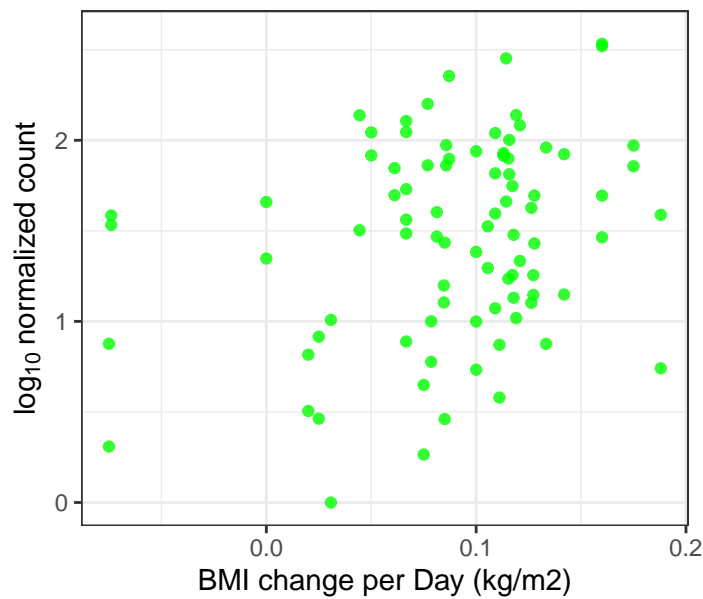
Ramlibacter

p = 0.0643



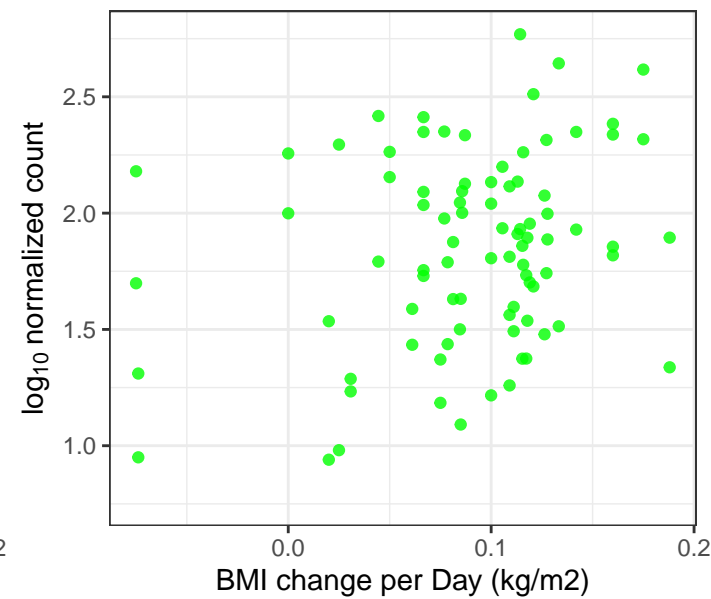
Unclassified Halobacteriales Order

p = 0.0643



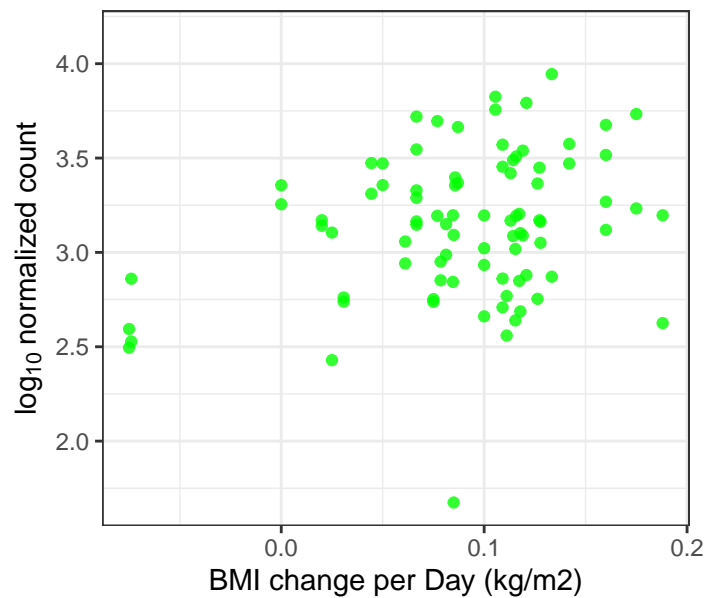
Unclassified Frankiales Order

p = 0.0652



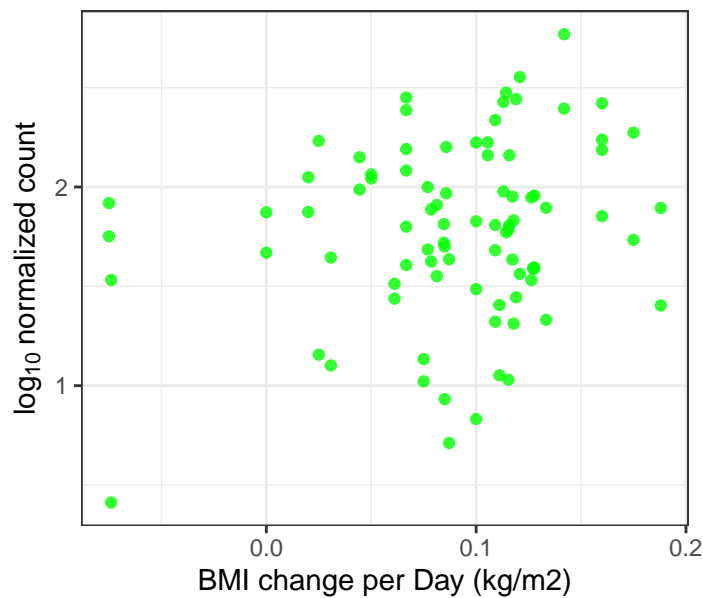
Xanthomonas

p = 0.0661



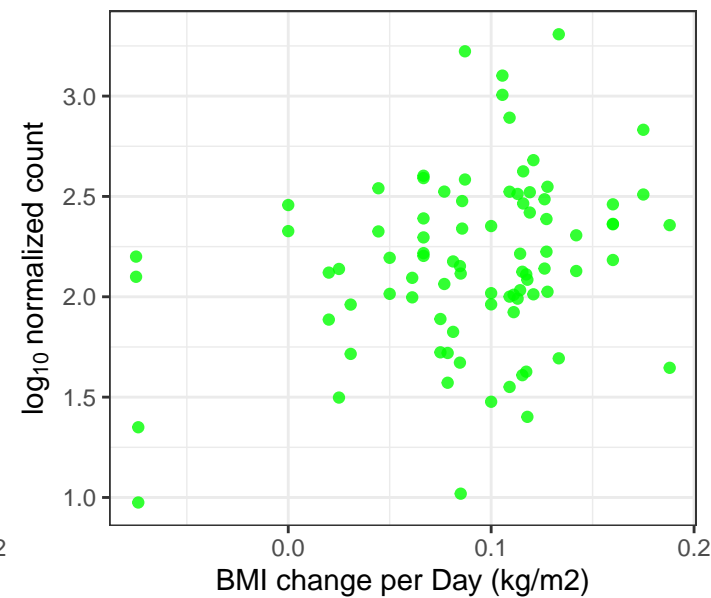
Aquabacterium

p = 0.0668



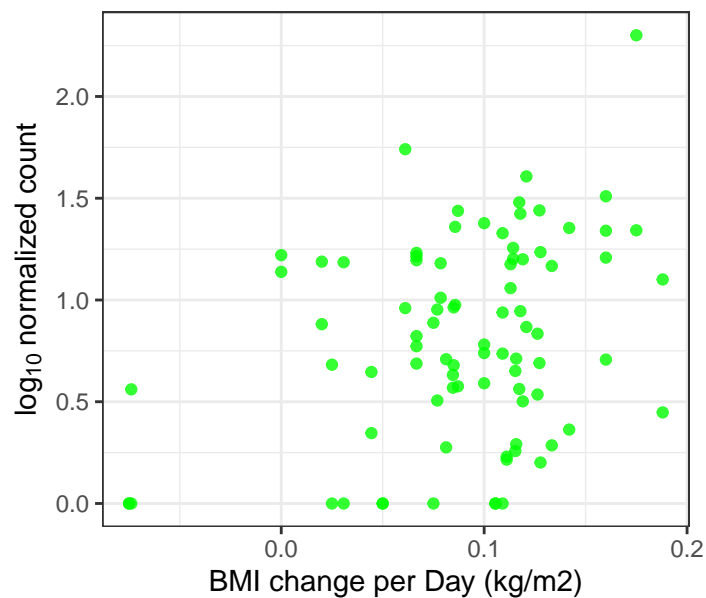
Natrinema

p = 0.0668



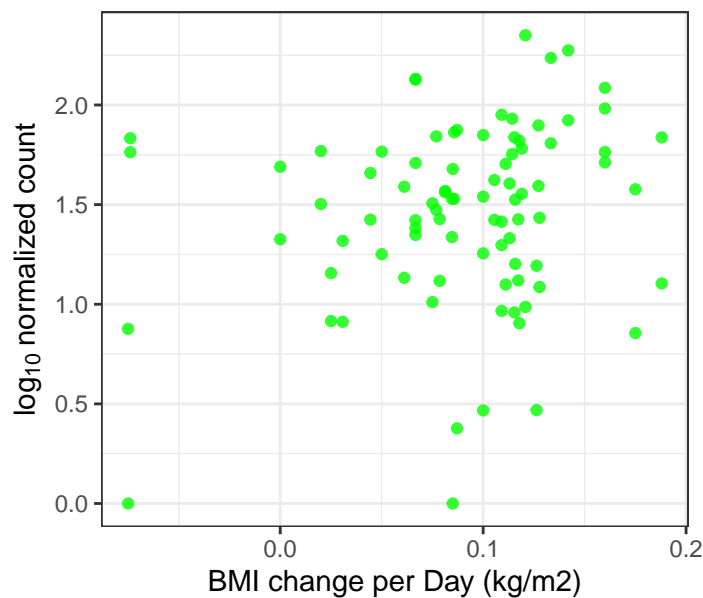
Thermogladius

p = 0.0668



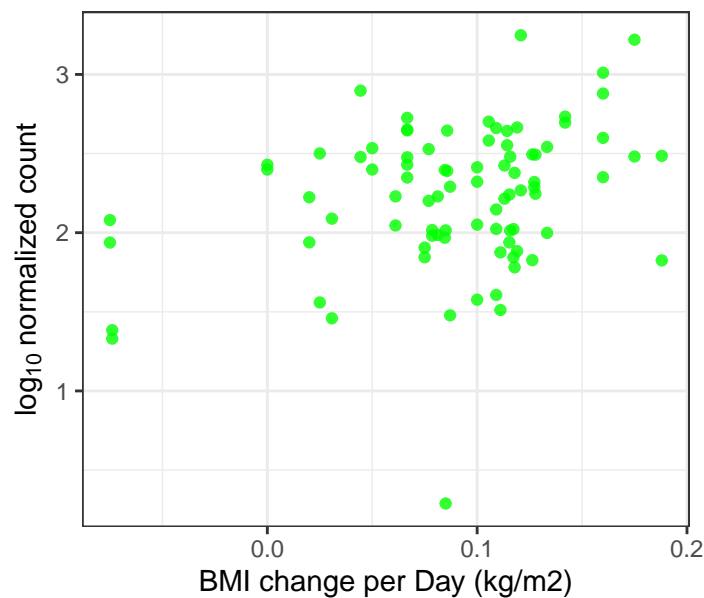
Congregibacter

p = 0.0669



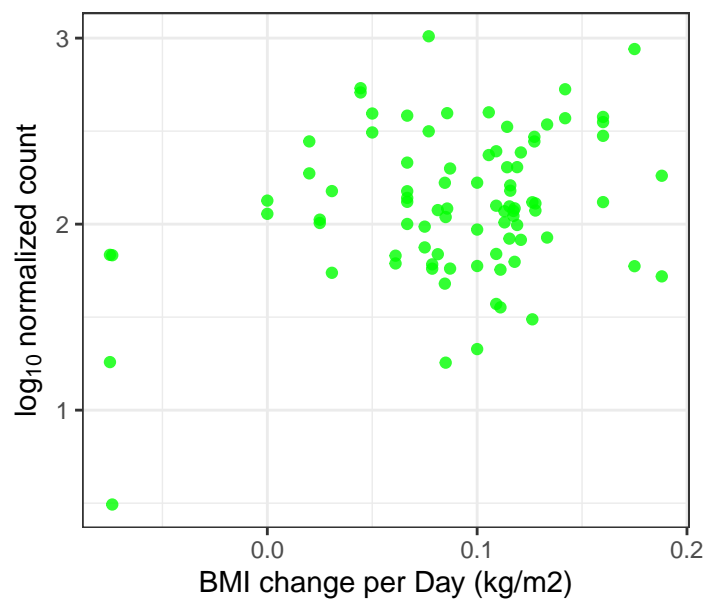
Meiothermus

p = 0.067



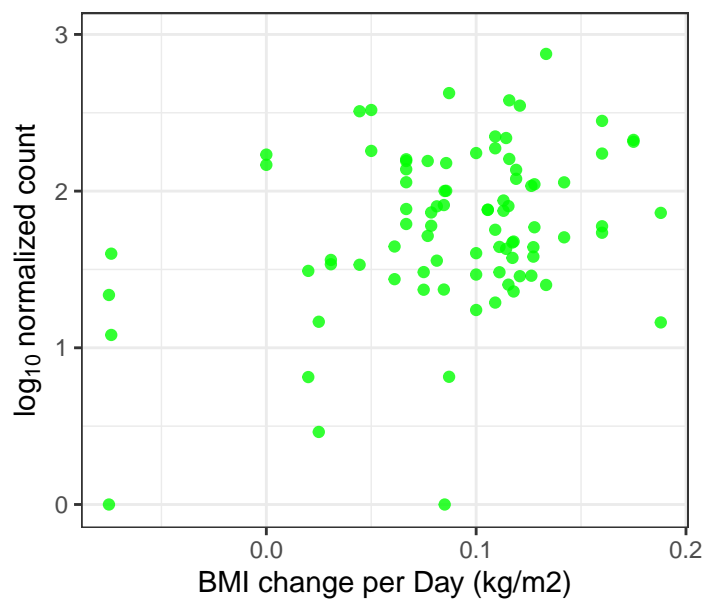
Desulfobacterium

p = 0.0675



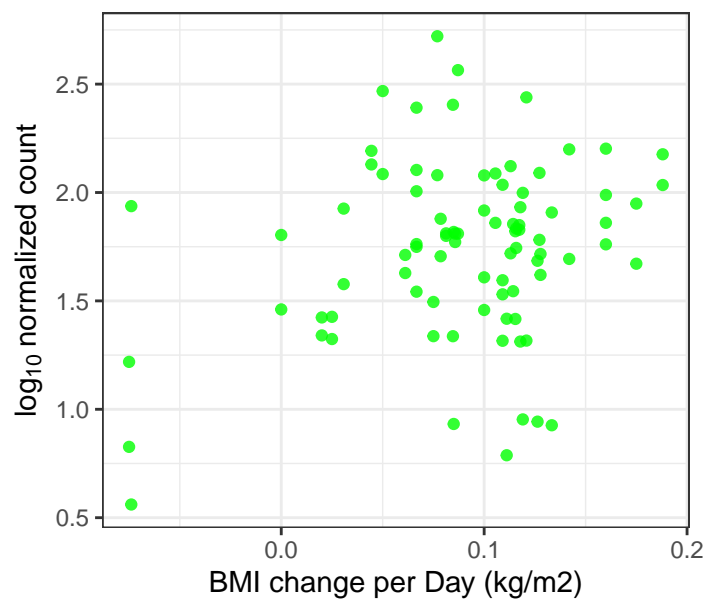
Jeongeupia

p = 0.0675



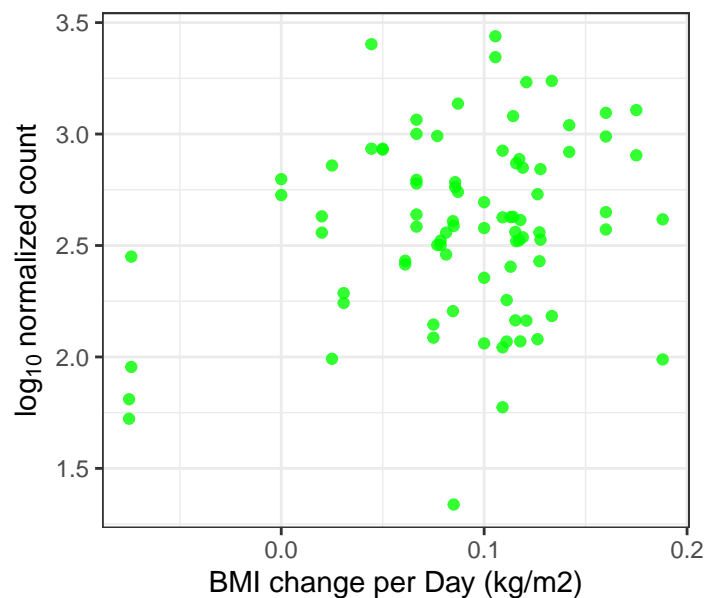
Pseudovibrio

p = 0.0675



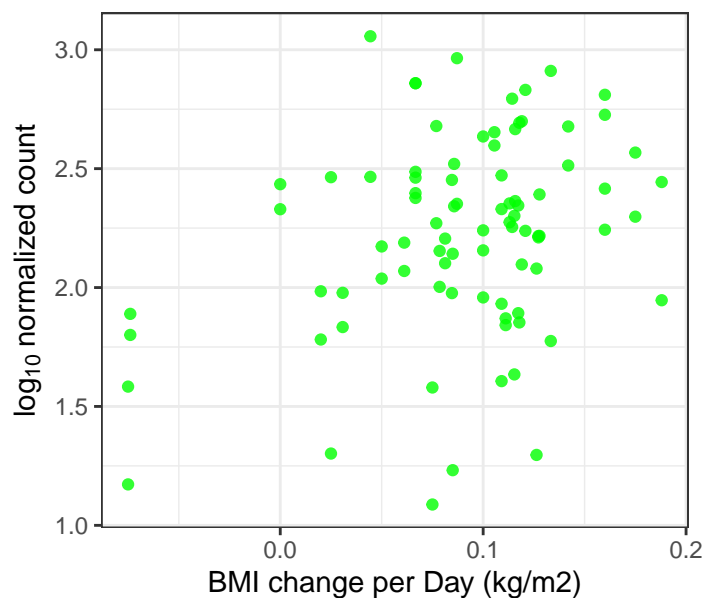
Roseovarius

p = 0.0682



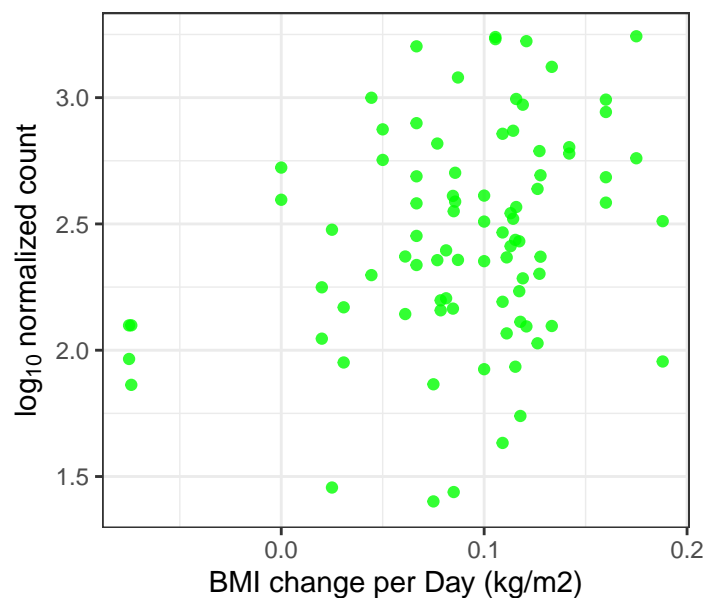
Gemmatimonas

p = 0.0682



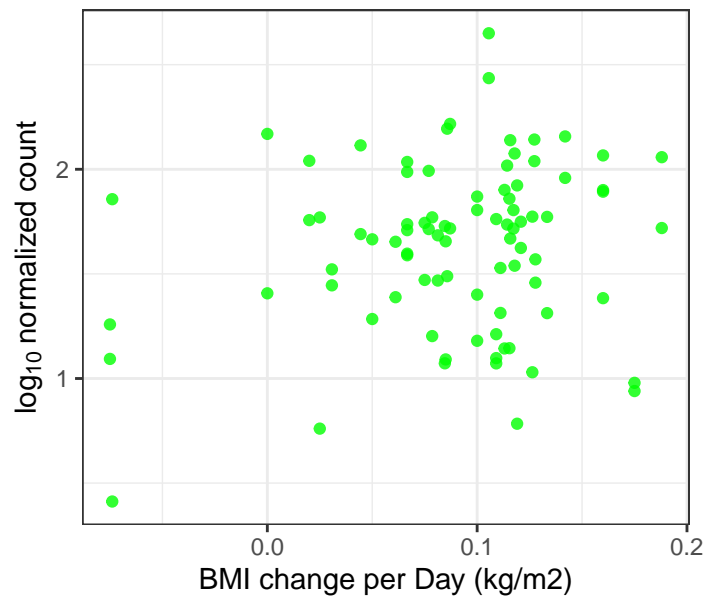
Saccharopolyspora

p = 0.0682



