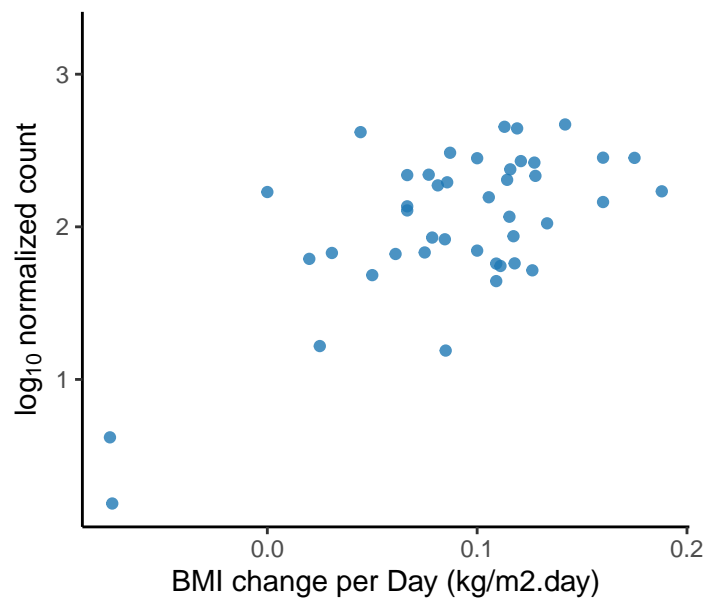


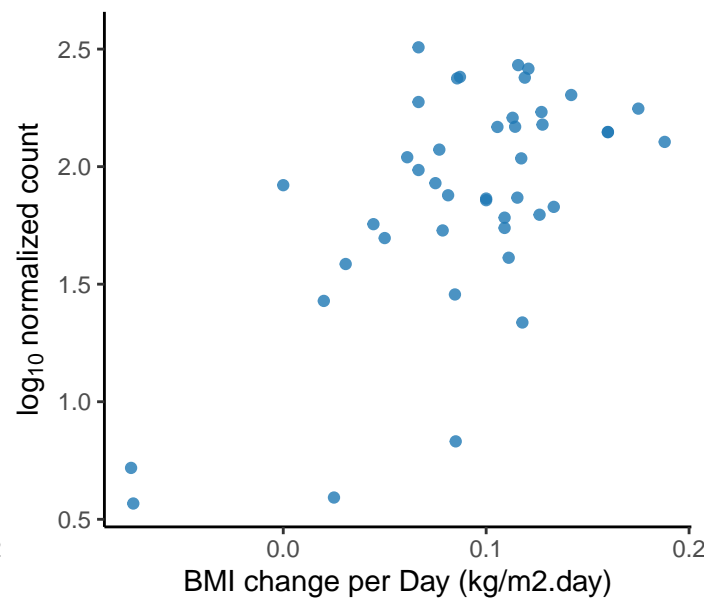
Ketogulonicigenium

adjusted p = 0.00365



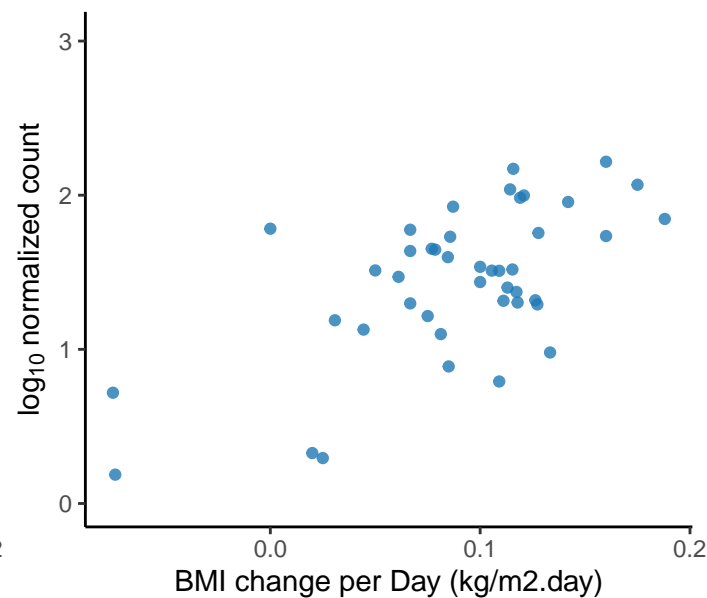
Acidobacterium

adjusted p = 0.00443



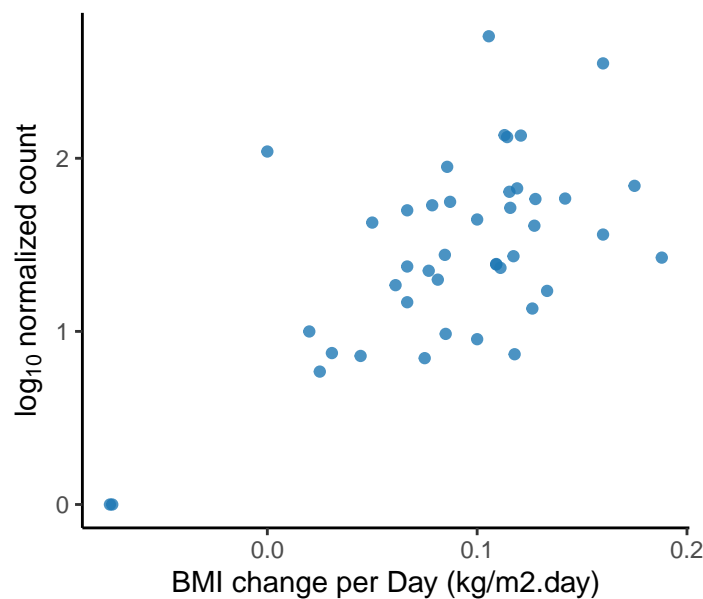
Unclassified Chromatiales Order

adjusted p = 0.00443



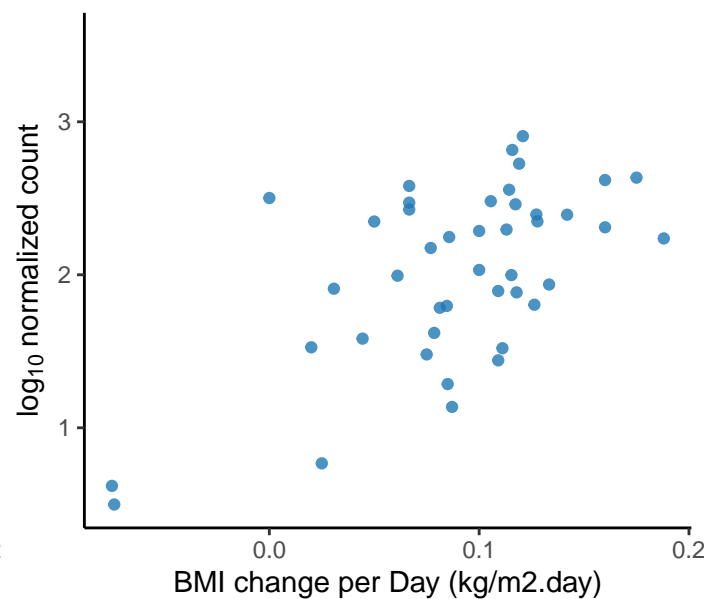
Halostella

adjusted p = 0.00453



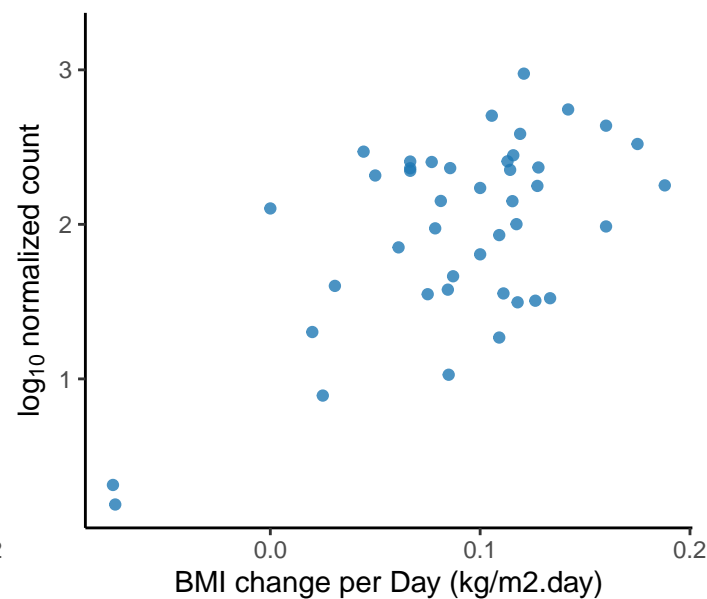
Streptacidiphilus

adjusted p = 0.00453



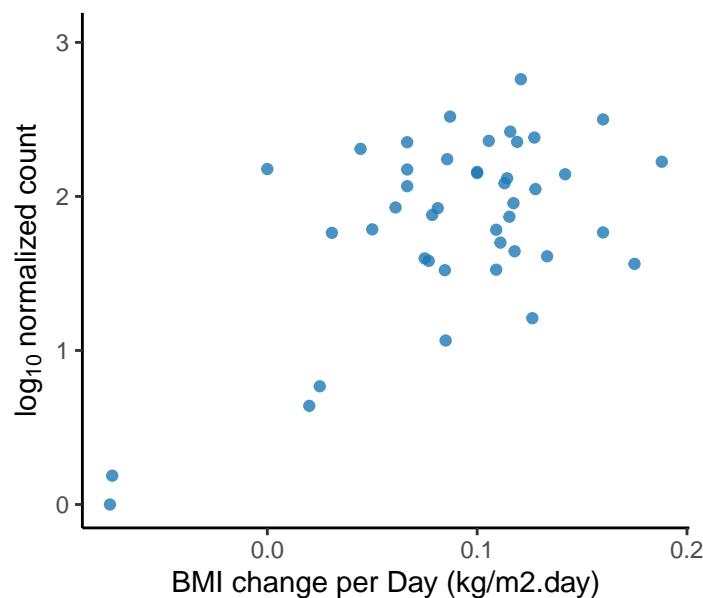
Thermomonospora

adjusted p = 0.00472



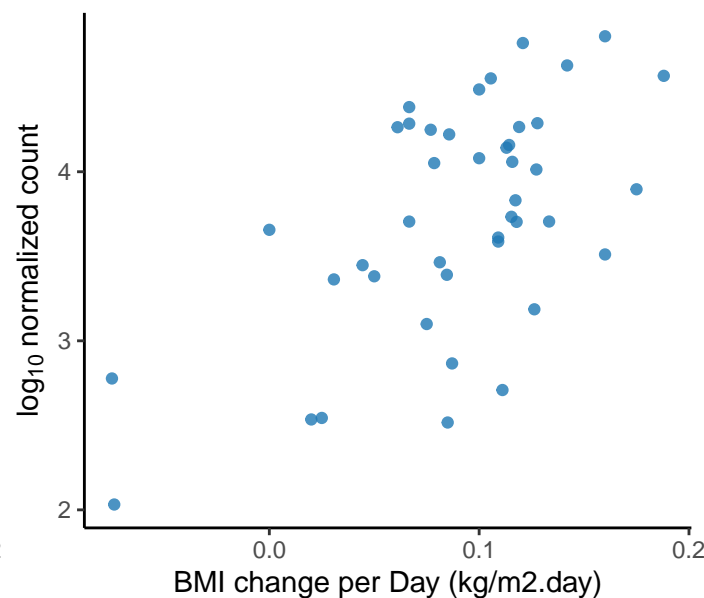
Paucibacter

adjusted p = 0.00651



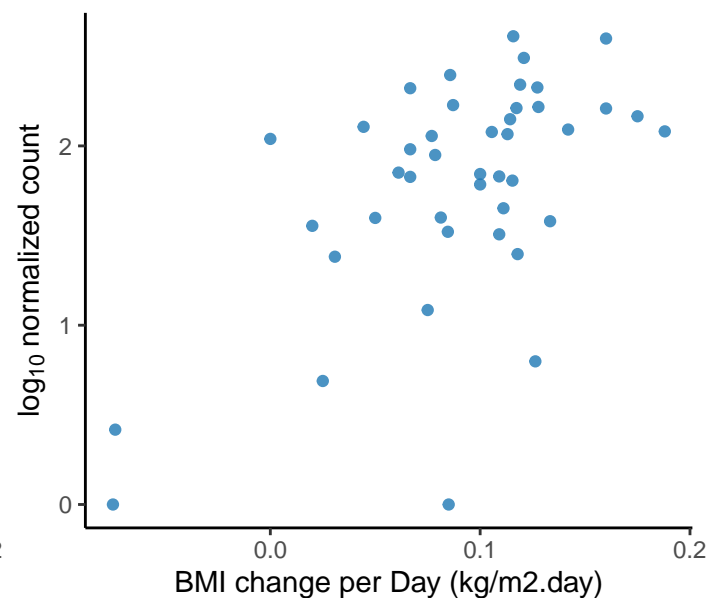
Intestinimonas

adjusted p = 0.0069



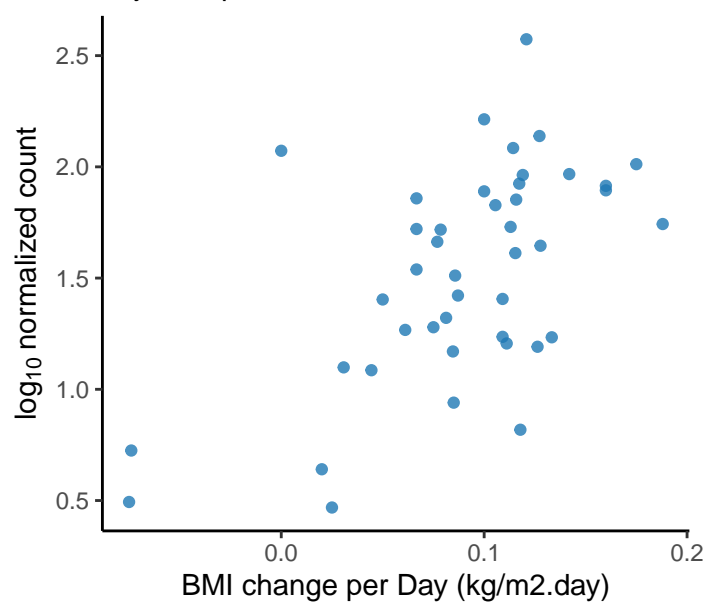
Leptothrix

adjusted p = 0.00776



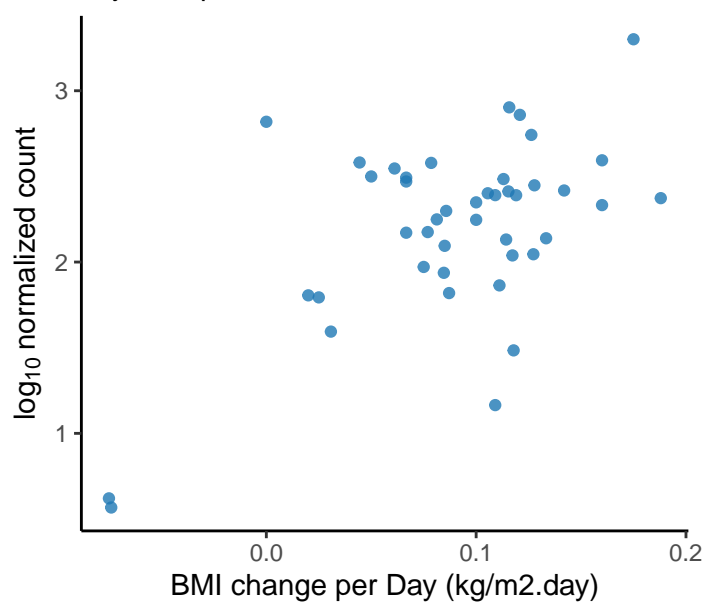
**Maricaulis**

adjusted p = 0.00776



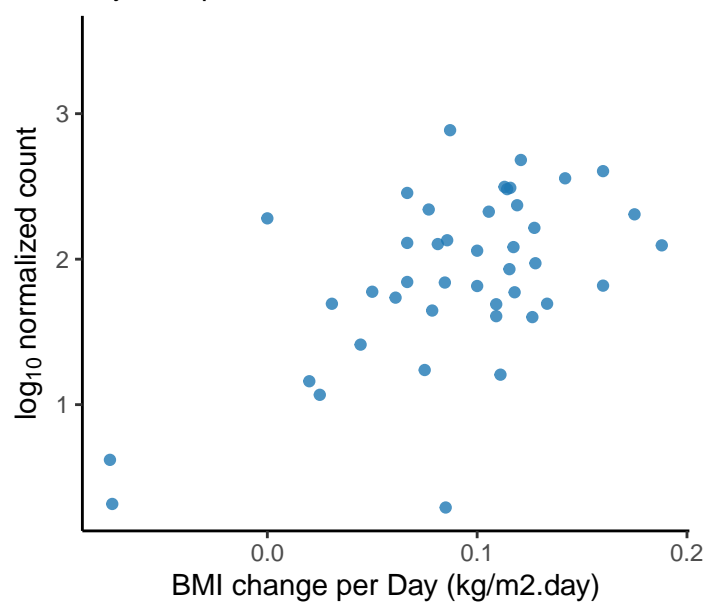
**Pusillimonas**

adjusted p = 0.00776



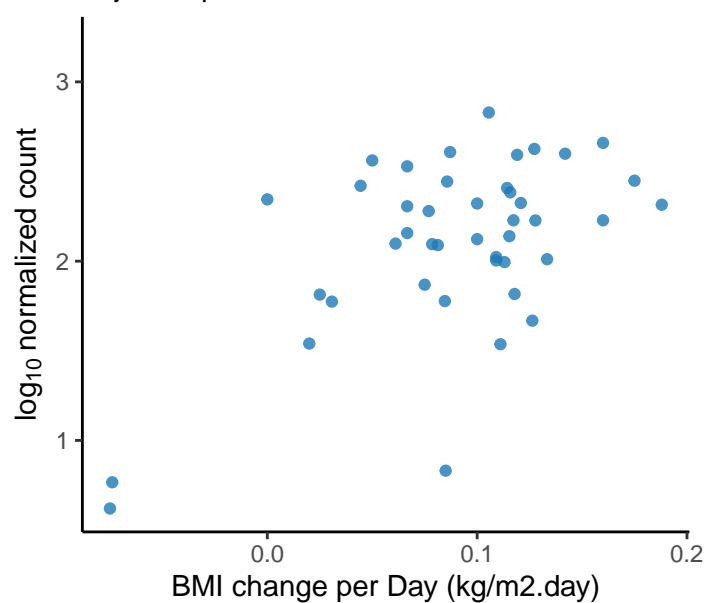
**Melaminivora**

adjusted p = 0.00874



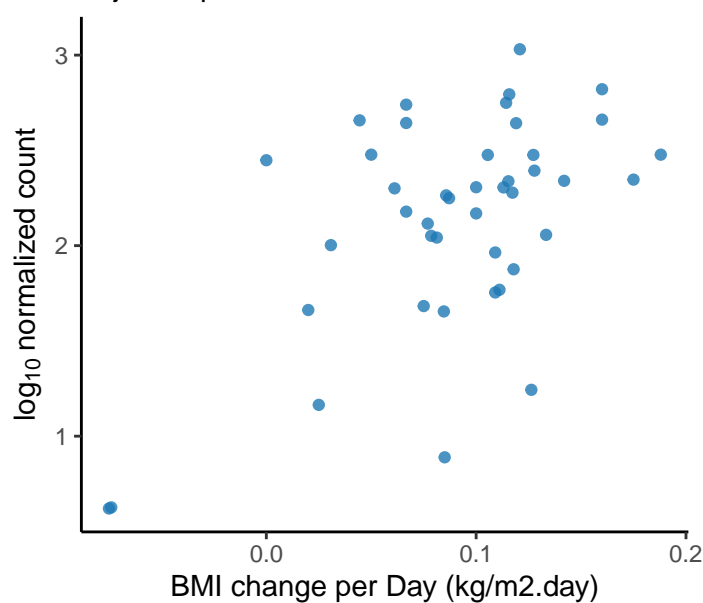
**Haloarcula**

adjusted p = 0.00882



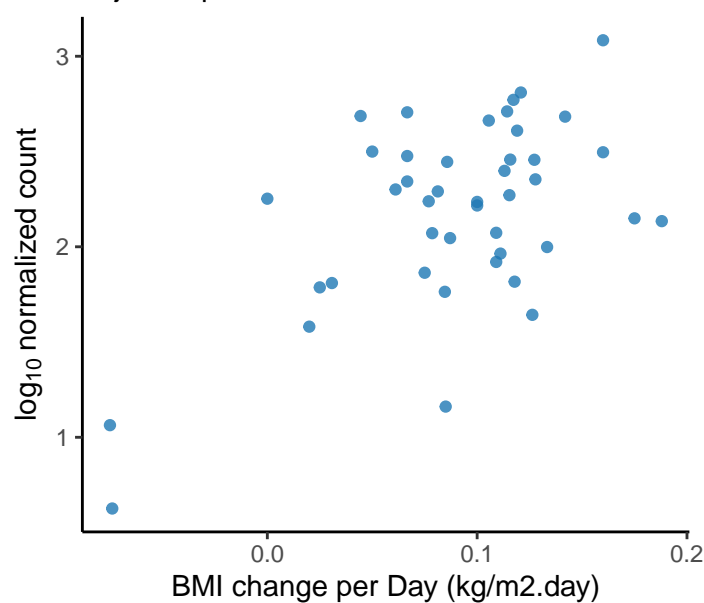
**Azospira**

adjusted p = 0.00891



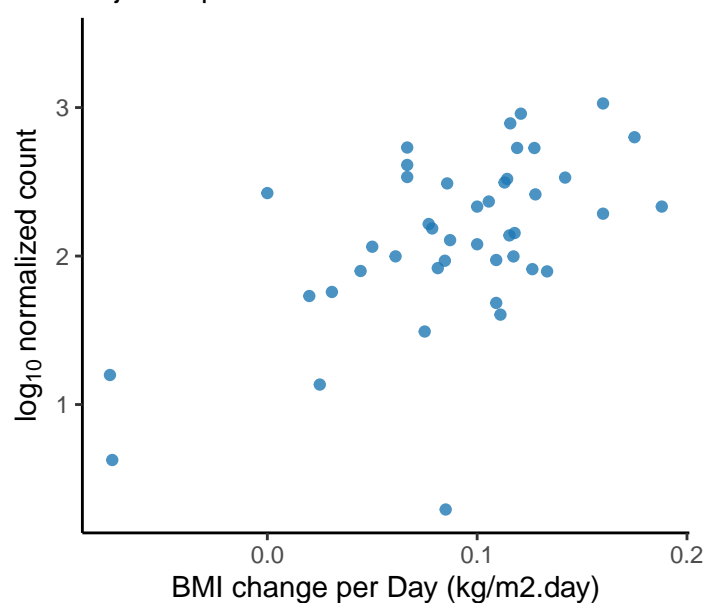
**Hyphomonas**

adjusted p = 0.00891



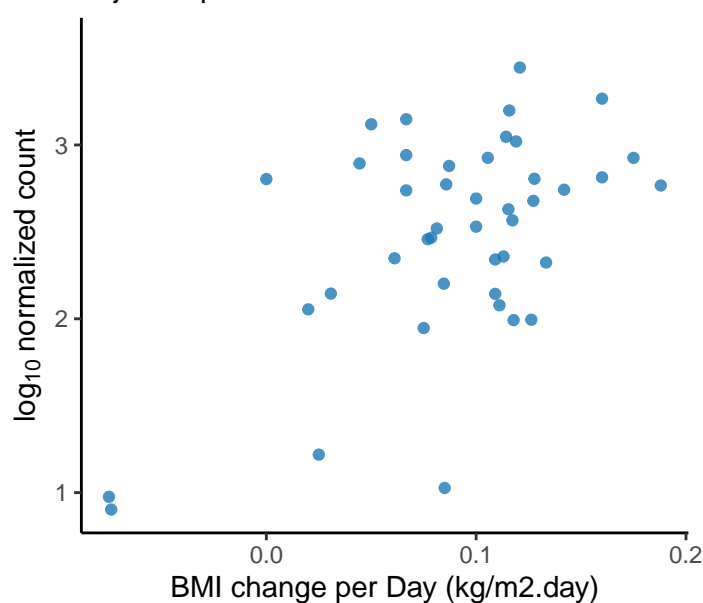
**Kutzneria**

adjusted p = 0.00891



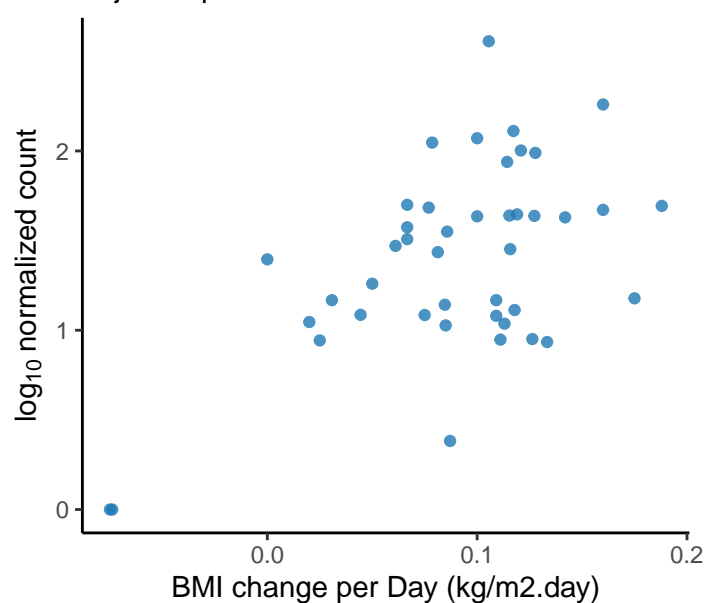
**Nocardiopsis**

adjusted p = 0.00891



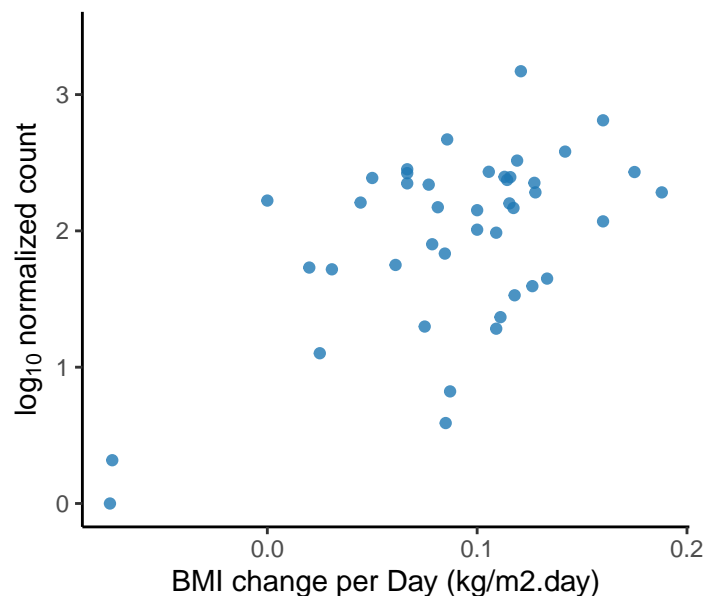
**Parvularcula**

adjusted p = 0.00891



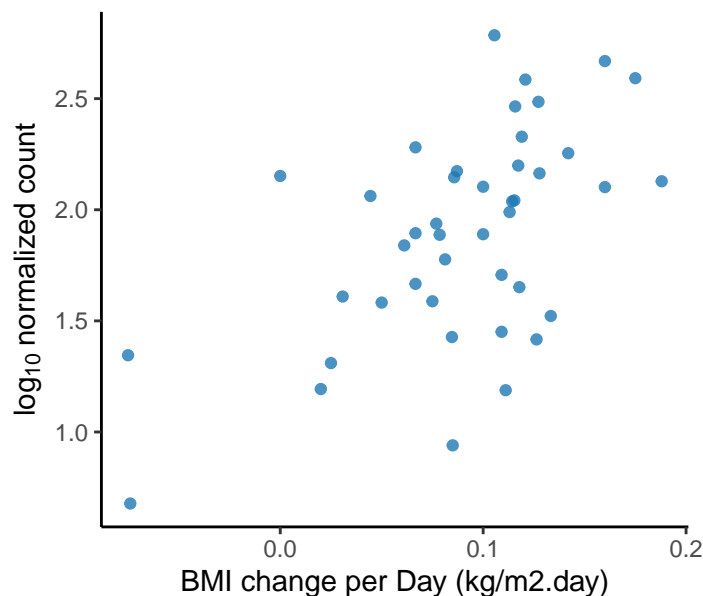
### Rubrivivax

adjusted p = 0.00891



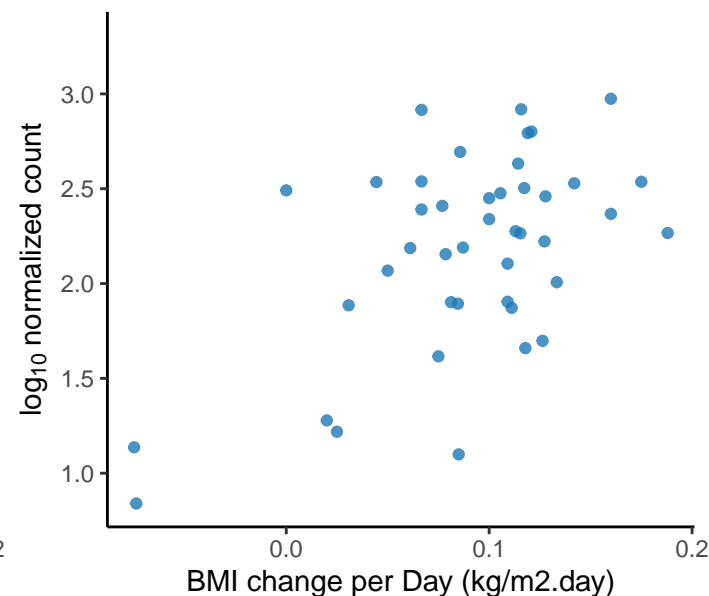
### Tardiphaga

adjusted p = 0.00891



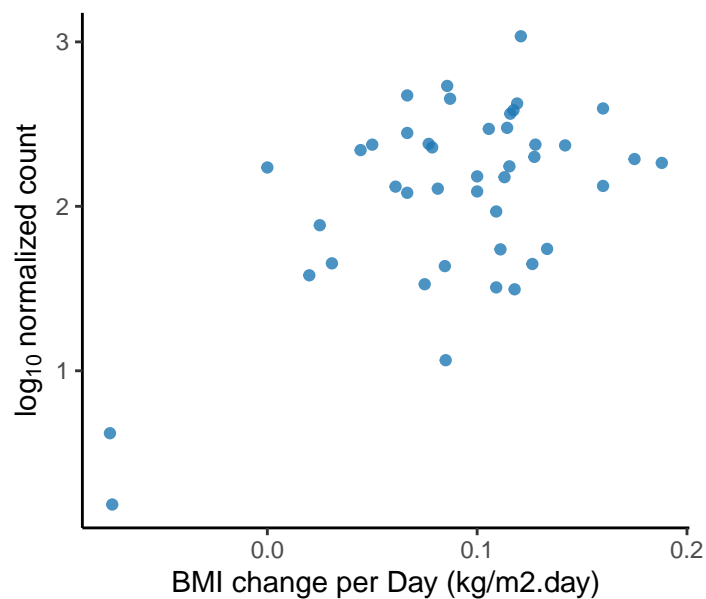
### Aquisphaera

adjusted p = 0.0091



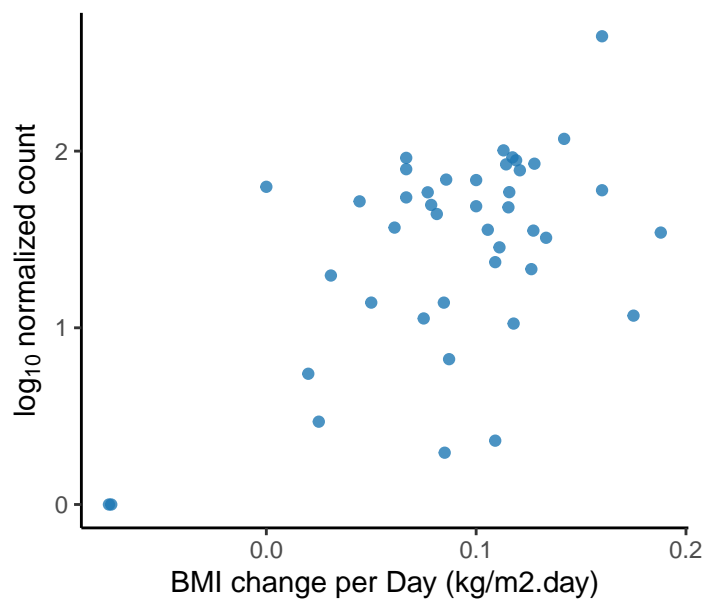
### Unclassified Caulobacteraceae Family

adjusted p = 0.0091



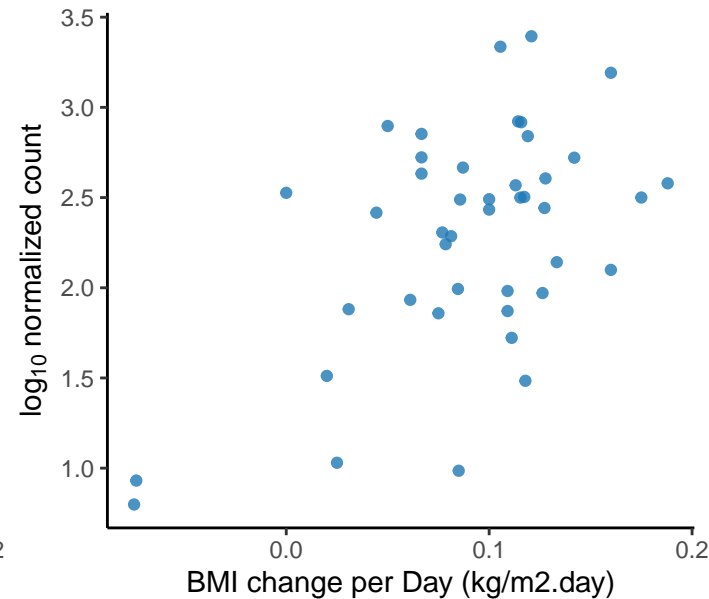
### Citromicrobium

adjusted p = 0.00963



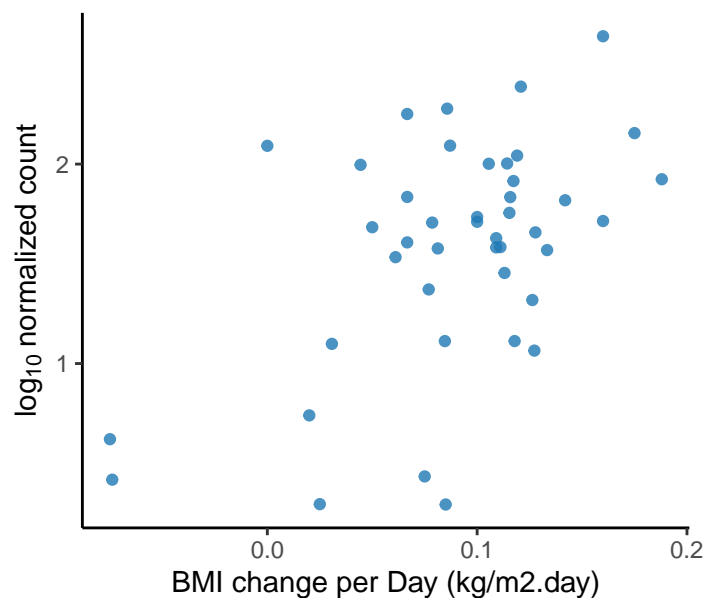
### Actinosynnema

adjusted p = 0.00968



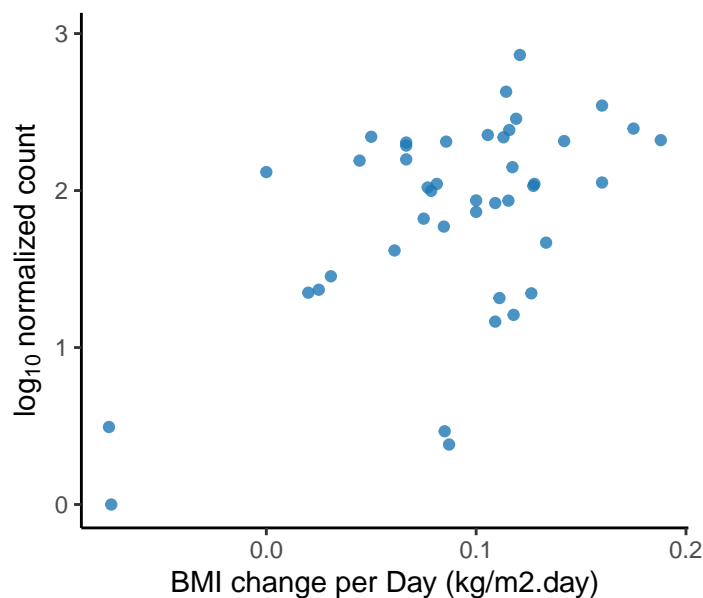
### Aerosticca

adjusted p = 0.00968



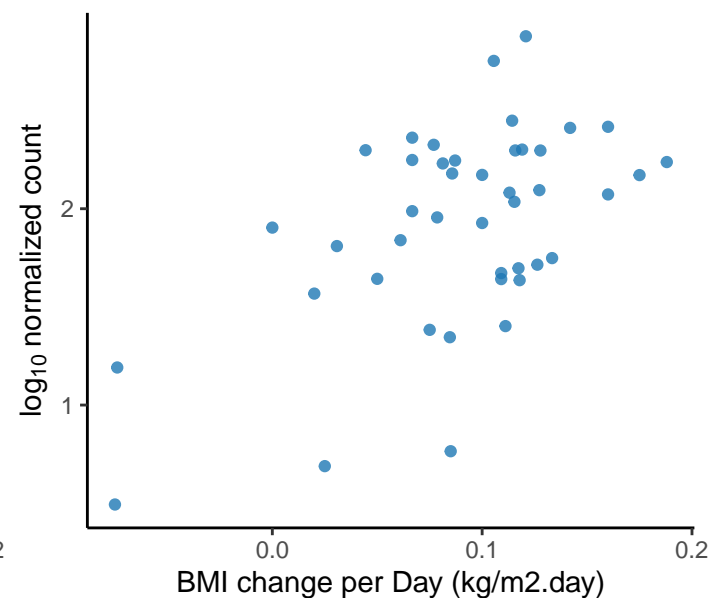
### Alkalilimnicola

adjusted p = 0.00968



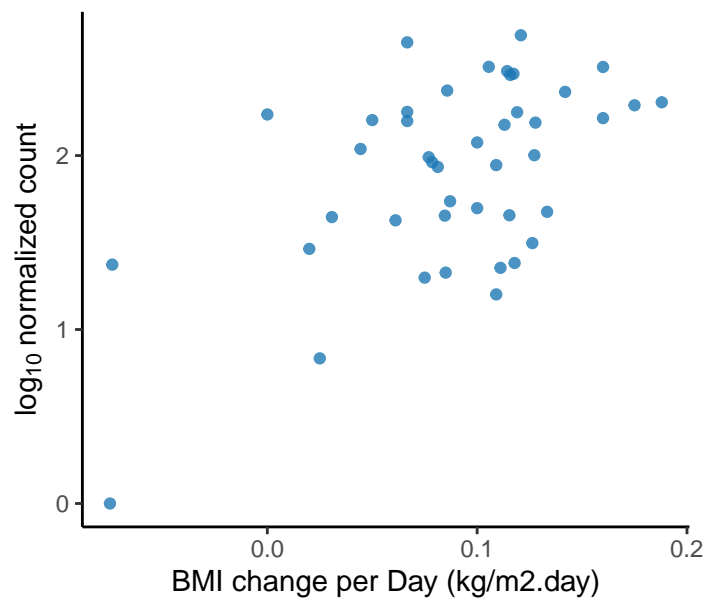
### Ammonifex

adjusted p = 0.00968

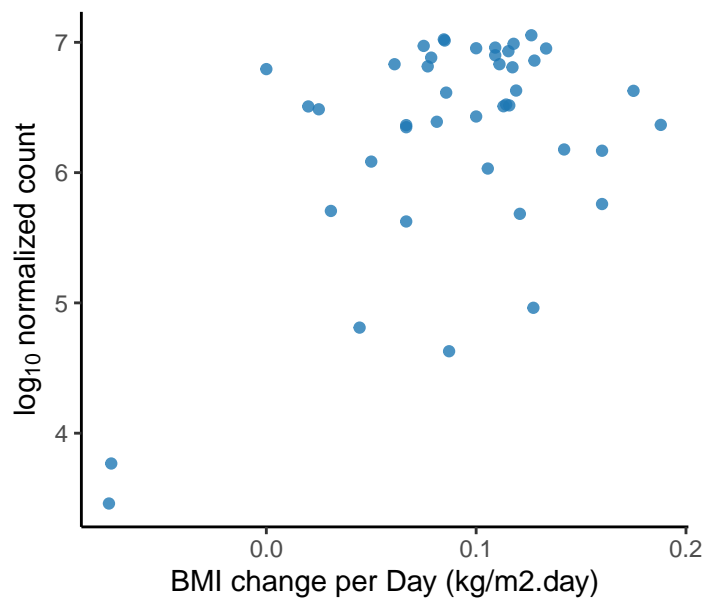


**Azorhizobium**

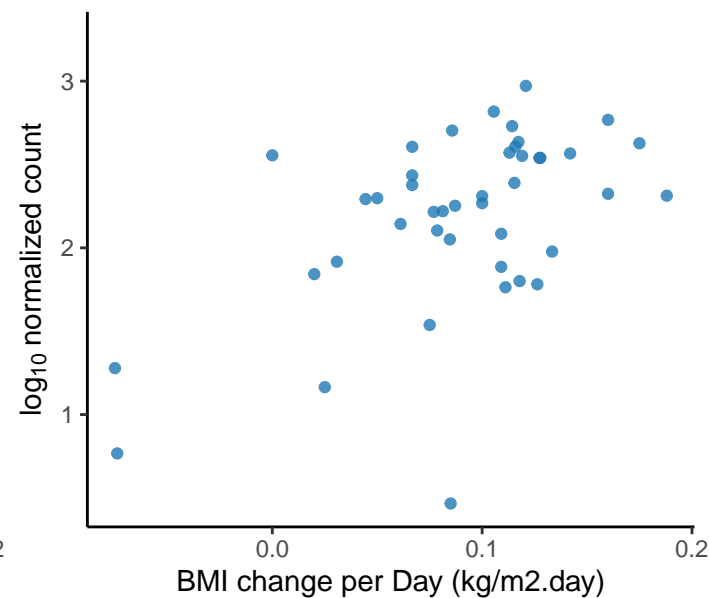
adjusted p = 0.00968

**Bacteroides**

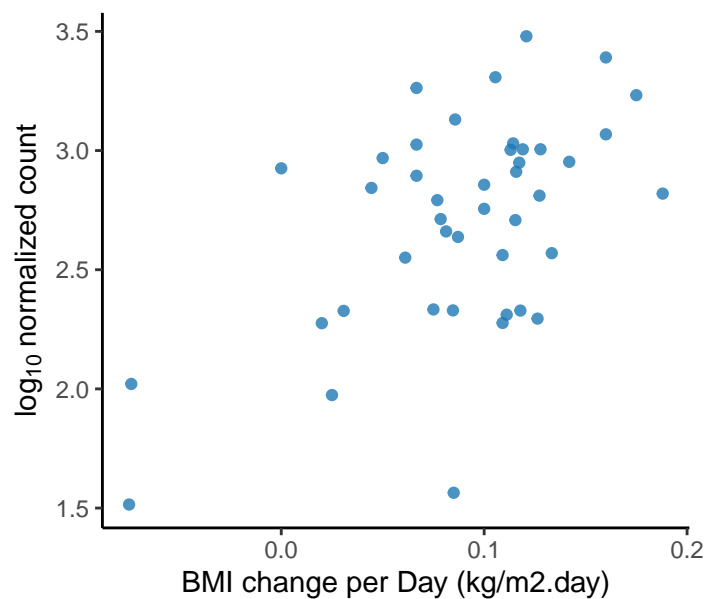
adjusted p = 0.00968

**Blastochloris**

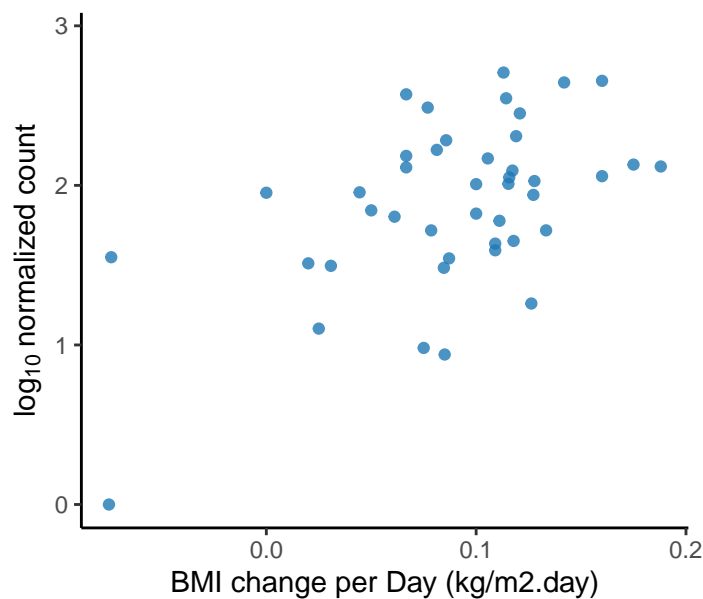
adjusted p = 0.00968

**Bosea**

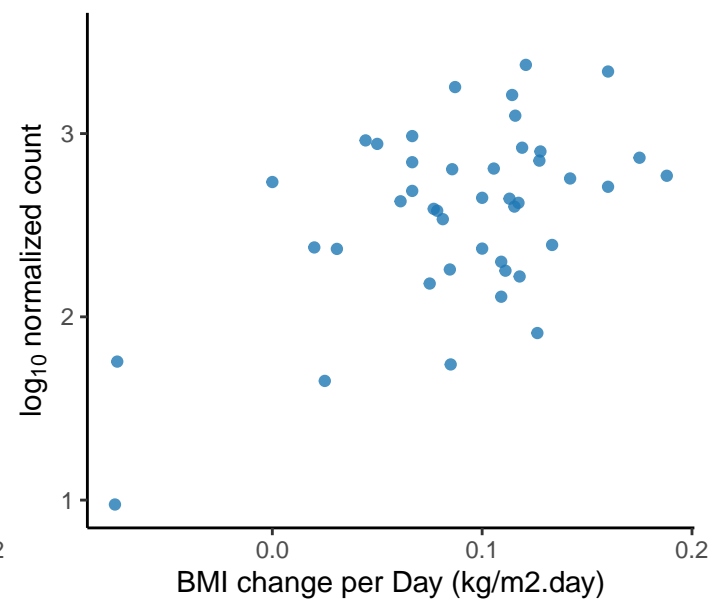
adjusted p = 0.00968

**Bradymonas**

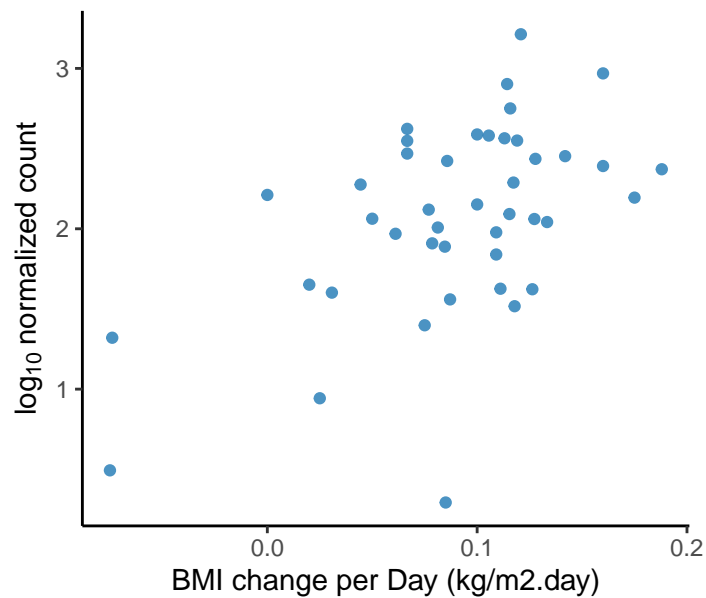
adjusted p = 0.00968

**Corallococcus**

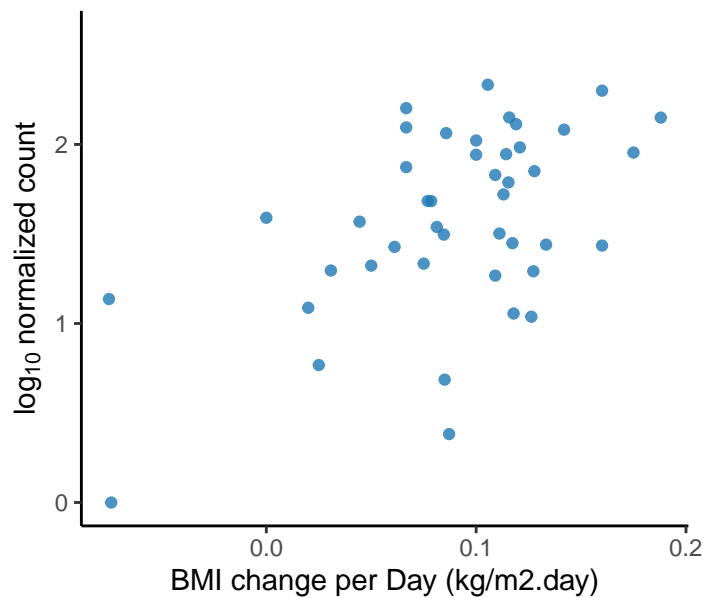
adjusted p = 0.00968

**Euzebya**

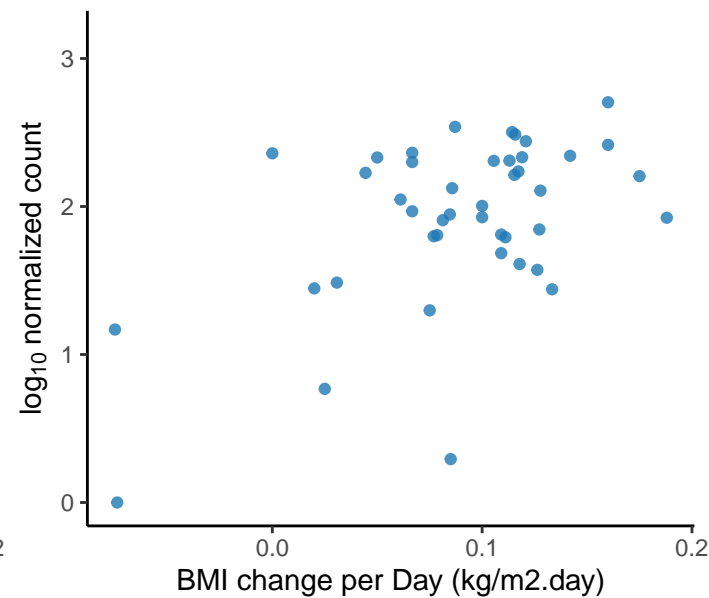
adjusted p = 0.00968

**Frateuria**

adjusted p = 0.00968

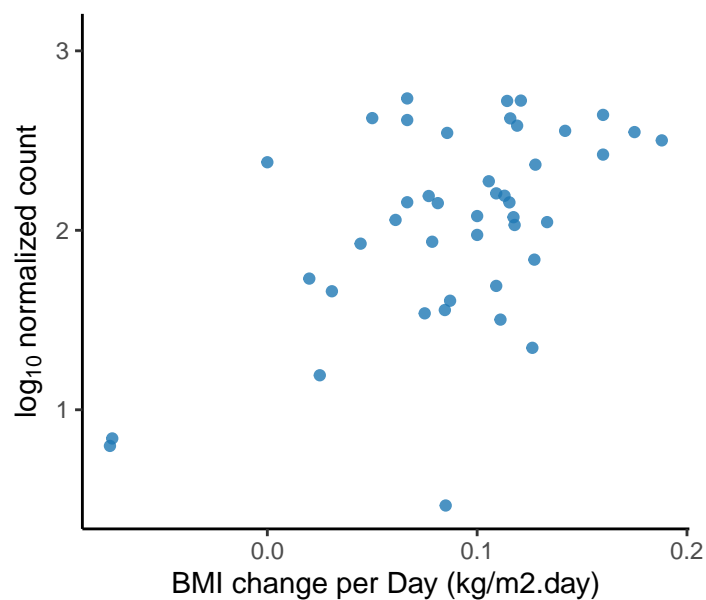
**Haloactinobacterium**

adjusted p = 0.00968



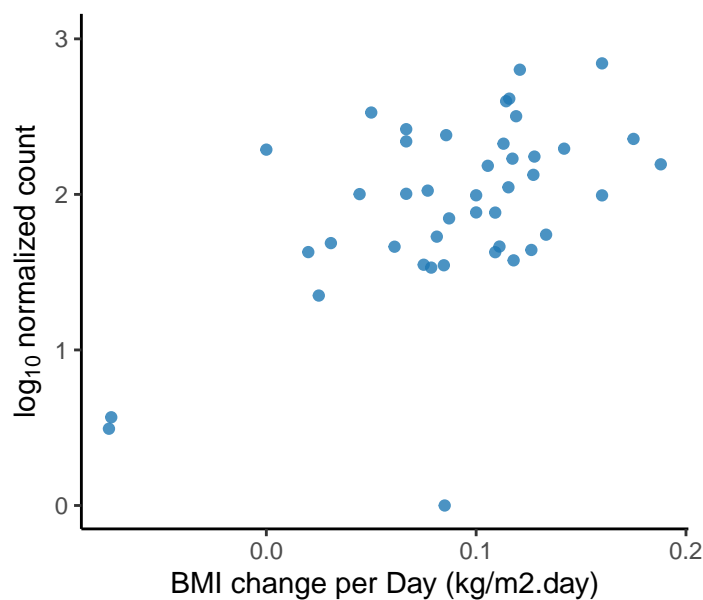
**Kibdelosporangium**

adjusted p = 0.00968



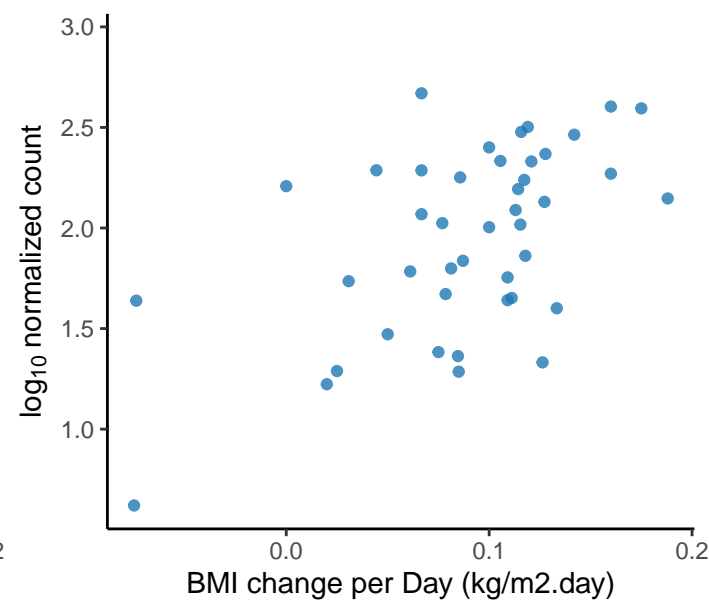
**Kribbella**

adjusted p = 0.00968



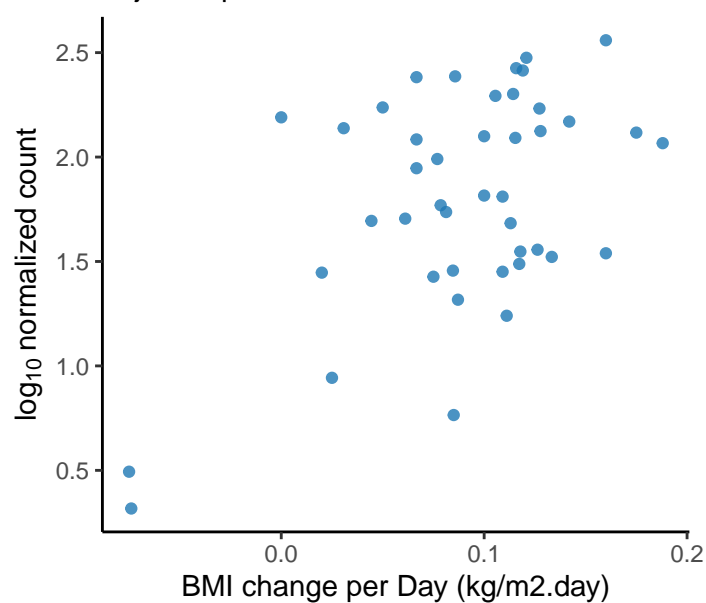
**Marichromatium**

adjusted p = 0.00968



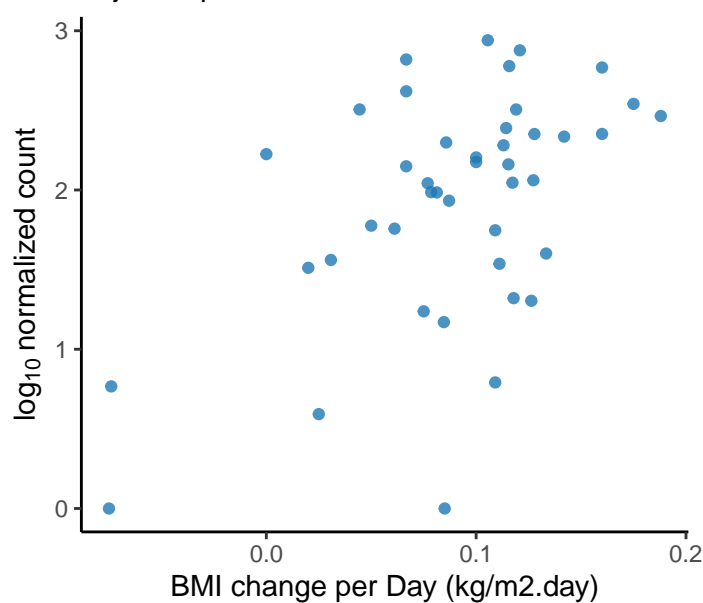
**Methanotherx**

adjusted p = 0.00968



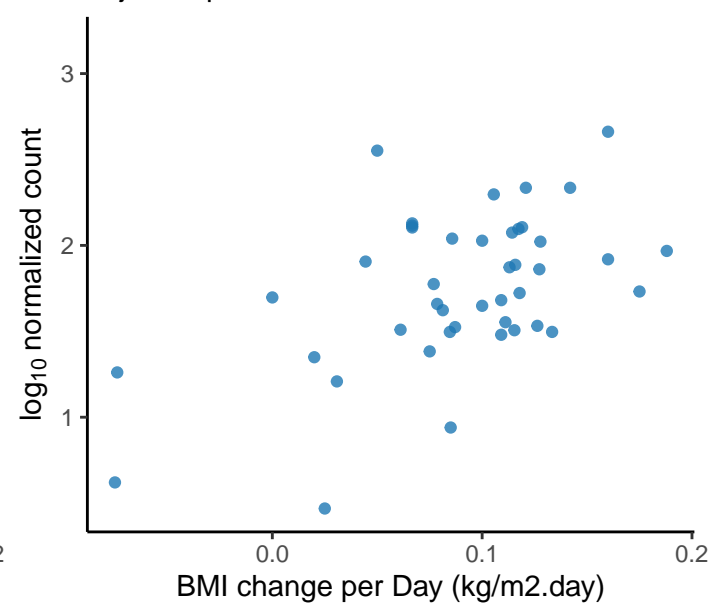
**Modestobacter**

adjusted p = 0.00968



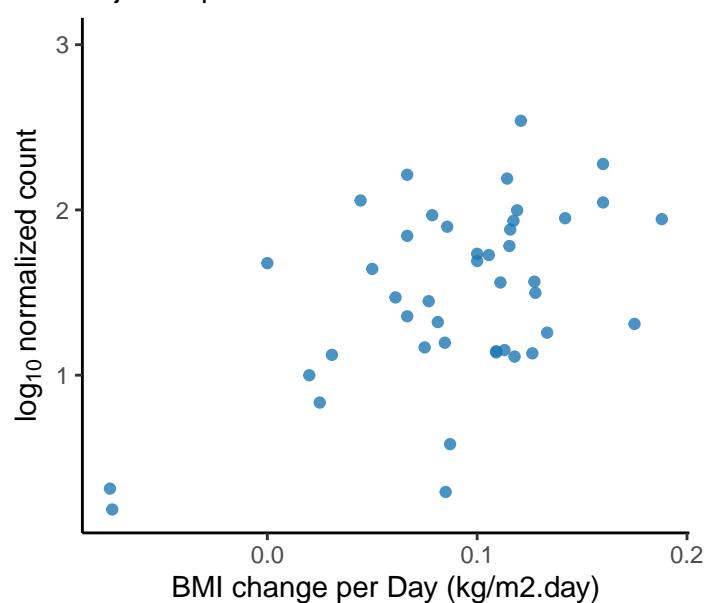
**Monaibacterium**

adjusted p = 0.00968



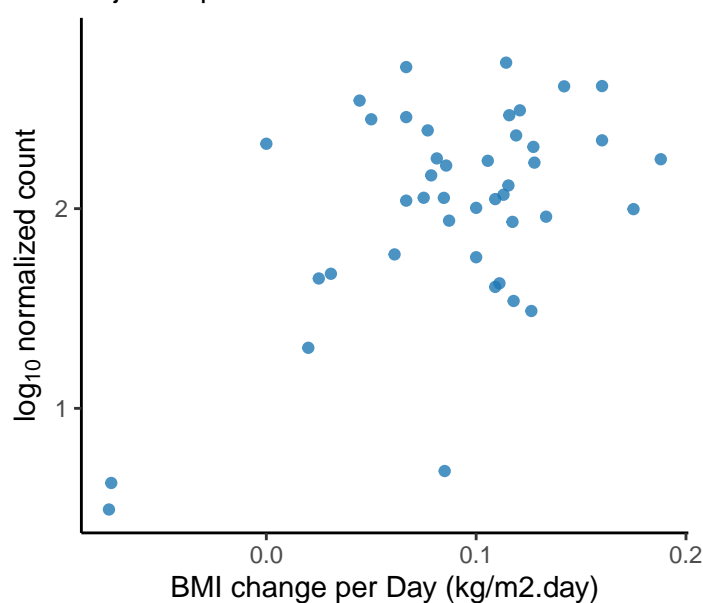
**Neoasaia**

adjusted p = 0.00968



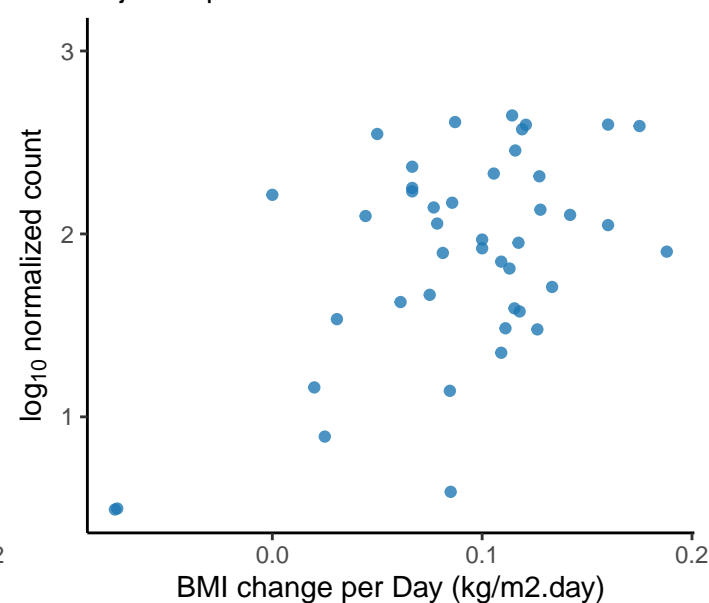
**Nordella**

adjusted p = 0.00968



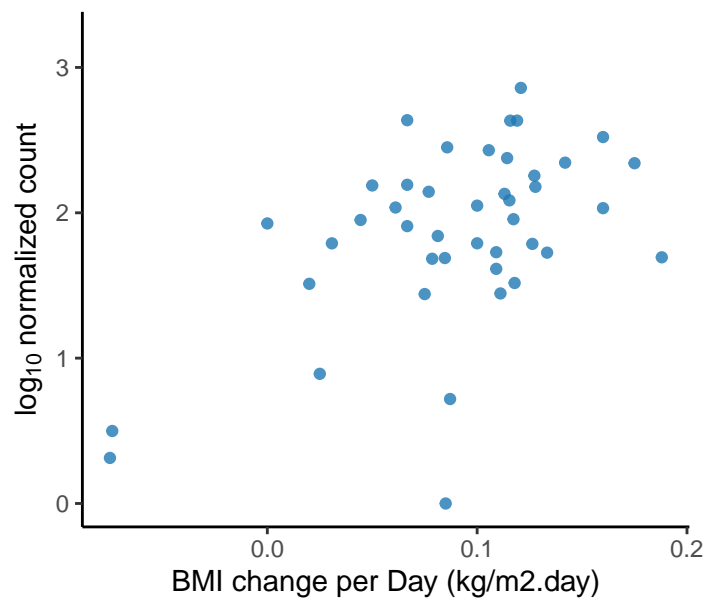
**Oceanithermus**

adjusted p = 0.00968



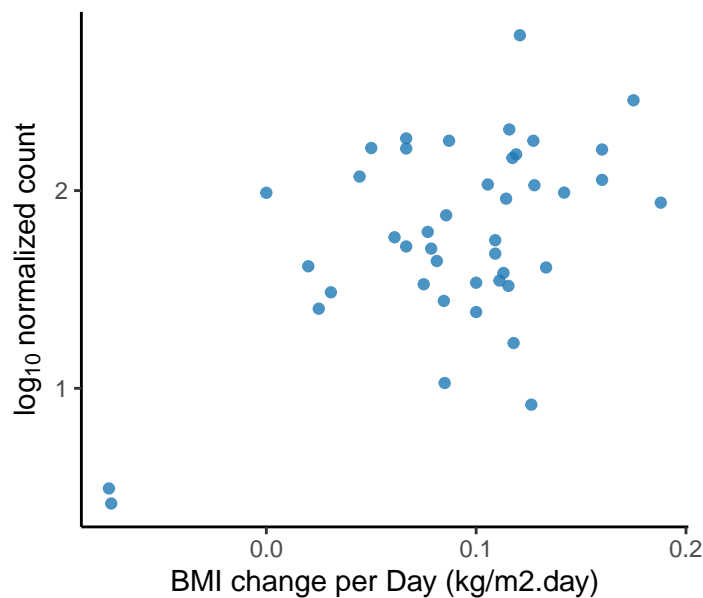
### Paludisphaera

adjusted p = 0.00968



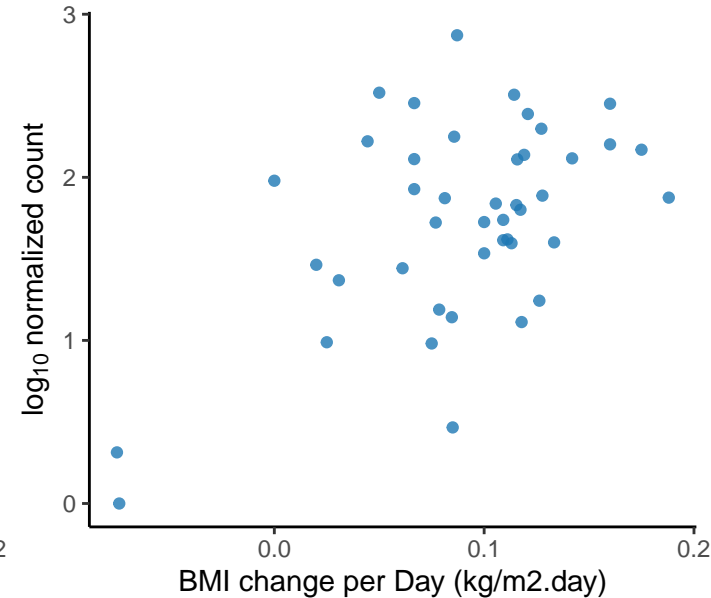
### Polymorphum

adjusted p = 0.00968



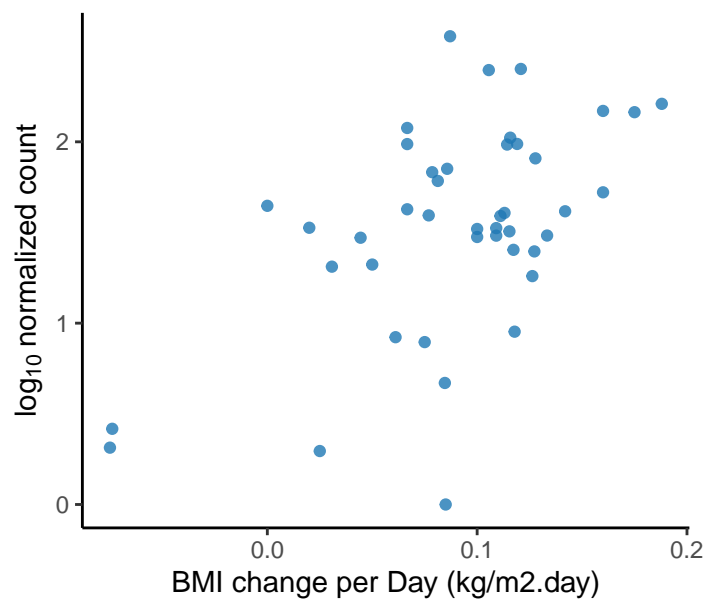
### Prauserella

adjusted p = 0.00968



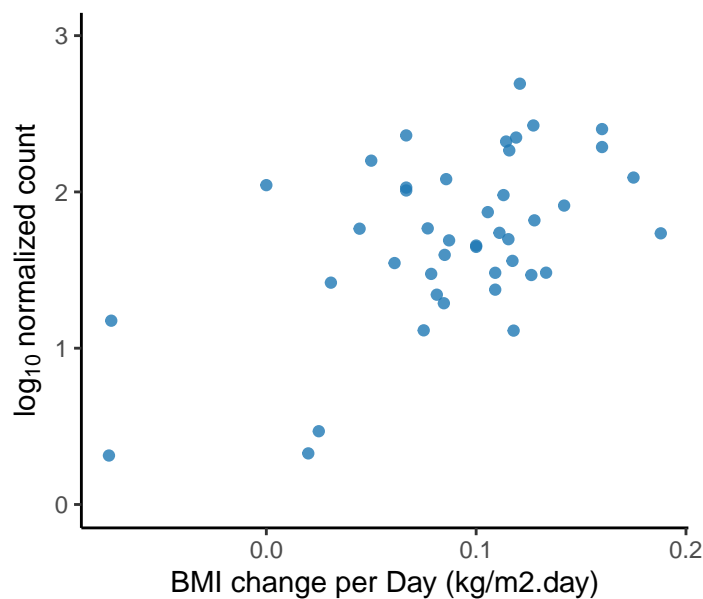
### Protaetiibacter

adjusted p = 0.00968



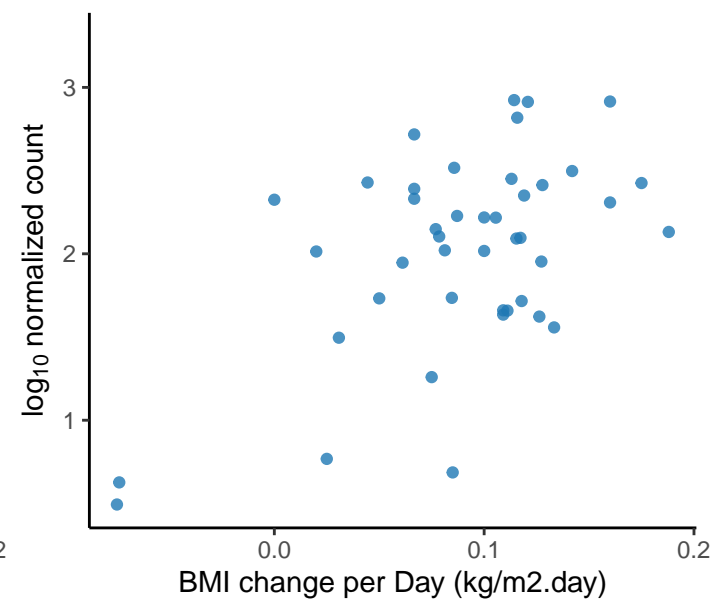
### Pulveribacter

adjusted p = 0.00968



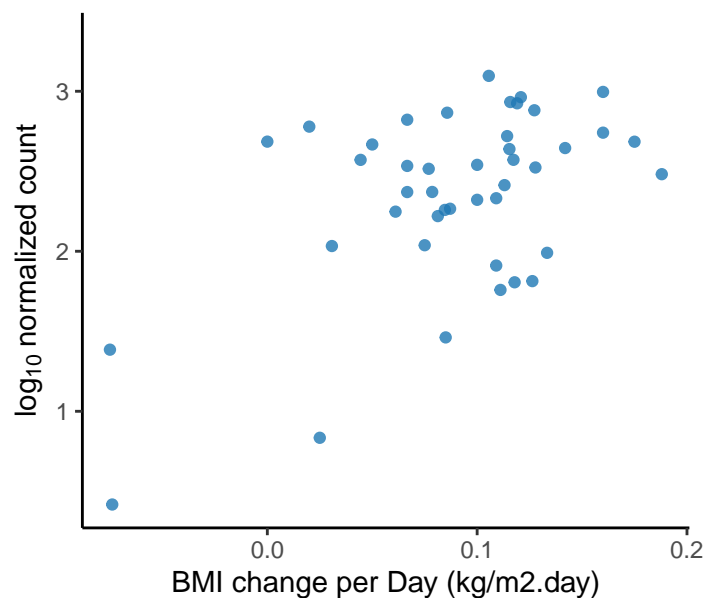
### Rhizobacter

adjusted p = 0.00968



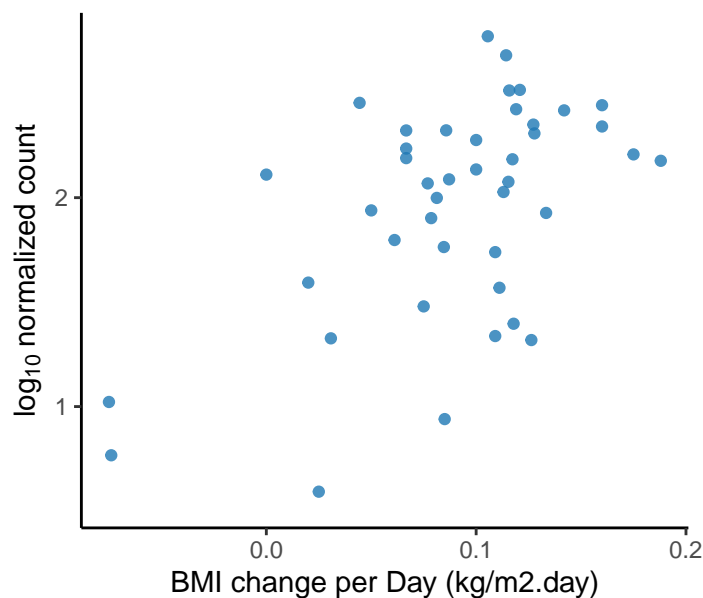
### Rhodothermus

adjusted p = 0.00968



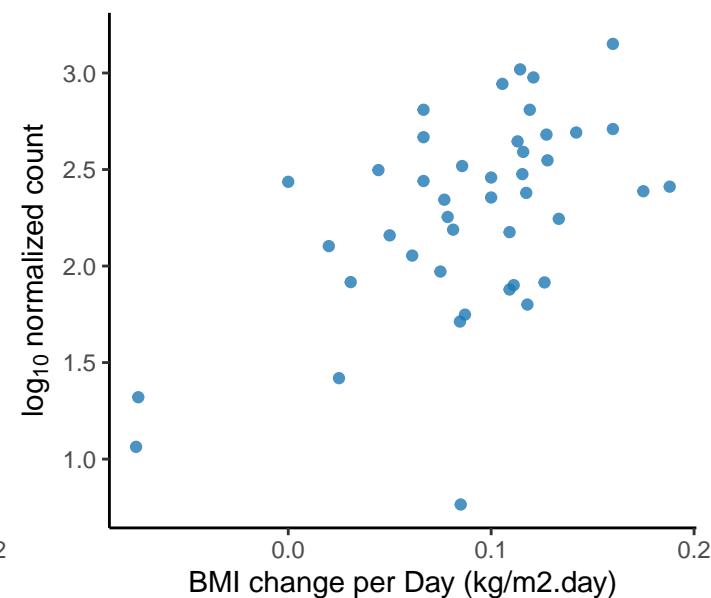
### Roseateles

adjusted p = 0.00968



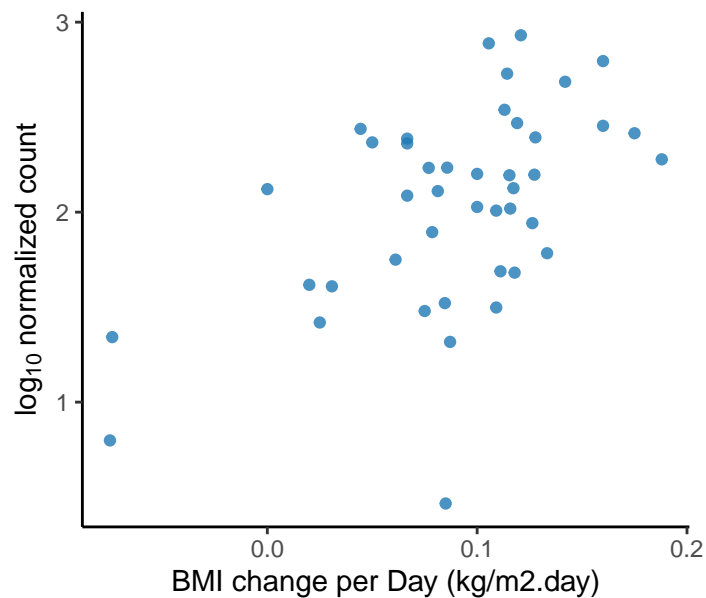
### Roseomonas

adjusted p = 0.00968



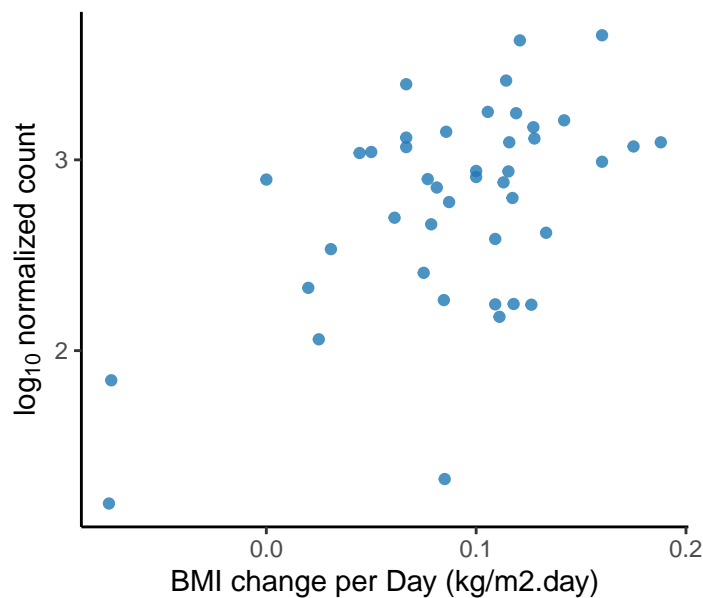
### Salinispora

adjusted p = 0.00968



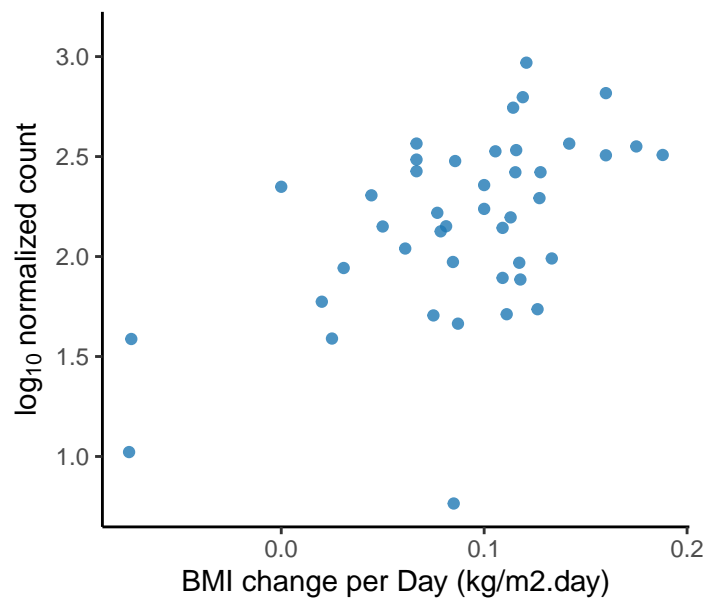
### Thermaerobacter

adjusted p = 0.00968



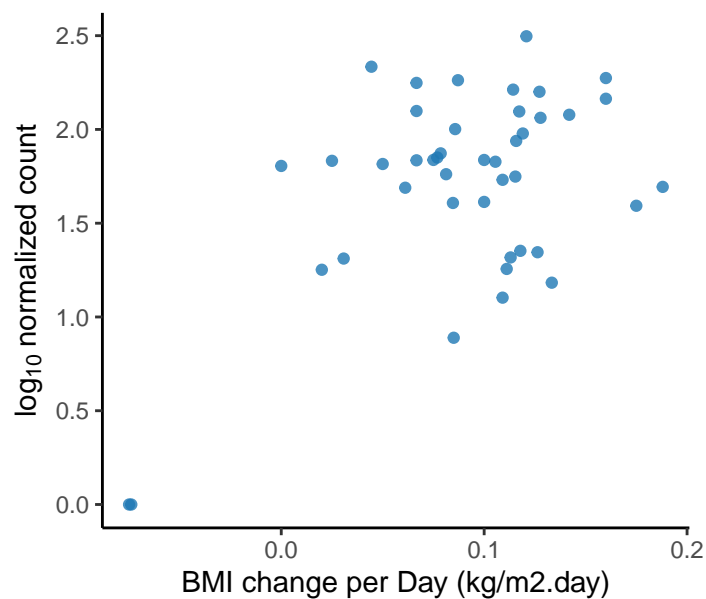
### Thermanaerovibrio

adjusted p = 0.00968



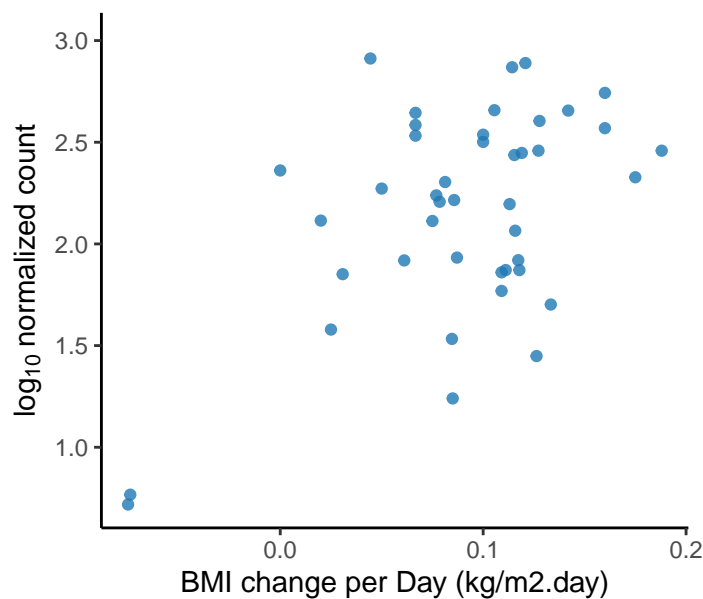
### Thermochromatium

adjusted p = 0.00968



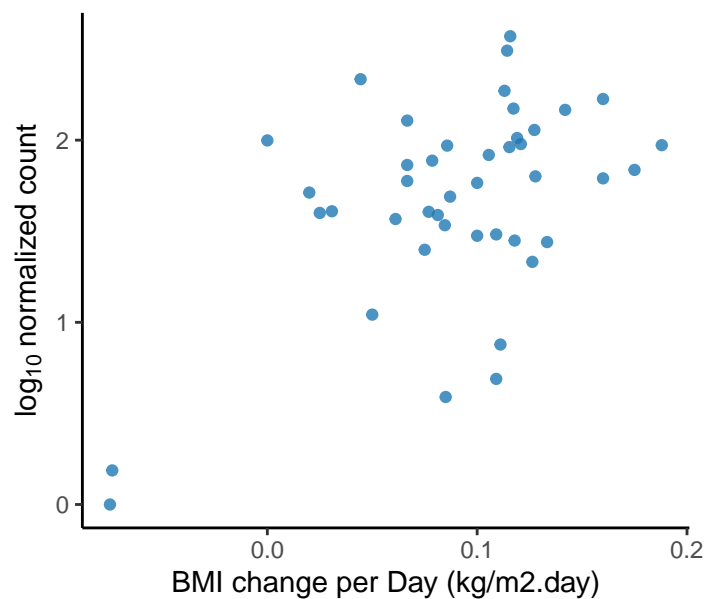
### Thermosediminibacter

adjusted p = 0.00968



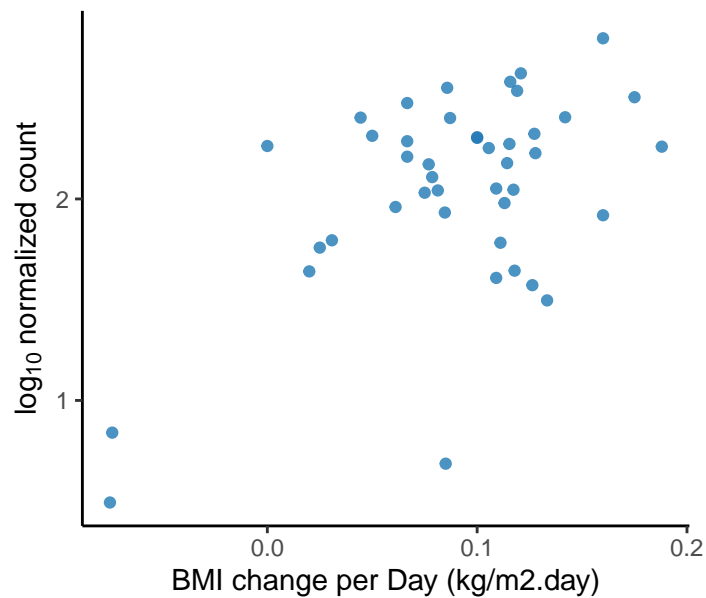
### Tuwongella

adjusted p = 0.00968



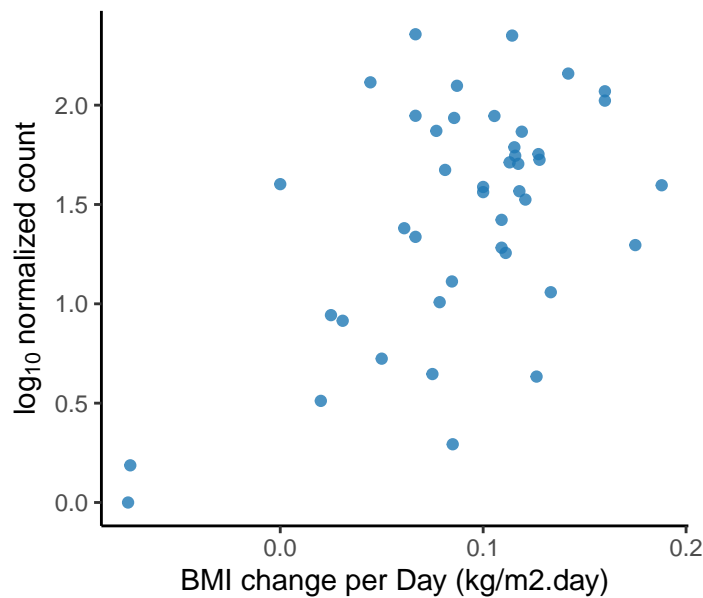
### Unclassified Halobacteria Class

adjusted p = 0.00968



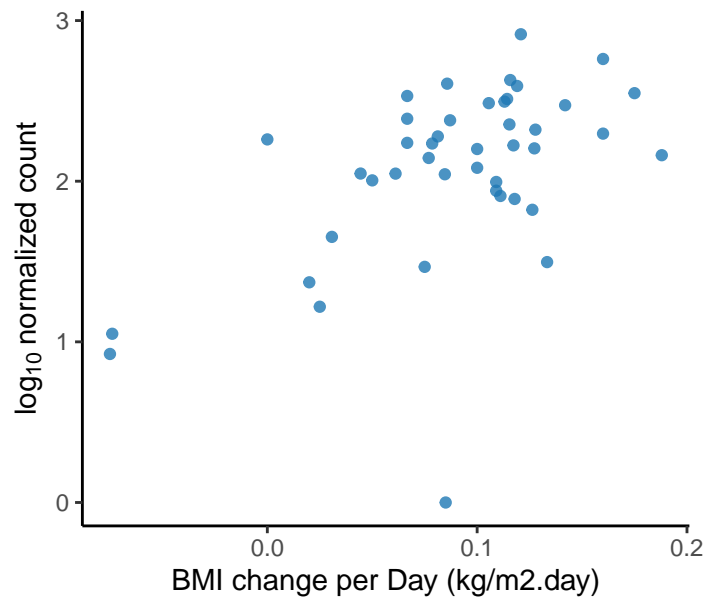
### Unclassified Haloferacales Order

adjusted p = 0.00968



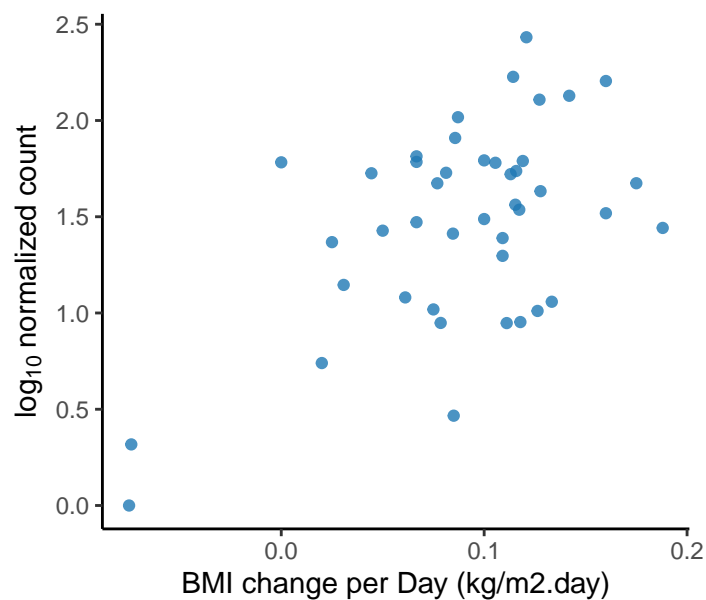
### Unclassified Methylobacteriaceae Family

adjusted p = 0.00968



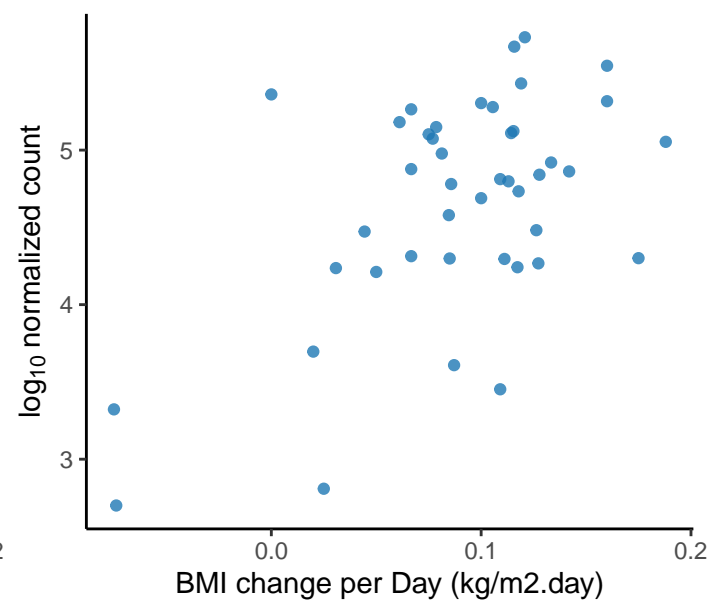
Unclassified Natrialbaceae Family

adjusted p = 0.00968



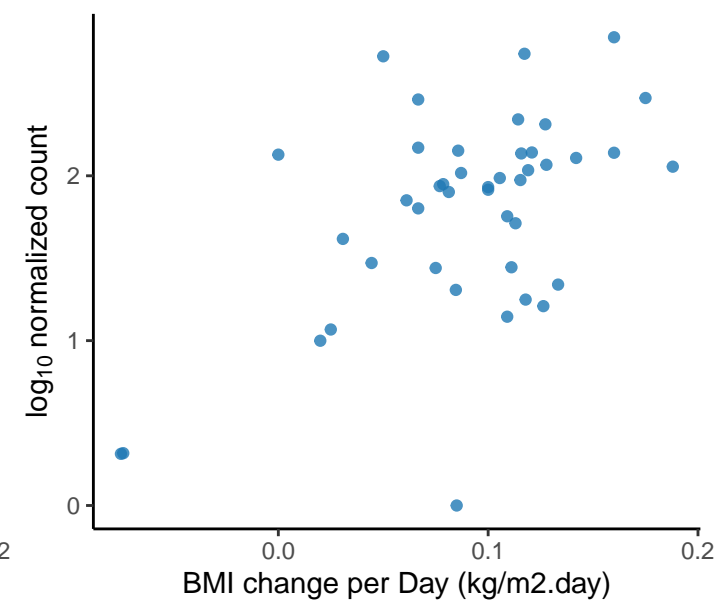
Unclassified Oscillospiraceae Family

adjusted p = 0.00968



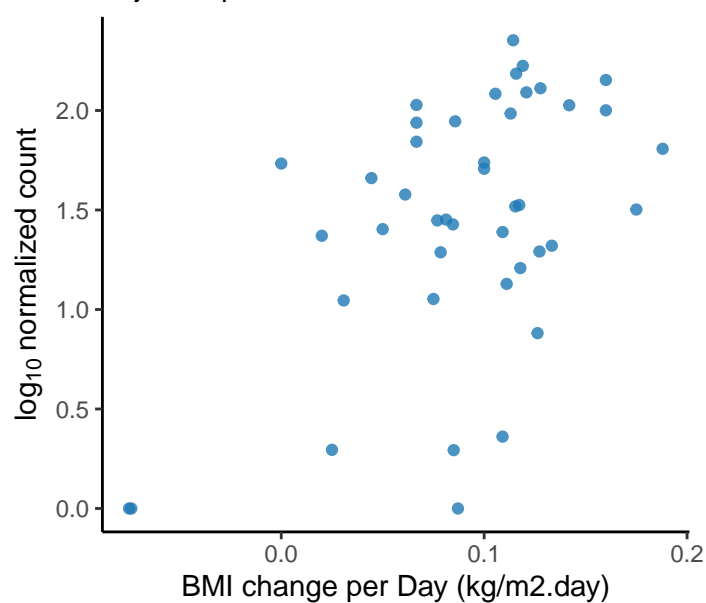
Unclassified Rhodospirillaceae Family

adjusted p = 0.00968



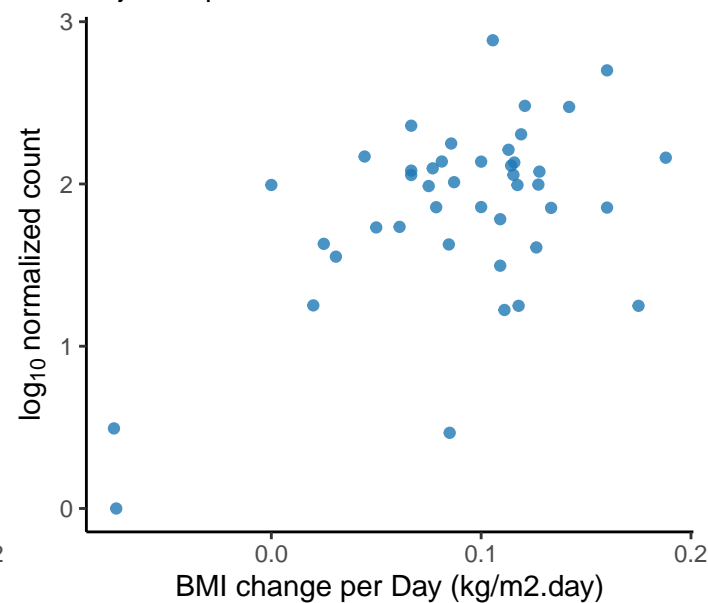
Unclassified Synechococcaceae Family

adjusted p = 0.00968



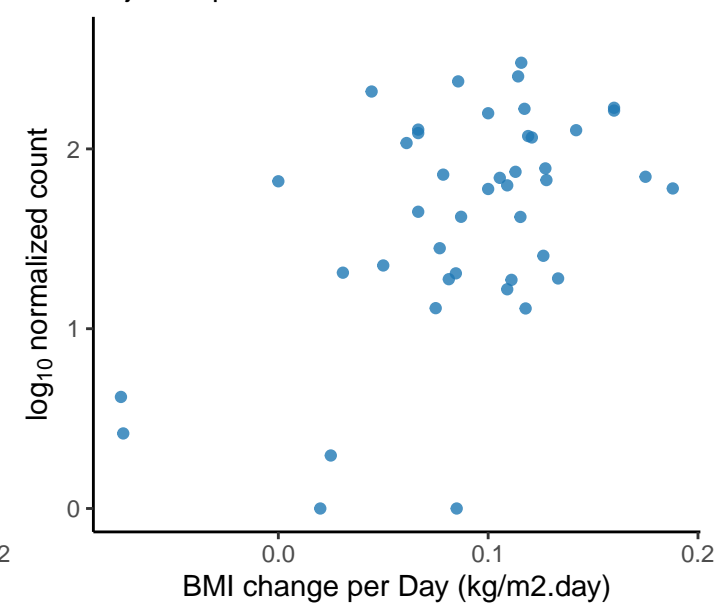
Unclassified Thermoplasmatales Order

adjusted p = 0.00968



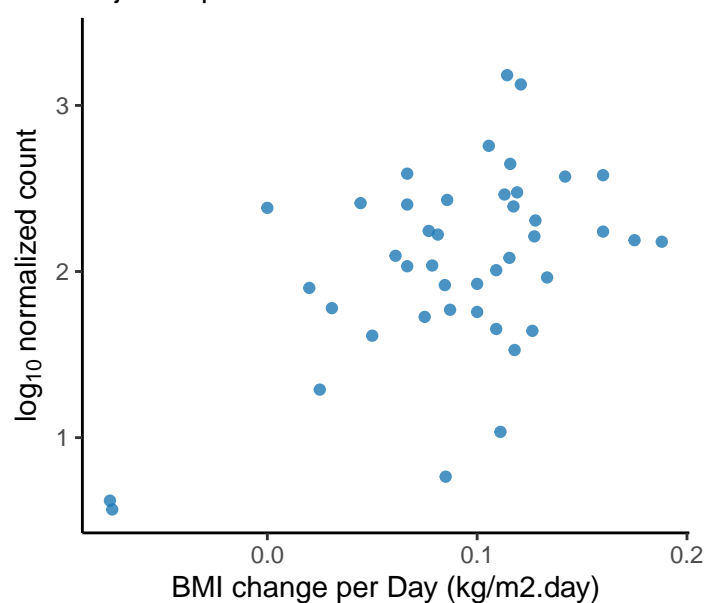
Wenzhouxiangella

adjusted p = 0.00968



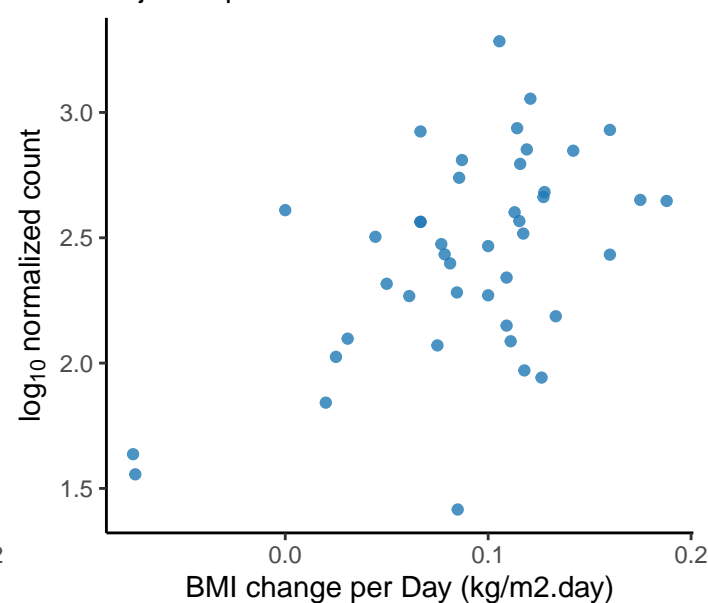
Xylophilus

adjusted p = 0.00968



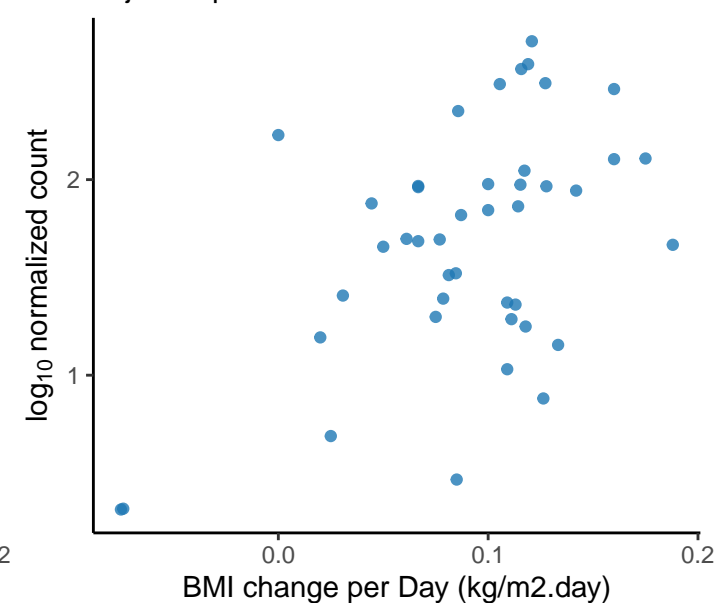
Chlorobaculum

adjusted p = 0.00973



Halorussus

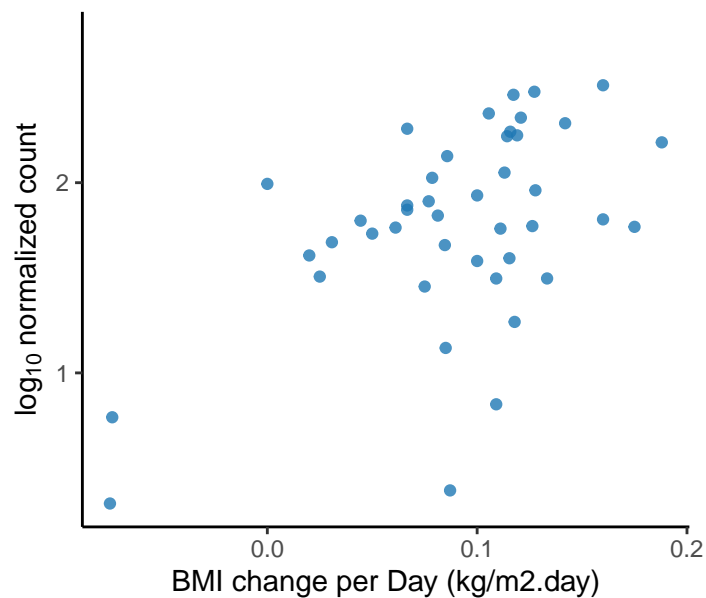
adjusted p = 0.00973





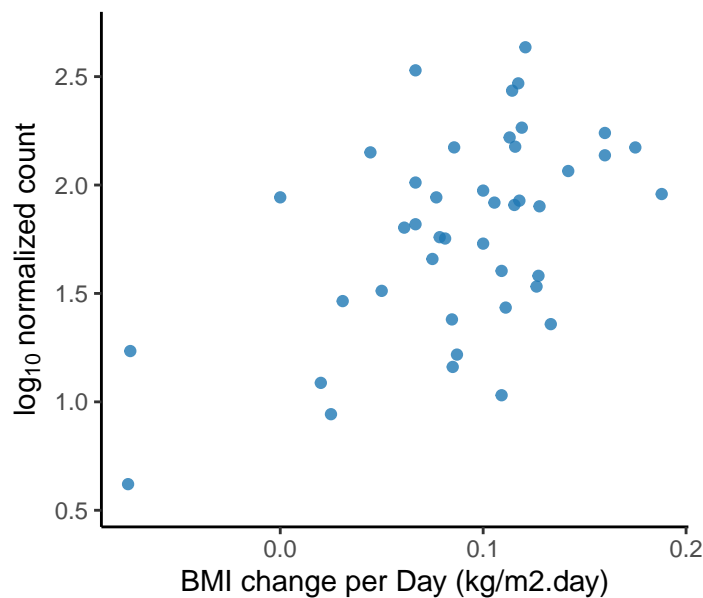
### Limnohabitans

adjusted p = 0.00973



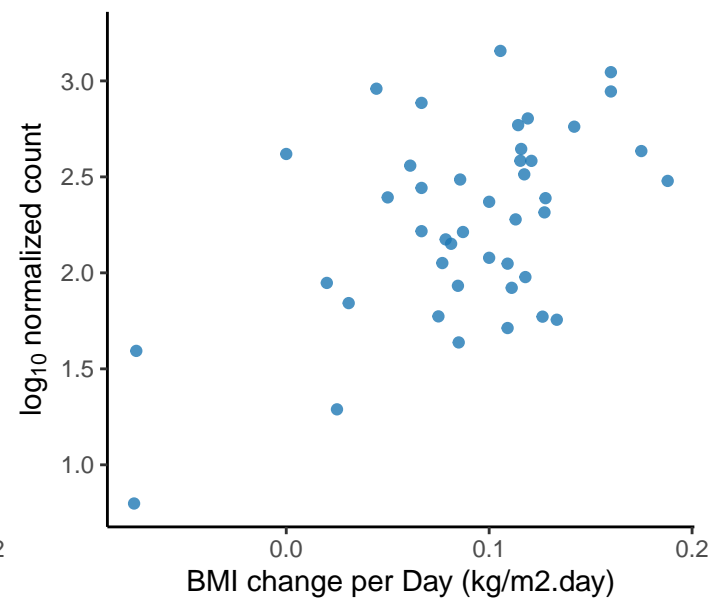
### Sulfuricaulis

adjusted p = 0.00973



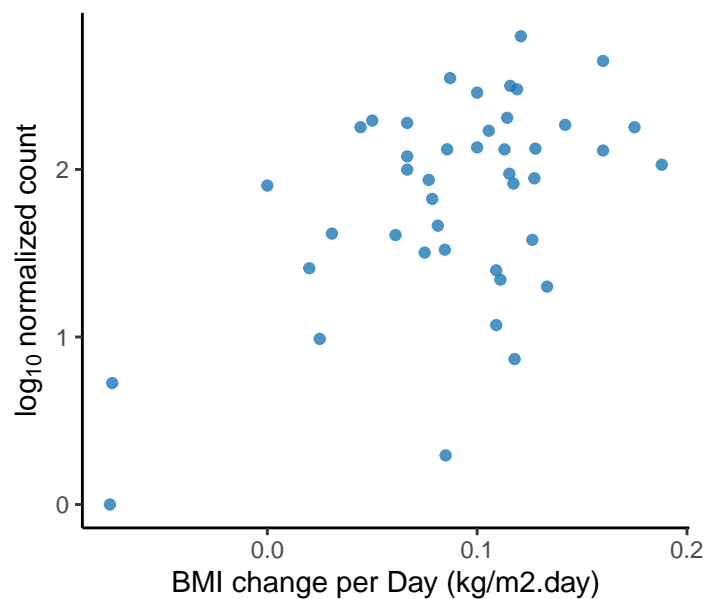
### Unclassified Opitutaceae Family

adjusted p = 0.00973



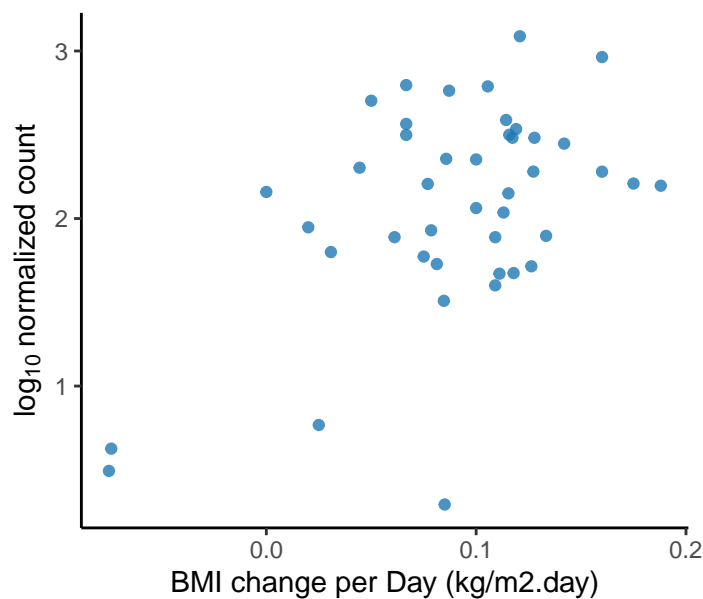
### Blastomonas

adjusted p = 0.00975



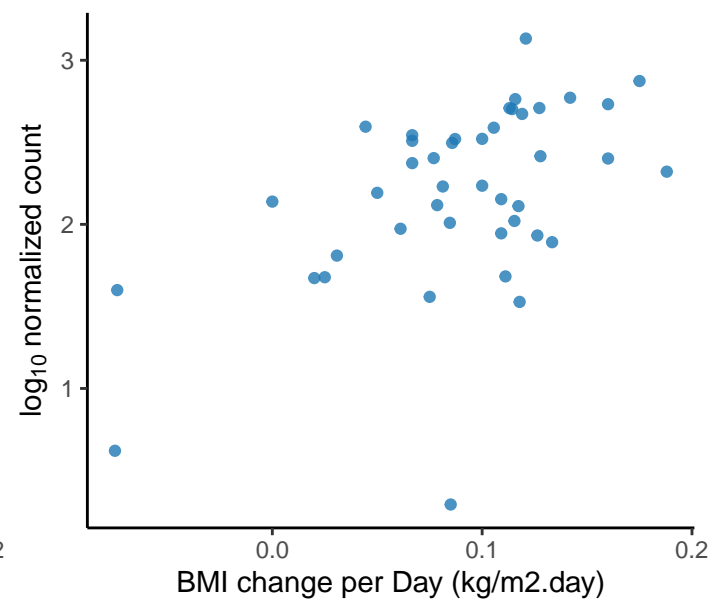
### Stackebrandtia

adjusted p = 0.0101



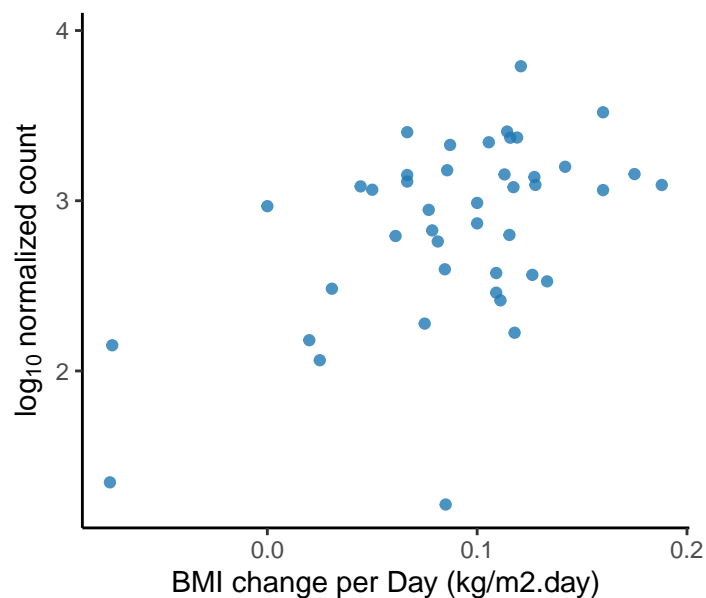
### Ectothiorhodospira

adjusted p = 0.0103



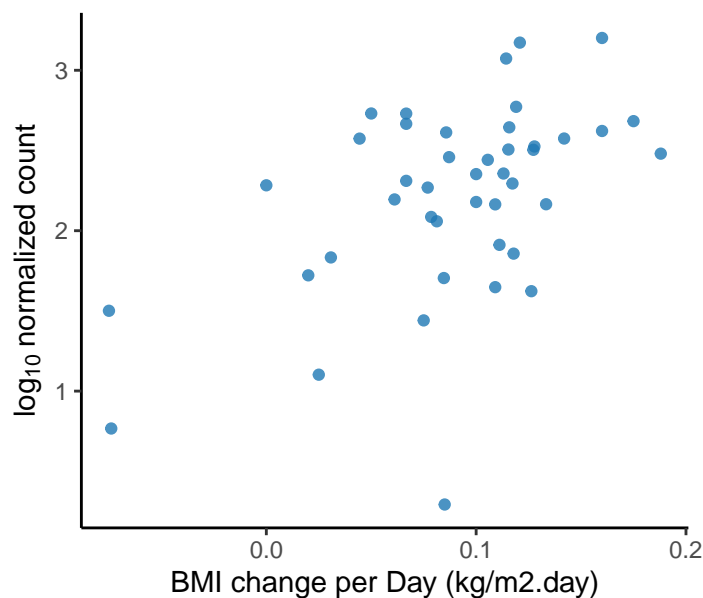
### Caulobacter

adjusted p = 0.0104



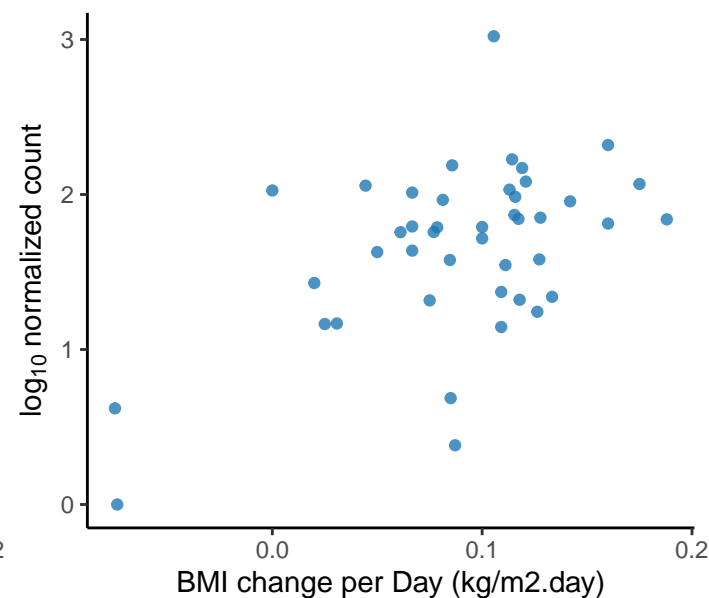
### Aminomonas

adjusted p = 0.0111



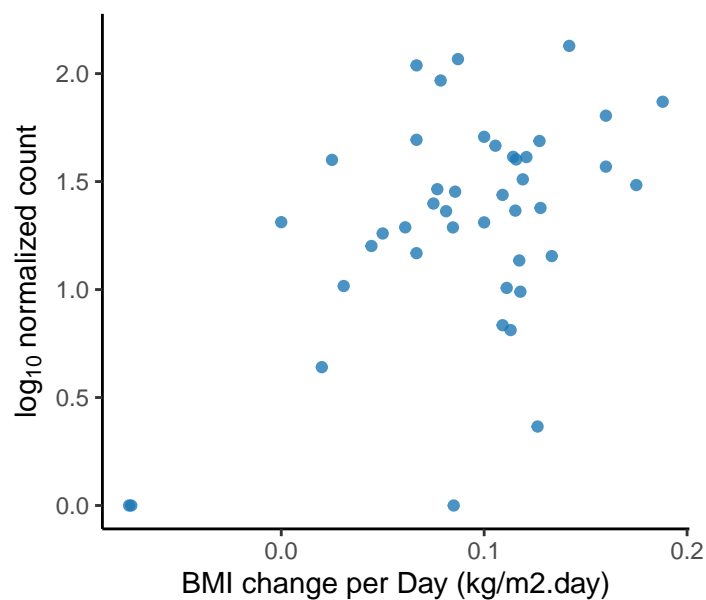
### Rhizorhabdus

adjusted p = 0.0111



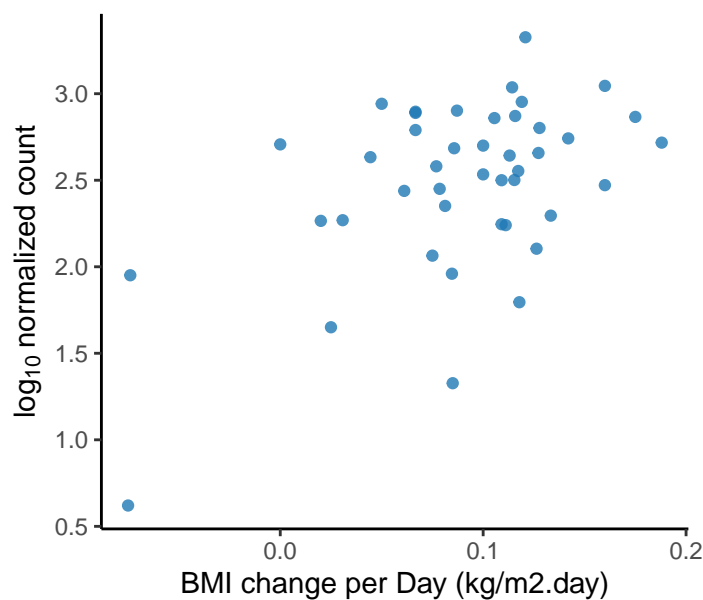
**Halodesulfurarchaeum**

adjusted p = 0.0113



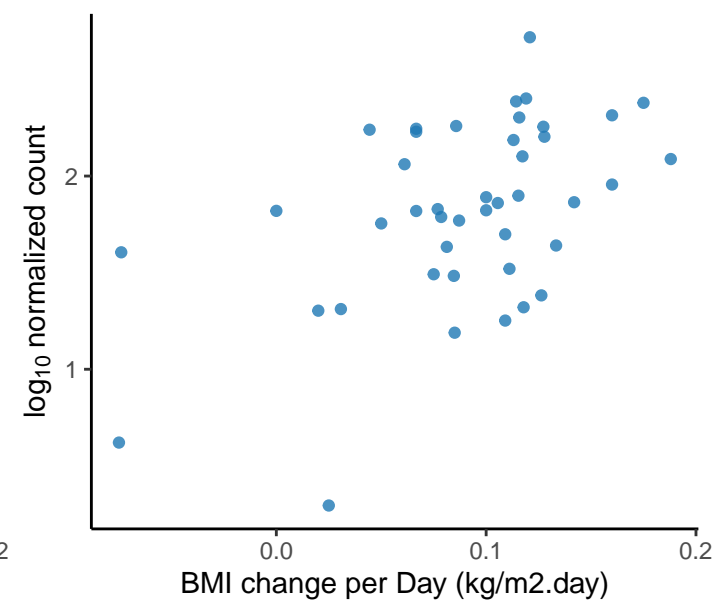
**Micrococcus**

adjusted p = 0.0113



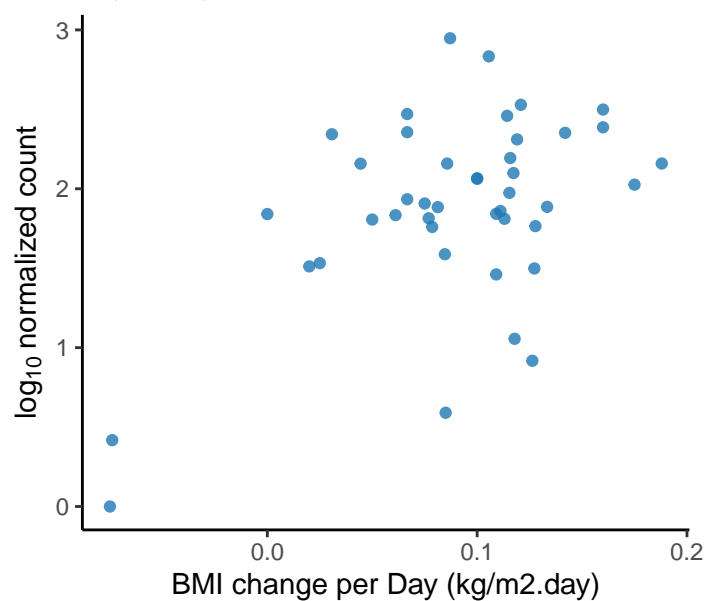
**Noviherbaspirillum**

adjusted p = 0.0113



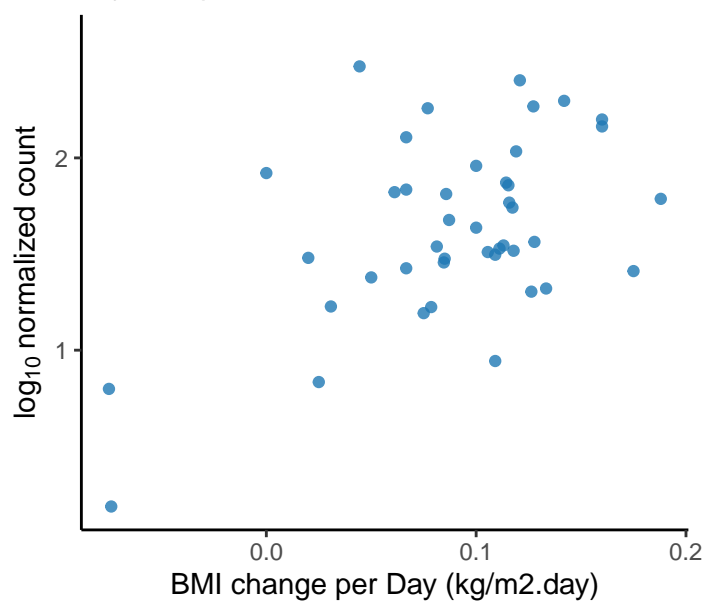
**Pelagibaca**

adjusted p = 0.0113



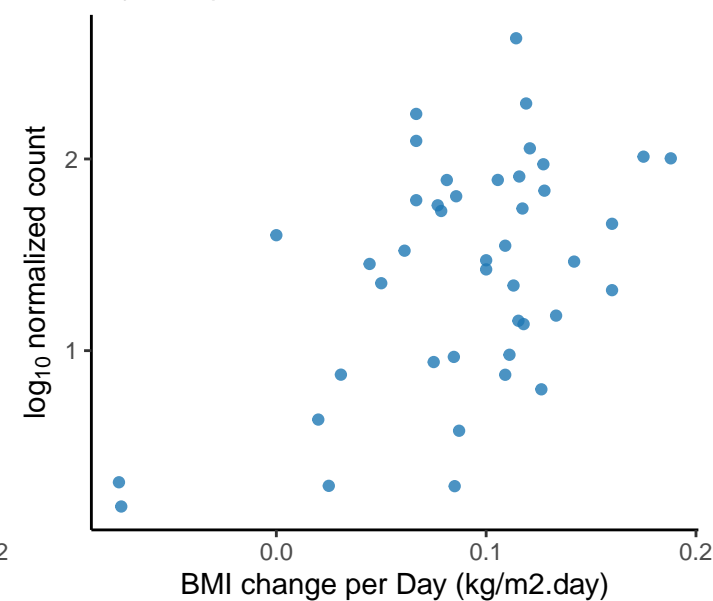
**Ketobacter**

adjusted p = 0.0114



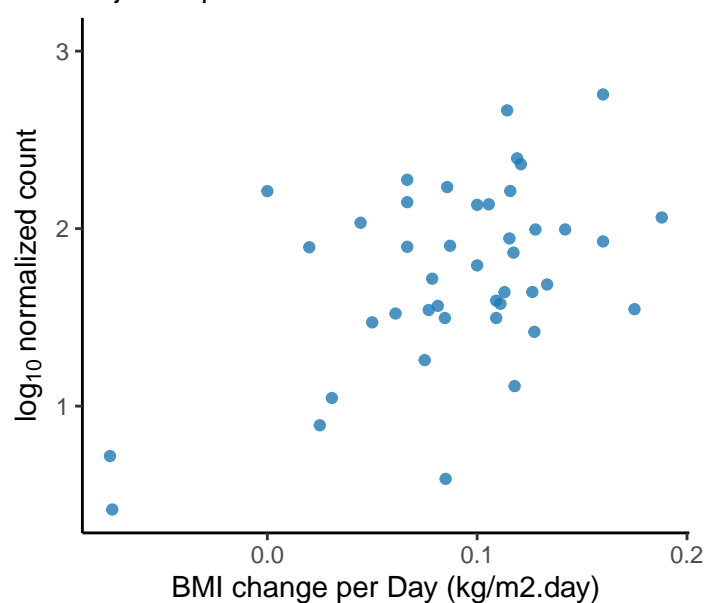
**Halopiger**

adjusted p = 0.0115



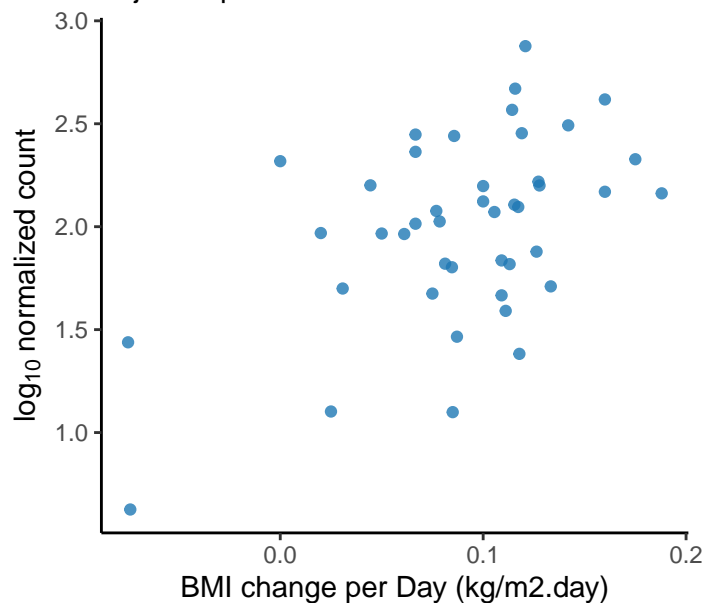
**Aureimonas**

adjusted p = 0.0118



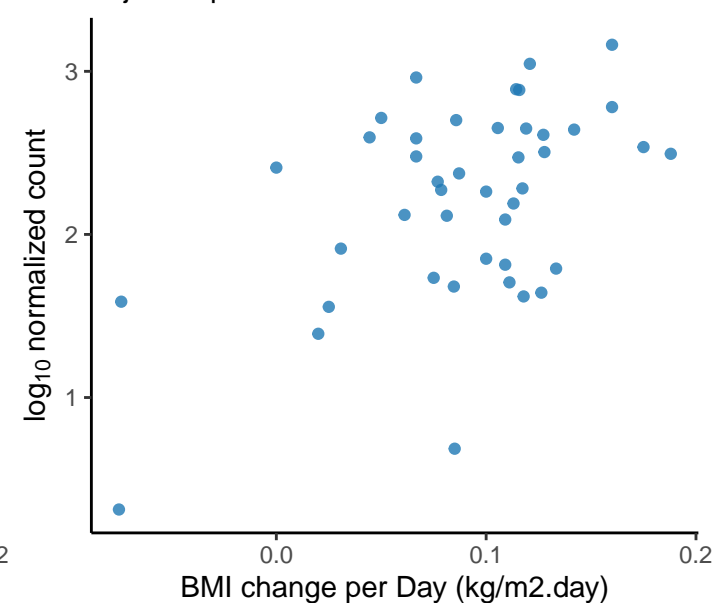
**Halorhodospira**

adjusted p = 0.0118



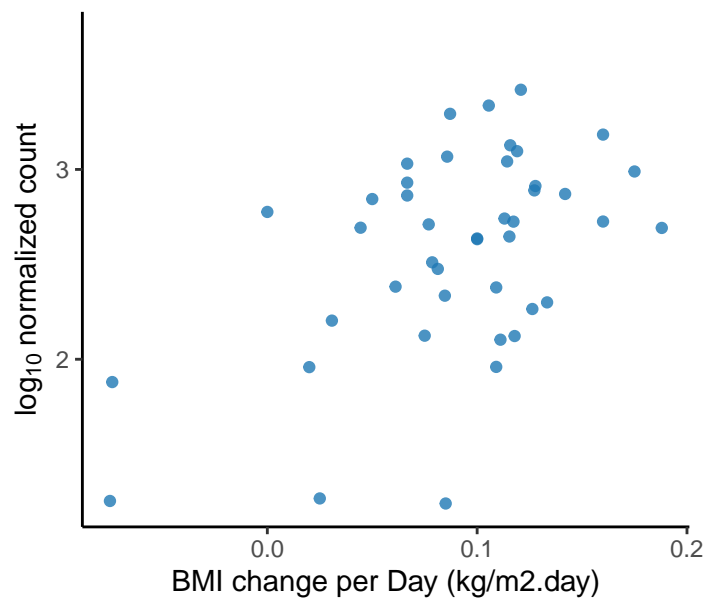
**Unclassified Myxococcales Order**

adjusted p = 0.0118

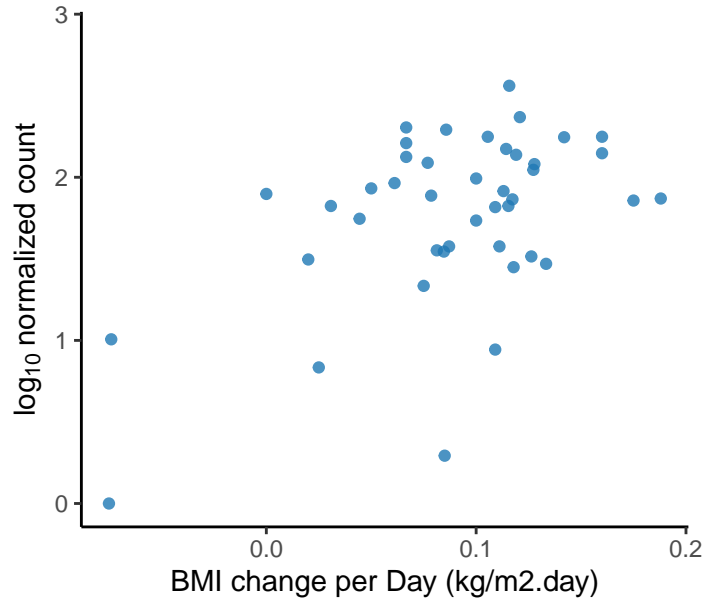


**Actinomadura**

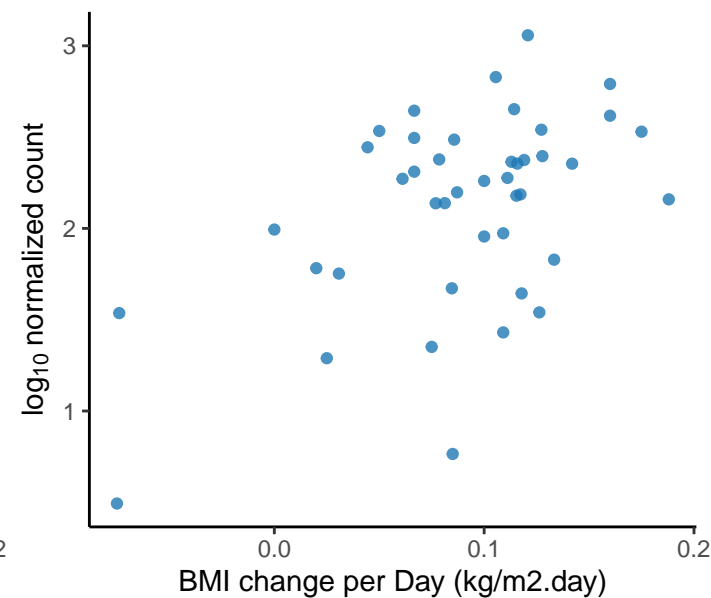
adjusted p = 0.0119

**Denitratisoma**

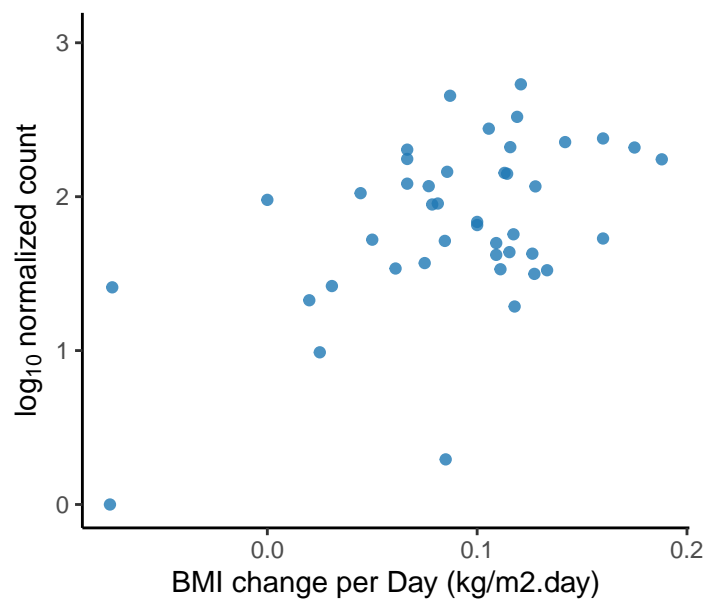
adjusted p = 0.0119

**Desulfocurvibacter**

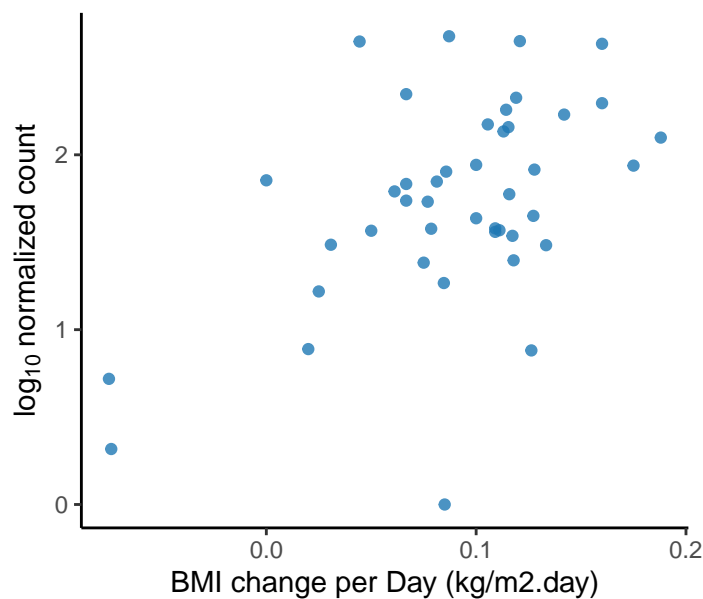
adjusted p = 0.0119

**Hylemonella**

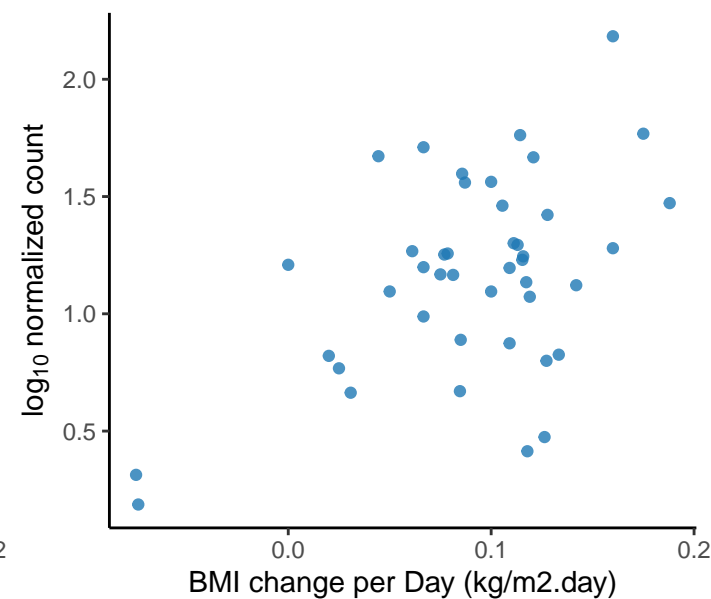
adjusted p = 0.0119

**Isosphaera**

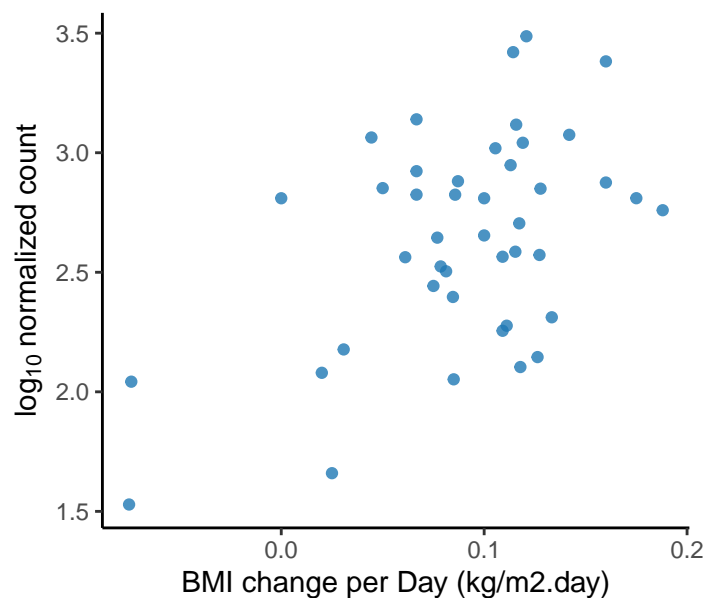
adjusted p = 0.0119

**Natrialba**

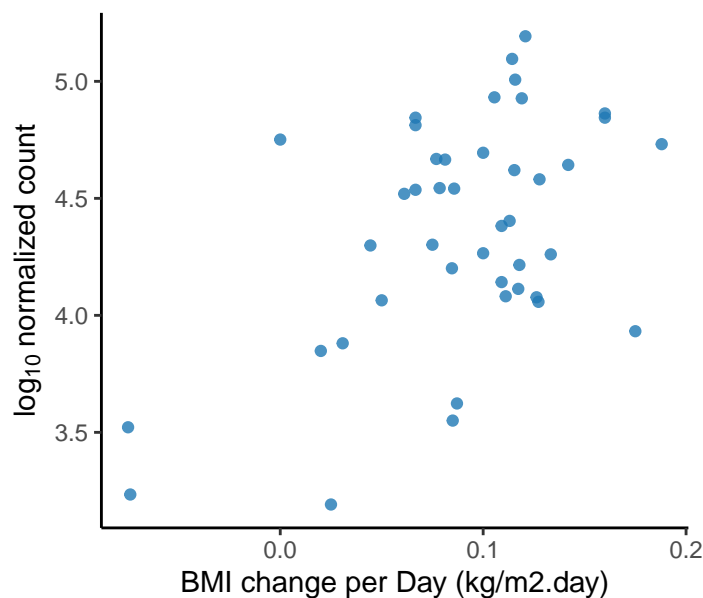
adjusted p = 0.0119

**Nonomuraea**

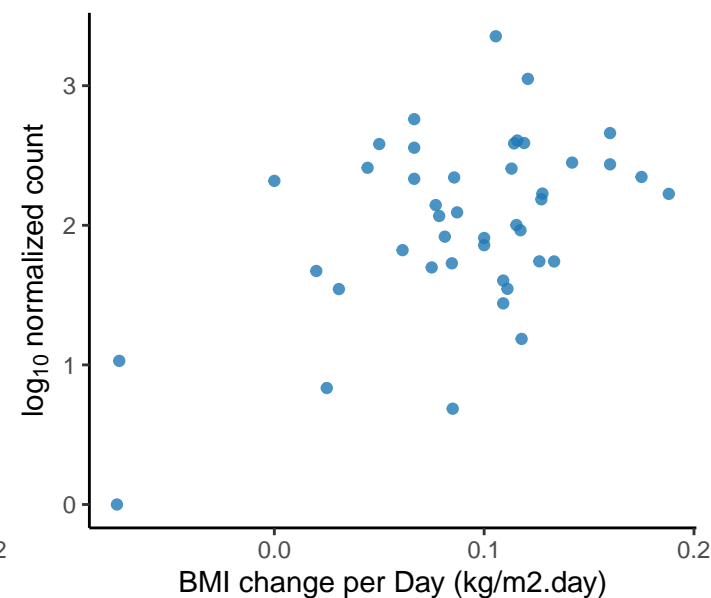
adjusted p = 0.0119

**Oscillibacter**

adjusted p = 0.0119

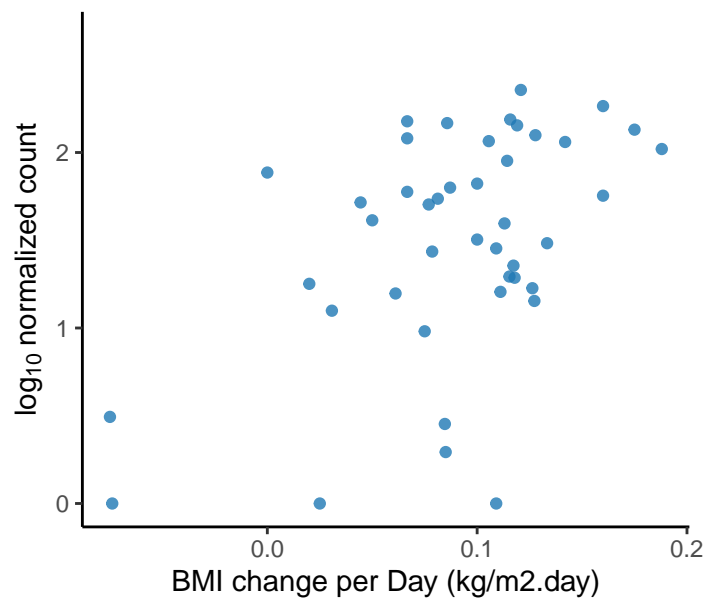
**Rhodanobacter**

adjusted p = 0.0119



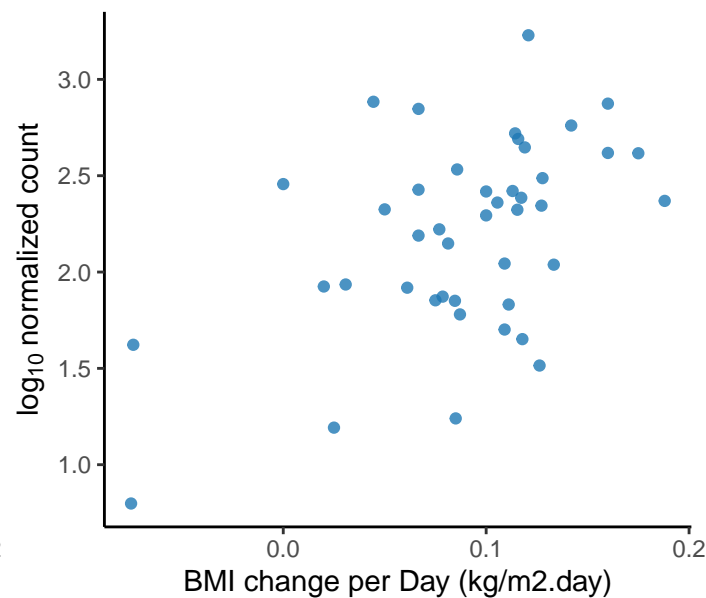
Unclassified Intrasporangiaceae Family

adjusted p = 0.0119



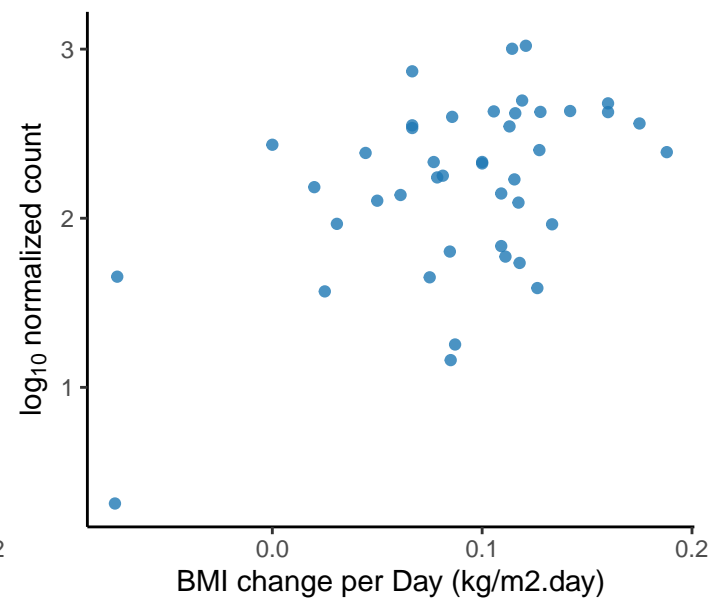
Pseudoxanthomonas

adjusted p = 0.0123



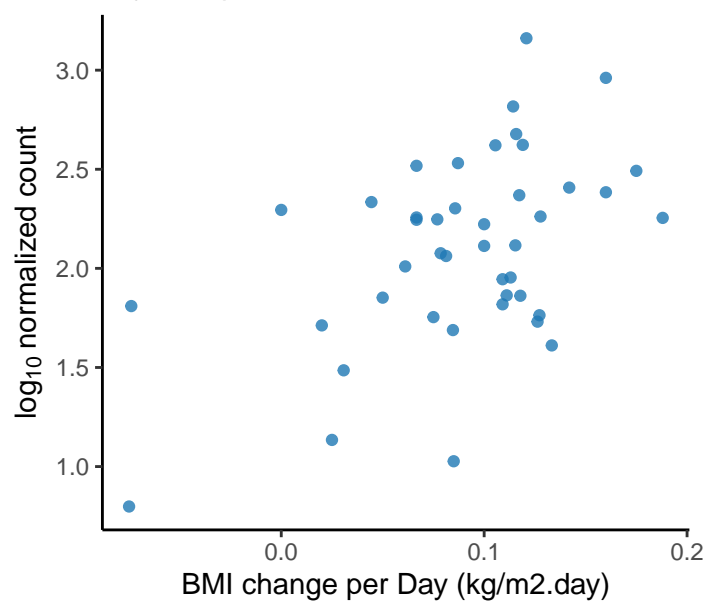
Desulfarculus

adjusted p = 0.0123



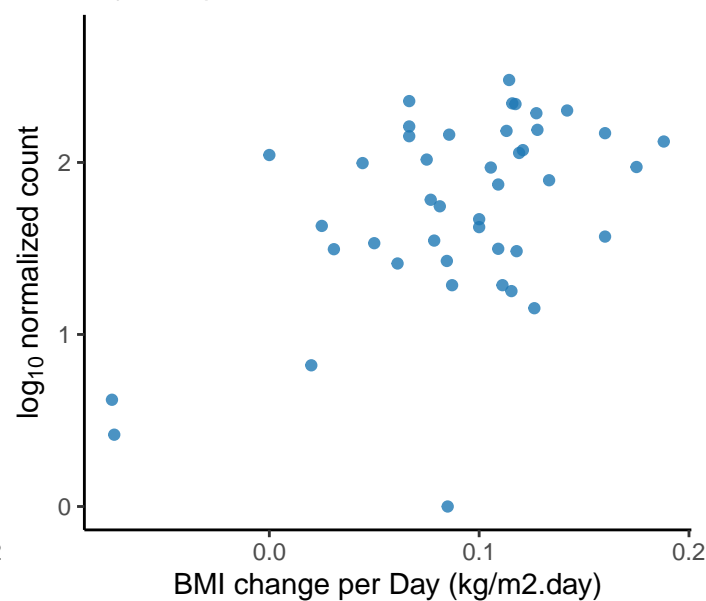
Luteitalea

adjusted p = 0.0123



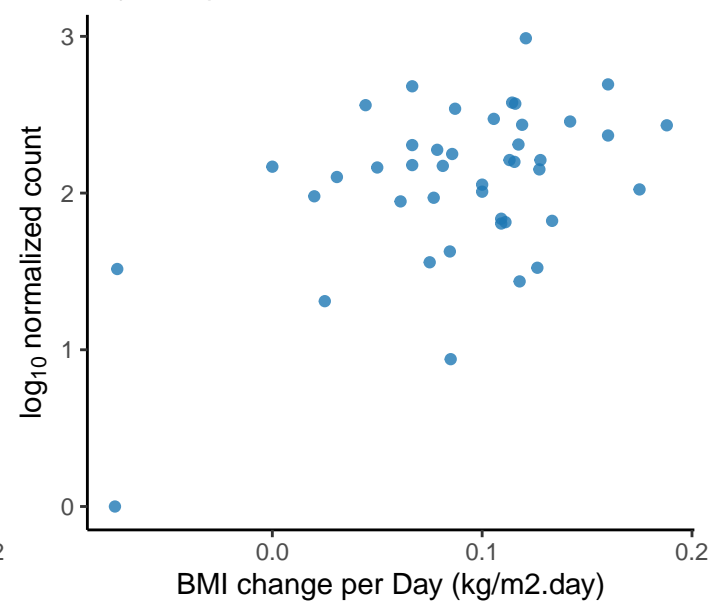
Roseitalea

adjusted p = 0.0123



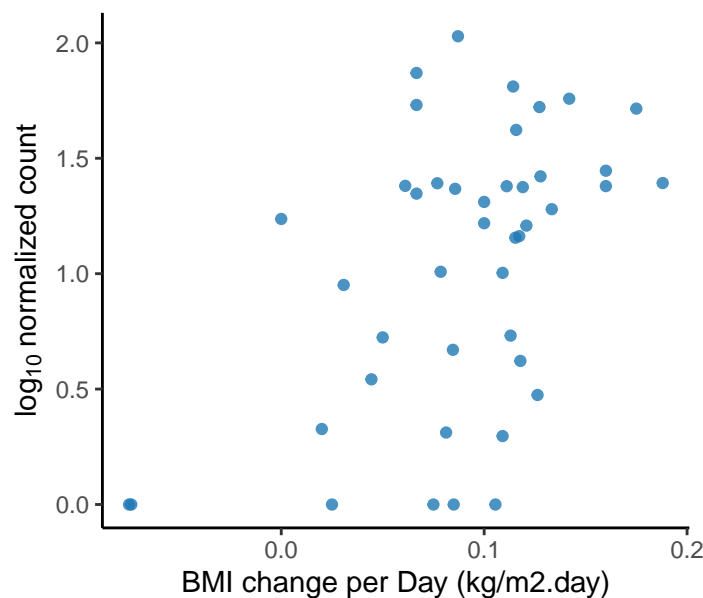
Skermanella

adjusted p = 0.0123



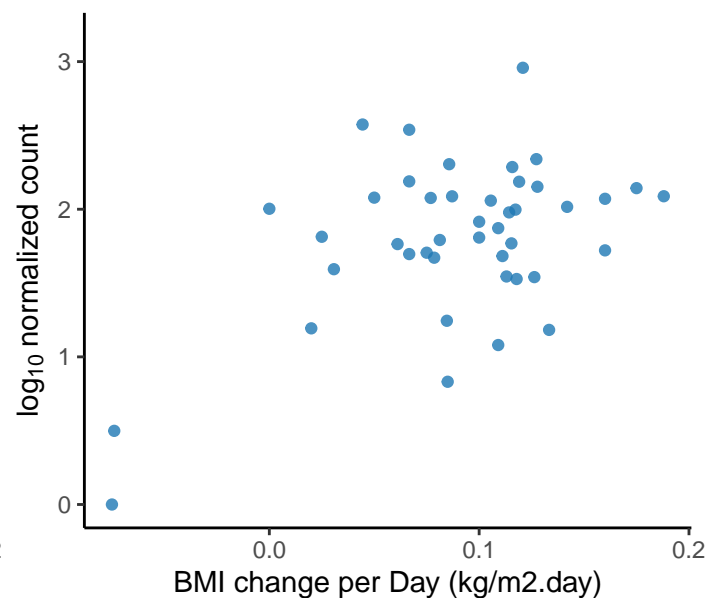
Unclassified Xanthobacteraceae Family

adjusted p = 0.0123



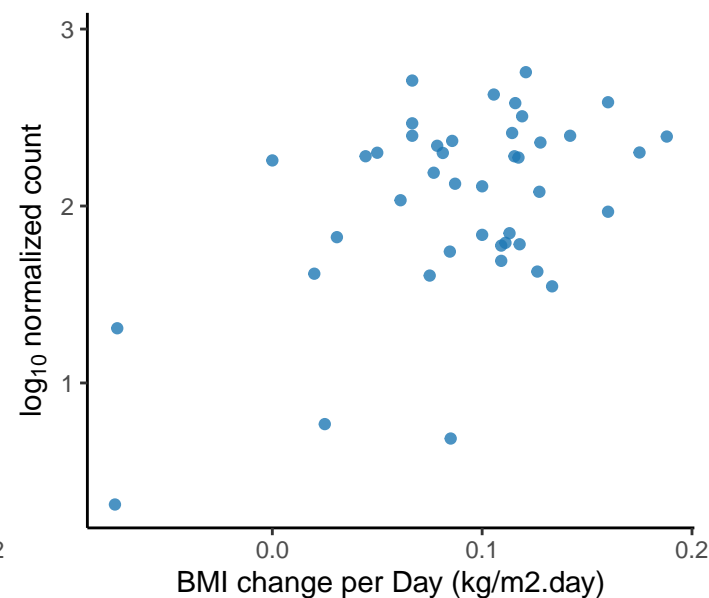
Aquaspirillum

adjusted p = 0.0126

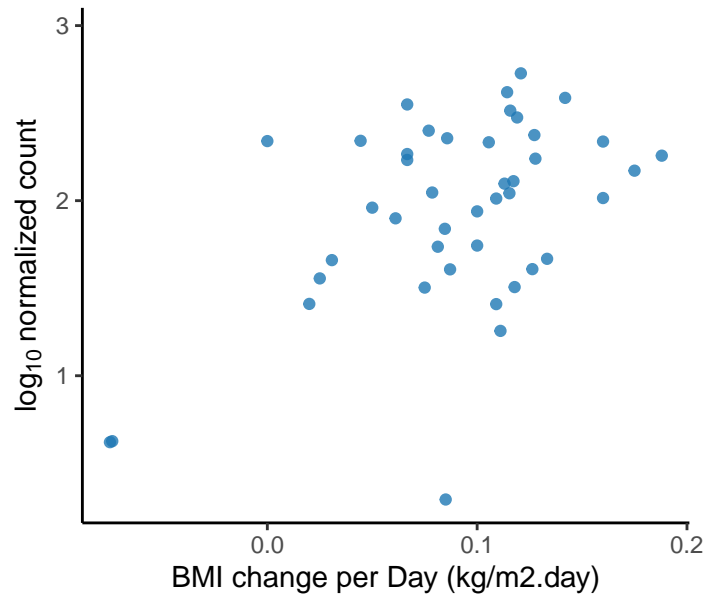


Unclassified Sterolibacteriaceae Family

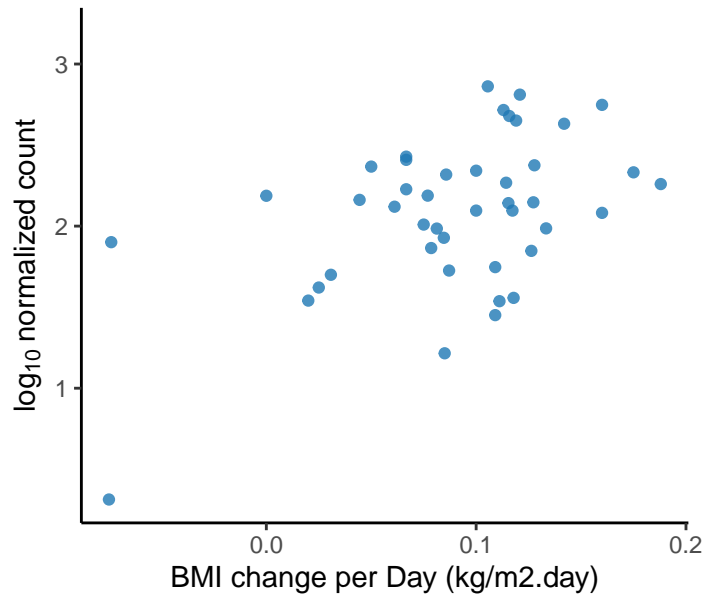
adjusted p = 0.0126



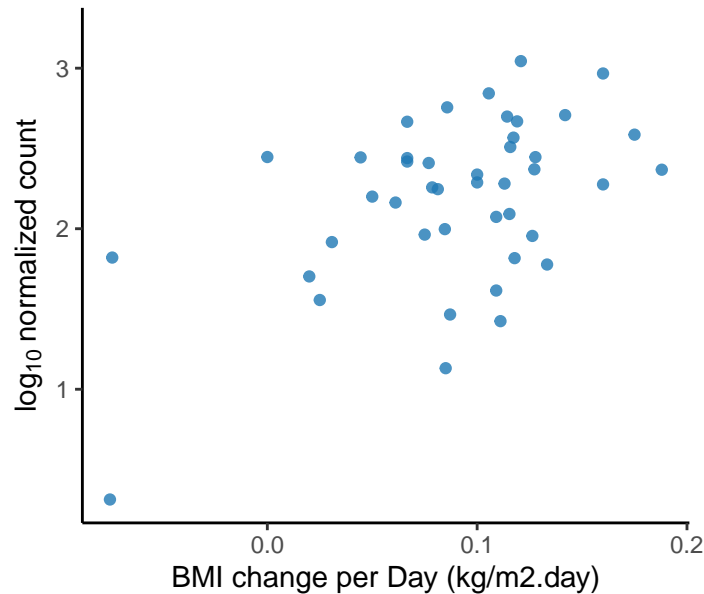
**Thiohalobacter**  
adjusted p = 0.0127



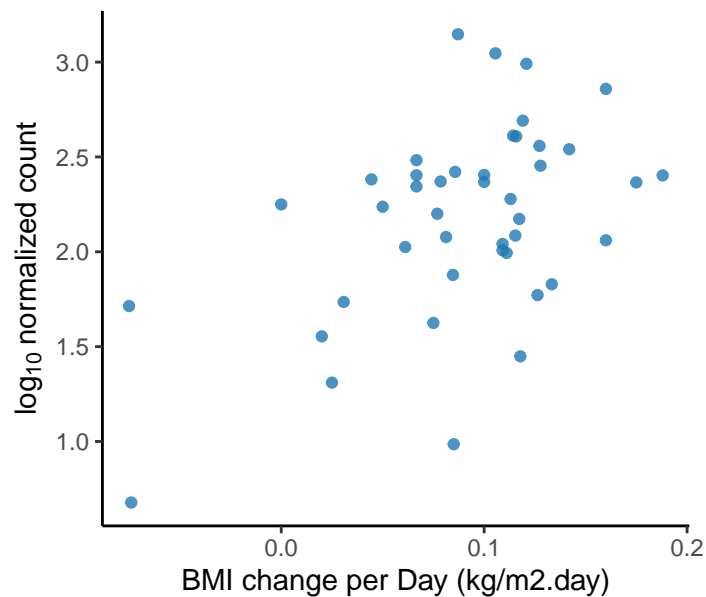
**Tepidiforma**  
adjusted p = 0.0127



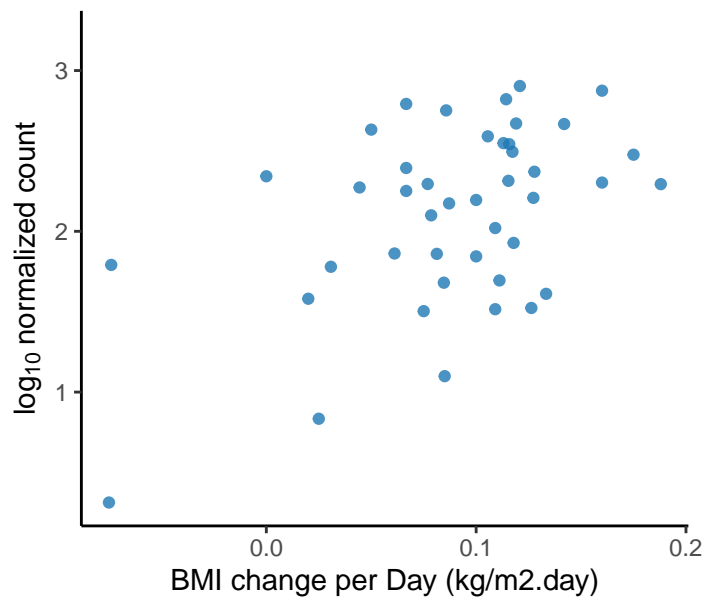
**Spiribacter**  
adjusted p = 0.0128



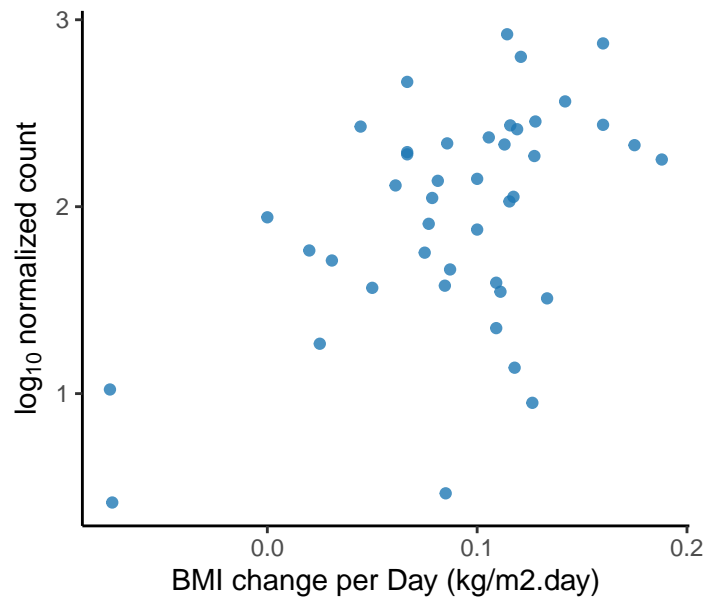
**Unclassified Pseudomonadaceae Fami**  
adjusted p = 0.013