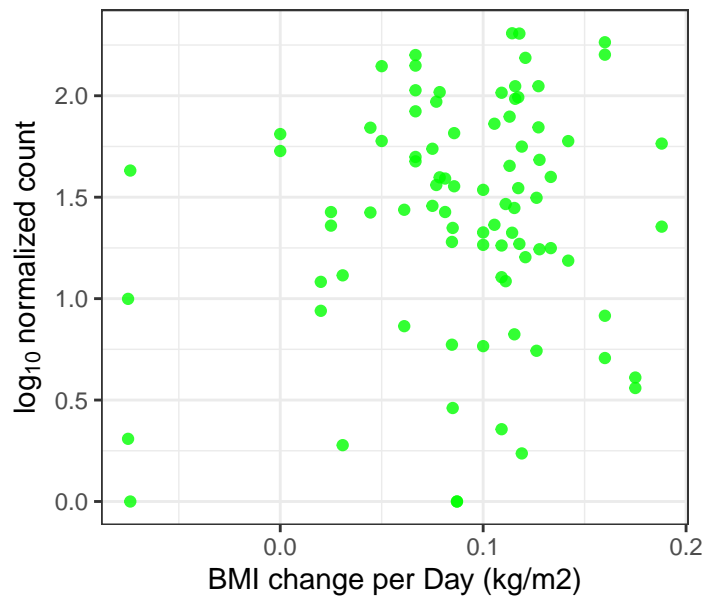
Iodobacter

p = 0.0684



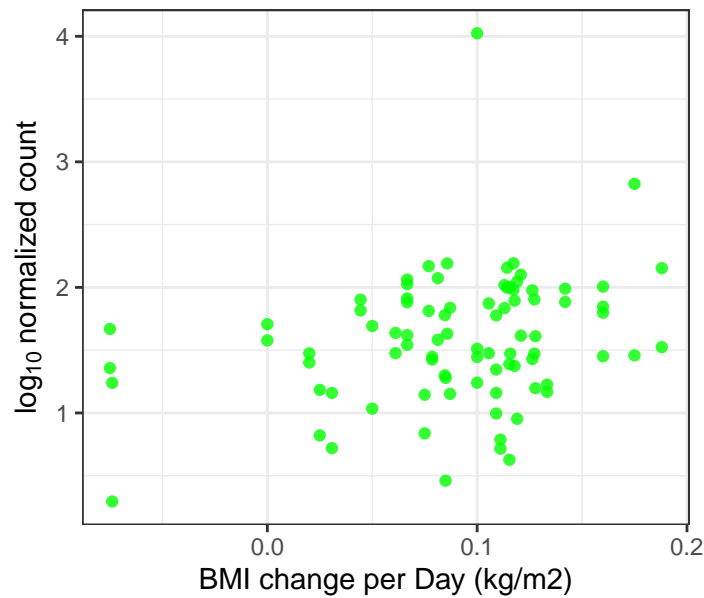
Unclassified Neisseriales Order

p = 0.0684



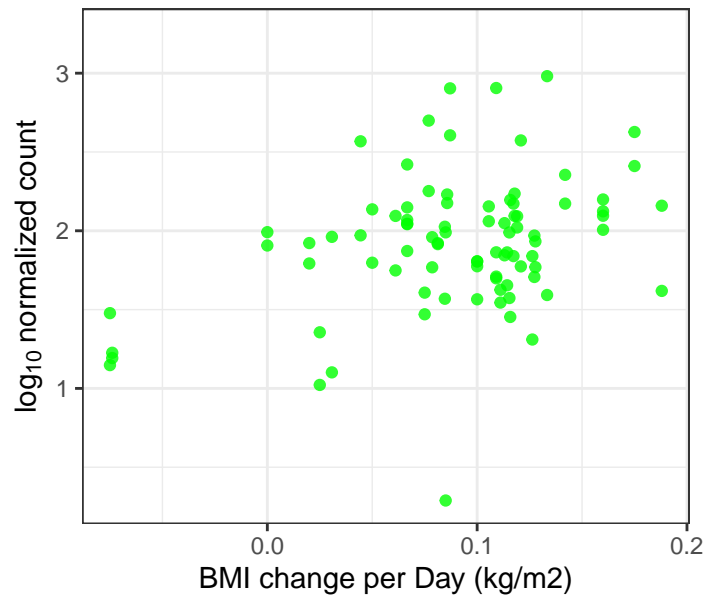
Malassezia

p = 0.0684



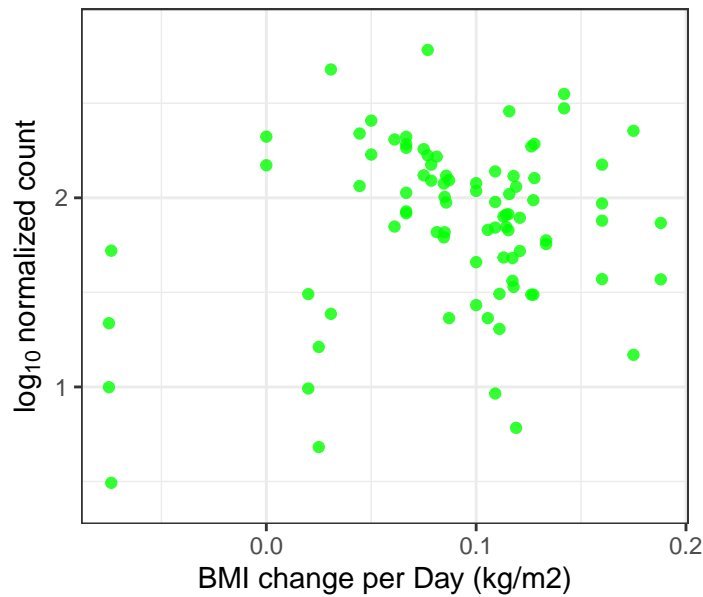
Steroidobacter

p = 0.0684



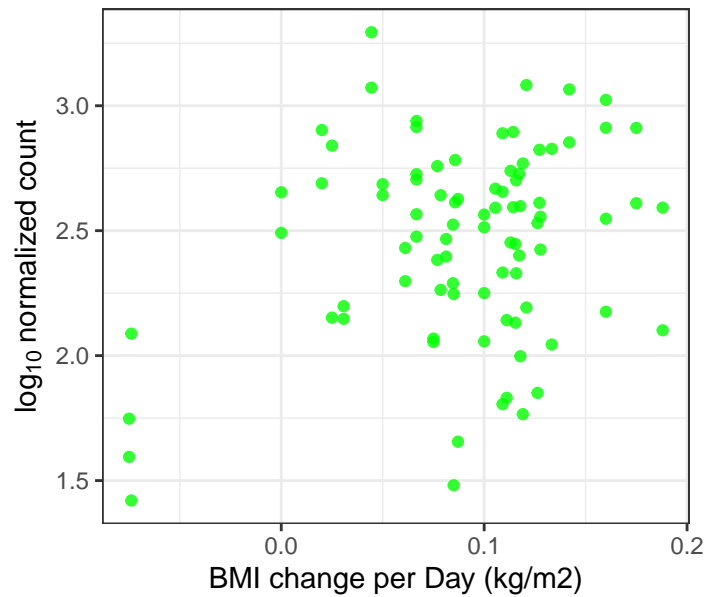
Reinekea

p = 0.0686



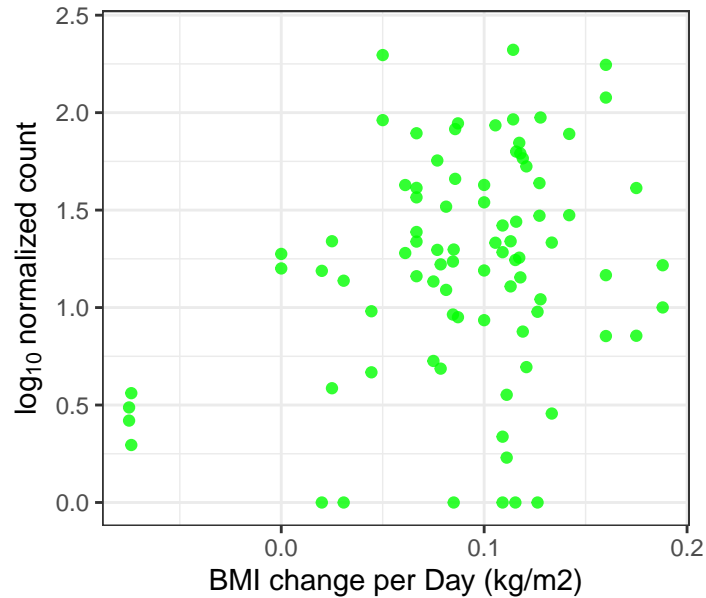
Aquitalea

p = 0.0688



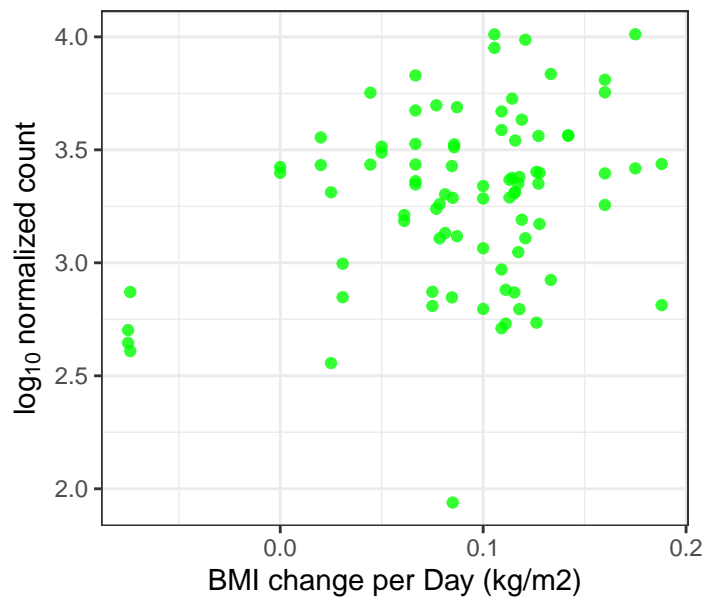
Cnuibacter

p = 0.0688



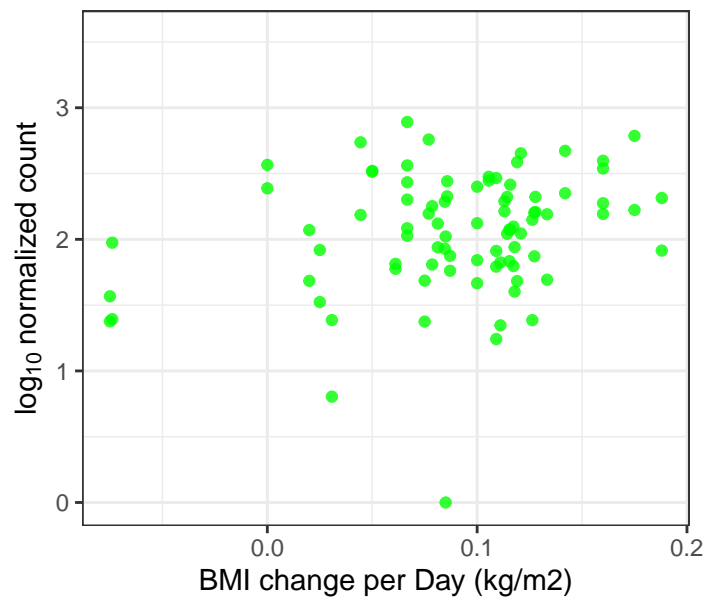
Geobacter

p = 0.0688



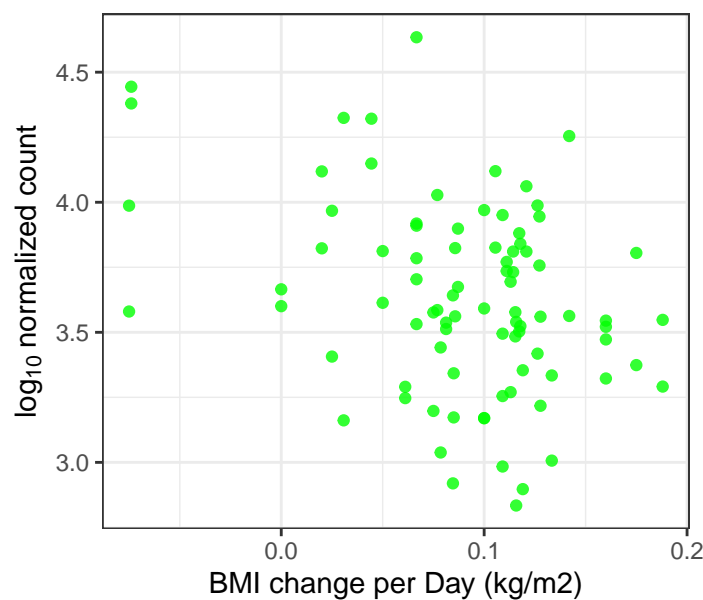
Vulgatibacter

p = 0.0688



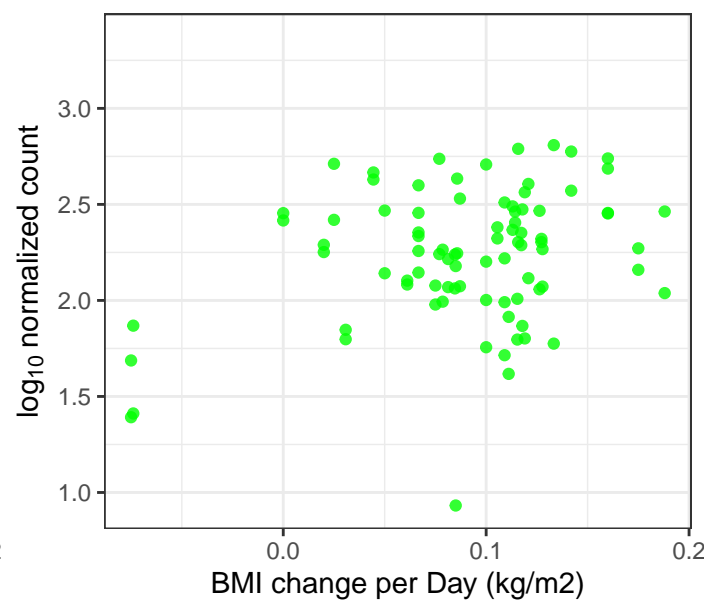
Unclassified Lactobacillales Order

p = 0.0689



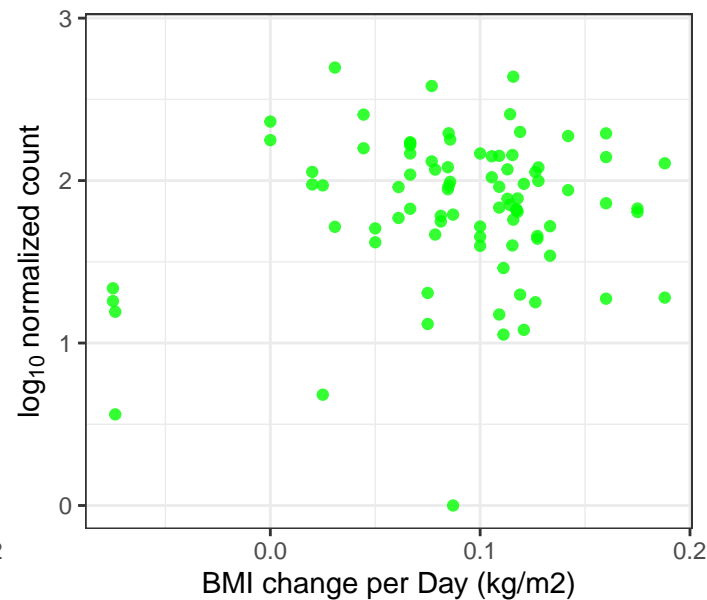
Granulibacter

p = 0.069



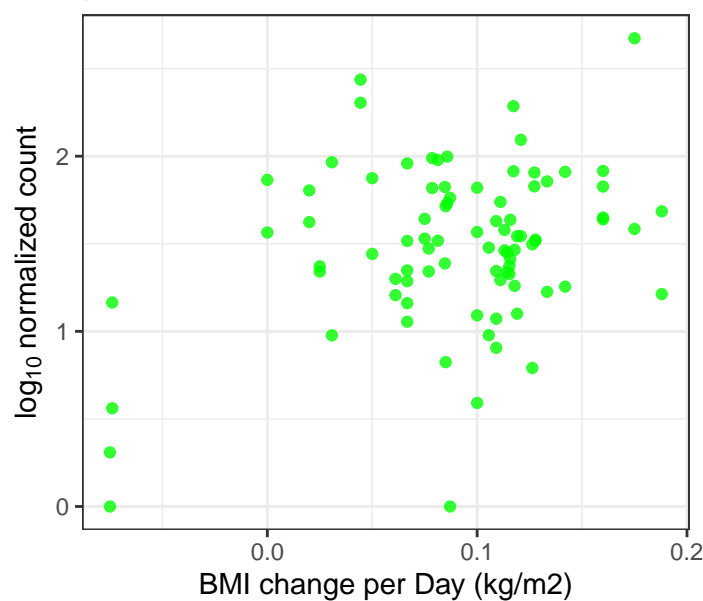
Robiginitalea

p = 0.0691



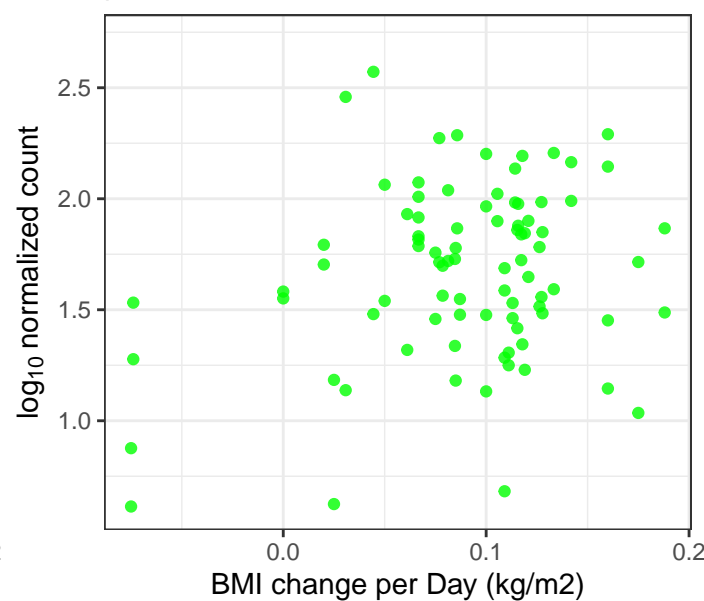
Haematospirillum

p = 0.0692



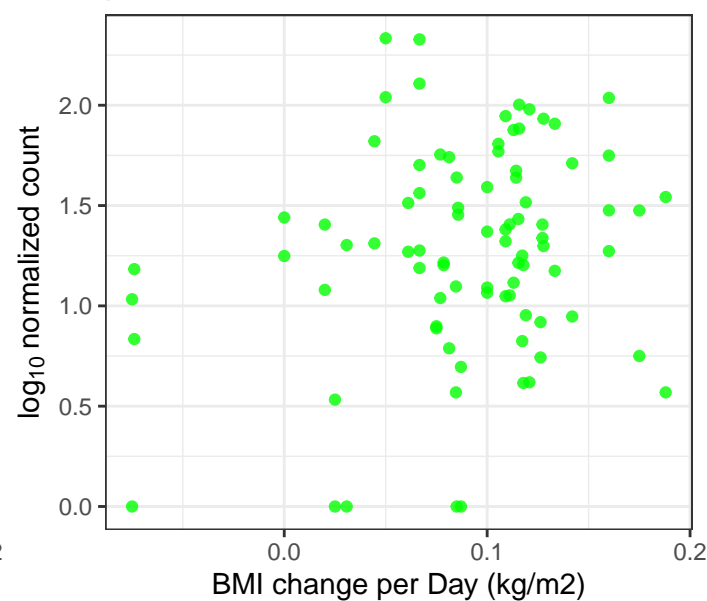
Oxynema

p = 0.0692



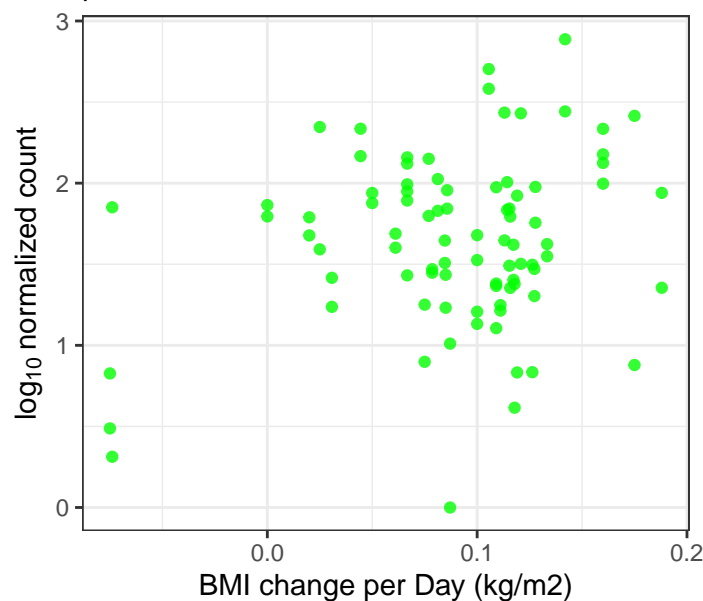
Unclassified Deinococci Class