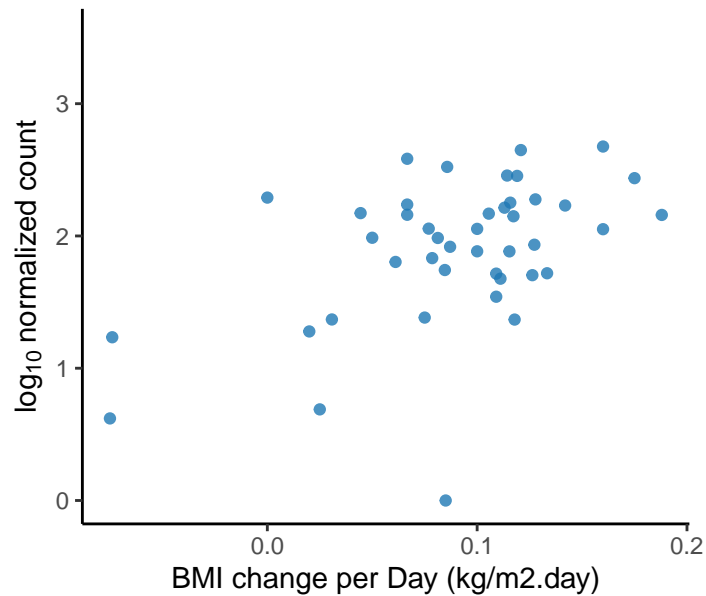
**Chelatococcus**  
adjusted p = 0.013



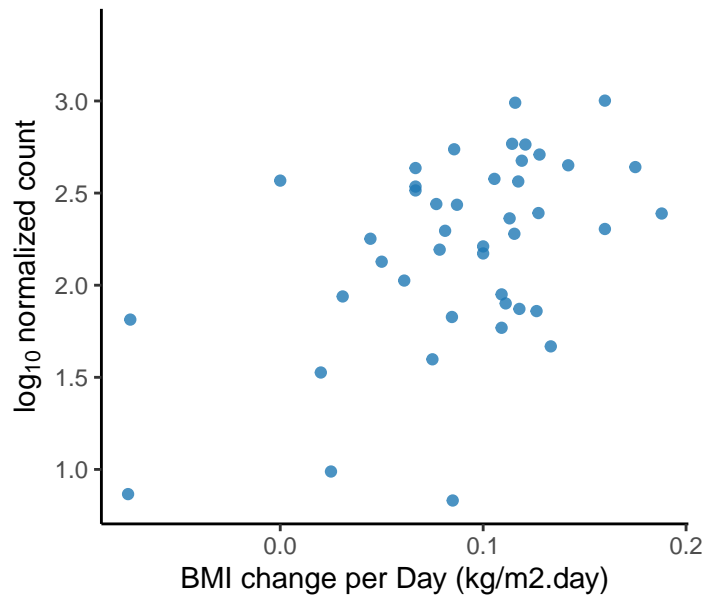
**Xanthobacter**  
adjusted p = 0.0132



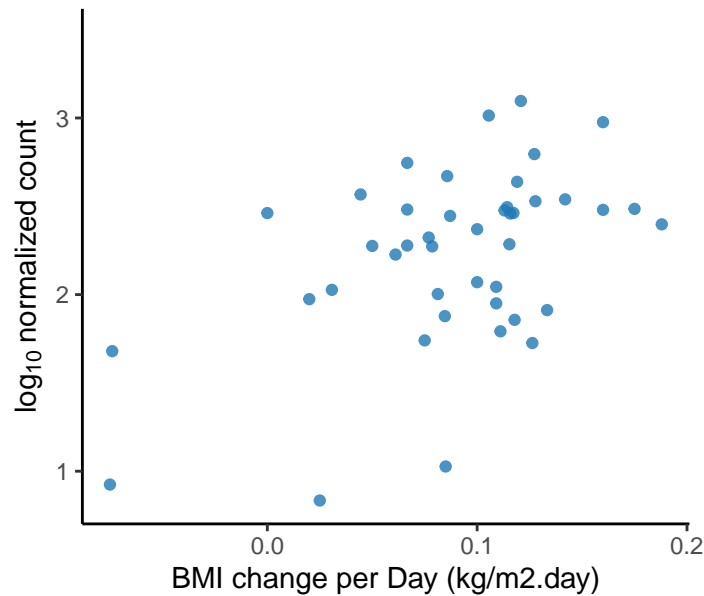
**Egicoccus**  
adjusted p = 0.0135



**Gemmatirosa**  
adjusted p = 0.0137

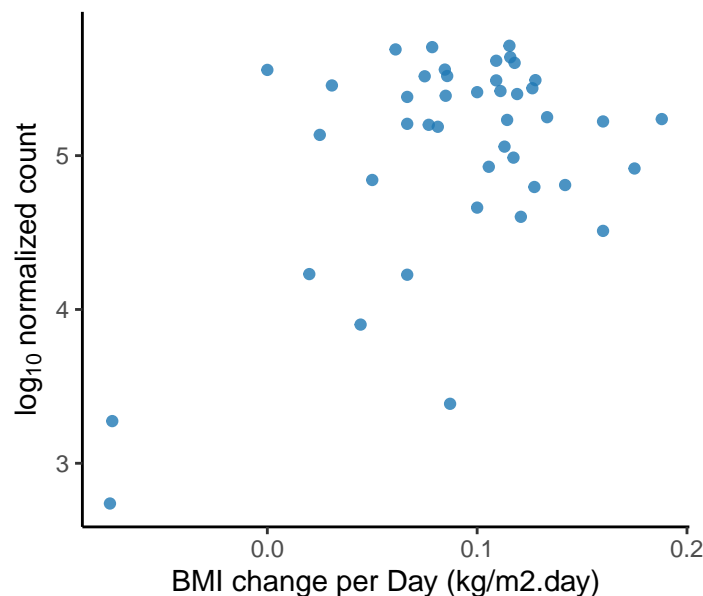


**Nitrospirillum**  
adjusted p = 0.0137



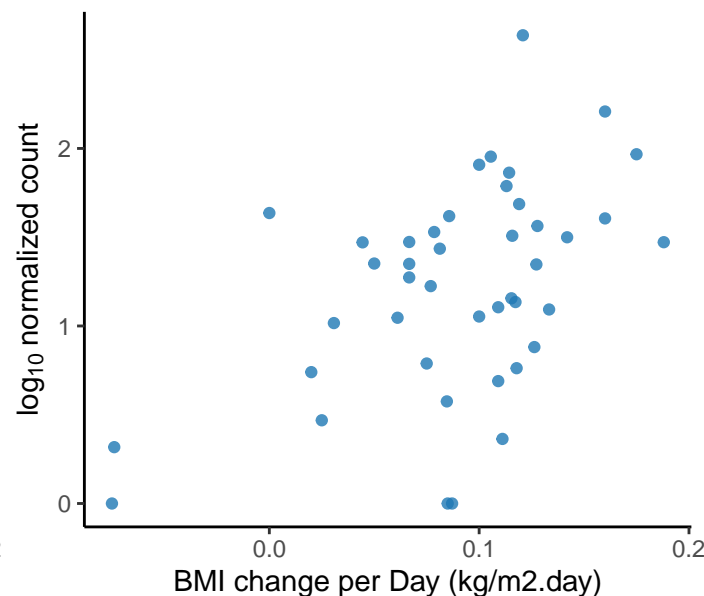
Unclassified Bacteroidales Order

adjusted p = 0.0137



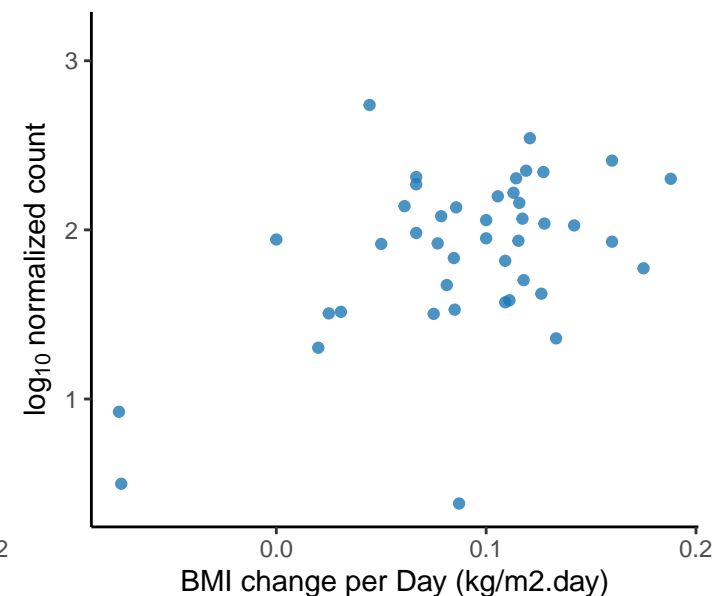
Unclassified Thermaceae Family

adjusted p = 0.0137



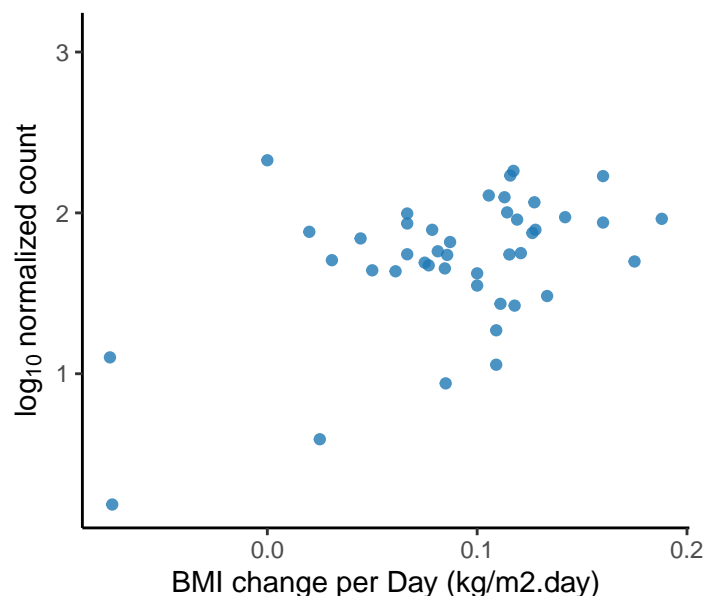
Kerstersia

adjusted p = 0.0142



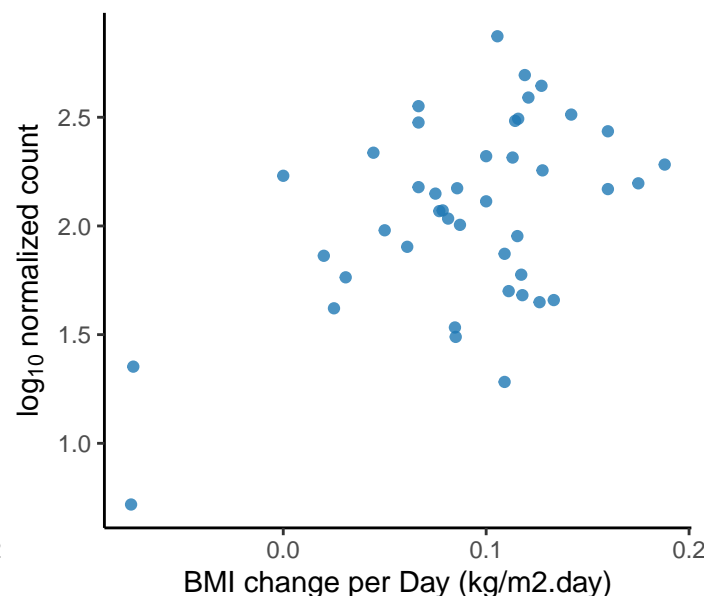
Rhodobaca

adjusted p = 0.0142



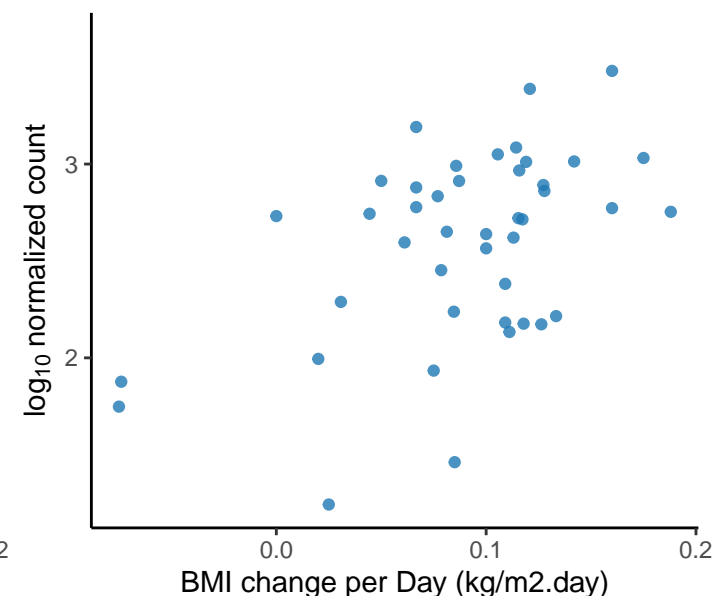
Unclassified Kiritimatiellaeota Phylum

adjusted p = 0.0142



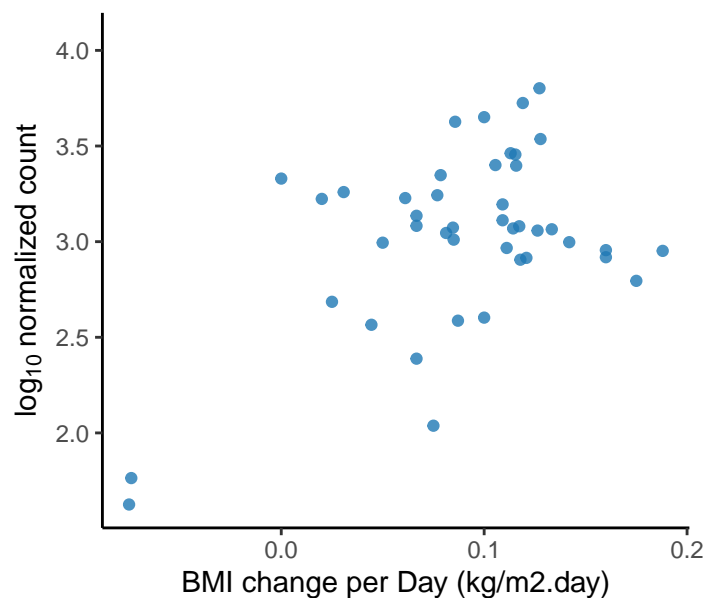
Symbiobacterium

adjusted p = 0.0142



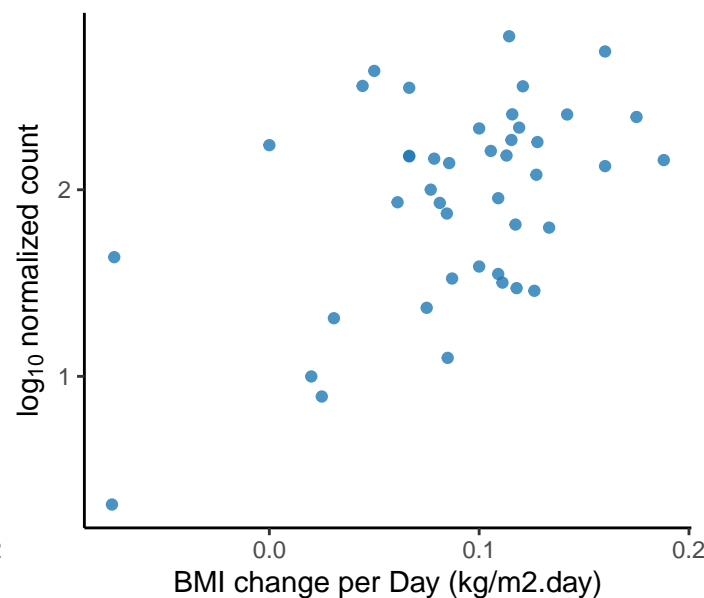
Unclassified Muribaculaceae Family

adjusted p = 0.0145



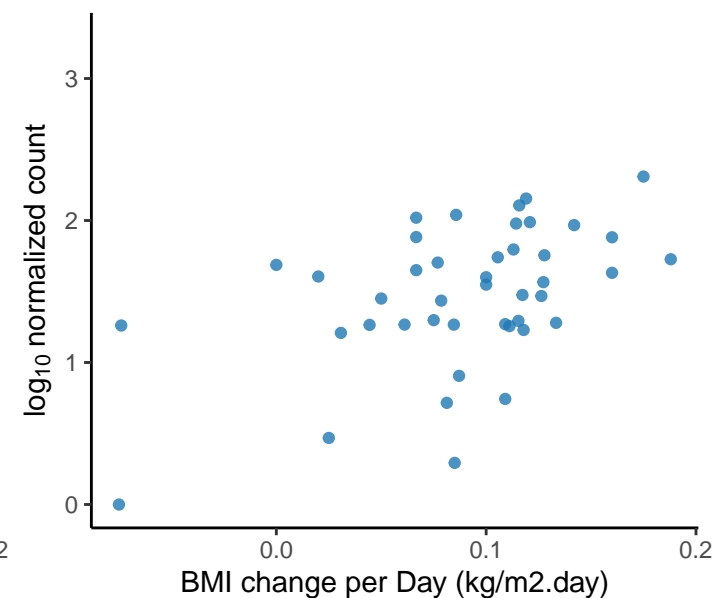
Castellaniella

adjusted p = 0.0145



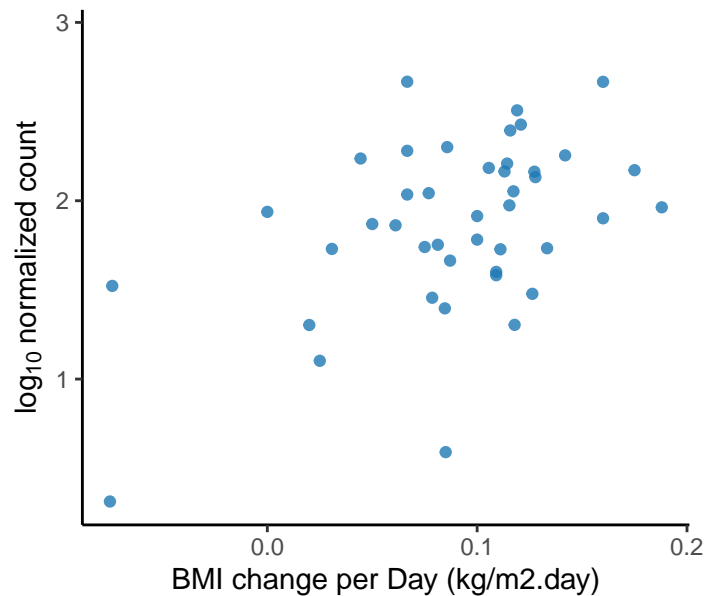
Methylovirgula

adjusted p = 0.0145



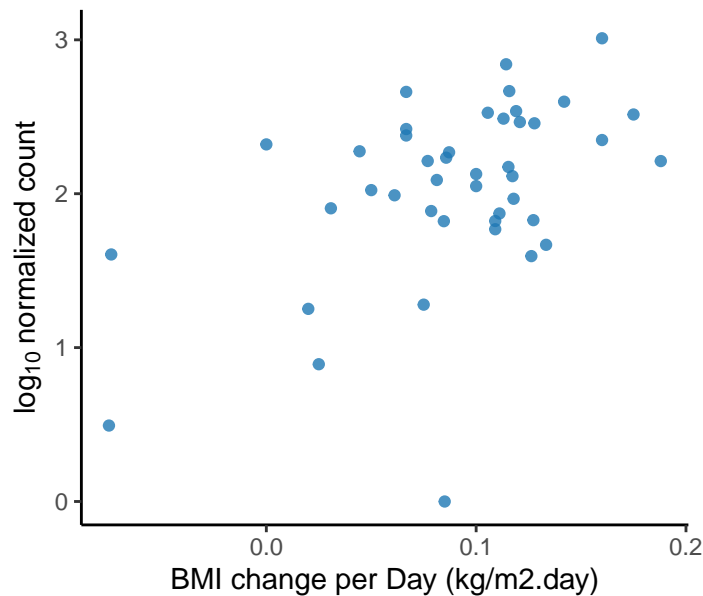
**Kiritimatiella**

adjusted p = 0.0147



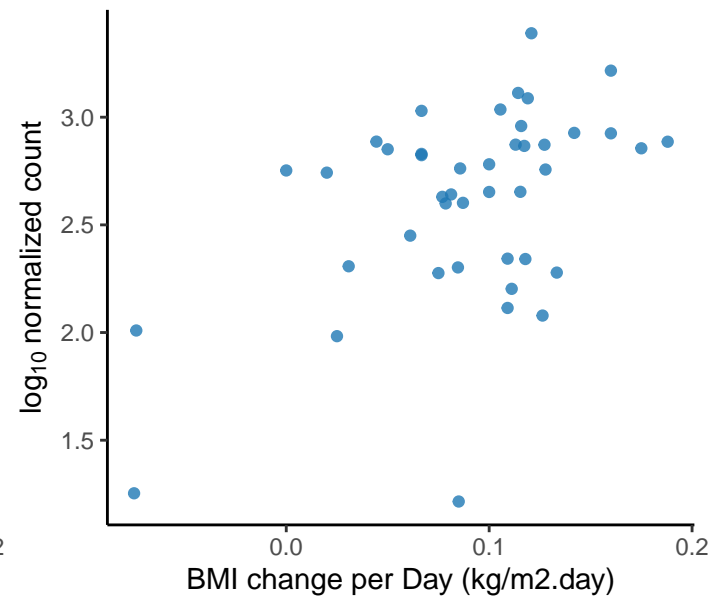
**Isoptericola**

adjusted p = 0.015



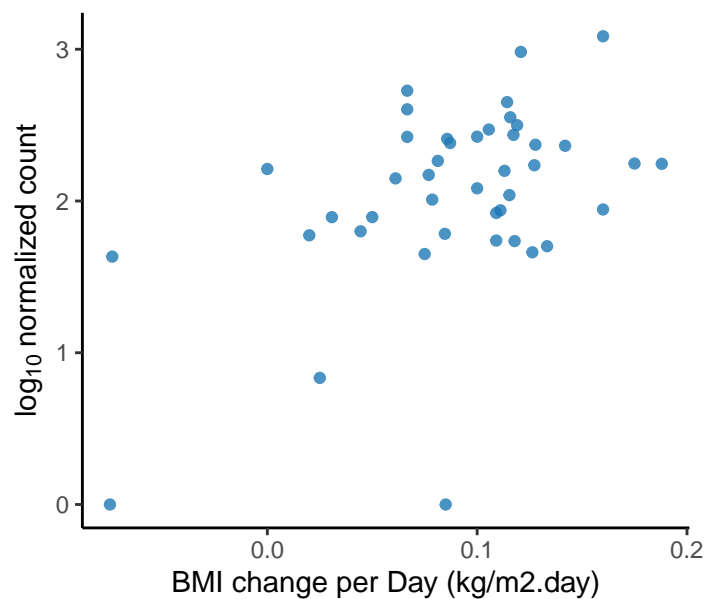
**Magnetospirillum**

adjusted p = 0.015



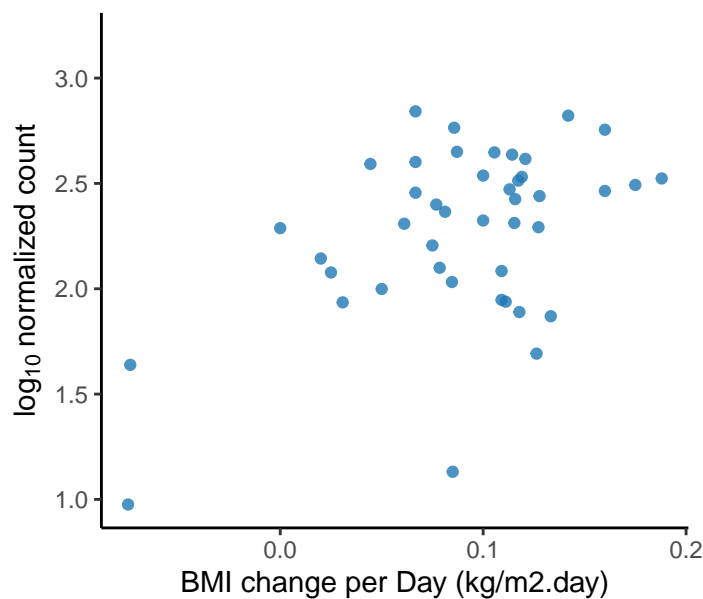
**Sphaerobacter**

adjusted p = 0.015



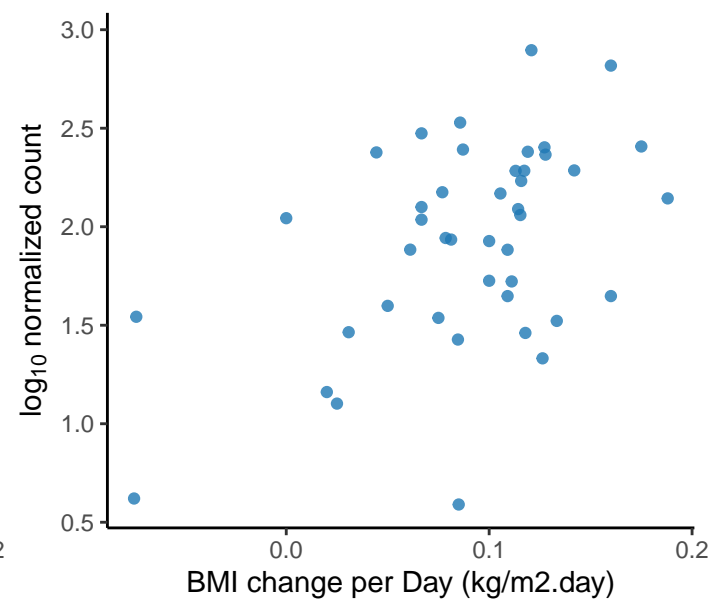
**Unclassified Anaerolineaceae Family**

adjusted p = 0.0152



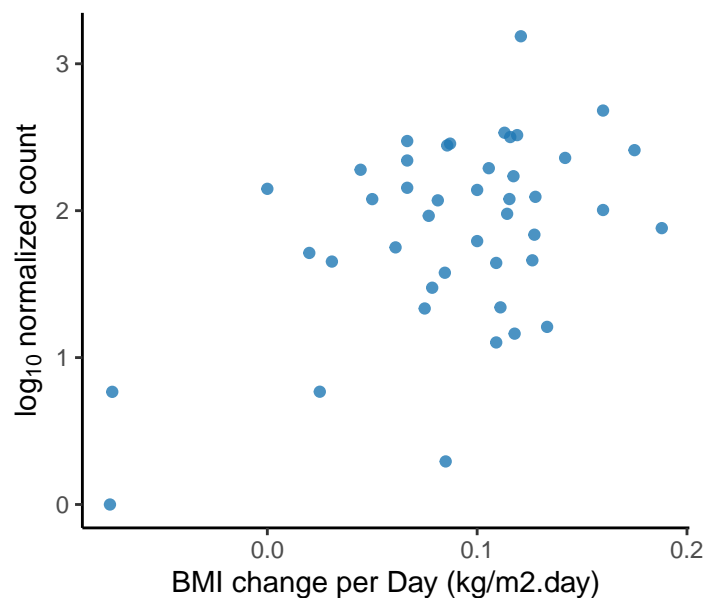
**Rhodoplanes**

adjusted p = 0.0155



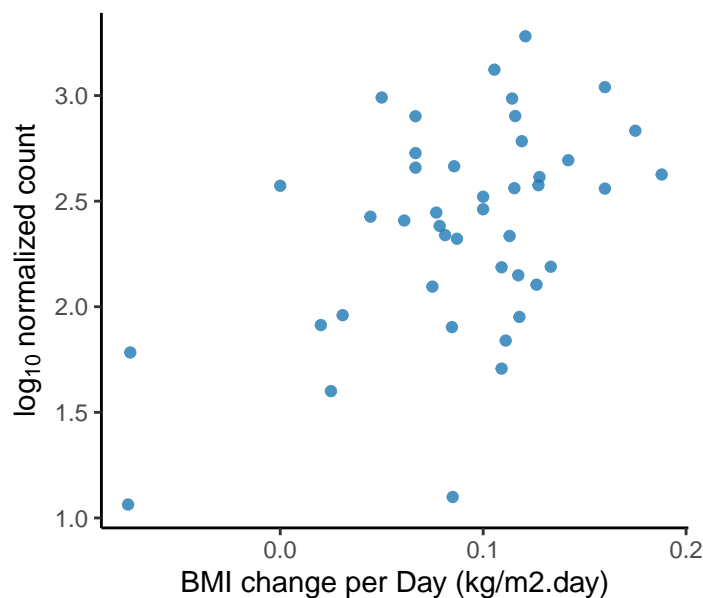
**Miniimonas**

adjusted p = 0.0158



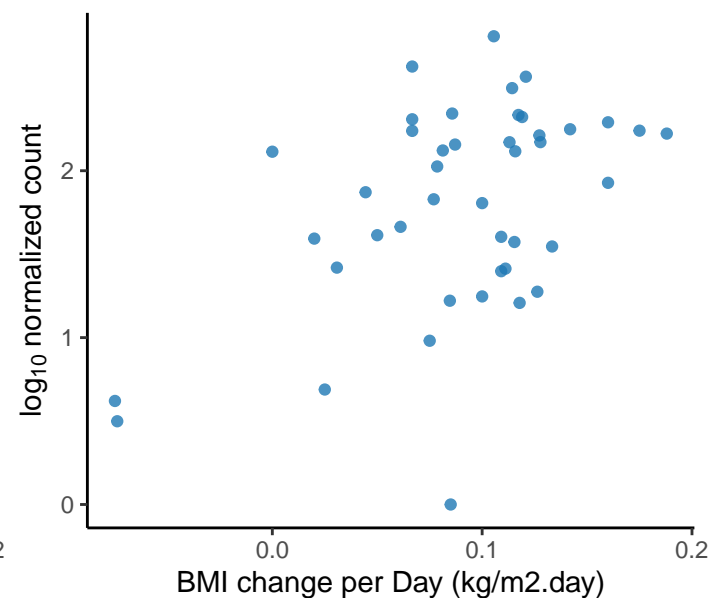
**Planctomyces**

adjusted p = 0.0158



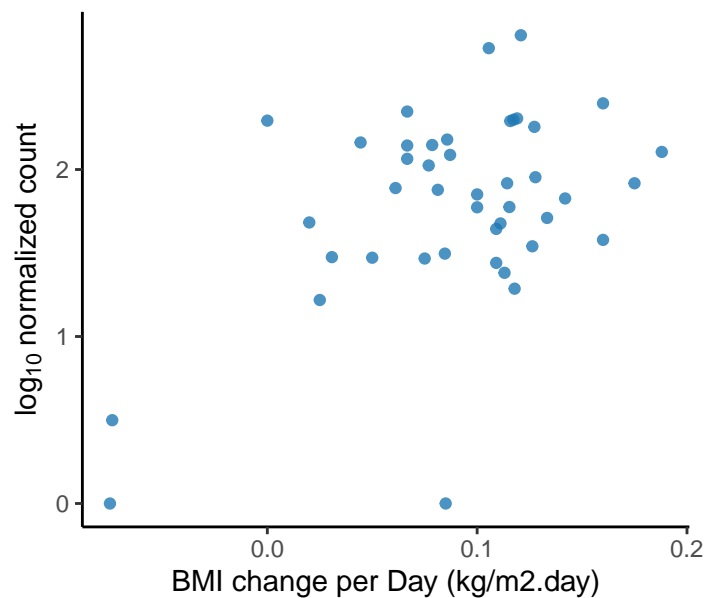
**Sinomonas**

adjusted p = 0.0158



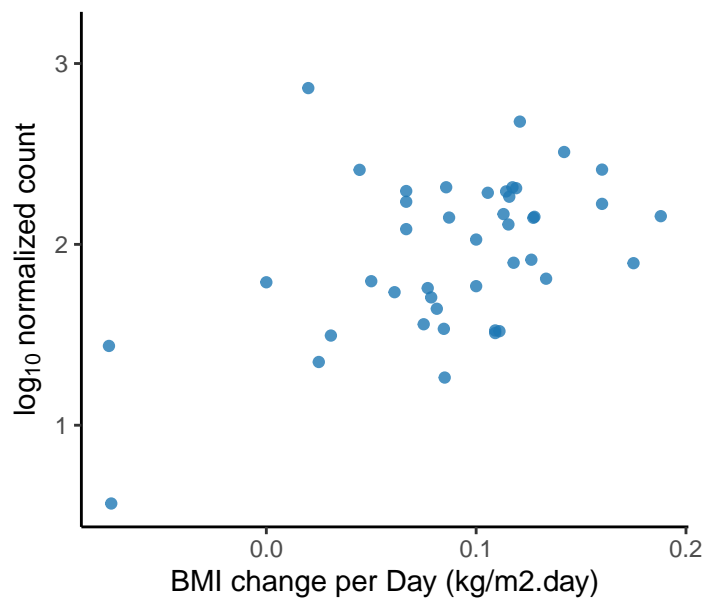
**Tabrizicola**

adjusted p = 0.0158



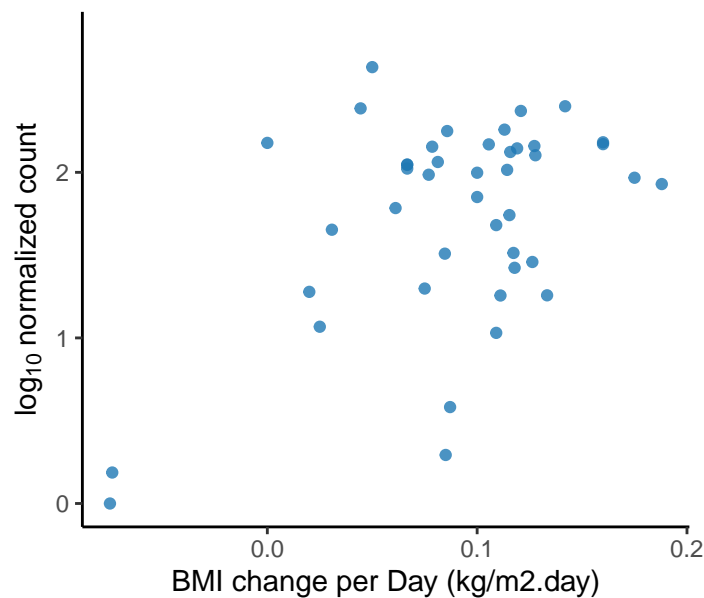
**Cobetia**

adjusted p = 0.0158



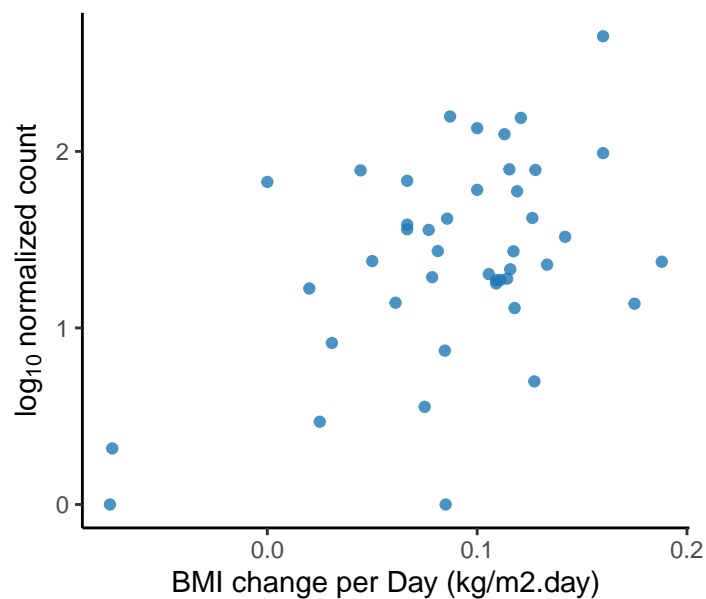
**Gemmobacter**

adjusted p = 0.0161



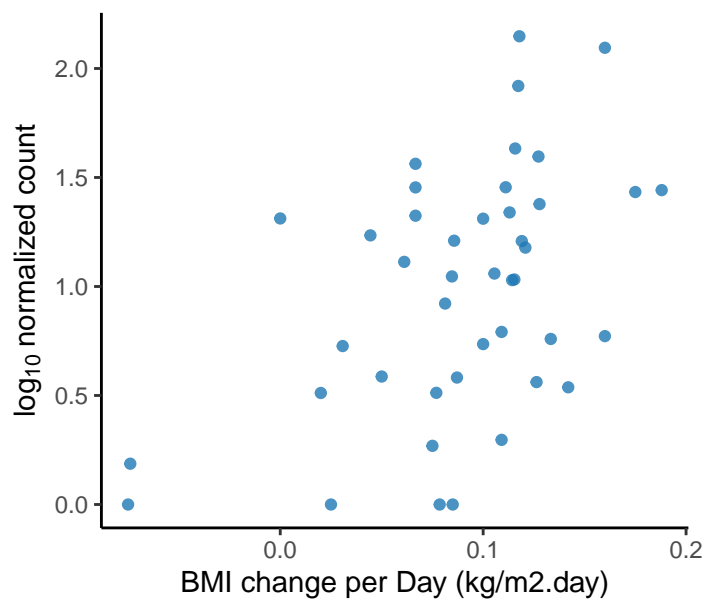
**Halorientalis**

adjusted p = 0.0161



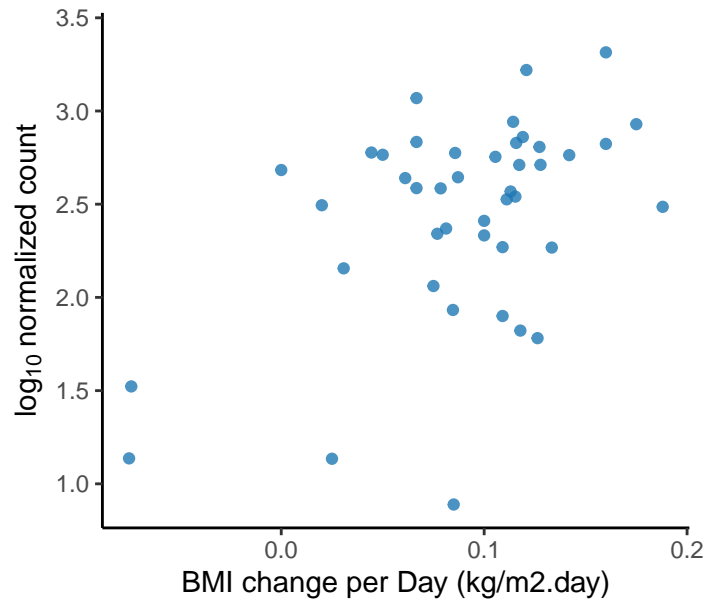
**Natronobacterium**

adjusted p = 0.0161



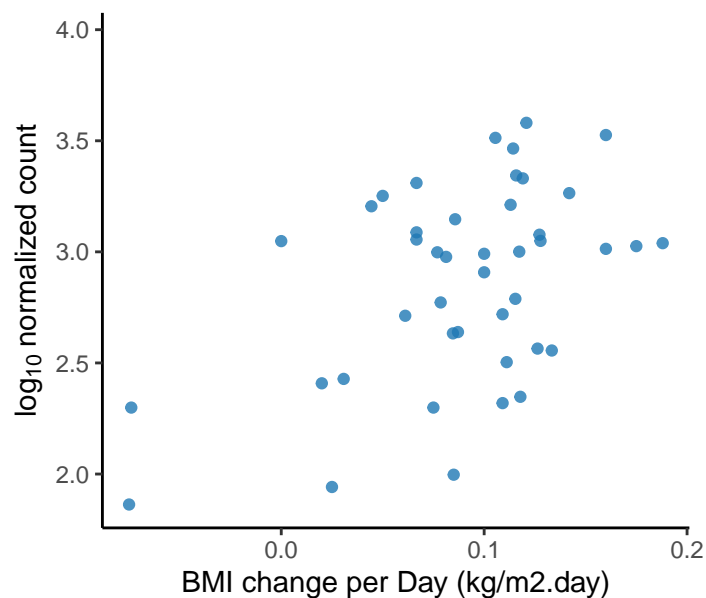
**Unclassified Deltaproteobacteria Class**

adjusted p = 0.0161



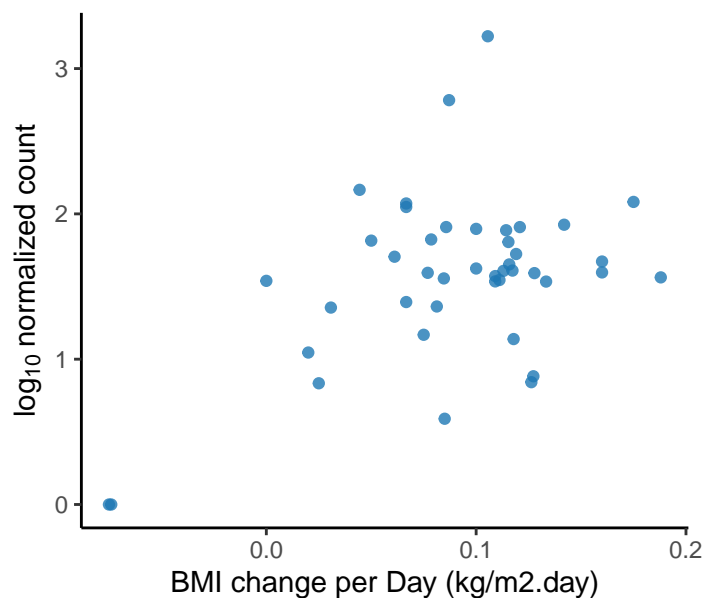
**Acidovorax**

adjusted p = 0.0162



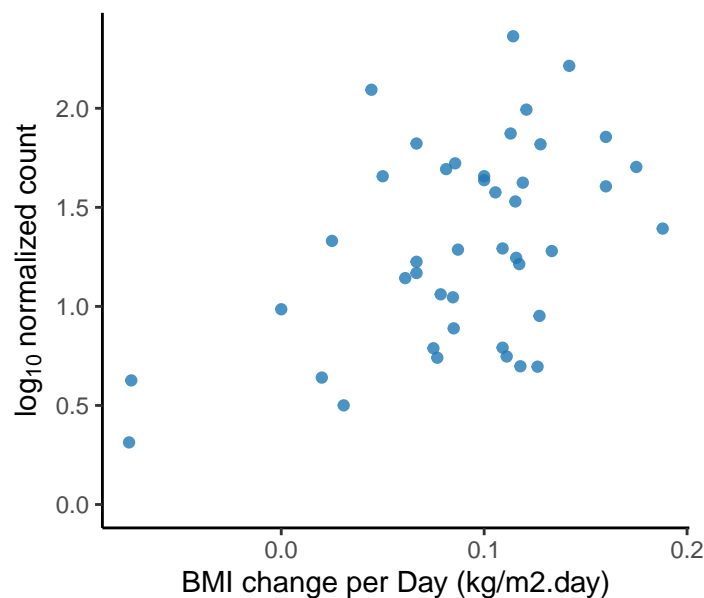
**Halalkaliarchaeum**

adjusted p = 0.0163



**Halapricum**

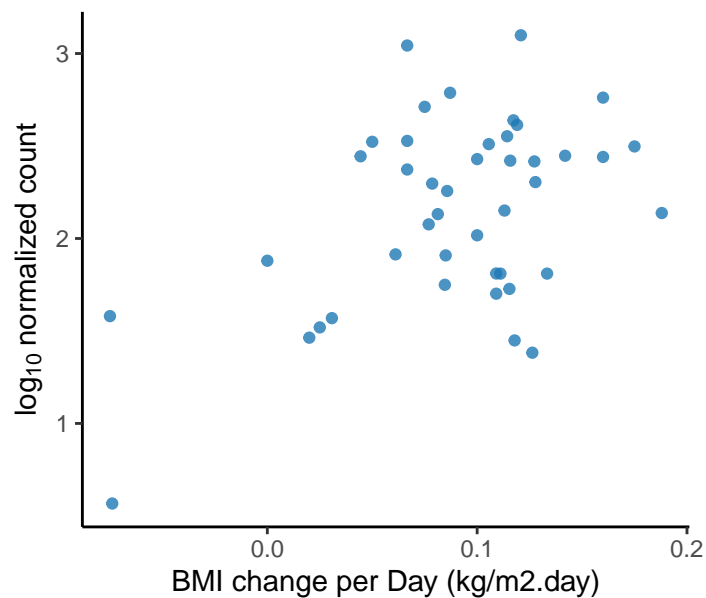
adjusted p = 0.0163





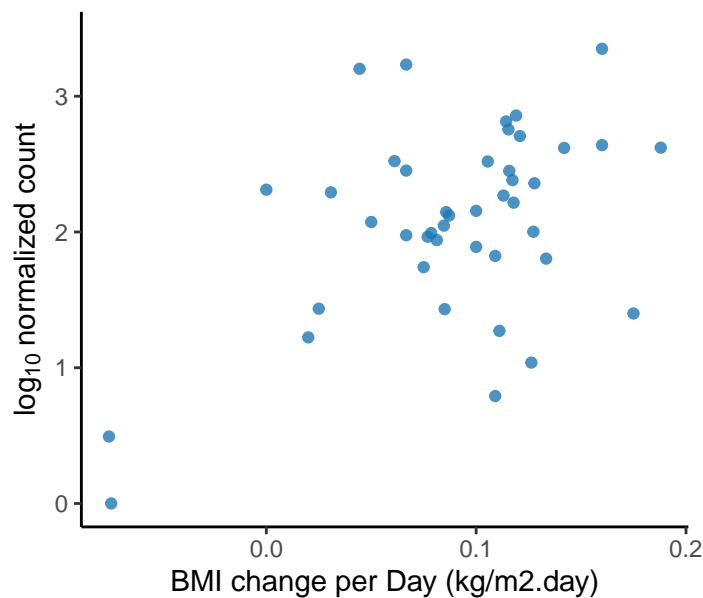
*Indioceanicola*

adjusted p = 0.0163



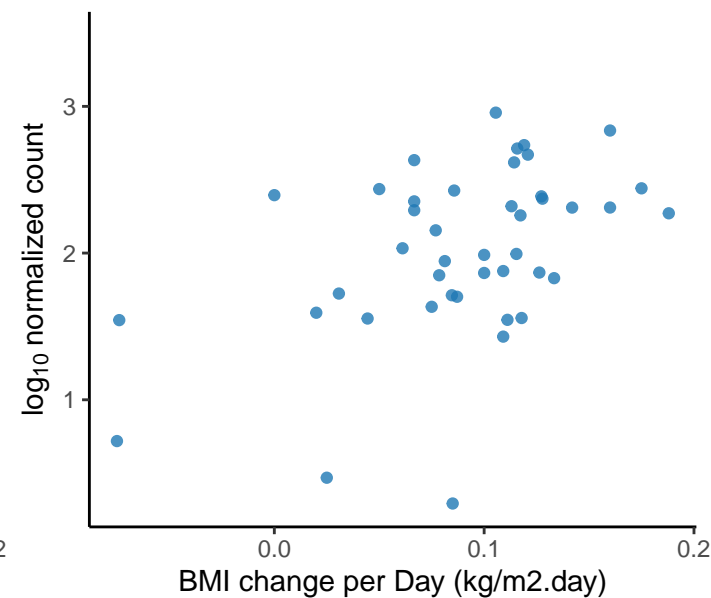
*Roseimicrobium*

adjusted p = 0.0163



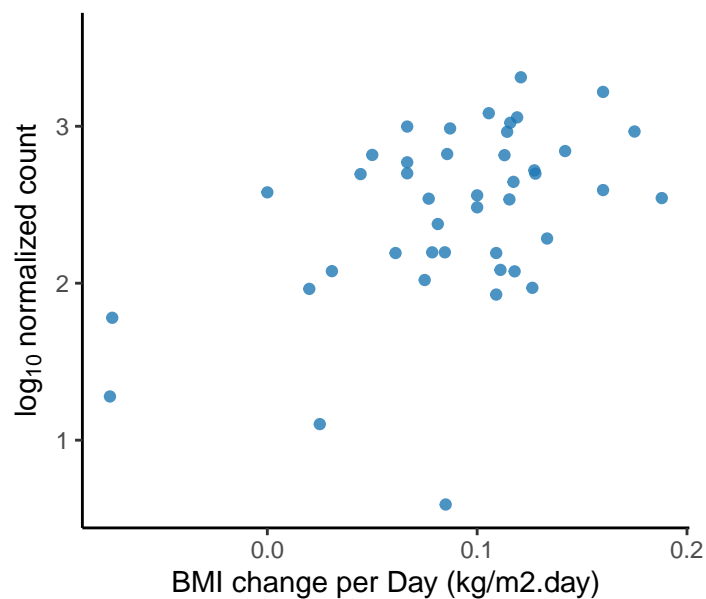
Unclassified Micromonosporaceae Family

adjusted p = 0.0163



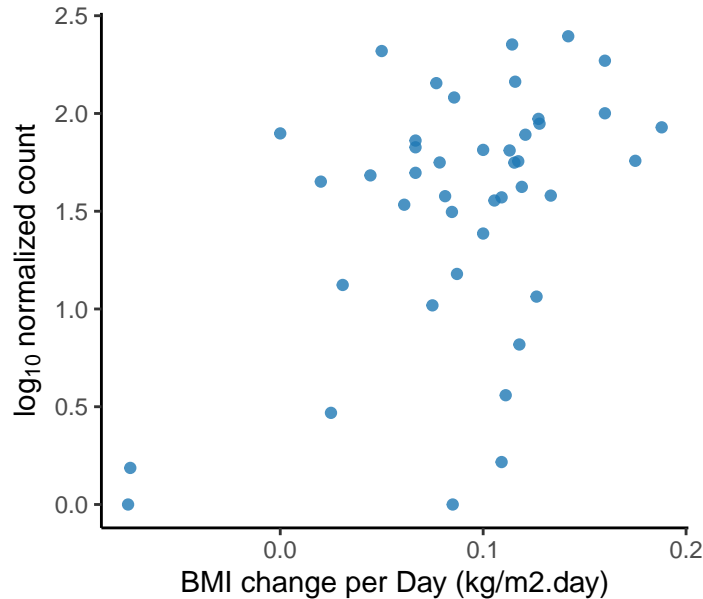
*Saccharothrix*

adjusted p = 0.0165



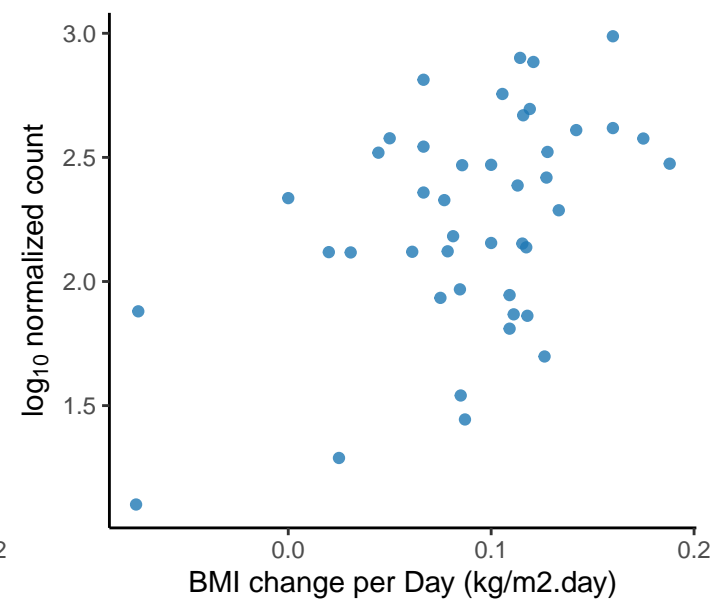
*Candidatus Methanomethylophilus*

adjusted p = 0.0166



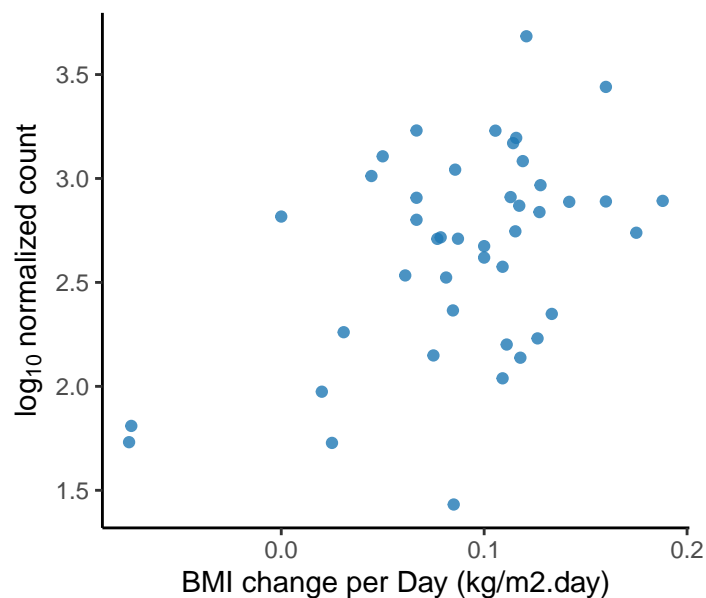
*Nakamurella*

adjusted p = 0.0166



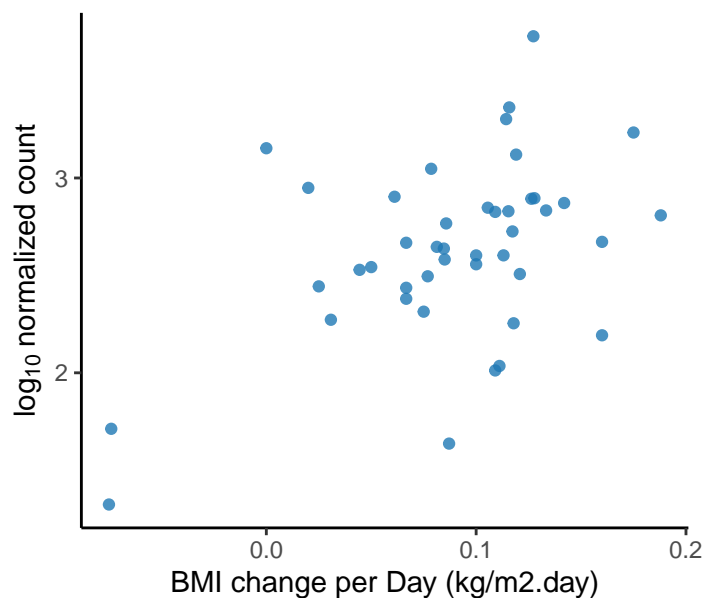
Unclassified Comamonadaceae Family

adjusted p = 0.0166



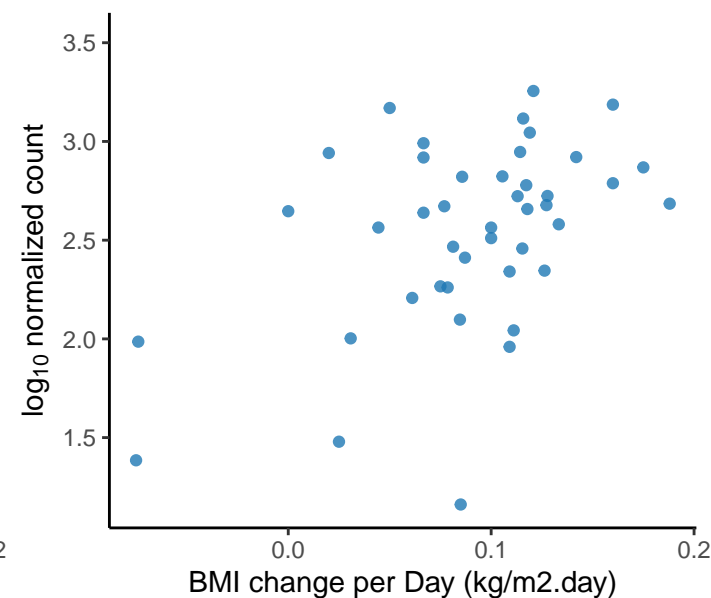
*Alloprevotella*

adjusted p = 0.0174



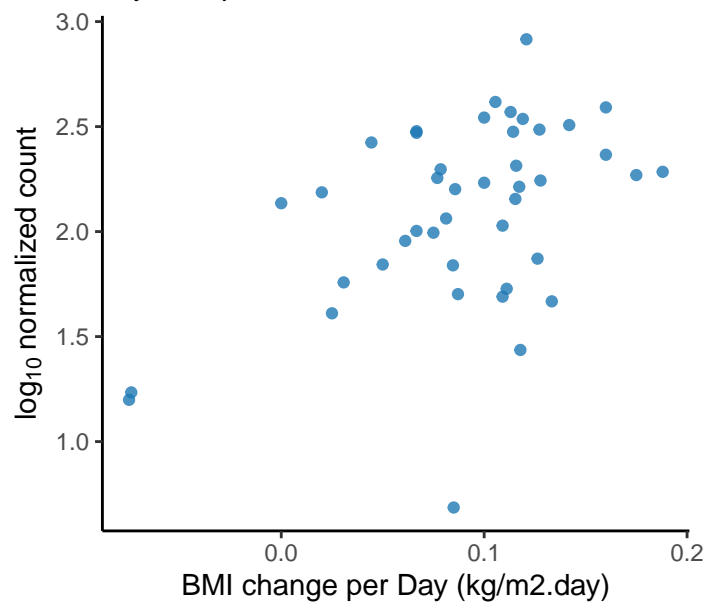
*Streptosporangium*

adjusted p = 0.0174

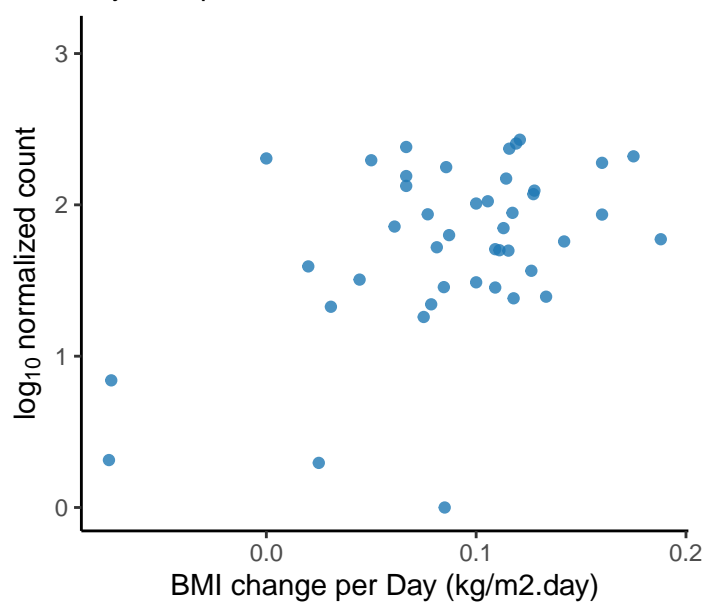


**Geoalkalibacter**

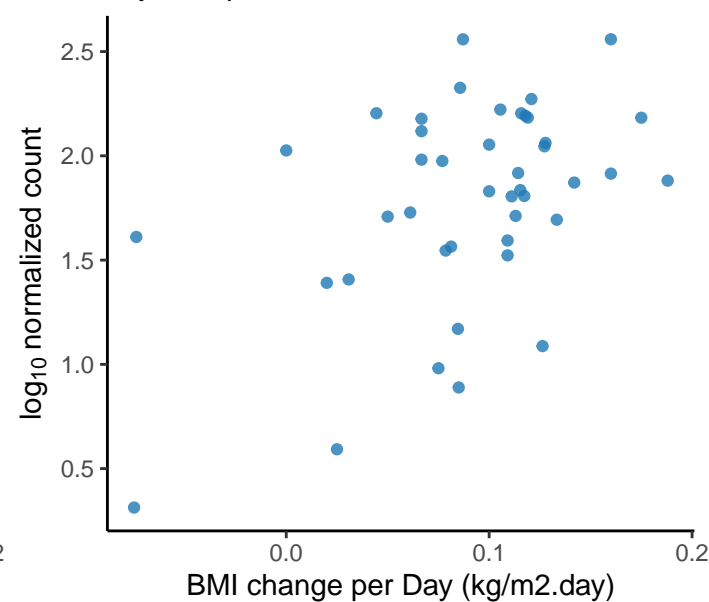
adjusted p = 0.0177

**Luteipulveratus**

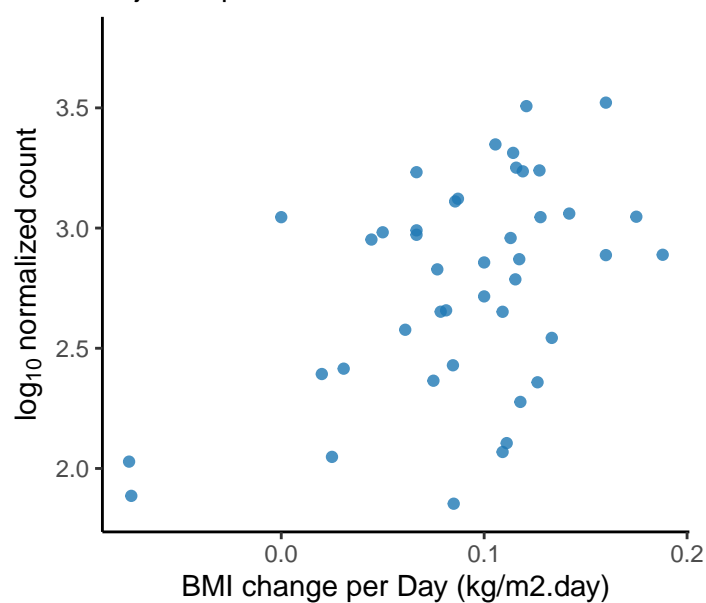
adjusted p = 0.0184

**Marinovum**

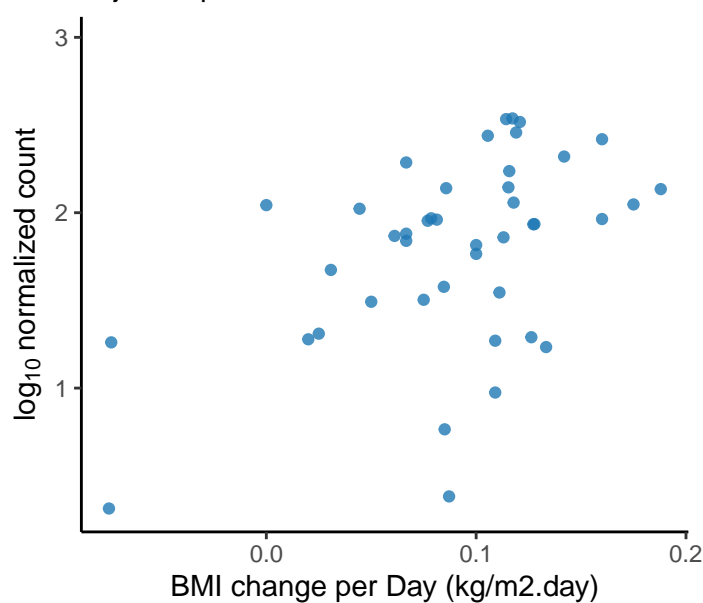
adjusted p = 0.0184

**Hydrogenophaga**

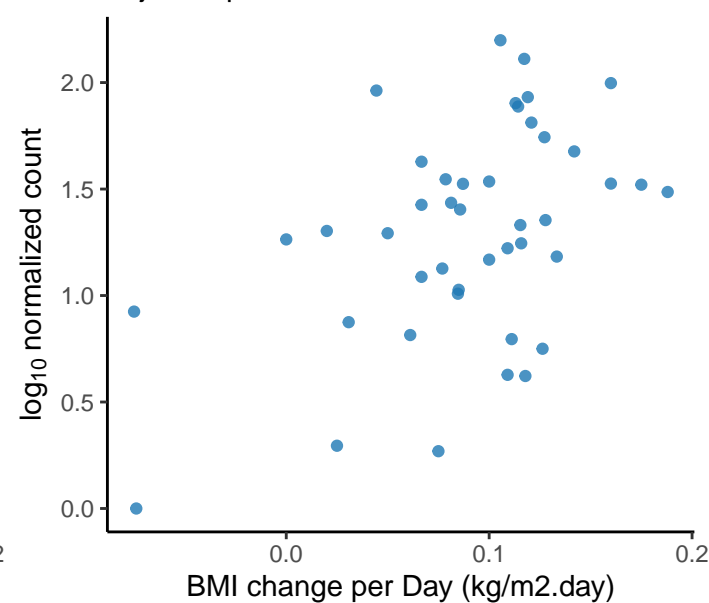
adjusted p = 0.0185

**Magnetospira**

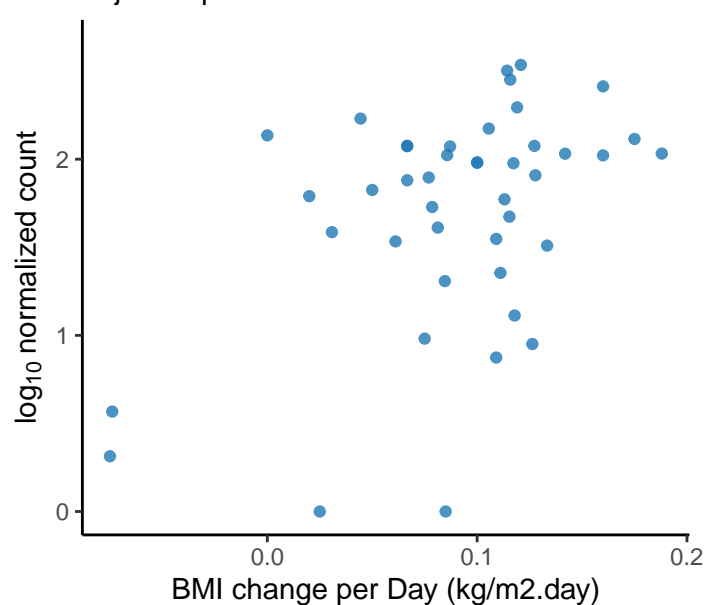
adjusted p = 0.0185

**Unclassified Halieaceae Family**

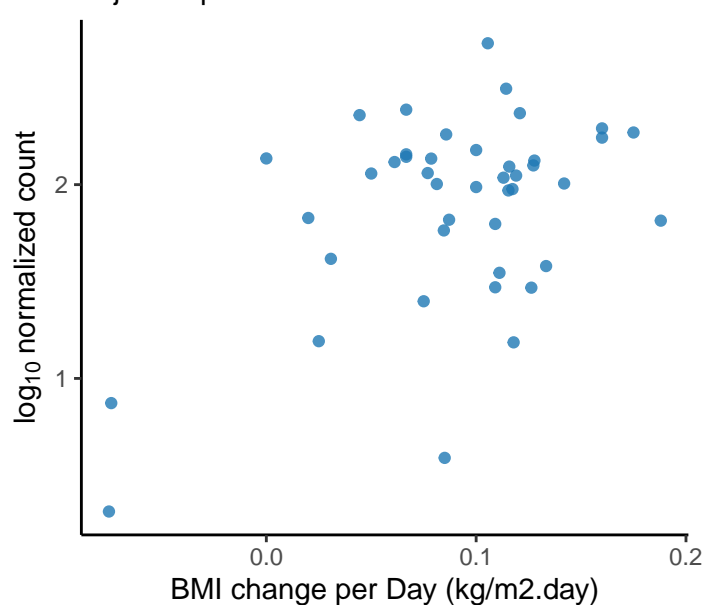
adjusted p = 0.0185

**Citricoccus**

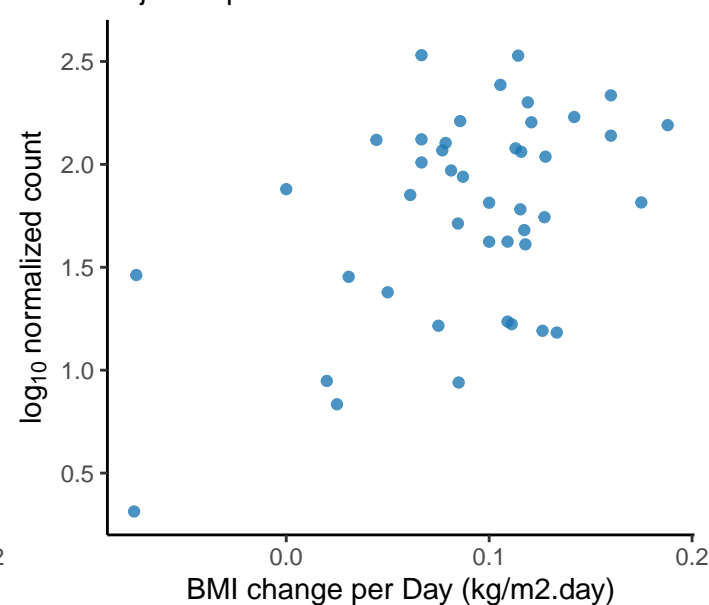
adjusted p = 0.0187

**Methanoculleus**

adjusted p = 0.0188

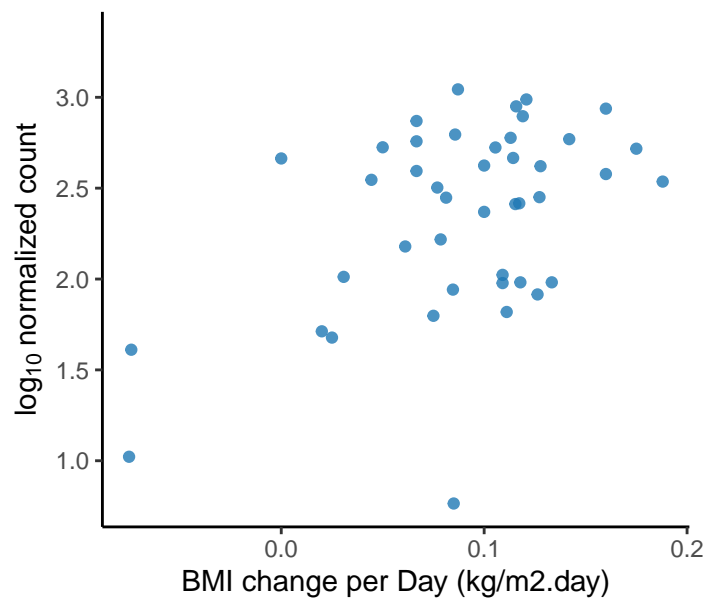
**Unclassified Rhodocyclales Order**

adjusted p = 0.0188



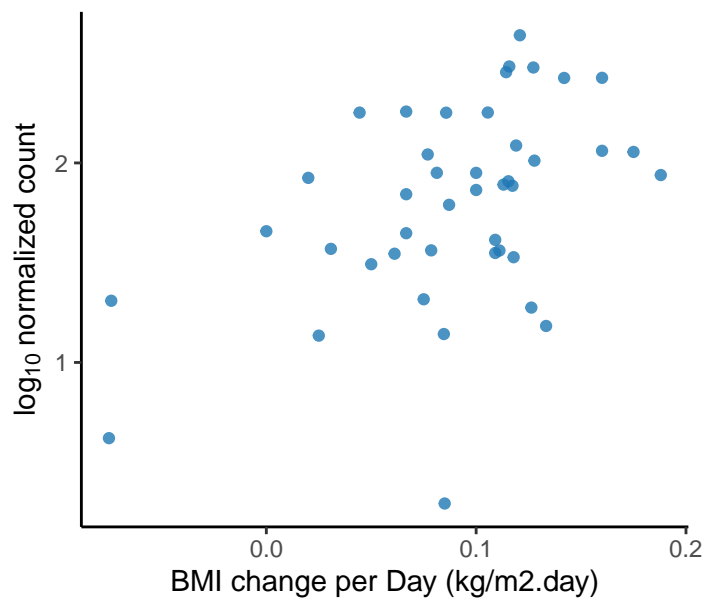
**Phreatobacter**

adjusted p = 0.0189



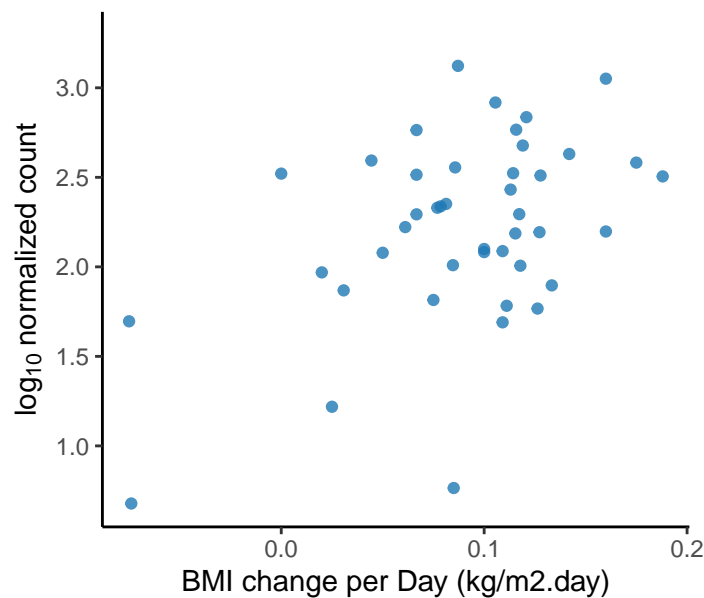
**Unclassified Phycisphaerae Class**

adjusted p = 0.0189



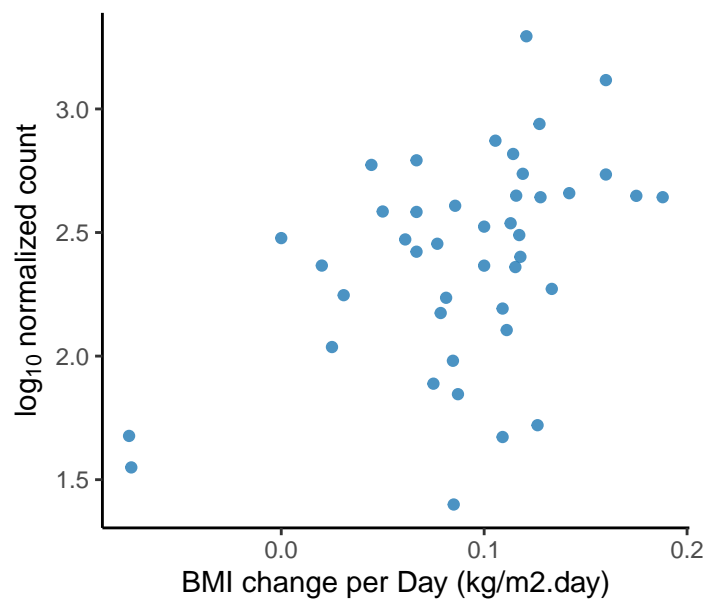
**Pigmentiphaga**

adjusted p = 0.0194



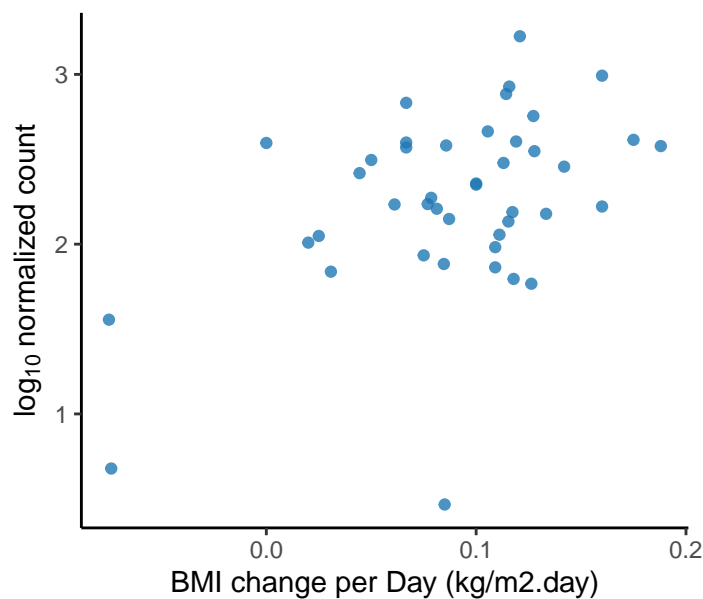
**Desulfococcus**

adjusted p = 0.0197



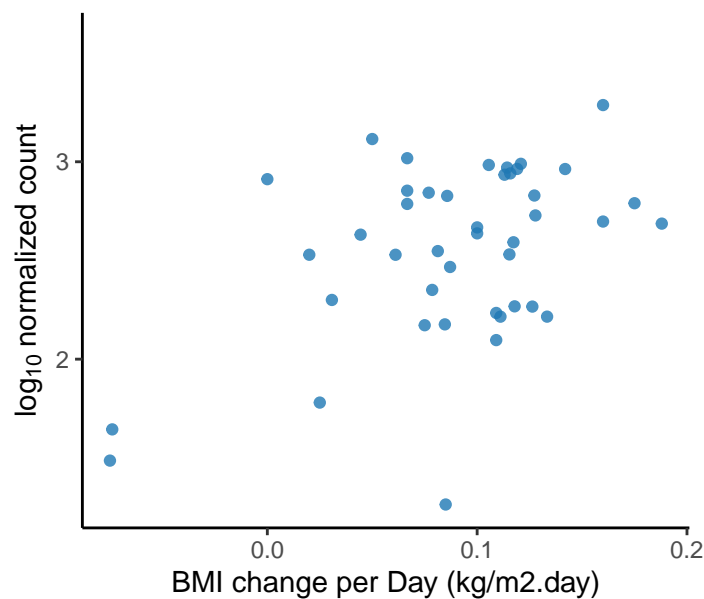
**Mycolicibacter**

adjusted p = 0.0197



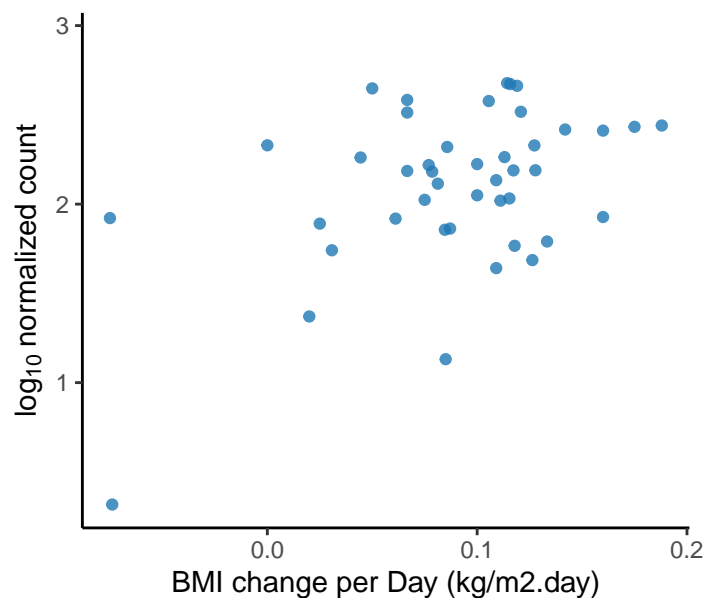
**Tessaracoccus**

adjusted p = 0.0197



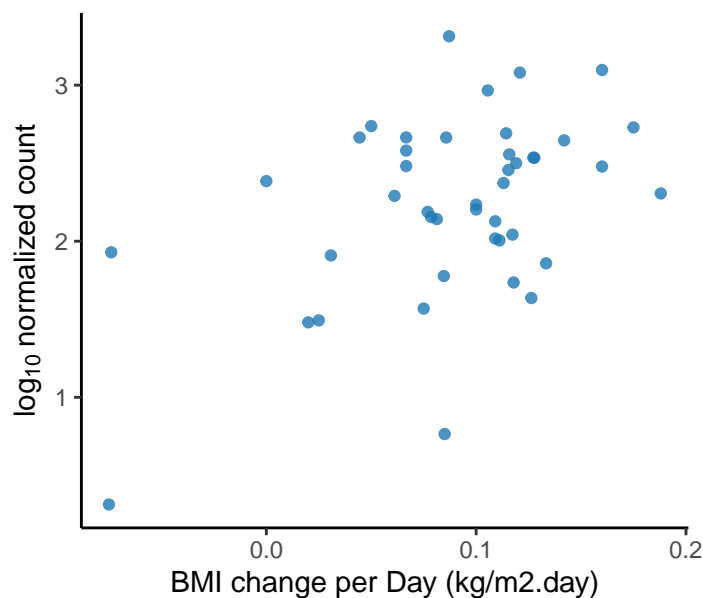
**Paraoceanicella**

adjusted p = 0.0204



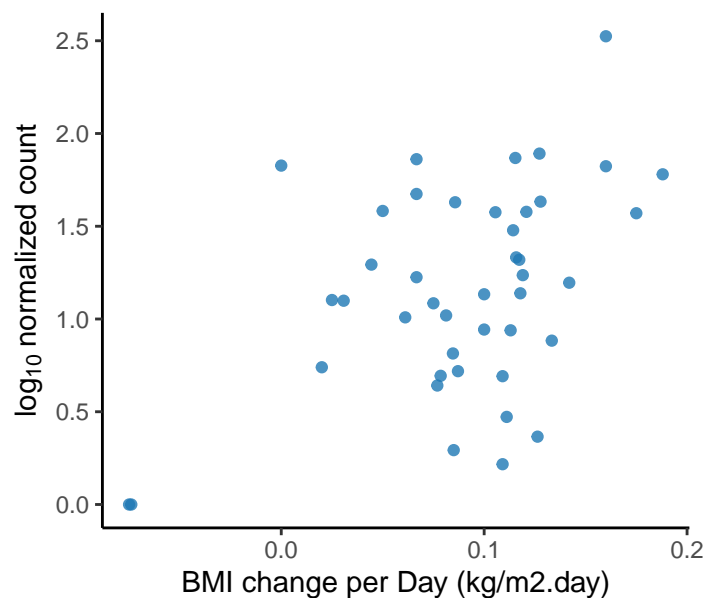
**Minicystis**

adjusted p = 0.0211



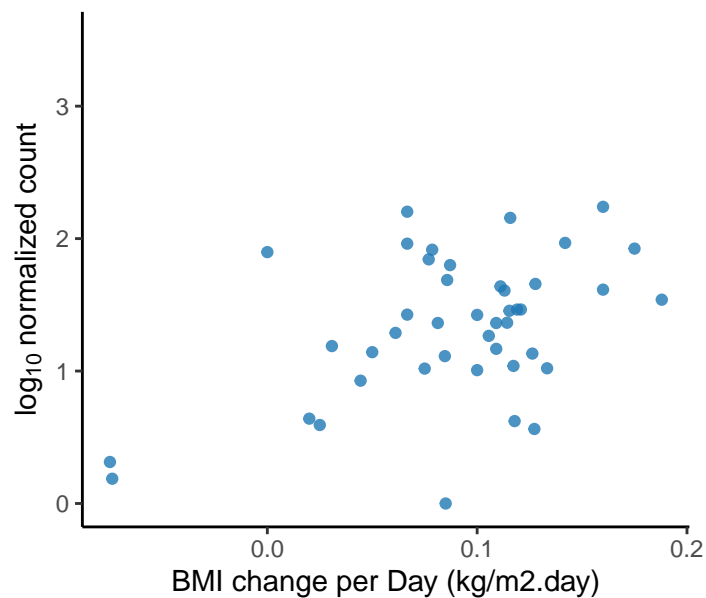
**Thermoproteus**

adjusted p = 0.0214



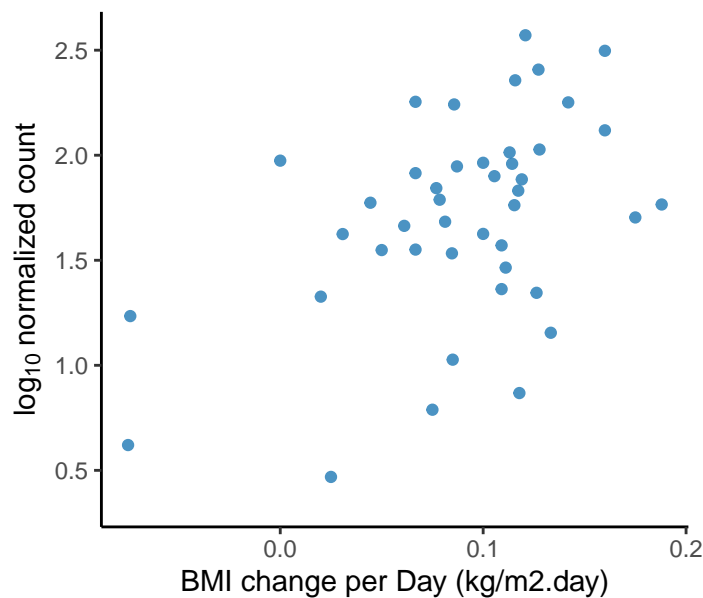
*Zhihengliuella*

adjusted p = 0.0214



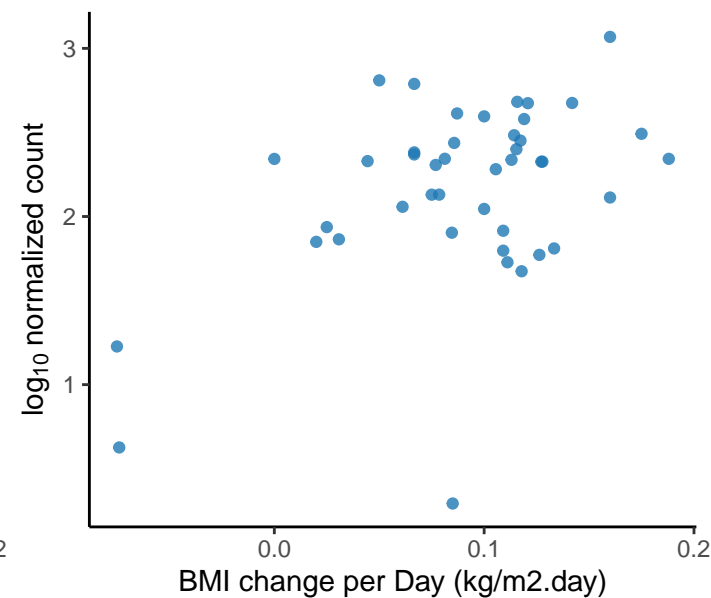
*Epidermidibacterium*

adjusted p = 0.0214



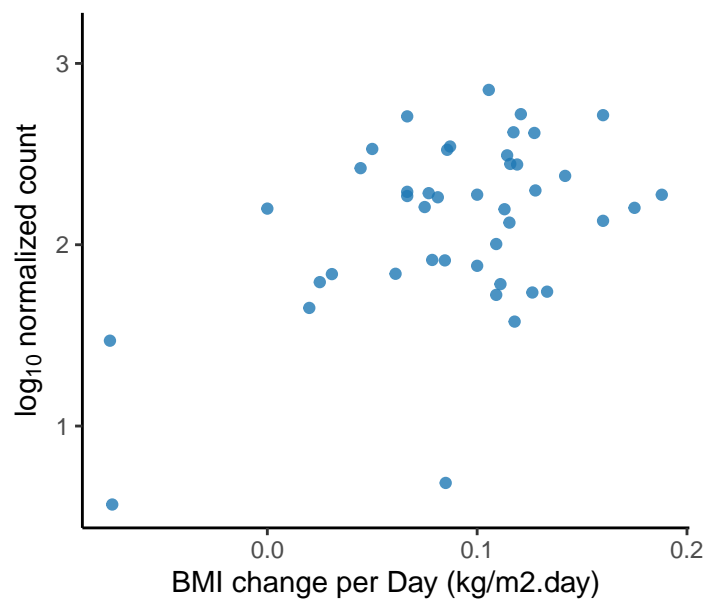
*Halorubrum*

adjusted p = 0.0214



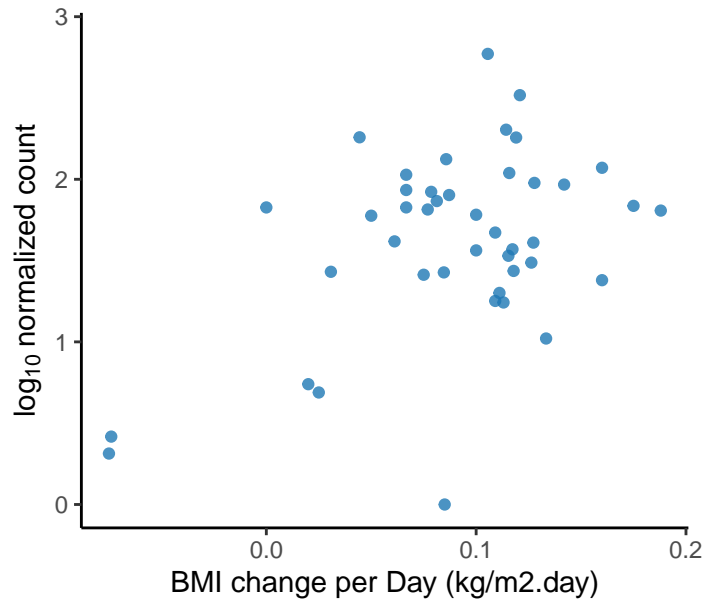
*Roseivivax*

adjusted p = 0.0215



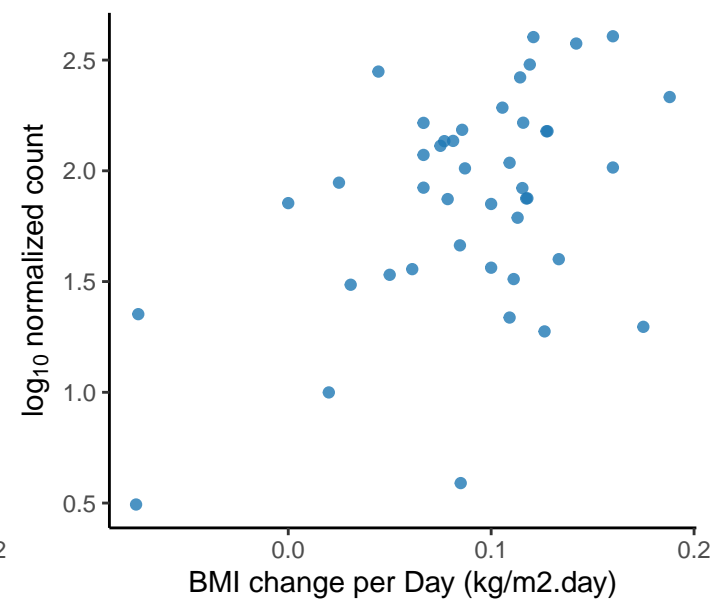
*Variibacter*

adjusted p = 0.0215



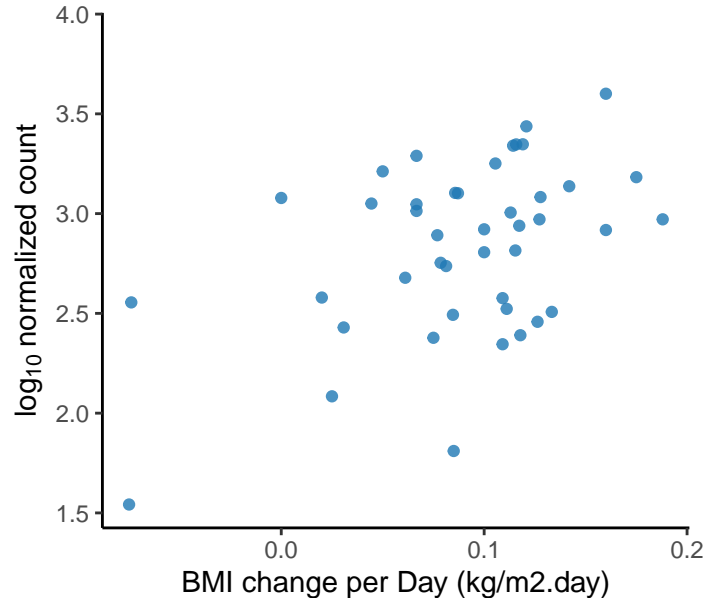
*Verminephrobacter*

adjusted p = 0.0215



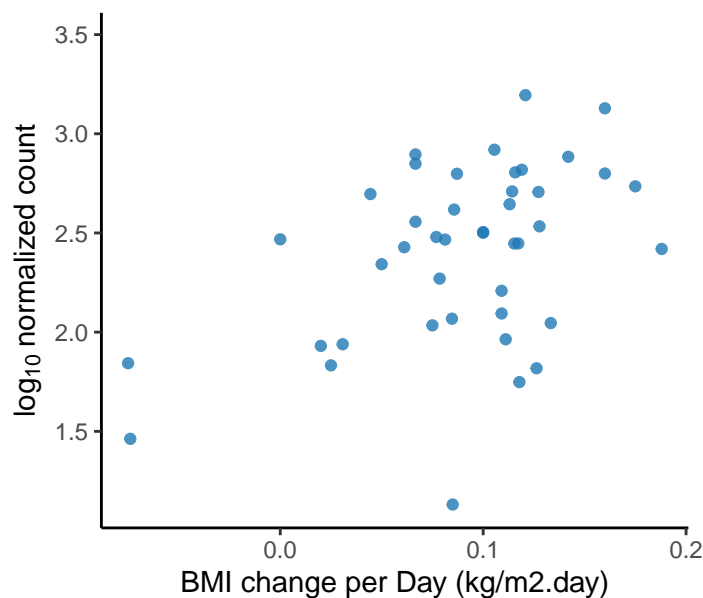
*Gordonia*

adjusted p = 0.0217



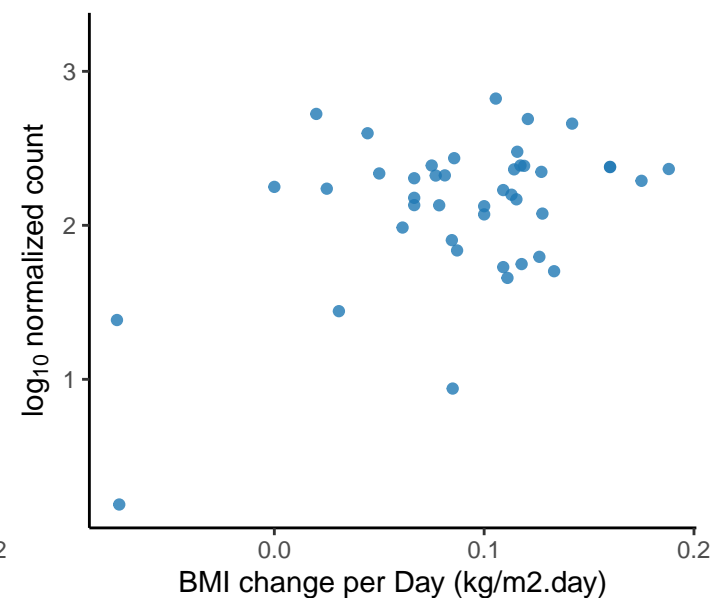
*Archangium*

adjusted p = 0.0218



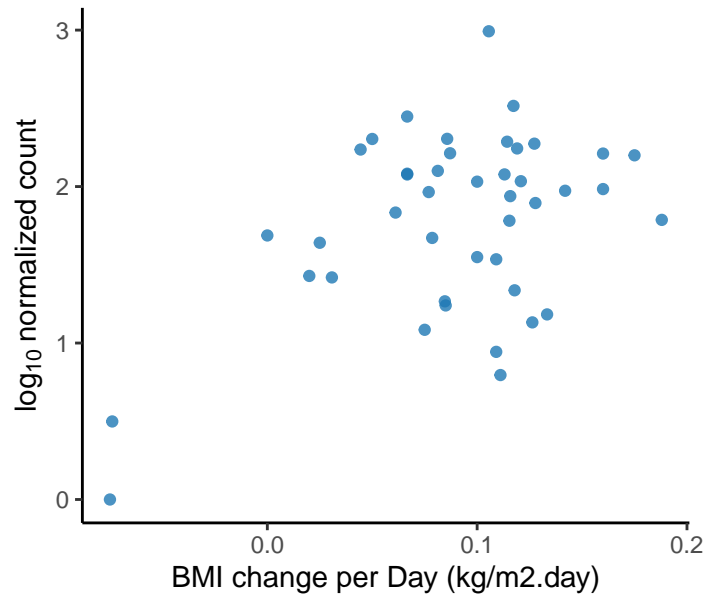
*Microvirgula*

adjusted p = 0.0218



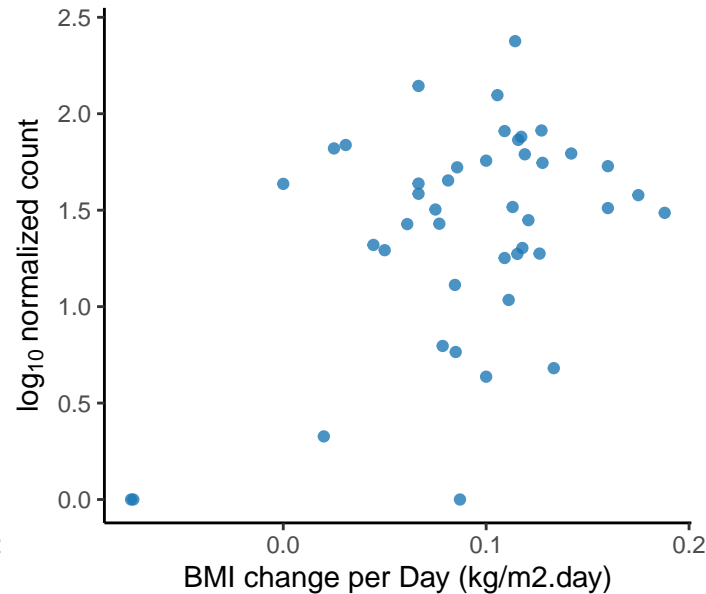
**Pelagibacterium**

adjusted p = 0.0218



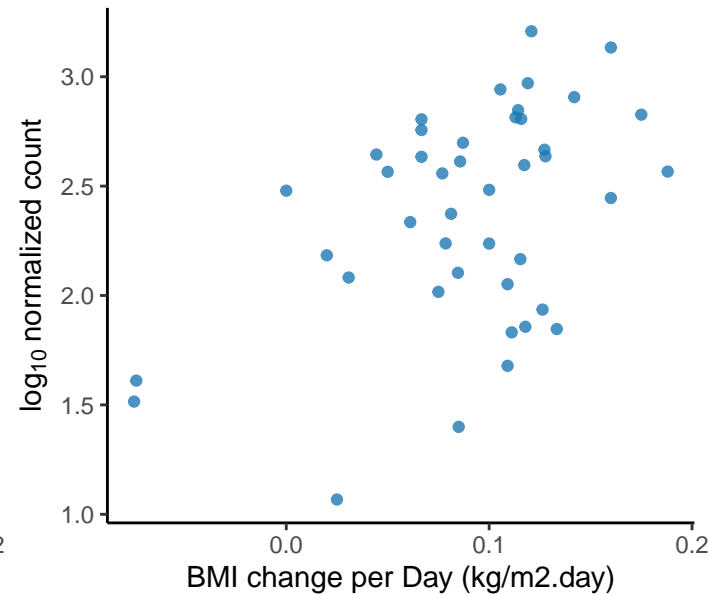
**Unclassified Desulfobacteraceae Family**

adjusted p = 0.0218



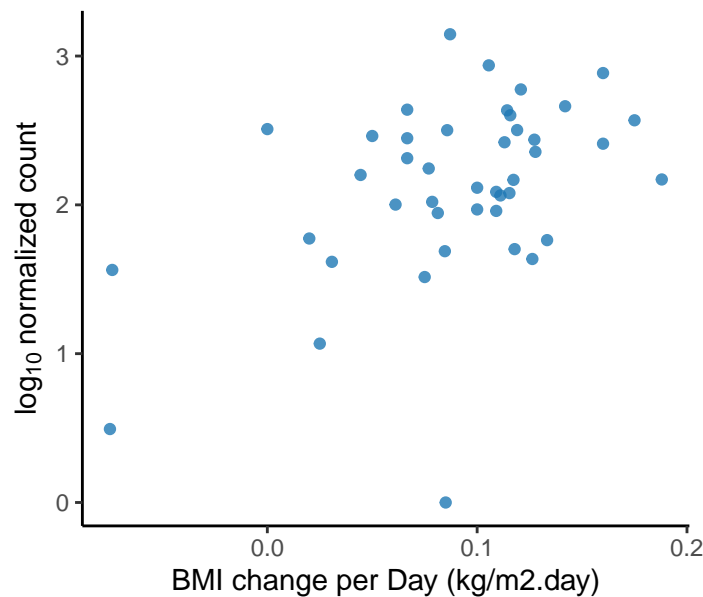
**Unclassified Xanthomonadaceae Family**