p = 0.0692



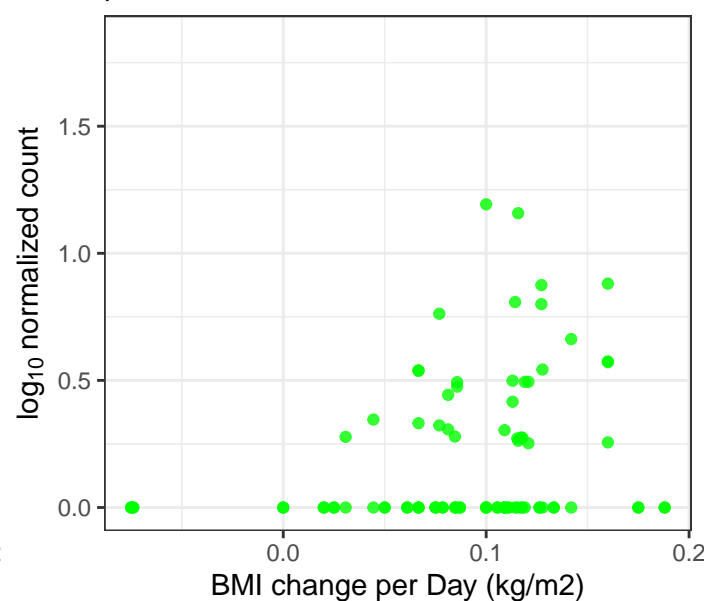
Gallaecimonas

p = 0.0697



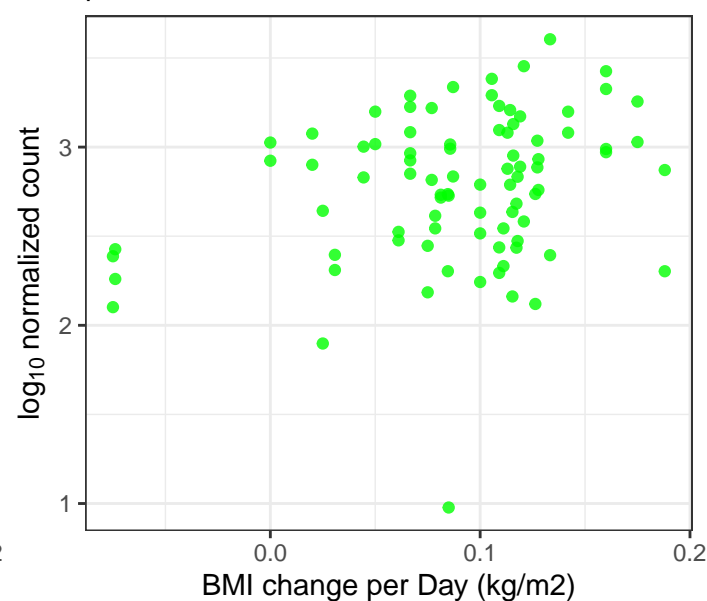
Unclassified Methanomicrobiales Order

p = 0.07



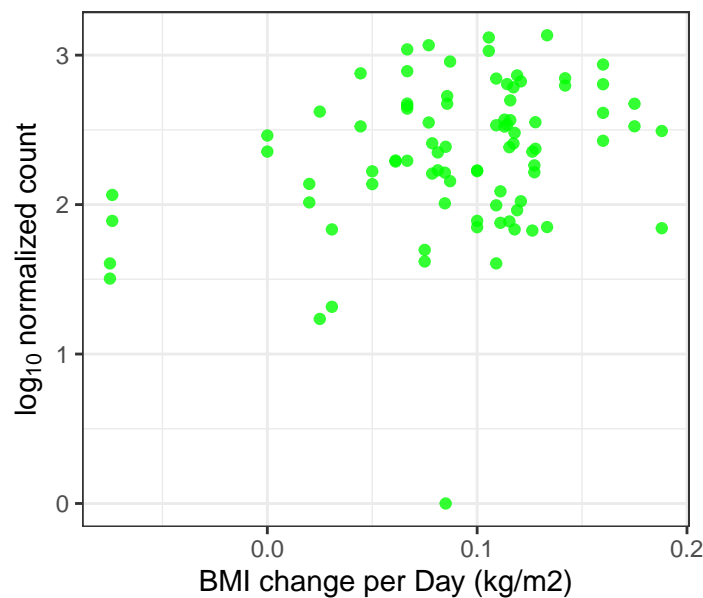
Unclassified Corynebacteriales Order

p = 0.0709



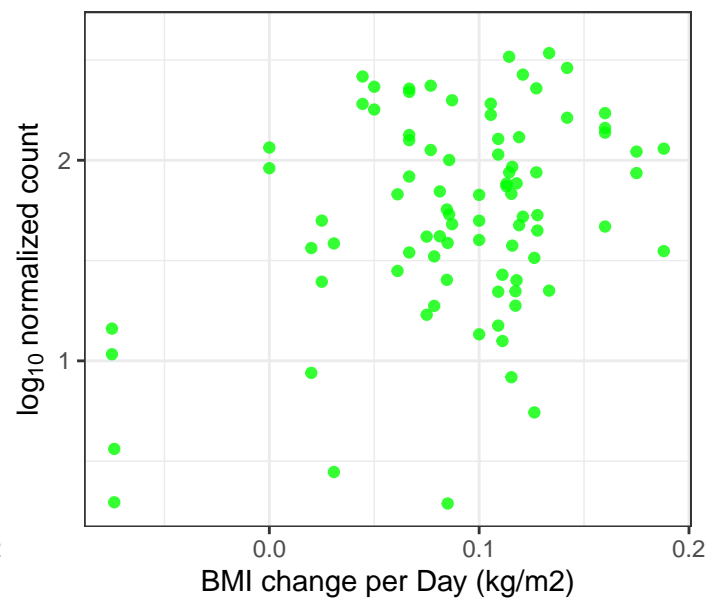
Unclassified Sphingomonadales Order

p = 0.0709



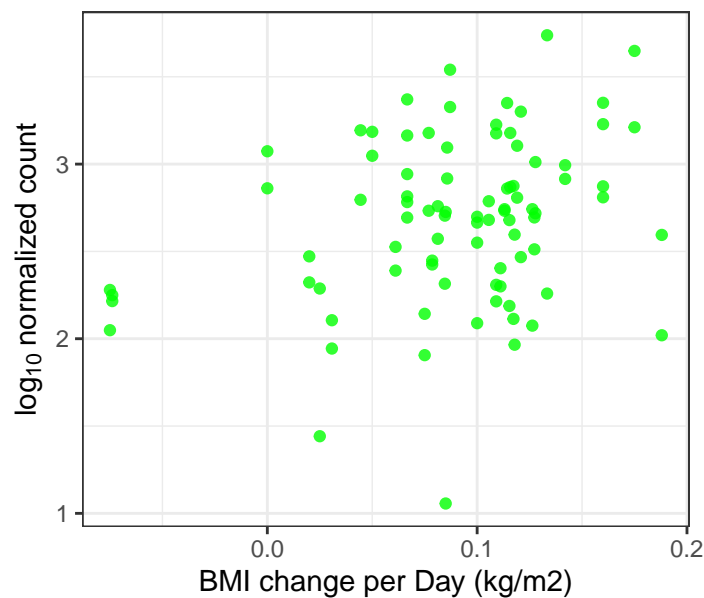
Sinimarinibacterium

p = 0.071



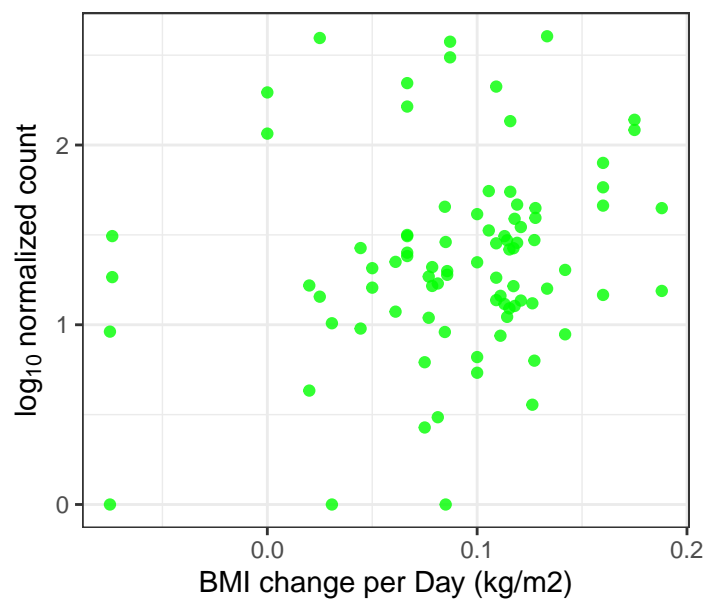
Anaeromyxobacter

p = 0.0717



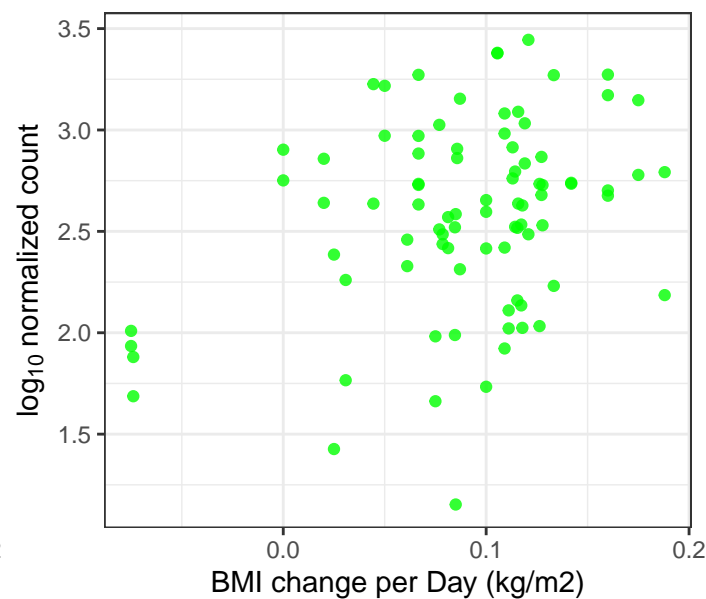
Halopenitus

p = 0.0717



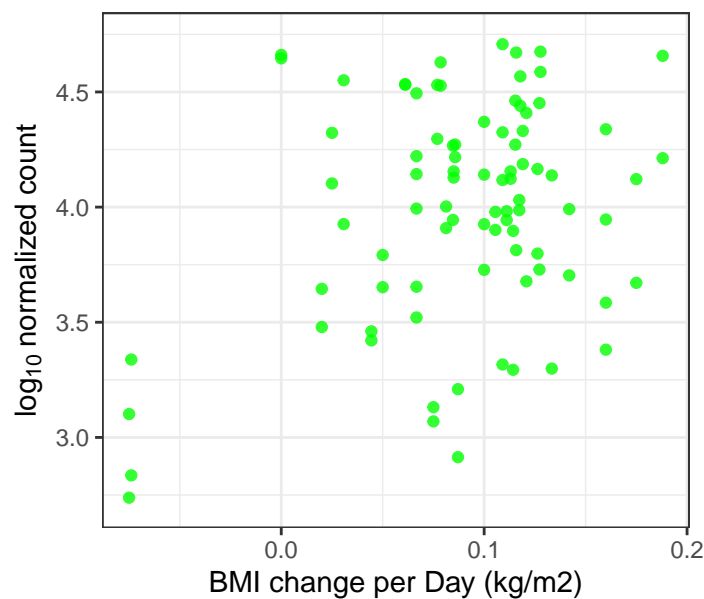
Kitasatospora

p = 0.0717



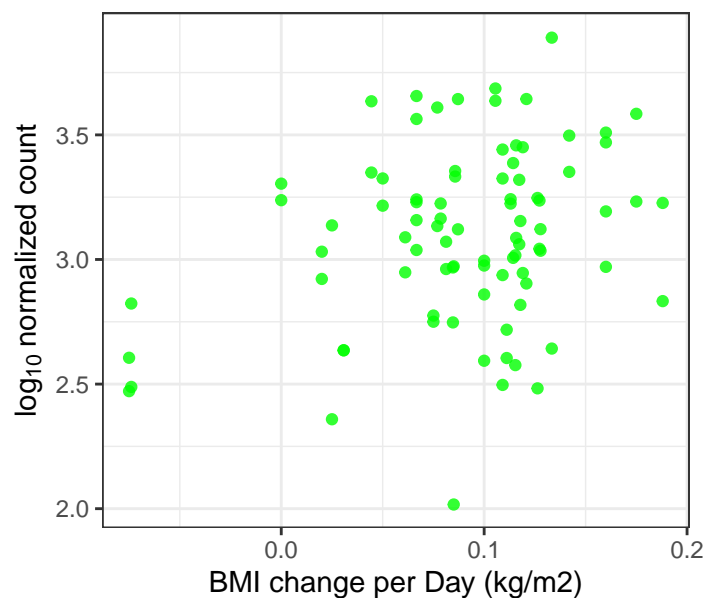
Unclassified Bacteroidetes Phylum

p = 0.0717



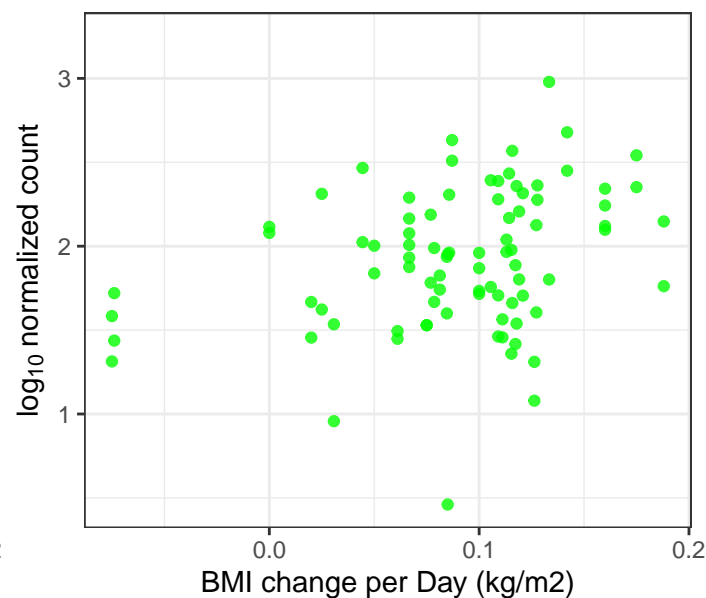
Unclassified Betaproteobacteria Class

p = 0.0717



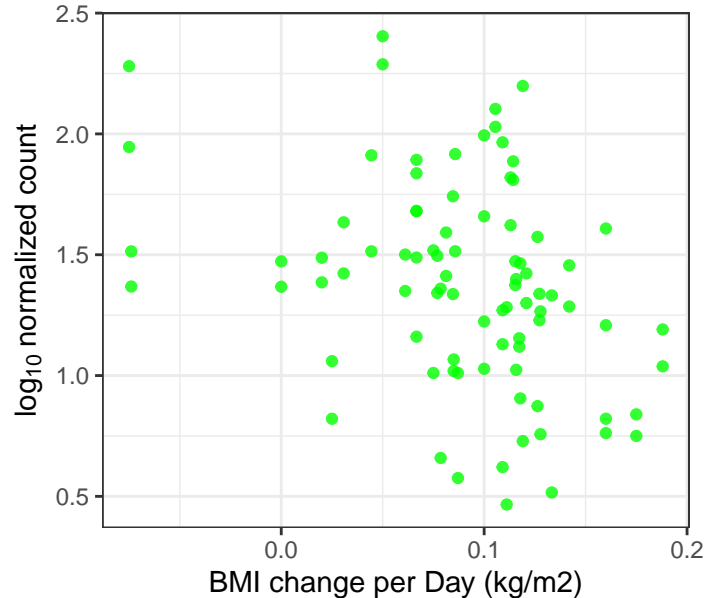
Verrucosipora

p = 0.0719



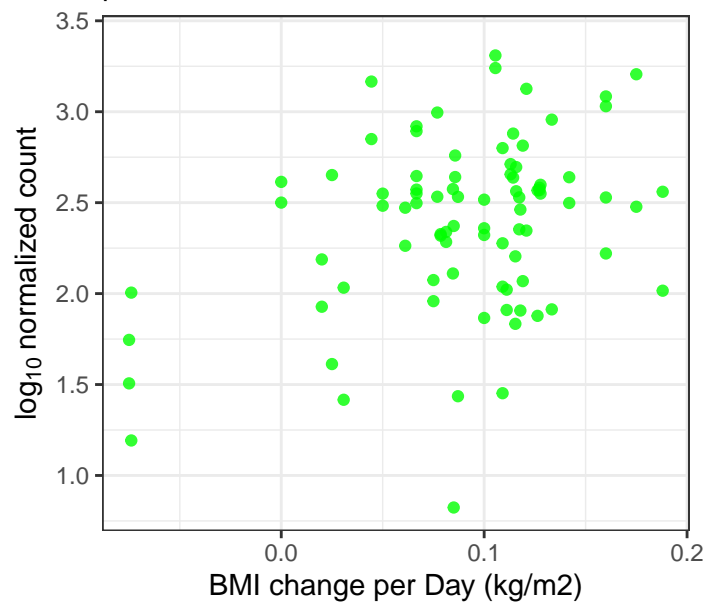
Agarilytica

p = 0.0743



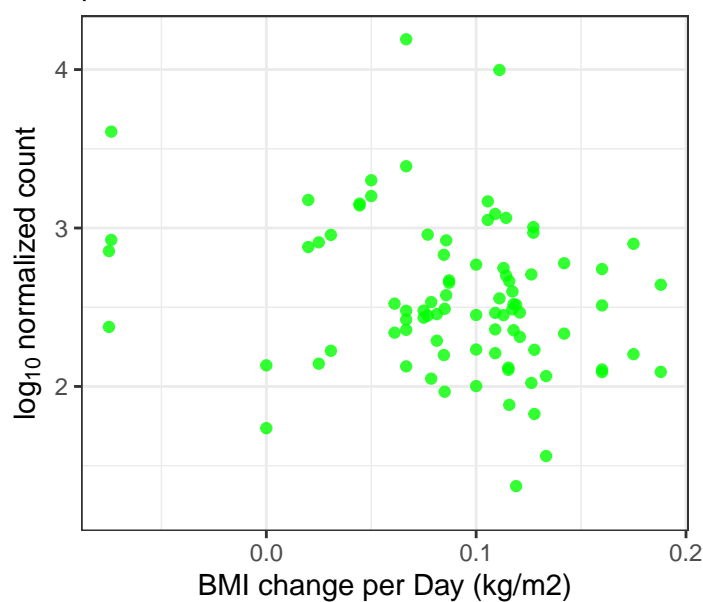
Thiomonas

p = 0.0743



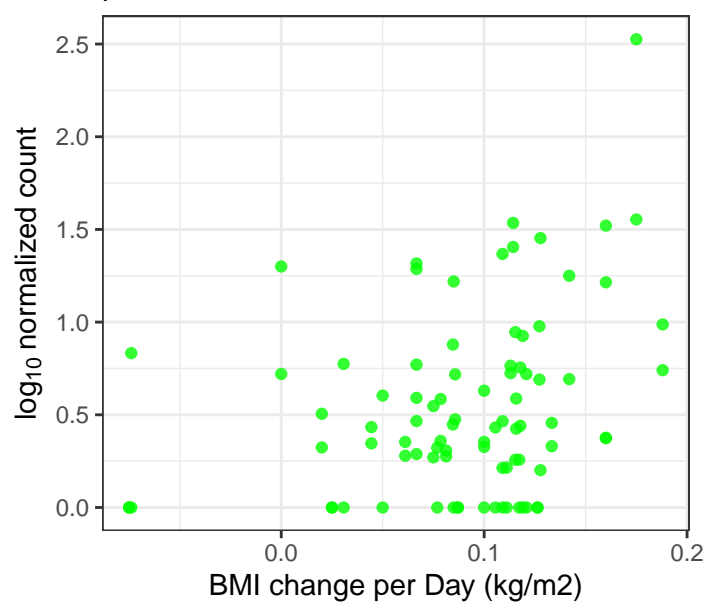