adjusted p = 0.022



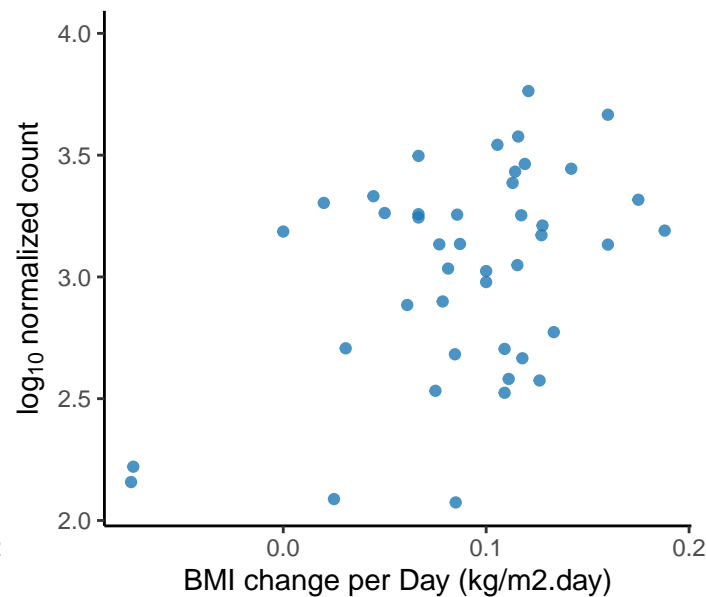
**Catenulispora**

adjusted p = 0.0224



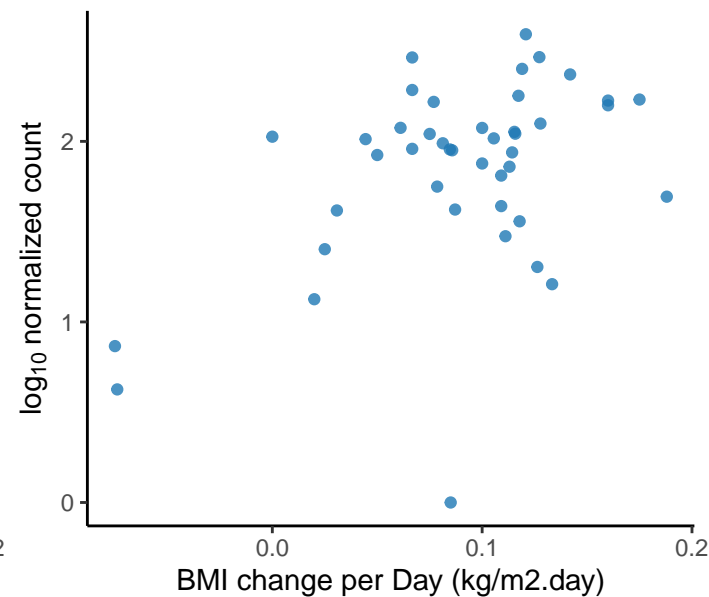
**Paracoccus**

adjusted p = 0.0224



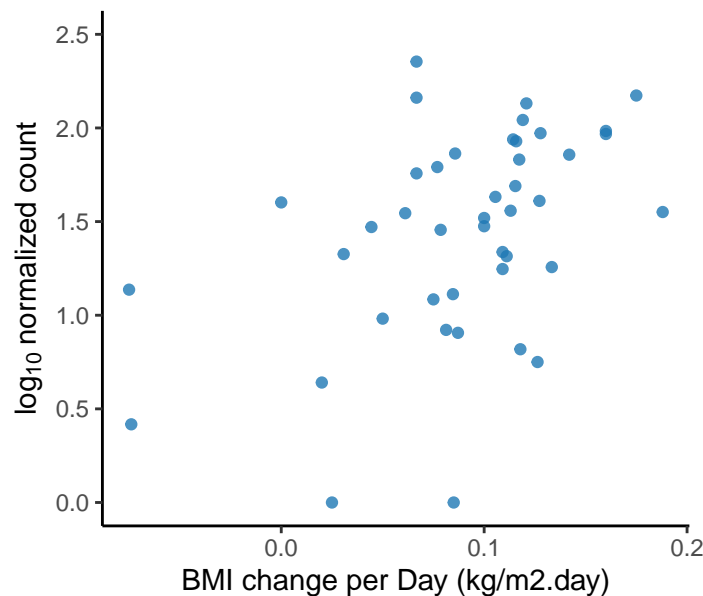
**Thioflavicoccus**

adjusted p = 0.0224



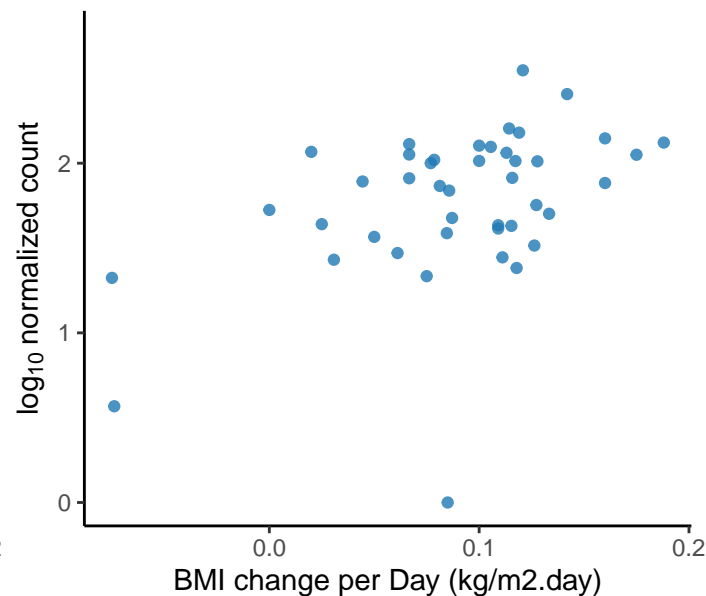
**Candidatus Bipolaricaulis**

adjusted p = 0.023



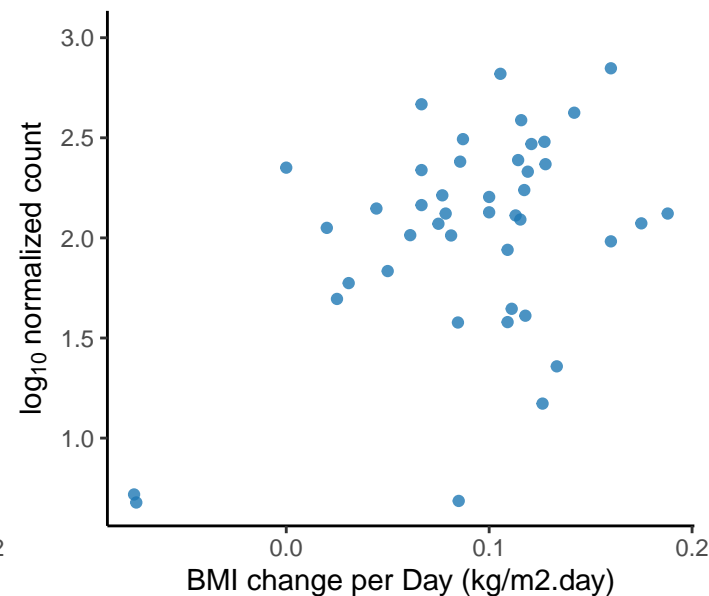
**Chelativorans**

adjusted p = 0.023



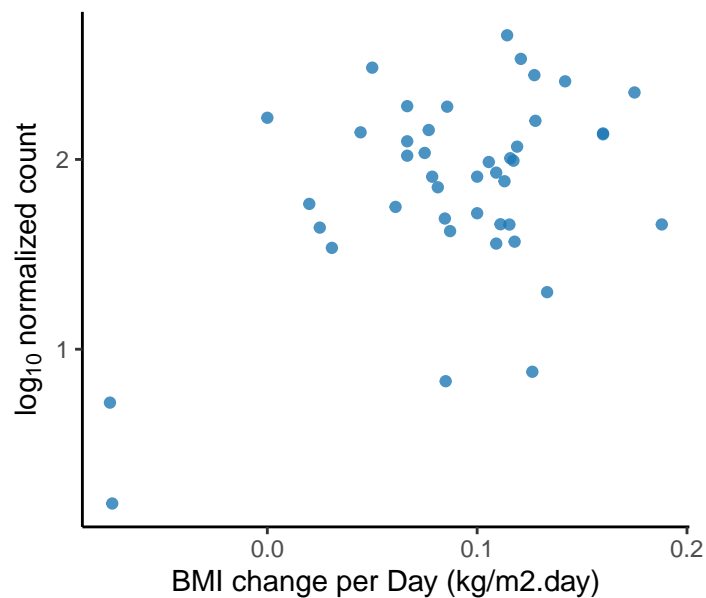
**Chondromyces**

adjusted p = 0.023



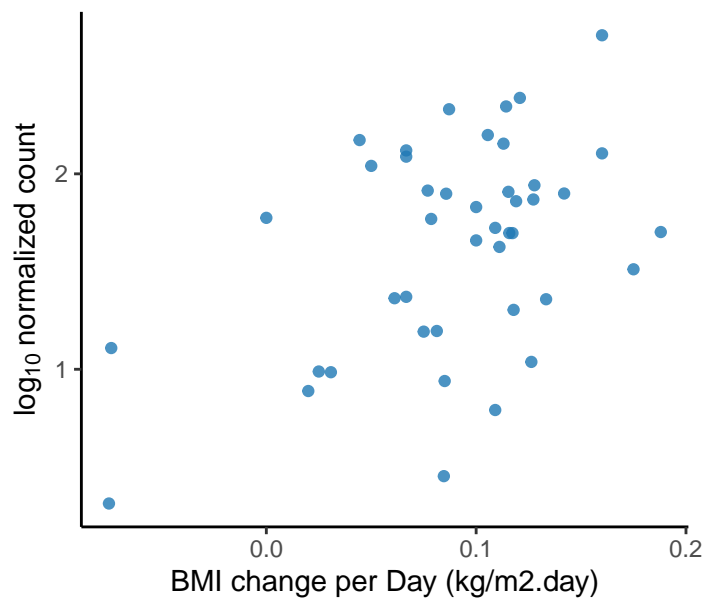
**Mobilicoccus**

adjusted p = 0.023



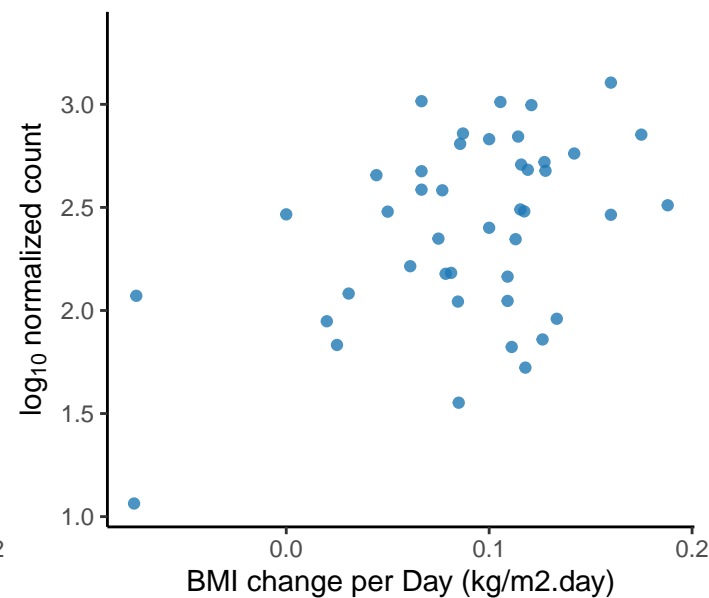
**Simplicispira**

adjusted p = 0.023



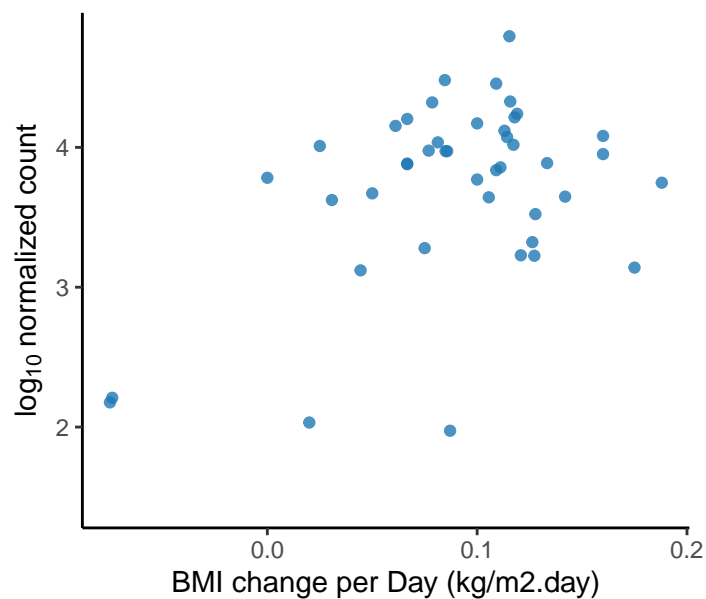
**Alicyclobacillus**

adjusted p = 0.0233



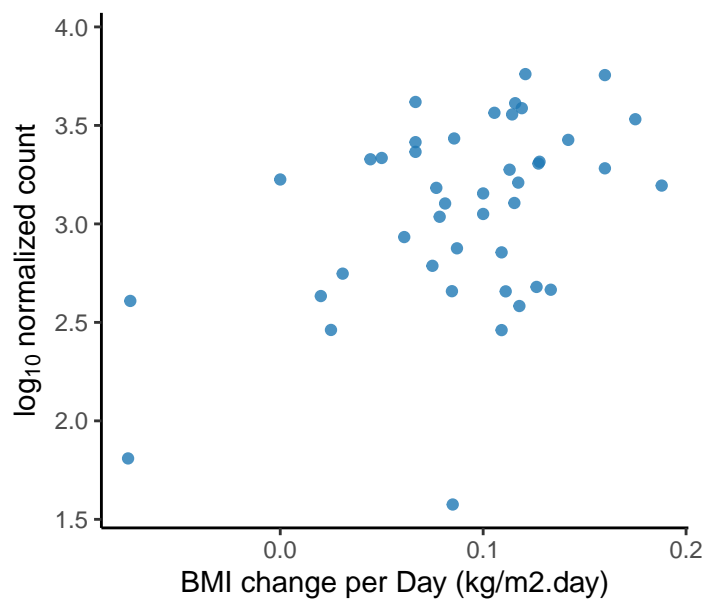
**Butyricimonas**

adjusted p = 0.0233



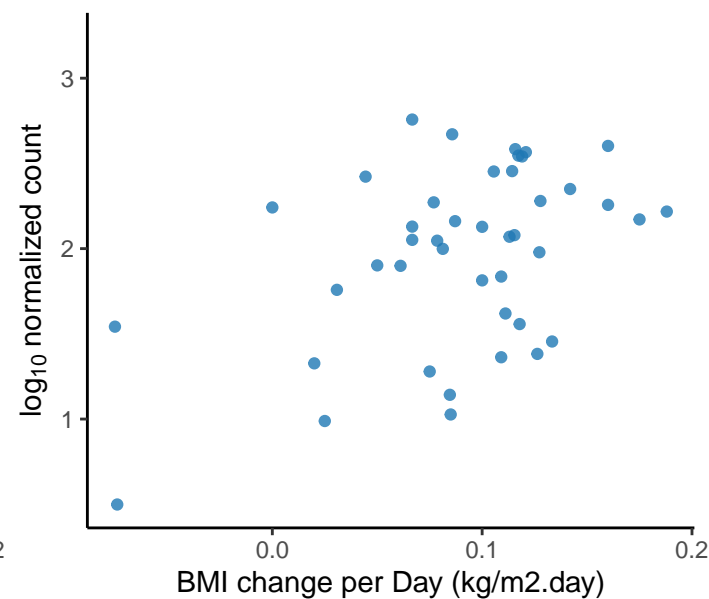
**Methylobacterium**

adjusted p = 0.0235



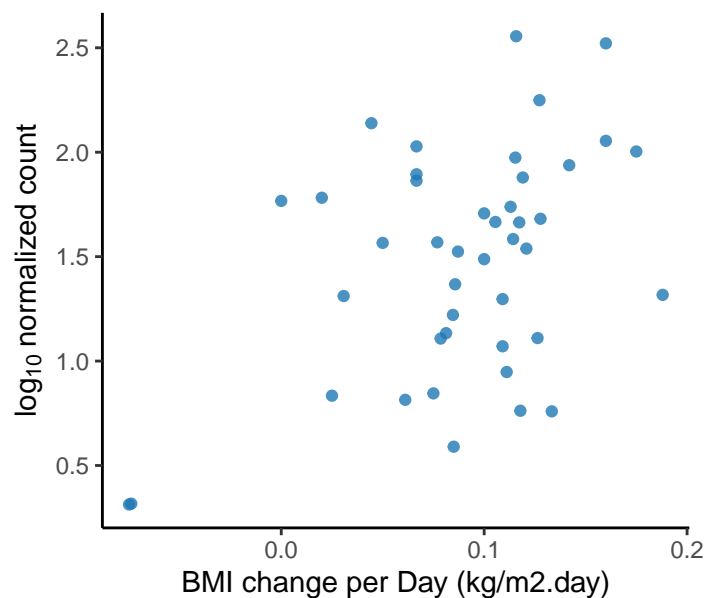
**Mitsuaria**

adjusted p = 0.0235



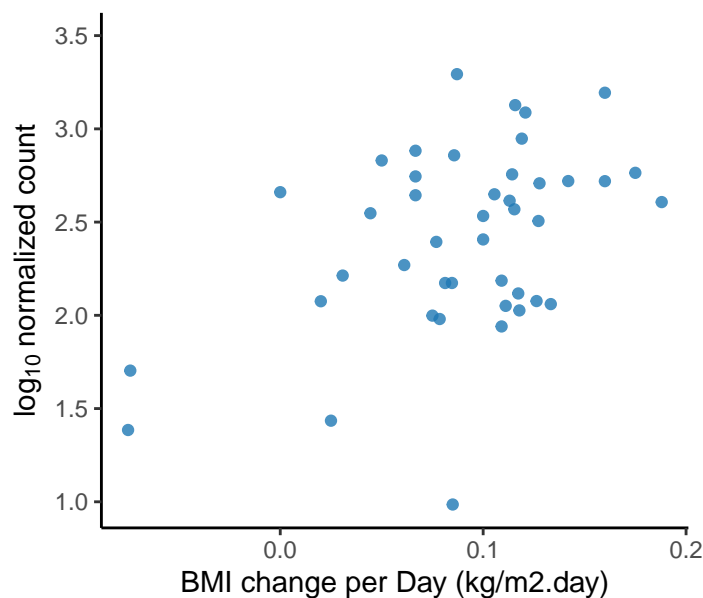
**Halovivax**

adjusted p = 0.0238



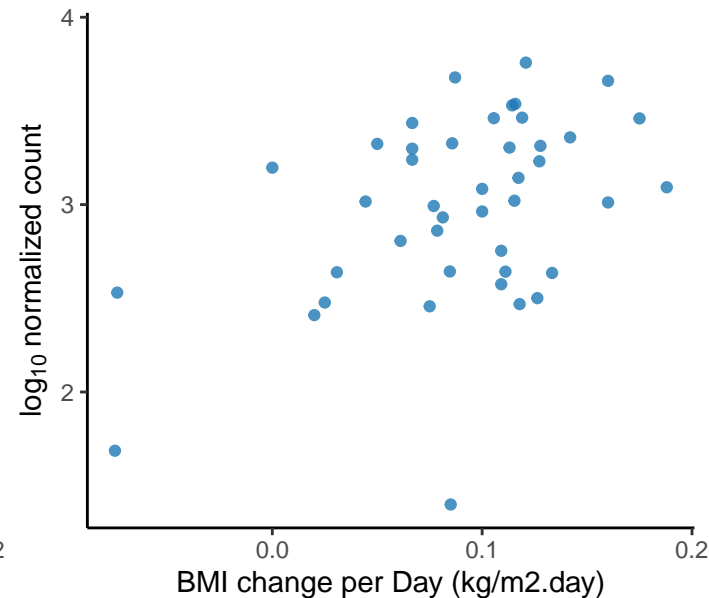
**Jiangella**

adjusted p = 0.0238



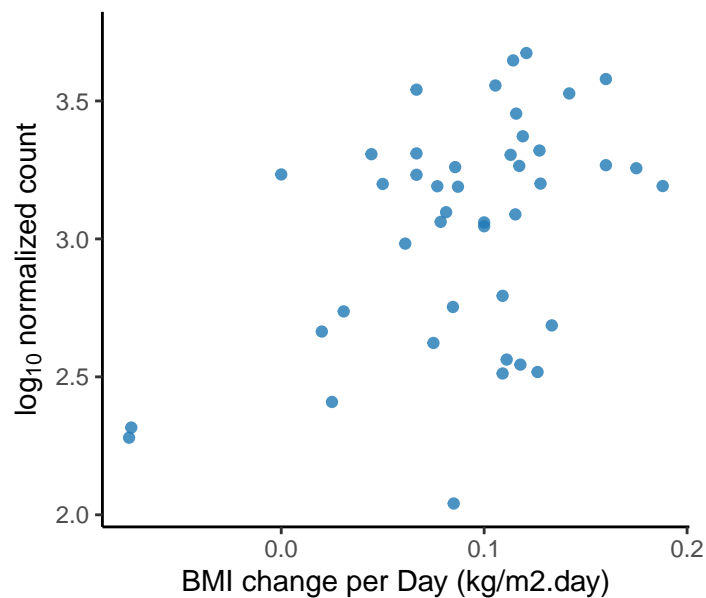
**Amycolatopsis**

adjusted p = 0.0239



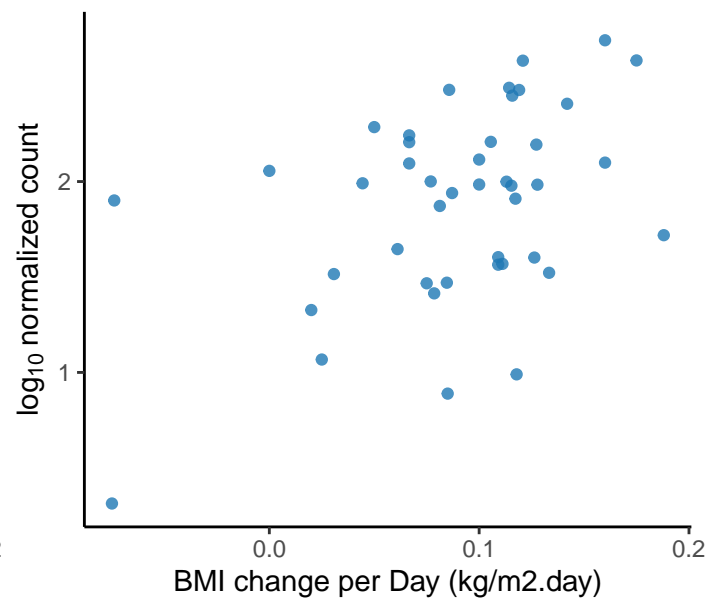
### Sphingobium

adjusted p = 0.0242



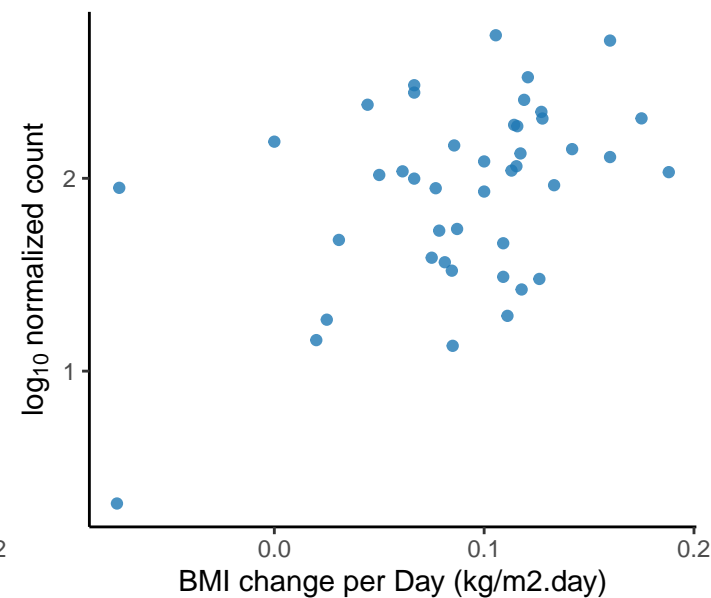
### Arsenicicoccus

adjusted p = 0.0246



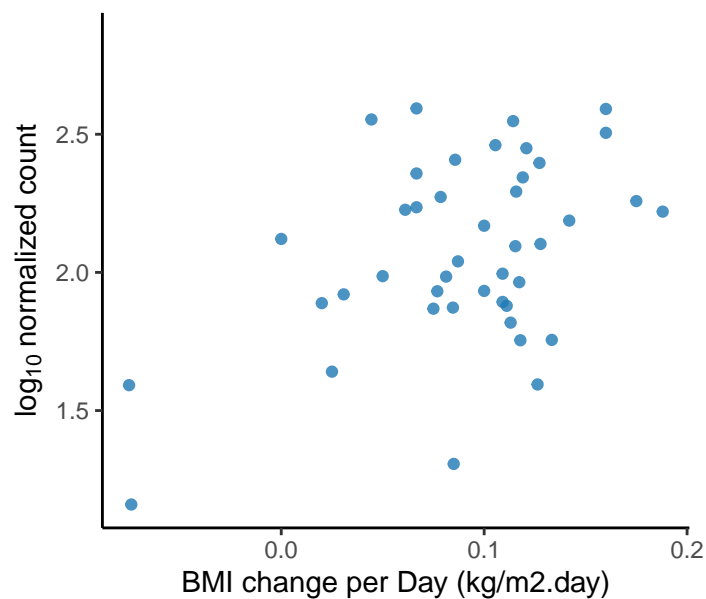
### Unclassified Methanomassiliicoccaceae

adjusted p = 0.0248



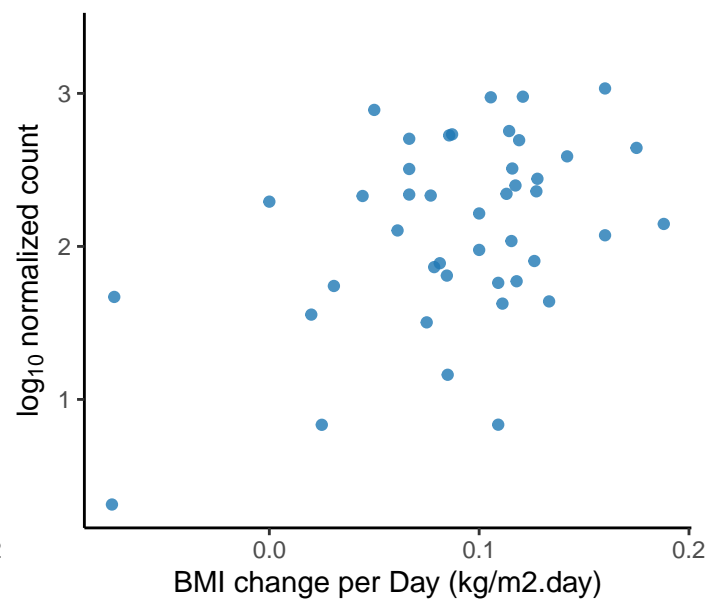
### Hahella

adjusted p = 0.0249



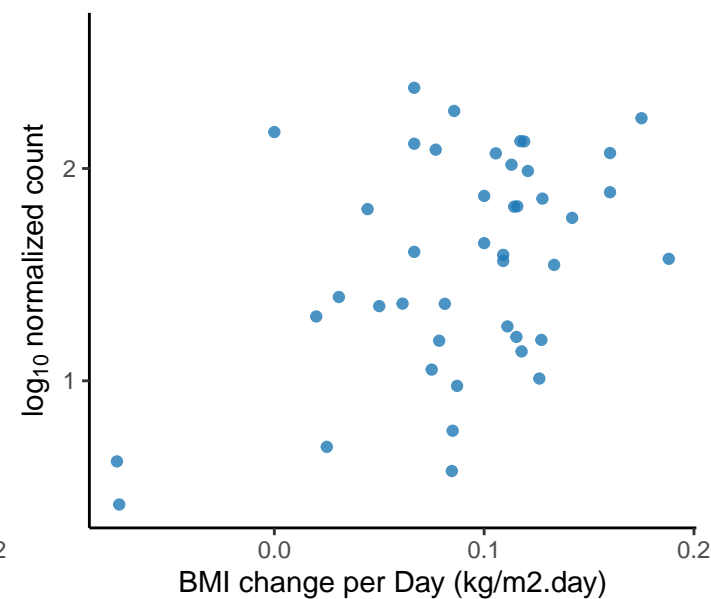
### Melittangium

adjusted p = 0.0251



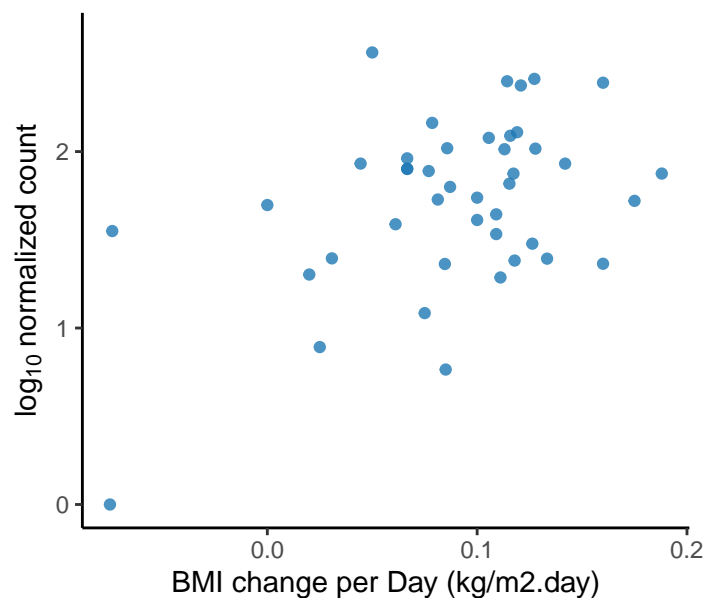
### Natronomonas

adjusted p = 0.0257



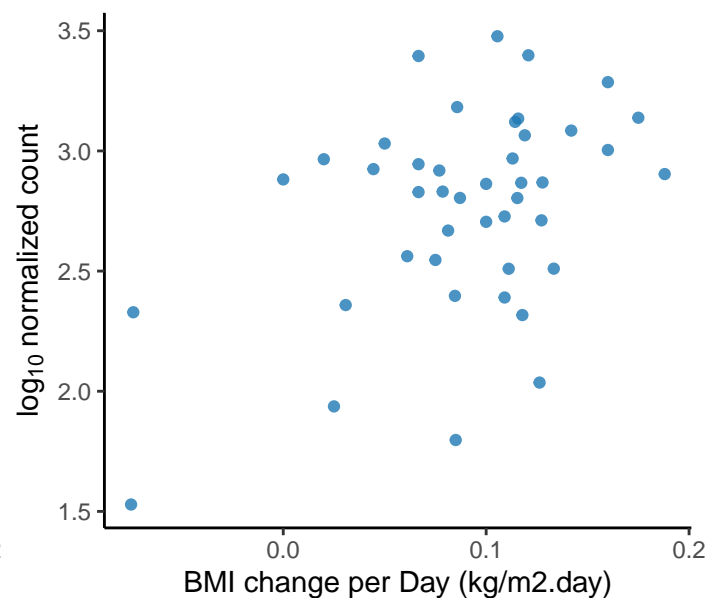
### Allochrodatum

adjusted p = 0.026



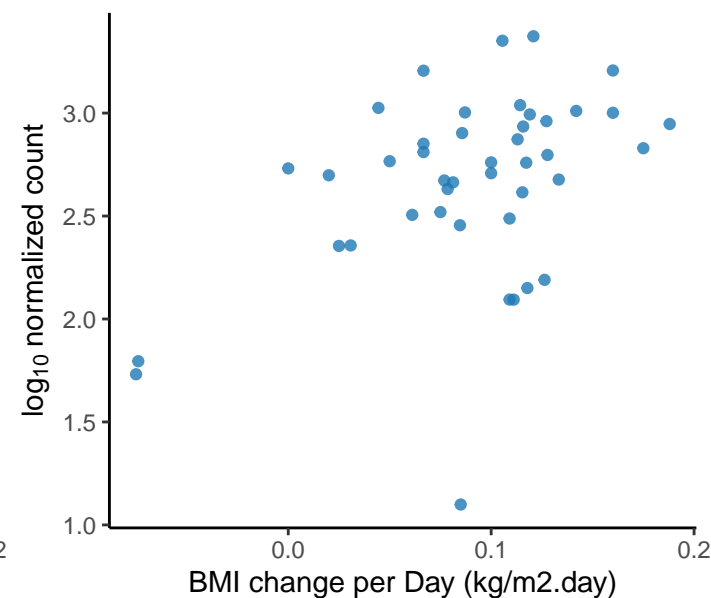
### Unclassified Burkholderiaceae Family

adjusted p = 0.0261



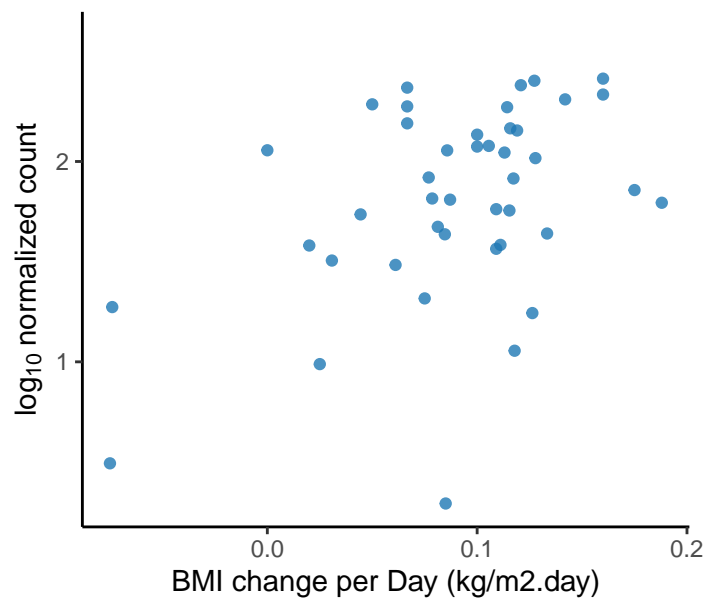
### Pseudarthrobacter

adjusted p = 0.0262



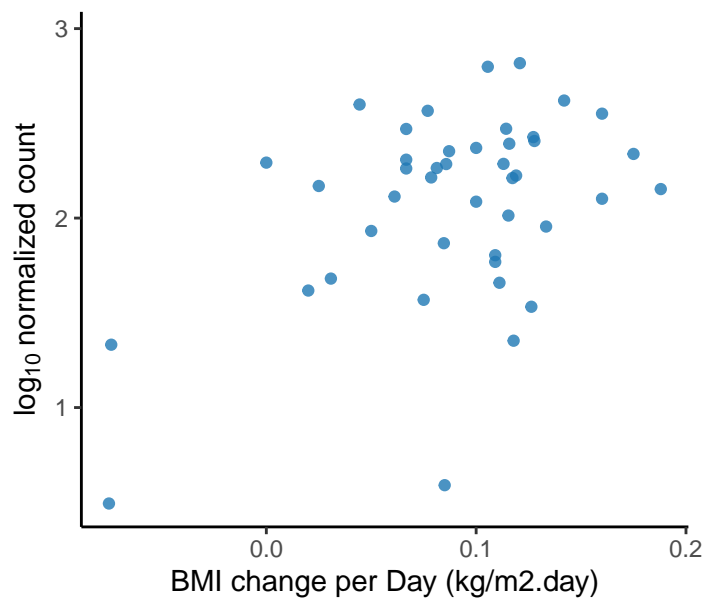
Unclassified Propionibacteriales Order

adjusted p = 0.0262



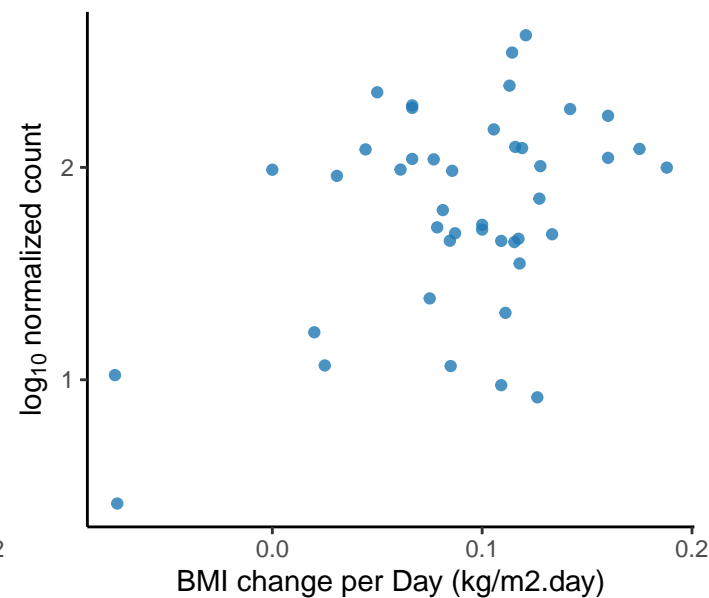
Vogesella

adjusted p = 0.0262



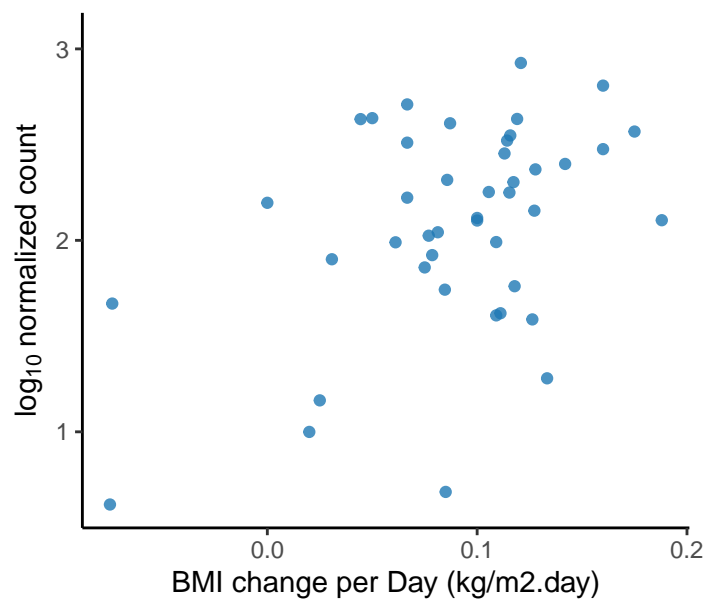
Oryzomicrobium

adjusted p = 0.0263



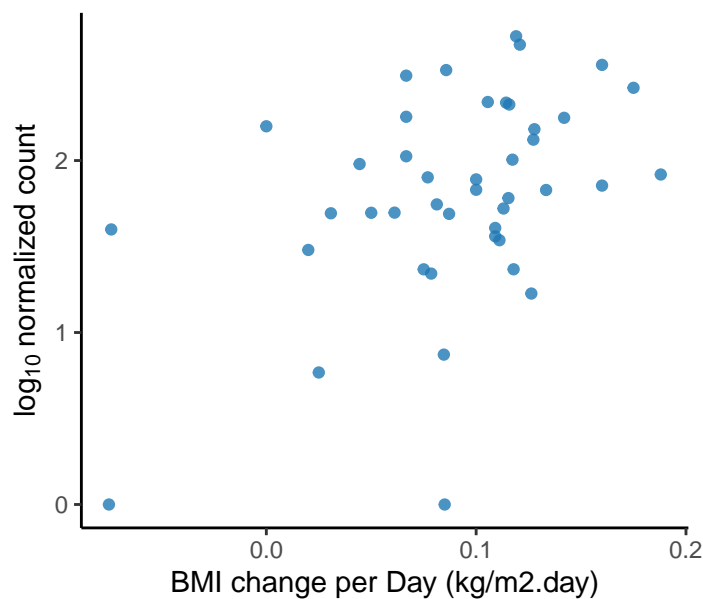
Stella

adjusted p = 0.0263



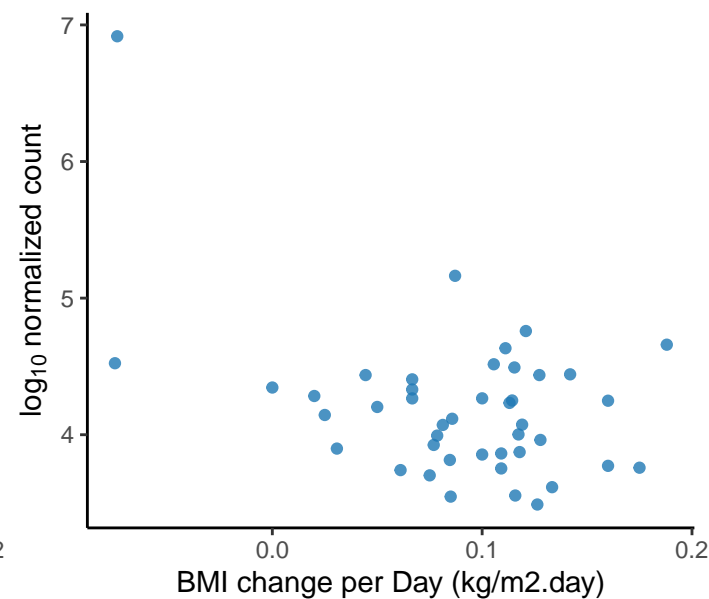
Ilumatobacter

adjusted p = 0.0271



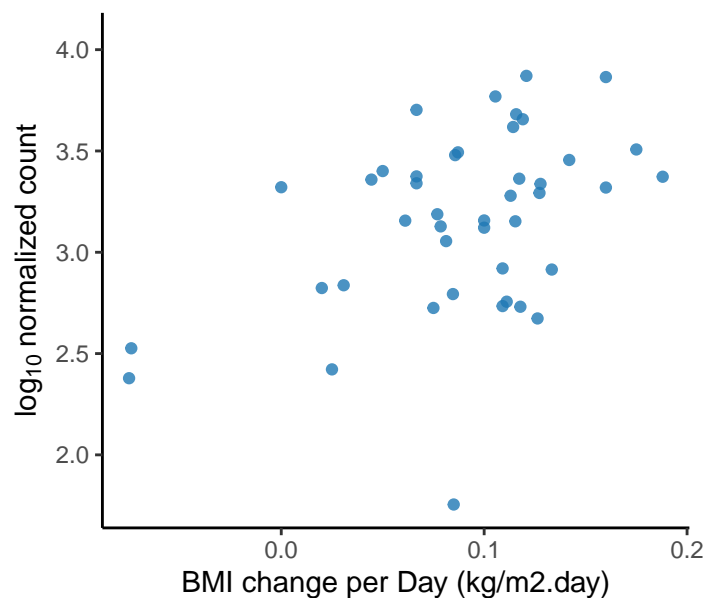
Lactobacillus

adjusted p = 0.028



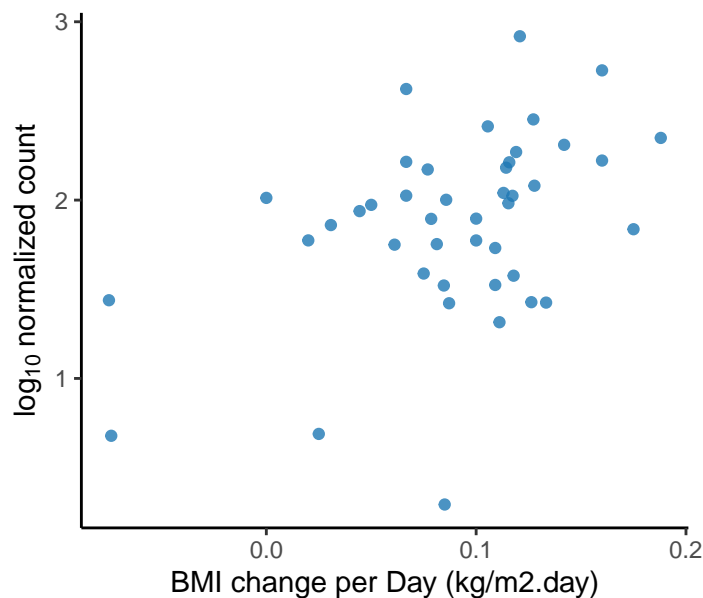
Azospirillum

adjusted p = 0.0284



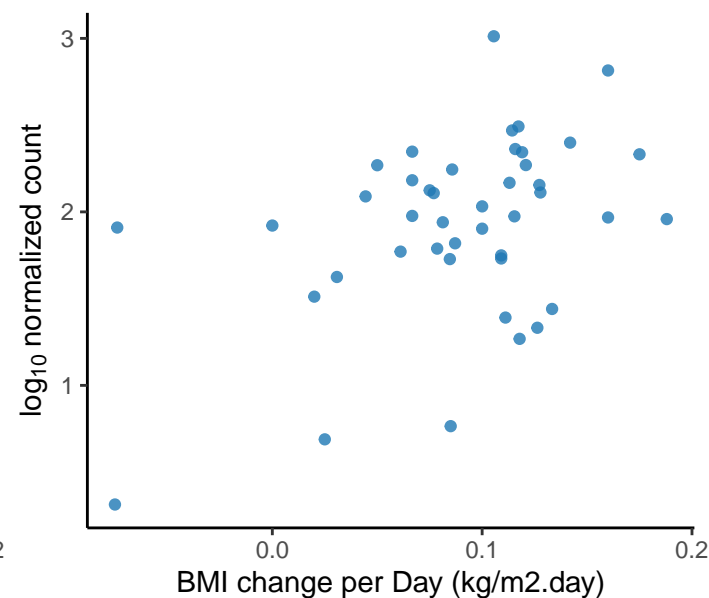
Geitlerinema

adjusted p = 0.0285



Acidiphilium

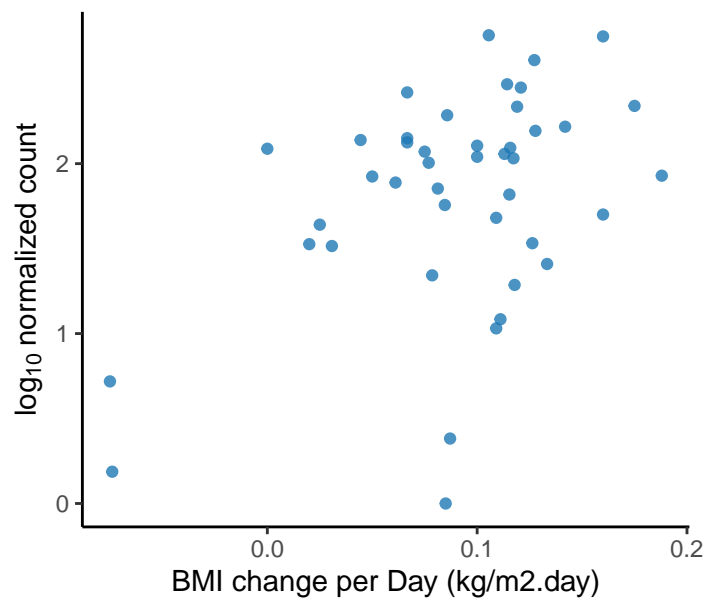
adjusted p = 0.0287





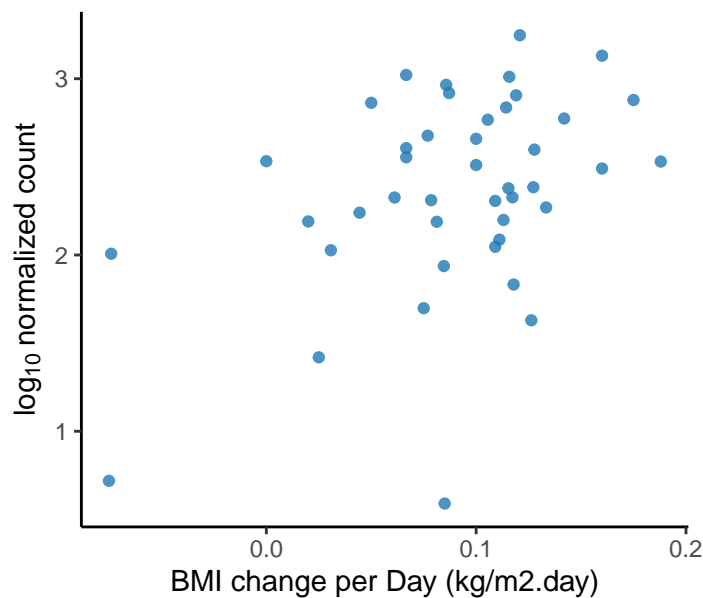
### Marinithermus

adjusted p = 0.0297



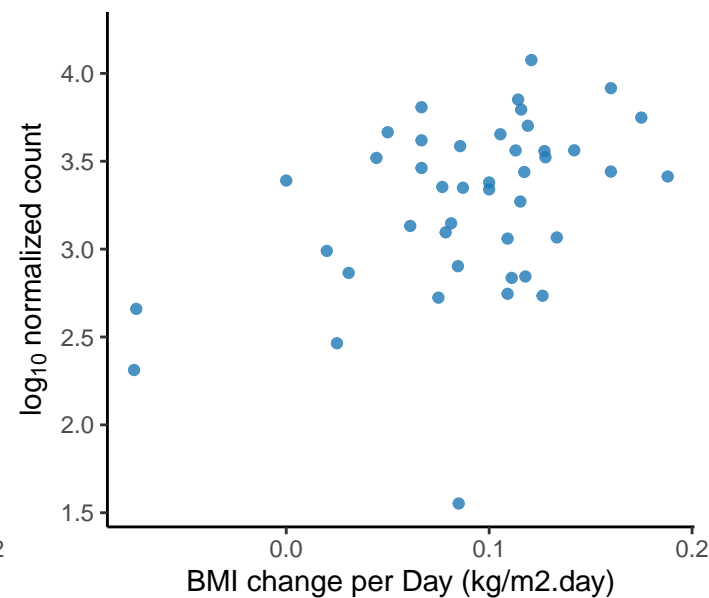
### Methylobacterium

adjusted p = 0.0297



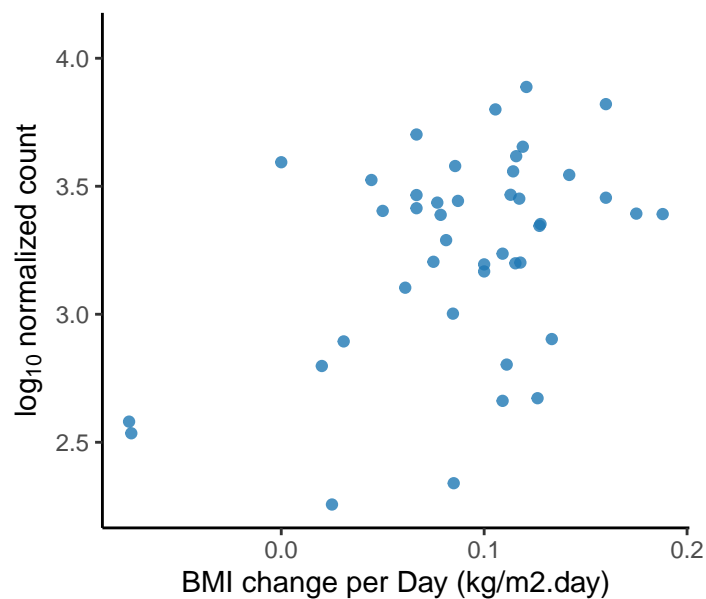
### Micromonospora

adjusted p = 0.0301



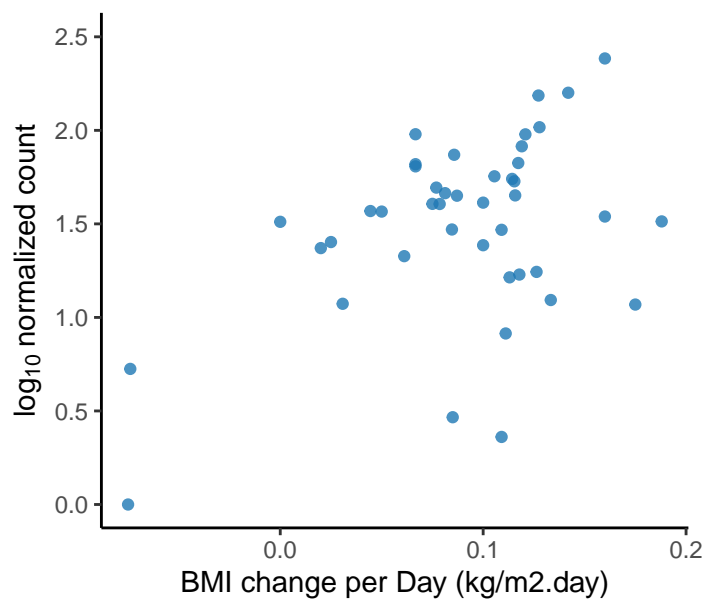
### Unclassified Burkholderiales Order

adjusted p = 0.0301



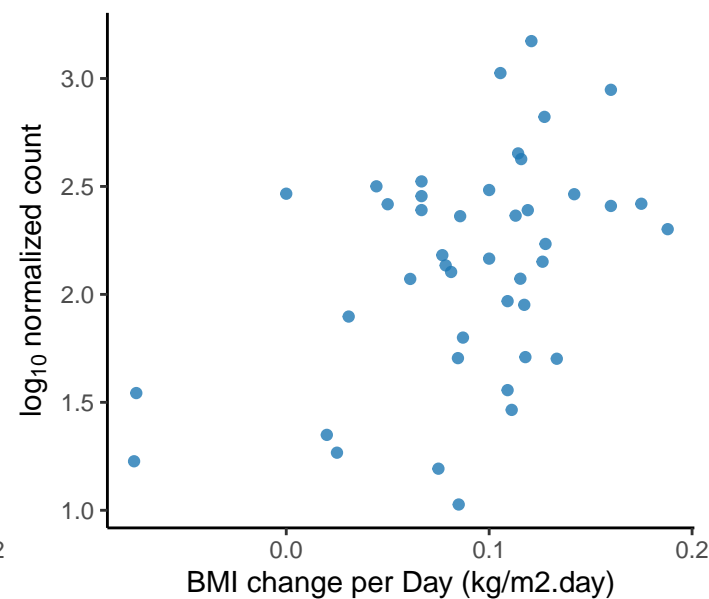
### Beijerinckia

adjusted p = 0.0303



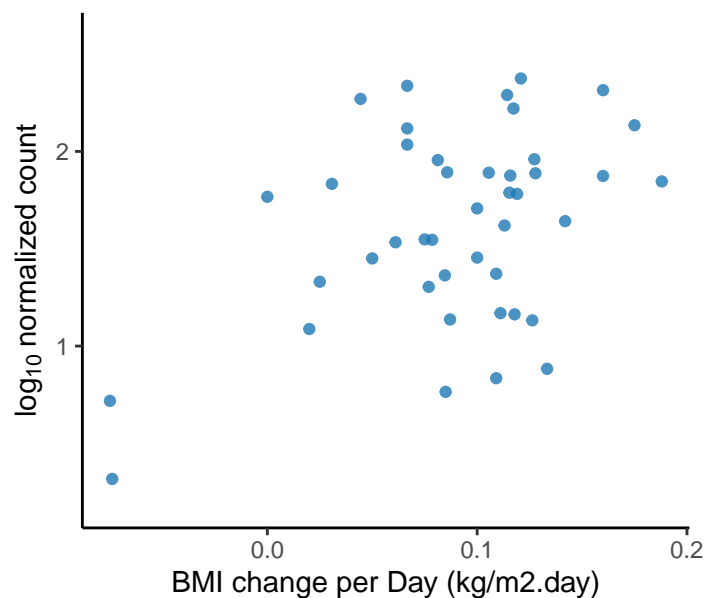
### Zobellella

adjusted p = 0.0308



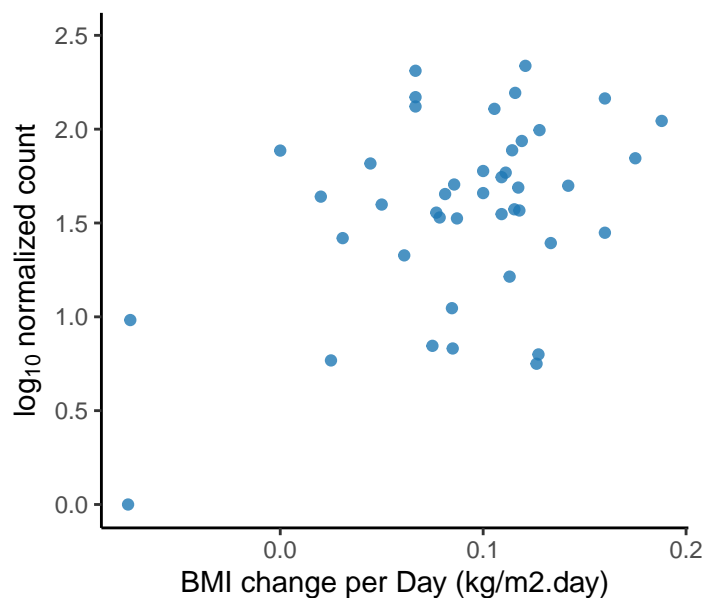
### Natronorubrum

adjusted p = 0.0308



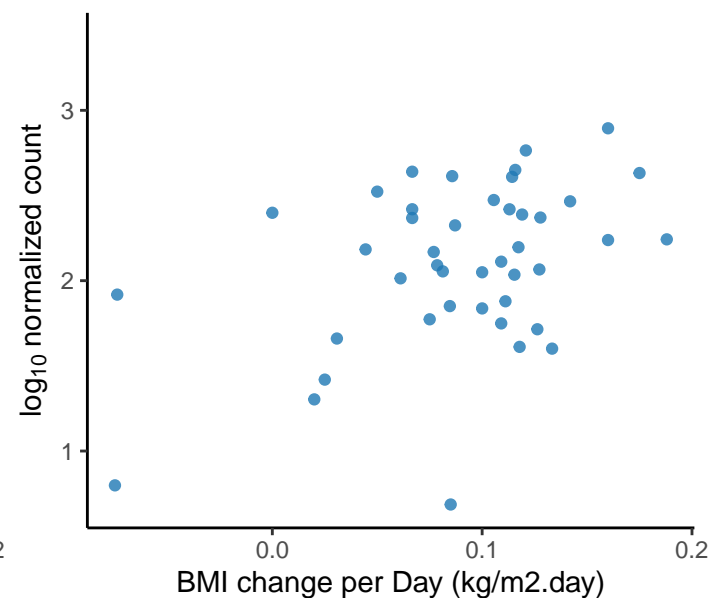
### Haloterrigena

adjusted p = 0.0315



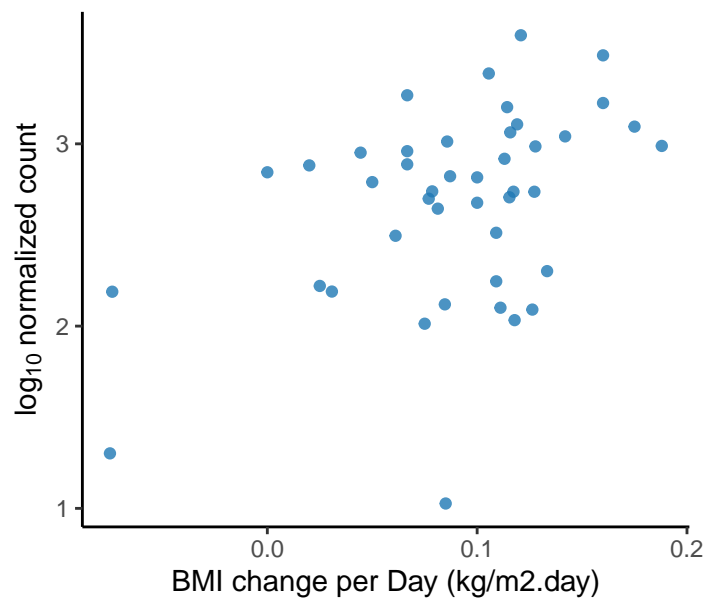
### Lentzea

adjusted p = 0.0315



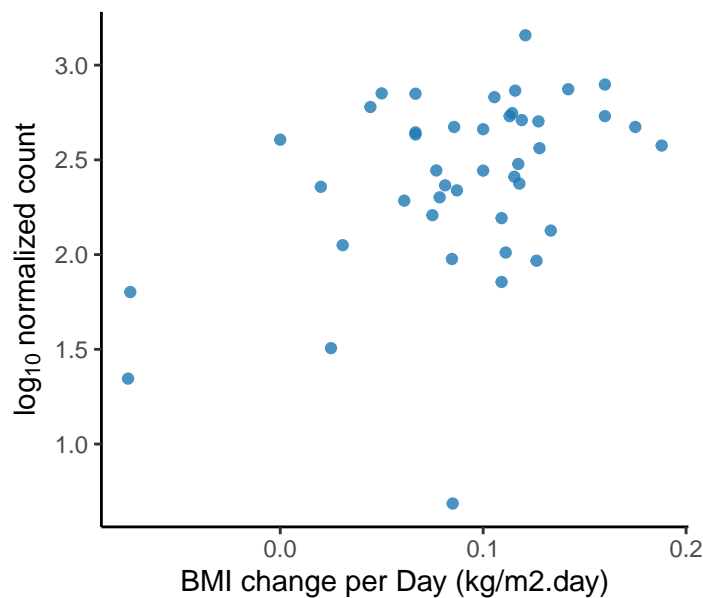
### Myxococcus

adjusted p = 0.0321



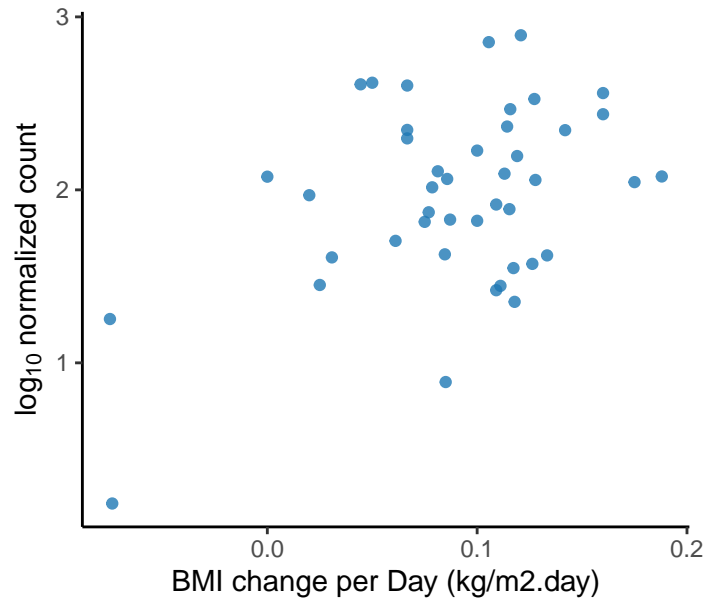
### Martelella

adjusted p = 0.0322



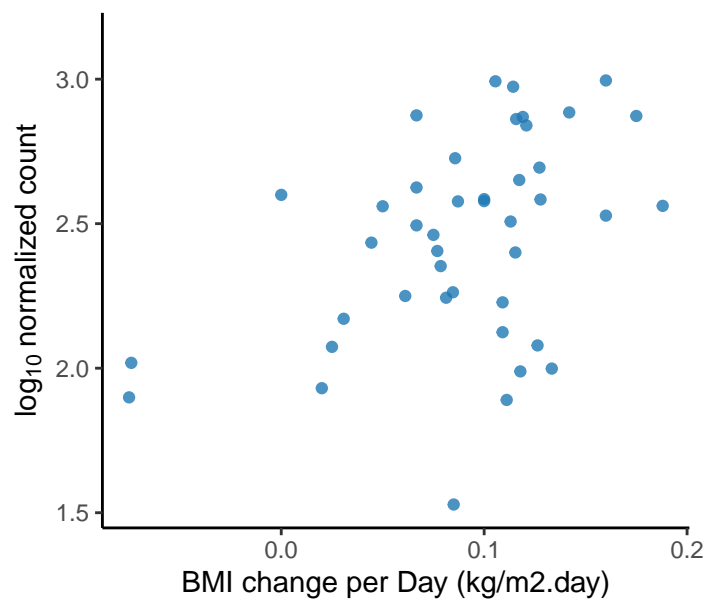
### Oceanimonas

adjusted p = 0.0322



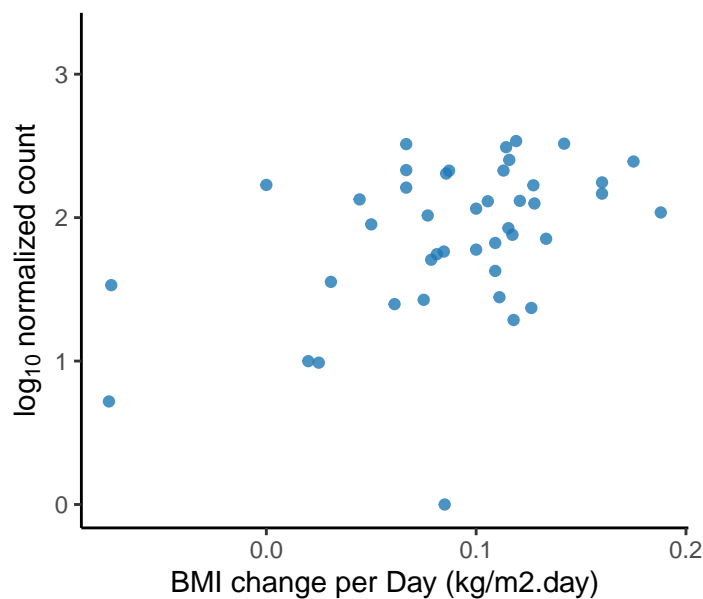
### Saccharibacillus

adjusted p = 0.0322



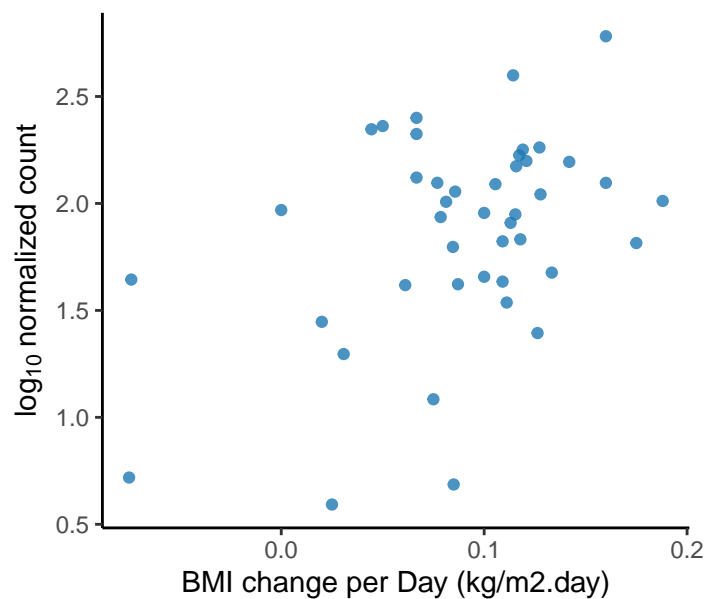
### Salinicola

adjusted p = 0.0322



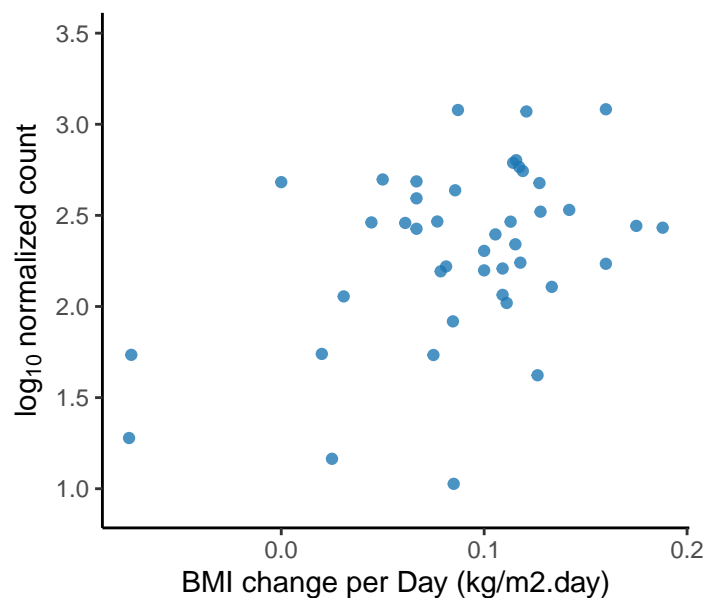
### Youhaiella

adjusted p = 0.0322



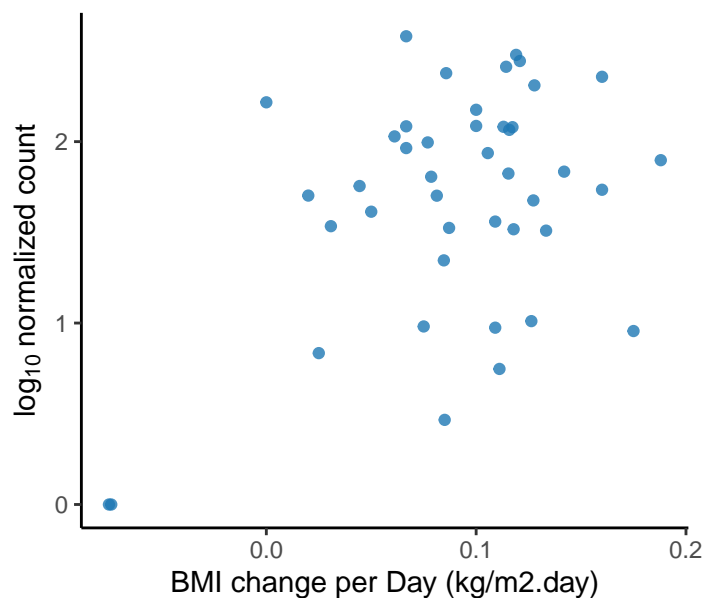
### Hypericibacter

adjusted p = 0.0322



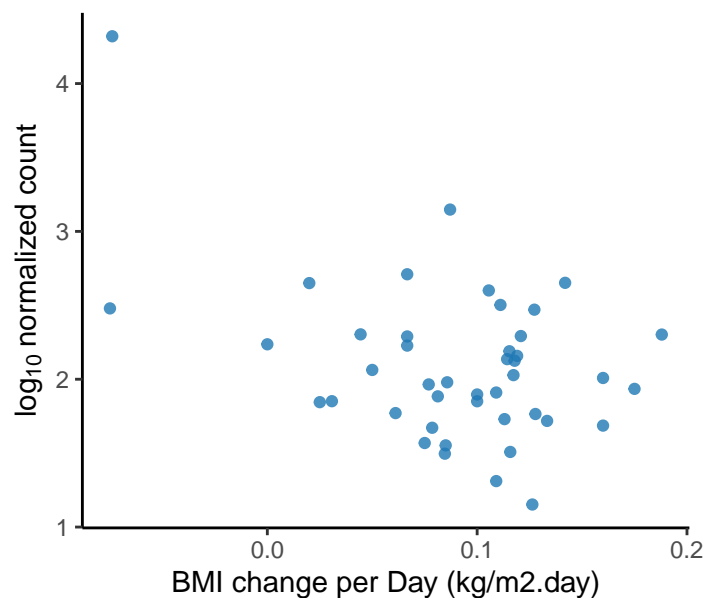
### Roseimaritima

adjusted p = 0.0322



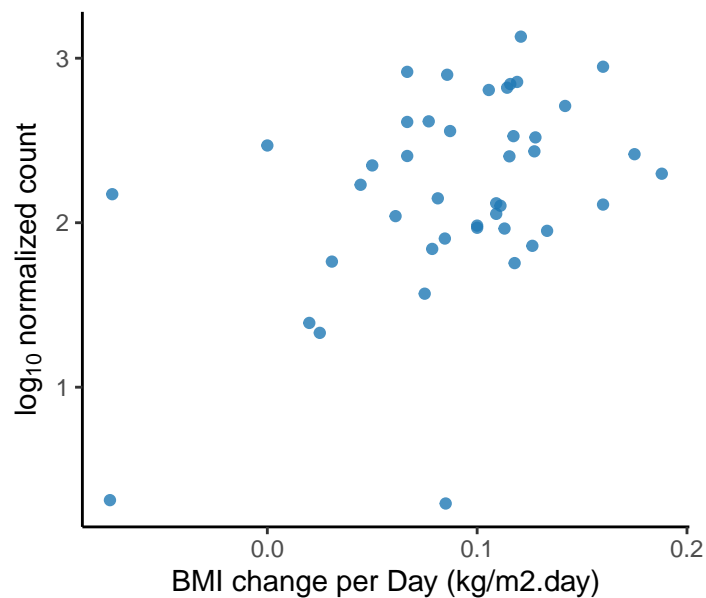
### Unclassified Lactobacillaceae Family