Parvimonas

p = 0.0754



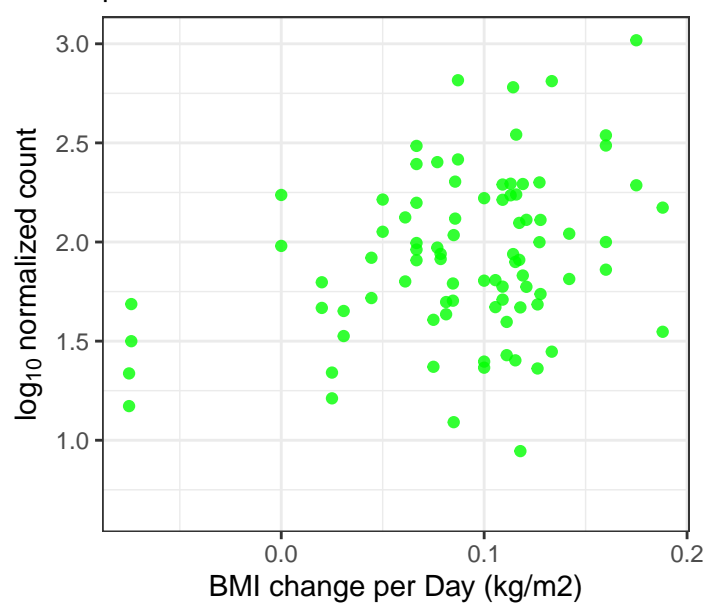
Unclassified Methanomicrobia Class

p = 0.0754



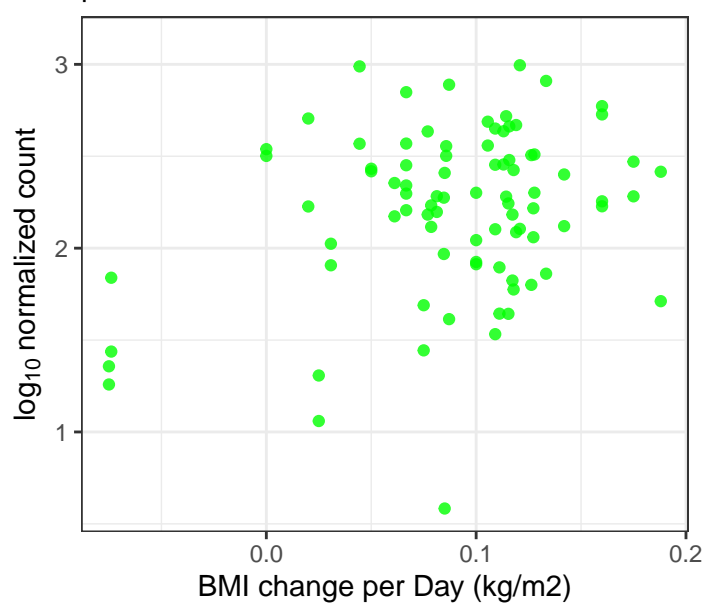
Croceicoccus

p = 0.0757



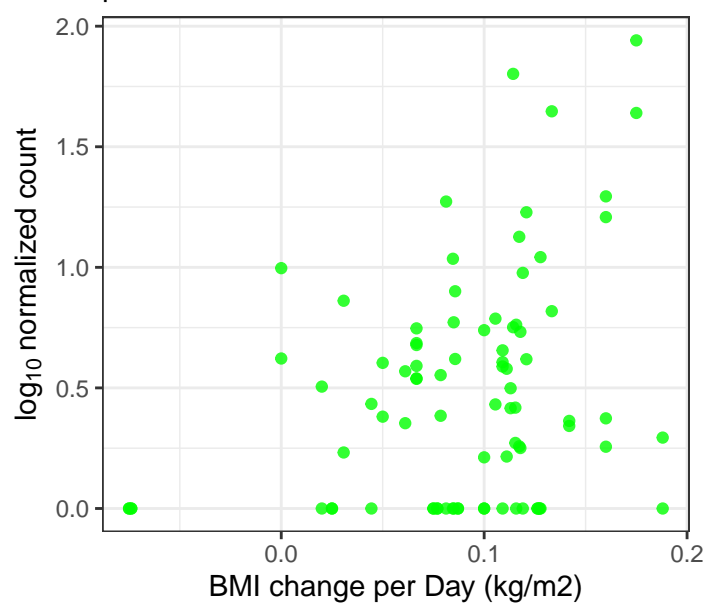
Cystobacter

p = 0.0759



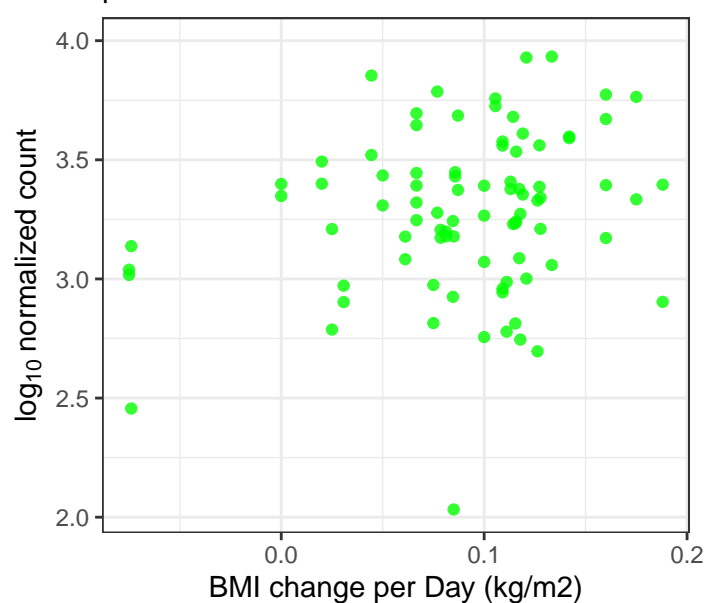
Unclassified Nocardriopsaceae Family

p = 0.0759



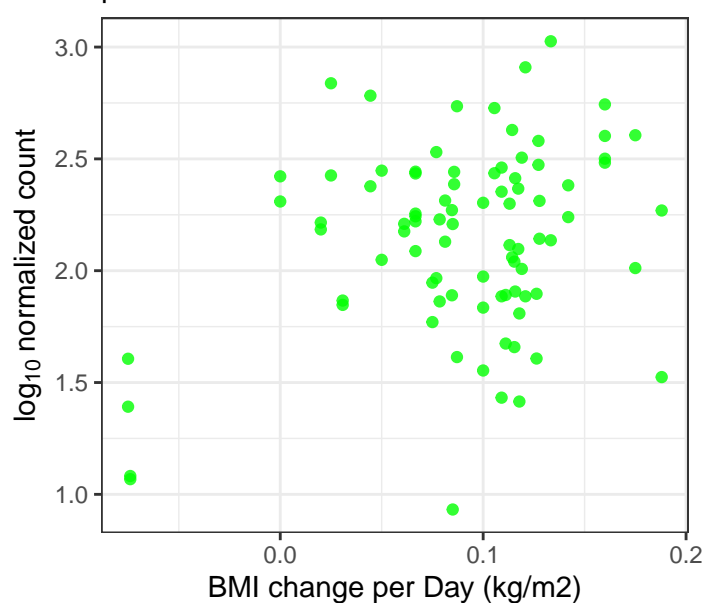
Halomonas

p = 0.0767



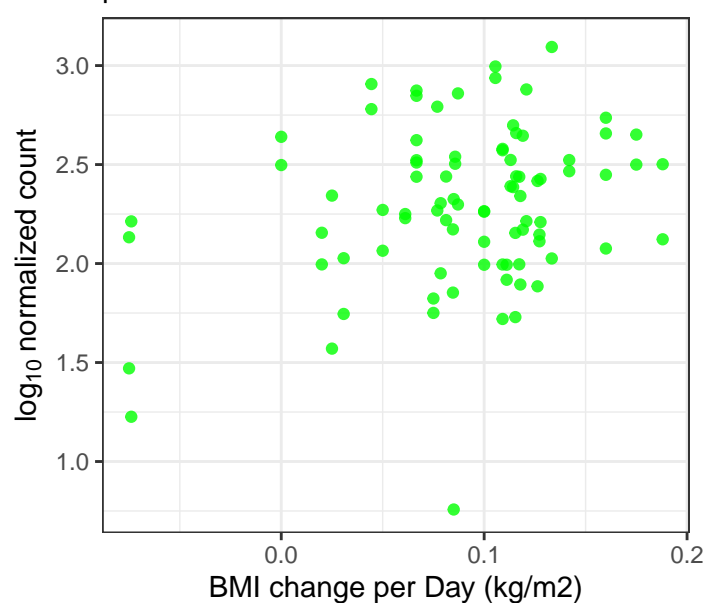
Desulfurivibrio

p = 0.0767



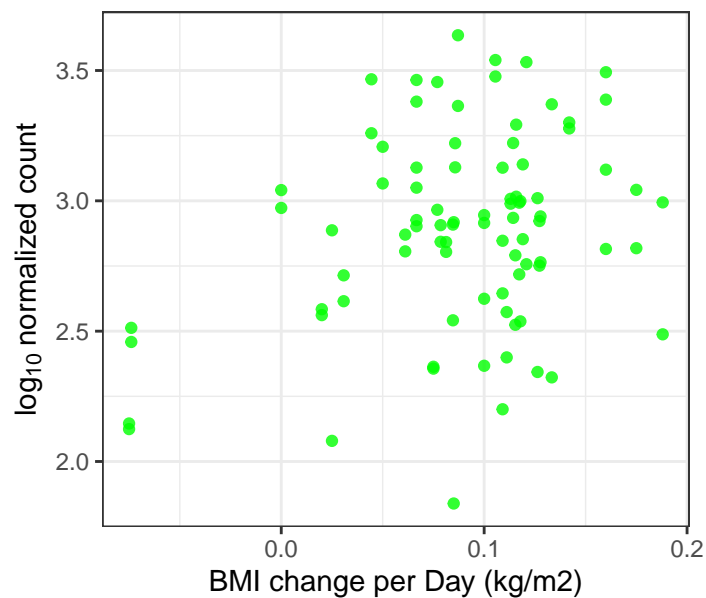
Roseiflexus

p = 0.0773



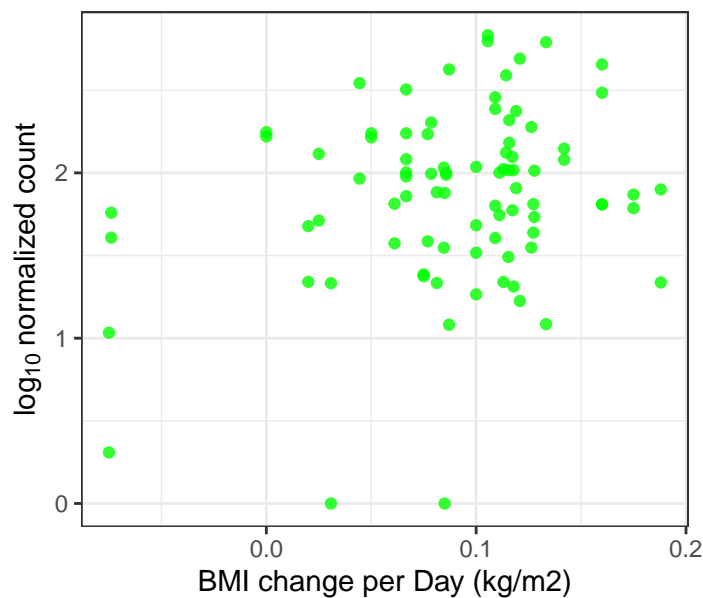
Pandoraea

$p = 0.0774$



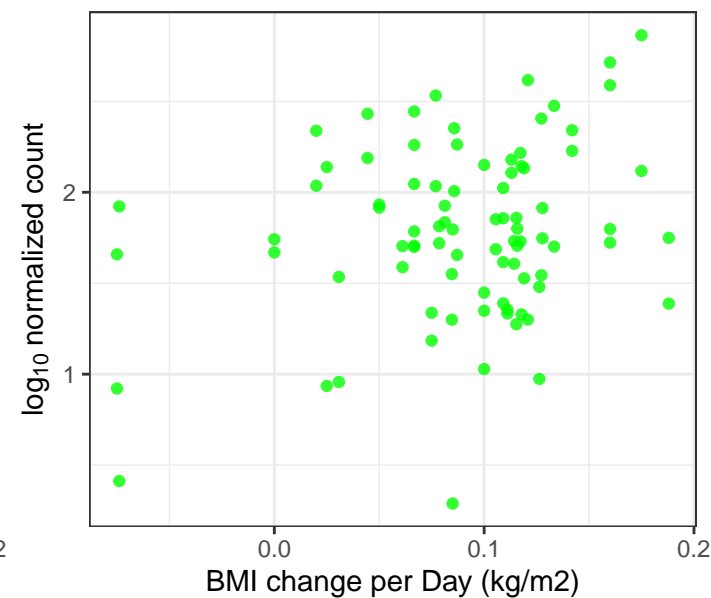
Pararhodospirillum

$p = 0.0774$



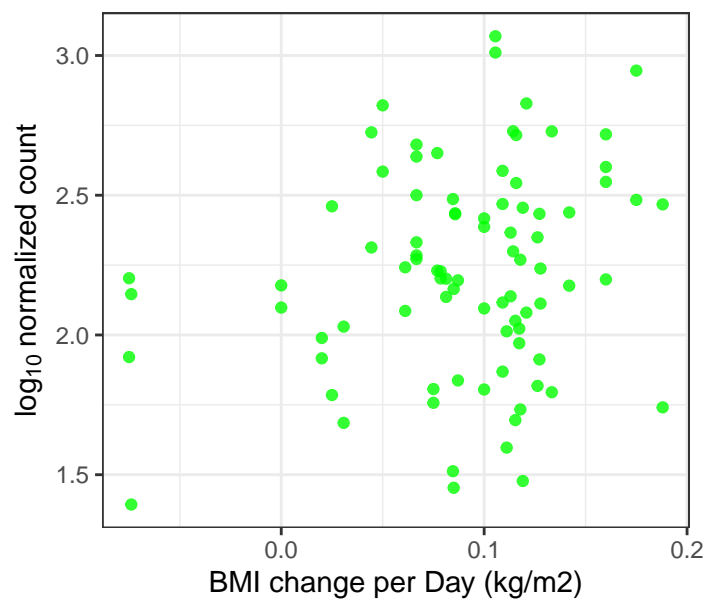
Chitinolyticbacter

$p = 0.078$



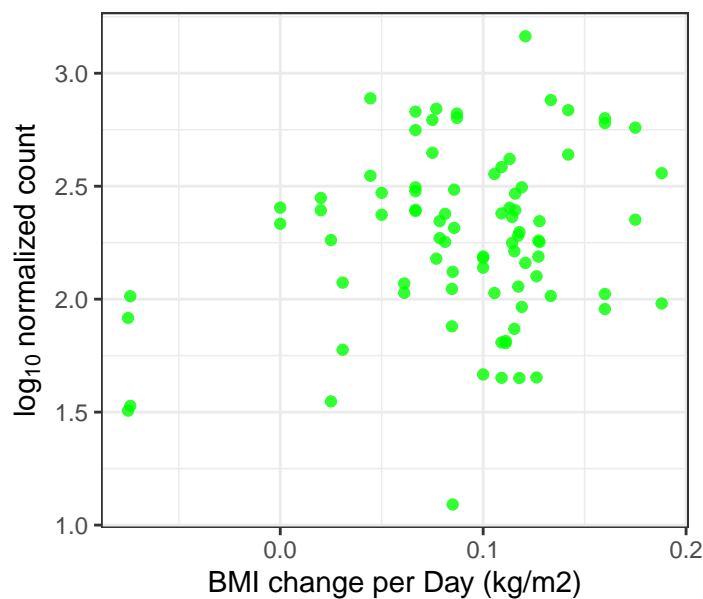
Halioglobus

$p = 0.078$



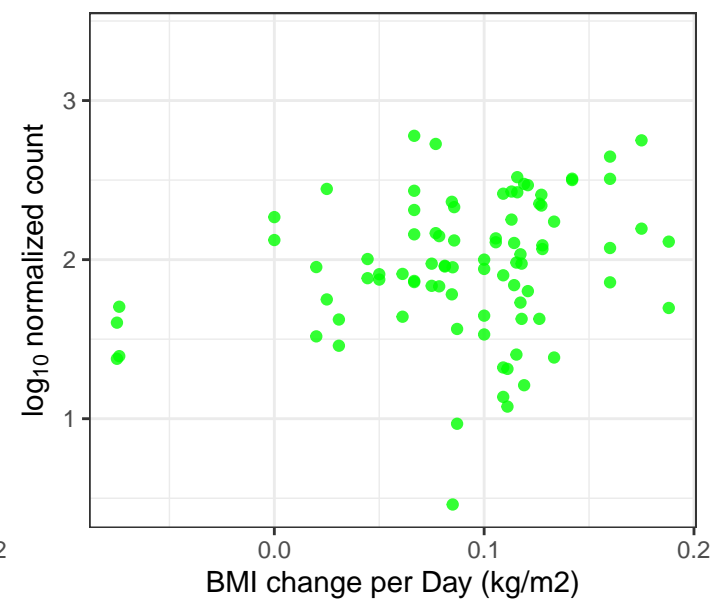
Pannonibacter

$p = 0.0784$



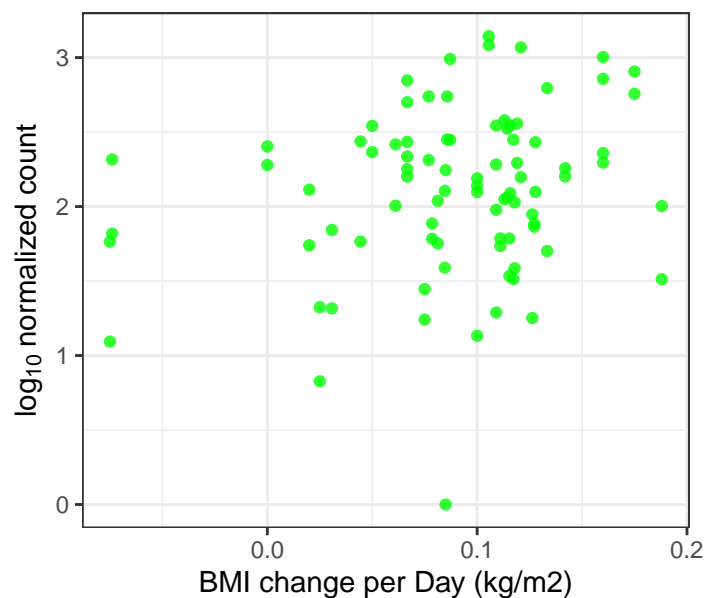
Orrella

$p = 0.0788$



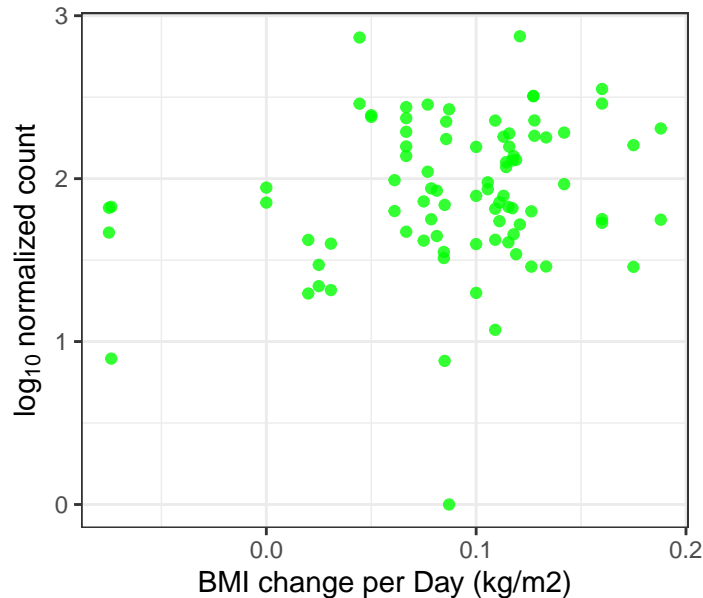
Xylanimonas

$p = 0.0788$



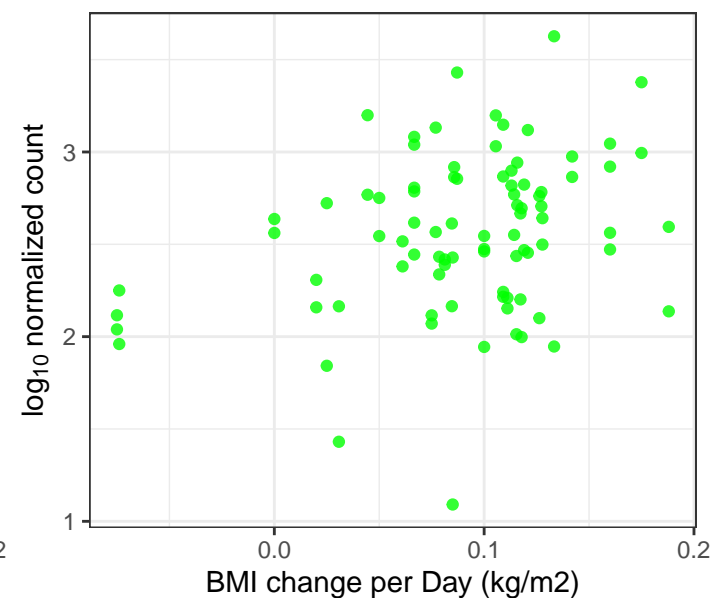
Anaerolinea

$p = 0.0788$



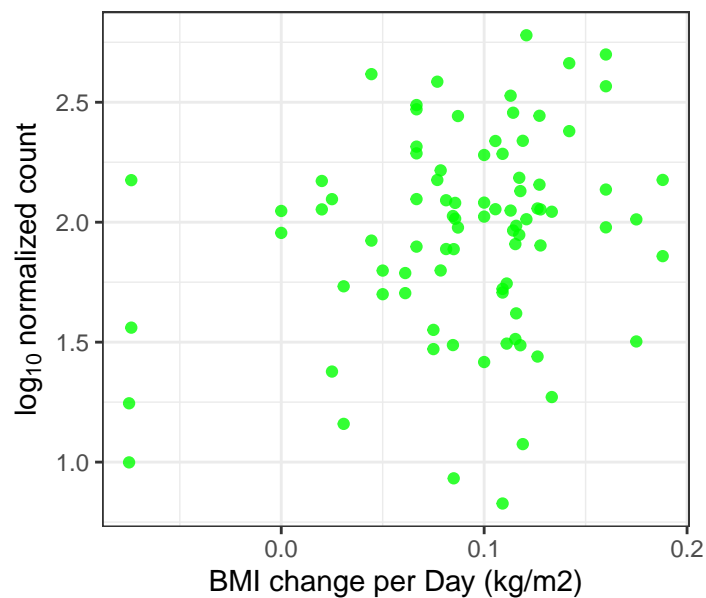
Thermobacillus

$p = 0.0788$



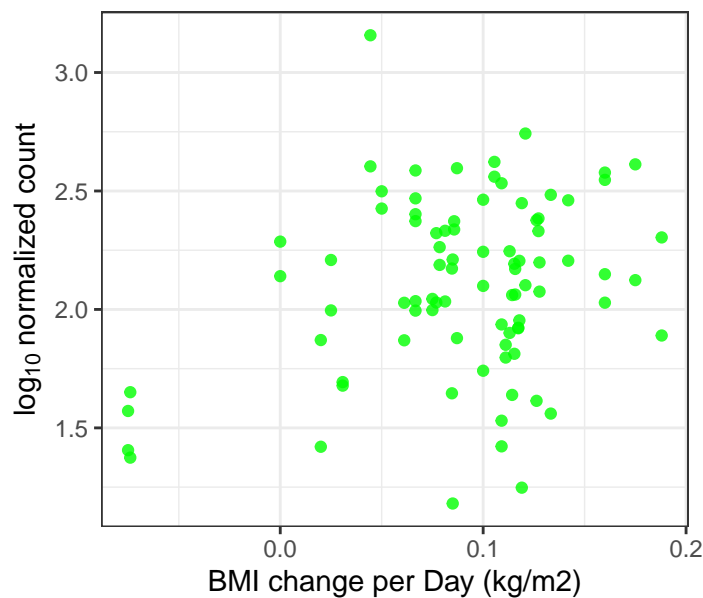
Halothiobacillus

p = 0.079



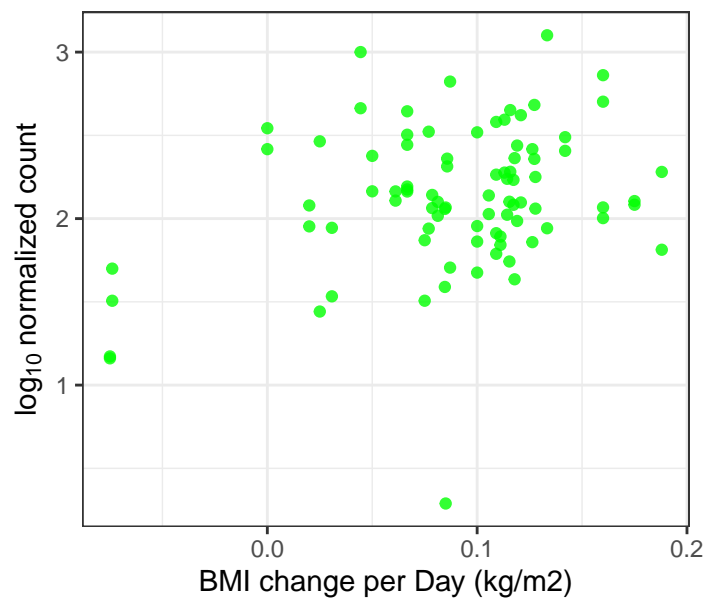
Nitrosospira

p = 0.0799



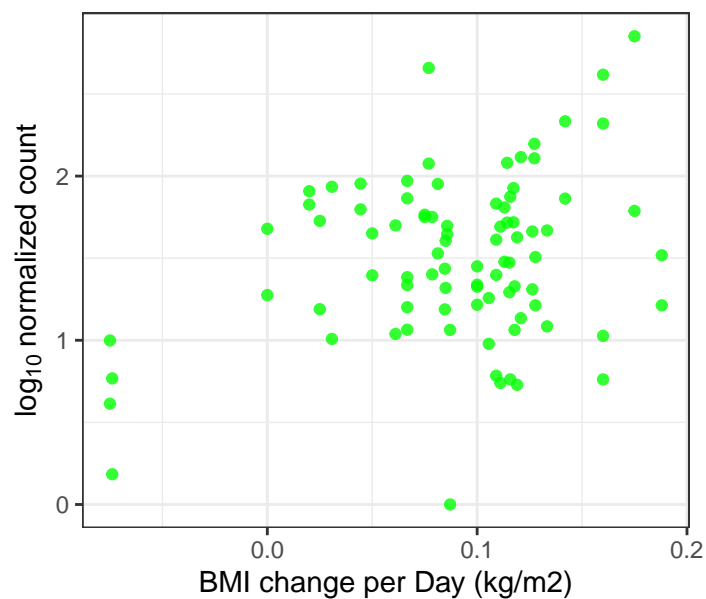
Unclassified Chromatiaceae Family

p = 0.0803



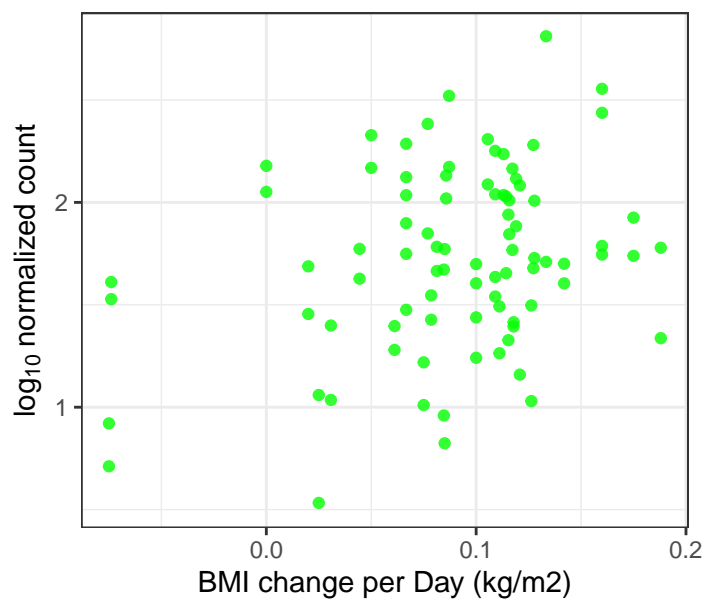
Methanohalobium

p = 0.0806



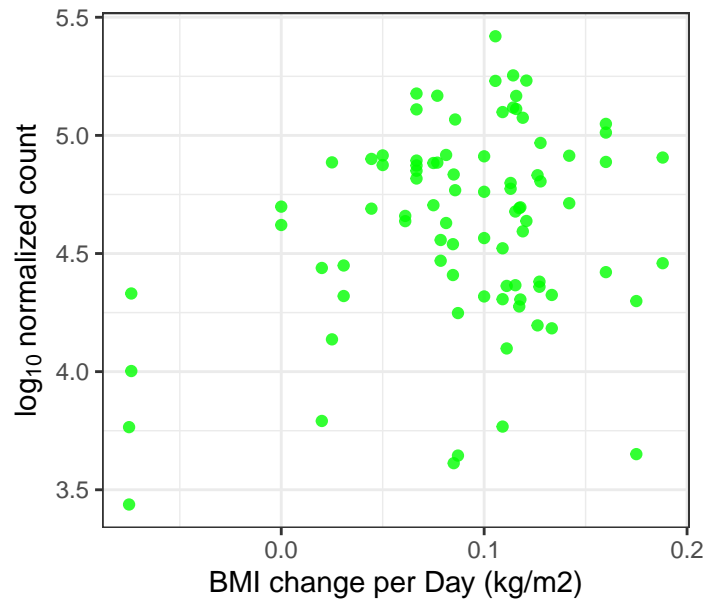
Pseudogulbenkiania

p = 0.081



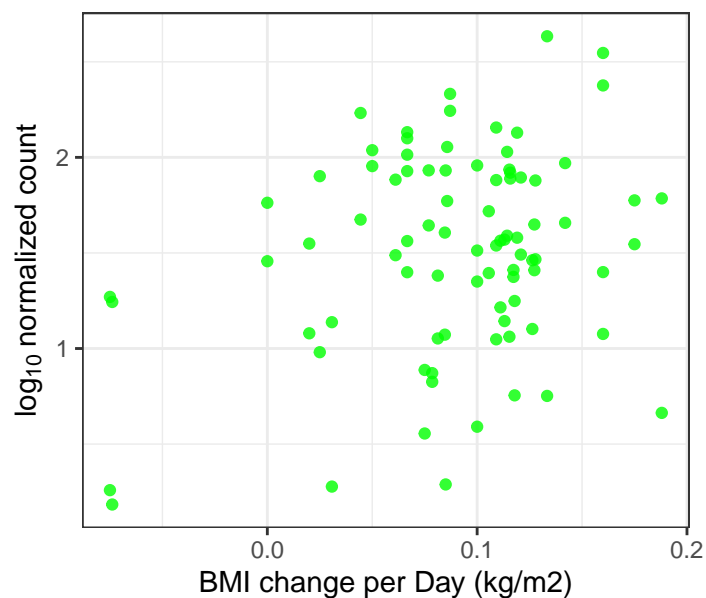
Dysosmobacter

p = 0.081



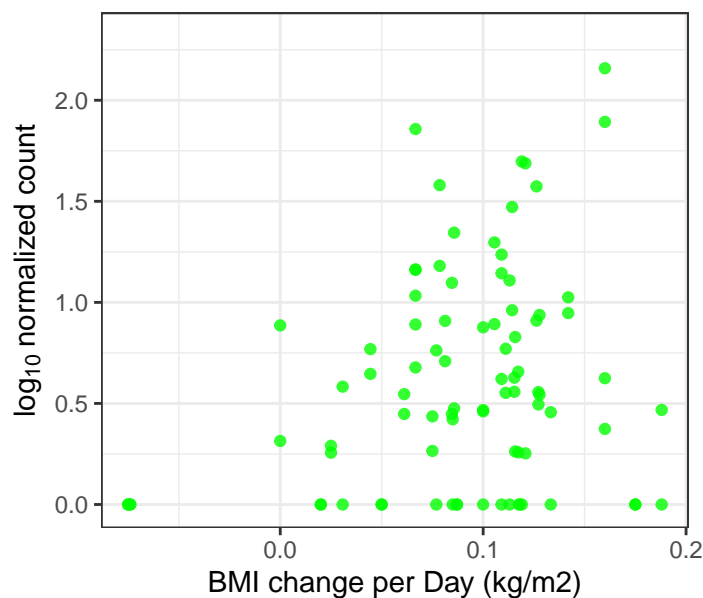
Thermomicrobium

p = 0.081



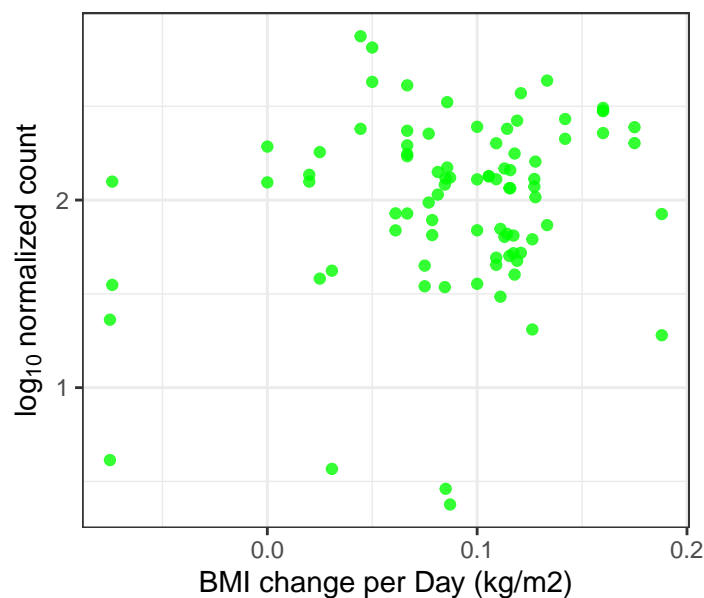
Unclassified Desulfuromonadaceae Far

p = 0.081

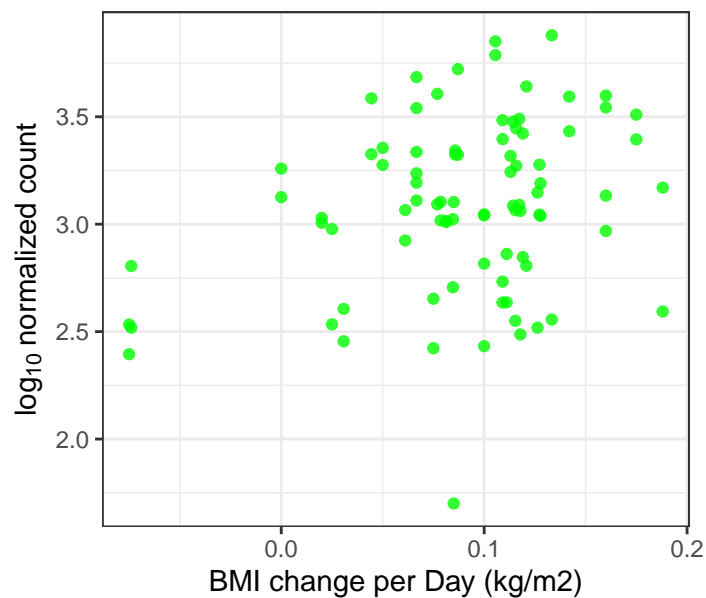


Methanocella

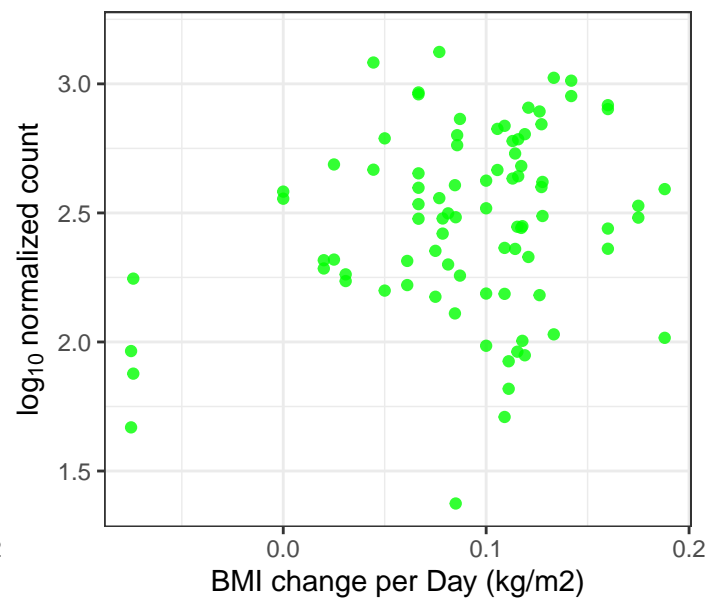
p = 0.0823



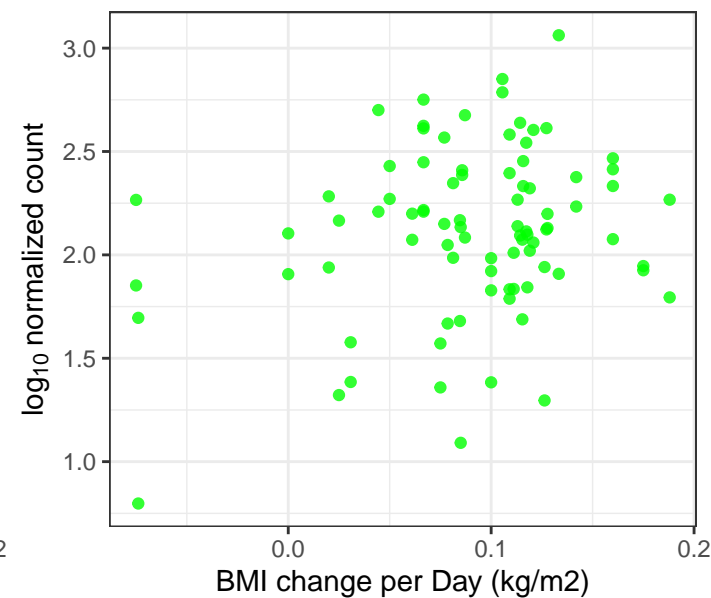
Unclassified Rhizobiales Order

 $p = 0.0824$ 

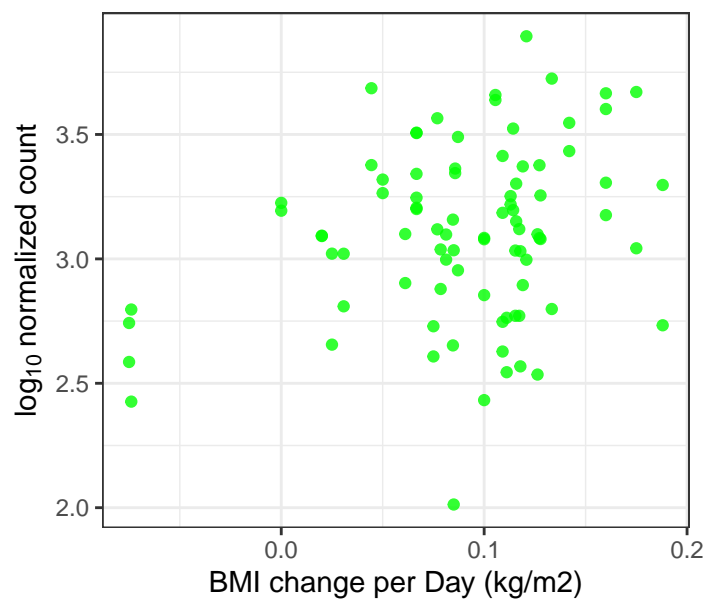
Terriglobus

 $p = 0.0828$ 

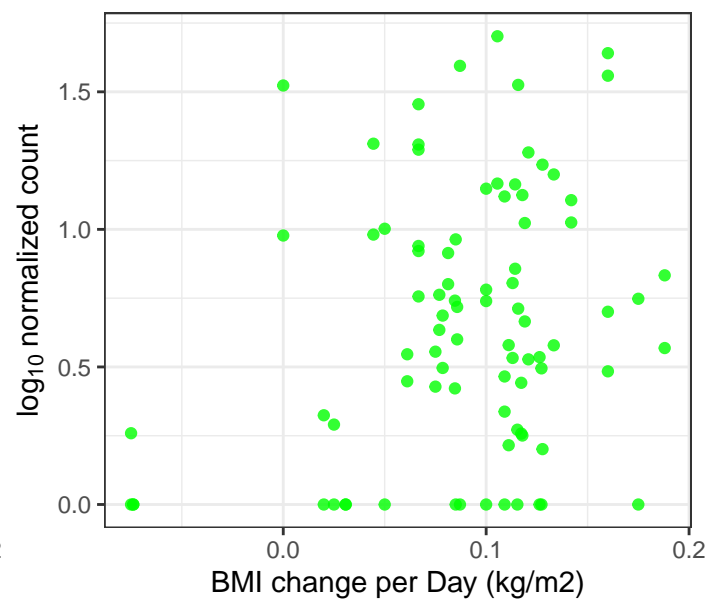
Thermothielavioides

 $p = 0.0836$ 