adjusted p = 0.0322

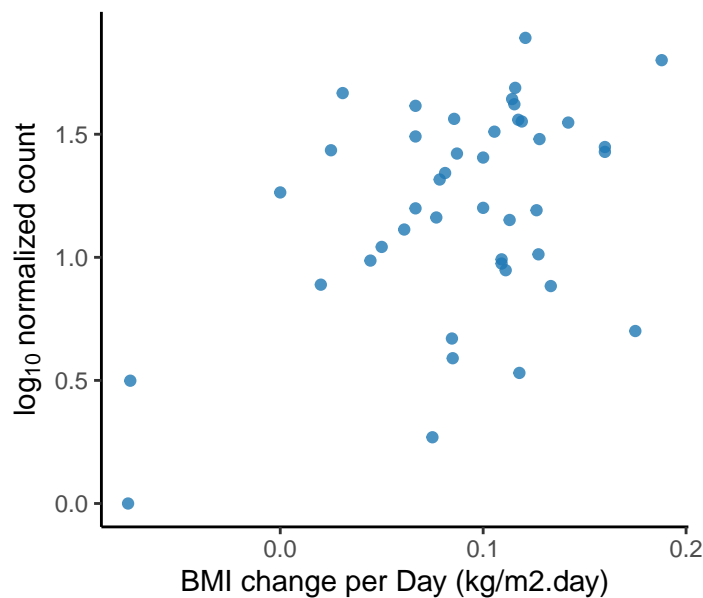


**Baekduia**

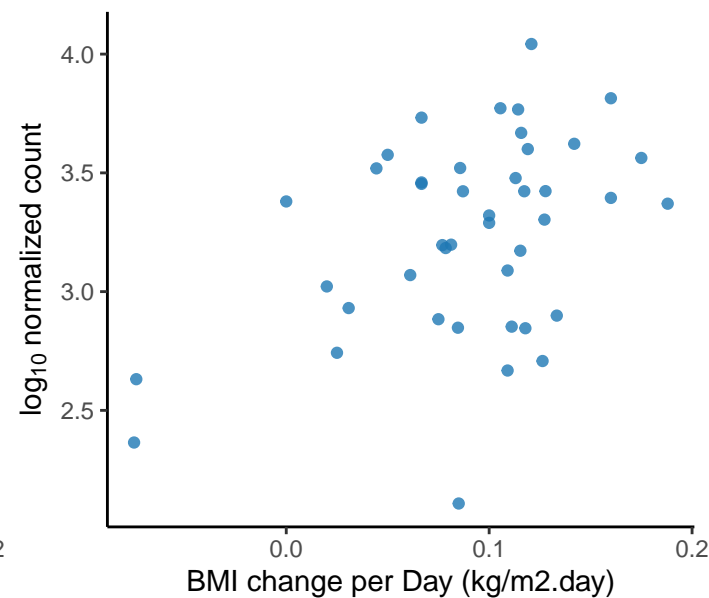
adjusted p = 0.0325

**Methanosphaerula**

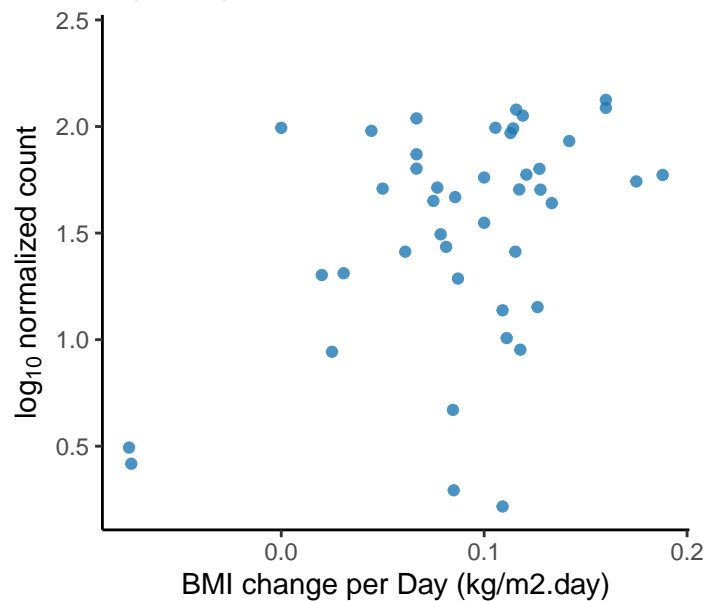
adjusted p = 0.0325

**Cupriavidus**

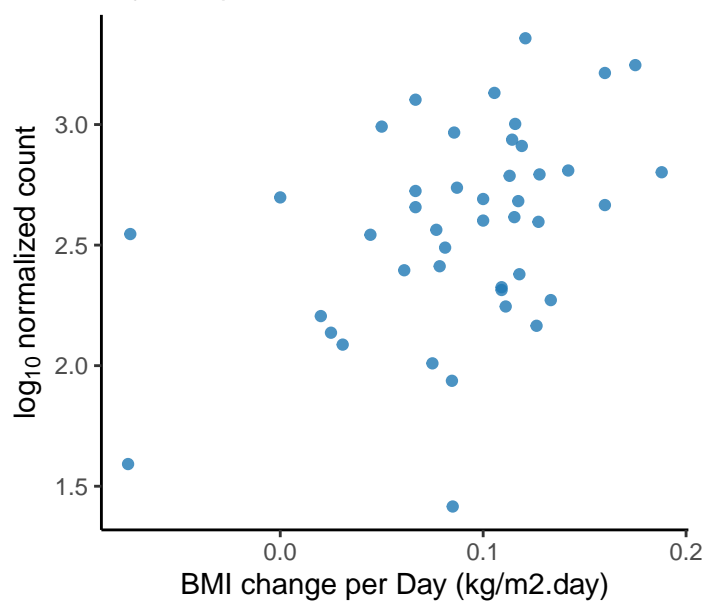
adjusted p = 0.0327

**Paraoerskovia**

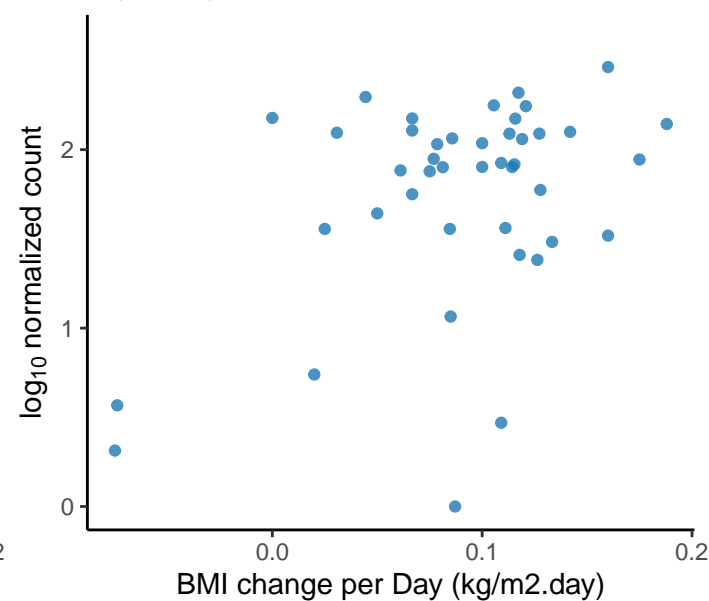
adjusted p = 0.0327

**Saccharomonospora**

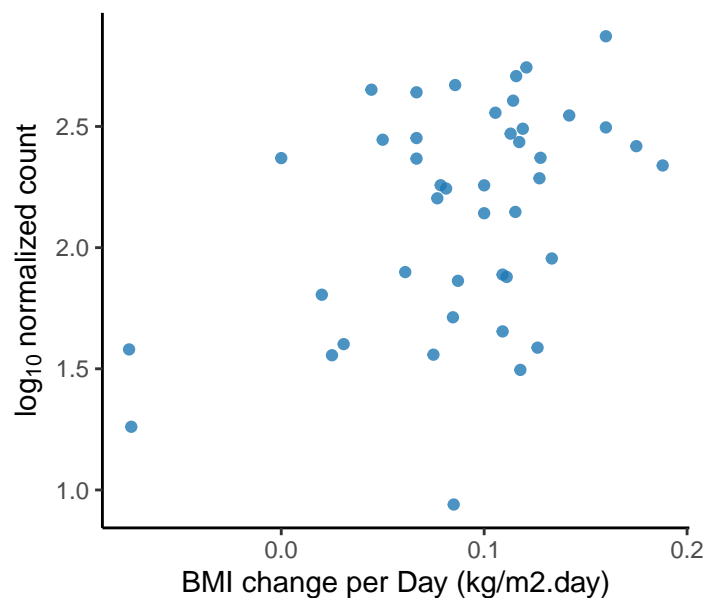
adjusted p = 0.0327

**Herminiimonas**

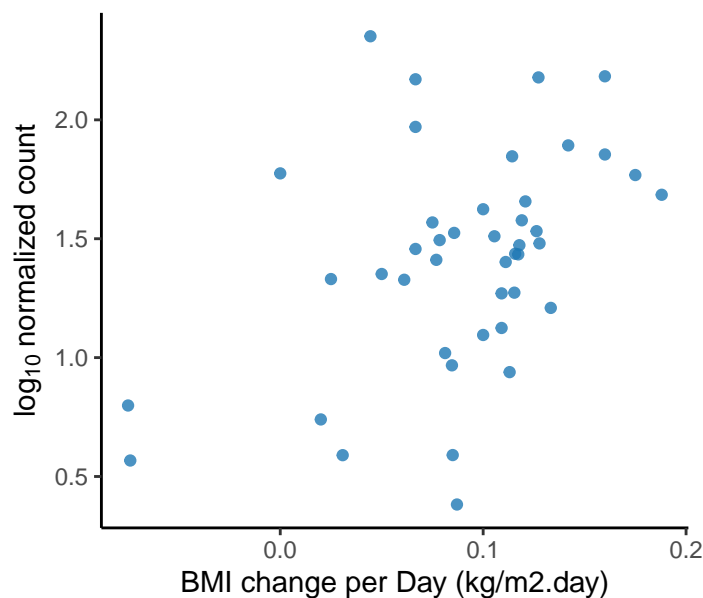
adjusted p = 0.0327

**Aminobacter**

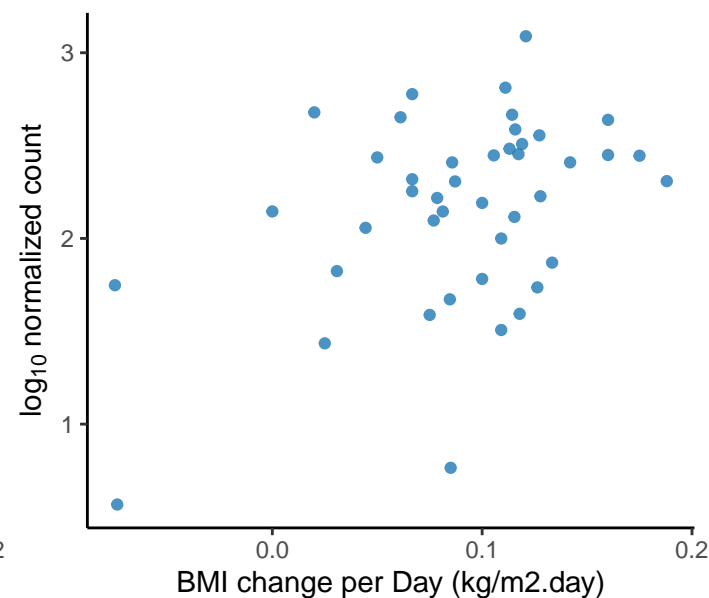
adjusted p = 0.0329

**Cycloclasticus**

adjusted p = 0.0329

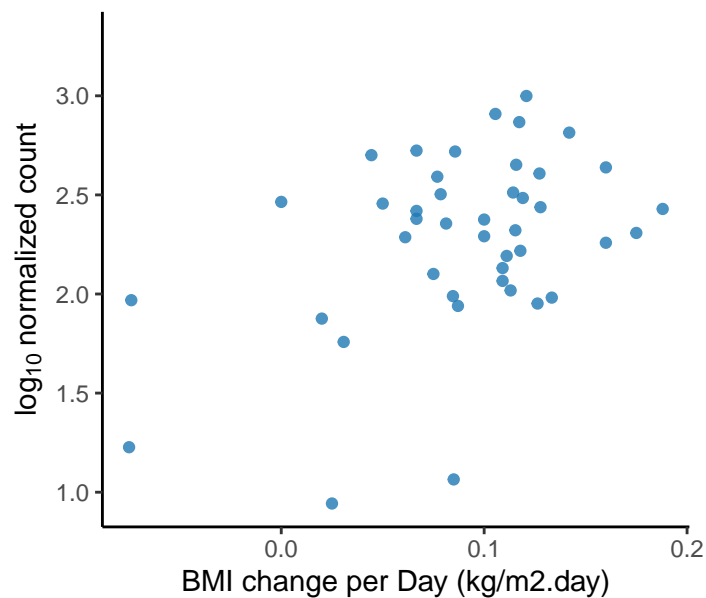
**Desulfobulbus**

adjusted p = 0.0329

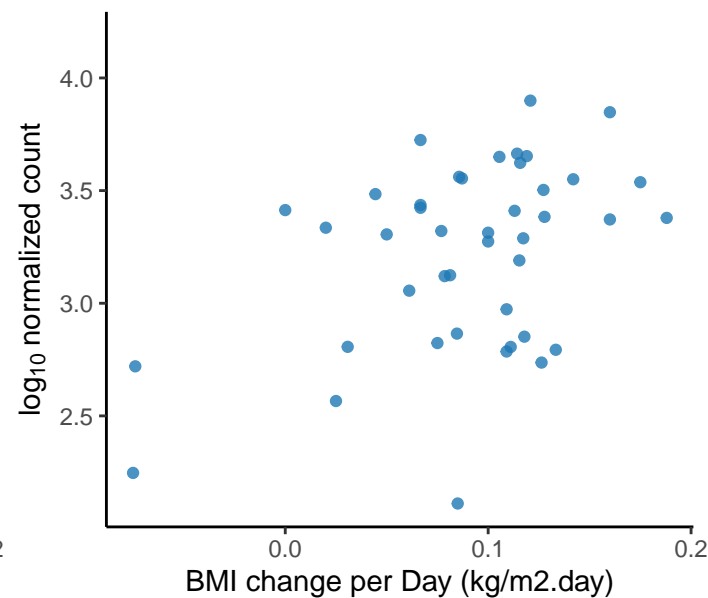


**Hyphomicrobium**

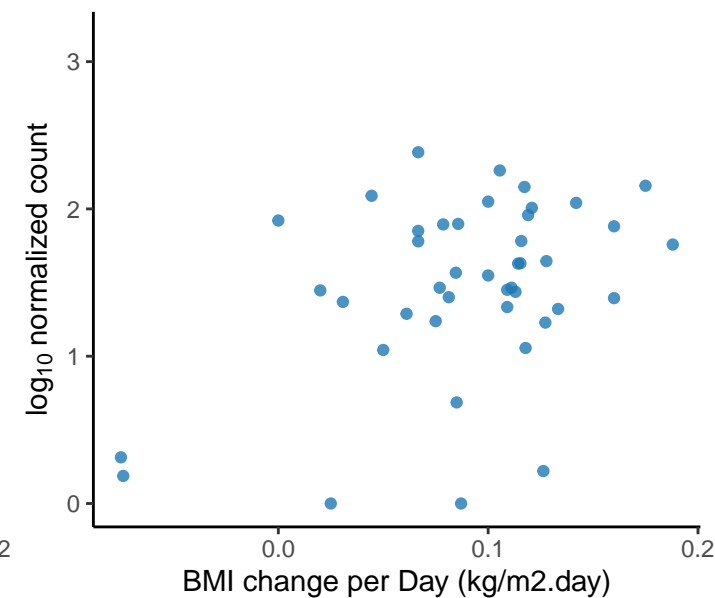
adjusted p = 0.0329

**Rhodococcus**

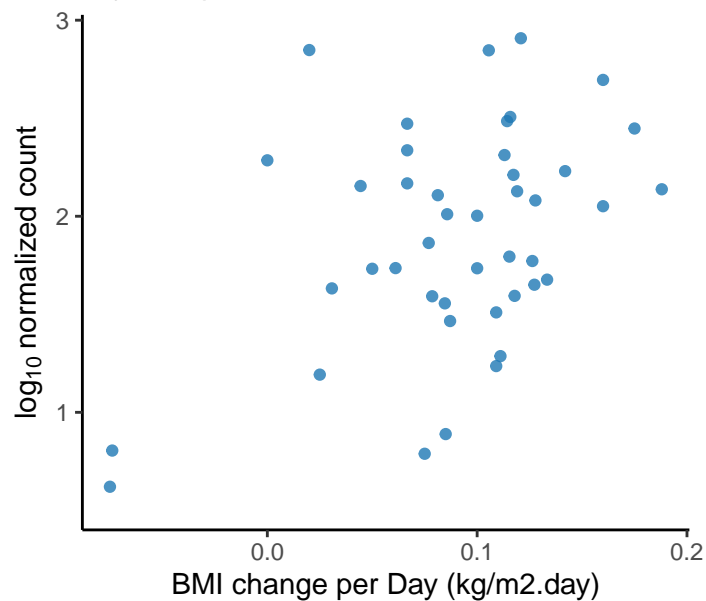
adjusted p = 0.0329

**Candidatus Symbiobacter**

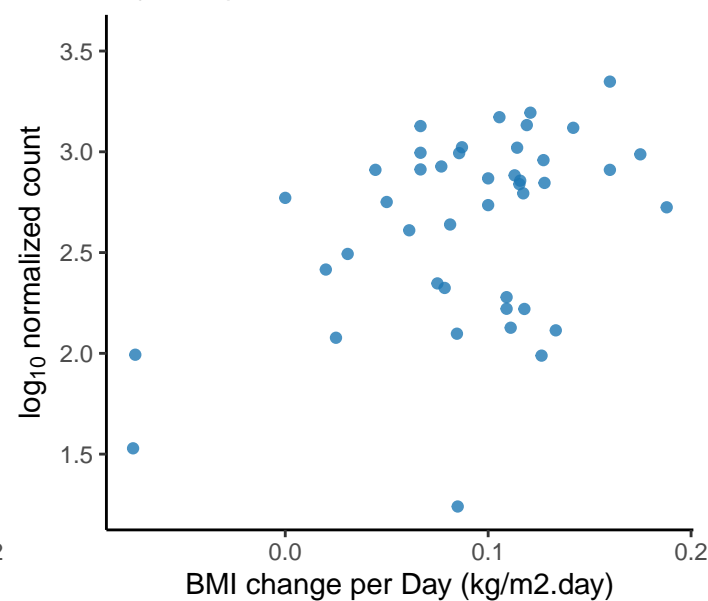
adjusted p = 0.033

**Defluviimonas**

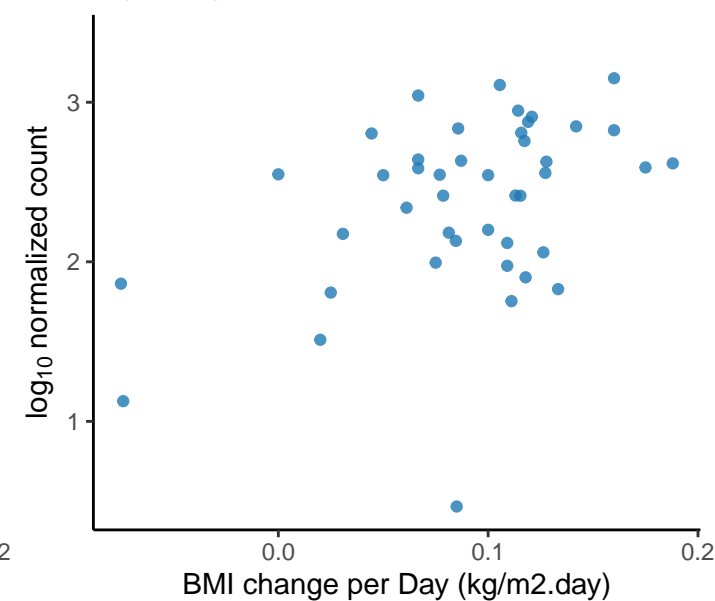
adjusted p = 0.033

**Heliobacterium**

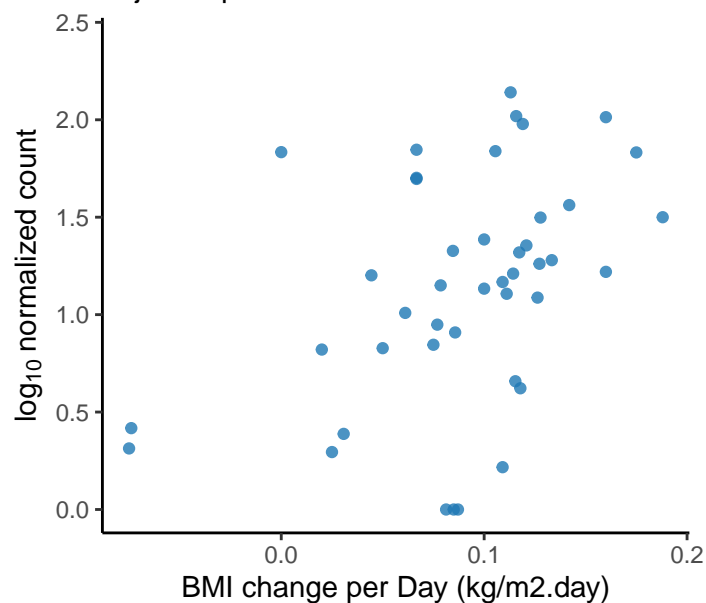
adjusted p = 0.033

**Opitutus**

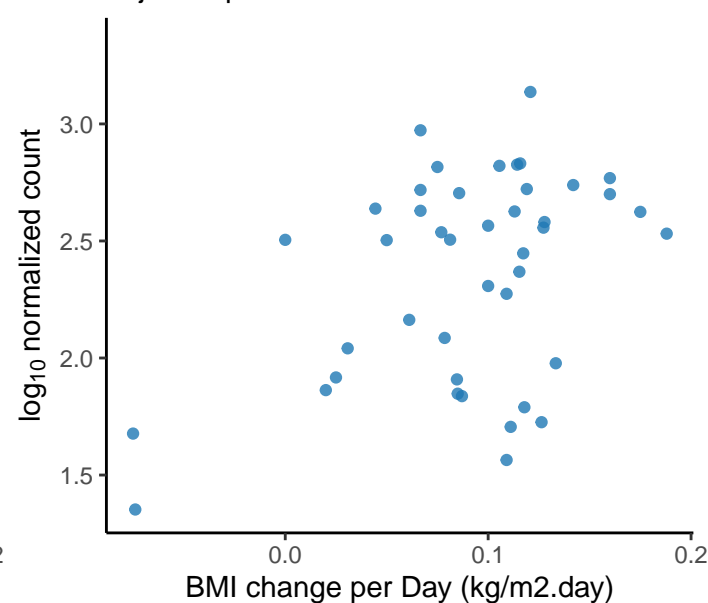
adjusted p = 0.033

**Unclassified Promicromonosporaceae f**

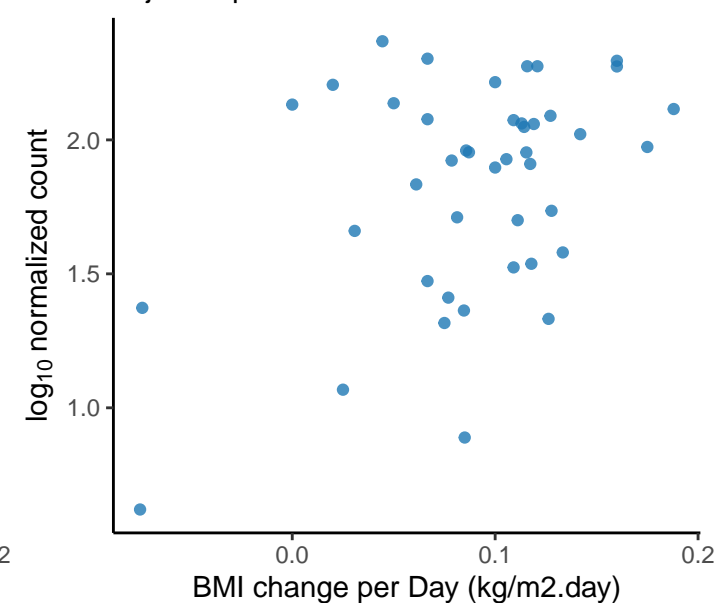
adjusted p = 0.033

**Cyanobium**

adjusted p = 0.0331

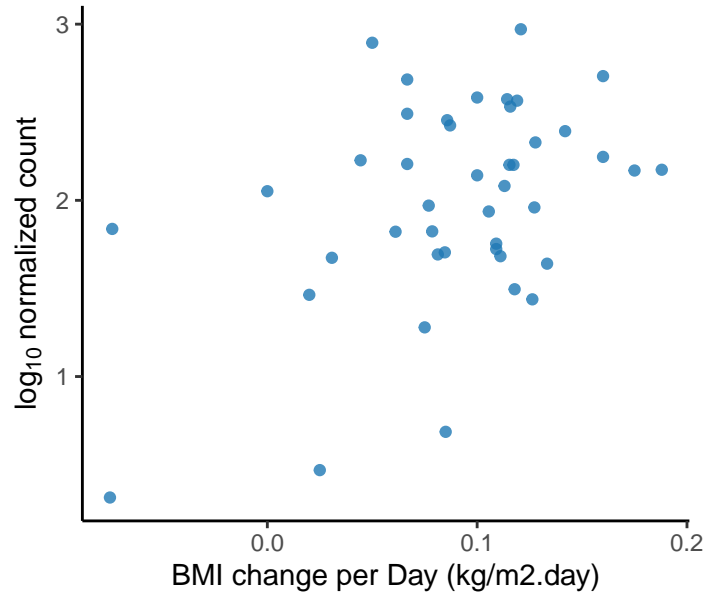
**Marinobacterium**

adjusted p = 0.0331



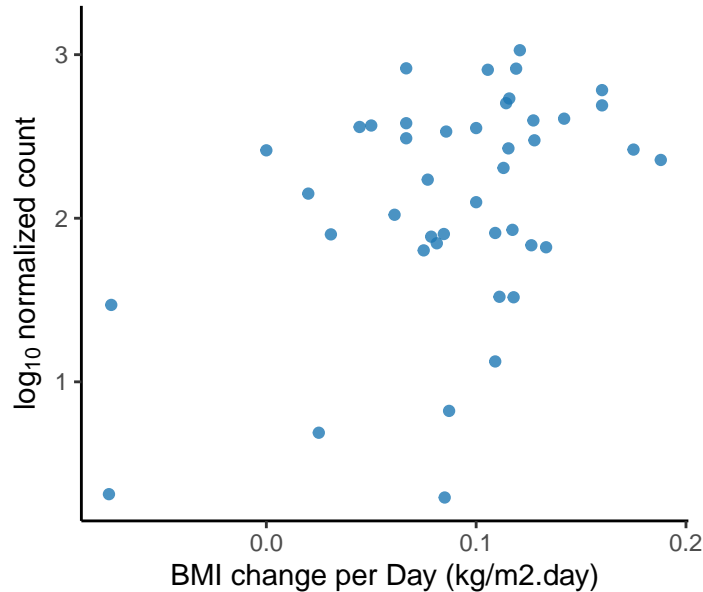
### Shinella

adjusted p = 0.0331



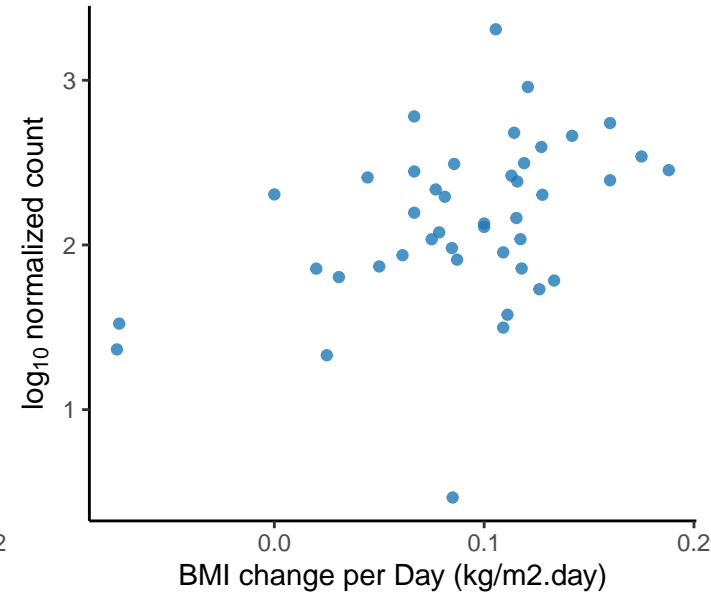
### Lacunisphaera

adjusted p = 0.0337



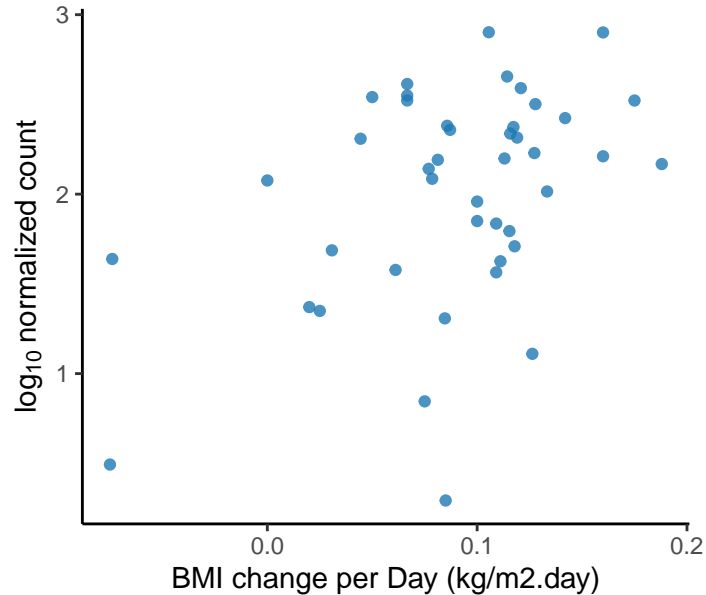
### Ancylobacter

adjusted p = 0.0339



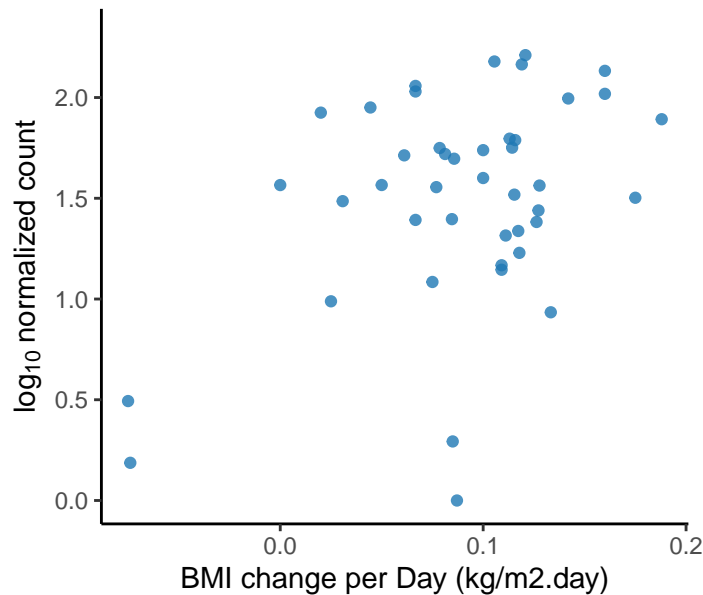
### Dokdonella

adjusted p = 0.0339



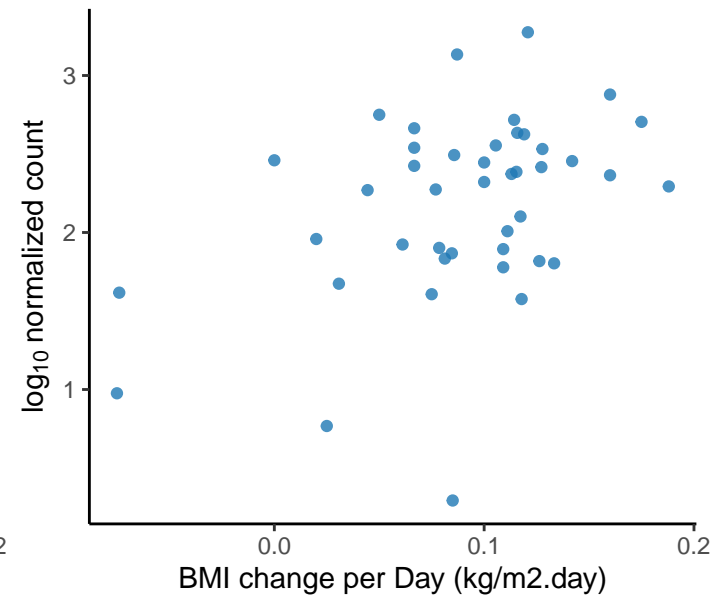
### Psychromicrobium

adjusted p = 0.0339



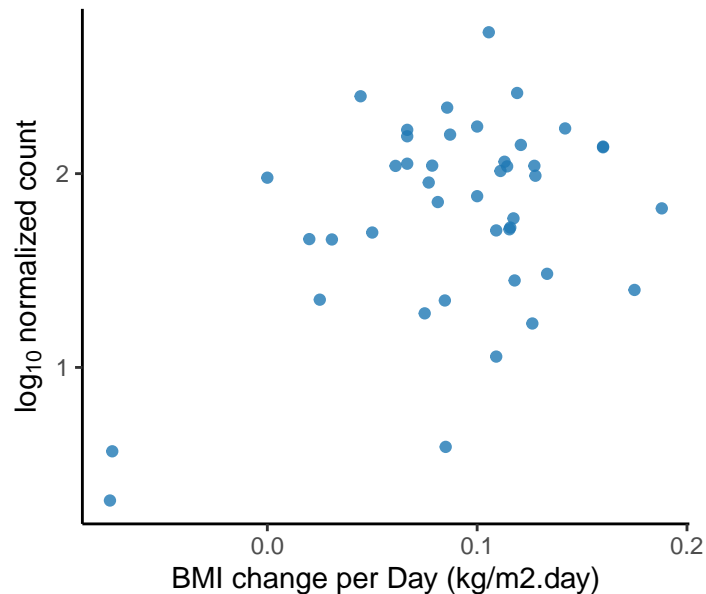
### Friedmanniella

adjusted p = 0.034



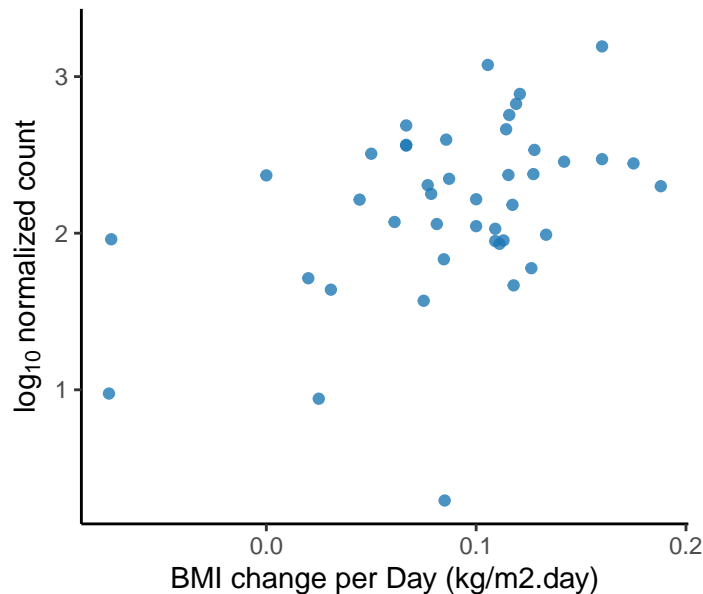
### Desulfohalobium

adjusted p = 0.0348



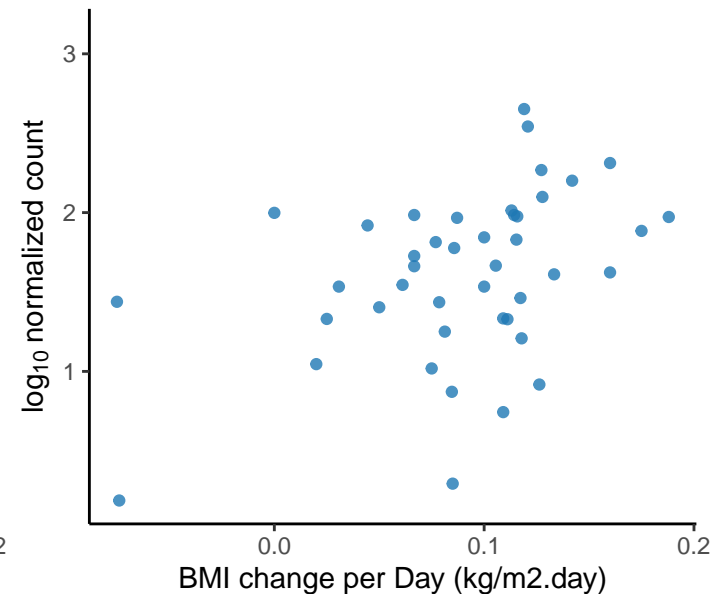
### Janibacter

adjusted p = 0.0348



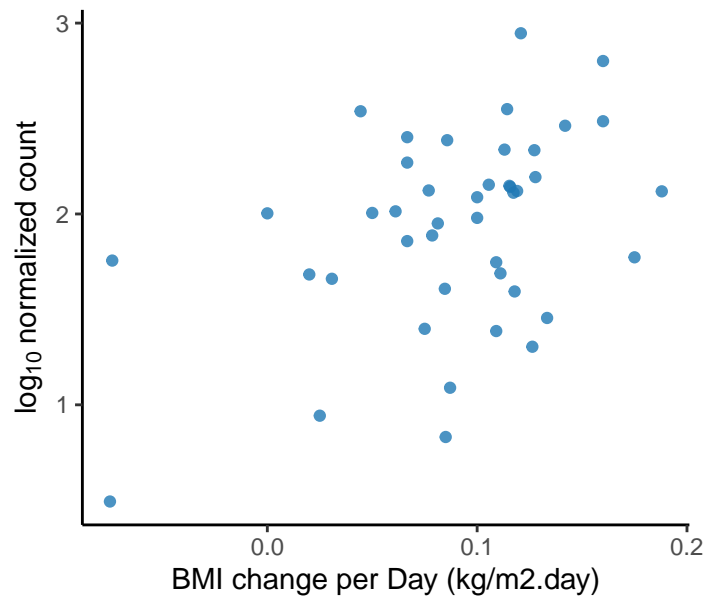
### Chromohalobacter

adjusted p = 0.0348



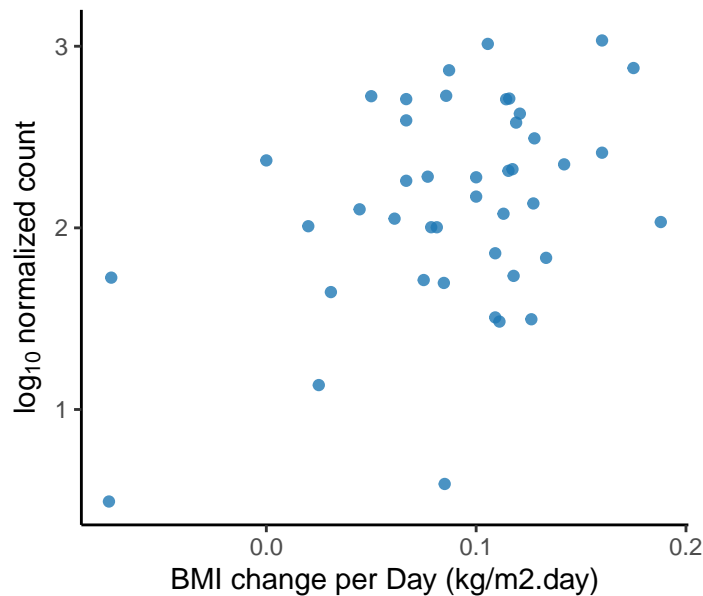
### Desulfoglaeba

adjusted p = 0.0348



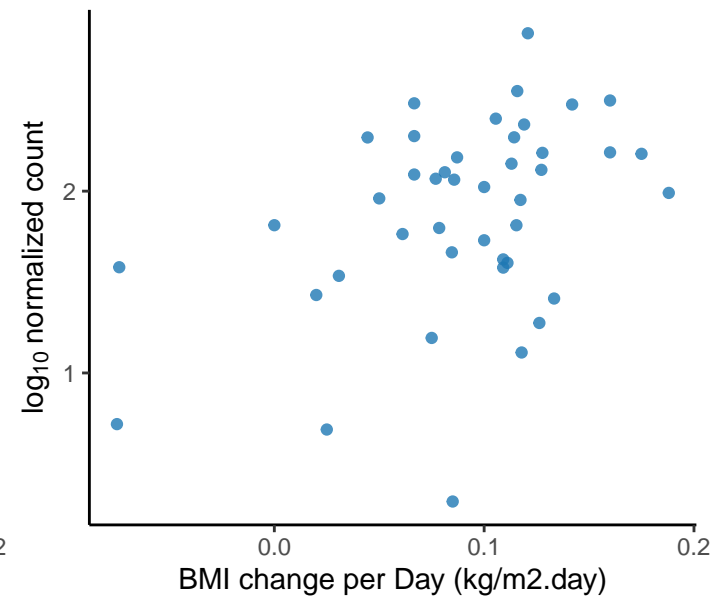
### Sandaracinus

adjusted p = 0.0348



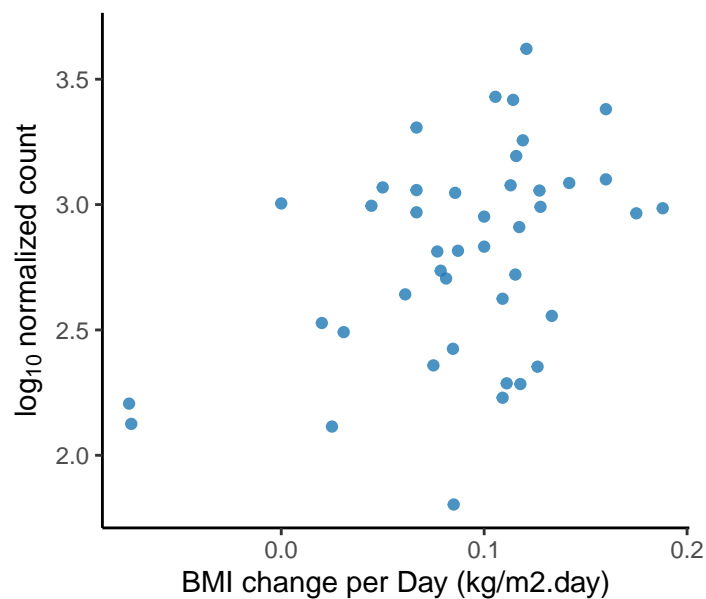
### Actinopolyspora

adjusted p = 0.035



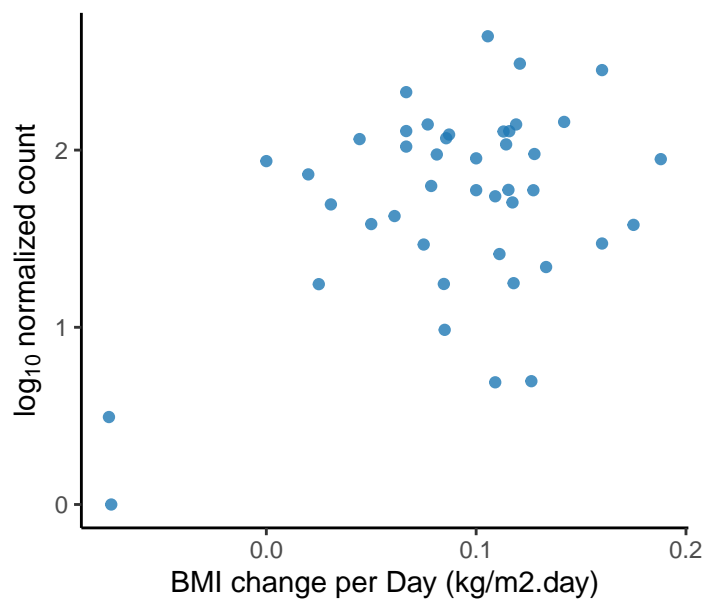
### Chromobacterium

adjusted p = 0.035



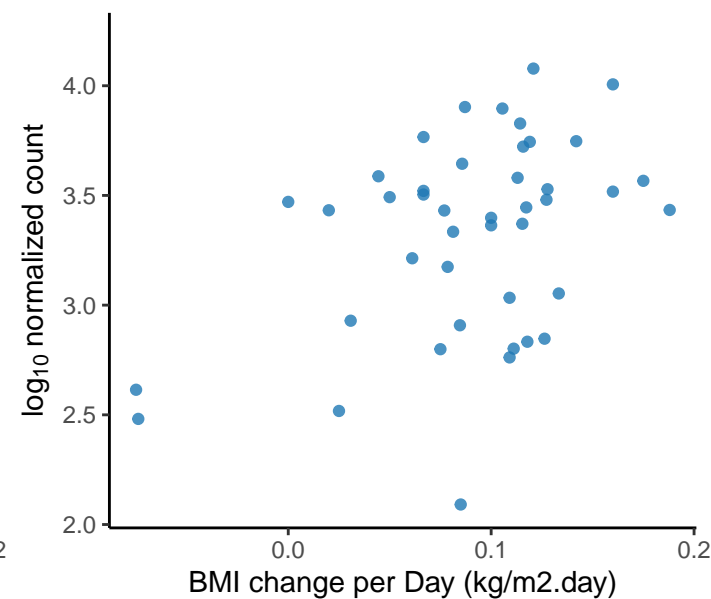
### Crenobacter

adjusted p = 0.035



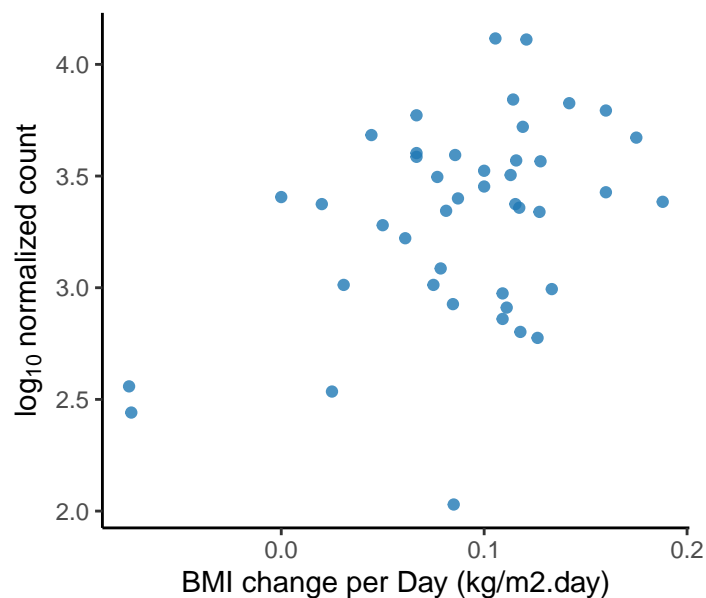
### Deinococcus

adjusted p = 0.035



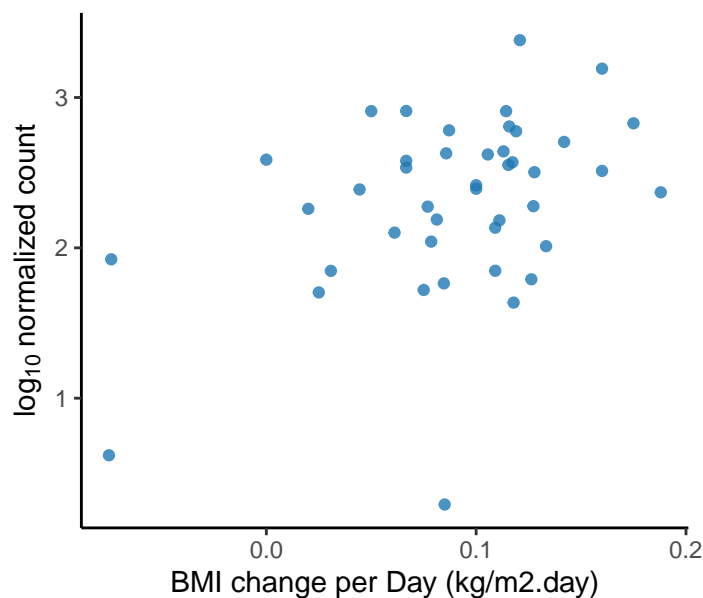
### Ethanoligenens

adjusted p = 0.035



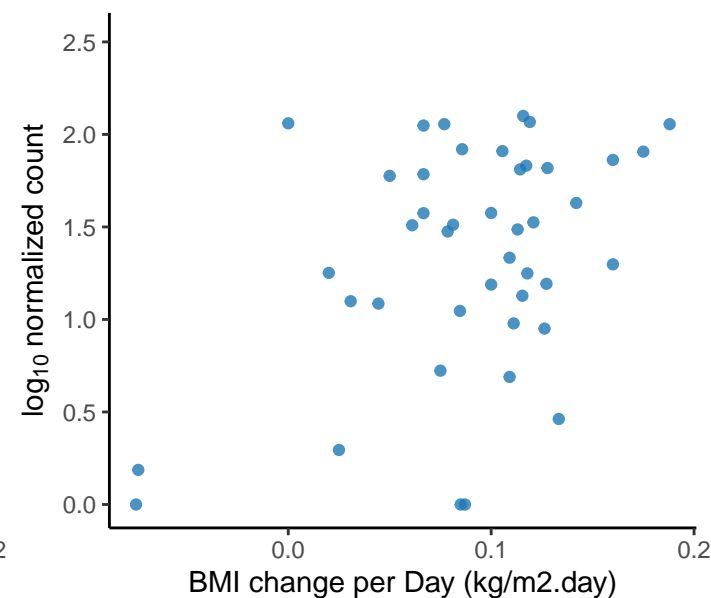
### Georgenia

adjusted p = 0.035



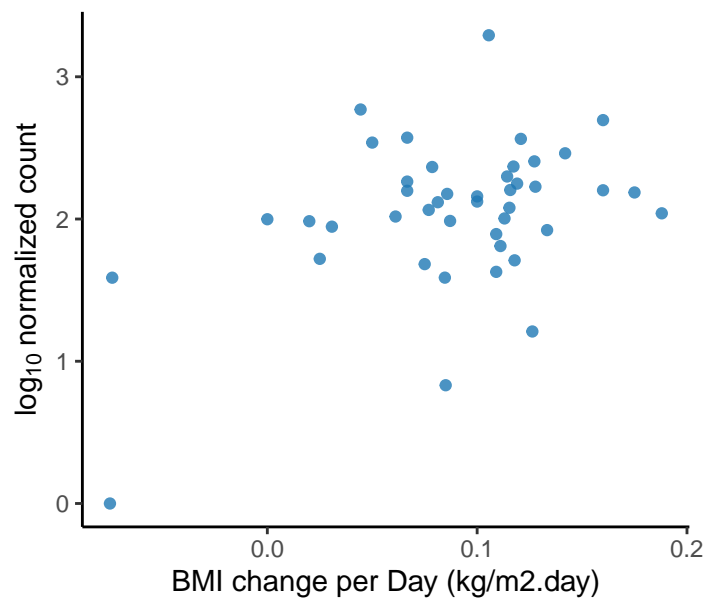
### Halobiforma

adjusted p = 0.035



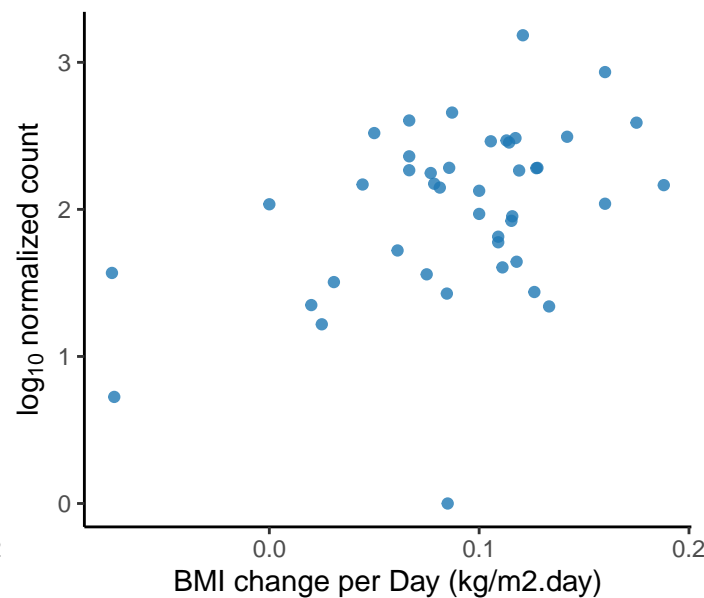
### Hoeflea

adjusted p = 0.035



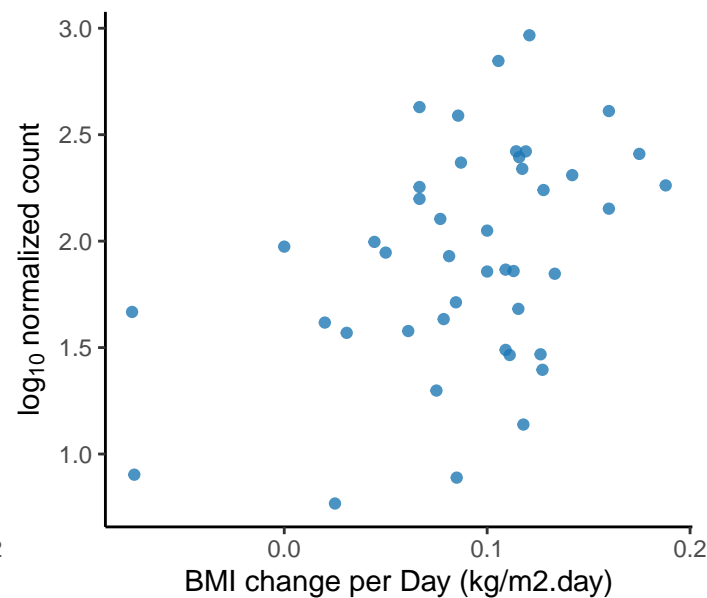
### Methyloceanibacter

adjusted p = 0.035



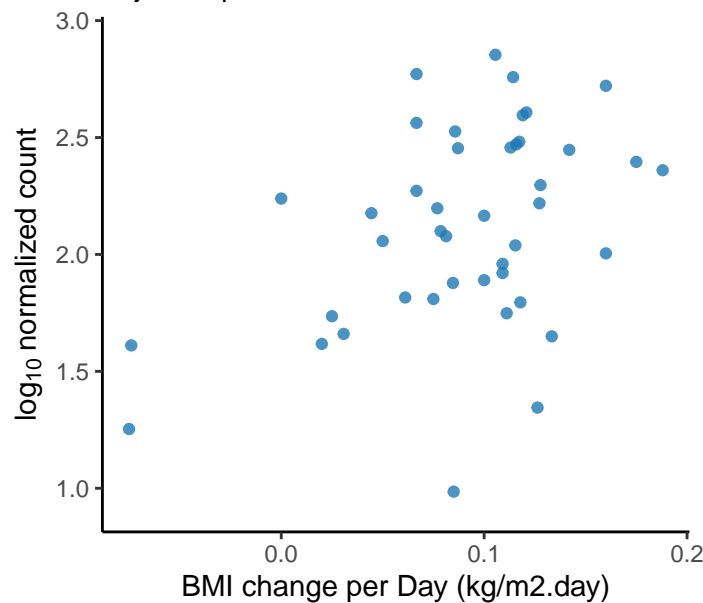
### Propioniciclava

adjusted p = 0.035



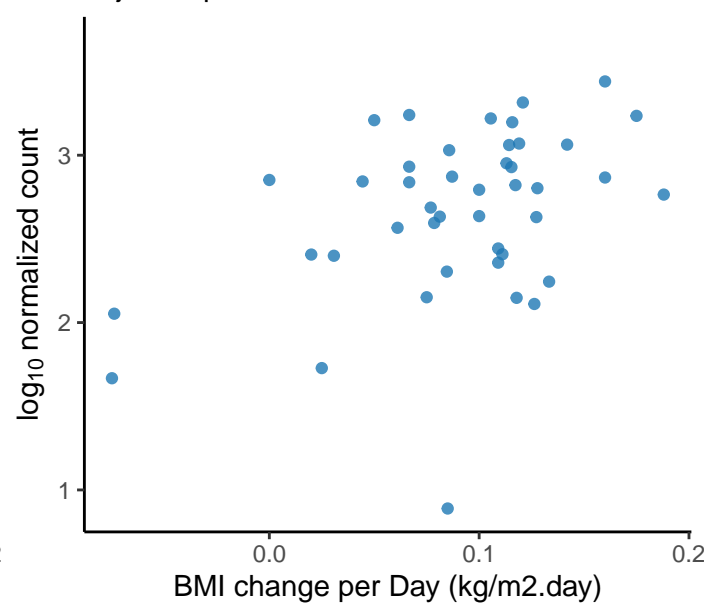
### Pseudolabrys

adjusted p = 0.035



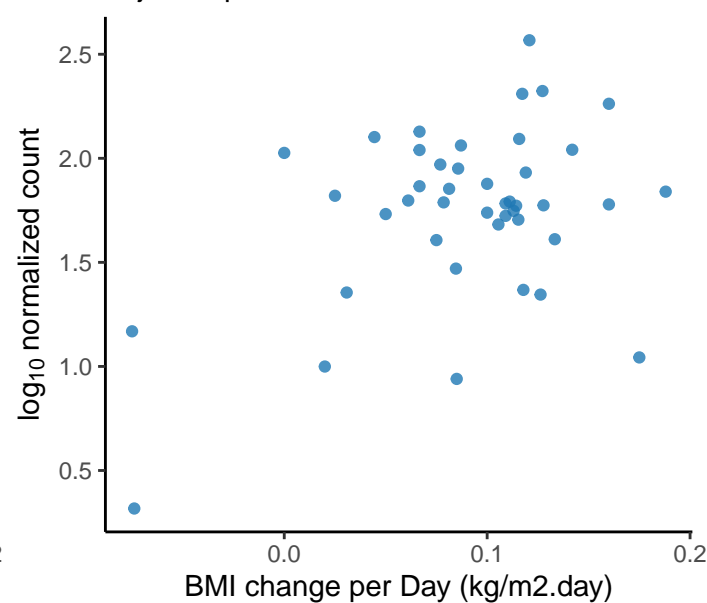
### Rathayibacter

adjusted p = 0.035



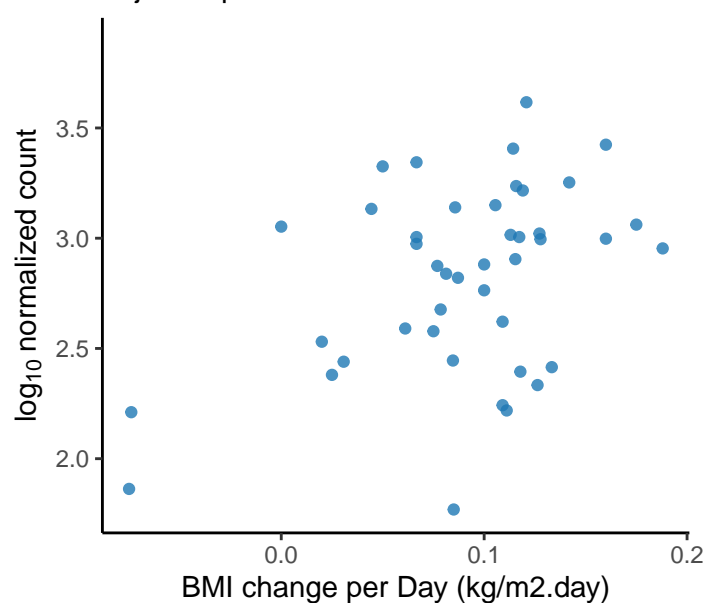
### Sulfuritalea

adjusted p = 0.035



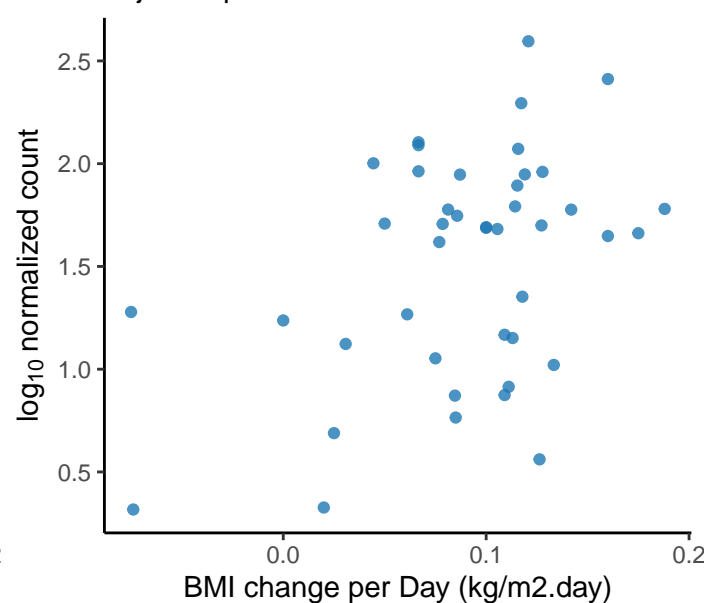
### Unclassified Mycobacteriaceae Family

adjusted p = 0.035



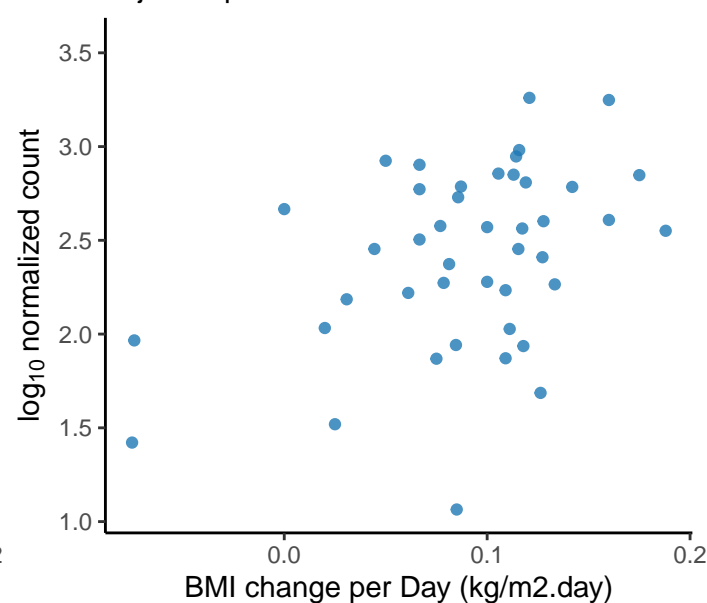
### Unclassified Phyllobacteriaceae Family

adjusted p = 0.035



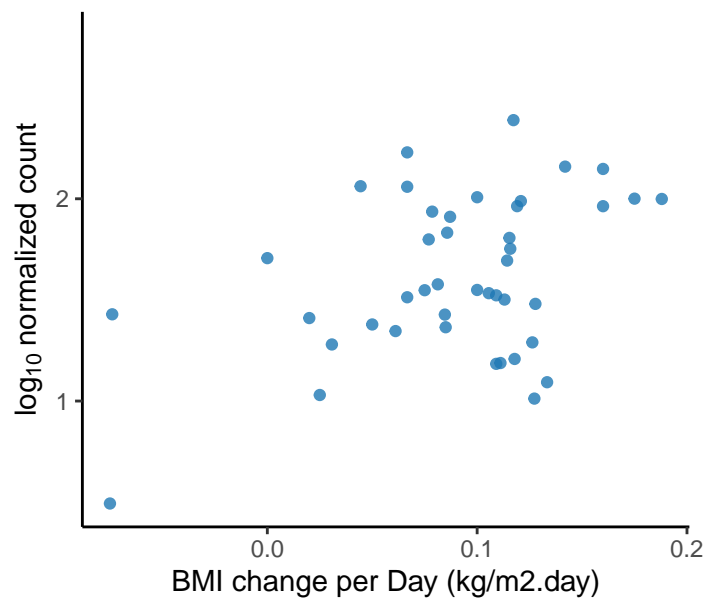
### Ornithinimicrobium

adjusted p = 0.0353



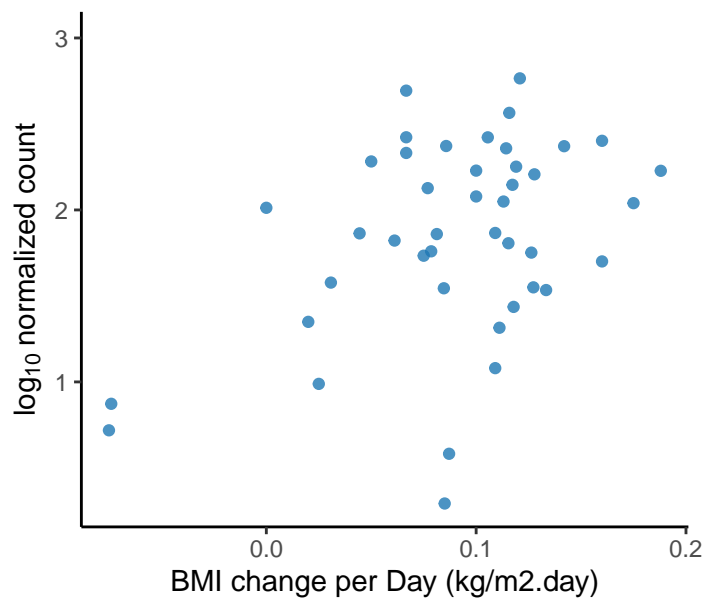
Unclassified Rhodocyclaceae Family

adjusted p = 0.0354



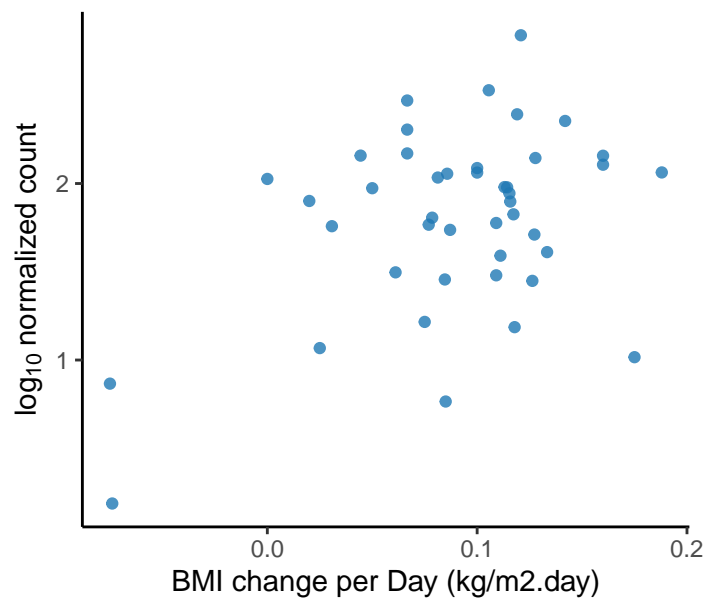
Immundisolibacter

adjusted p = 0.0355



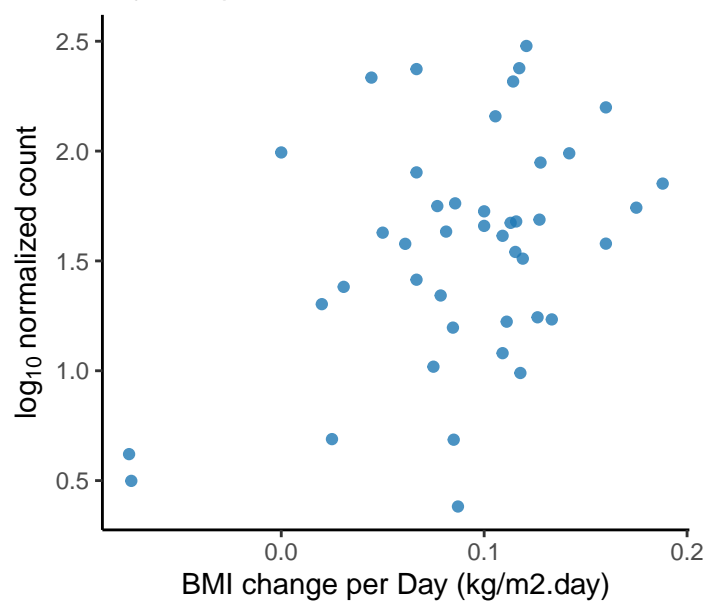
Antarctobacter

adjusted p = 0.0365



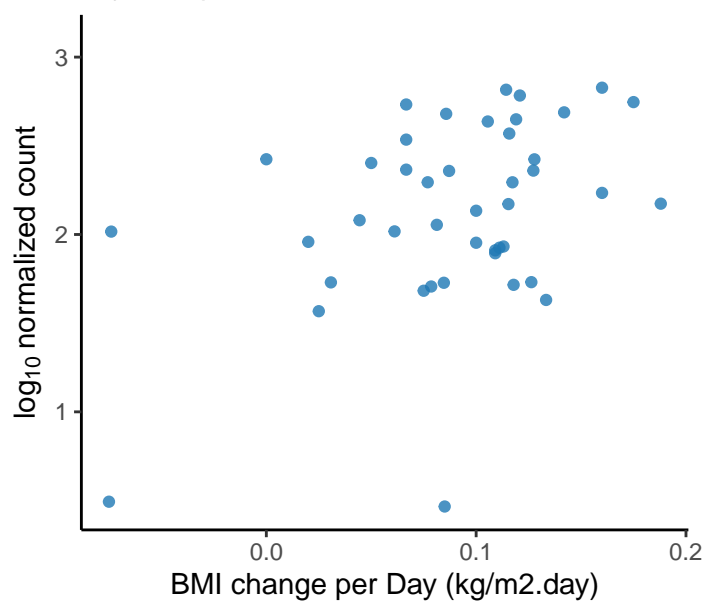
Candidatus Phaeomarinobacter

adjusted p = 0.0365



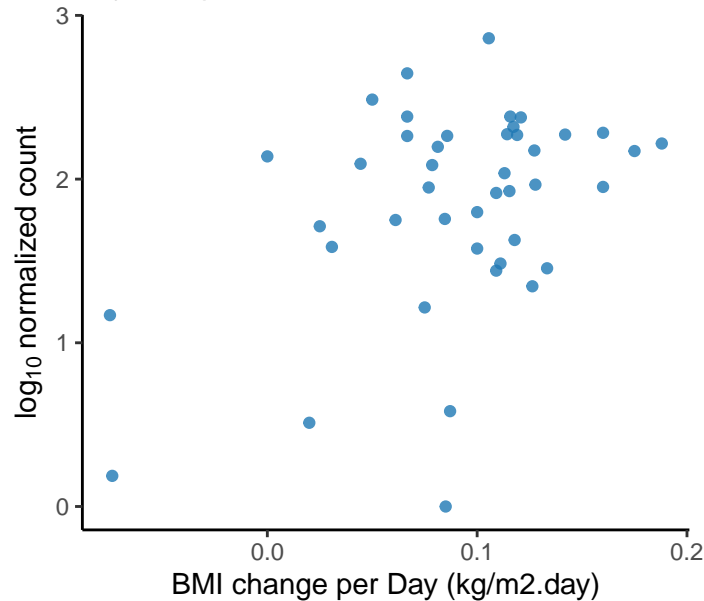
Conexibacter

adjusted p = 0.0365



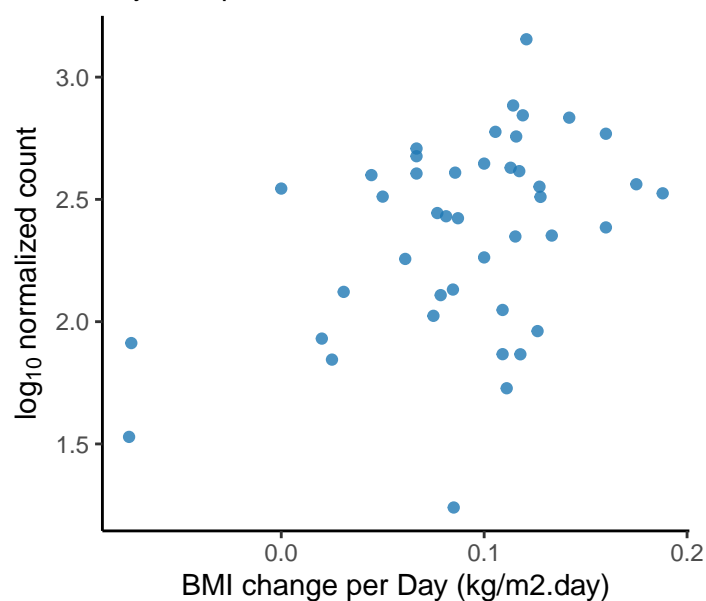
Halovulum

adjusted p = 0.0365



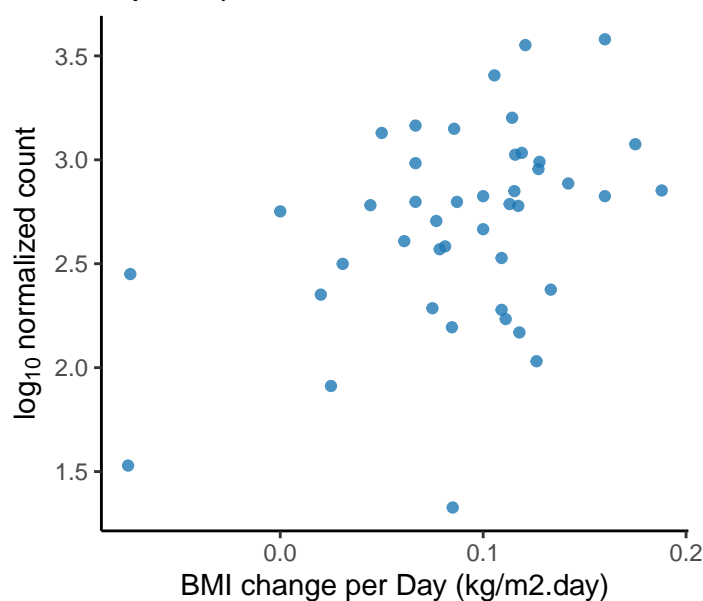
Leisingera

adjusted p = 0.0365



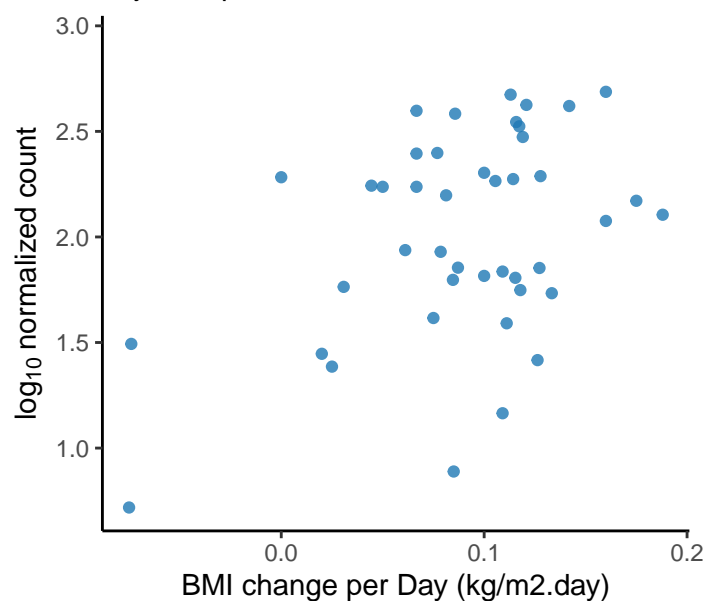
Rubrobacter

adjusted p = 0.0365



Sphingosinicella

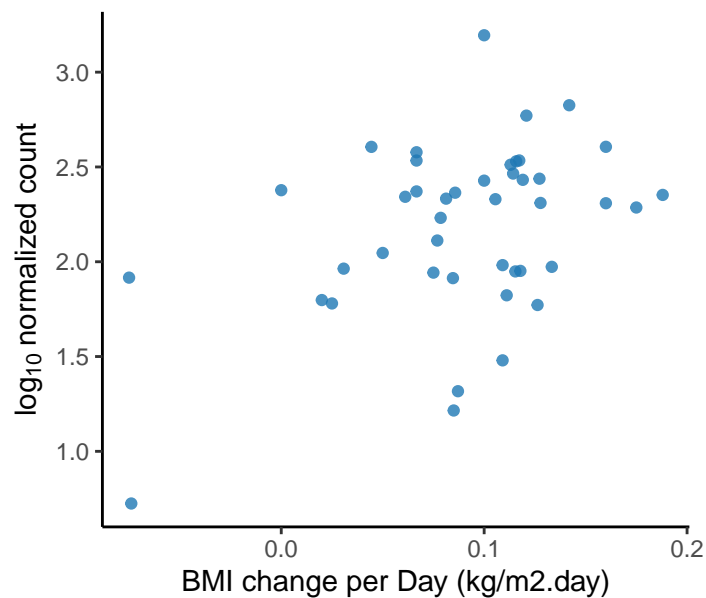
adjusted p = 0.0365





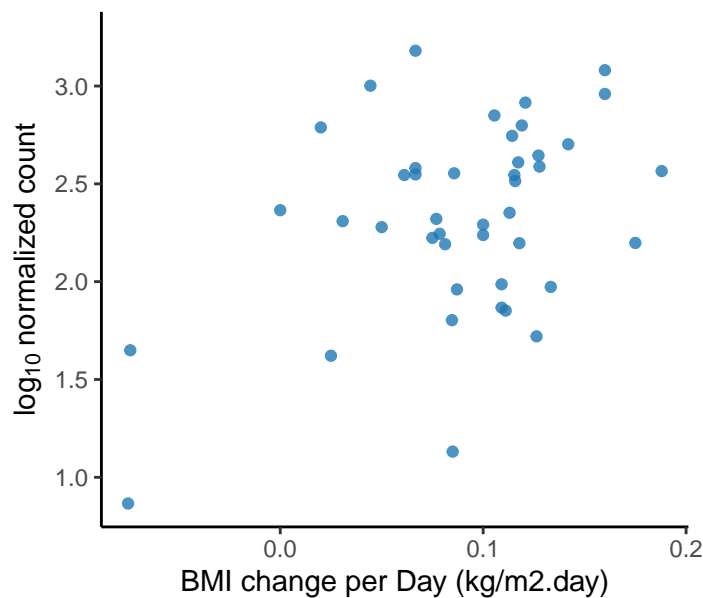
### Sulfuriferula

adjusted p = 0.0365



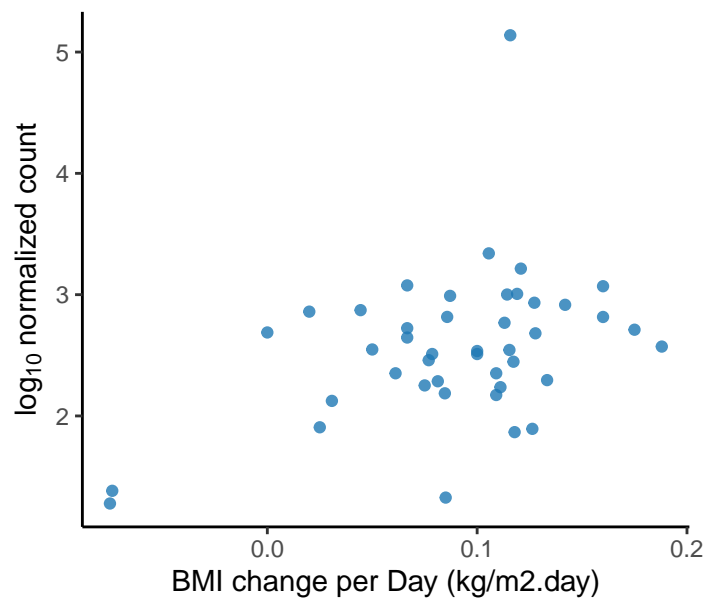
### Unclassified Verrucomicrobia Phylum

adjusted p = 0.0365



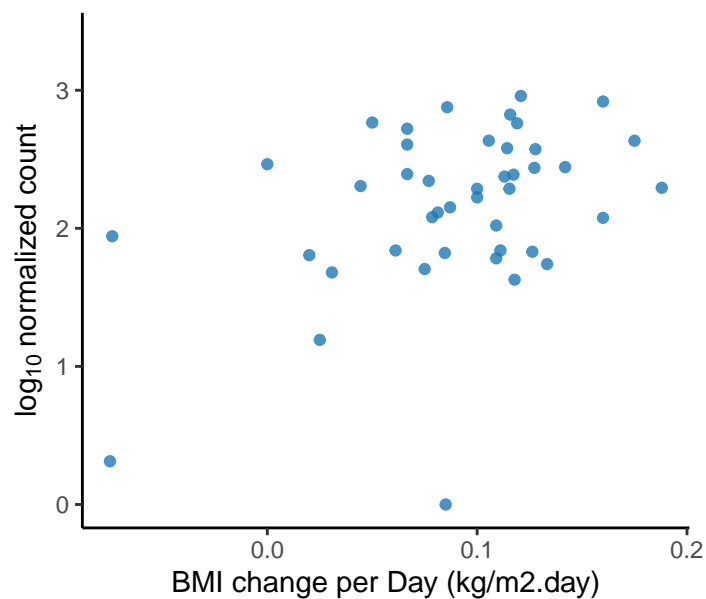
### Unclassified Victivallales Order

adjusted p = 0.0365



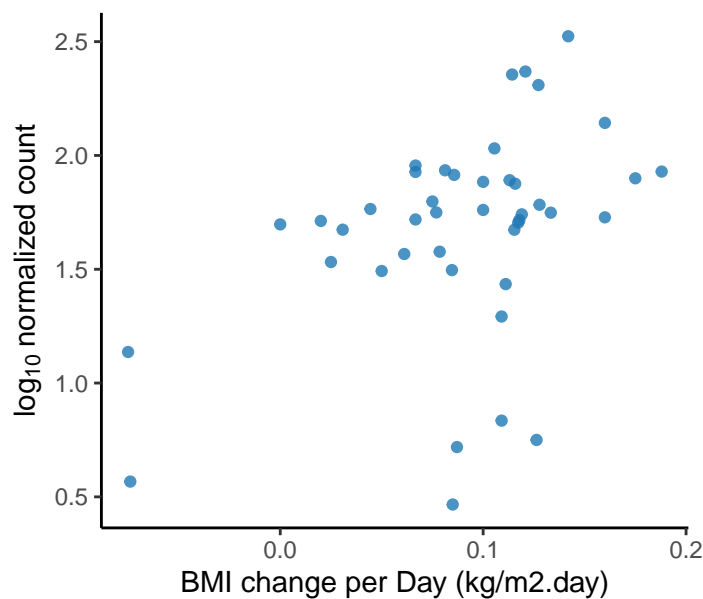
### Agrococcus

adjusted p = 0.0366



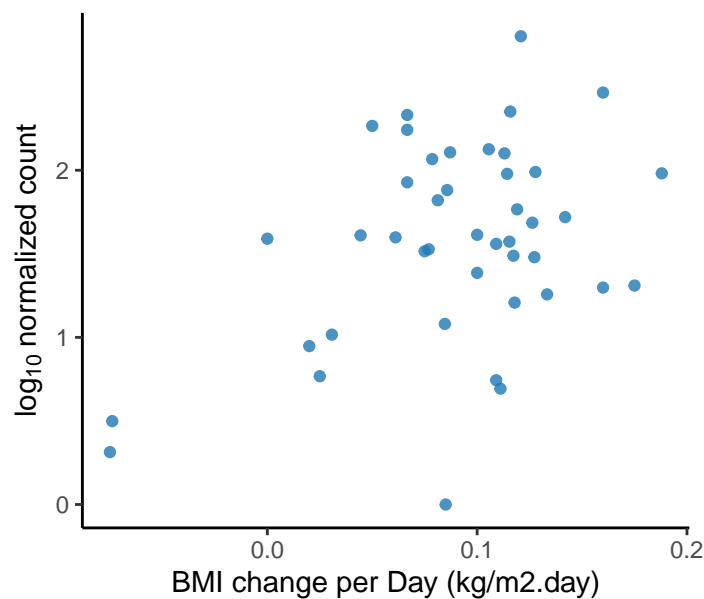
### Aurantimicrobium

adjusted p = 0.0368



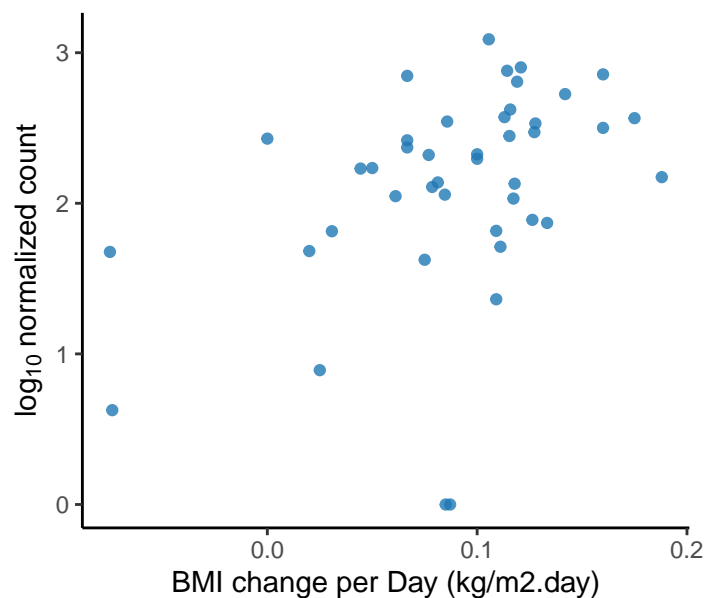
### Afipia

adjusted p = 0.0375



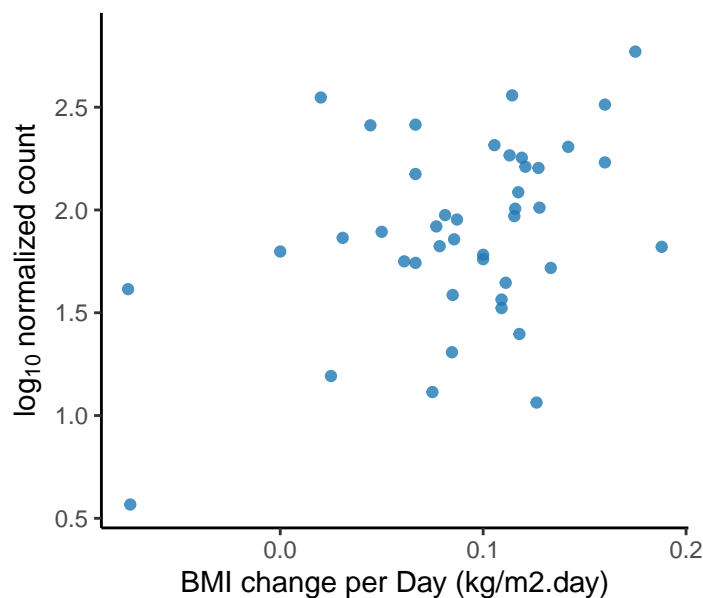
### Candidatus Promineofilum

adjusted p = 0.0375



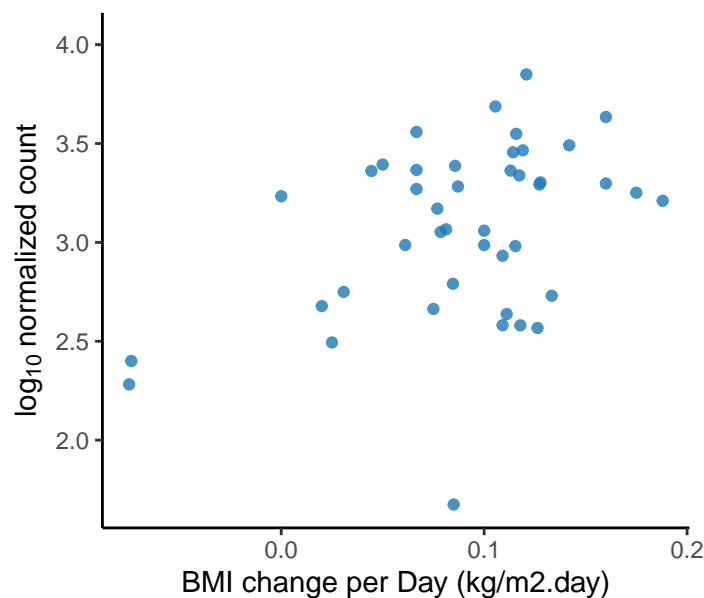
### Gibbsiella

adjusted p = 0.0375



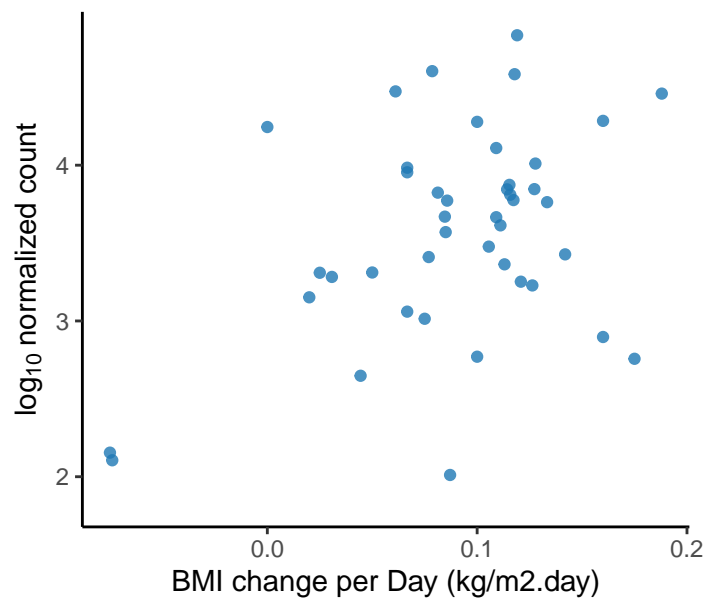
### Massilia

adjusted p = 0.0375



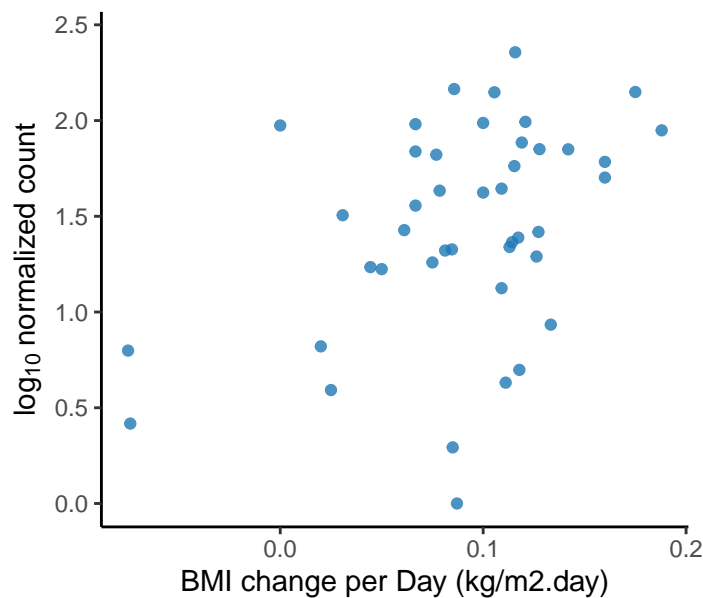
### Paraprevotella

adjusted p = 0.0375



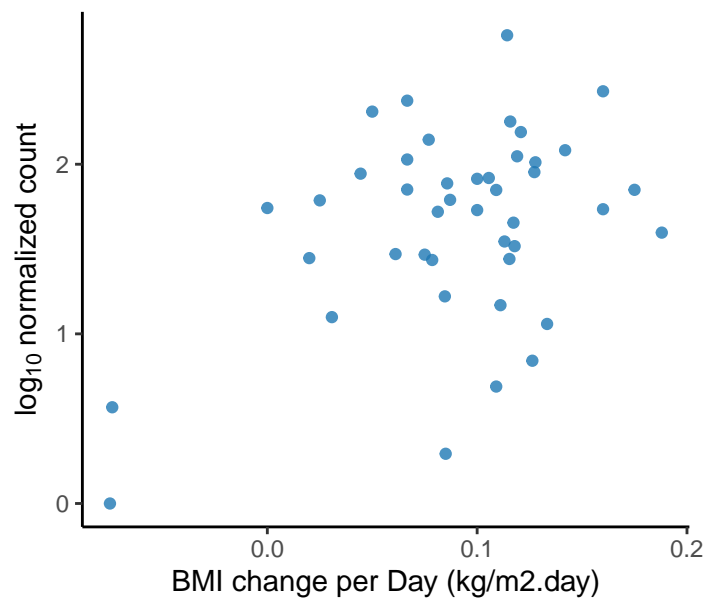
### Thalassococcus

adjusted p = 0.0375



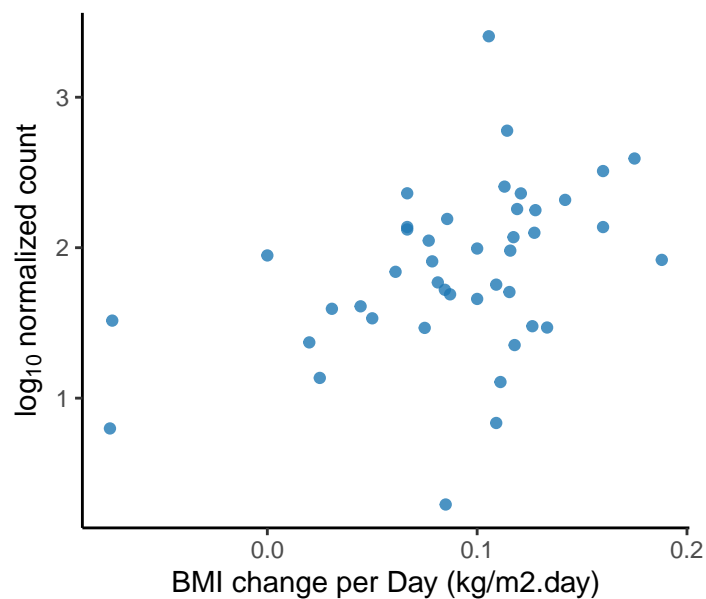
### Unclassified Archangiaceae Family

adjusted p = 0.0375



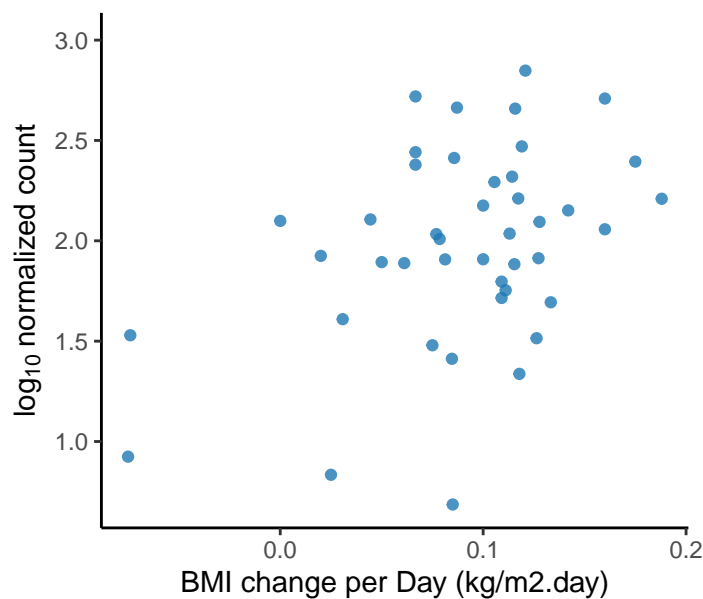
### Hartmannibacter

adjusted p = 0.0375



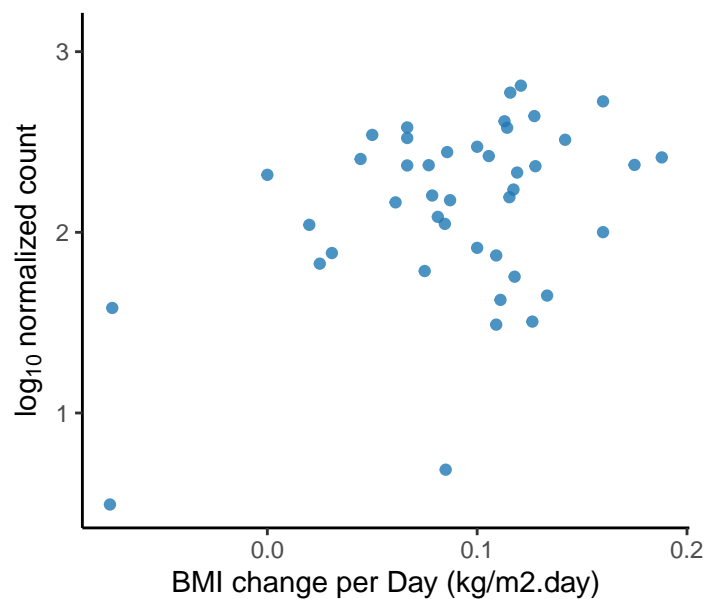
### Unclassified Gemmataceae Family

adjusted p = 0.0375



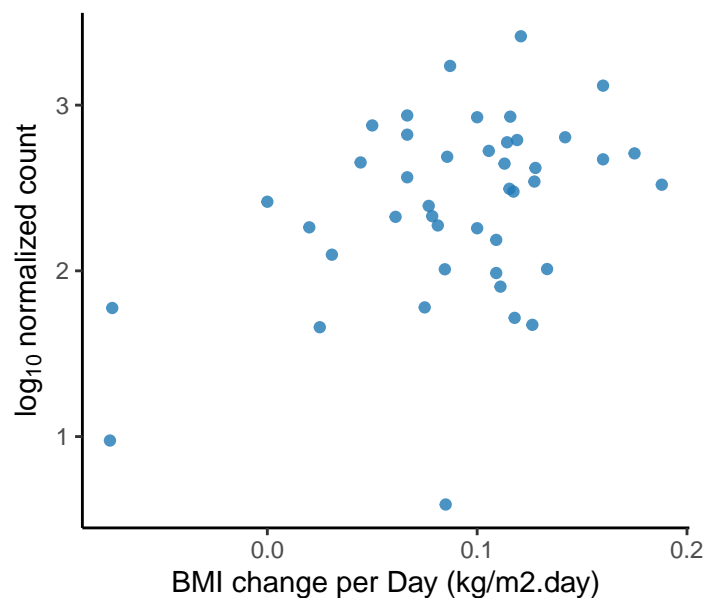
### Salinibacter

adjusted p = 0.038



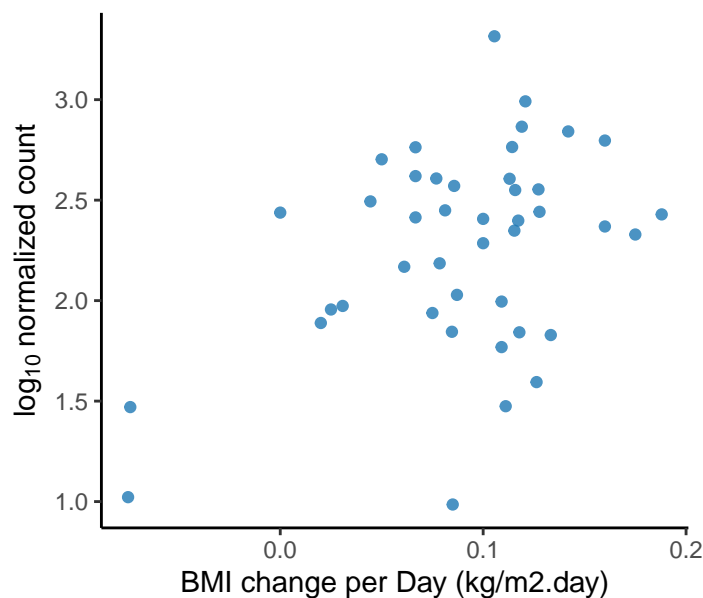
### Delftia

adjusted p = 0.0386



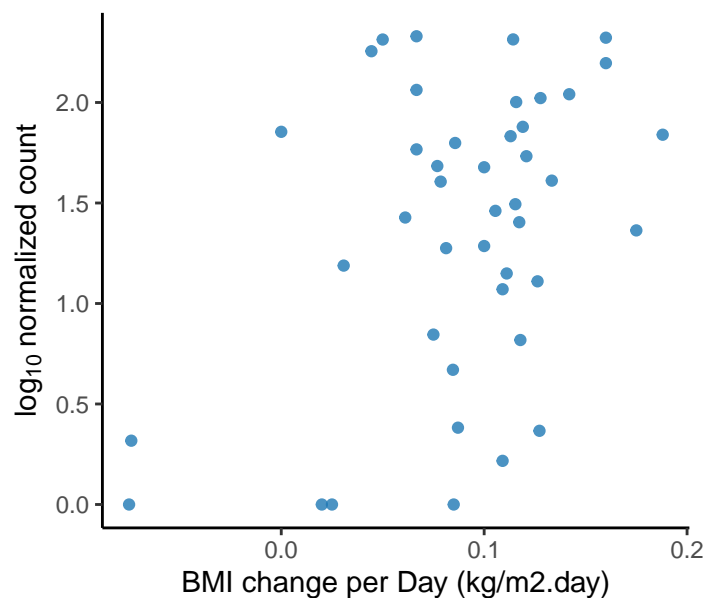
### Candidatus Desulforudis

adjusted p = 0.0388



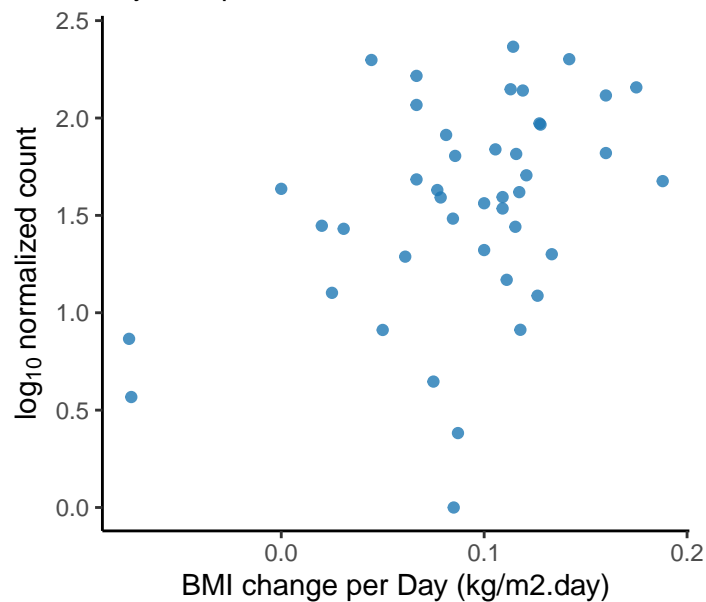
### Qipengyuania

adjusted p = 0.0391



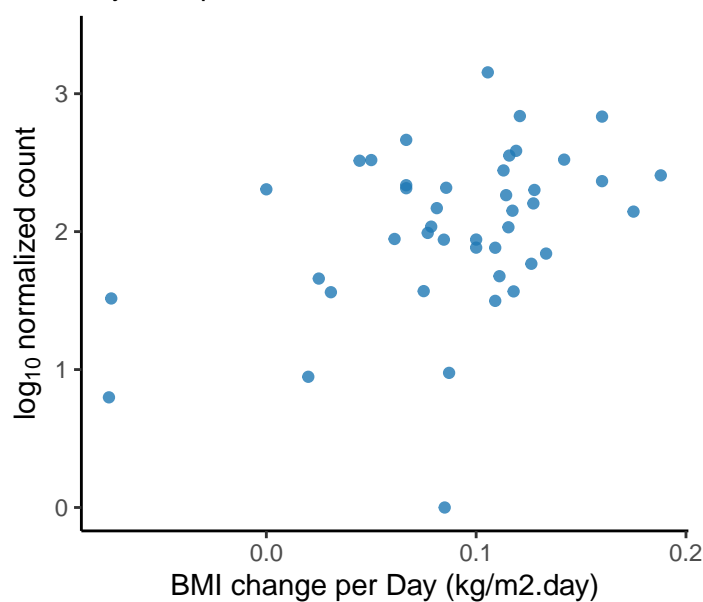
**Sphingosinithalassobacter**

adjusted p = 0.0391



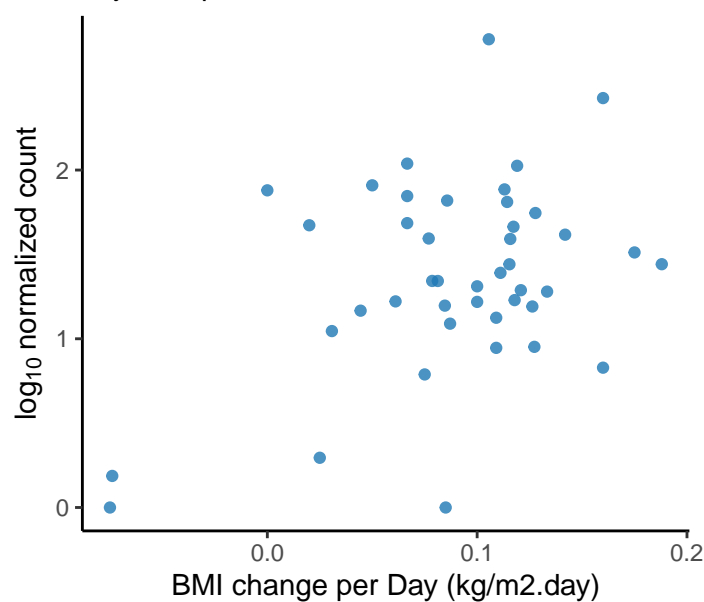
**Serpentinomonas**

adjusted p = 0.0394



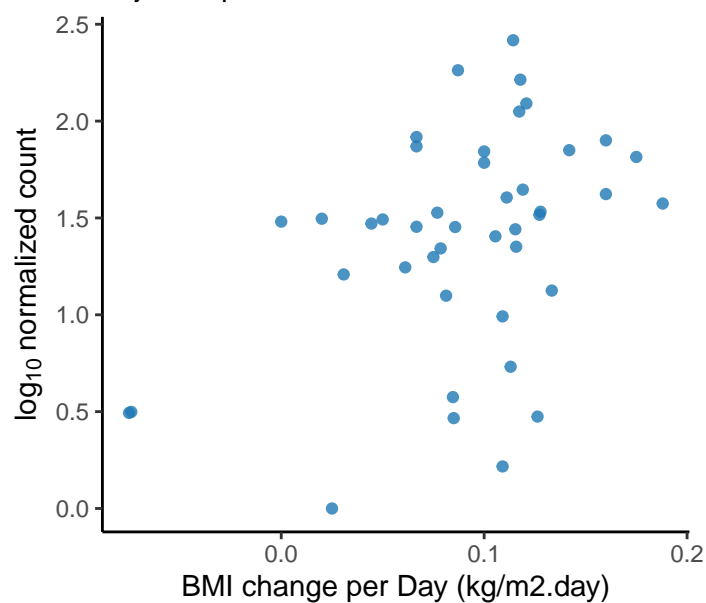
**Halalkalicoccus**

adjusted p = 0.0394



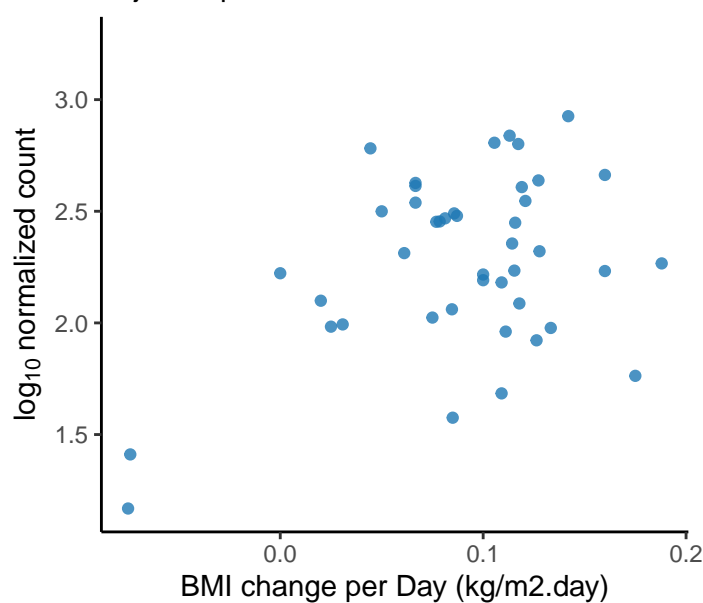
**Parasaccharibacter**

adjusted p = 0.0395



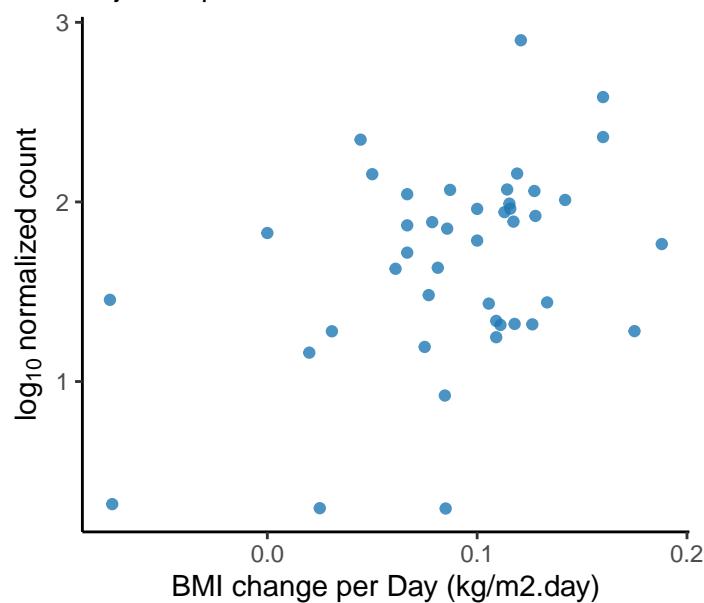
**Gluconobacter**

adjusted p = 0.0396



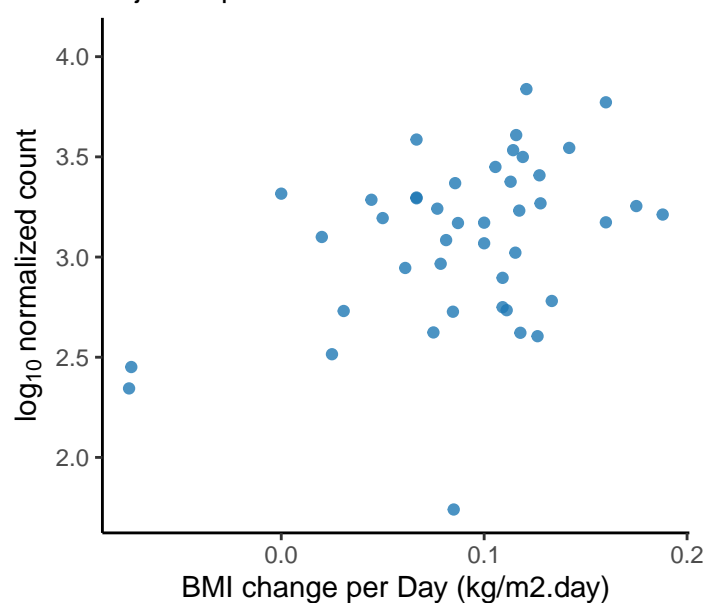
**Boseongicola**

adjusted p = 0.0398



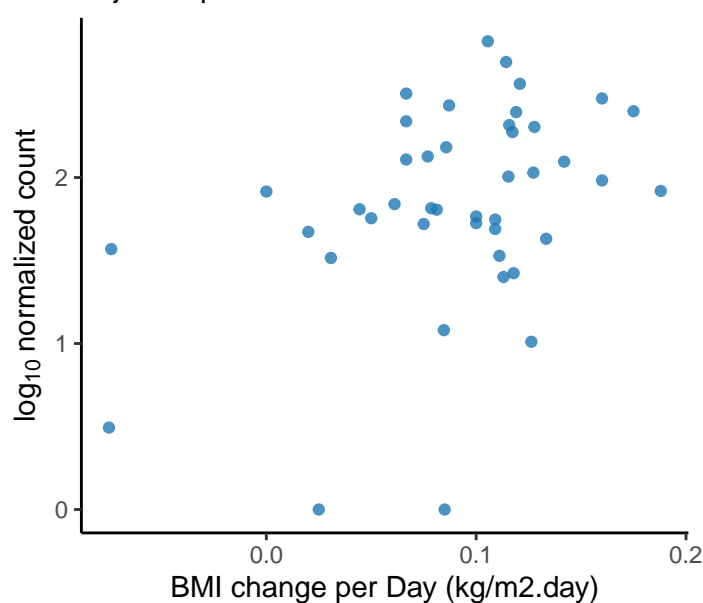
**Variovorax**

adjusted p = 0.0398



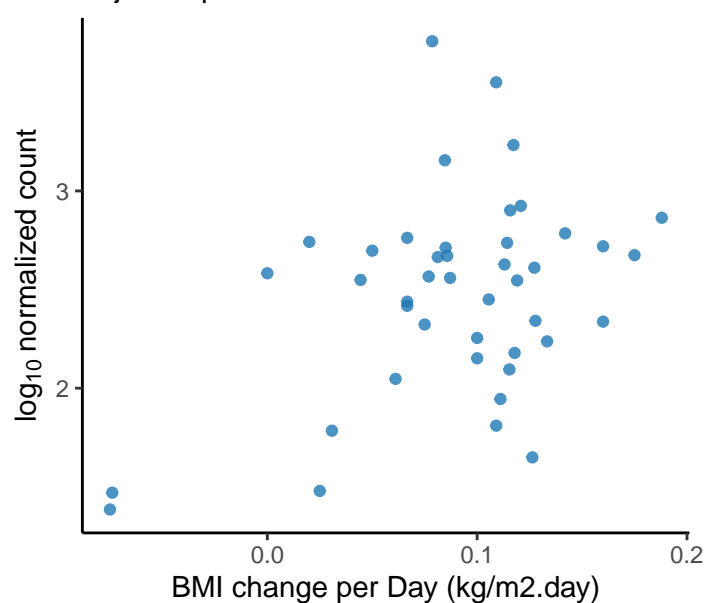
**Blastococcus**

adjusted p = 0.0399



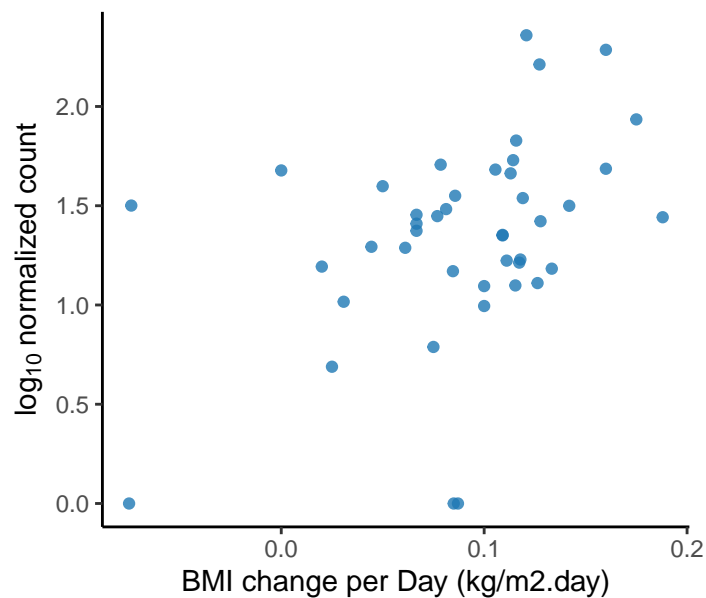
**Sutterella**

adjusted p = 0.0406



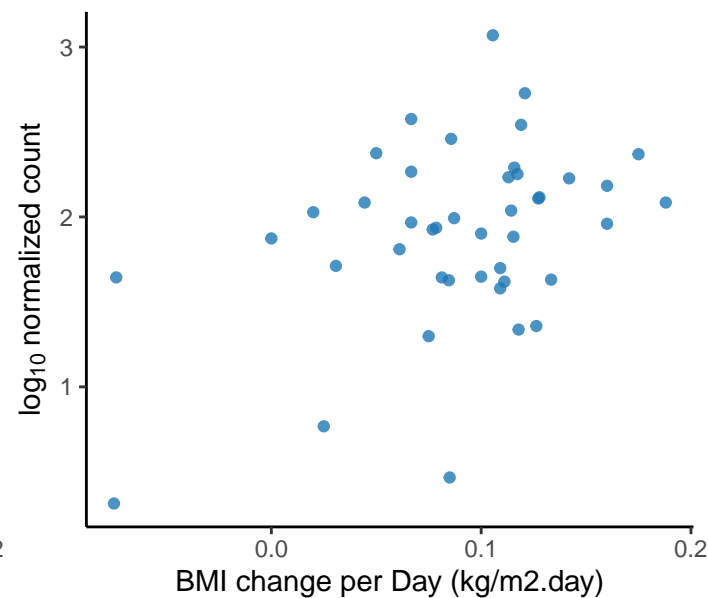
Unclassified Aeromonadaceae Family

adjusted p = 0.0406



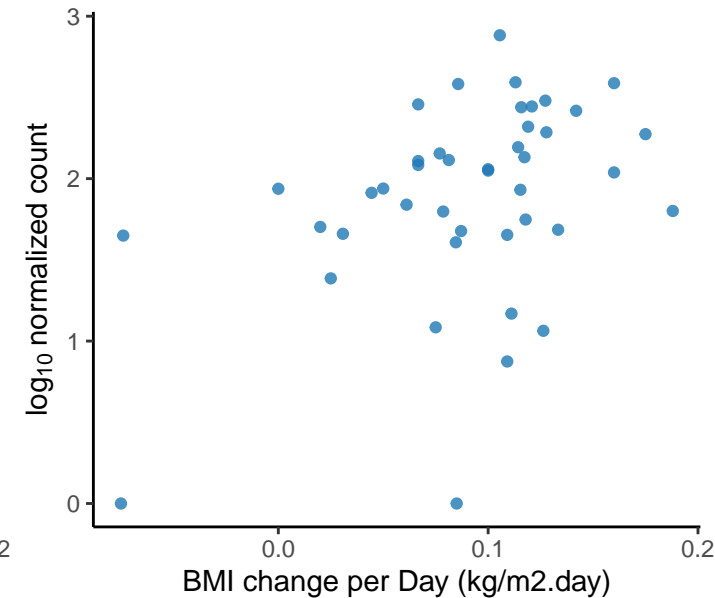
Salipiger

adjusted p = 0.041



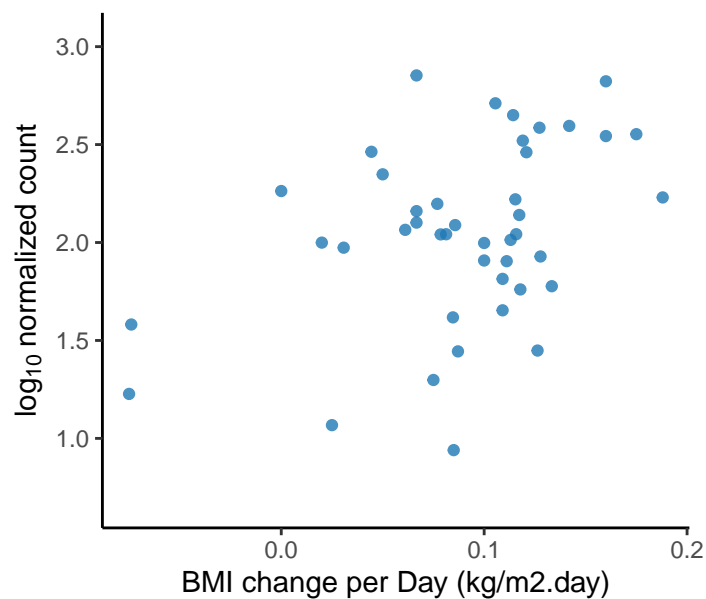
Streptomonospora

adjusted p = 0.0411



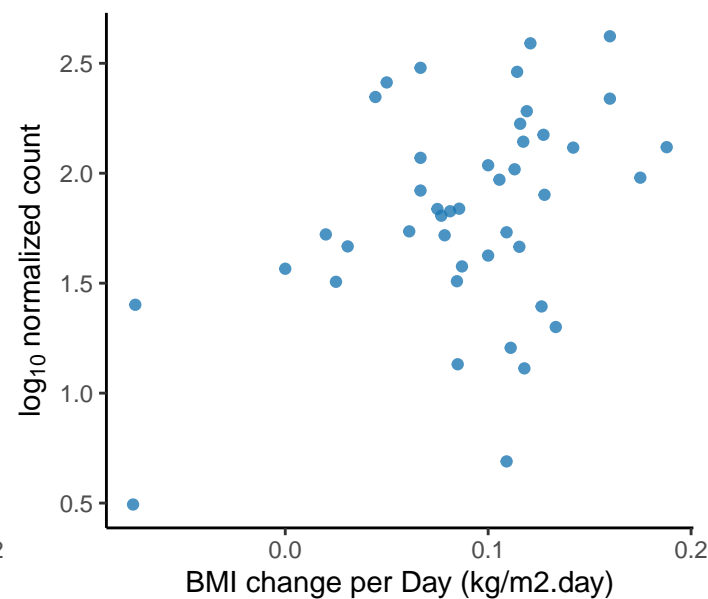
Unclassified Planctomycetales Order

adjusted p = 0.0411



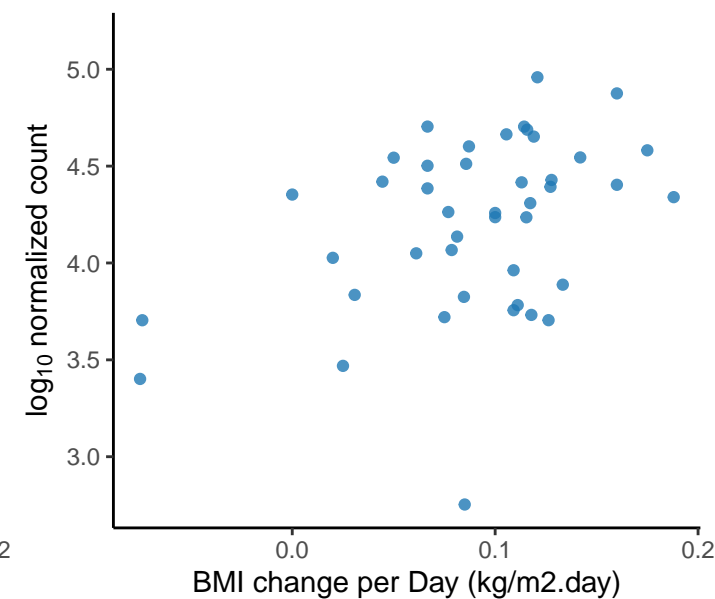
Methylococcus

adjusted p = 0.0412



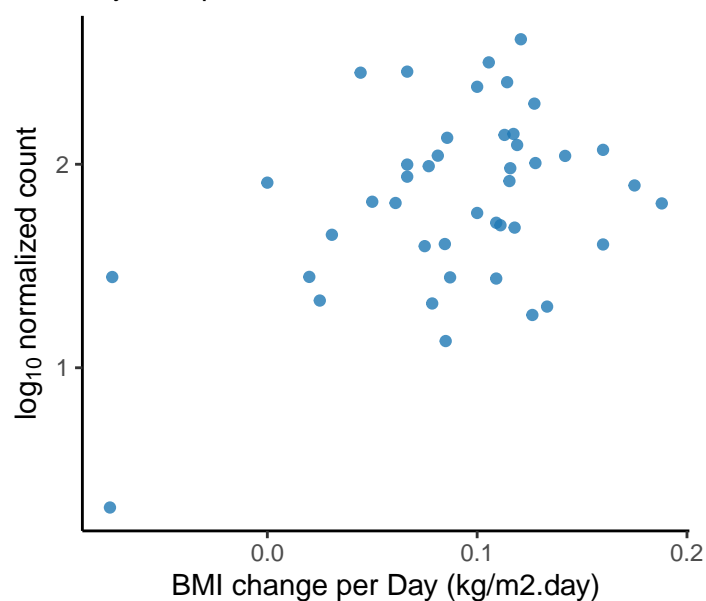
Streptomyces

adjusted p = 0.0412



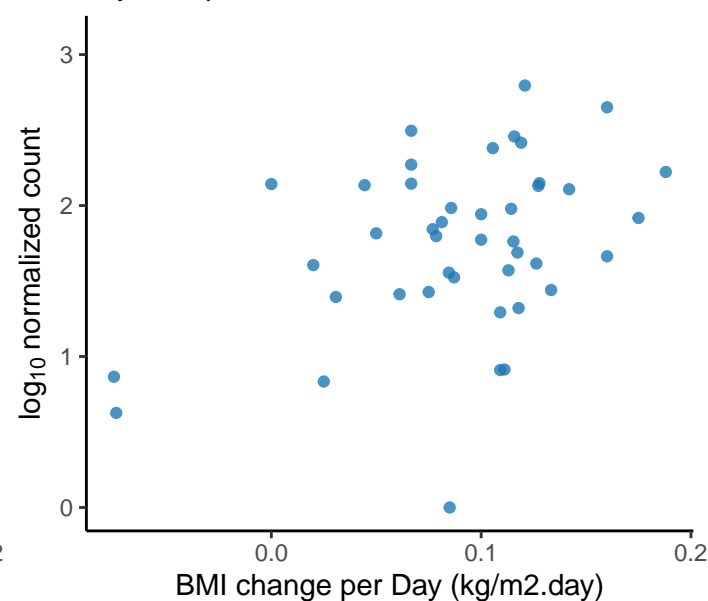
Methanoregula

adjusted p = 0.0412



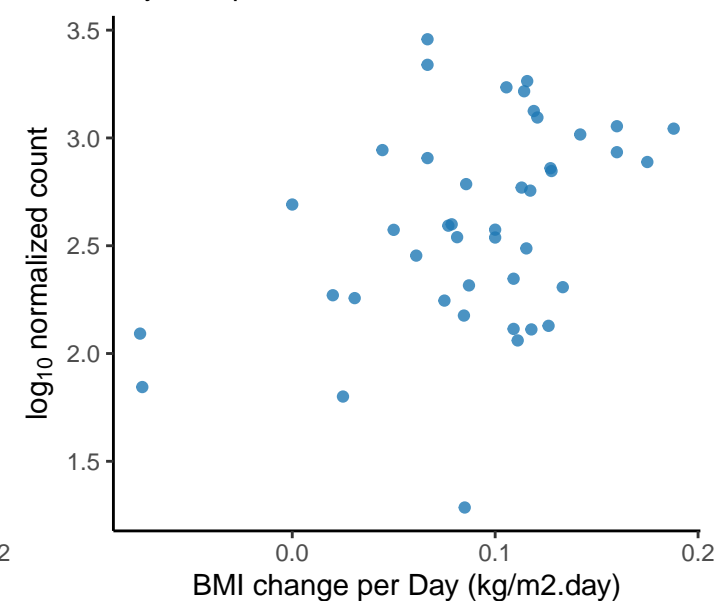
Salinisphaera

adjusted p = 0.0412



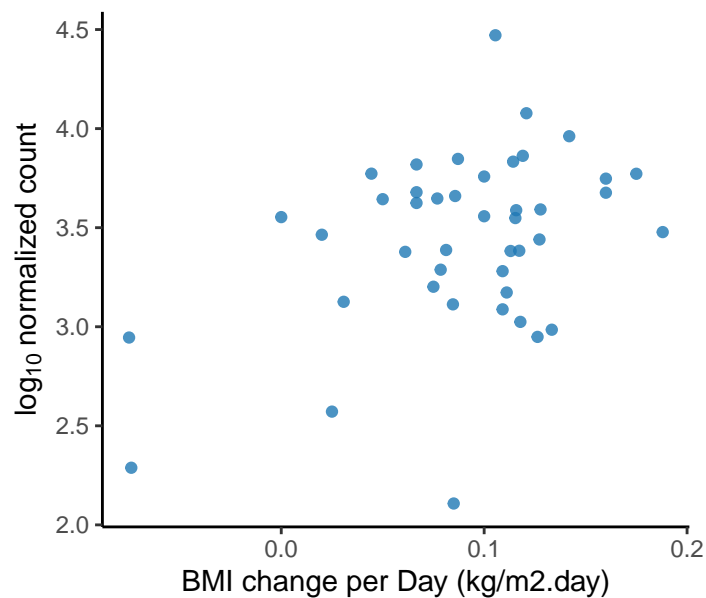
Thioalkalivibrio

adjusted p = 0.0418



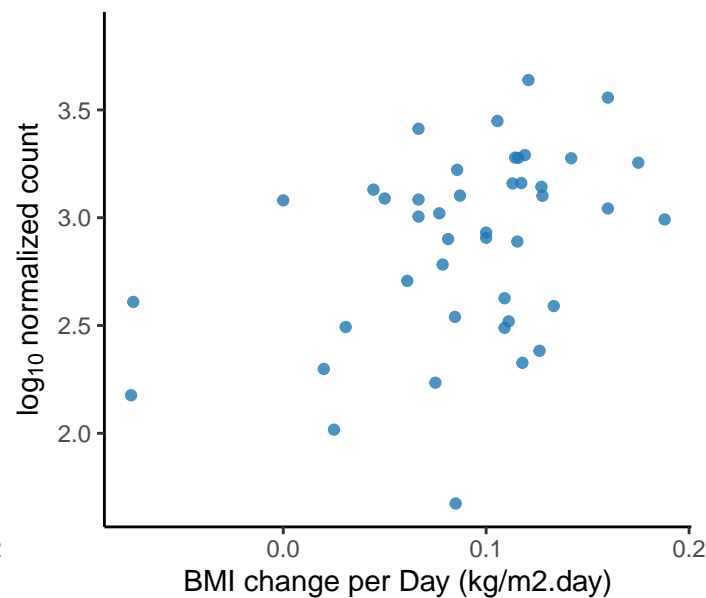
**Caproiciproducens**

adjusted p = 0.0419



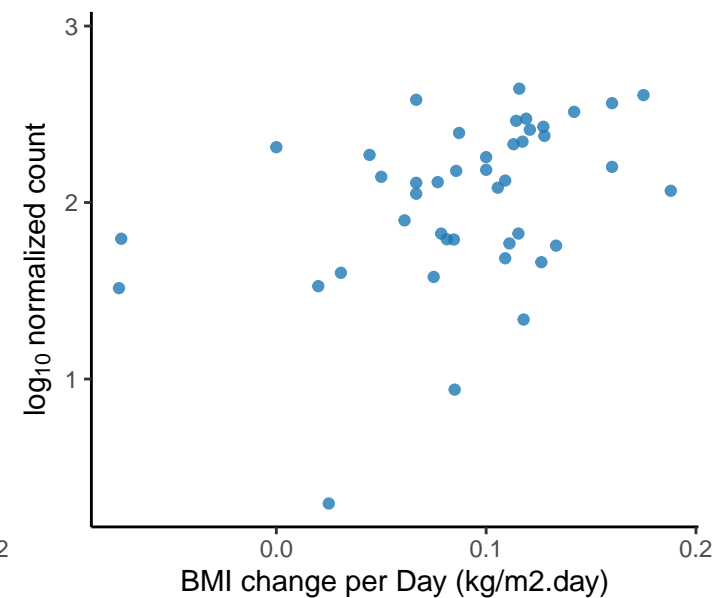
**Lysobacter**

adjusted p = 0.0419



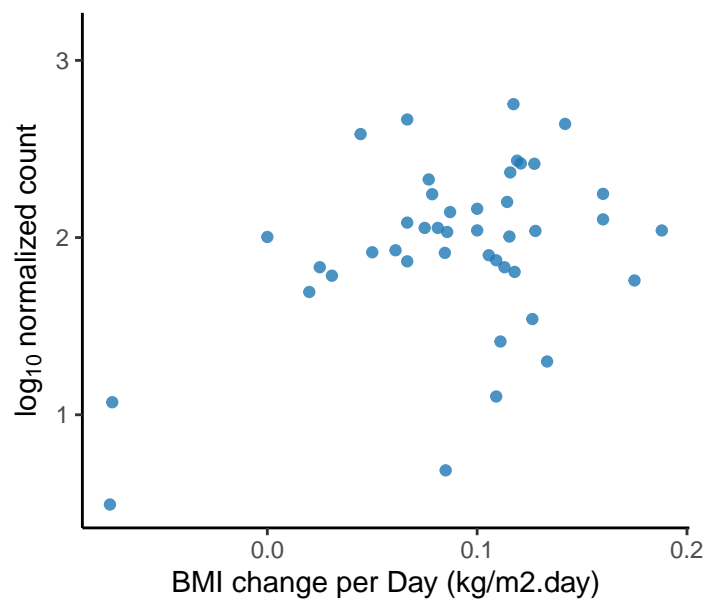
**Methylibium**

adjusted p = 0.0419



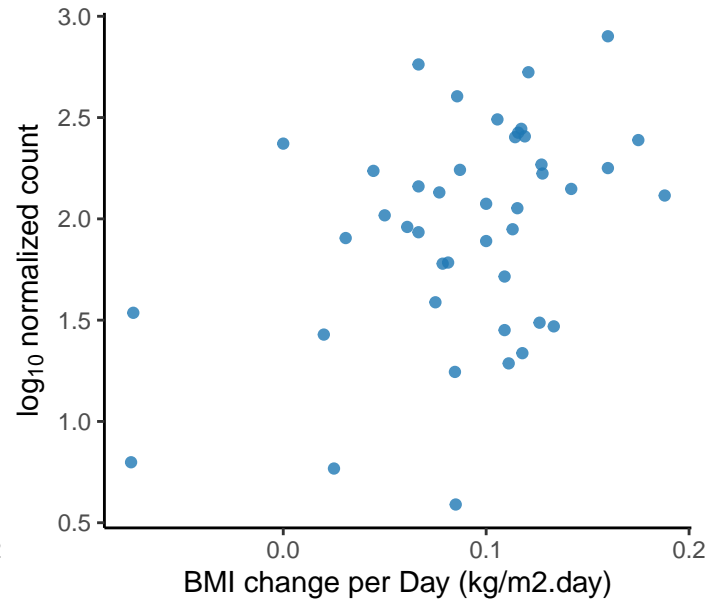
**Micavibrio**

adjusted p = 0.0419



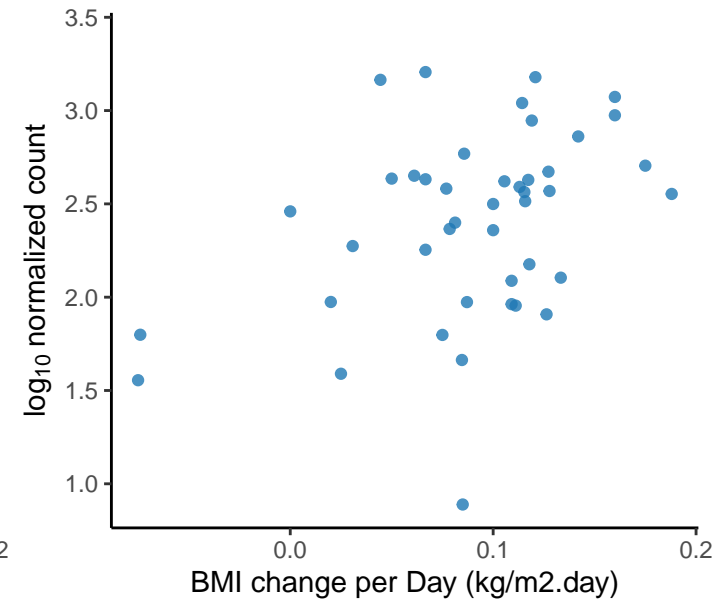
**Unclassified Iamiaceae Family**

adjusted p = 0.0419



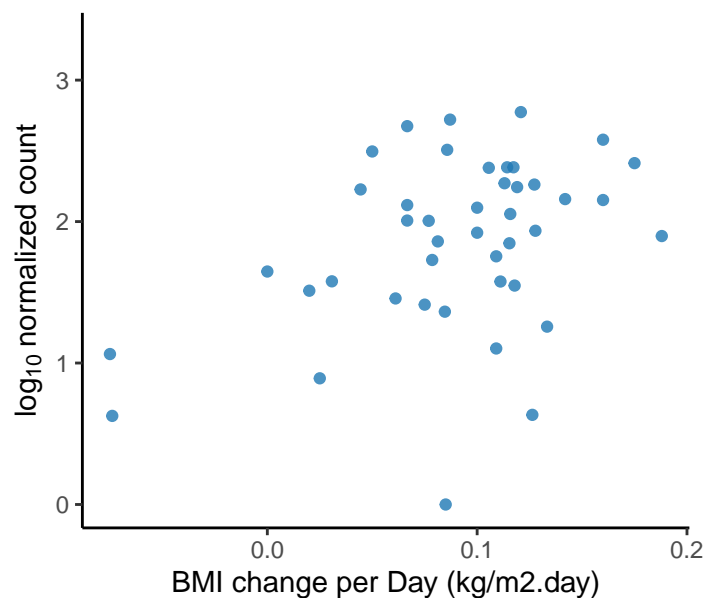
**Verrucomicrobium**

adjusted p = 0.0419



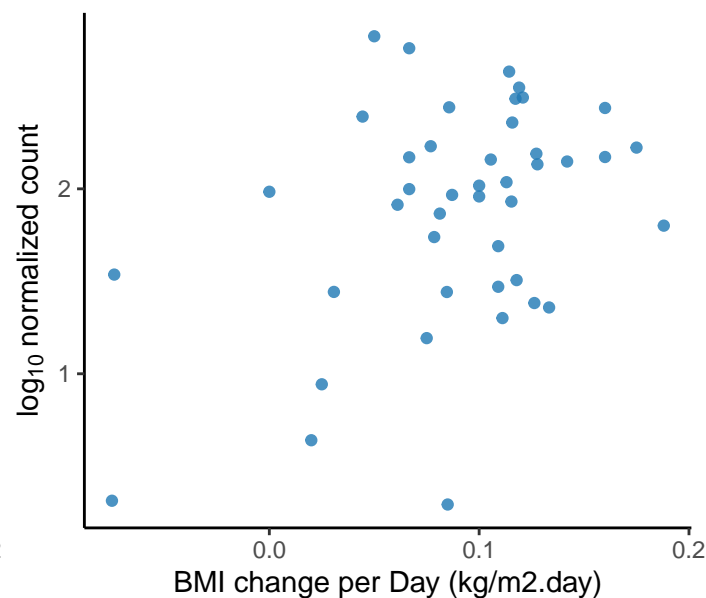
**Methyloversatilis**

adjusted p = 0.0425



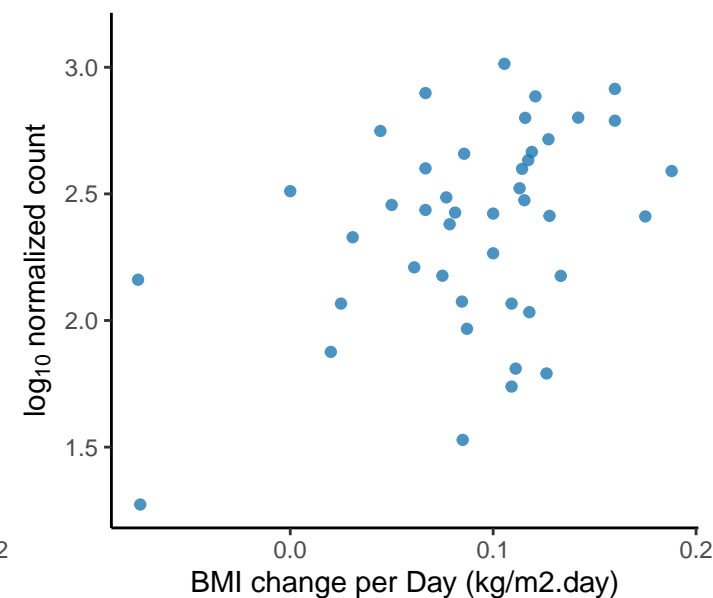
**Breoghanina**

adjusted p = 0.0427



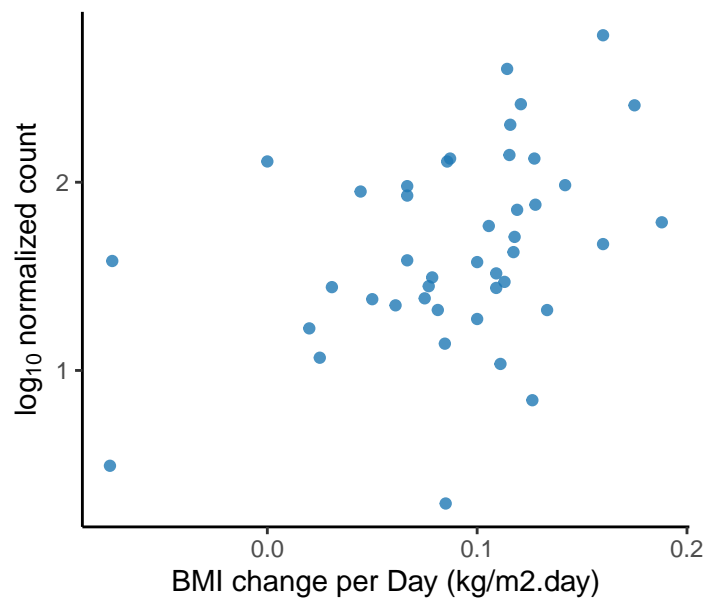
**Alcaligenes**

adjusted p = 0.0432



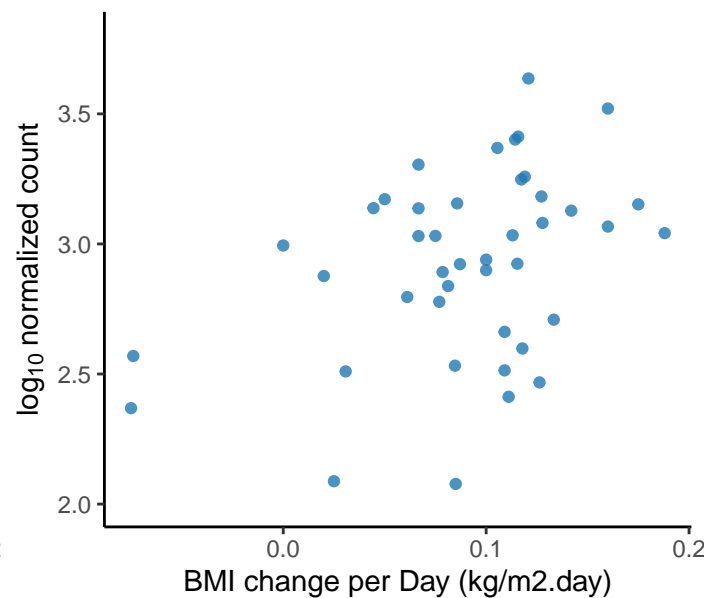
**Methanofollis**

adjusted p = 0.0434



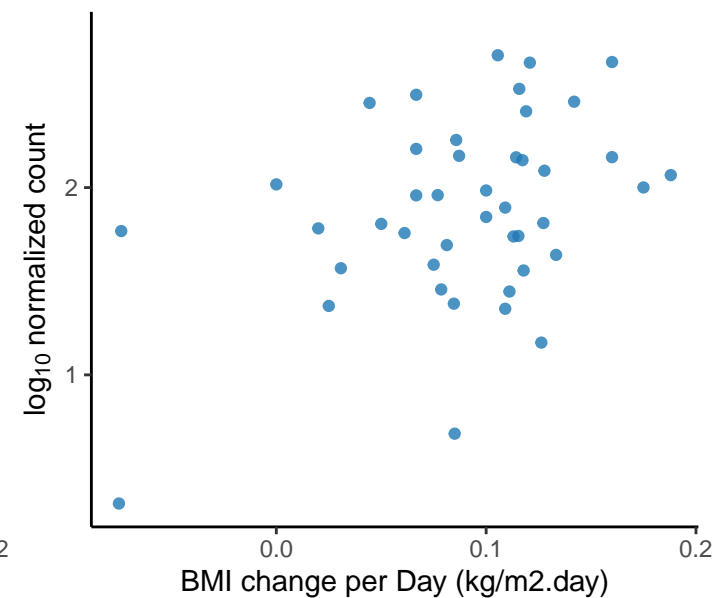
**Brevundimonas**

adjusted p = 0.0438



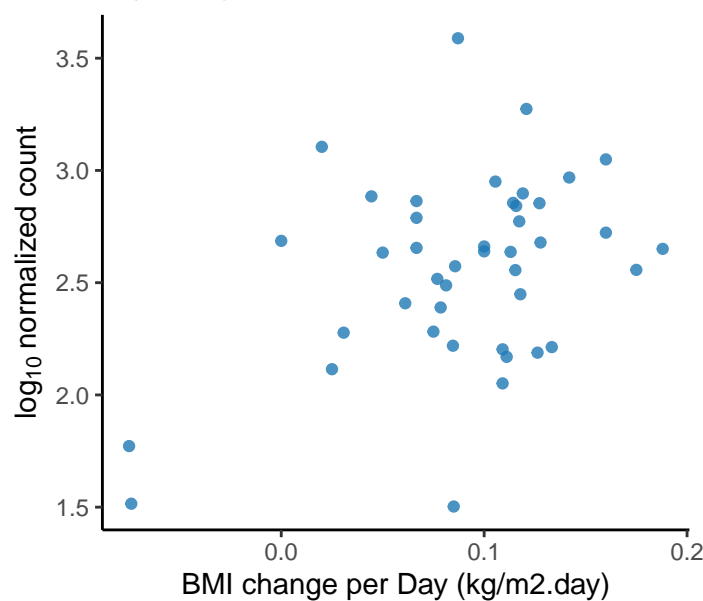
**Gluconacetobacter**

adjusted p = 0.0438



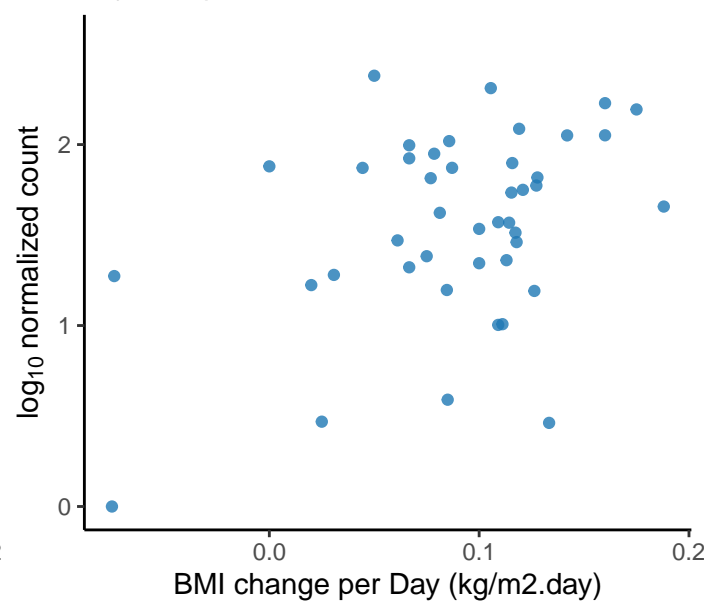
**Alcanivorax**

adjusted p = 0.044



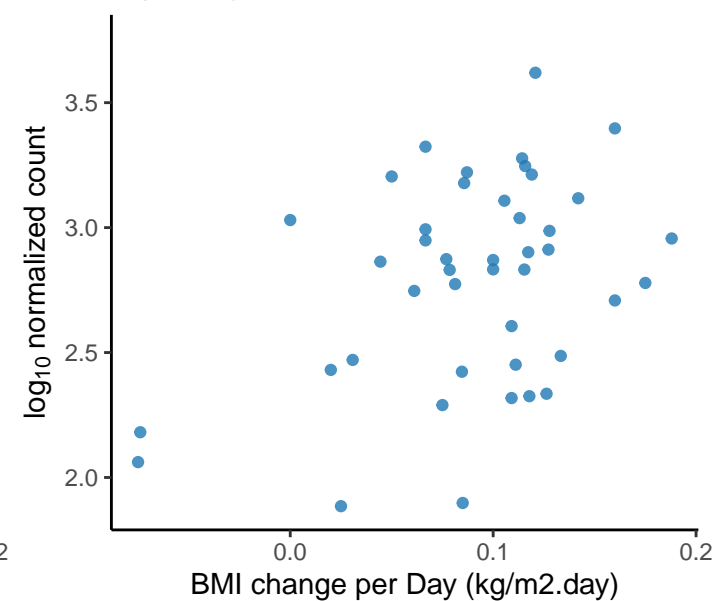
**Mycetohabitans**

adjusted p = 0.044



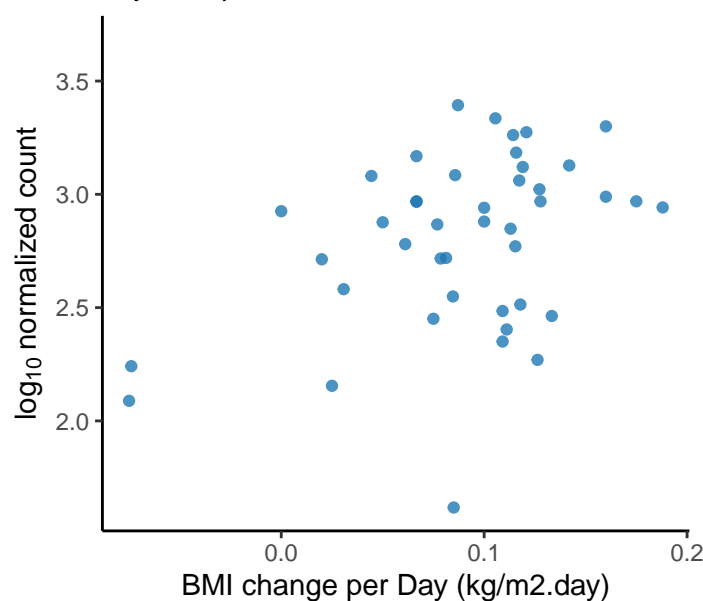
**Azoarcus**

adjusted p = 0.0443



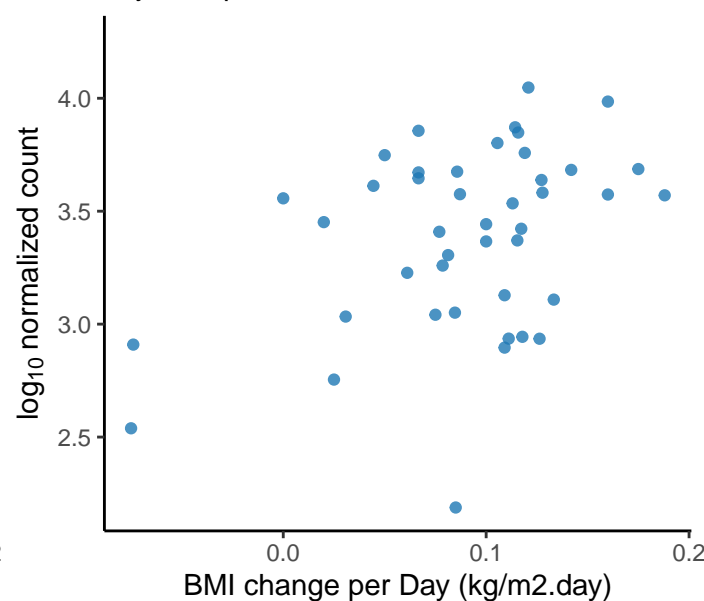
**Sinorhizobium**

adjusted p = 0.0445



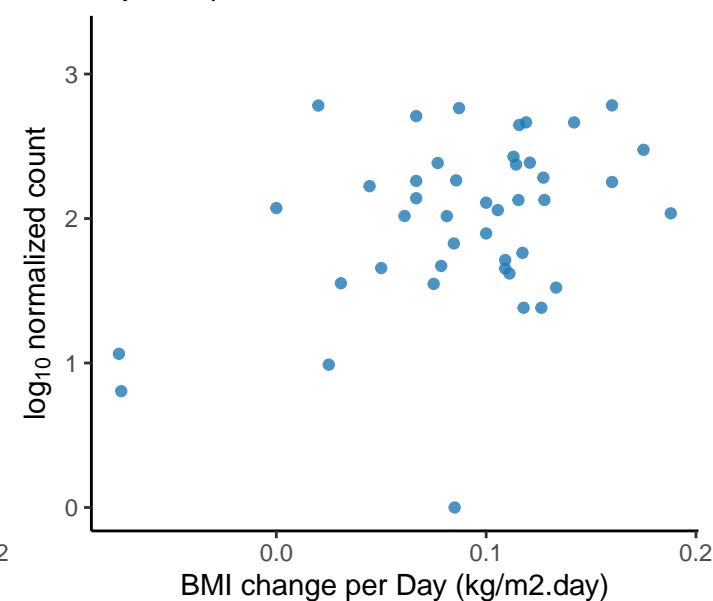
**Mycobacterium**

adjusted p = 0.0449



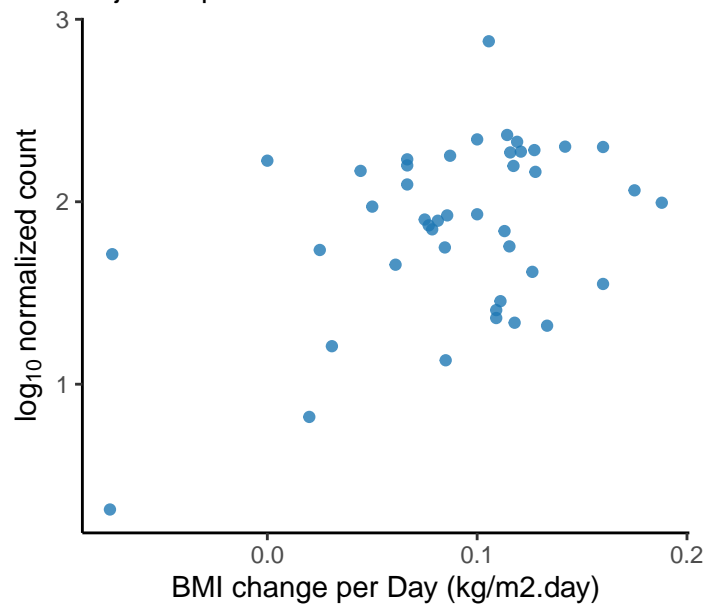
**Halobacterium**

adjusted p = 0.045



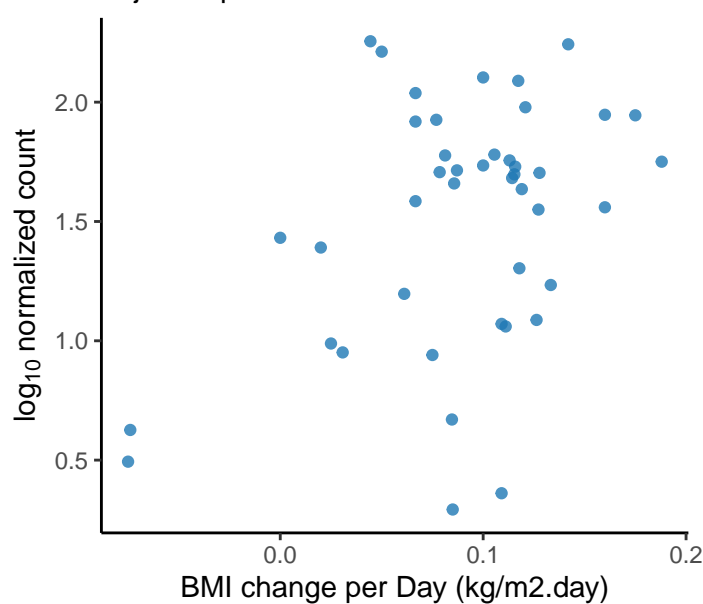
### Halorhabdus

adjusted p = 0.045



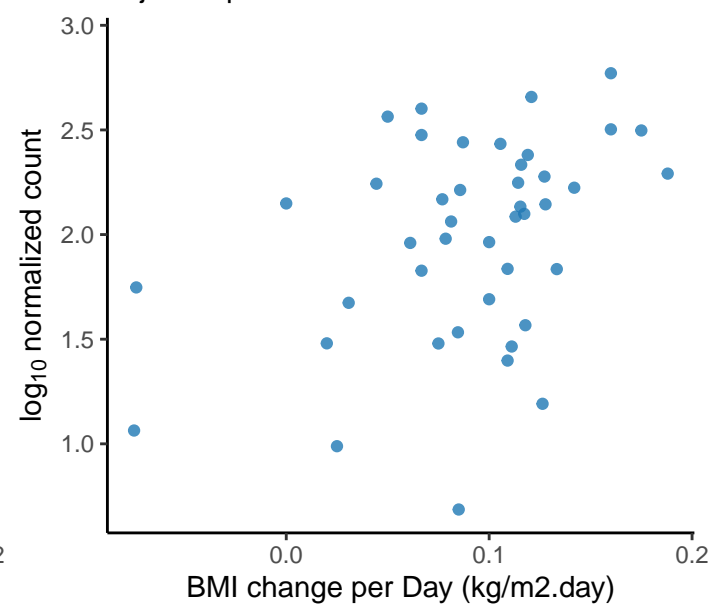
### Methylobacillus

adjusted p = 0.045



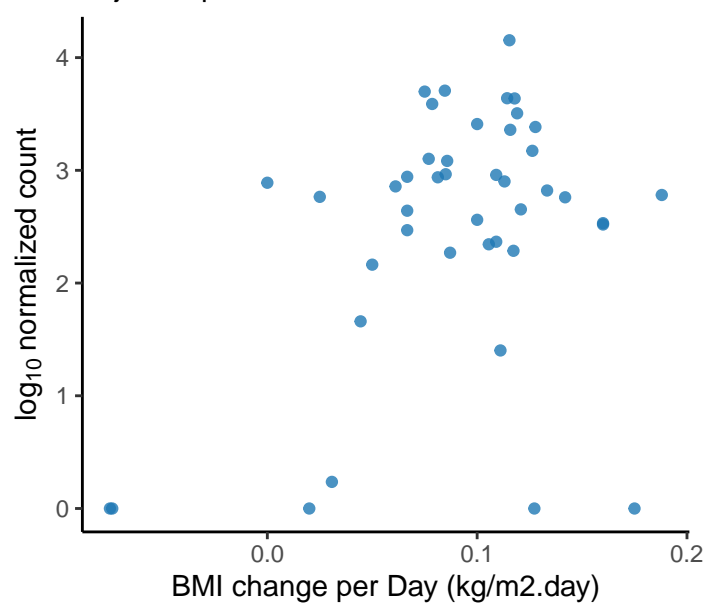
### Solimonas

adjusted p = 0.045



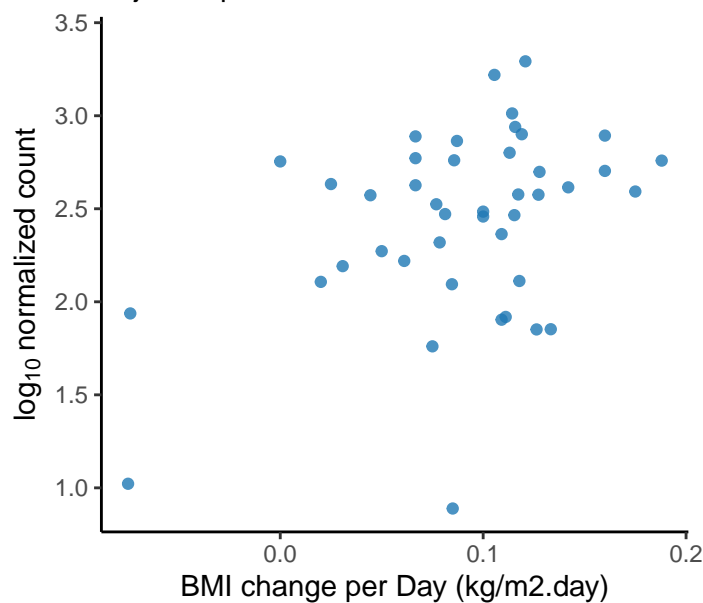
### Unclassified Odoribacteraceae Family

adjusted p = 0.045



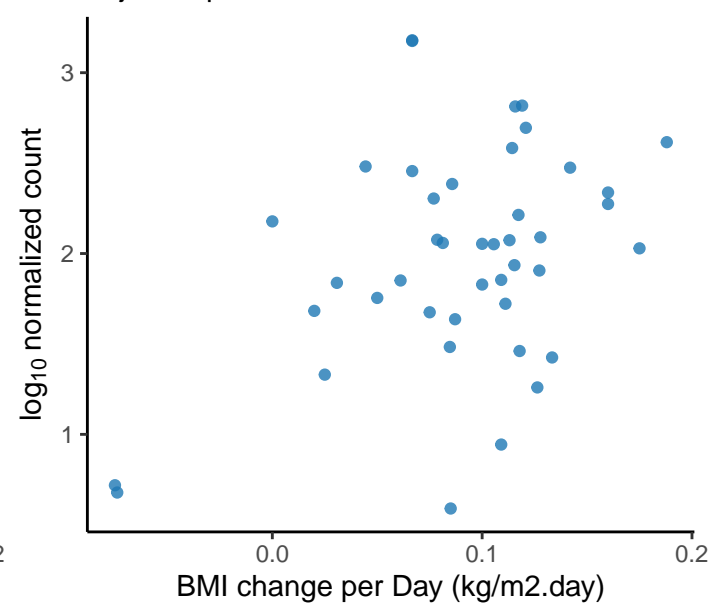
### Actinoalloteichus

adjusted p = 0.0451



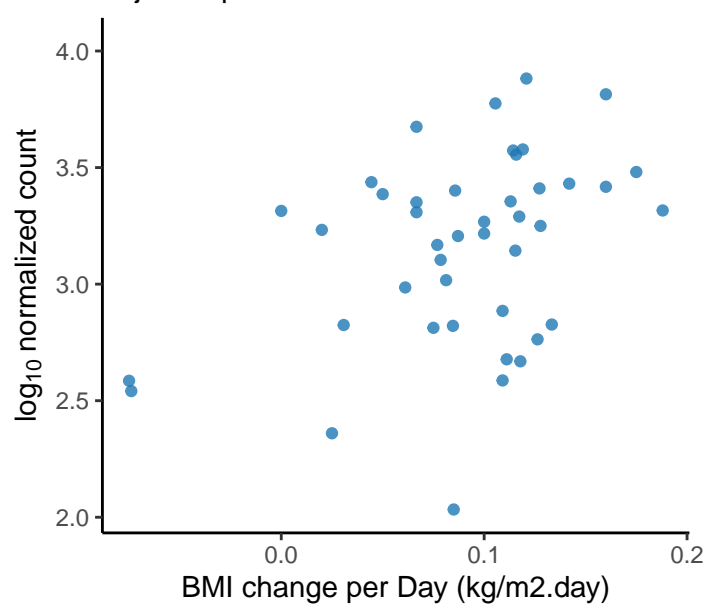
### Candidatus Koribacter

adjusted p = 0.0451



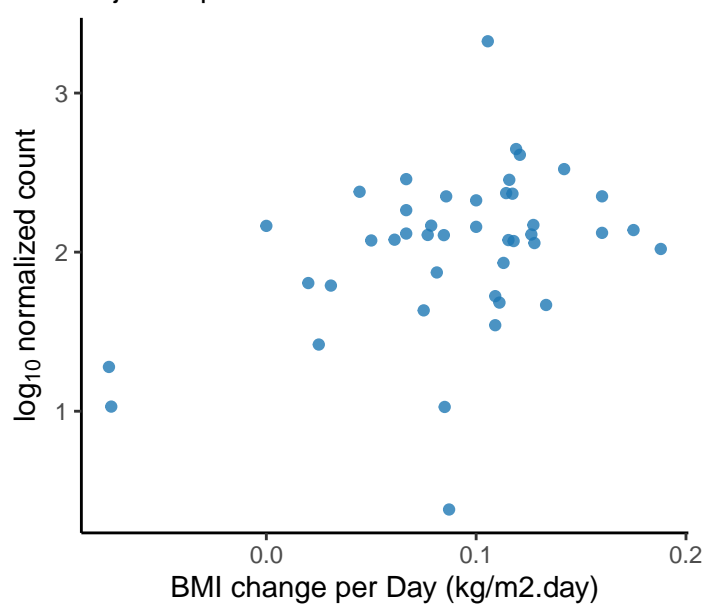
### Bordetella

adjusted p = 0.0451



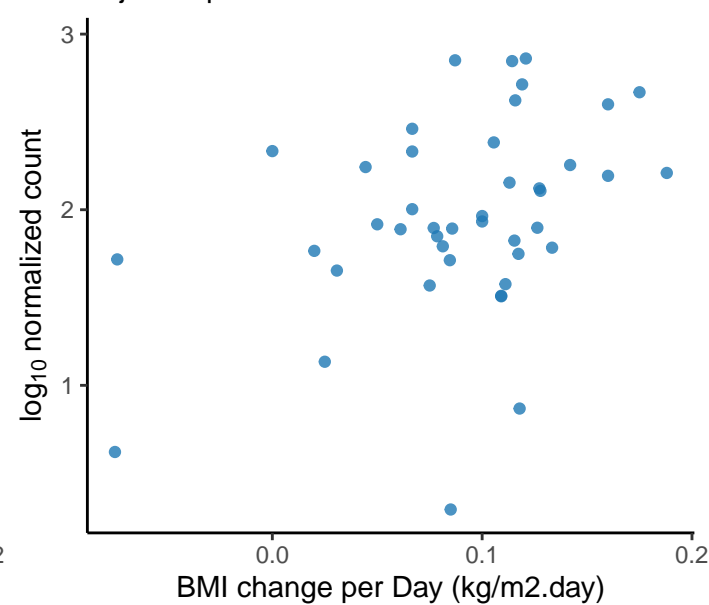
### Brucella

adjusted p = 0.0451



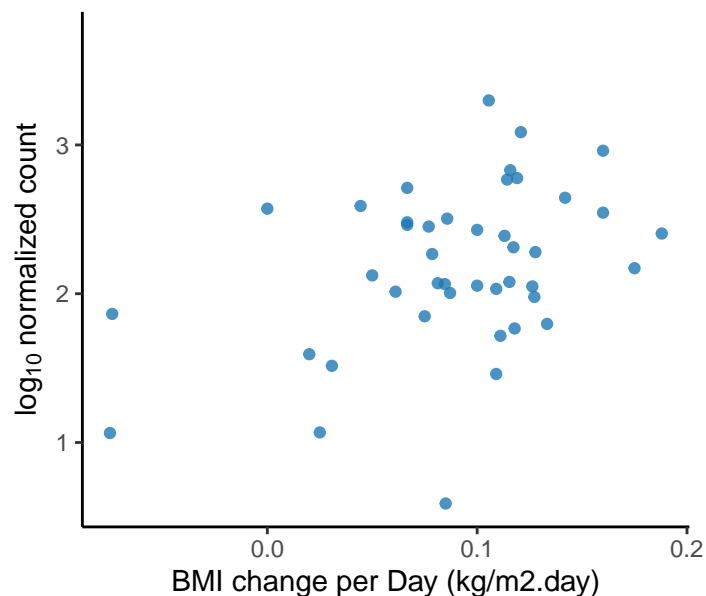
### Kineococcus

adjusted p = 0.0451



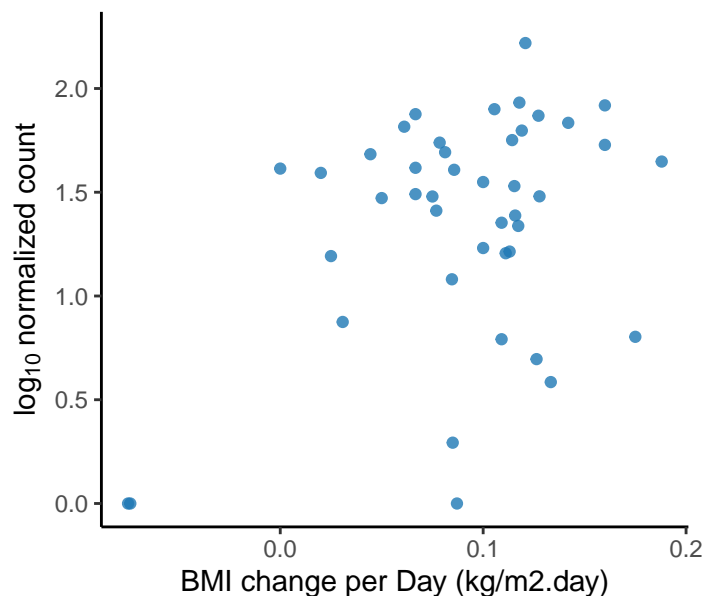
Ottowia

adjusted p = 0.0451



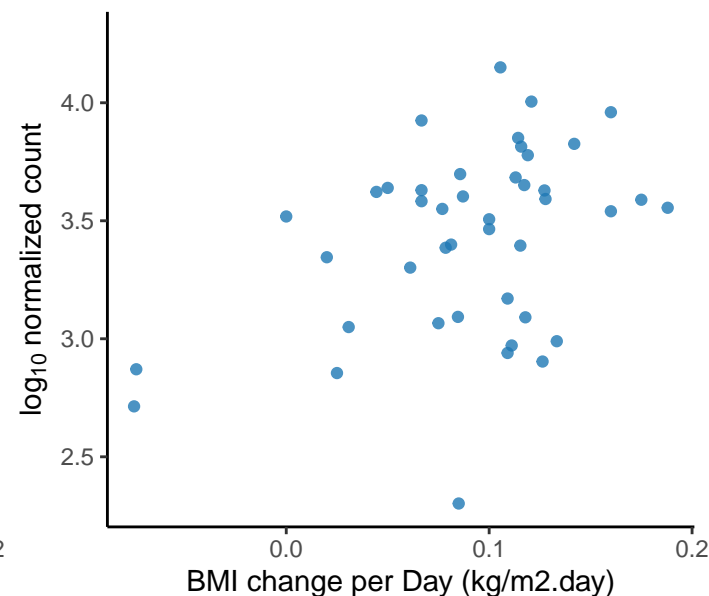
Thermovibrio

adjusted p = 0.0451



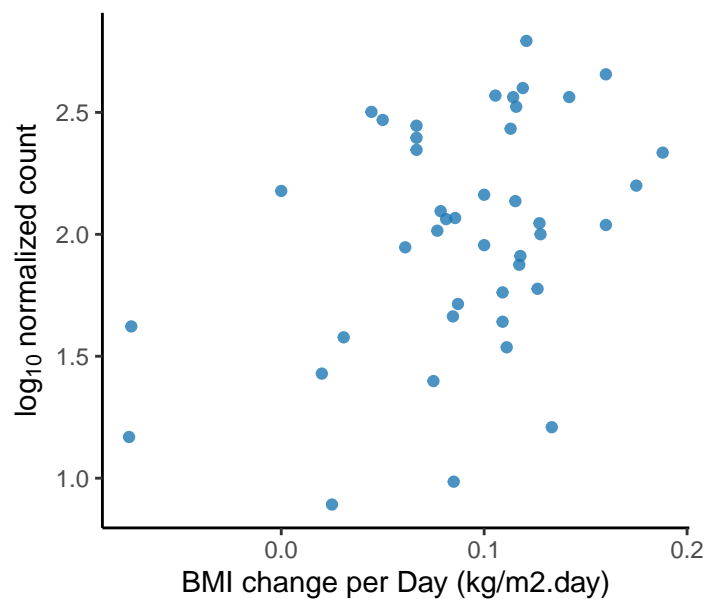
Bradyrhizobium

adjusted p = 0.0453



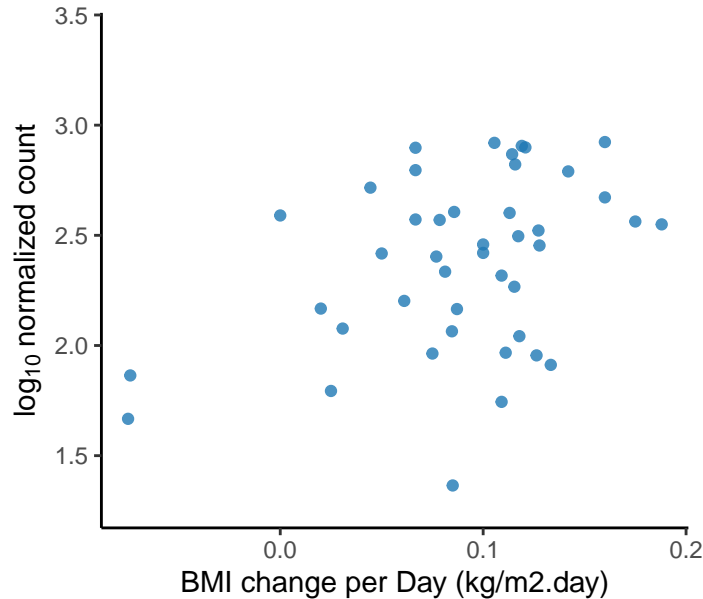
Nissabacter

adjusted p = 0.0453



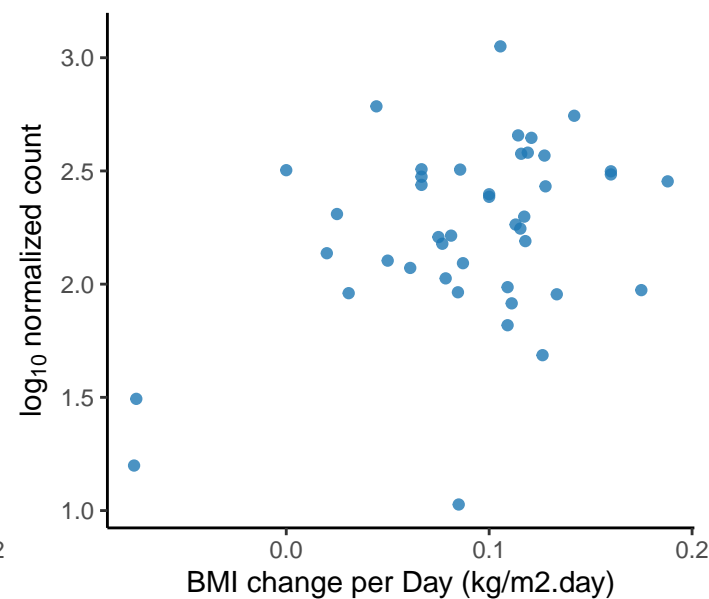
Unclassified Alcaligenaceae Family

adjusted p = 0.0454



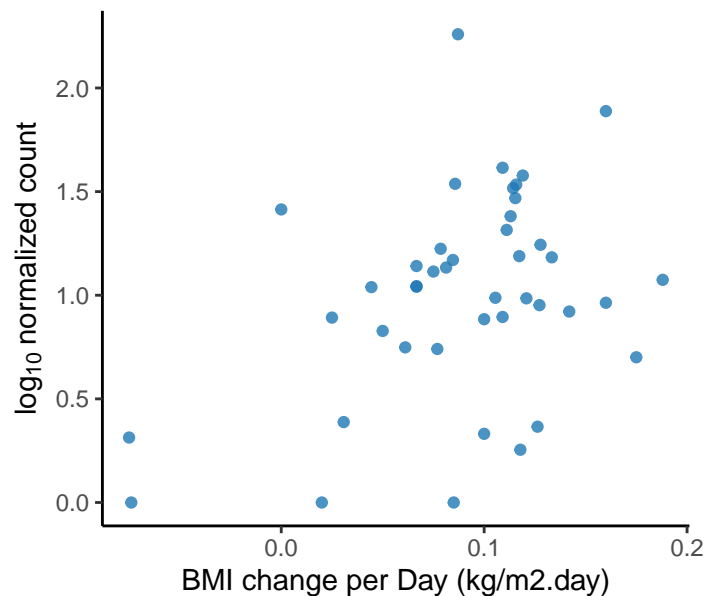
Staphylospora

adjusted p = 0.0459



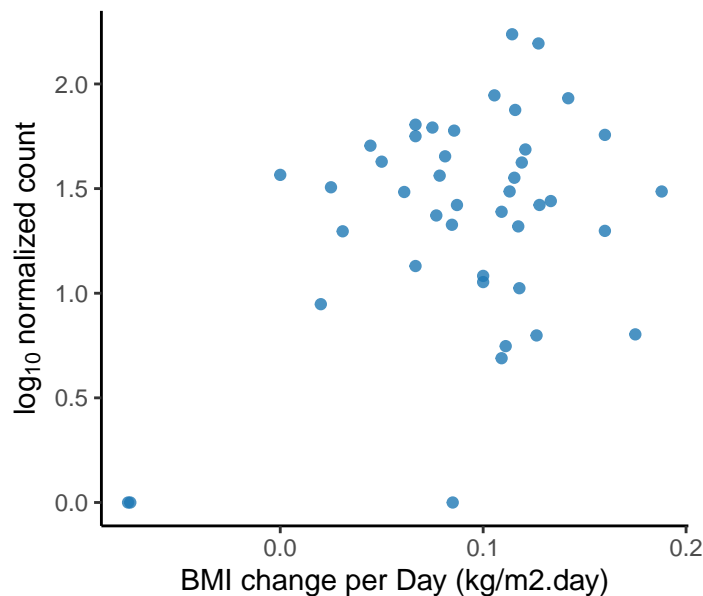
Unclassified Methylocystaceae Family

adjusted p = 0.0459



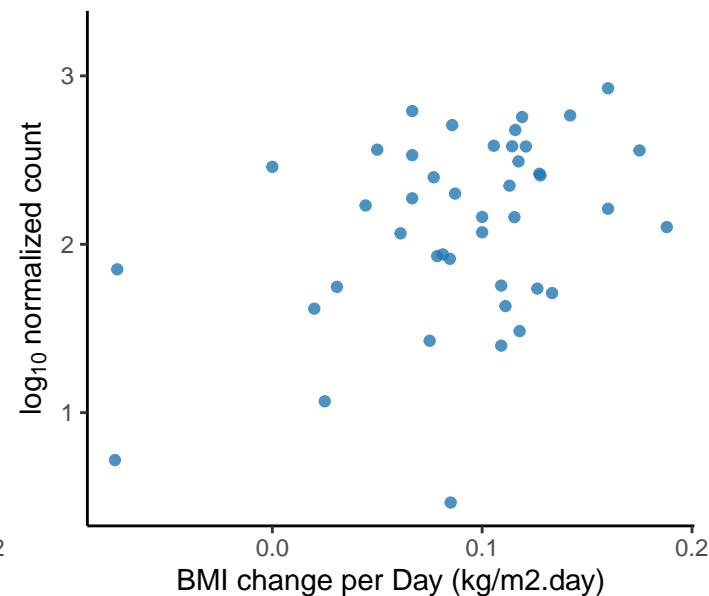
Bythopirellula

adjusted p = 0.0461



Sanguibacter

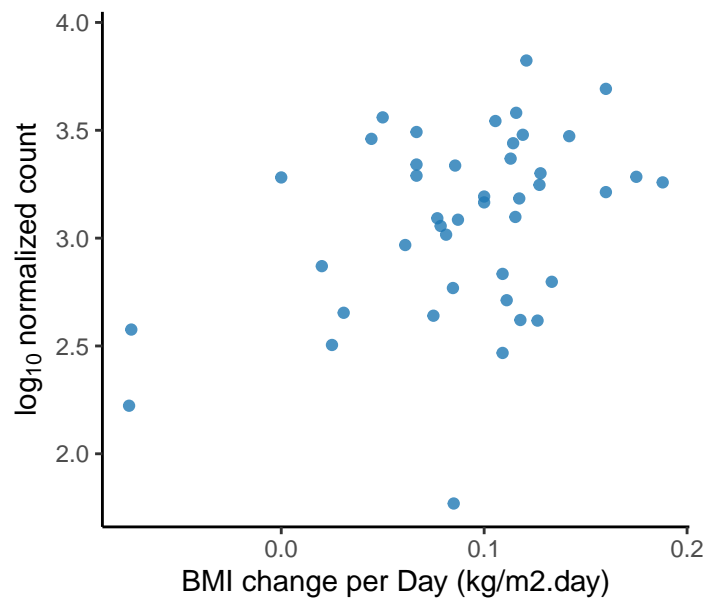
adjusted p = 0.0461





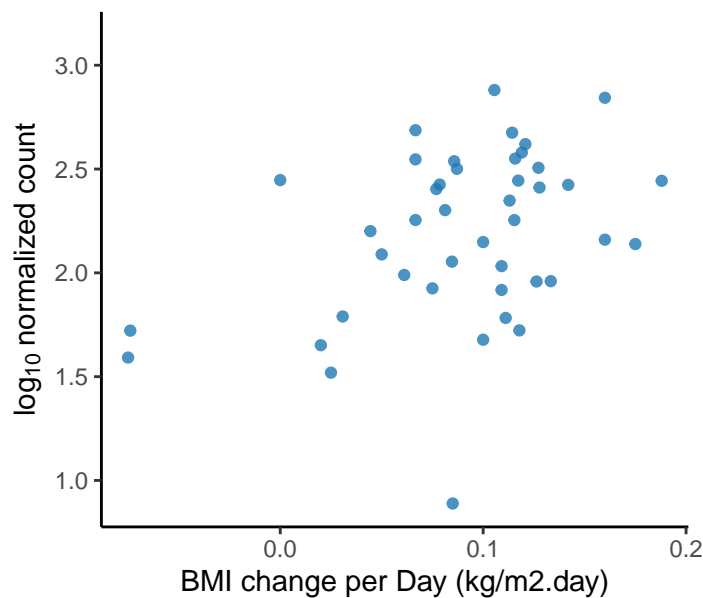
**Achromobacter**

adjusted p = 0.0471



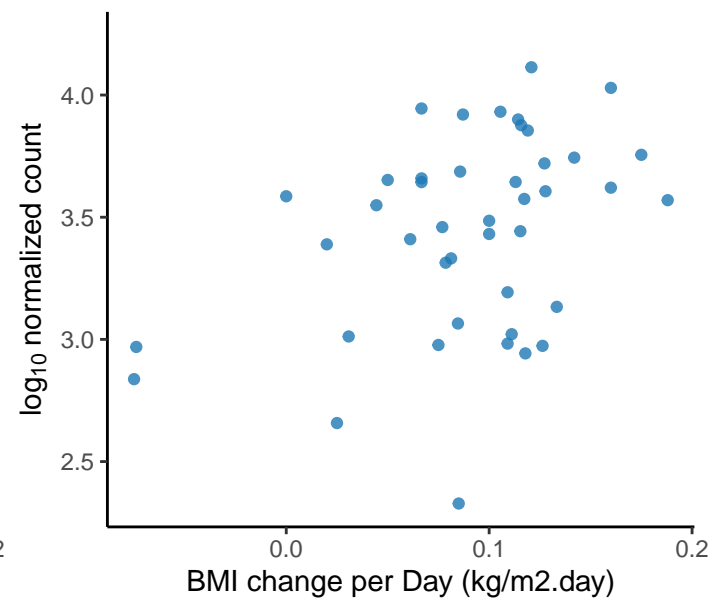
**Acidihalobacter**

adjusted p = 0.0474



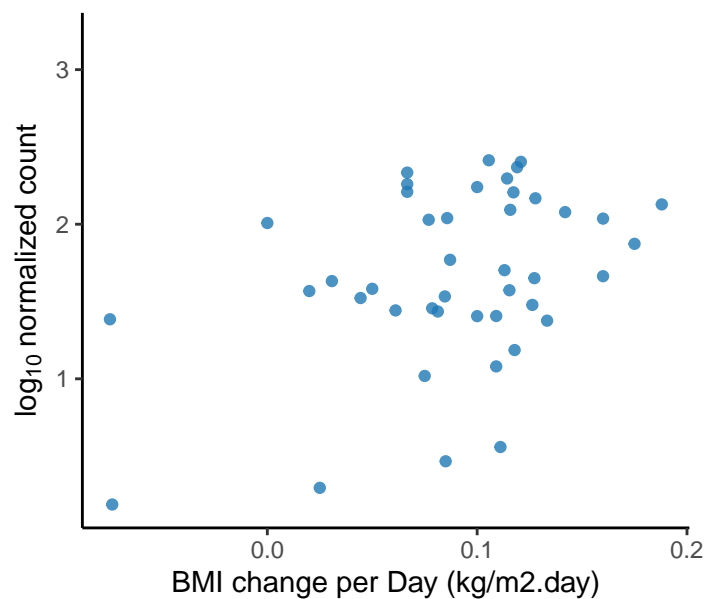
**Mycolicibacterium**

adjusted p = 0.0474



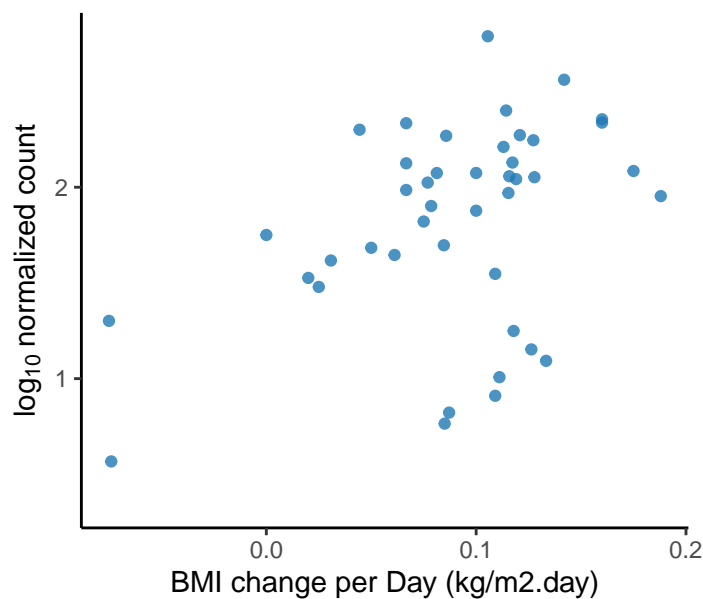
**Segniliparus**

adjusted p = 0.0481



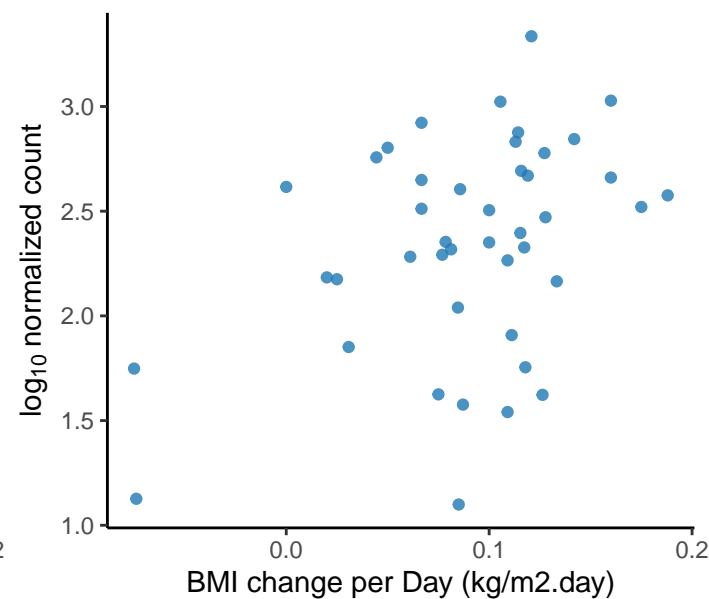
**Unclassified Lacipirellulaceae Family**