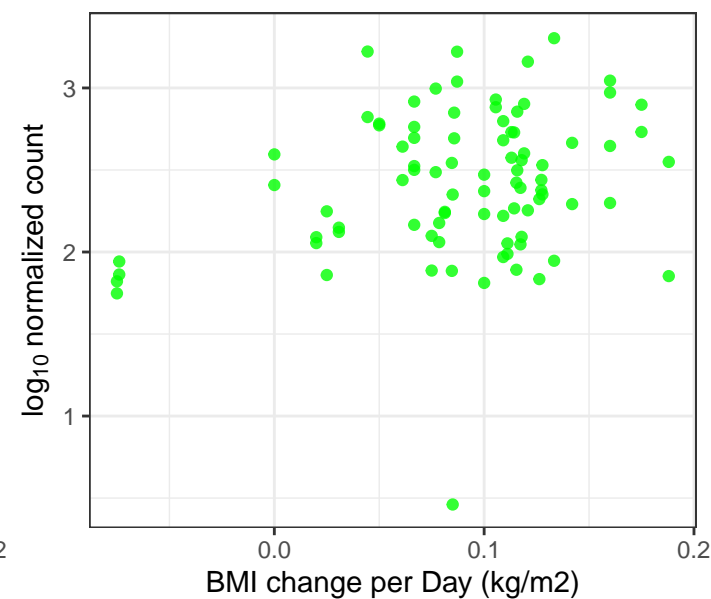
Synechococcus

 $p = 0.0842$ 

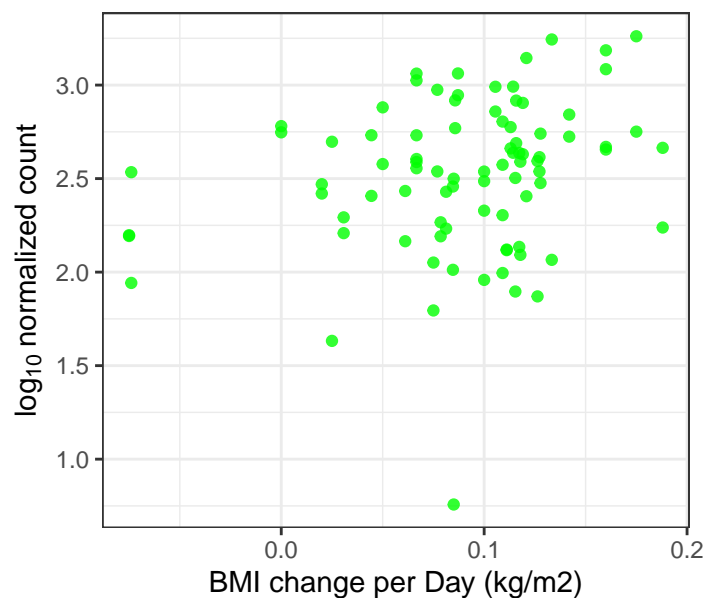
Unclassified Isosphaeraceae Family

 $p = 0.0842$ 

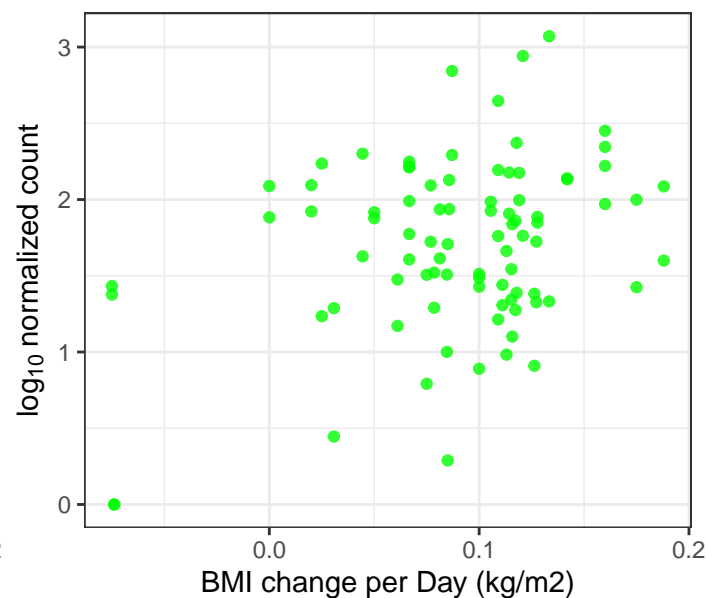
Gemmata

 $p = 0.0848$ 

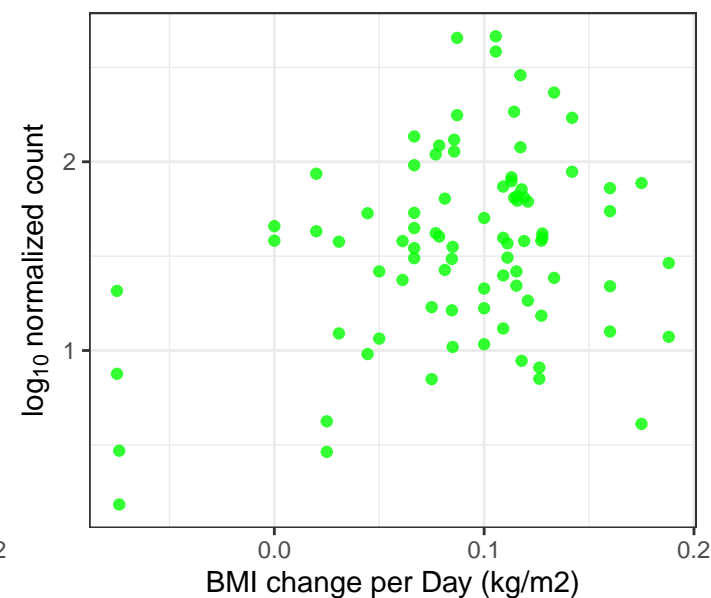
Acidipropionibacterium

 $p = 0.085$ 

Maribius

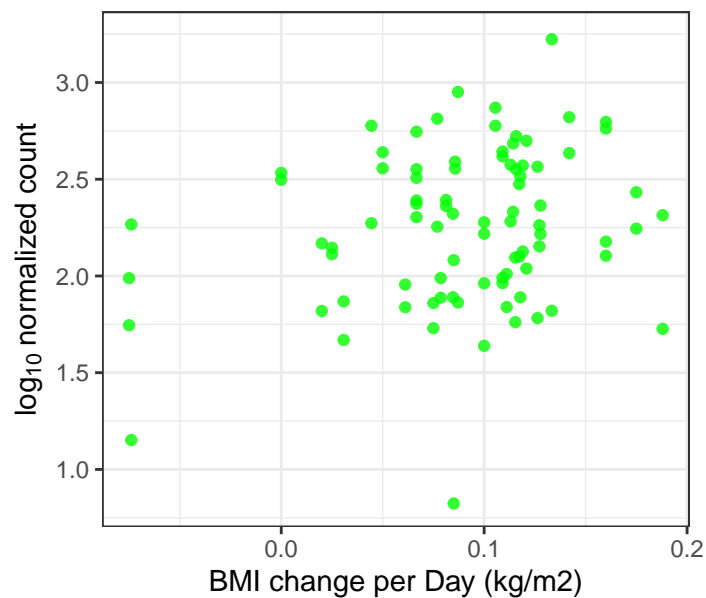
 $p = 0.085$ 

Permianibacter

 $p = 0.085$ 

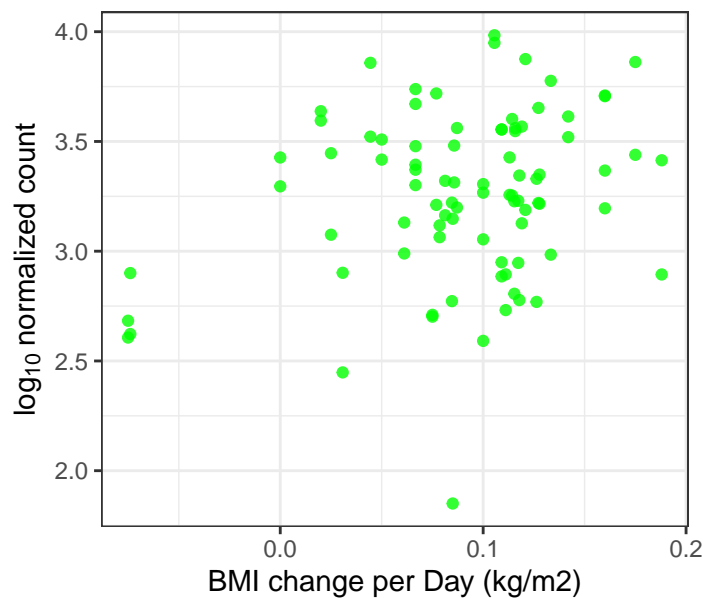
Nitratireductor

p = 0.0872



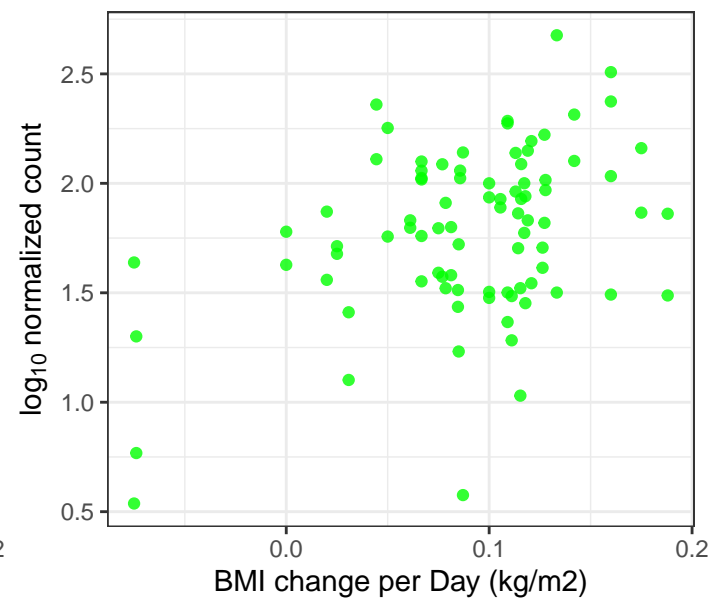
Aeromonas

p = 0.0881



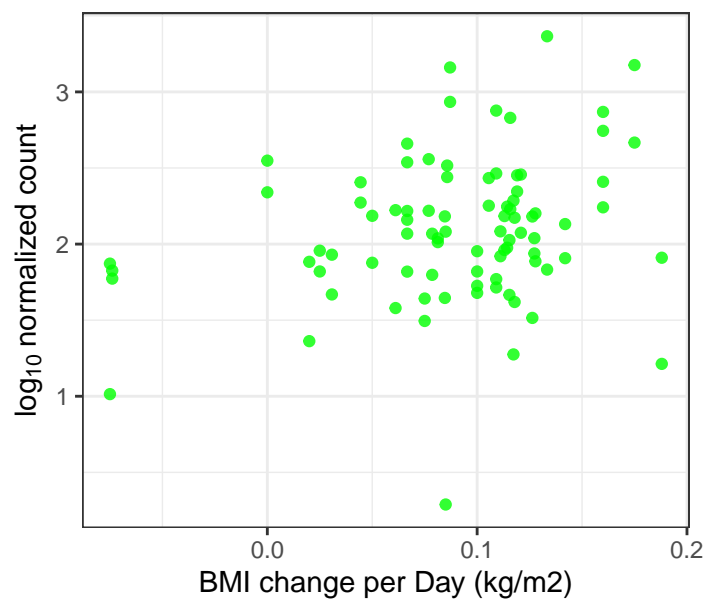
Phyllobacterium

p = 0.0881



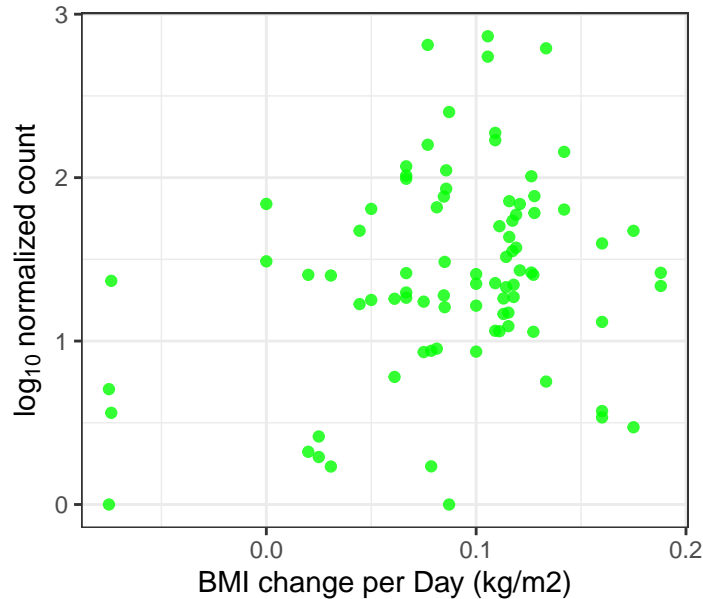
Frondihabitans

p = 0.0883



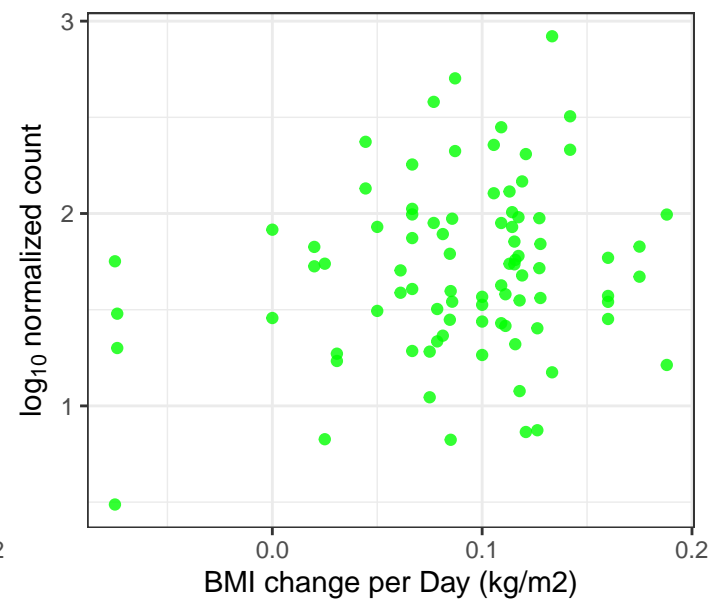
Dichelobacter

p = 0.0885



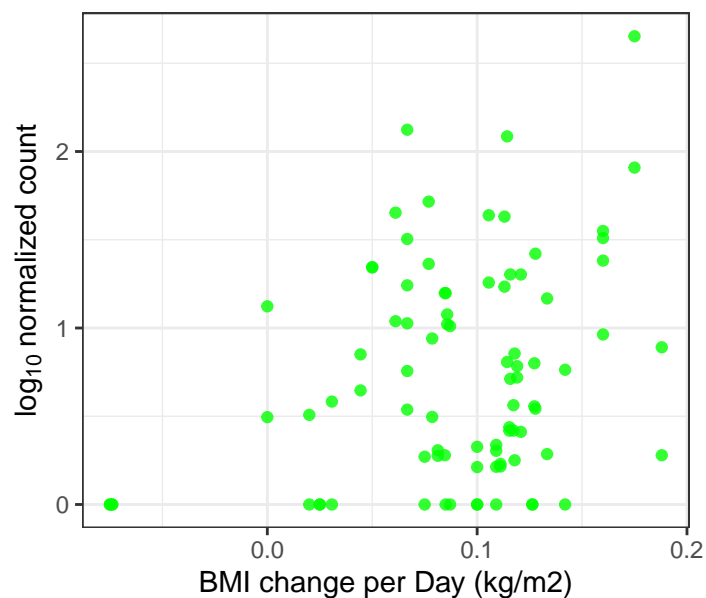
Pseudohalocynthiibacter

p = 0.0885



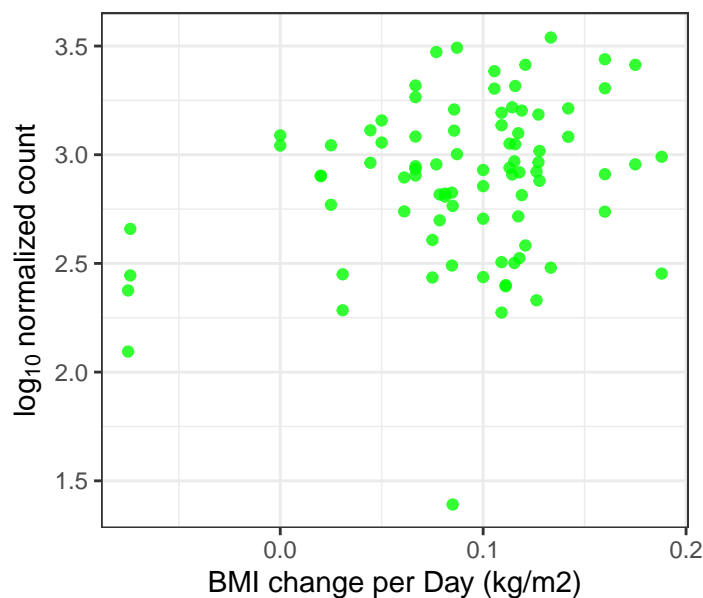
Unclassified Streptosporangiaceae Fami

p = 0.0885



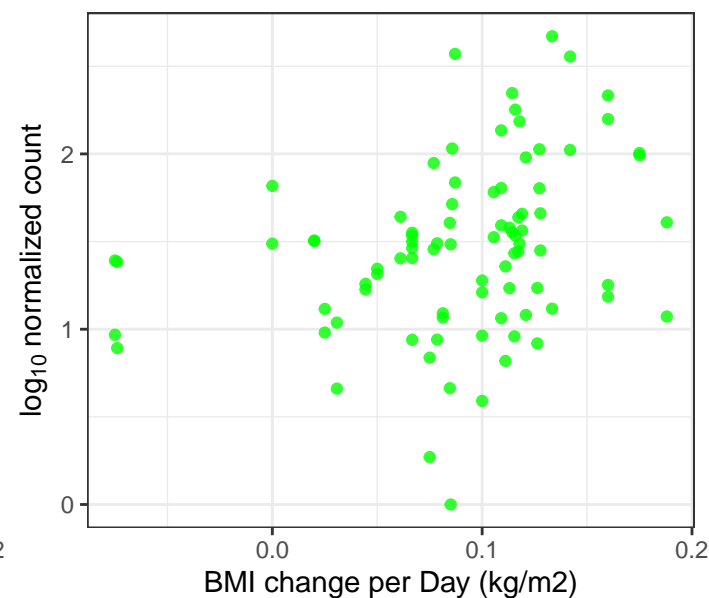
Brevibacterium

p = 0.089



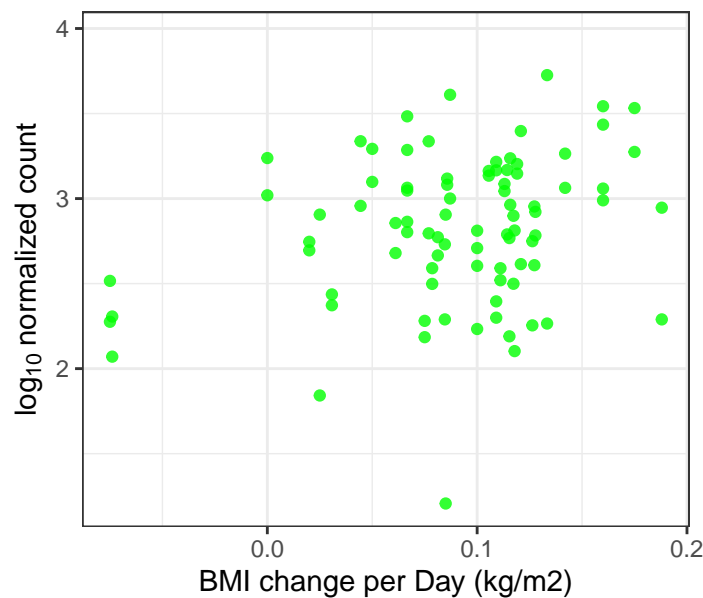
Mycetocola

p = 0.0896



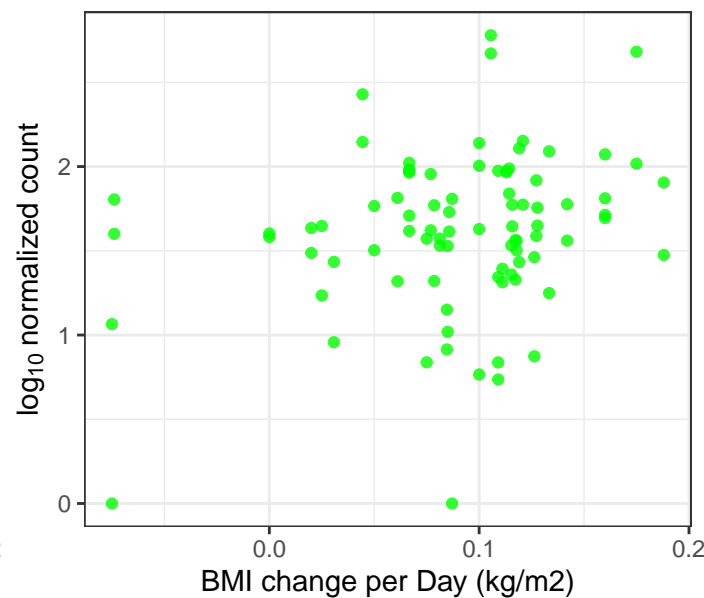
Unclassified Micrococcales Order

p = 0.0901



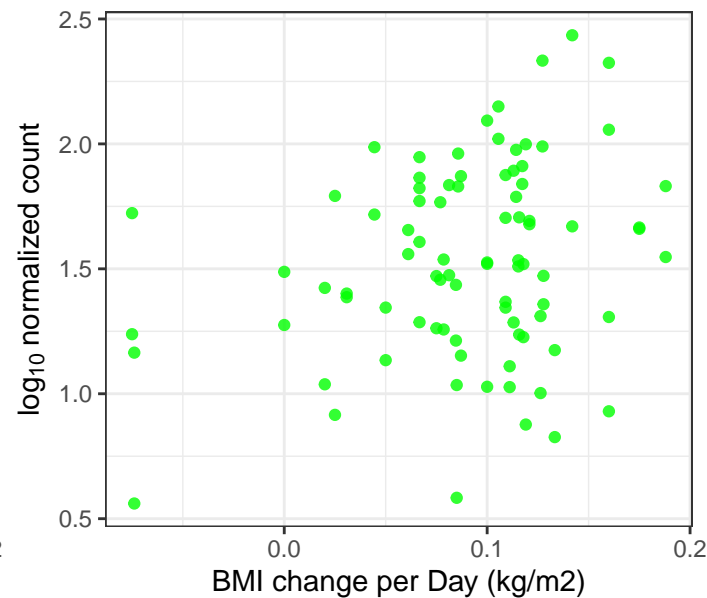
Dermatophilus

p = 0.0904



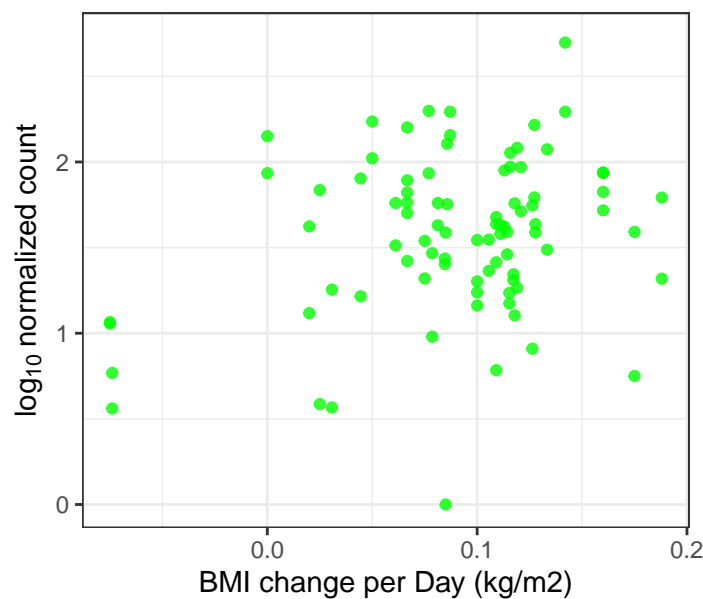
Unclassified Holosporaceae Family

p = 0.0904



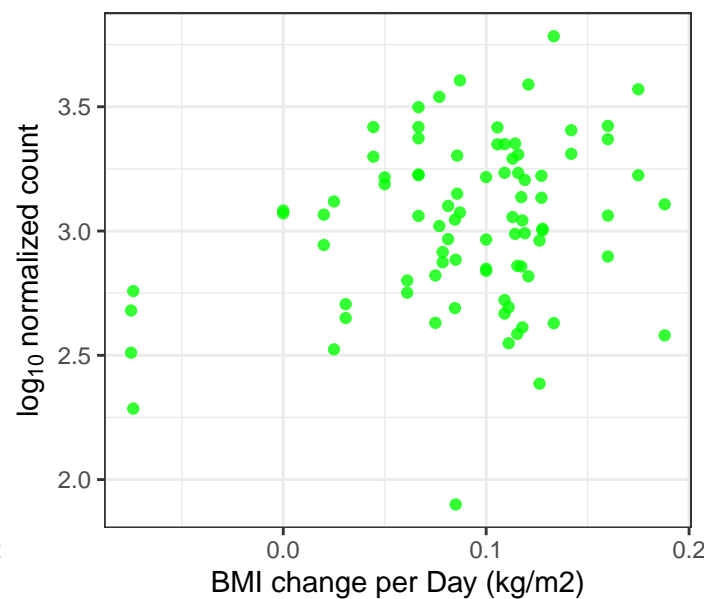
Diaminobutyricimonas

p = 0.0907



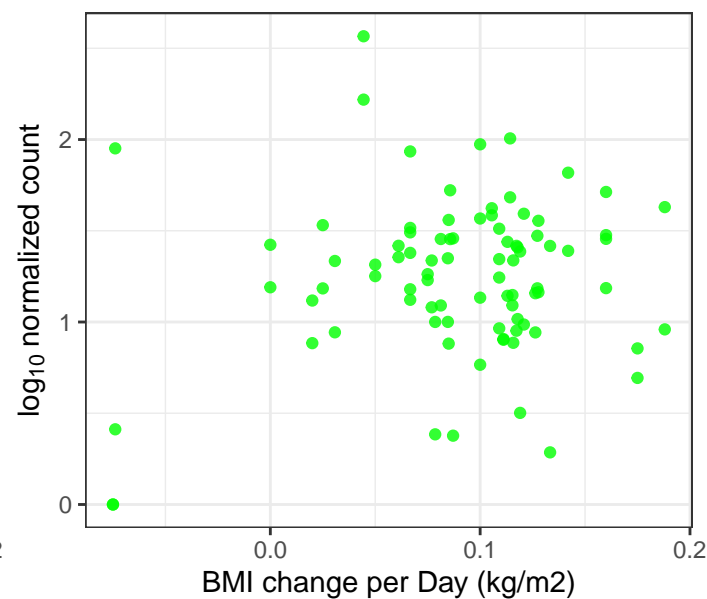
Agrobacterium

p = 0.091



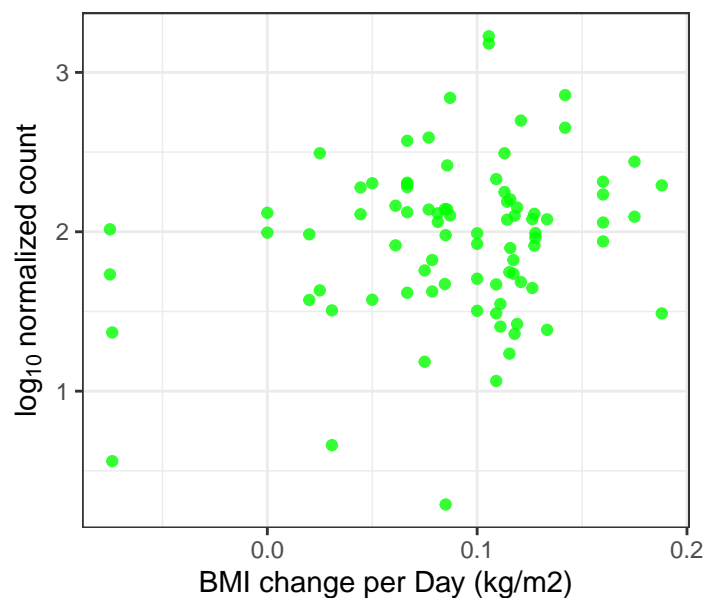
Candidatus Aquiluna

p = 0.091



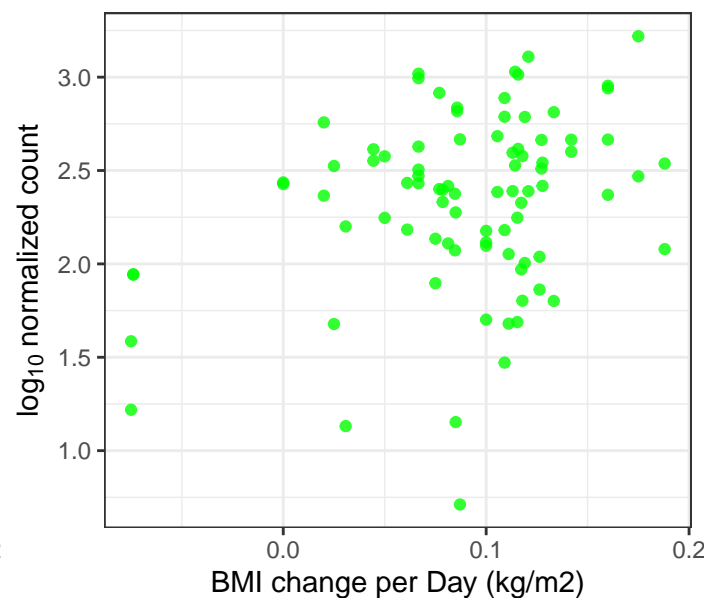
Rhodomicrobium

p = 0.091



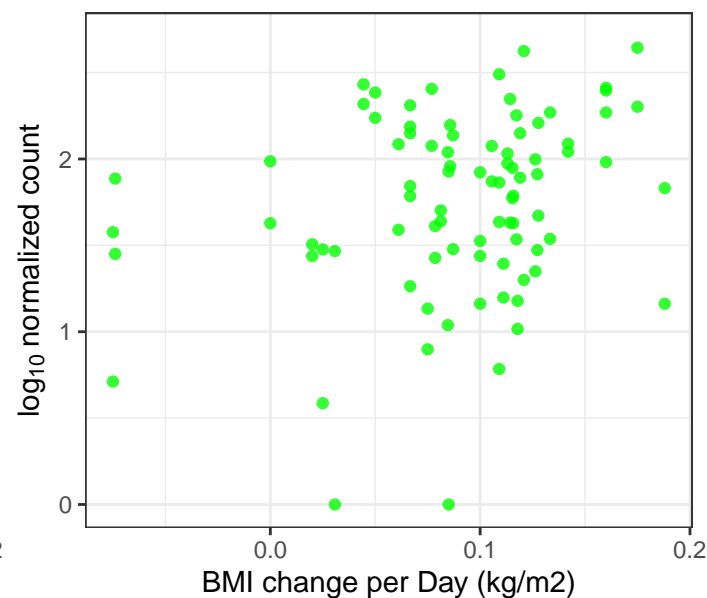
Unclassified Rhodothermaceae Family

p = 0.091



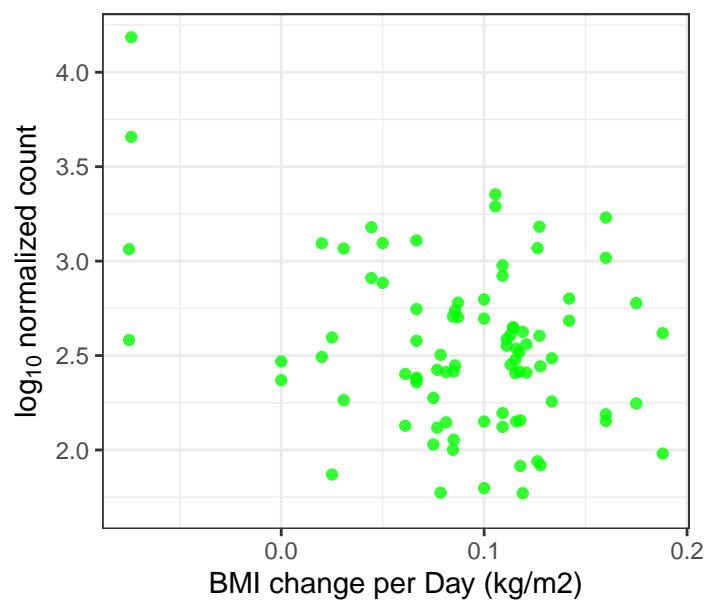
Xylanimicrobium

p = 0.0911



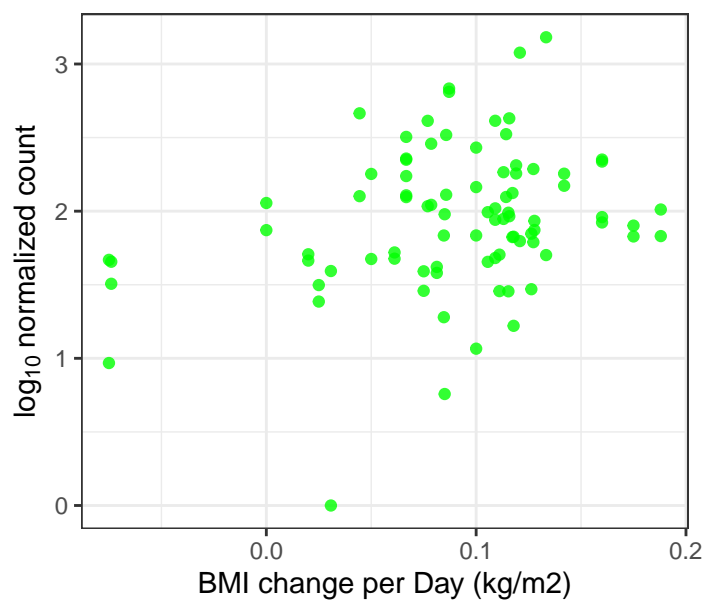
Pediococcus

p = 0.0912



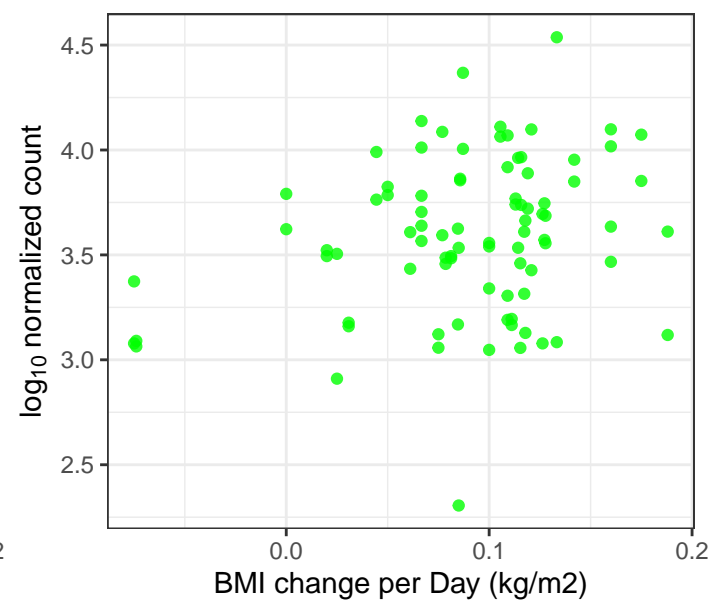
Lautropia

p = 0.0917



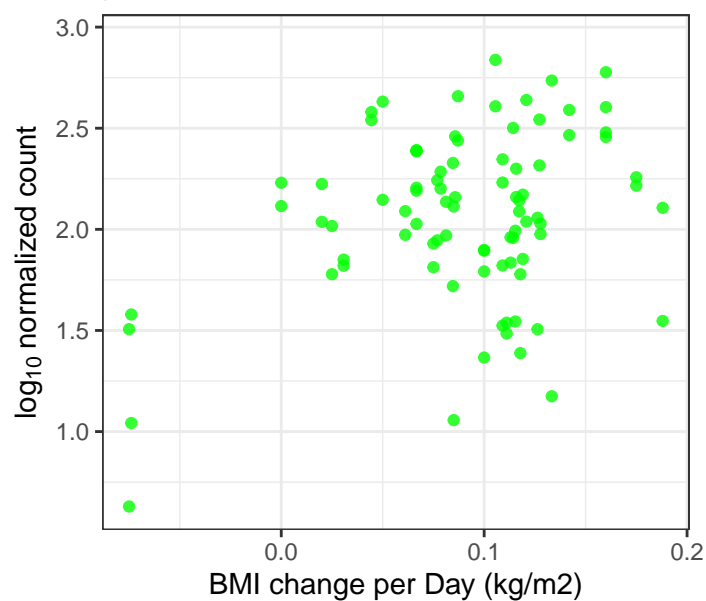
Burkholderia

p = 0.0925



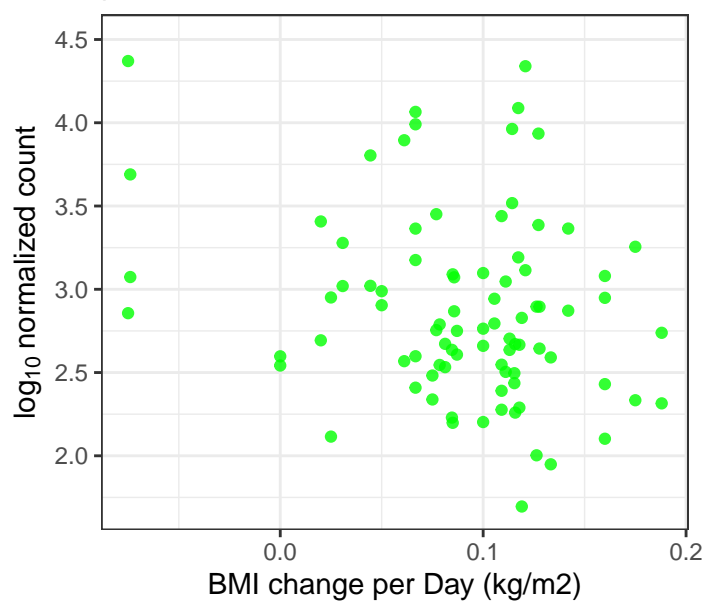
Cardiobacterium

p = 0.0947



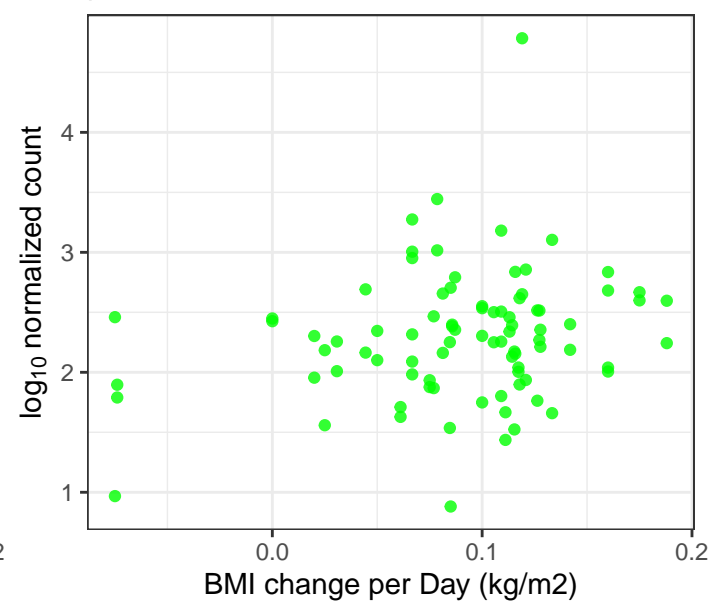
Leuconostoc

p = 0.0947



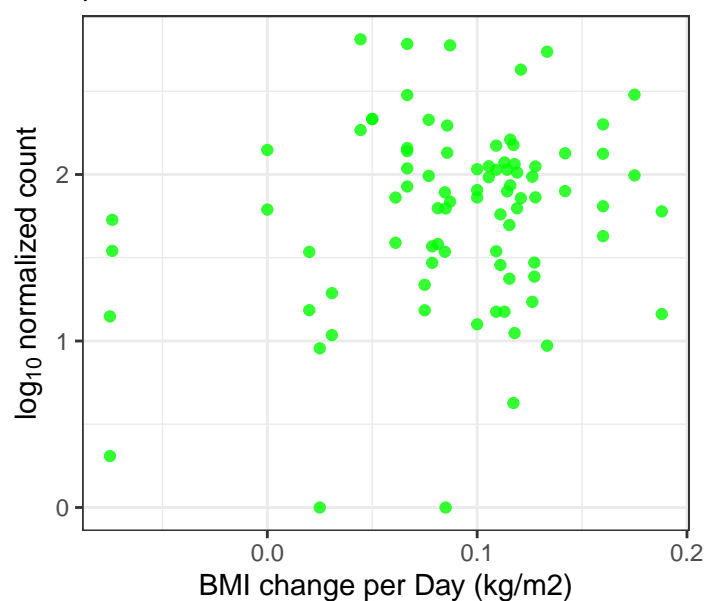