adjusted p = 0.0482



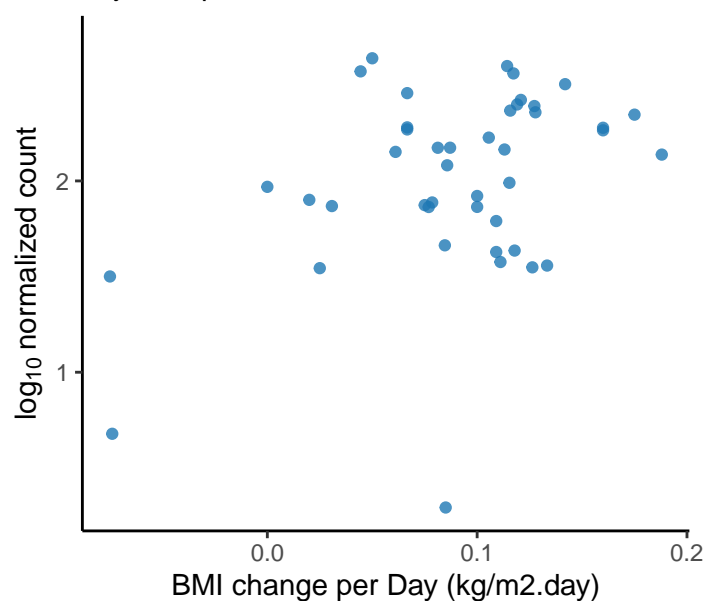
**Polaromonas**

adjusted p = 0.0482



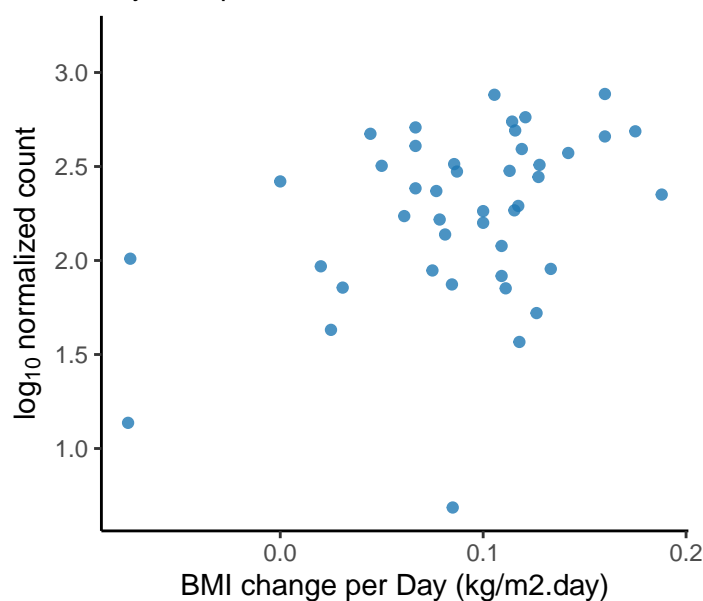
**Unclassified Armatimonadetes Phylum**

adjusted p = 0.0482



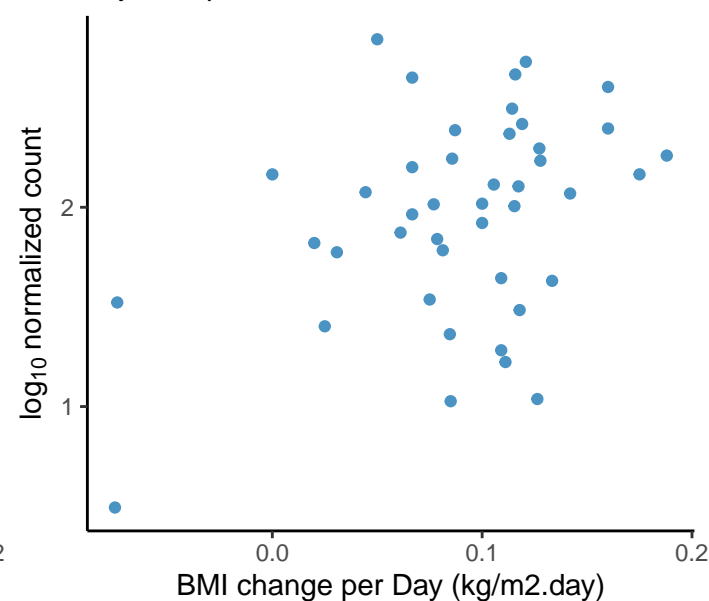
**Unclassified Bradymonadales Order**

adjusted p = 0.0482



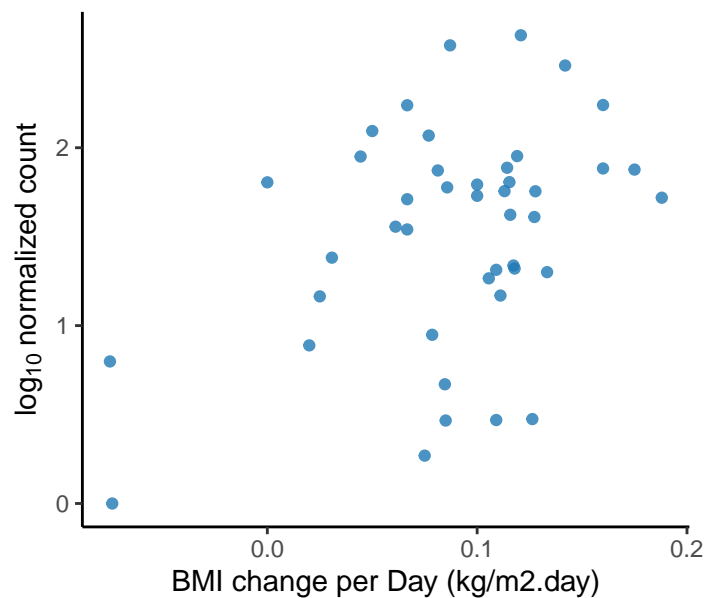
**Natronolimnobius**

adjusted p = 0.0485



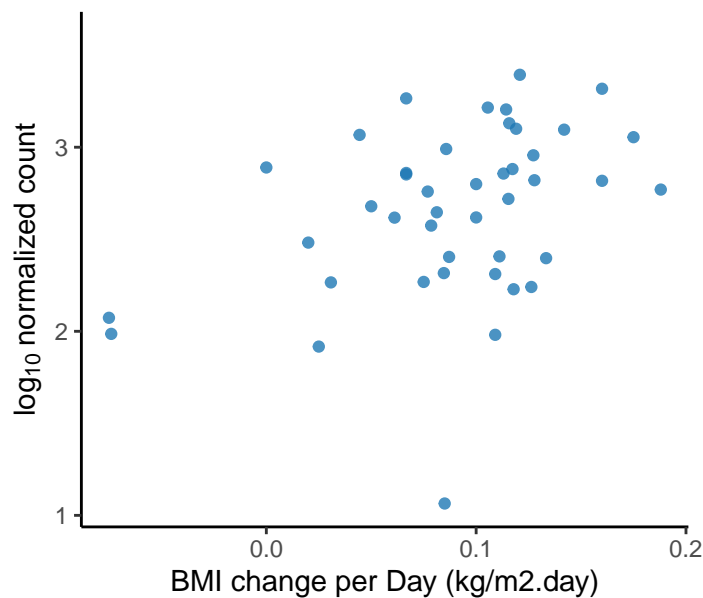
### Hydrocarboniclastica

adjusted p = 0.0487



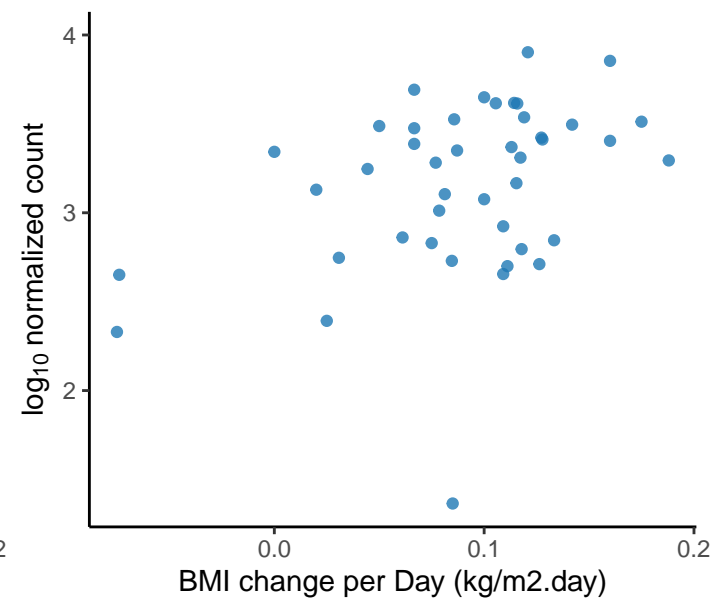
### Altererythrobacter

adjusted p = 0.049



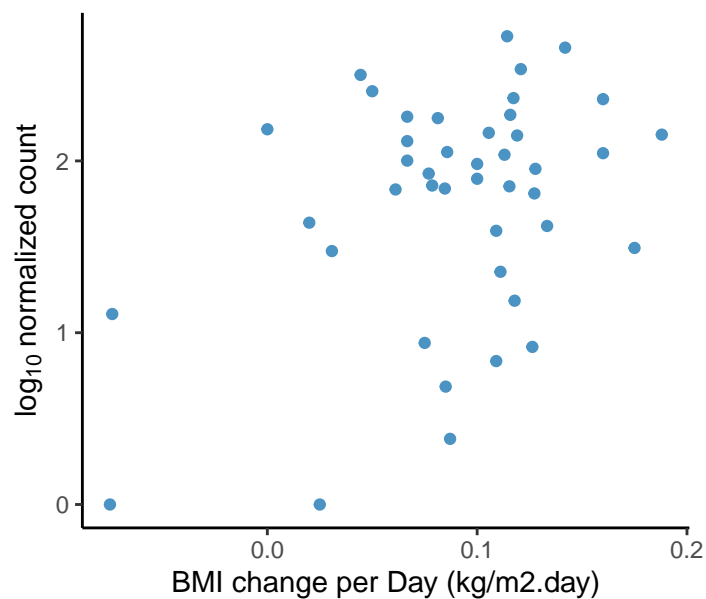
### Nocardioides

adjusted p = 0.0491



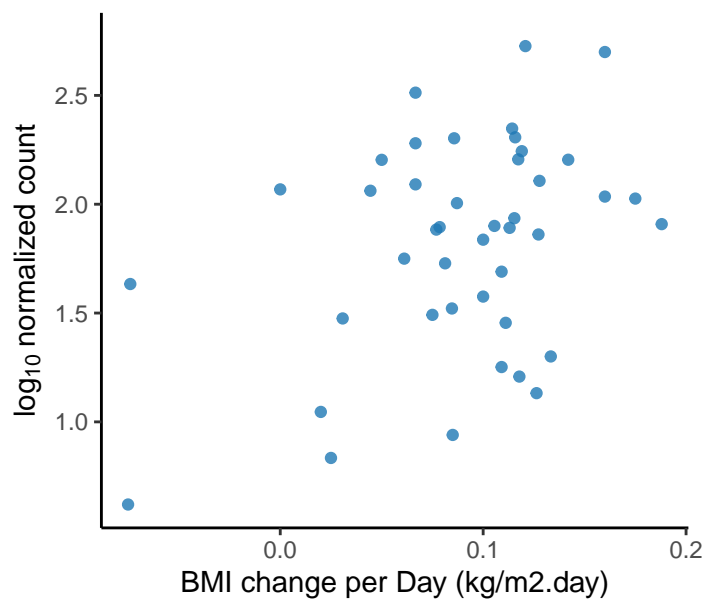
### Pseudorhodoplanes

adjusted p = 0.0507



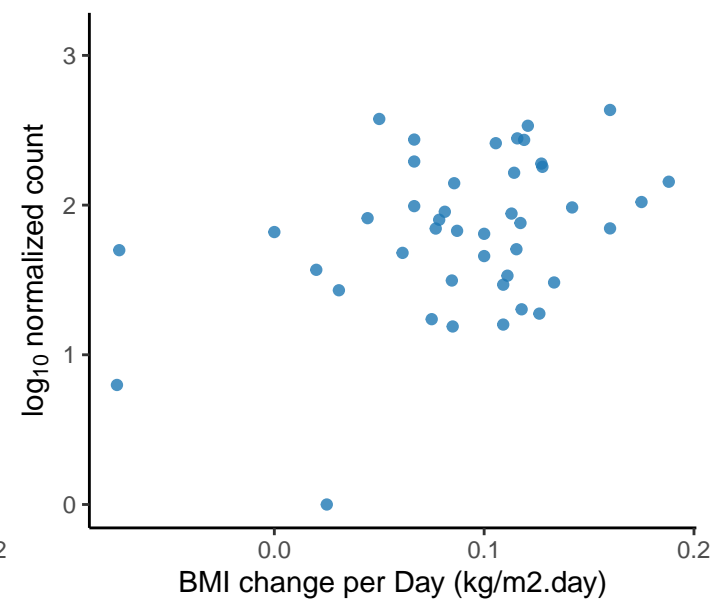
### Unclassified Xanthomonadales Order

adjusted p = 0.0509



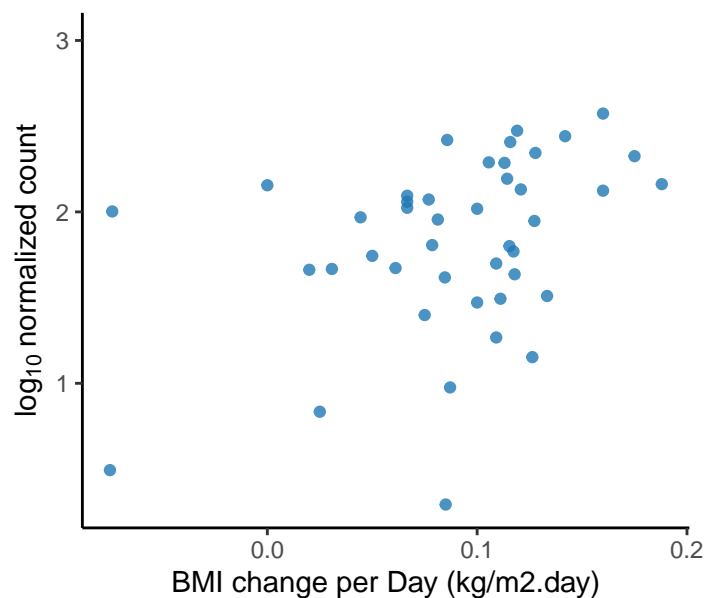
### Kytococcus

adjusted p = 0.051



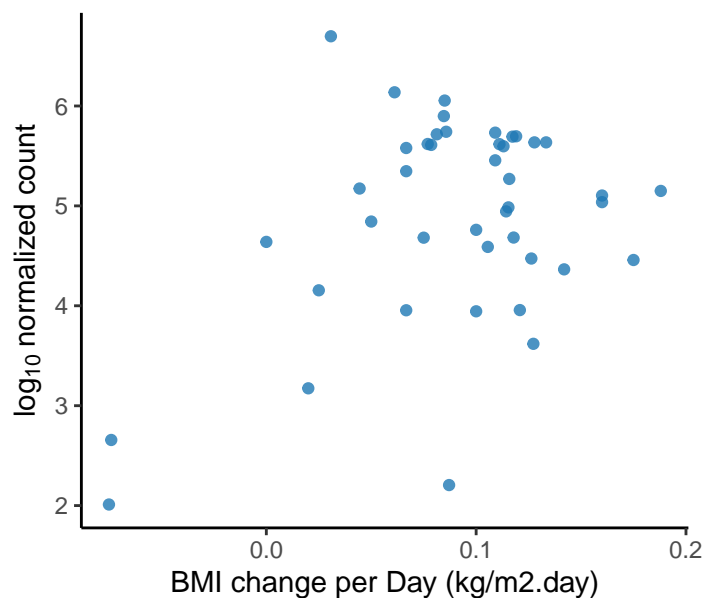
### Marmoricola

adjusted p = 0.051



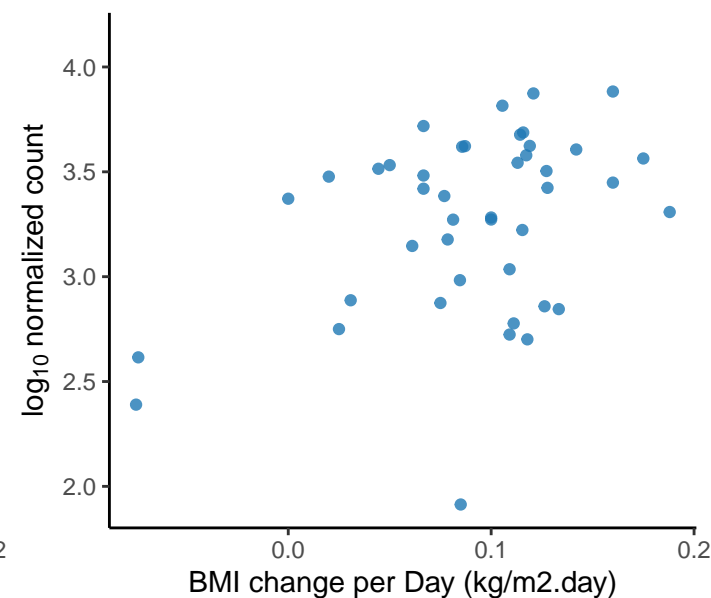
### Parabacteroides

adjusted p = 0.051



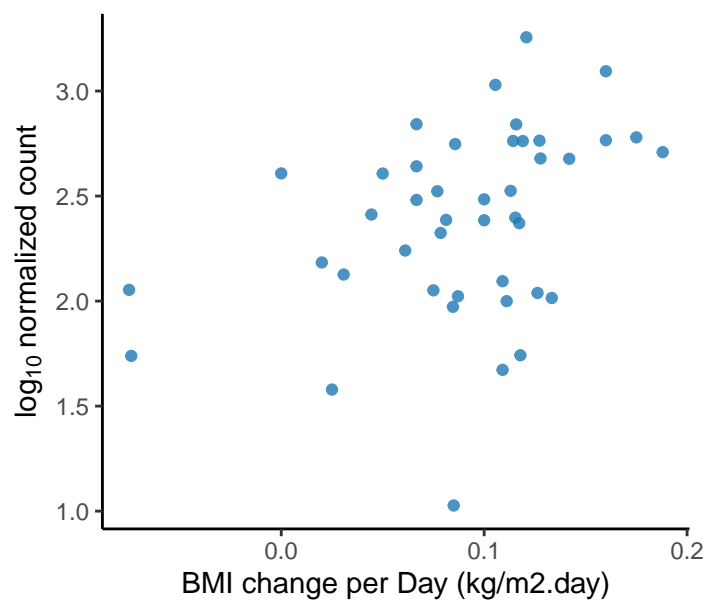
### Sphingomonas

adjusted p = 0.051



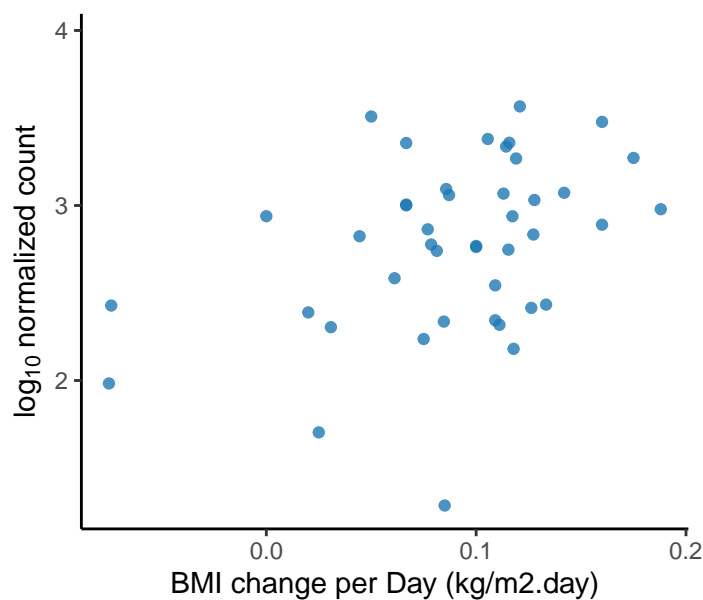
Unclassified Streptomycetaceae Family

adjusted p = 0.051



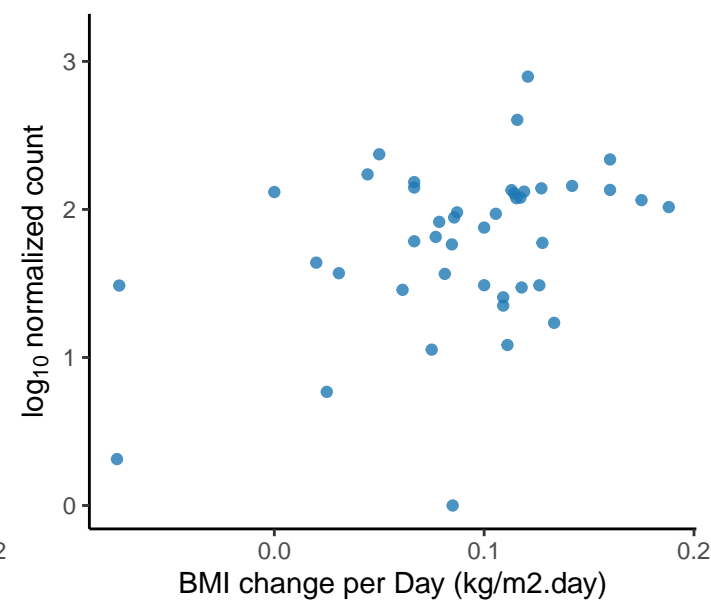
Pseudonocardia

adjusted p = 0.0514



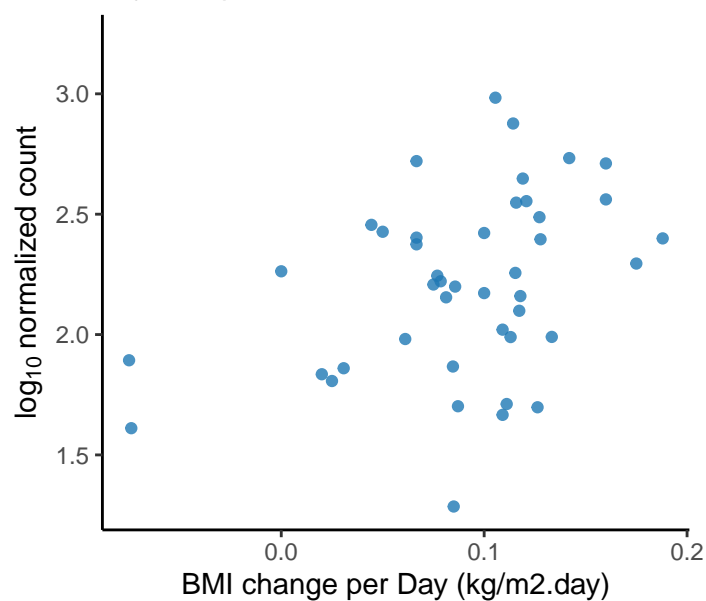
Aromatoleum

adjusted p = 0.0521



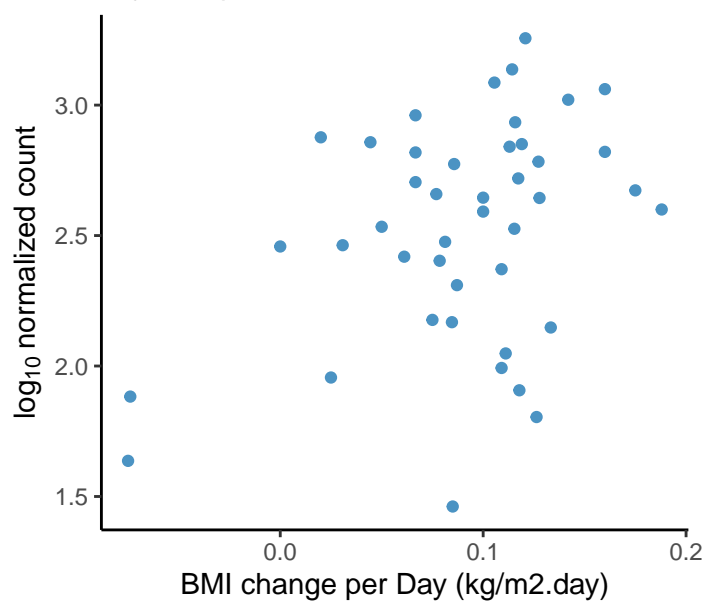
Desulfatibacillum

adjusted p = 0.0521



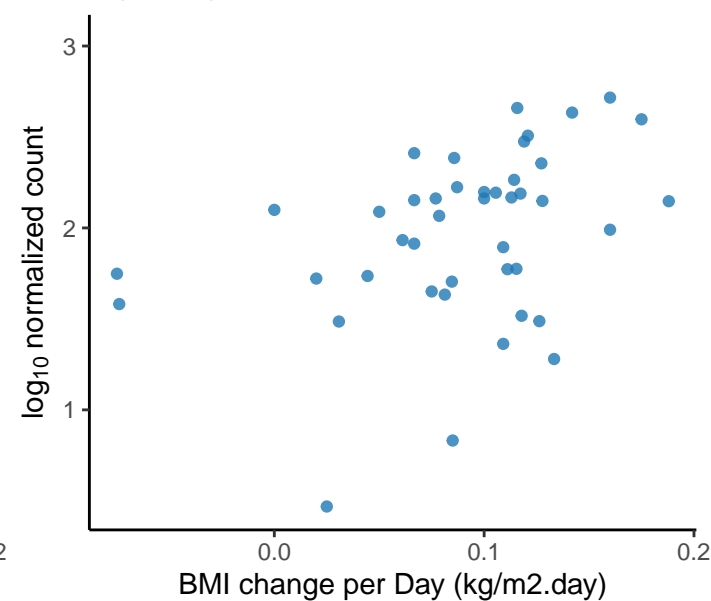
Devosia

adjusted p = 0.0521



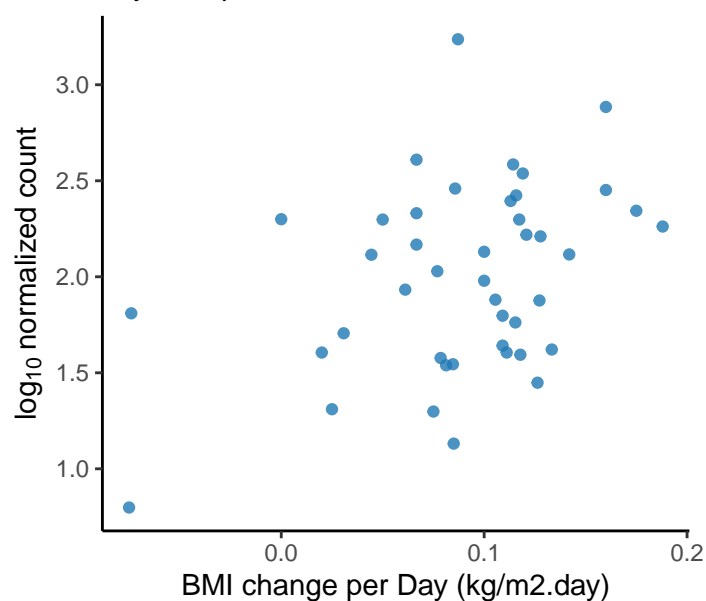
Guyparkeria

adjusted p = 0.0521



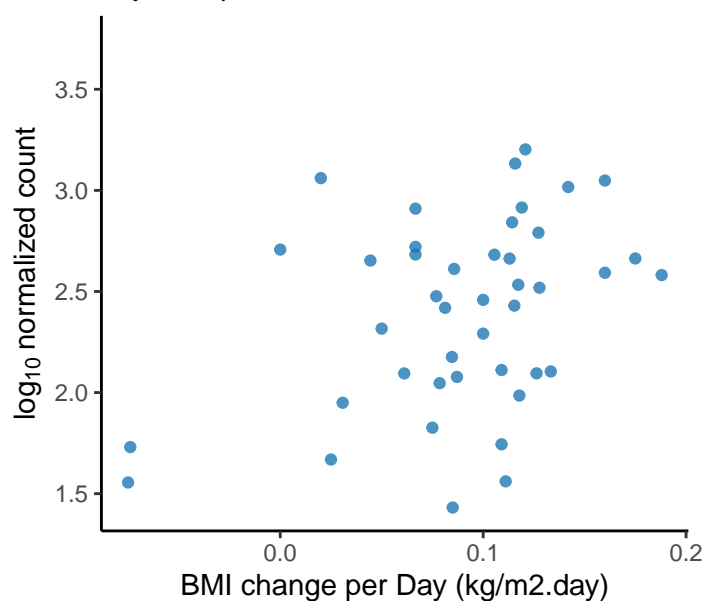
Microterricola

adjusted p = 0.0521



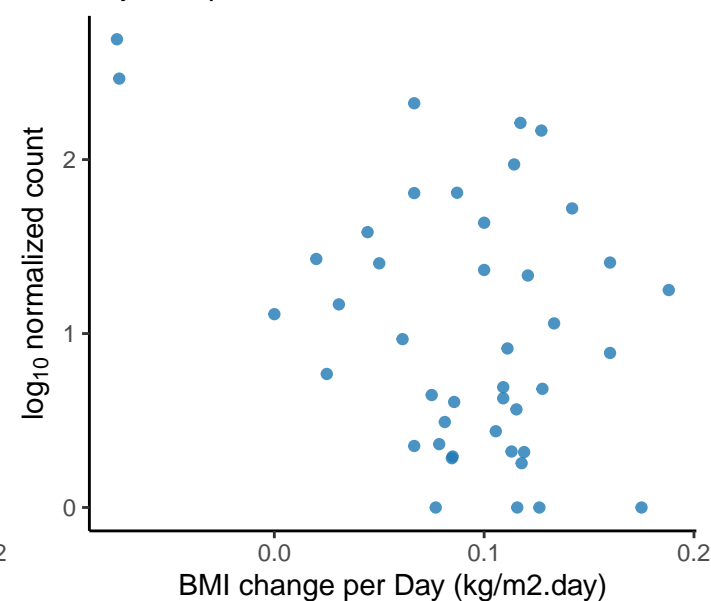
Plantactinospora

adjusted p = 0.0521



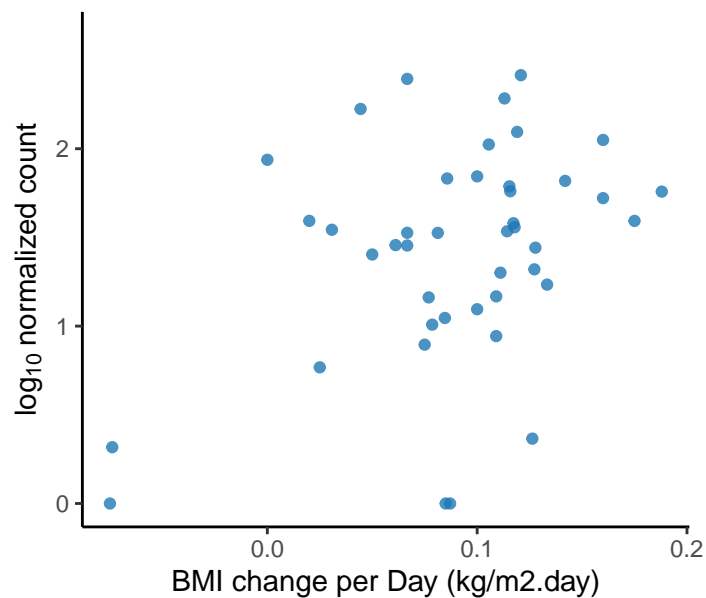
Unclassified Leuconostocaceae Family

adjusted p = 0.0521



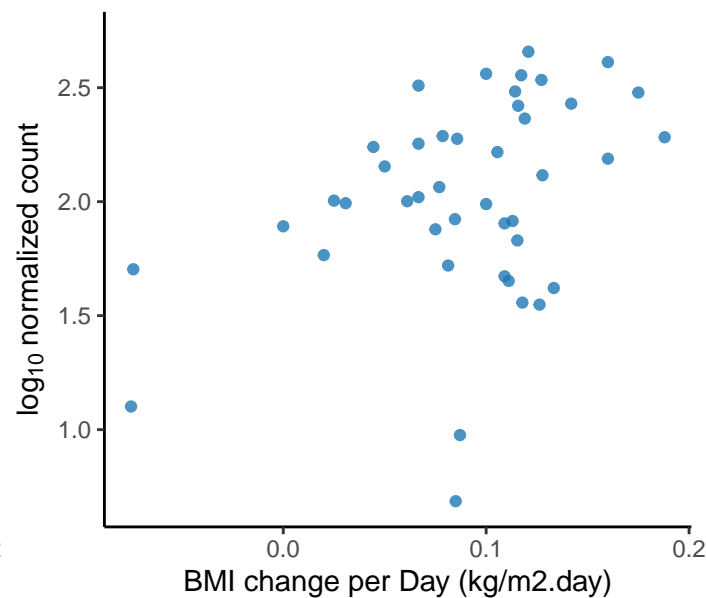
Unclassified Planctomycetia Class

adjusted p = 0.0521



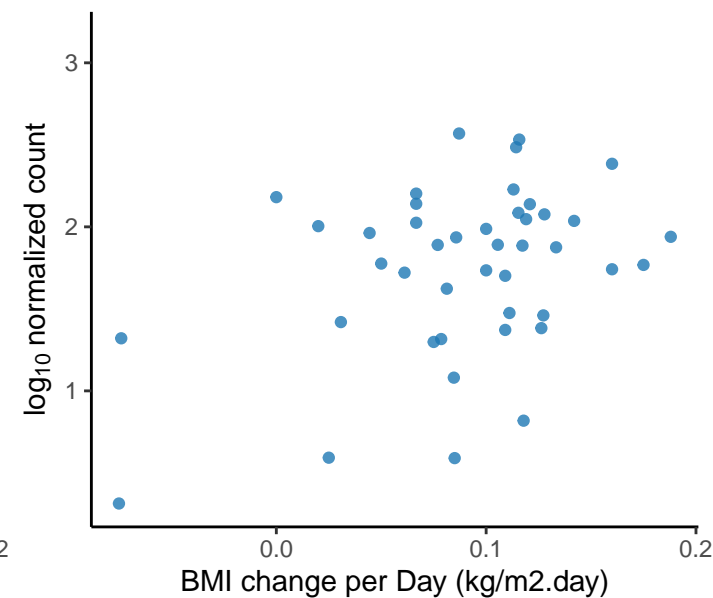
Labrys

adjusted p = 0.0523



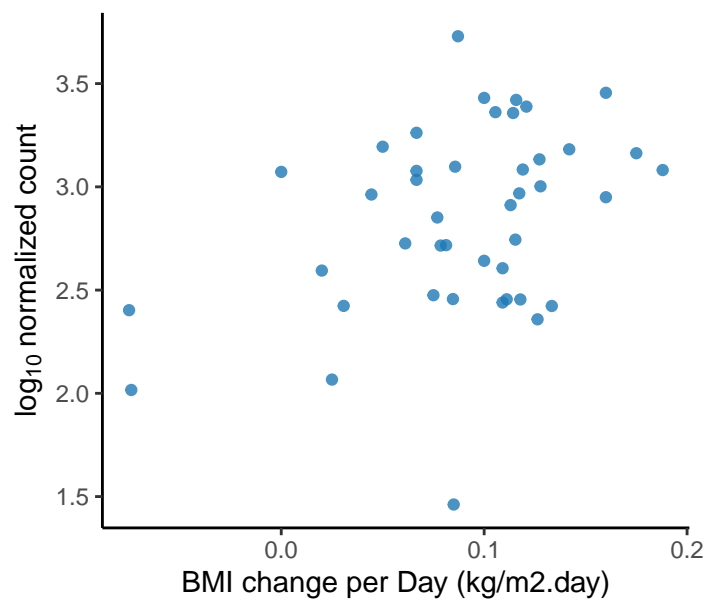
Oceanicola

adjusted p = 0.0523



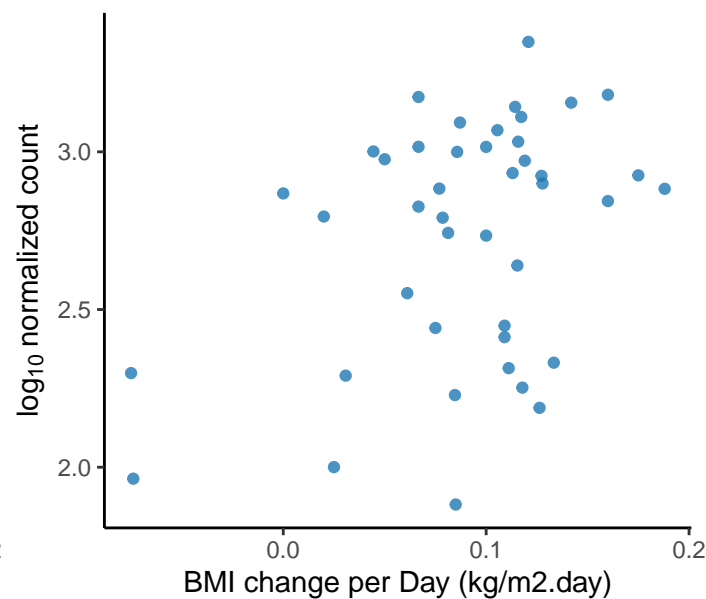
Ralstonia

adjusted p = 0.0523



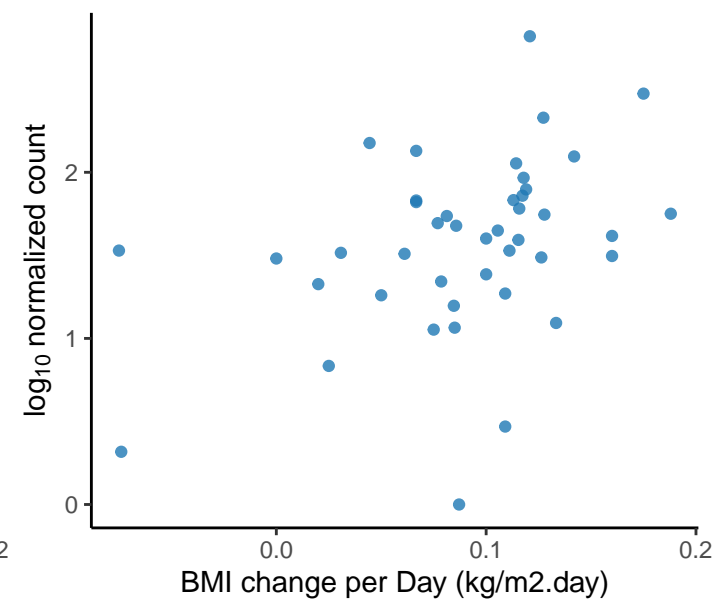
Unclassified Rhizobiaceae Family

adjusted p = 0.0523



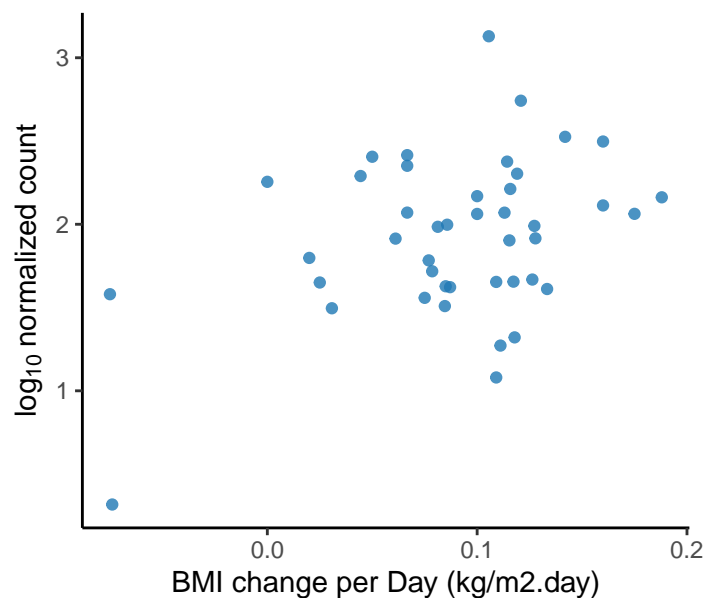
Phytobacter

adjusted p = 0.0528



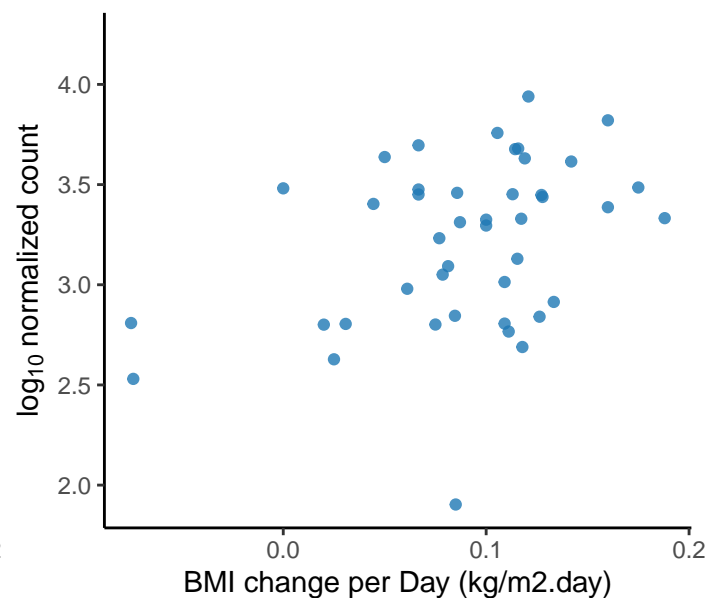
Ktedonosporobacter

adjusted p = 0.0529



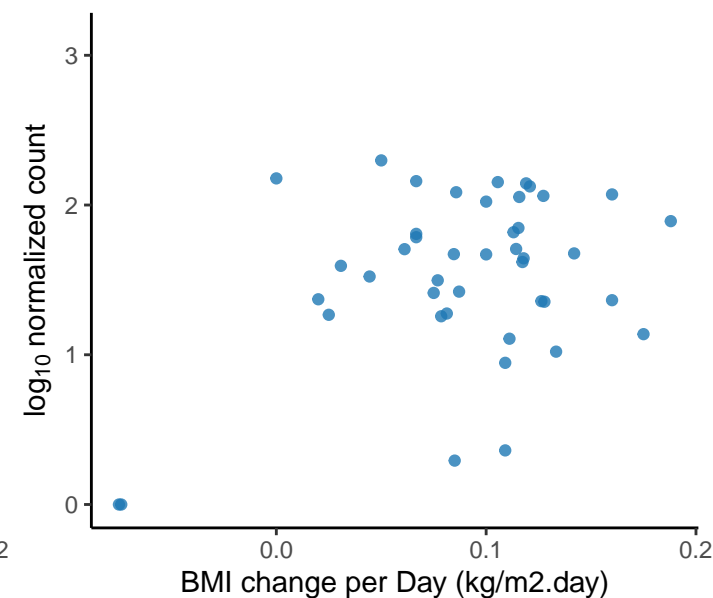
Nocardia

adjusted p = 0.0533



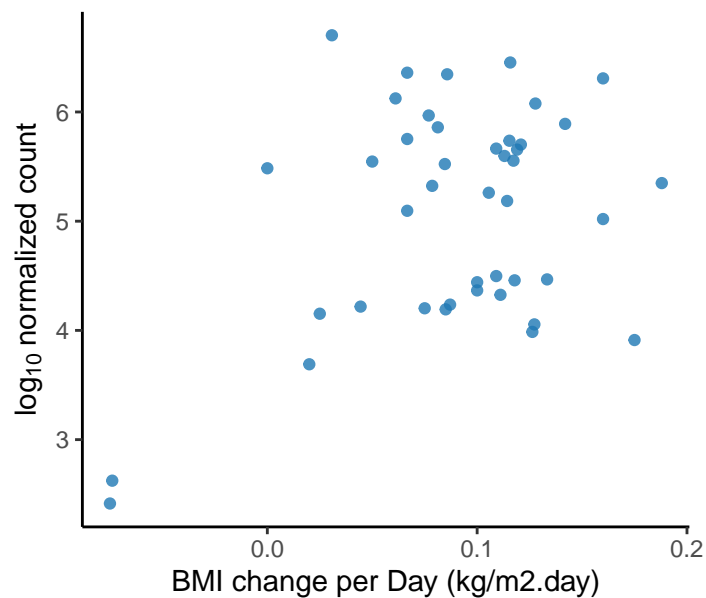
Ferriphaselus

adjusted p = 0.0533



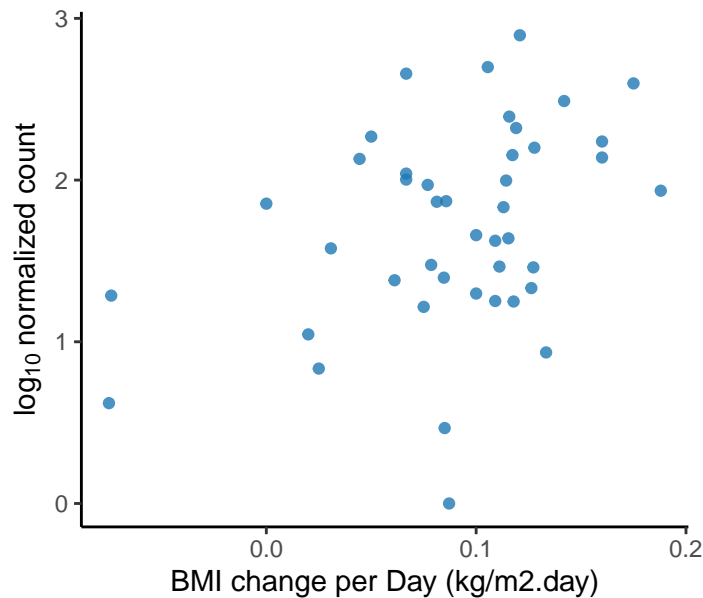
### Alistipes

adjusted p = 0.0535



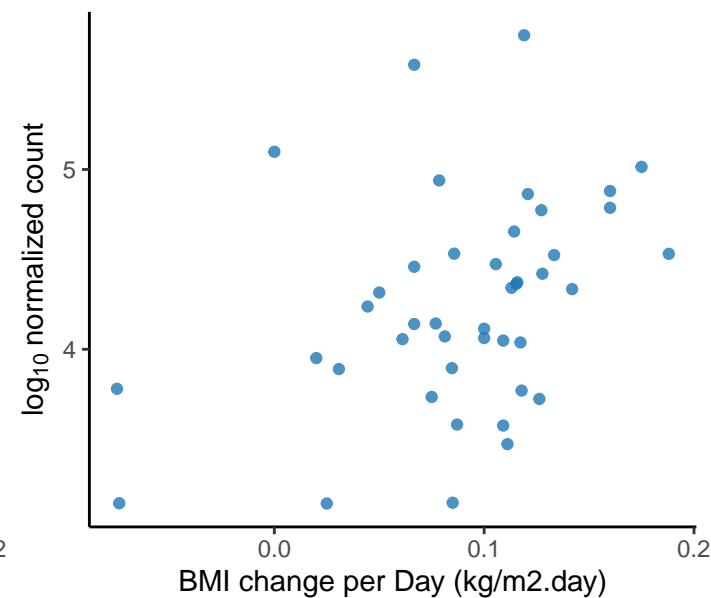
### Gryllotalpicola

adjusted p = 0.0538



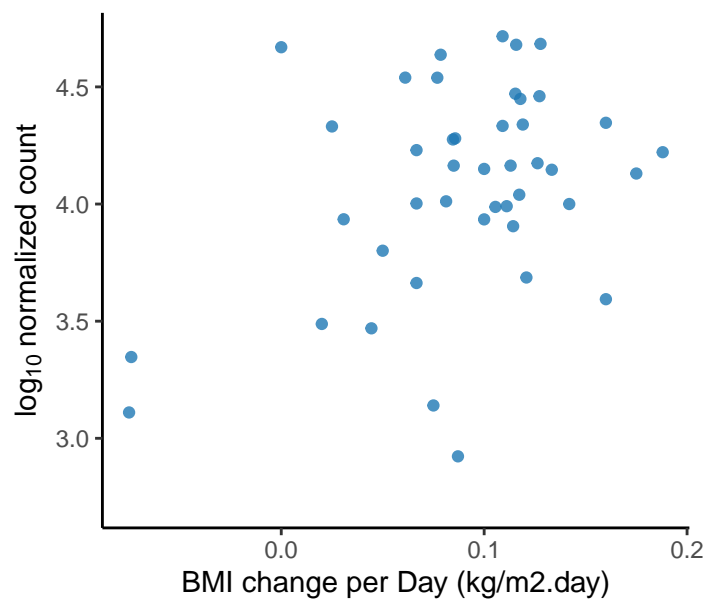
### Flintibacter

adjusted p = 0.0542



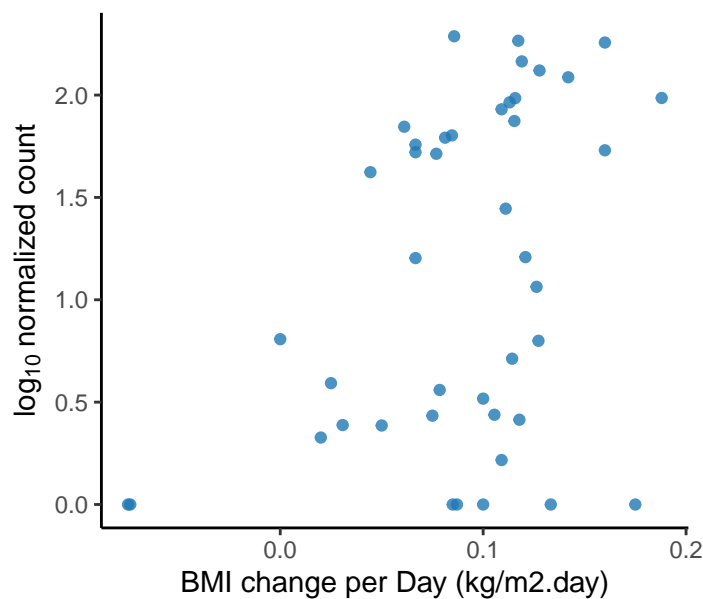
### Unclassified Bacteroidetes Phylum

adjusted p = 0.0542



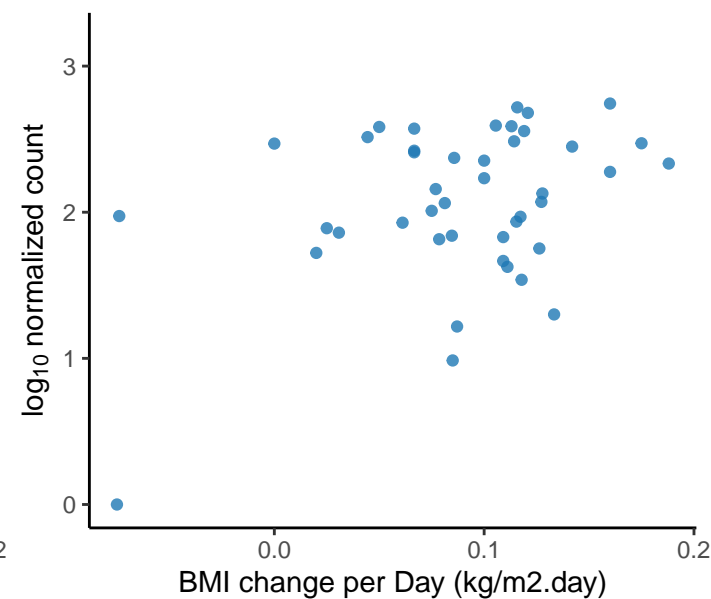
### Unclassified Acidaminococcaceae Fam

adjusted p = 0.0543



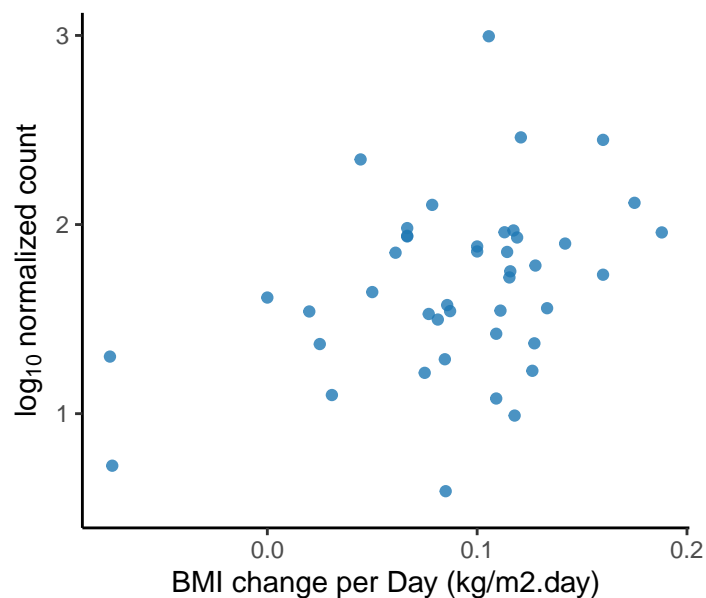
### Plantibacter

adjusted p = 0.0546



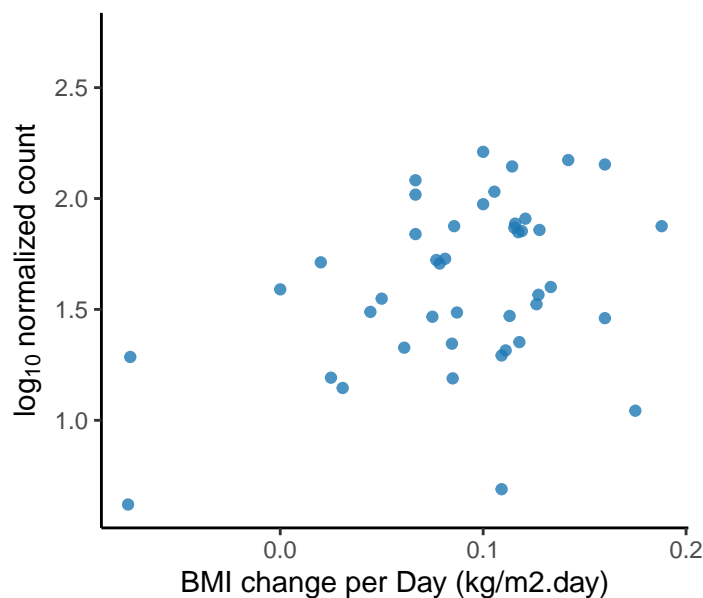
### Salaquimonas

adjusted p = 0.0551



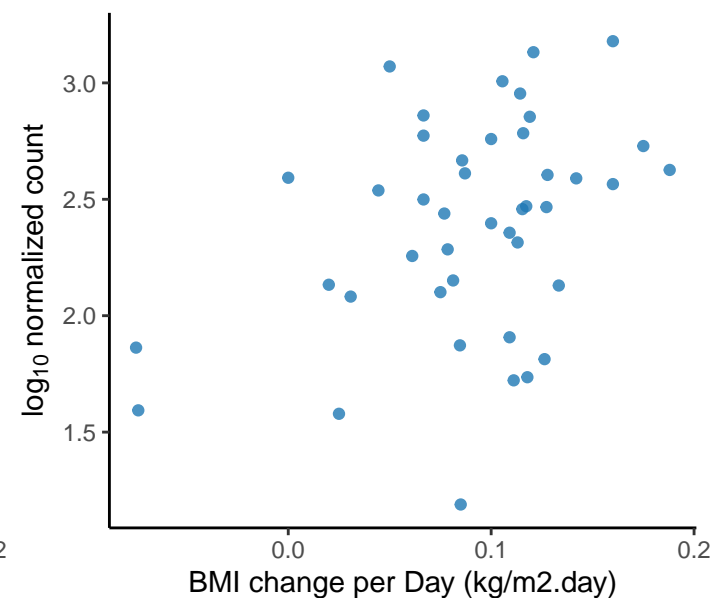
### Oxynema

adjusted p = 0.0551



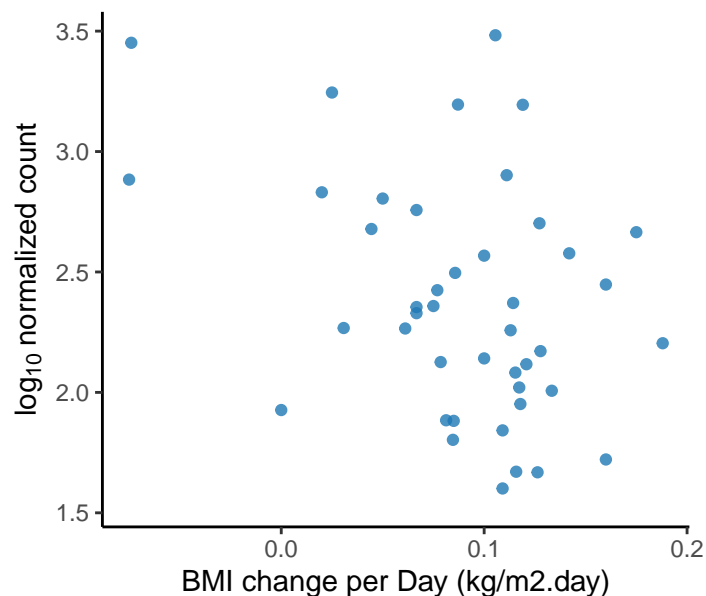
### Limnochorda

adjusted p = 0.0558



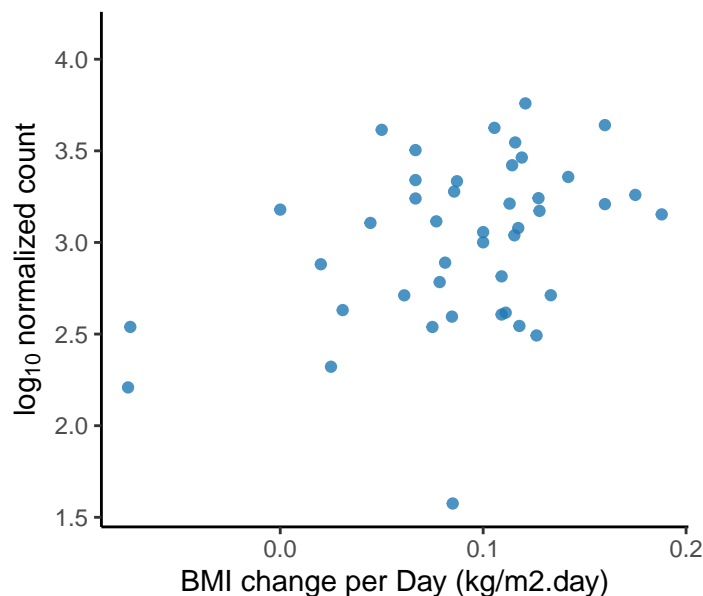
**Saccharomyces**

adjusted p = 0.0558



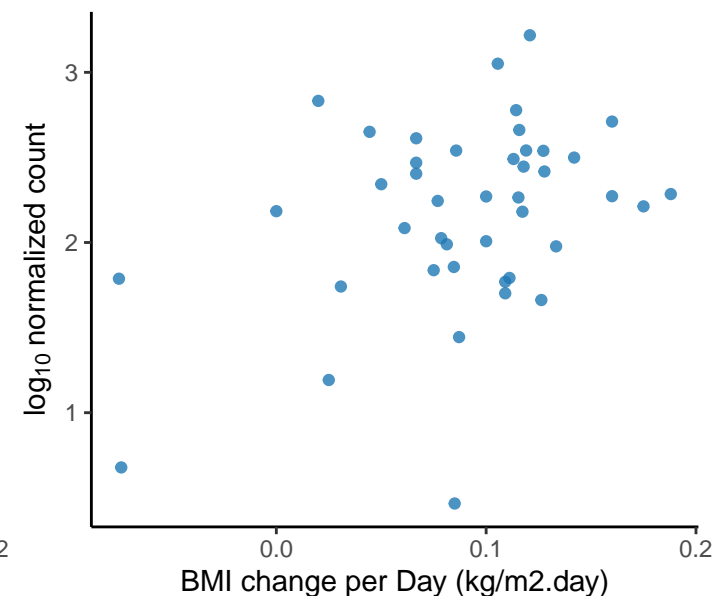
**Actinoplanes**

adjusted p = 0.056



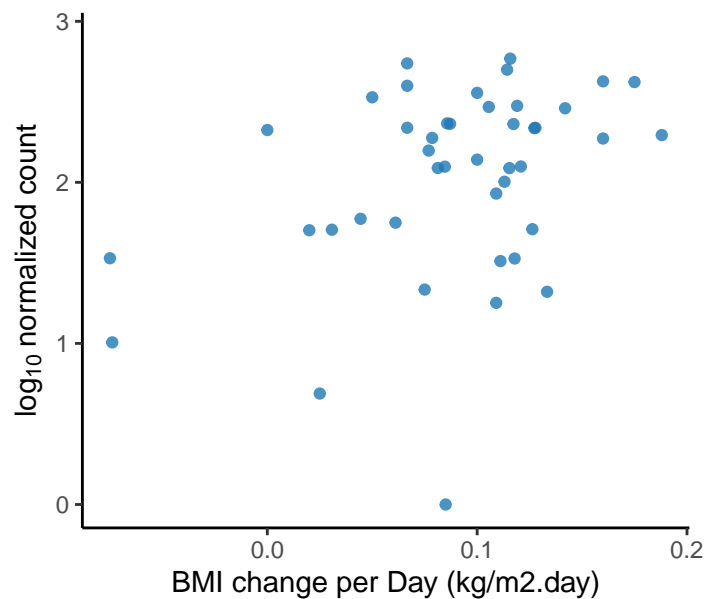
**Dehalogenimonas**

adjusted p = 0.0565



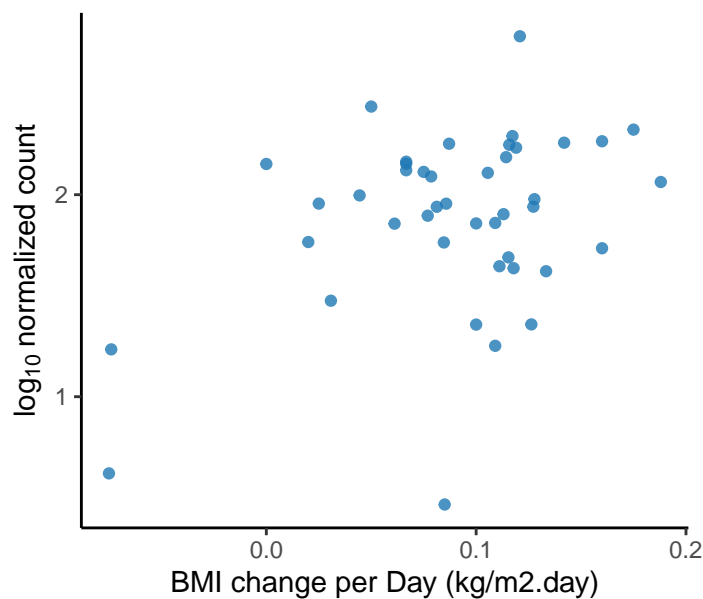
**Methylosinus**

adjusted p = 0.0565



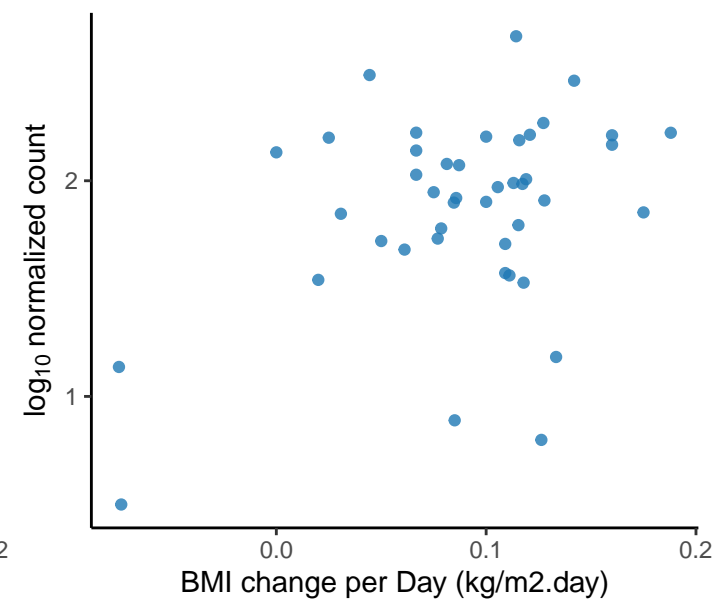
**Candidatus Accumulibacter**

adjusted p = 0.0575



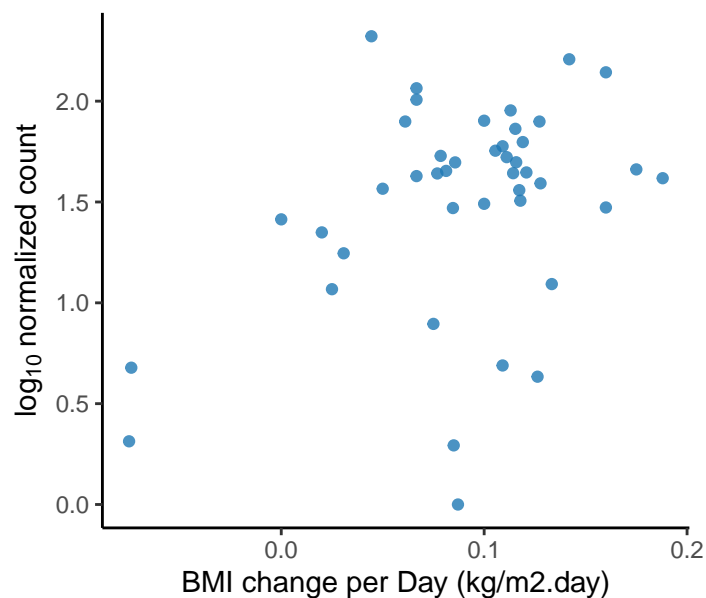
**Planctopirus**

adjusted p = 0.0575



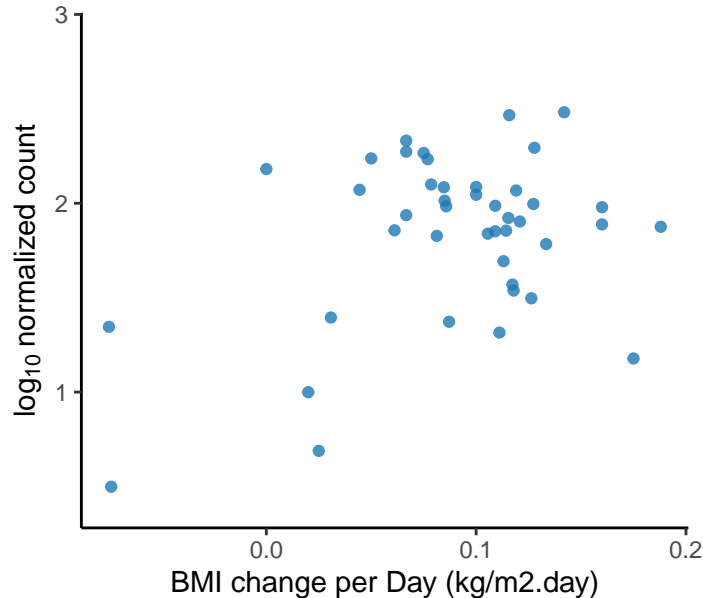
**Wolinella**

adjusted p = 0.0575



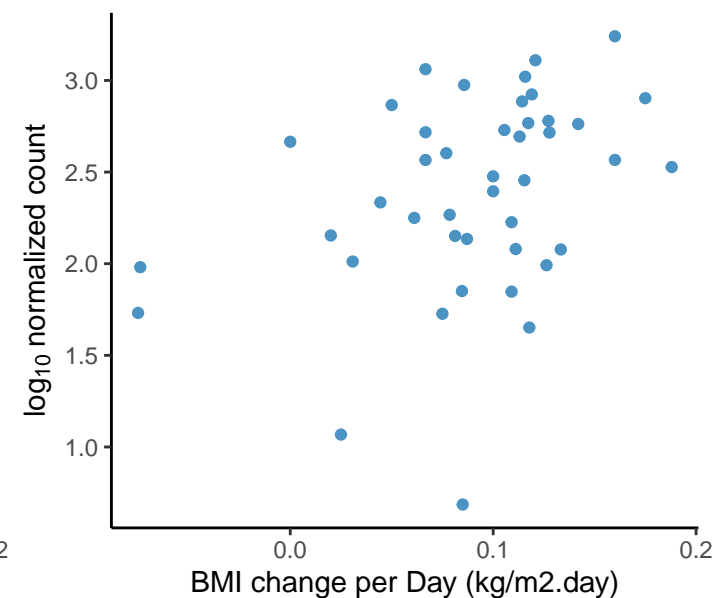
**Reinekea**

adjusted p = 0.0581



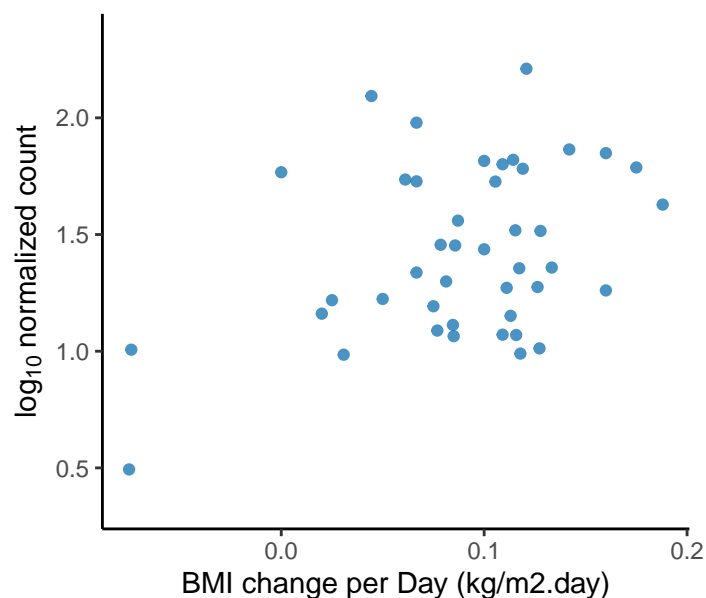
**Serinicoccus**

adjusted p = 0.0581



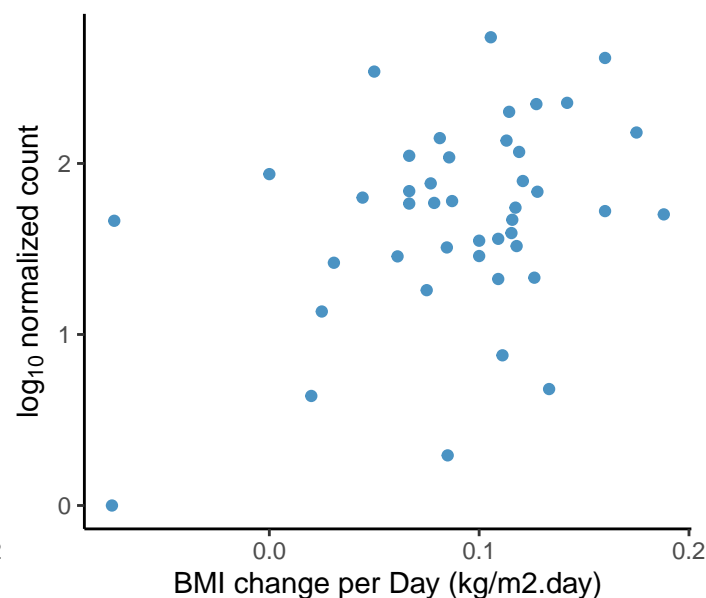
**Thermosulfidibacter**

adjusted p = 0.0581



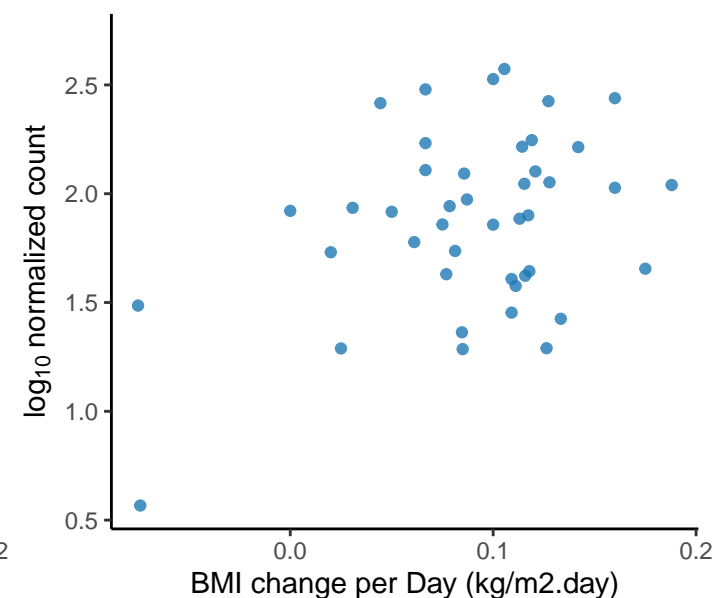
**Thiobacillus**

adjusted p = 0.0581



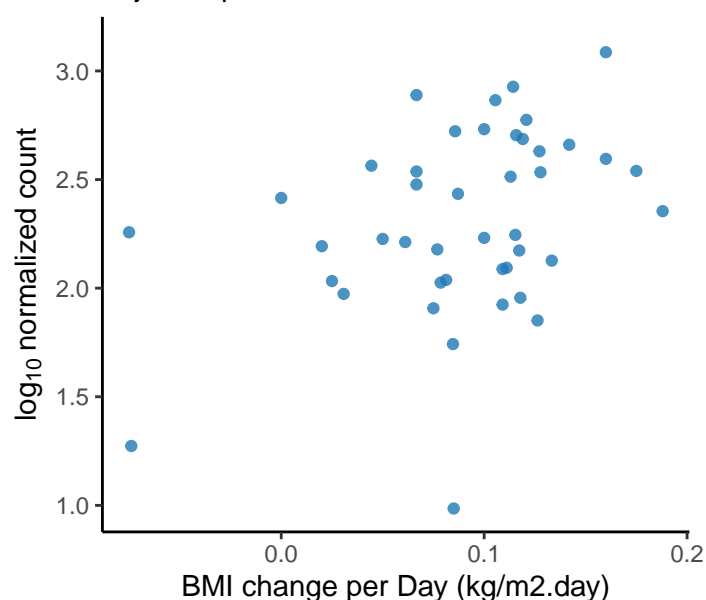
**Synechocystis**

adjusted p = 0.0583



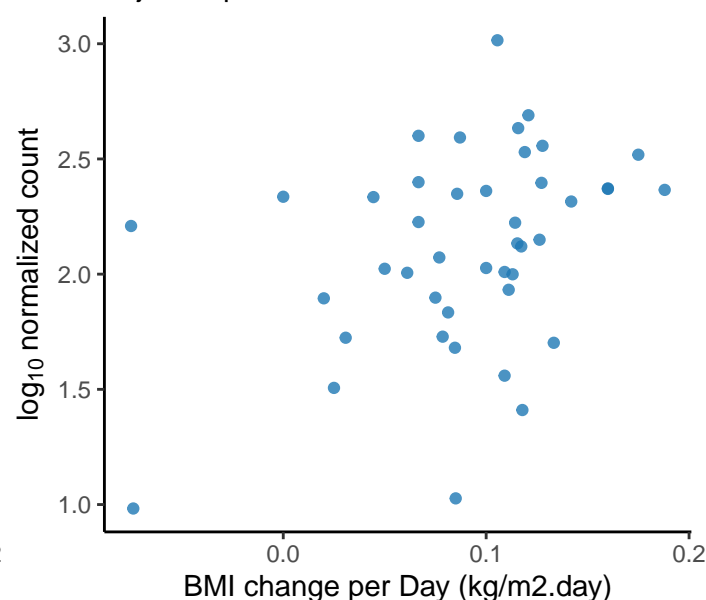
**Azotobacter**

adjusted p = 0.0585



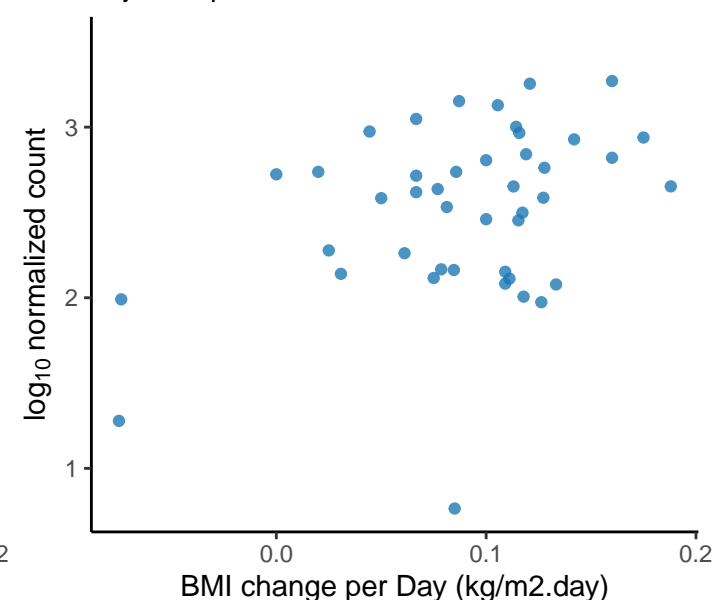
**Natrinema**

adjusted p = 0.0586



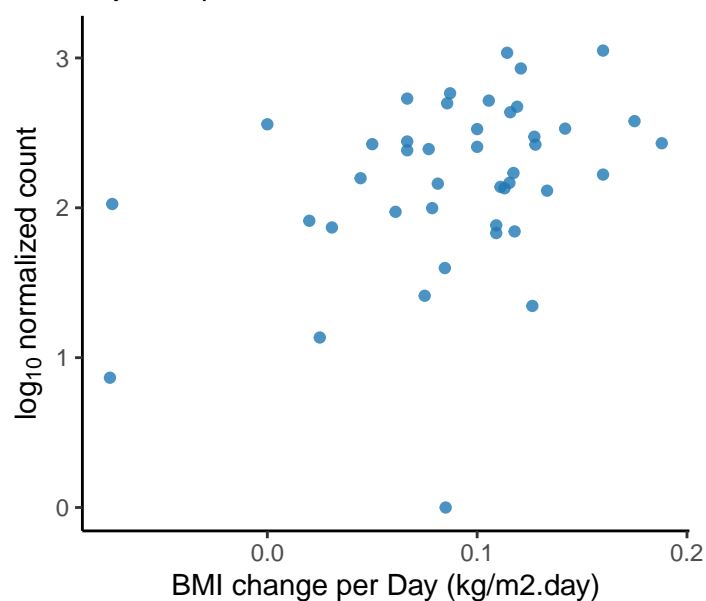
**Leifsonia**

adjusted p = 0.0587



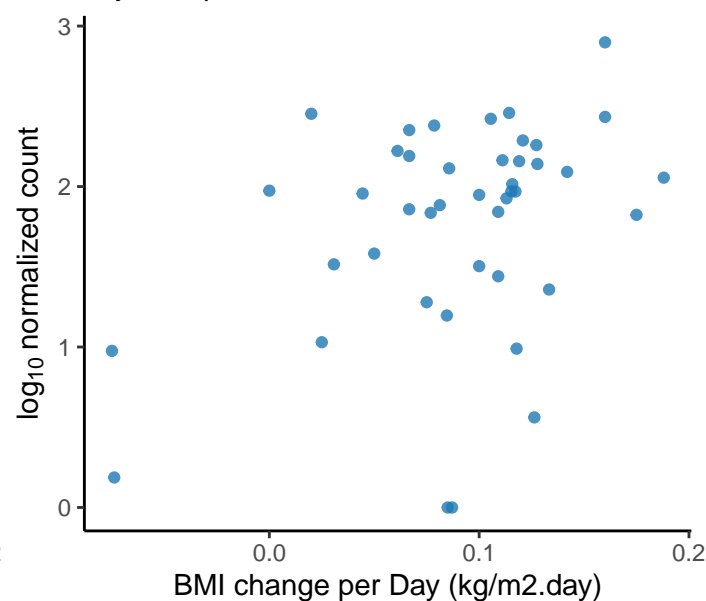
**Micrococcus**

adjusted p = 0.0596



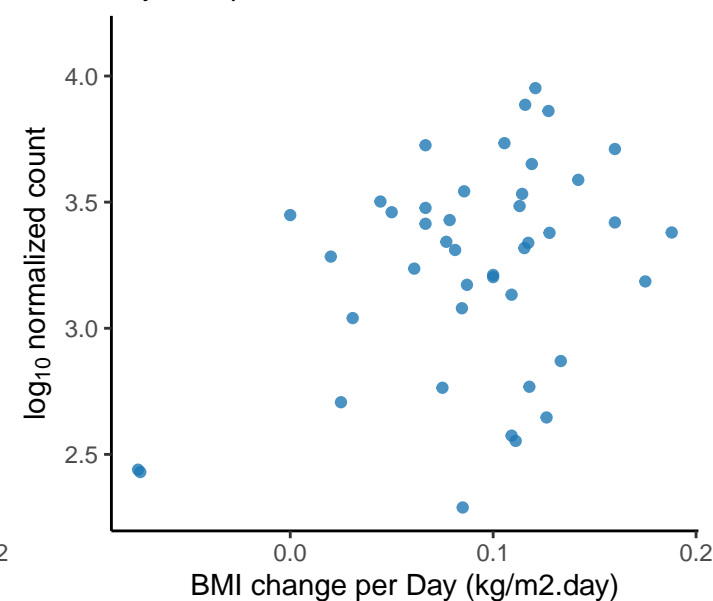
**Unclassified Desulfovibrionales Order**

adjusted p = 0.0597



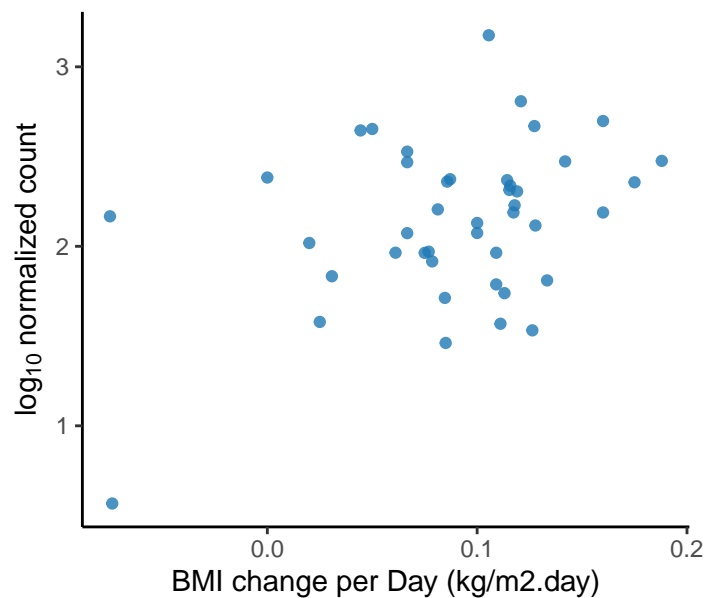
**Hymenobacter**

adjusted p = 0.0598



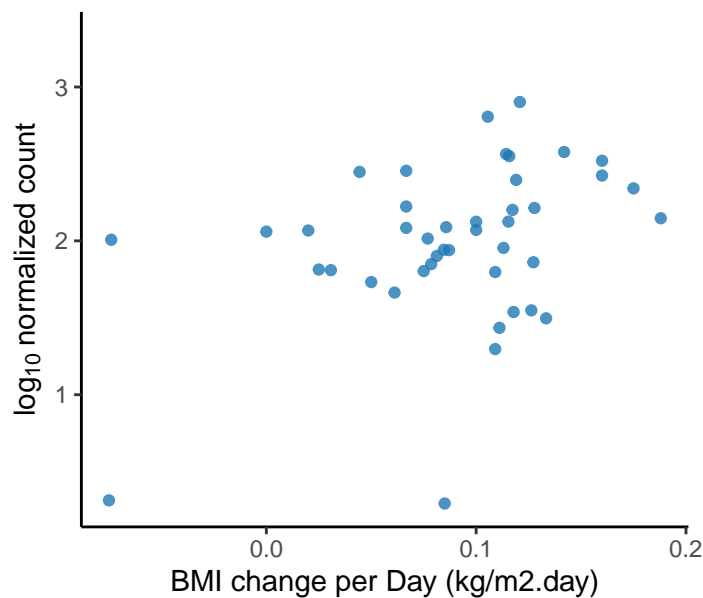
### Pelolinea

adjusted p = 0.0598



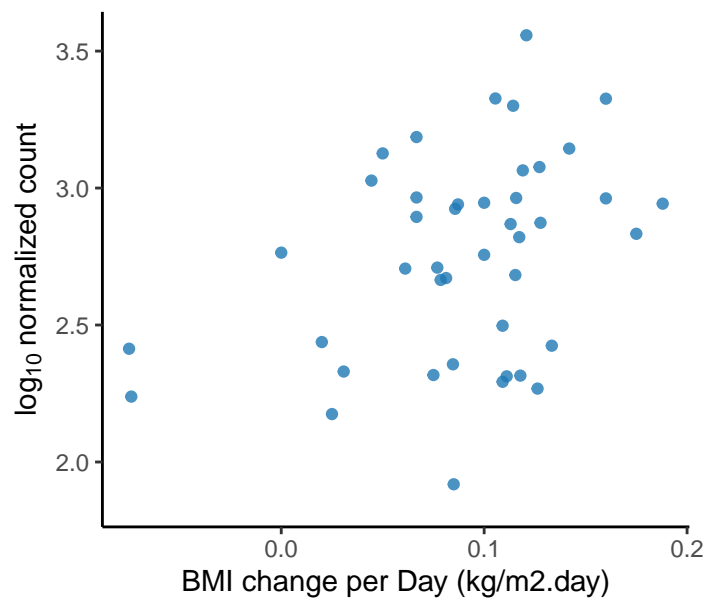
### Thiocystis

adjusted p = 0.0599



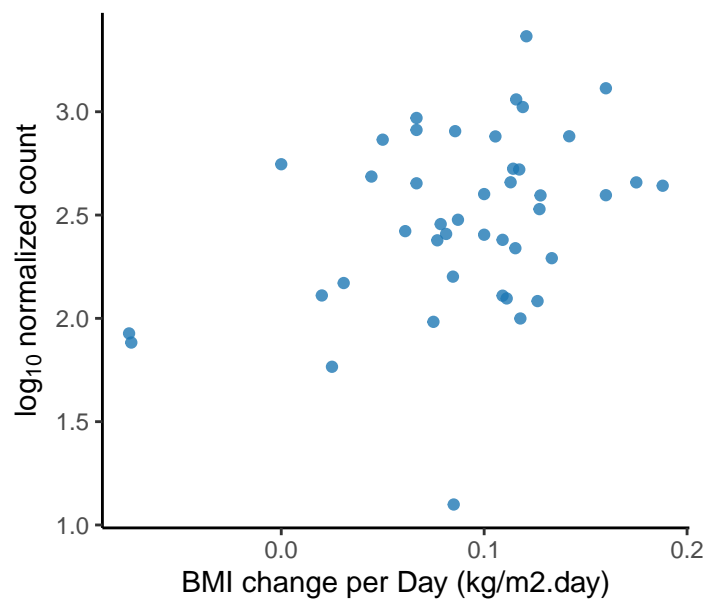
### Herbaspirillum

adjusted p = 0.0606



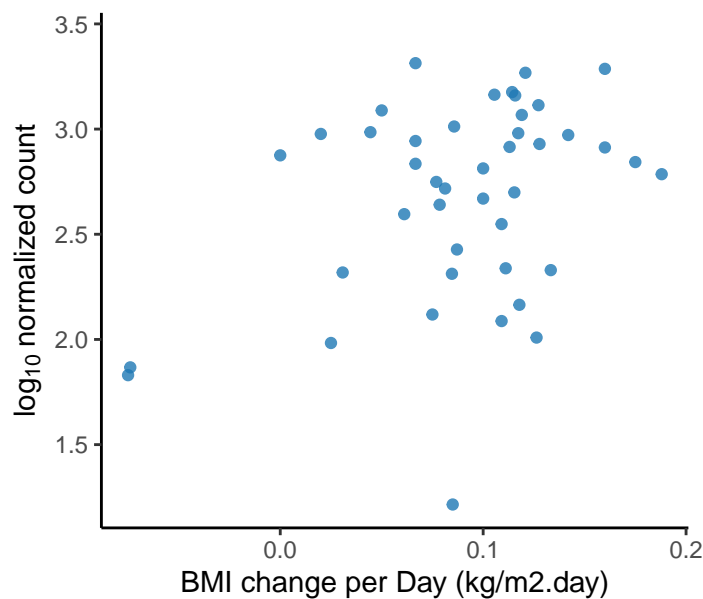
### Luteimonas

adjusted p = 0.0606



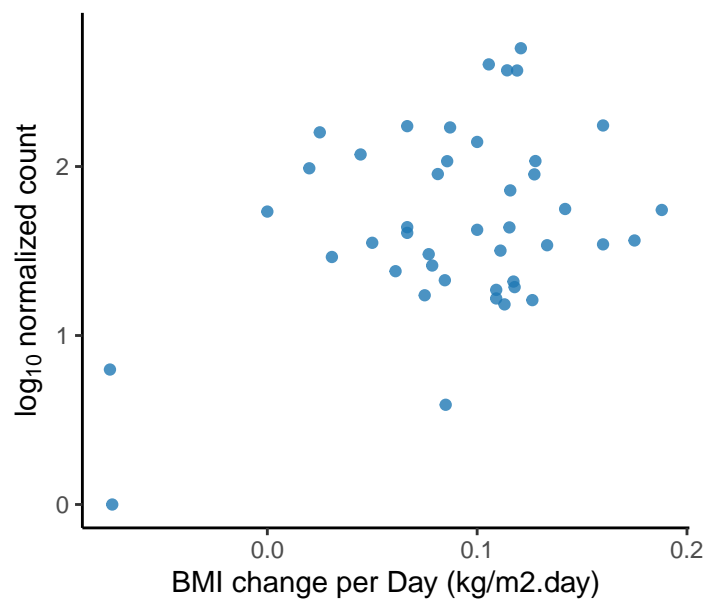
### Novosphingobium

adjusted p = 0.0606



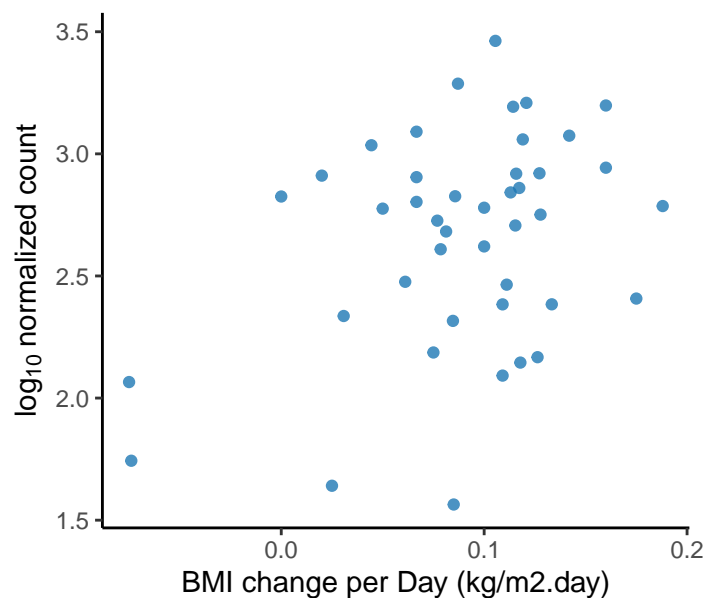
### Pyrobaculum

adjusted p = 0.0606



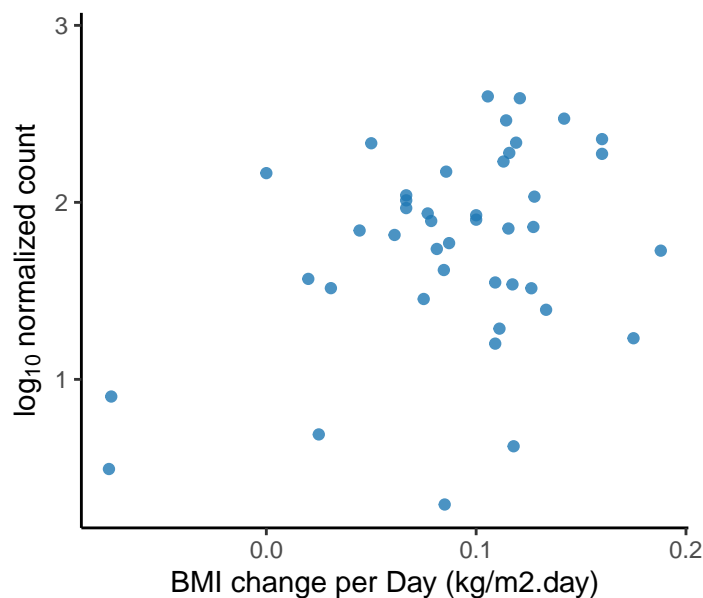
### Rhodoferax

adjusted p = 0.0606



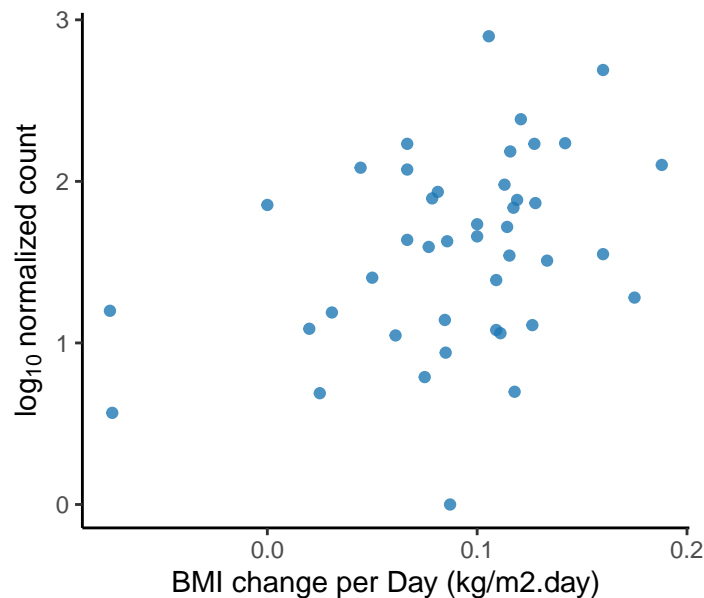
### Thioclava

adjusted p = 0.0606



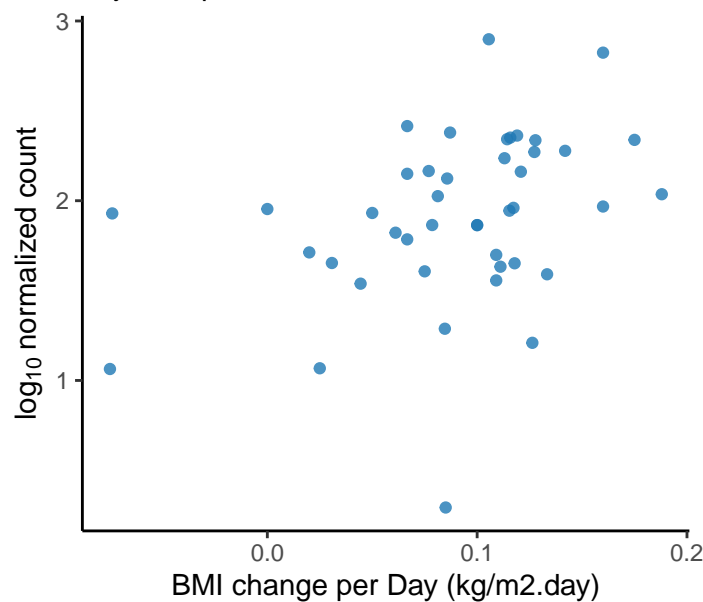
### Unclassified Chromobacteriaceae Family

adjusted p = 0.0606

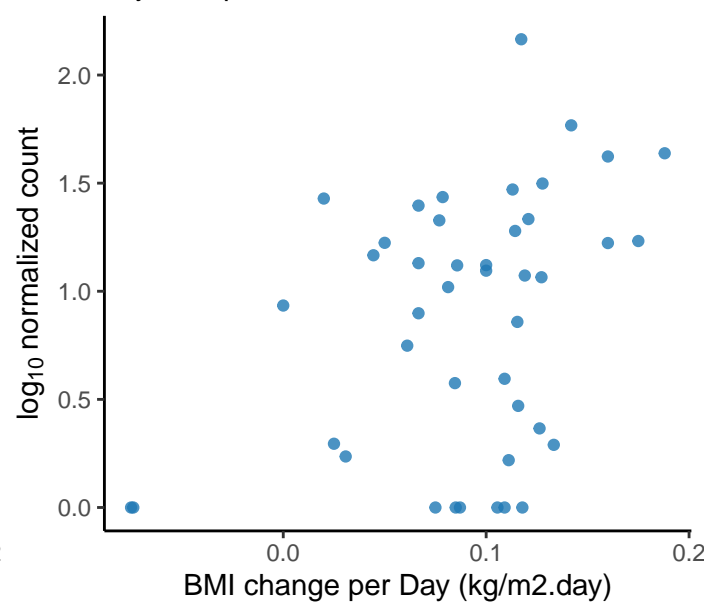




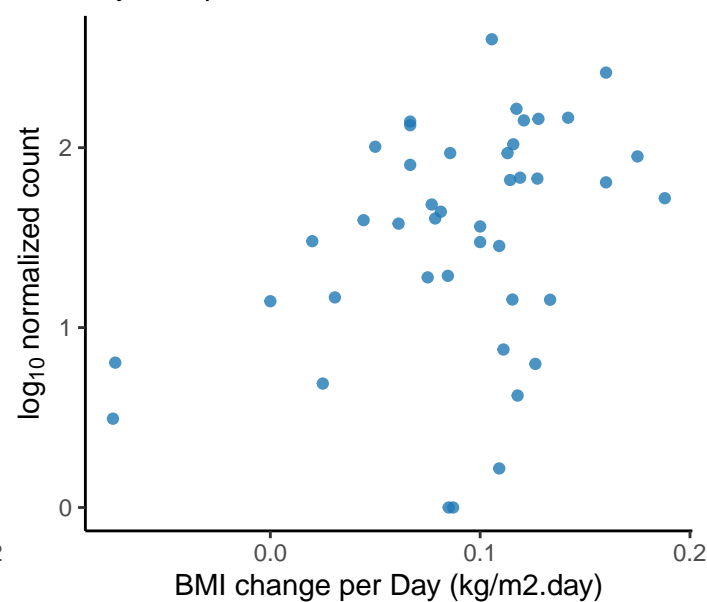
Unclassified Pseudonocardiaceae Family  
adjusted p = 0.0606



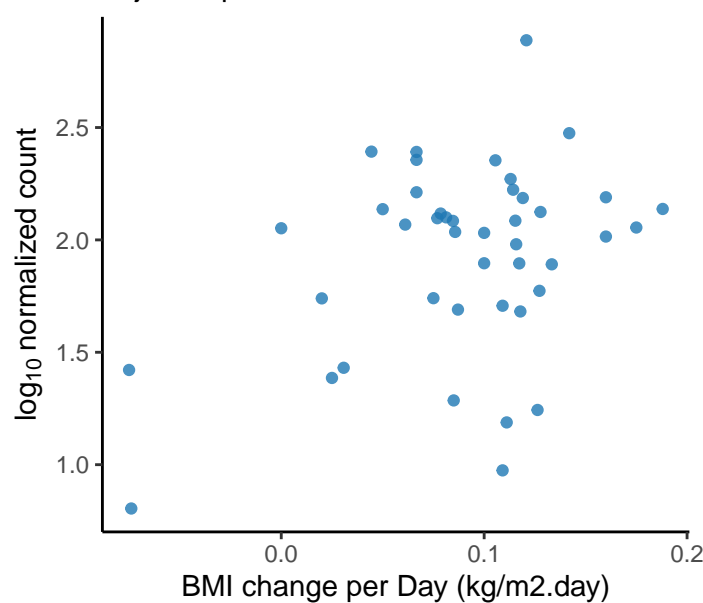
Unclassified Rhodobacterales Order  
adjusted p = 0.0606



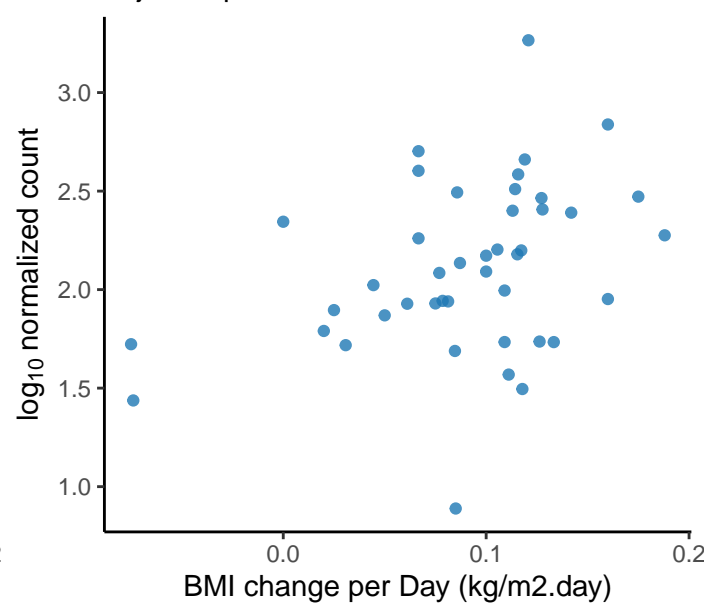
Unclassified Rhodospirillales Order  
adjusted p = 0.0606