Pseudopropionibacterium

p = 0.0947



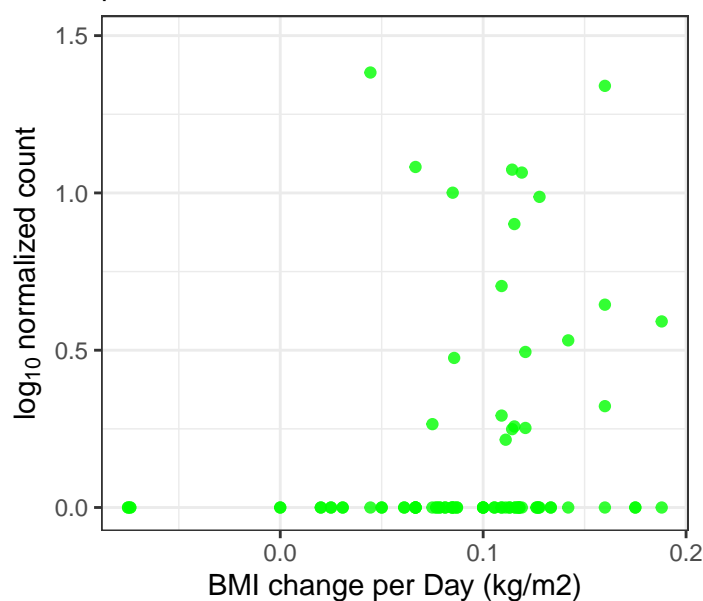
Unclassified Nocardiodaceae Family

p = 0.0947



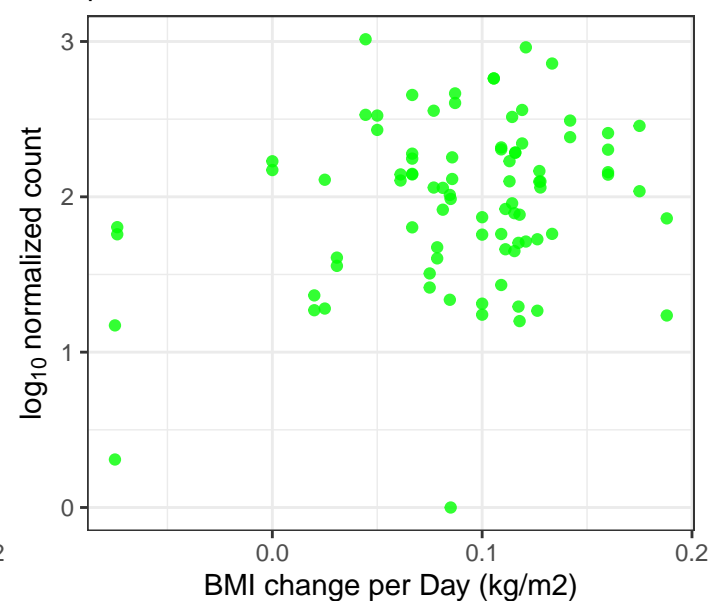
Unclassified Opitutae Class

p = 0.0947



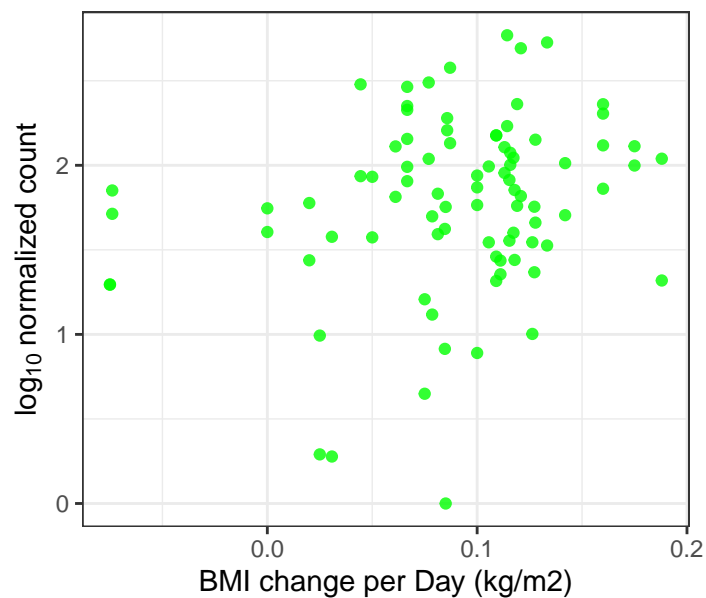
Micropruina

p = 0.0956



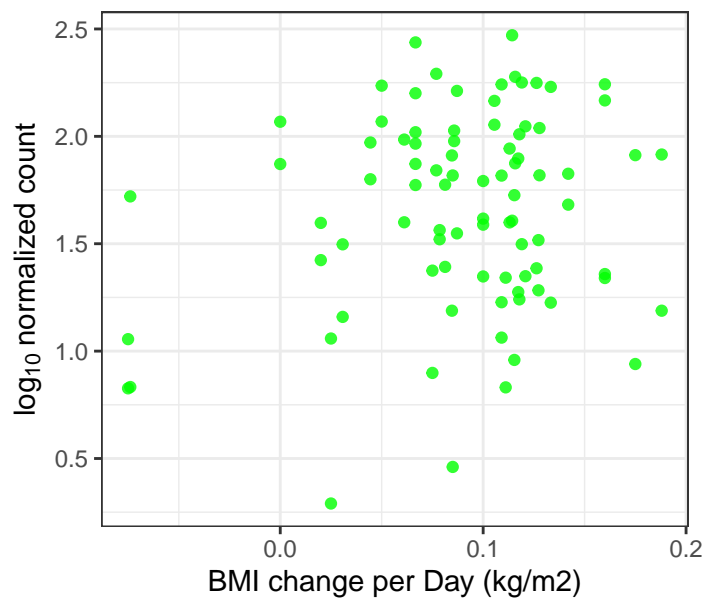
Sagittula

p = 0.0959



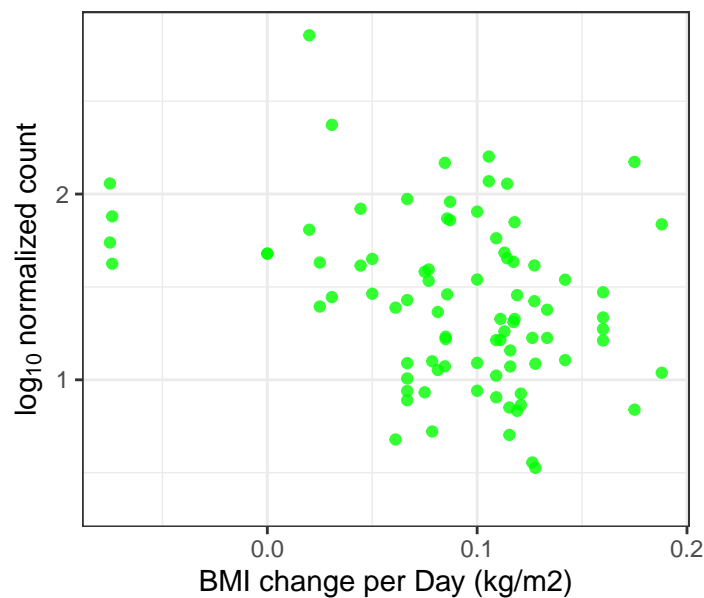
Tetrasphaera

p = 0.0962



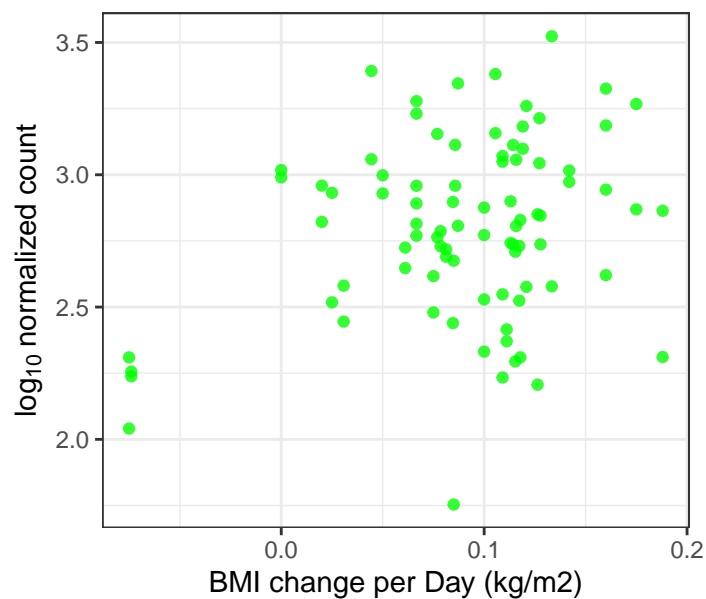
Trichormus

p = 0.0965



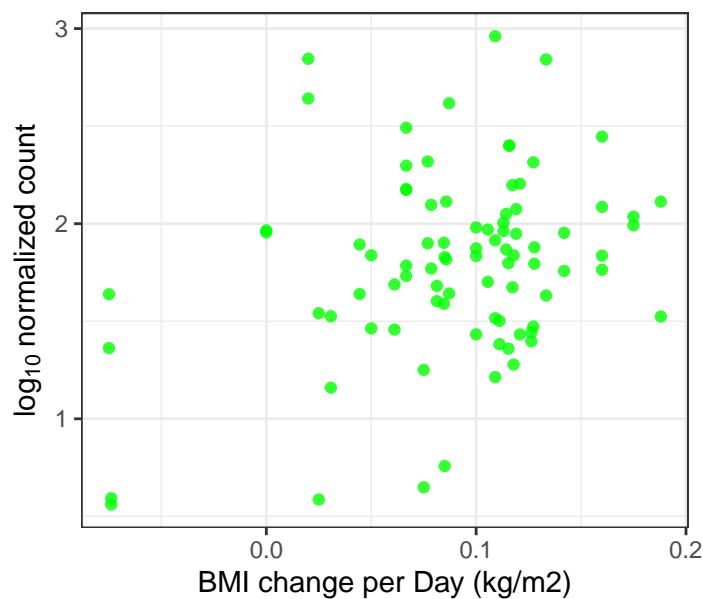
Janthinobacterium

p = 0.0965



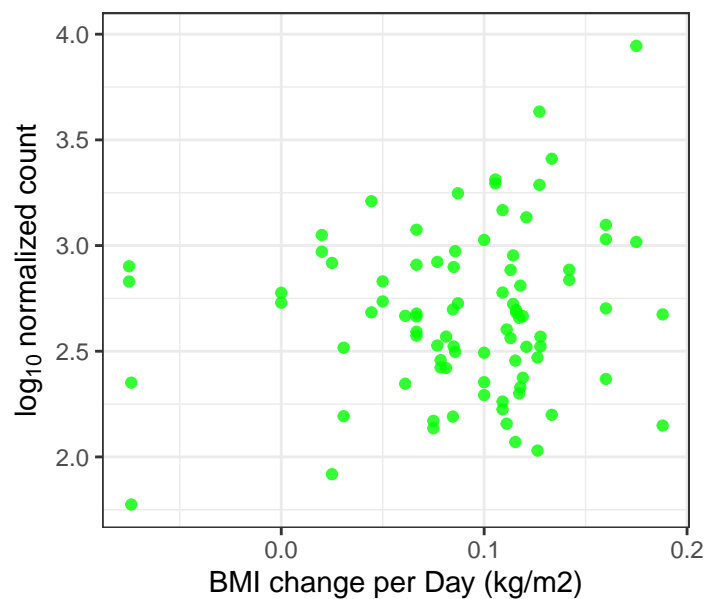
Dinoroseobacter

p = 0.097



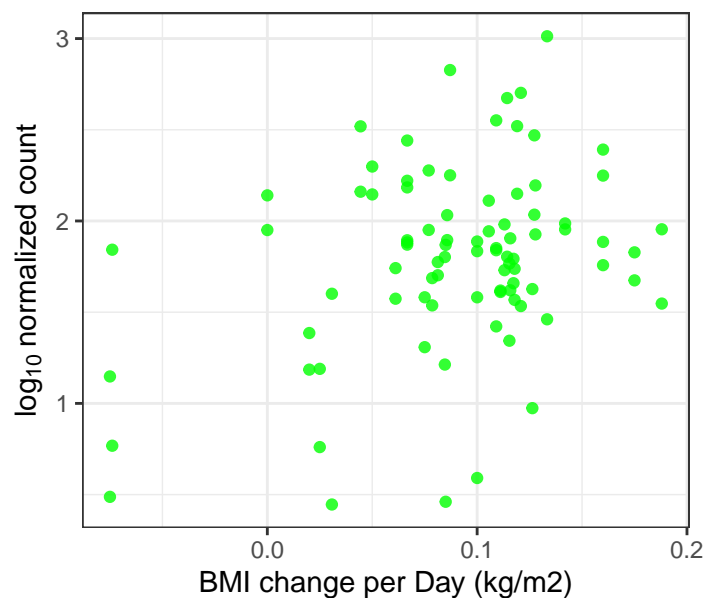
Cronobacter

p = 0.0975



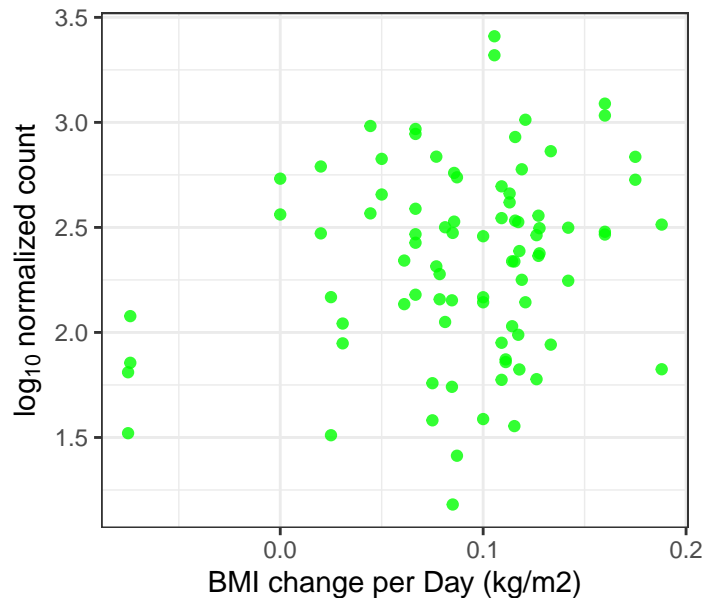
Inhella

p = 0.0975



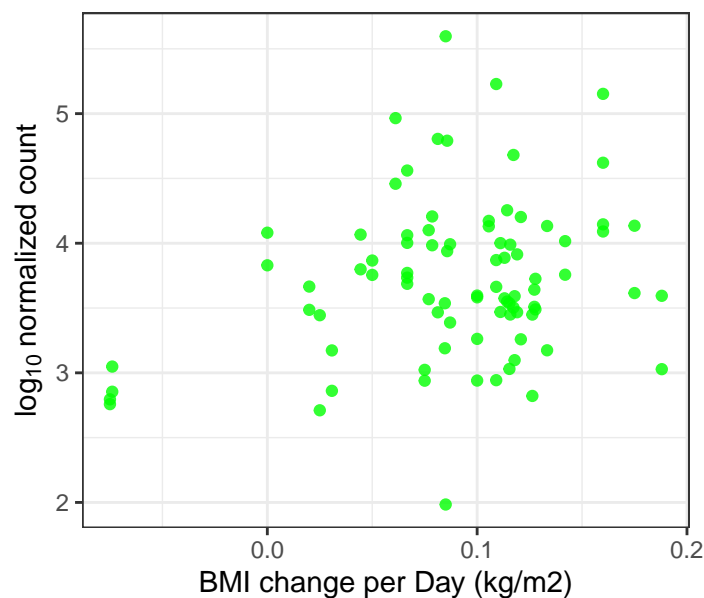
Leucobacter

p = 0.0977



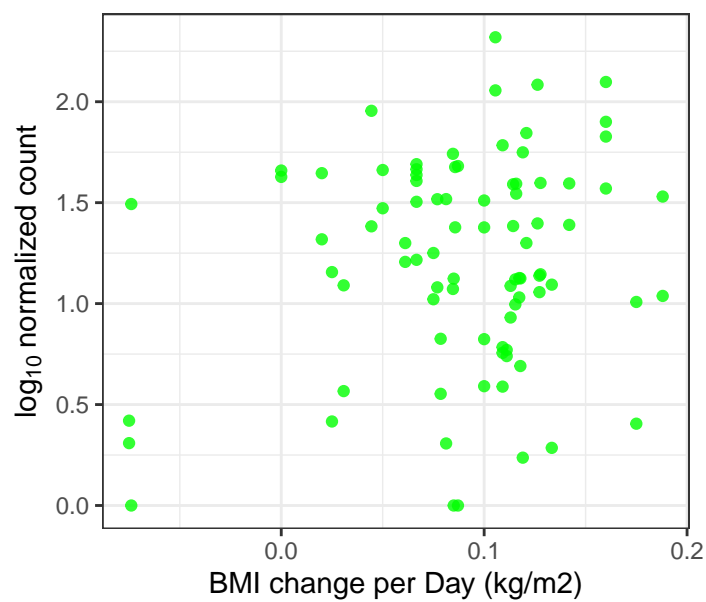
Desulfovibrio

p = 0.0987



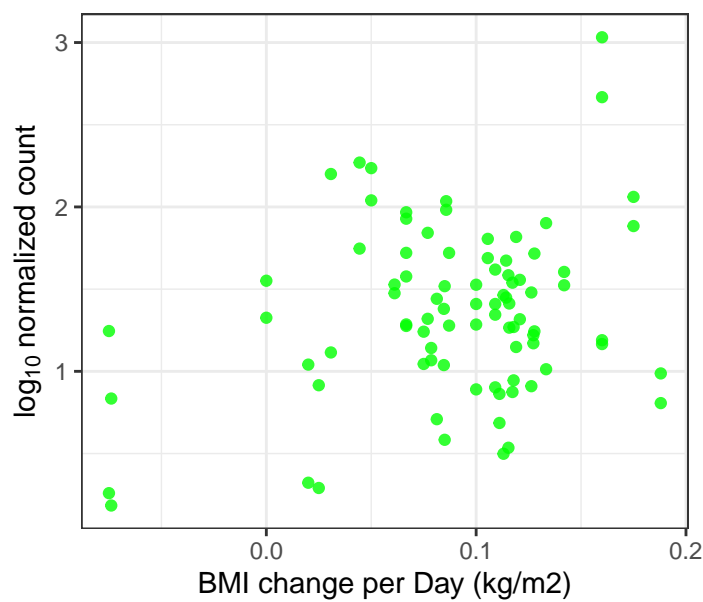
Marivivens

p = 0.0987



Unclassified Euryarchaeota Phylum

p = 0.0987



Unclassified Methylocystaceae Family

p = 0.0993