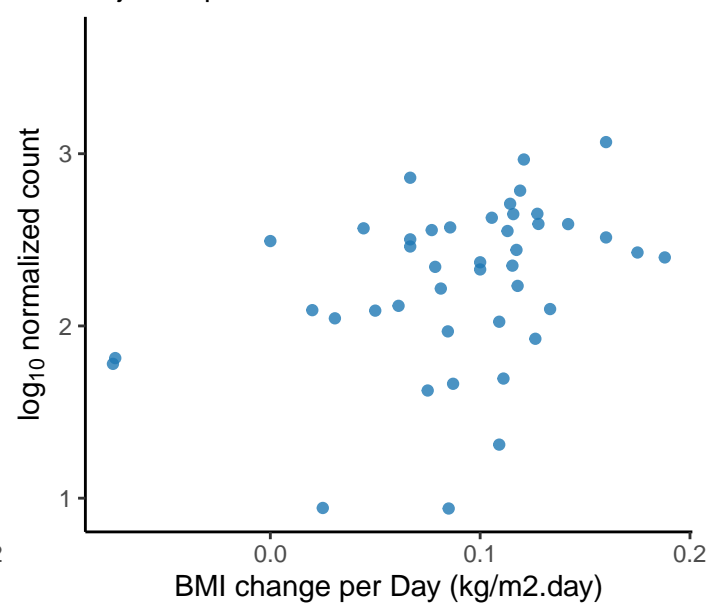
Vitreoscilla  
adjusted p = 0.0613



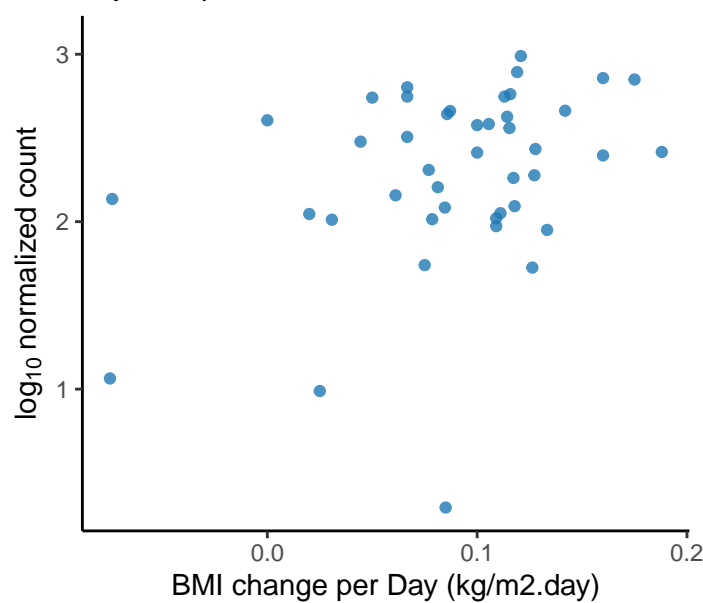
Yangia  
adjusted p = 0.0613



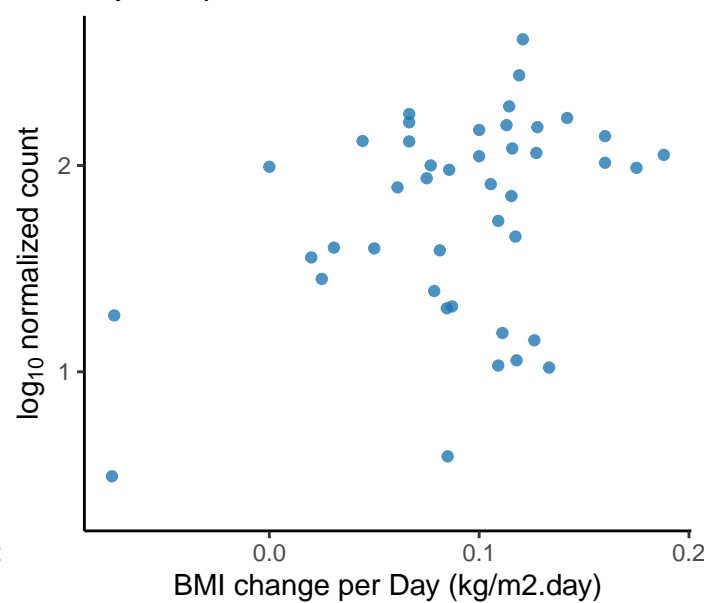
Rhodovulum  
adjusted p = 0.0616



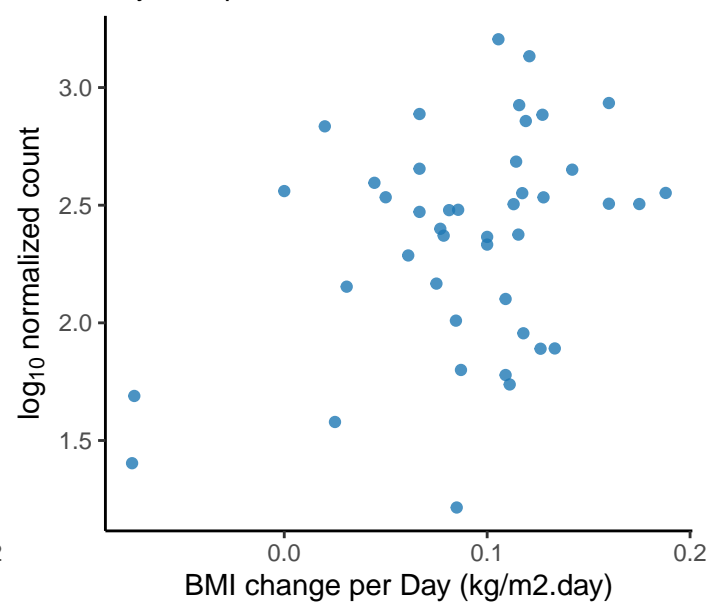
Tsukamurella  
adjusted p = 0.0621



Desulfobacca  
adjusted p = 0.0626

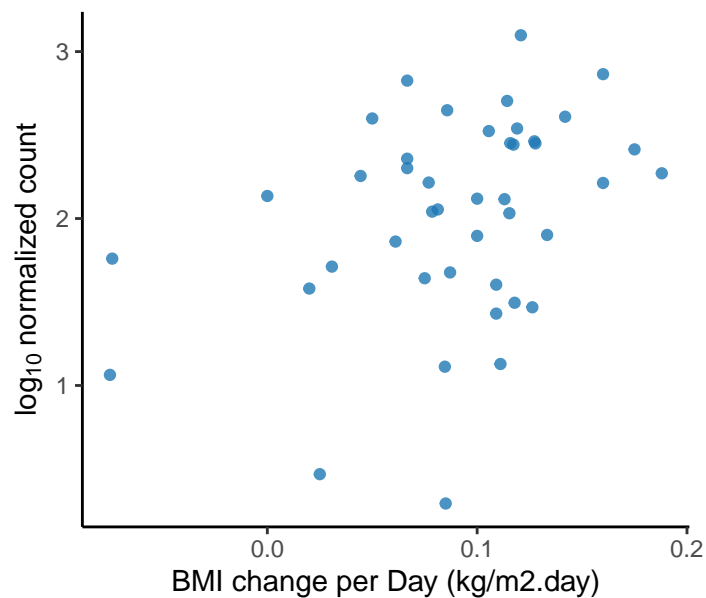


Gloeobacter  
adjusted p = 0.0629



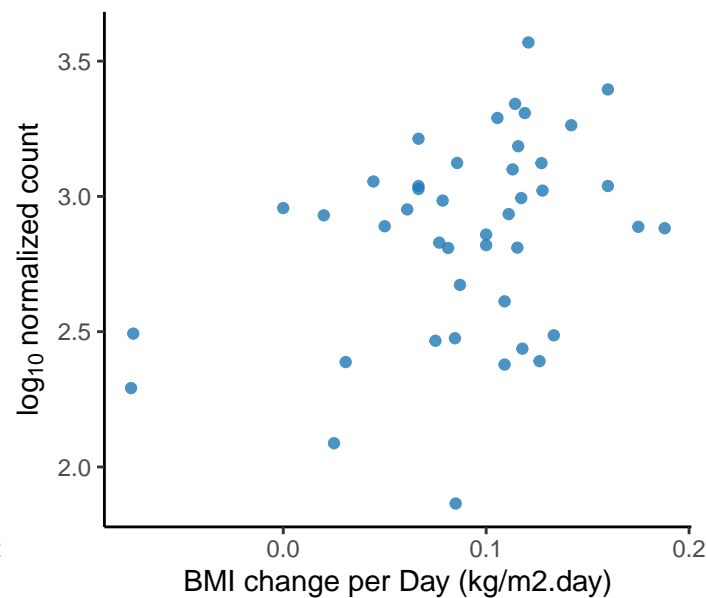
### Phycisphaera

adjusted p = 0.0629



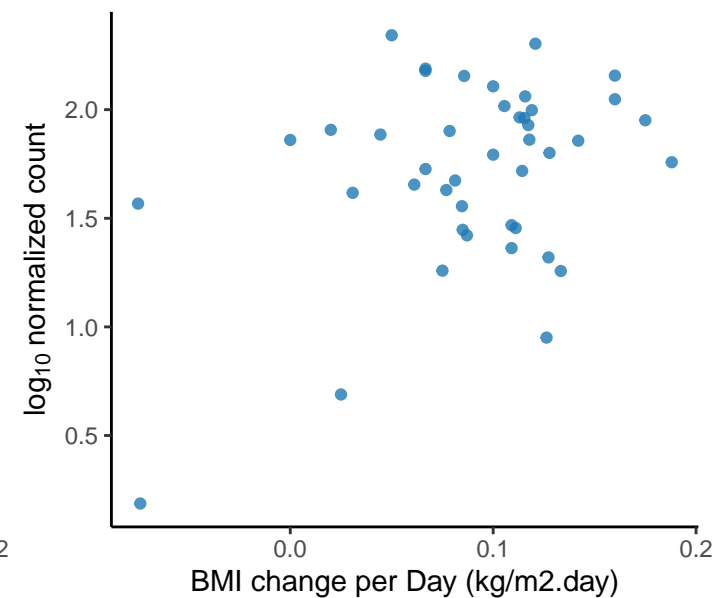
### Pseudodesulfovibrio

adjusted p = 0.0629



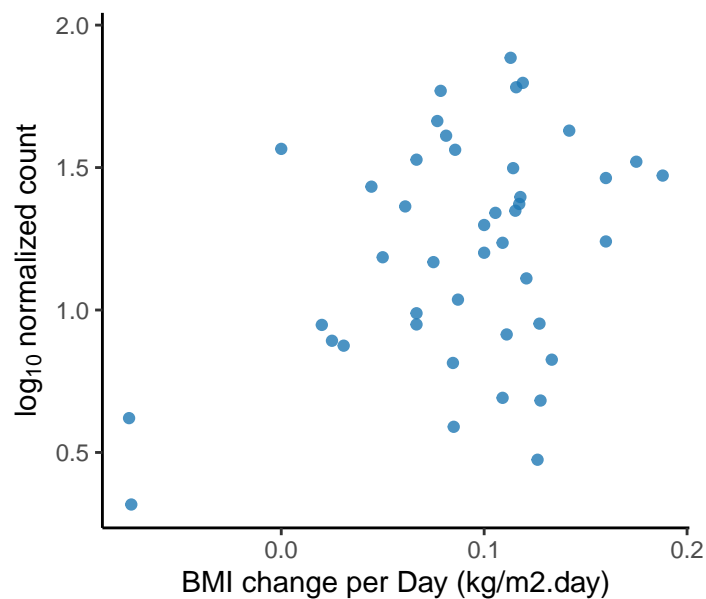
### Sulfuricella

adjusted p = 0.0629



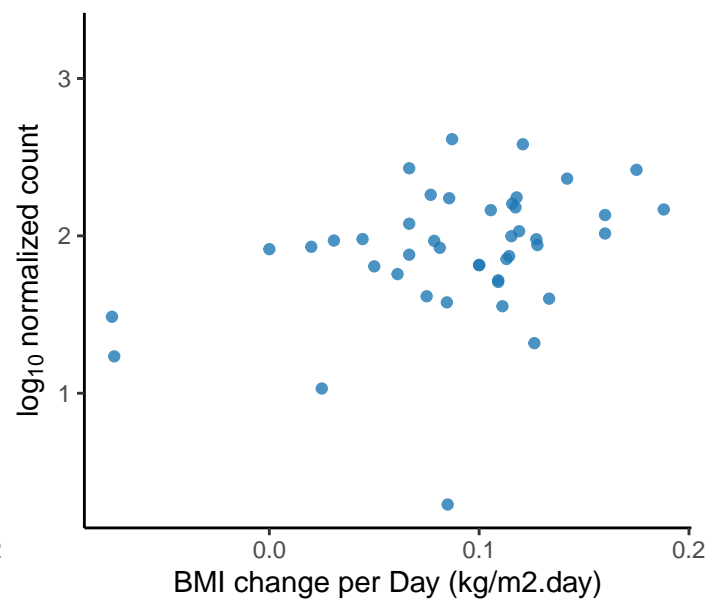
### Unclassified Pseudomonadales Order

adjusted p = 0.0629



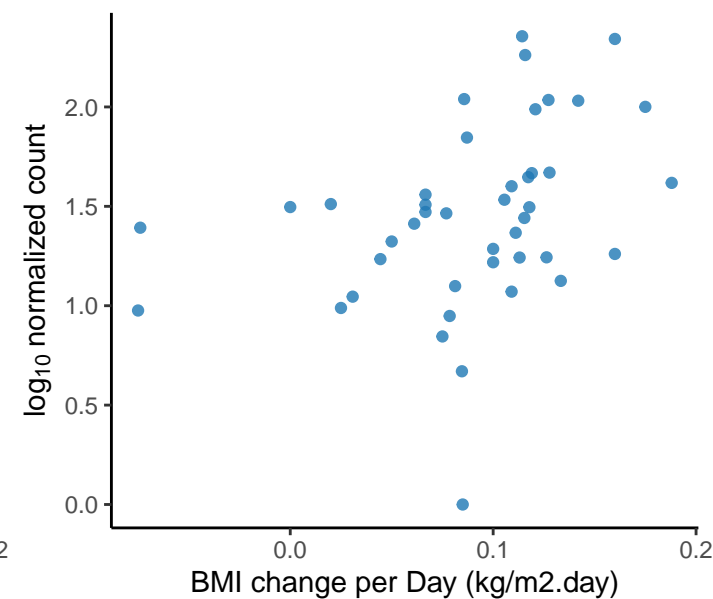
### Steroidobacter

adjusted p = 0.063



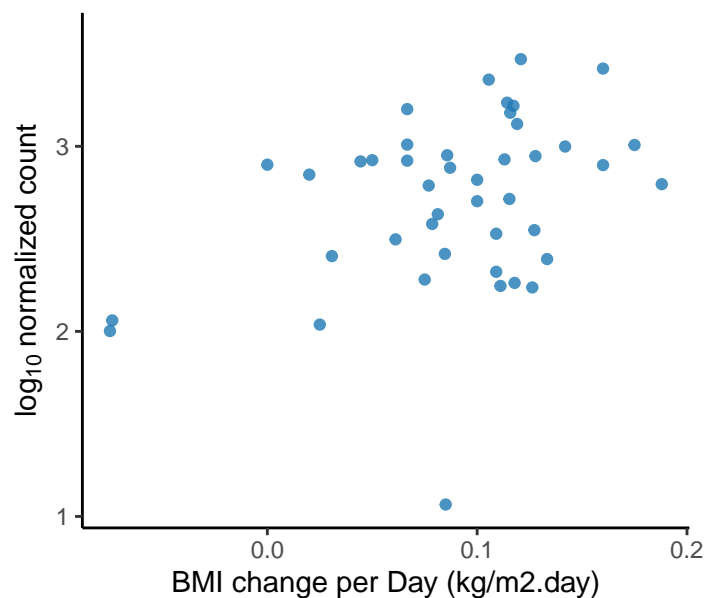
### Mycetocola

adjusted p = 0.0631



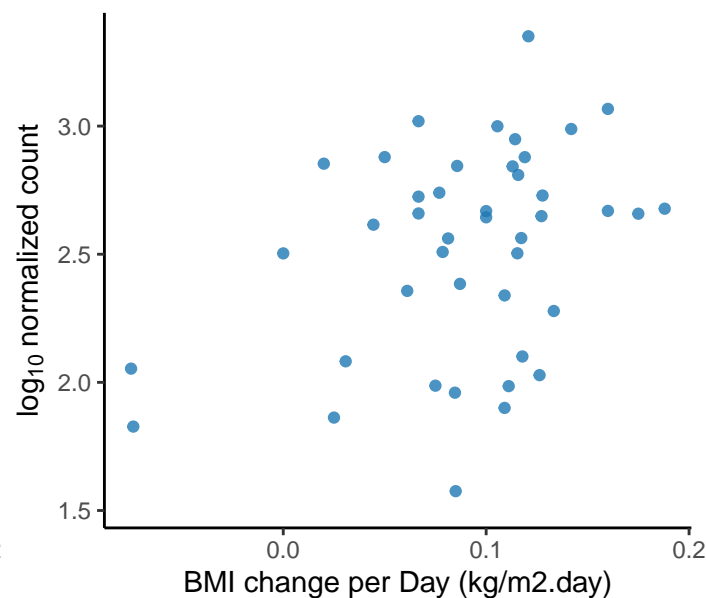
### Rhodobacter

adjusted p = 0.0631



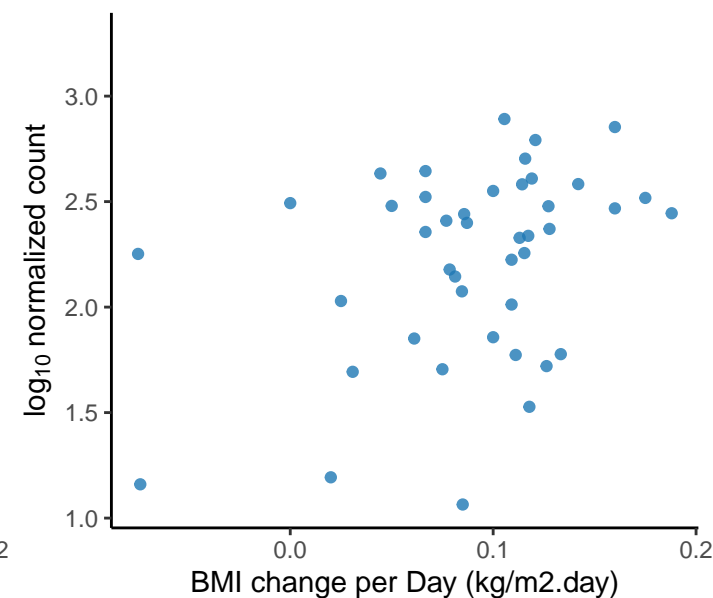
### Mycobacteroides

adjusted p = 0.0636



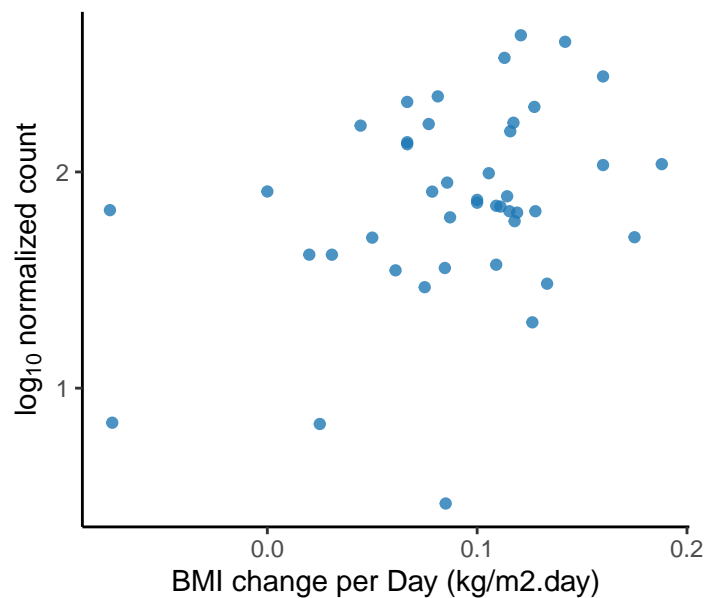
### Alienimonas

adjusted p = 0.0636



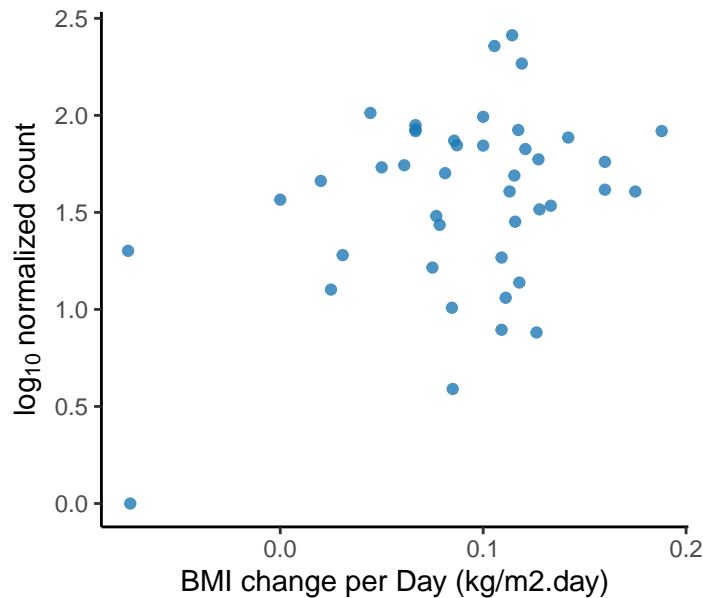
### Cohaesibacter

adjusted p = 0.0636



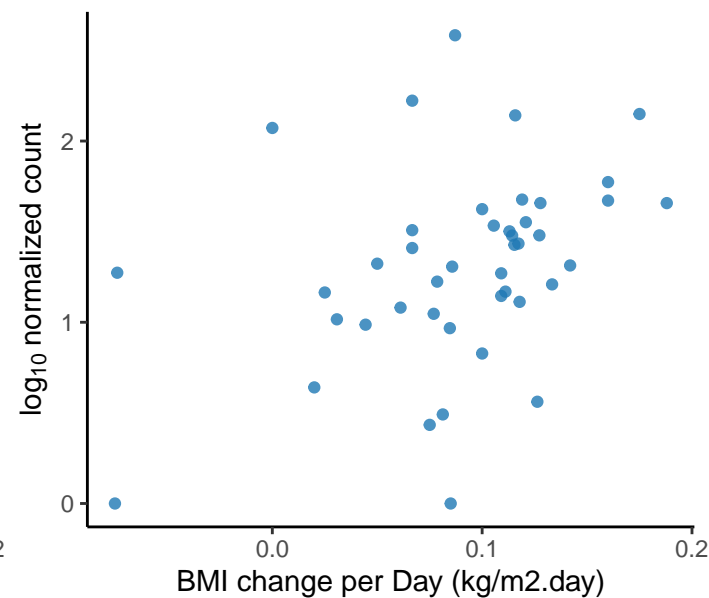
### Gloeomargarita

adjusted p = 0.064



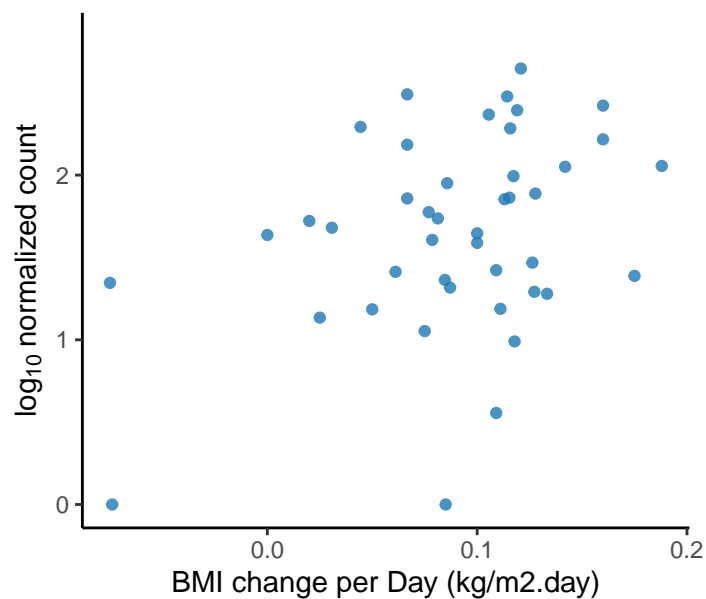
### Halopenitus

adjusted p = 0.064



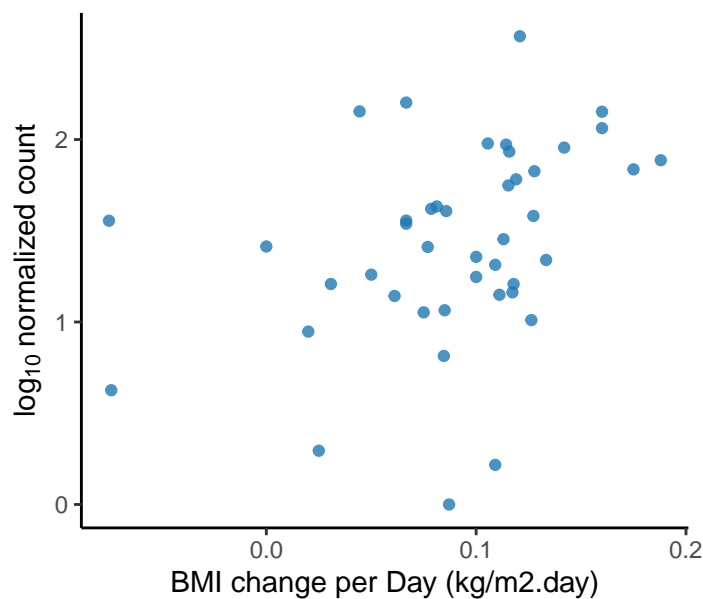
### Pistricoccus

adjusted p = 0.064



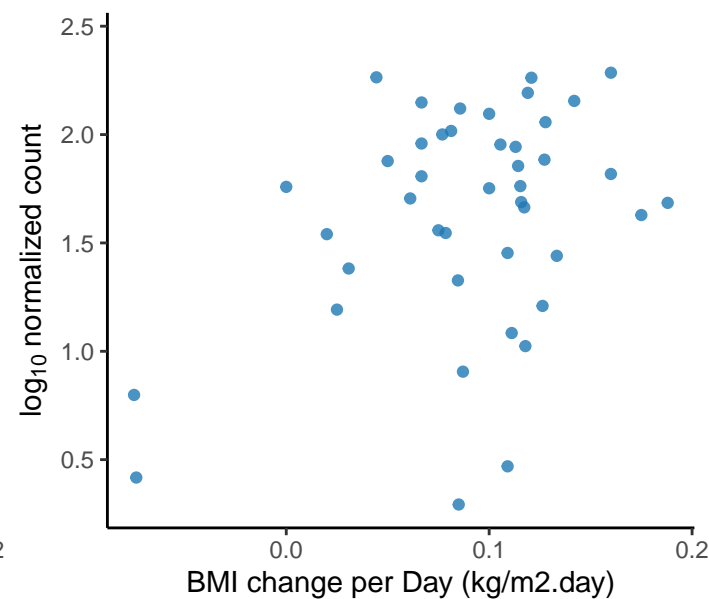
### Unclassified Zoogloeaceae Family

adjusted p = 0.064



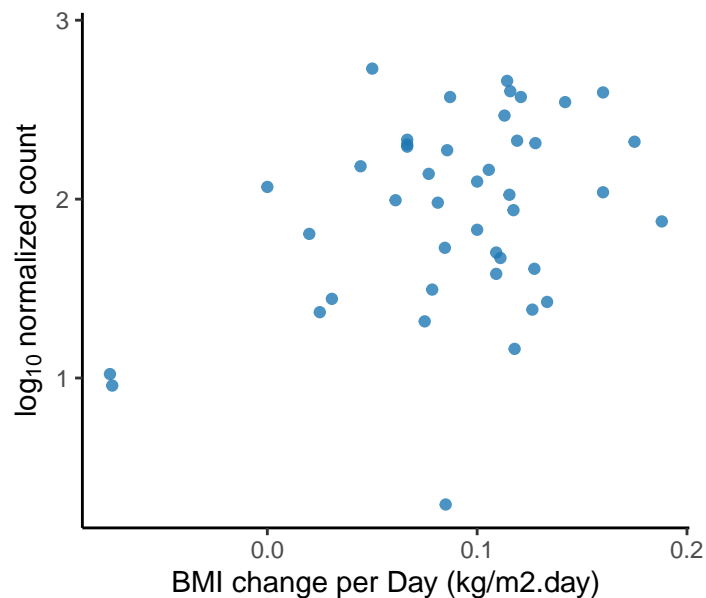
### Methylovulum

adjusted p = 0.0644



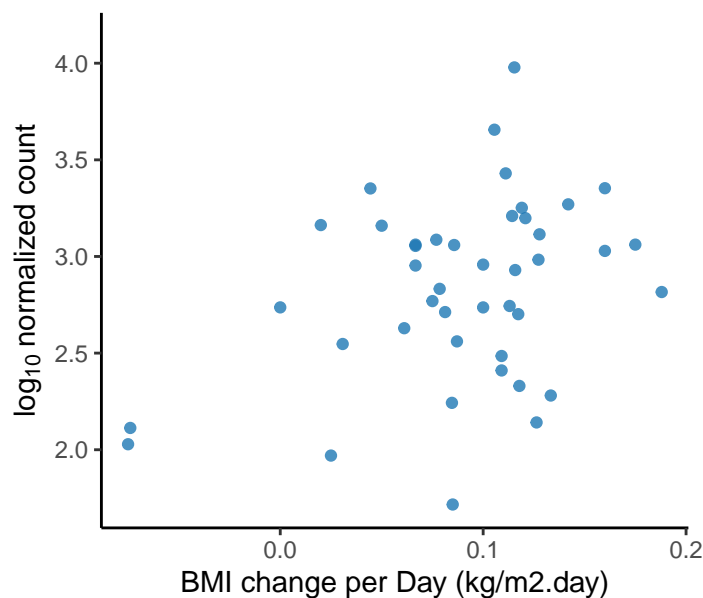
### Pimelobacter

adjusted p = 0.0644



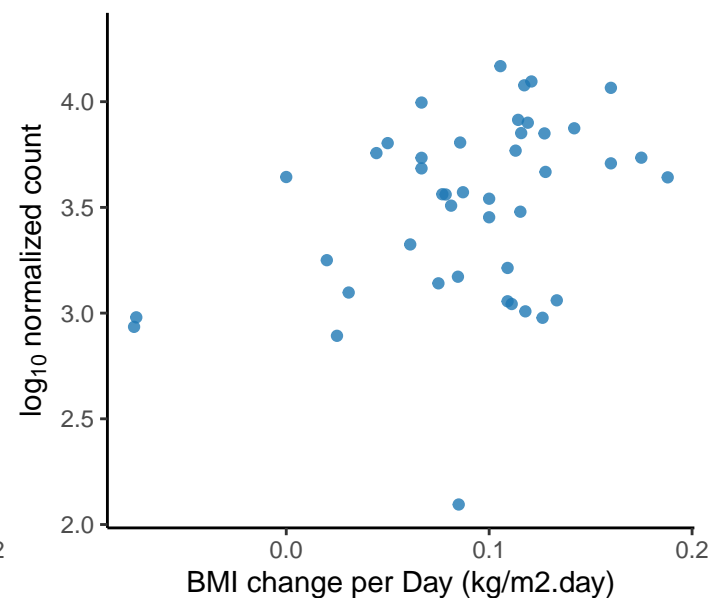
### Cloacibacillus

adjusted p = 0.0655



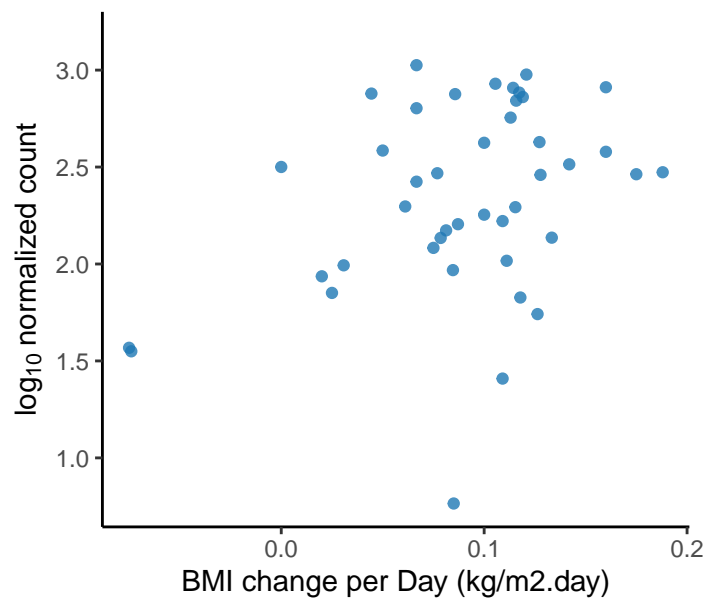
### Unclassified Alphaproteobacteria Class

adjusted p = 0.0655



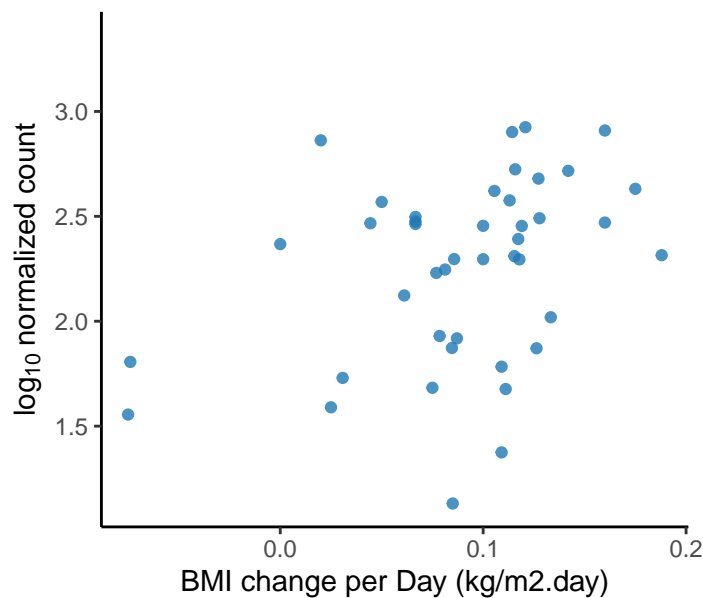
### Rhodospirillum

adjusted p = 0.0664



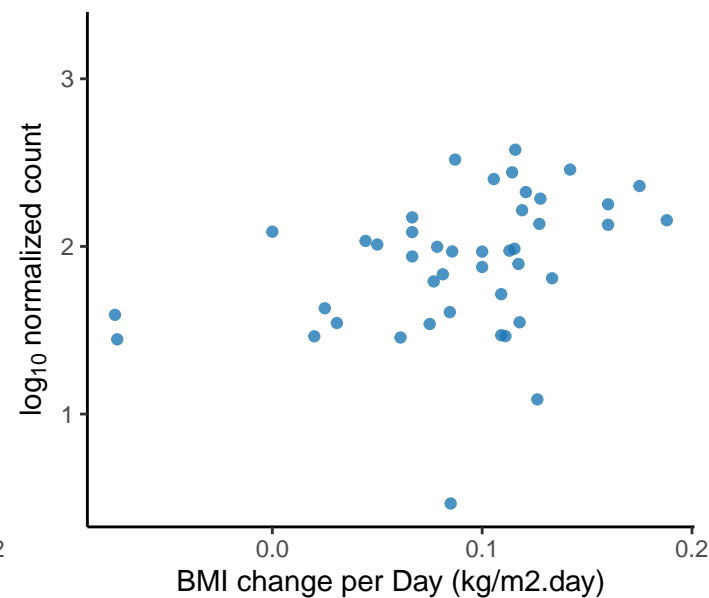
### Stigmatella

adjusted p = 0.0664



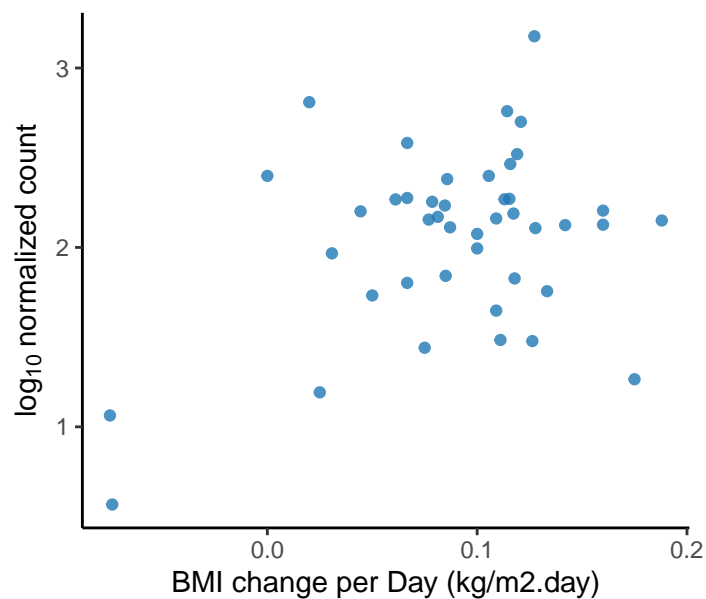
### Verrucosispora

adjusted p = 0.0664



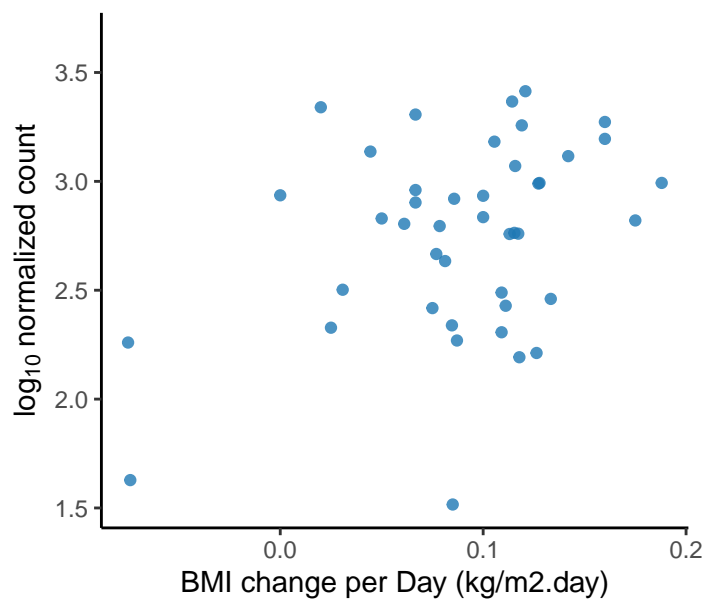
### Chryseolinea

adjusted p = 0.0665



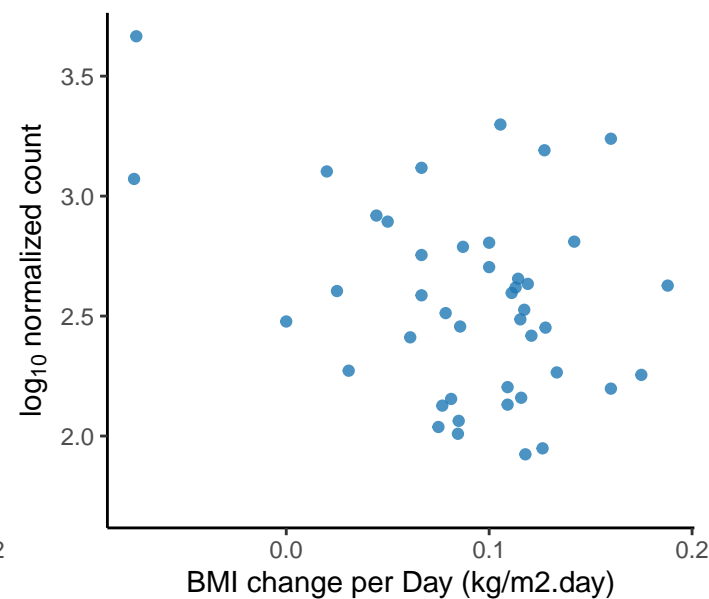
### Desulfosarcina

adjusted p = 0.0667



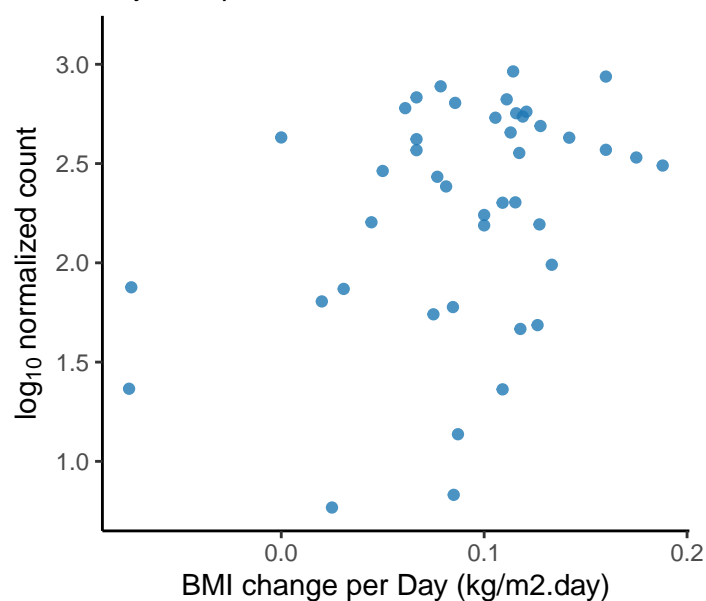
### Pediococcus

adjusted p = 0.0667



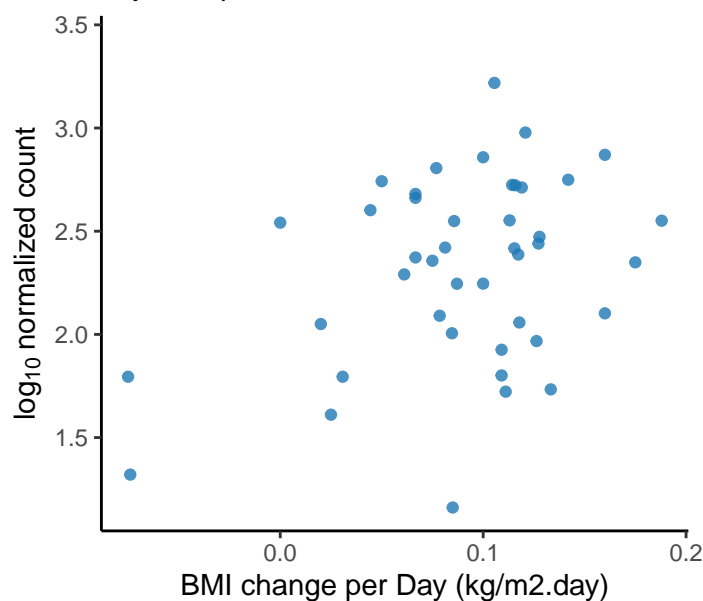
### Unclassified Desulfovibrionaceae Famil

adjusted p = 0.0667



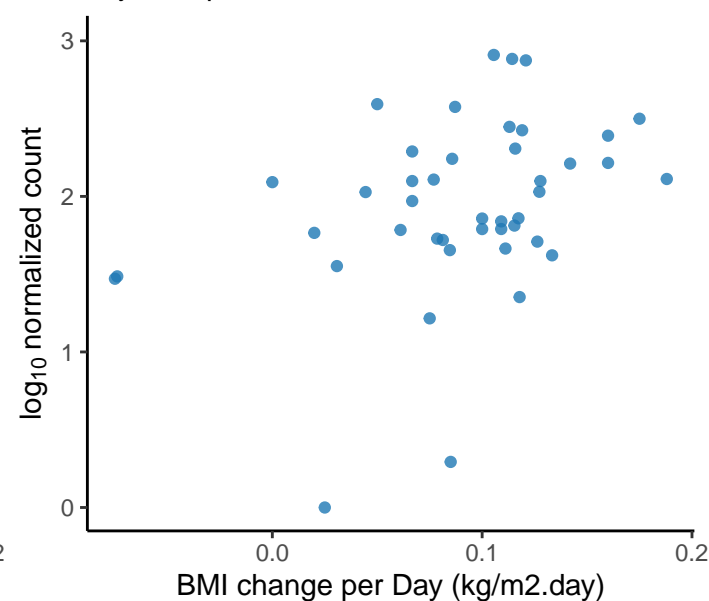
### Colletotrichum

adjusted p = 0.067



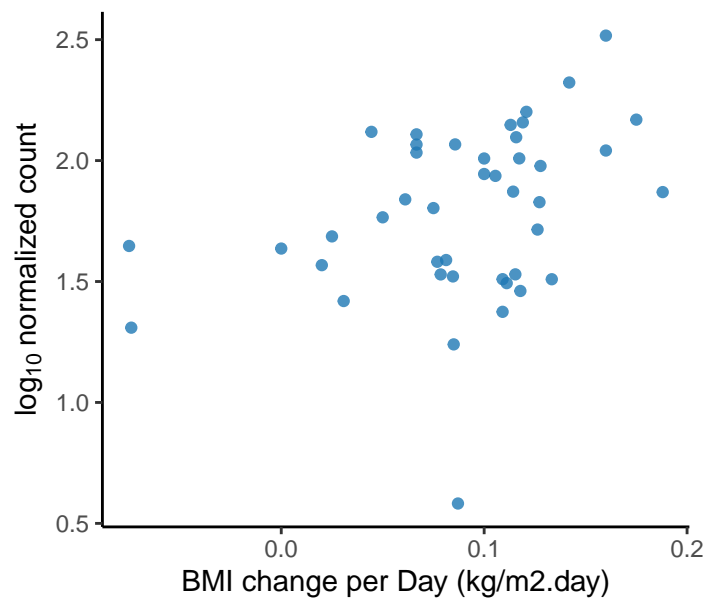
### Geodermatophilus

adjusted p = 0.067



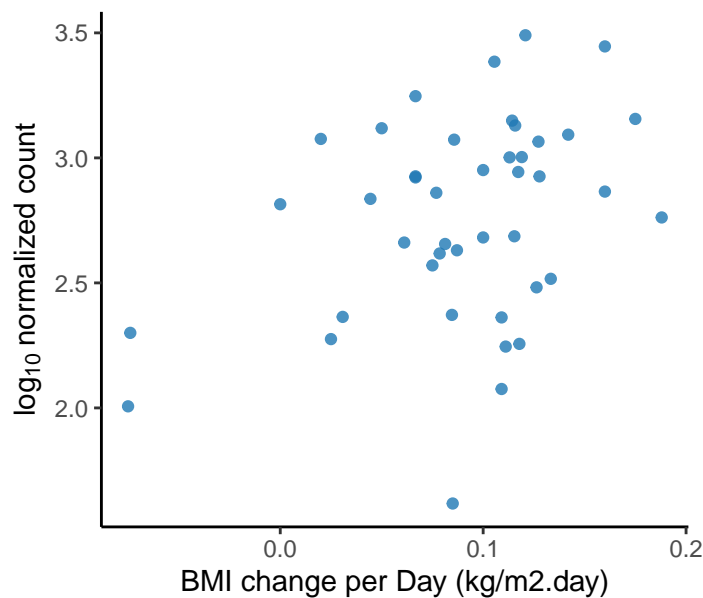
**Phyllobacterium**

adjusted p = 0.067



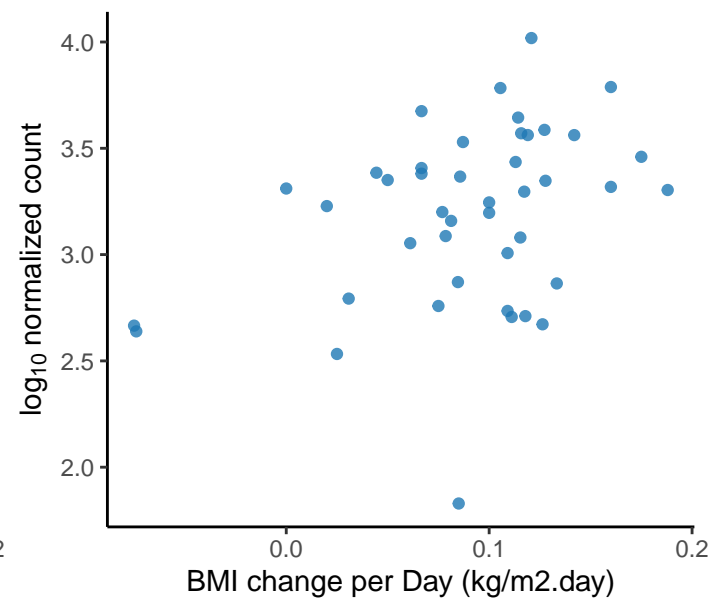
**Sphingopyxis**

adjusted p = 0.067



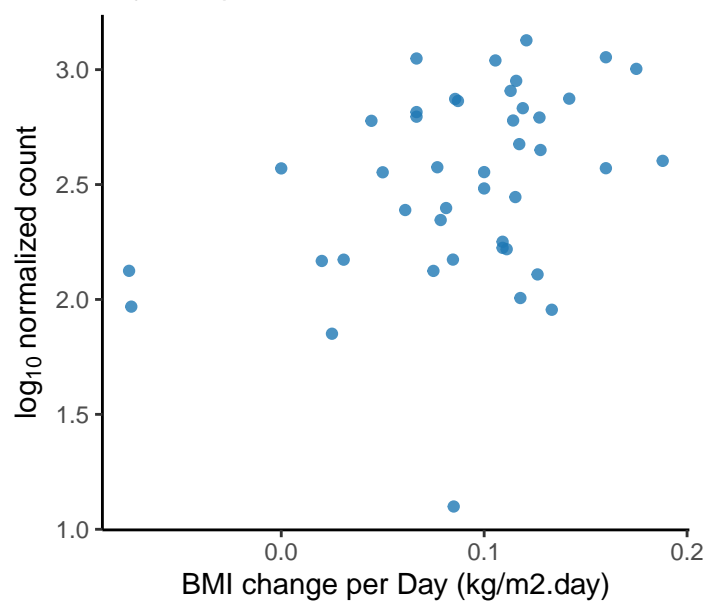
**Stenotrophomonas**

adjusted p = 0.067



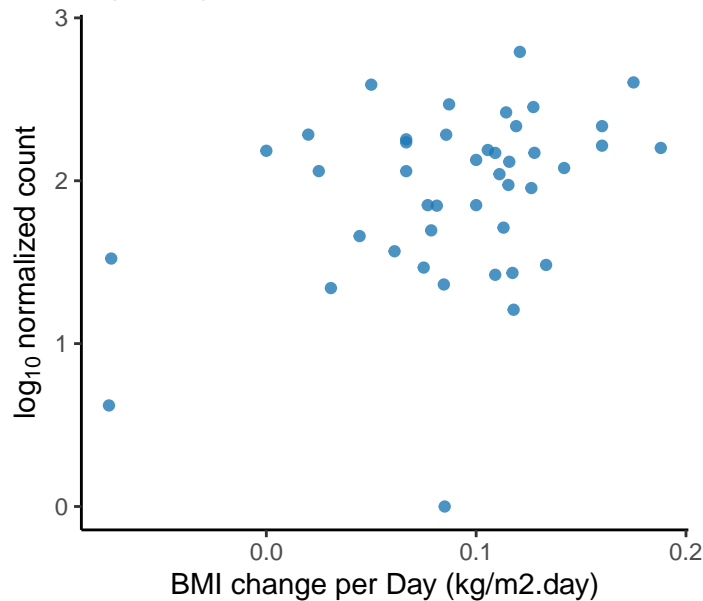
**Thermobacillus**

adjusted p = 0.0671



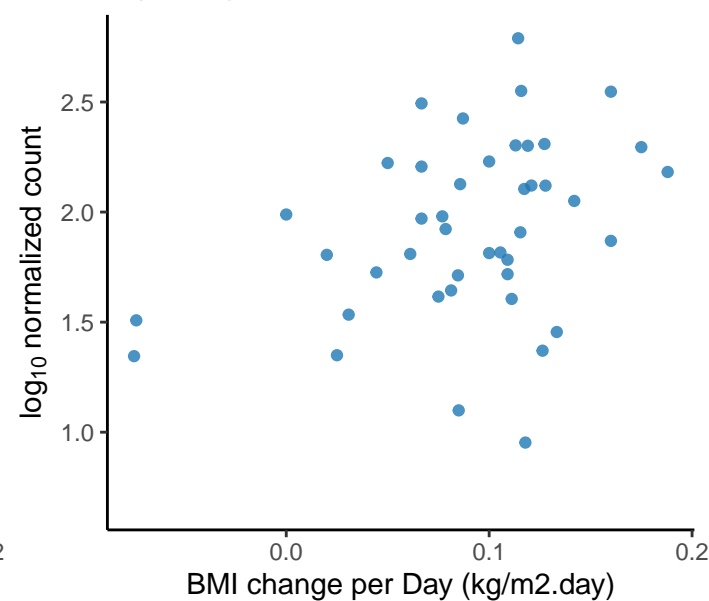
**Unclassified Propionibacteriaceae Family**

adjusted p = 0.0671



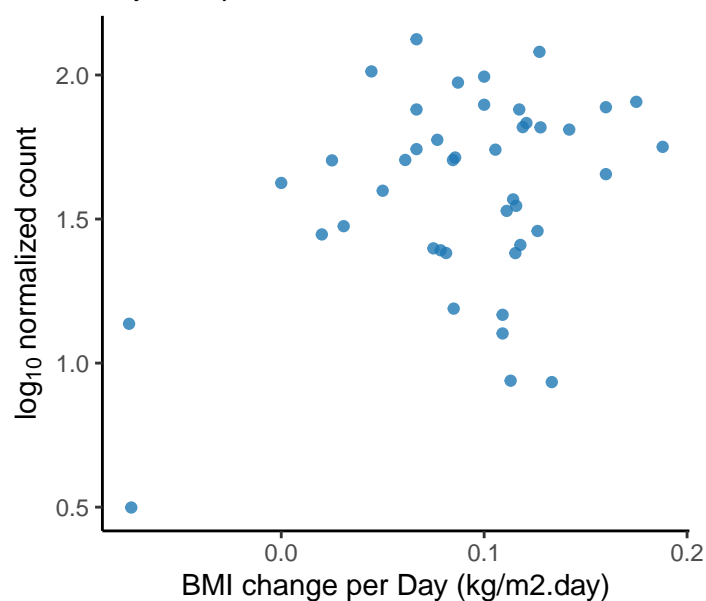
**Croceicoccus**

adjusted p = 0.0675



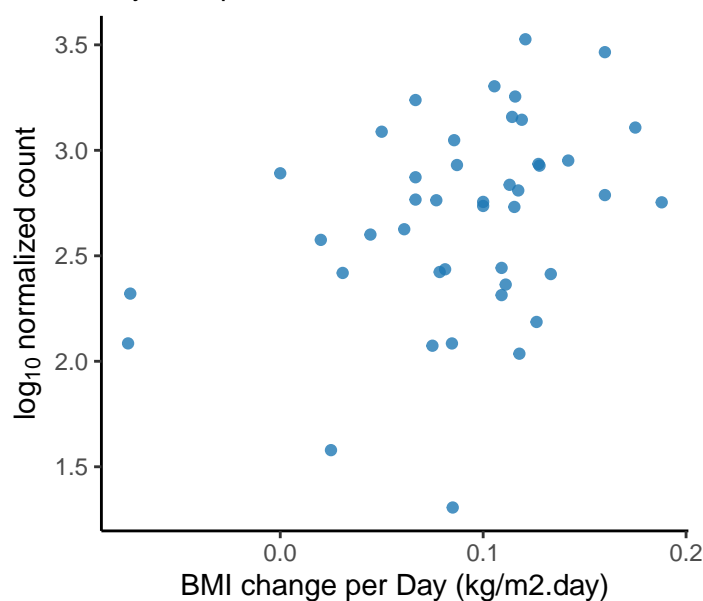
**Acaryochloris**

adjusted p = 0.0675



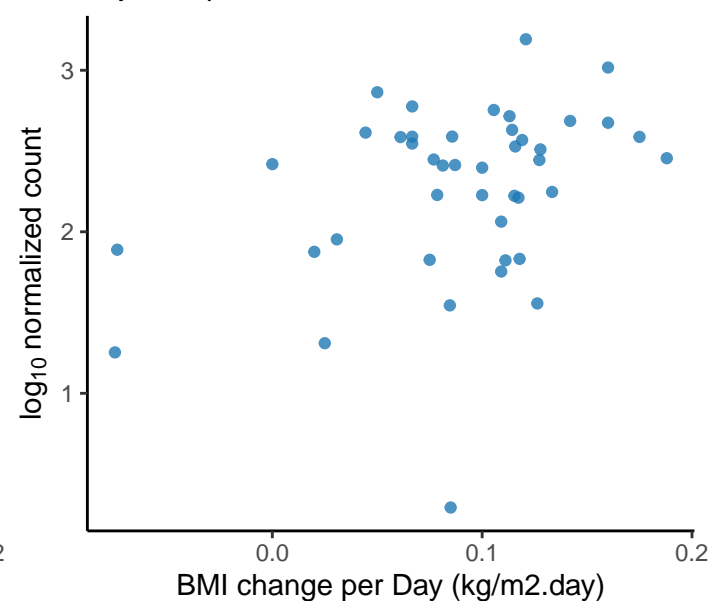
**Brachybacterium**

adjusted p = 0.0675

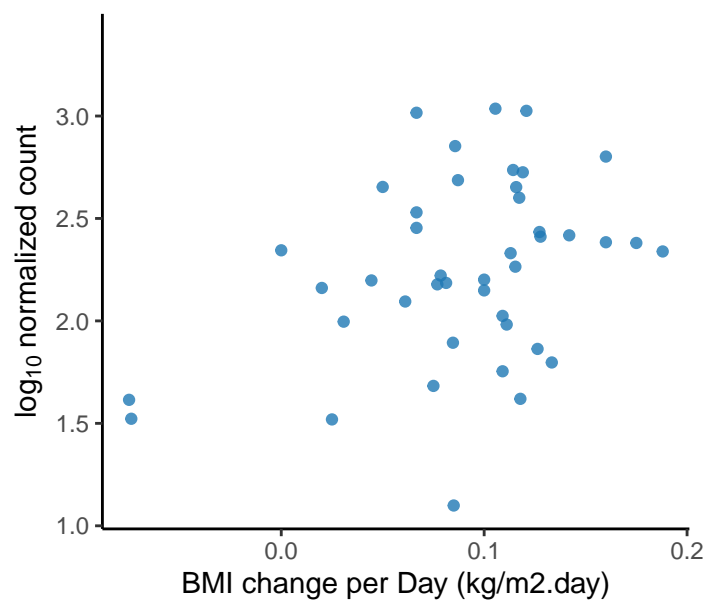


**Cryobacterium**

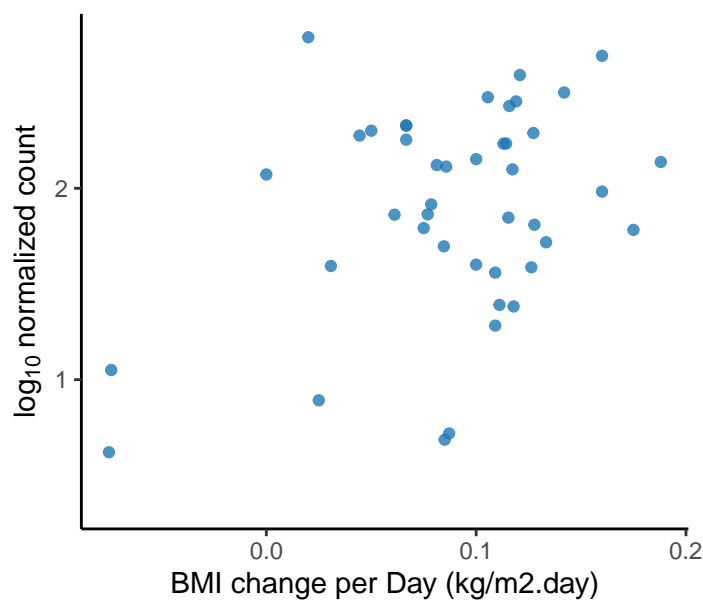
adjusted p = 0.0675



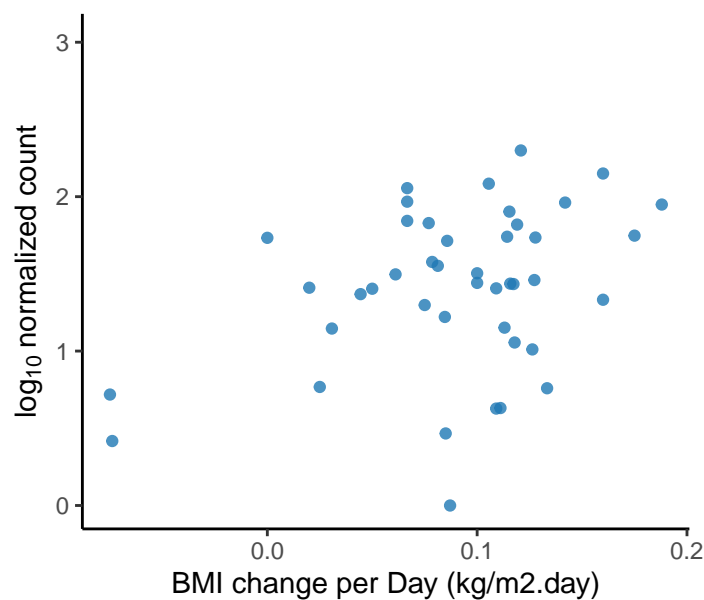
**Dyella**  
adjusted p = 0.0675



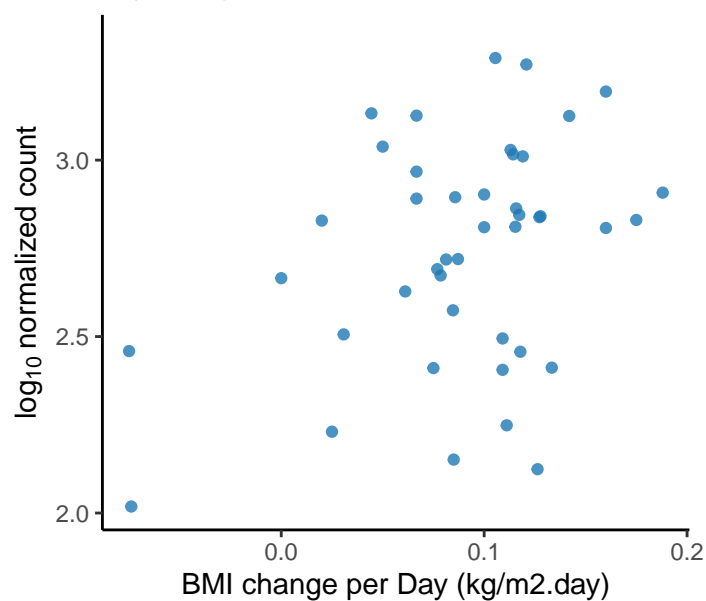
**Laribacter**  
adjusted p = 0.0675



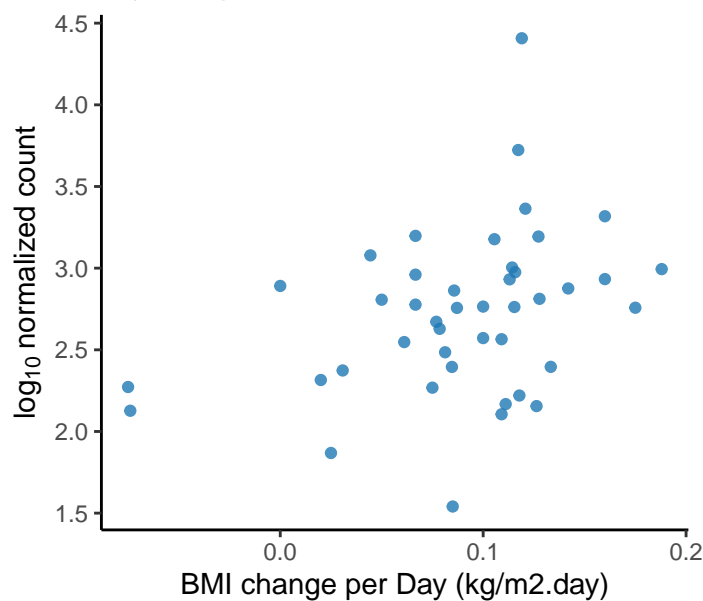
**Unclassified Synergistaceae Family**  
adjusted p = 0.0677



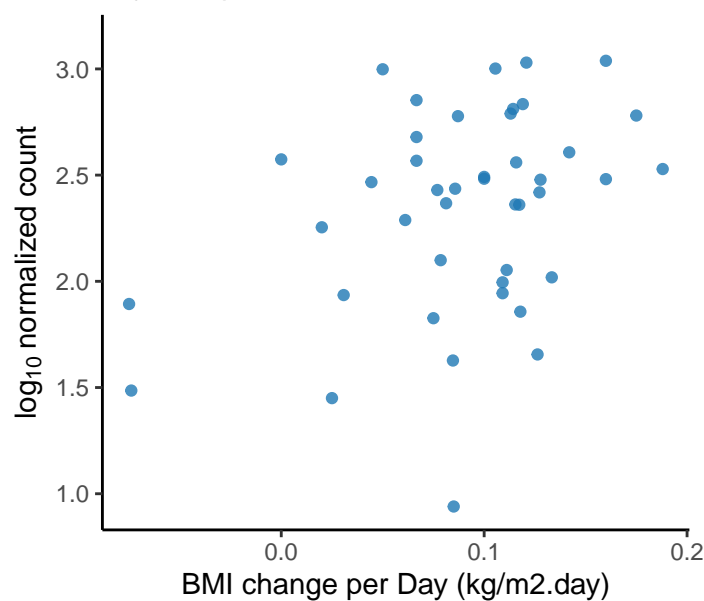
**Microbulbifer**  
adjusted p = 0.068



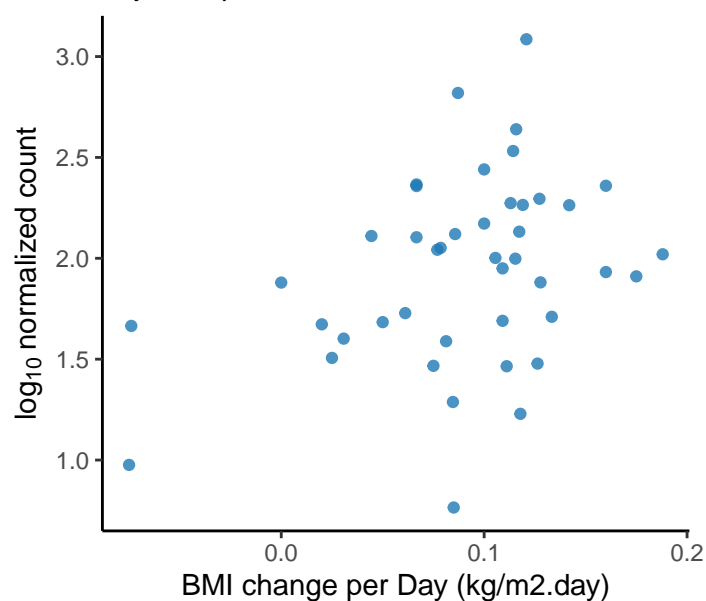
**Comamonas**  
adjusted p = 0.0683



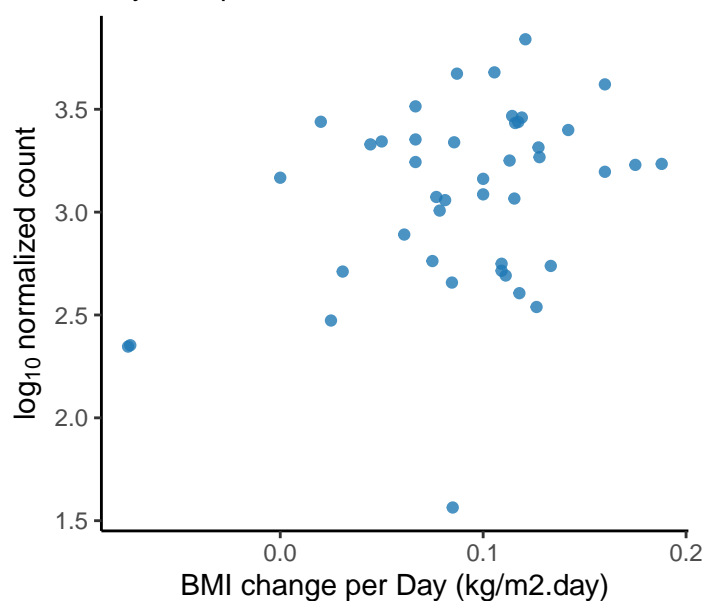
**Unclassified Micrococcaceae Family**  
adjusted p = 0.0686



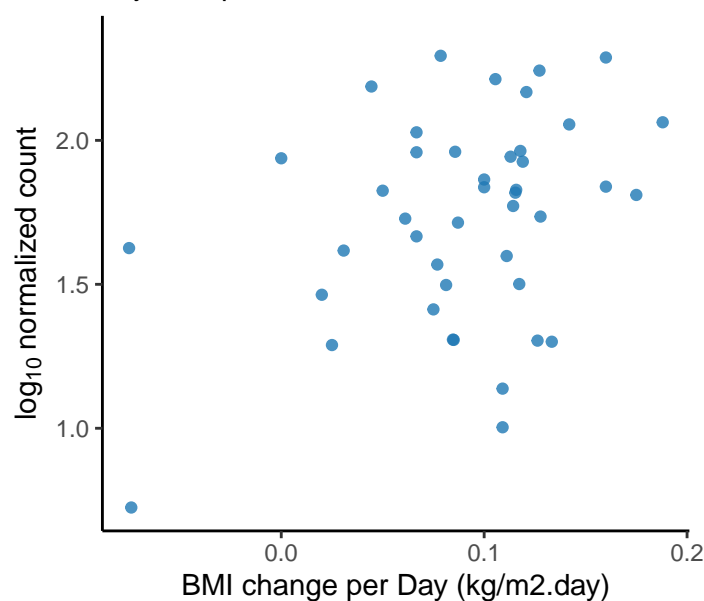
**Lautropia**  
adjusted p = 0.0686



**Unclassified Rhodobacteraceae Family**  
adjusted p = 0.0687

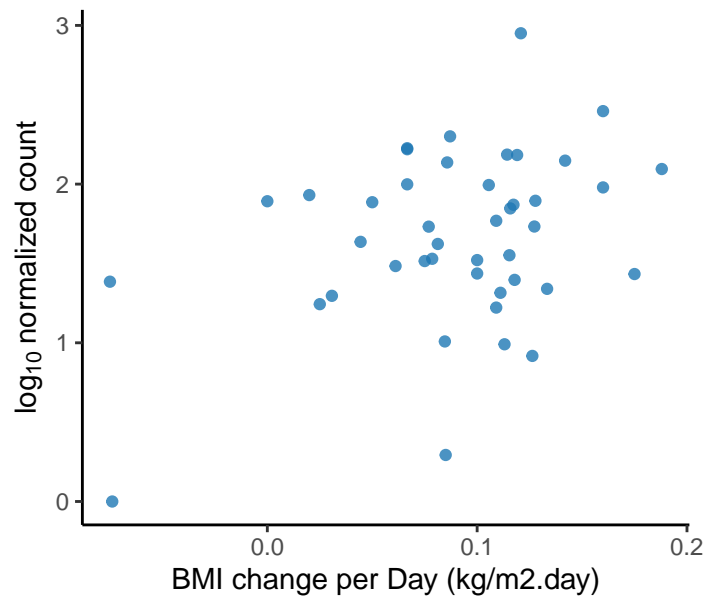


**Leminorella**  
adjusted p = 0.0688



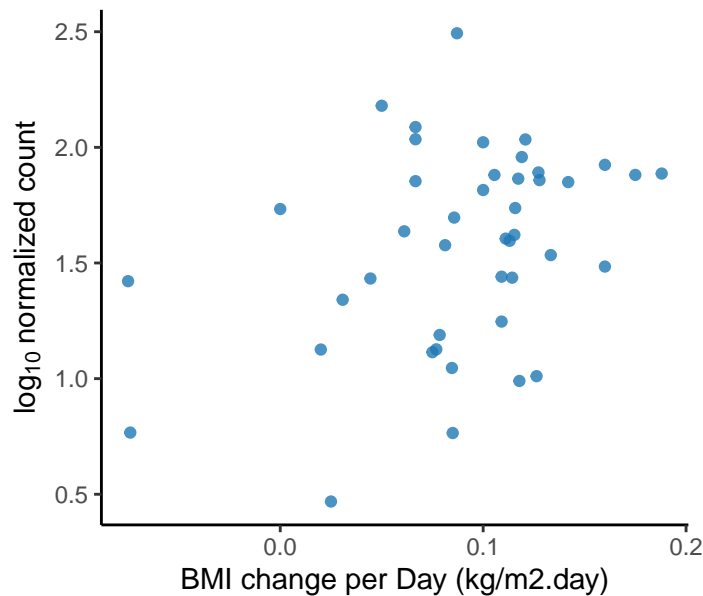
### Maribius

adjusted p = 0.0688



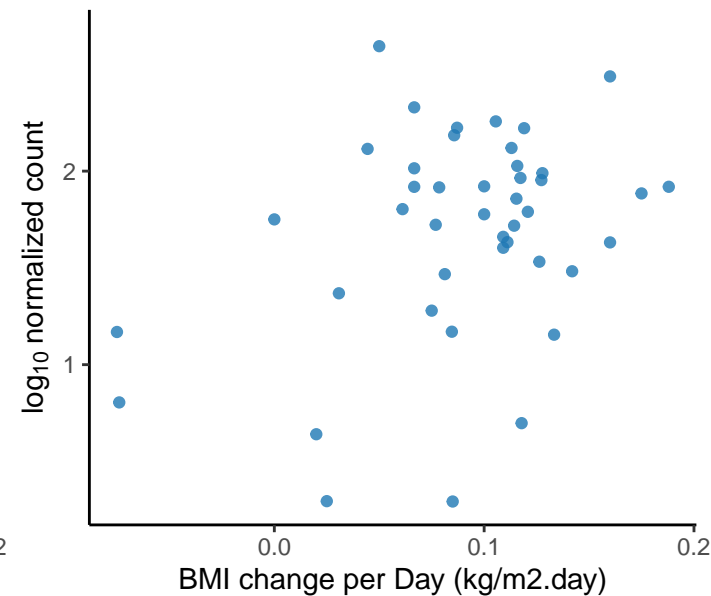
### Neomicrococcus

adjusted p = 0.0692



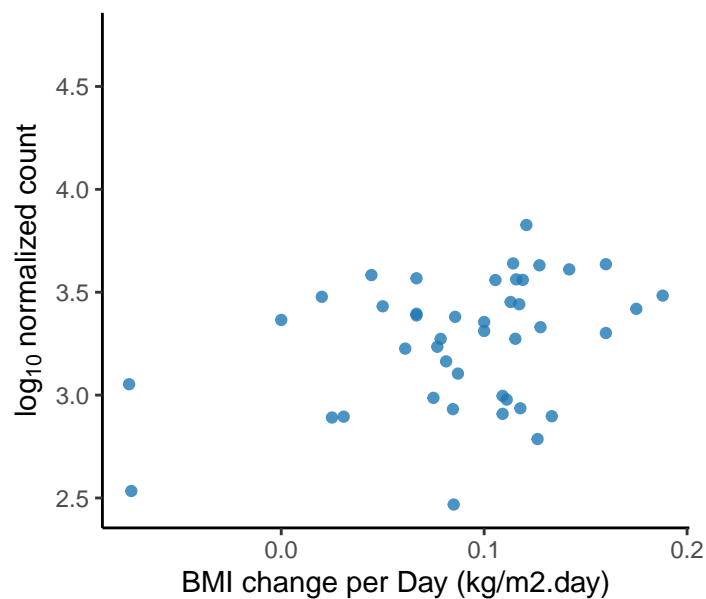
### Halomicrobium

adjusted p = 0.0702



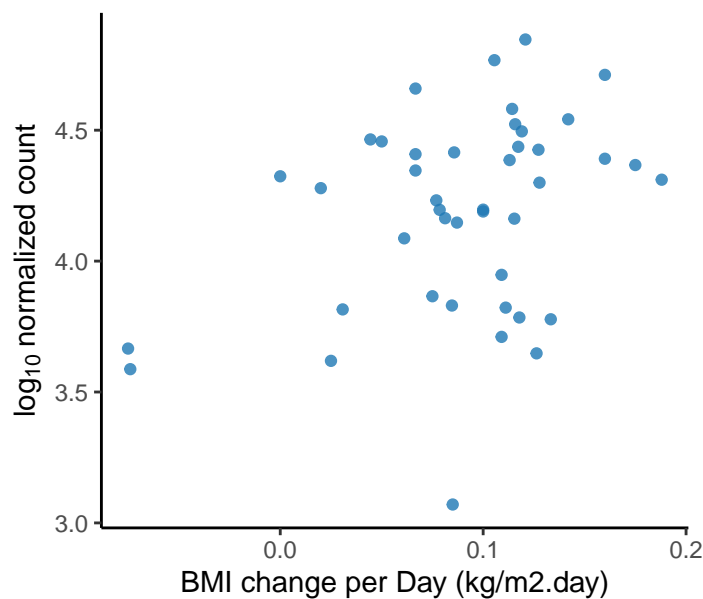
### Serratia

adjusted p = 0.0702



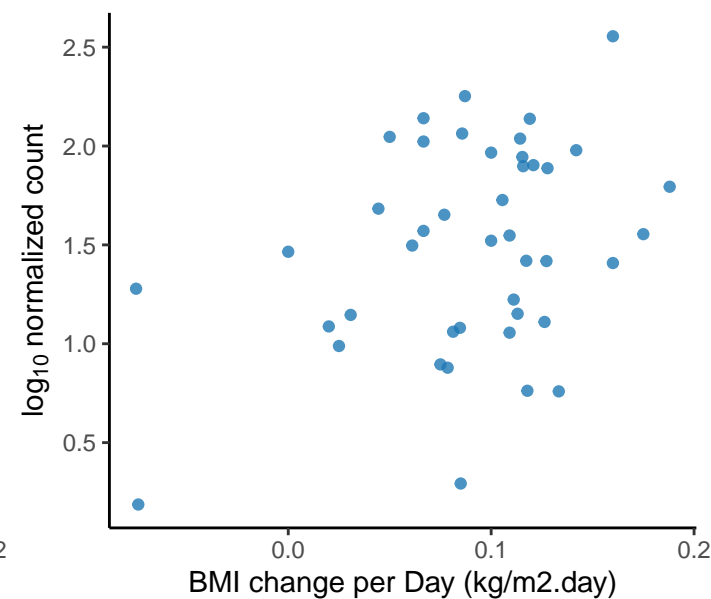
### Unclassified Proteobacteria Phylum

adjusted p = 0.0702



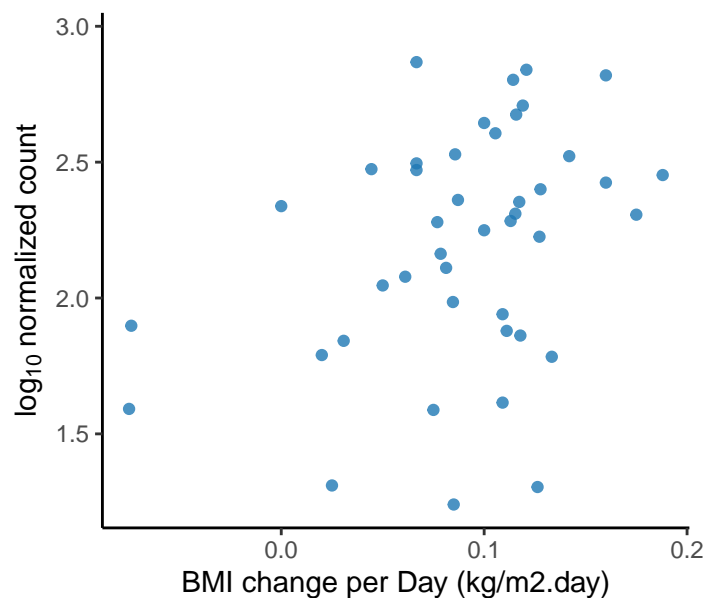
### Thermomicrobium

adjusted p = 0.0704



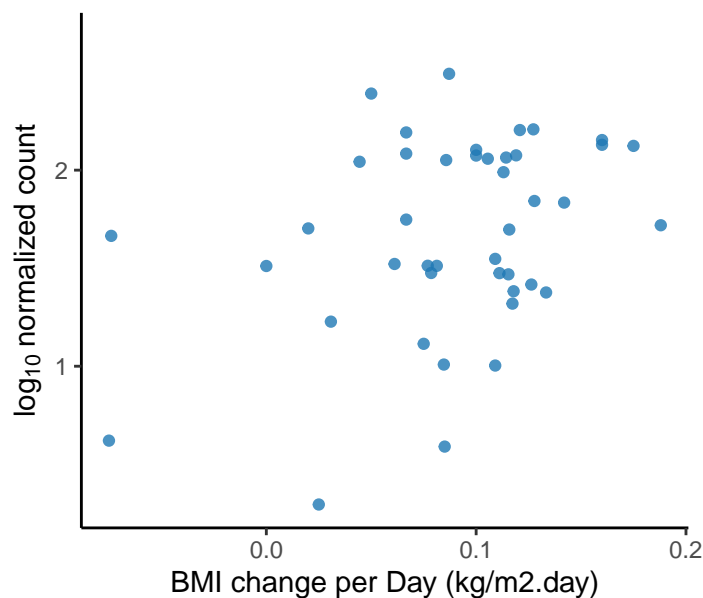
### Gemmatimonas

adjusted p = 0.0706



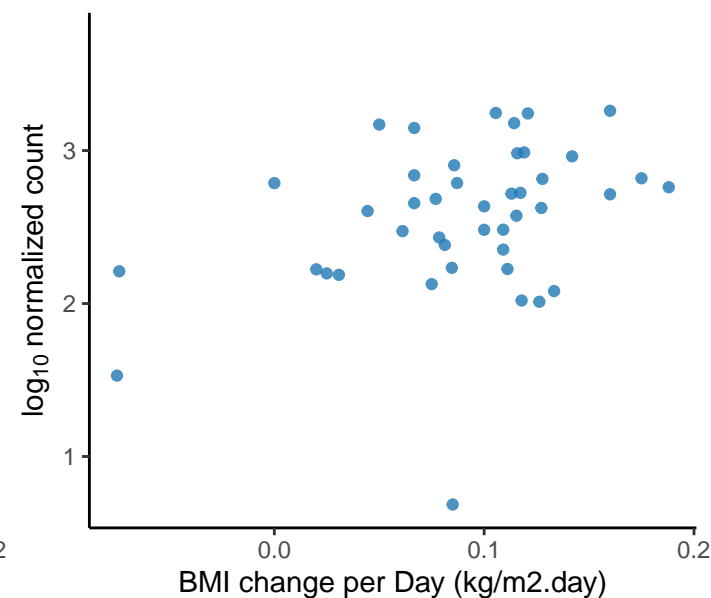
### Pseudactinotalea

adjusted p = 0.0709



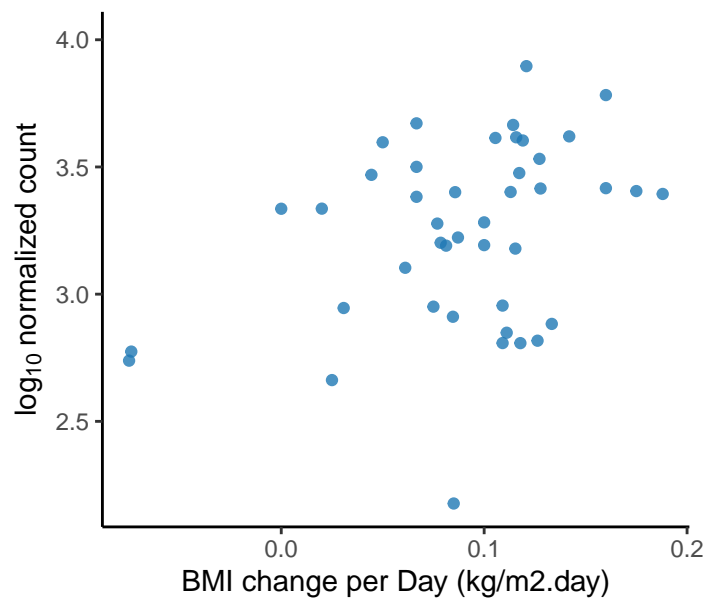
### Aeromicrobium

adjusted p = 0.0717



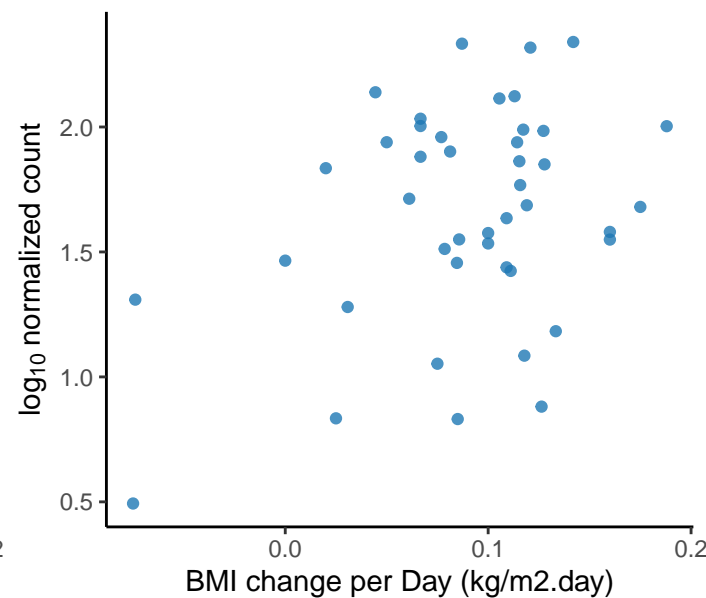
Mesorhizobium

adjusted p = 0.0717



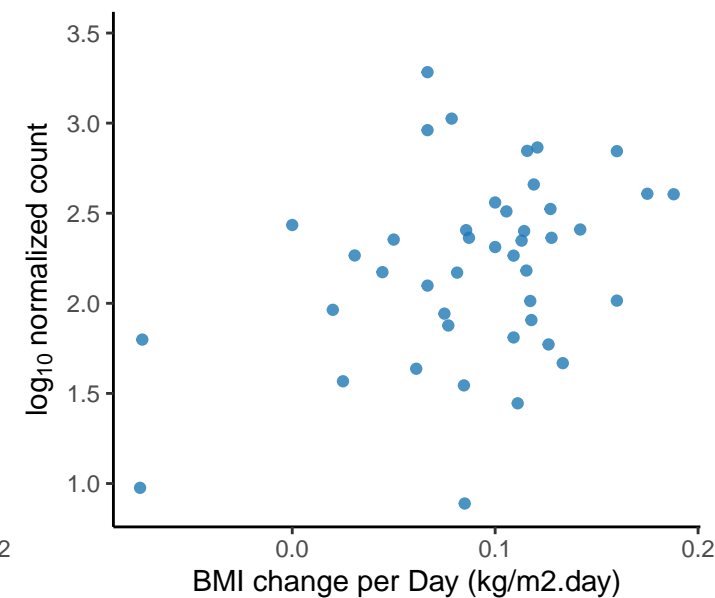
Pseudohalocynthiibacter

adjusted p = 0.0718



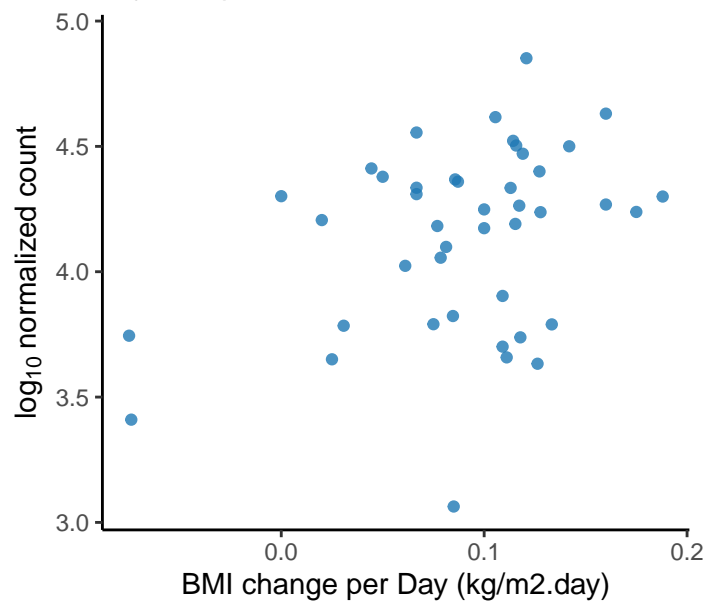
Pseudopropionibacterium

adjusted p = 0.0724



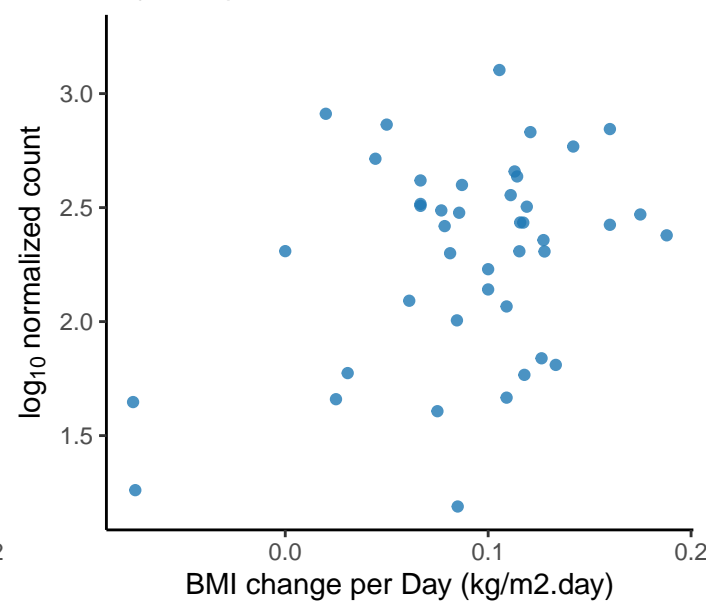
Pseudomonas

adjusted p = 0.0727



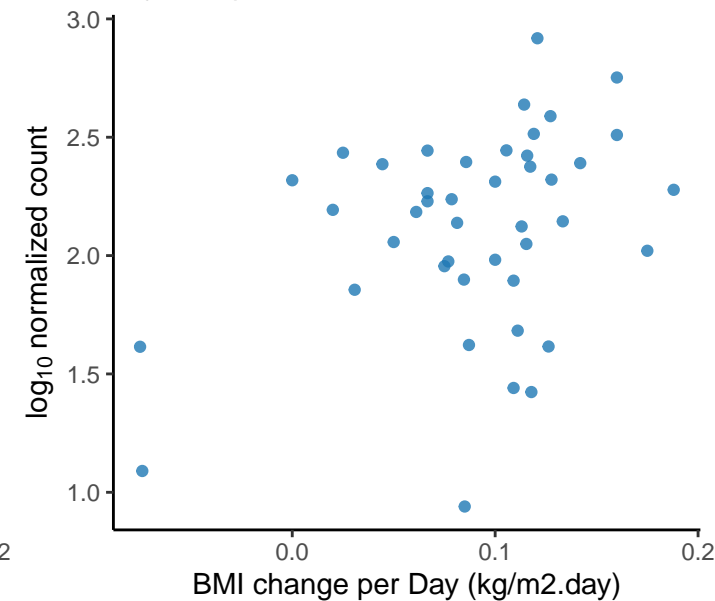
Dermabacter

adjusted p = 0.0742



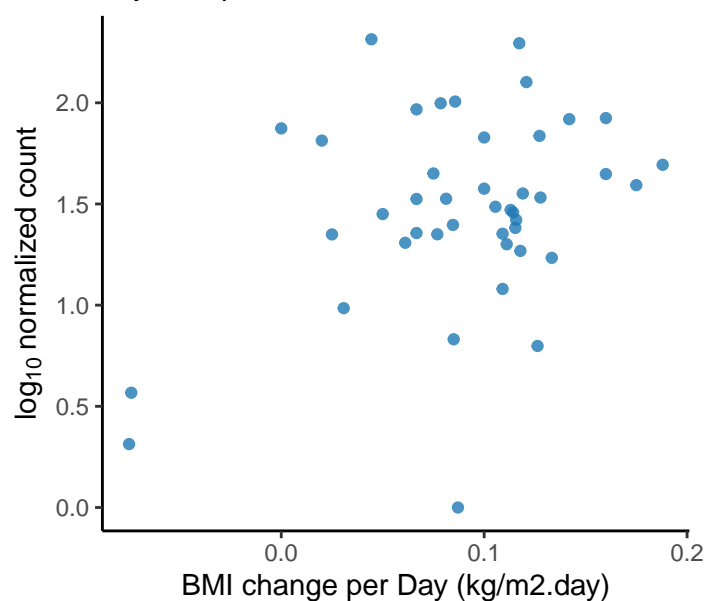
Desulfurivibrio

adjusted p = 0.0742



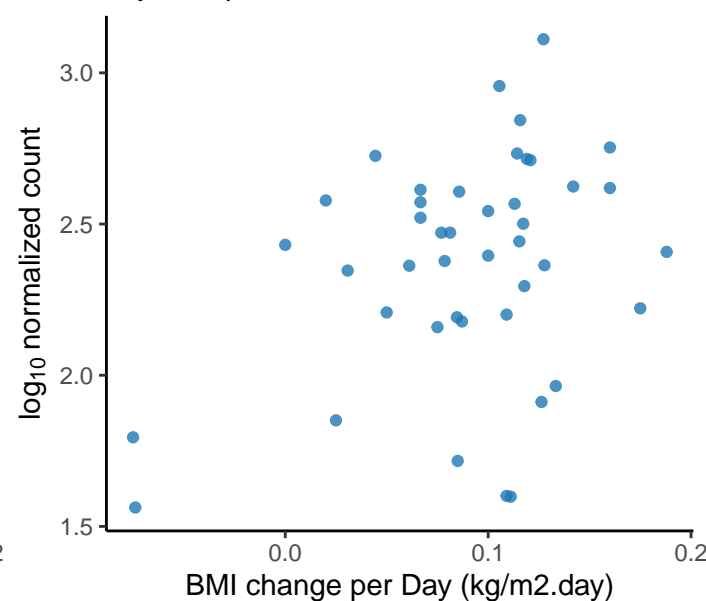
Haematospirillum

adjusted p = 0.0742



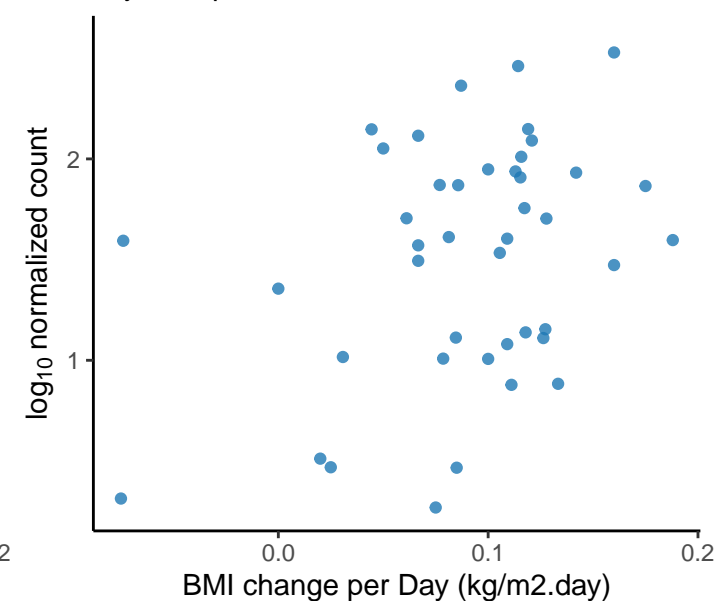
Rufibacter

adjusted p = 0.0742



Unclassified Halobacteriales Order

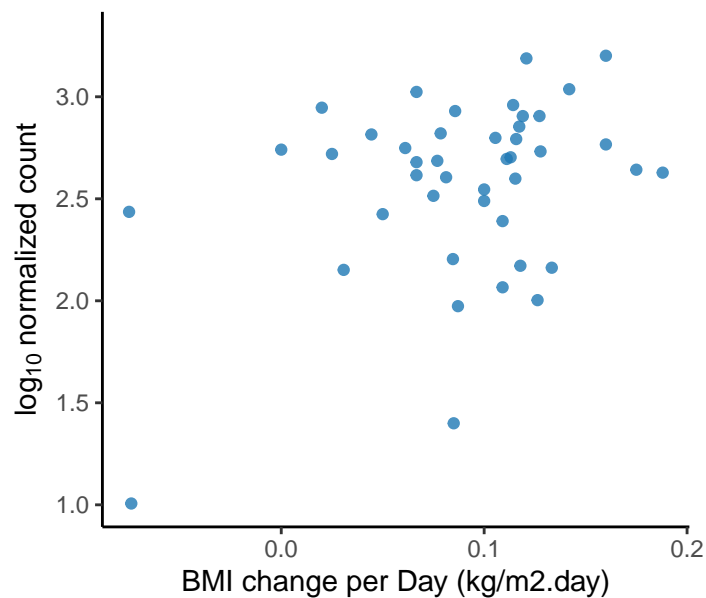
adjusted p = 0.0749





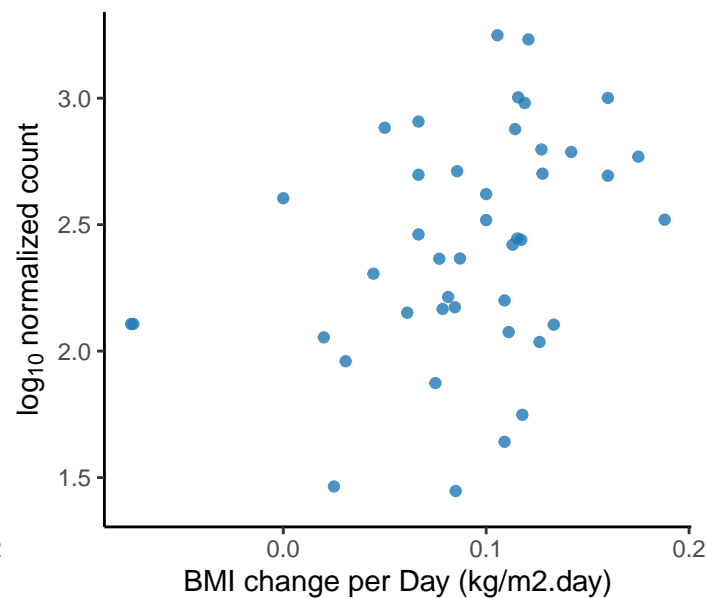
**Desulfomicrobium**

adjusted p = 0.075



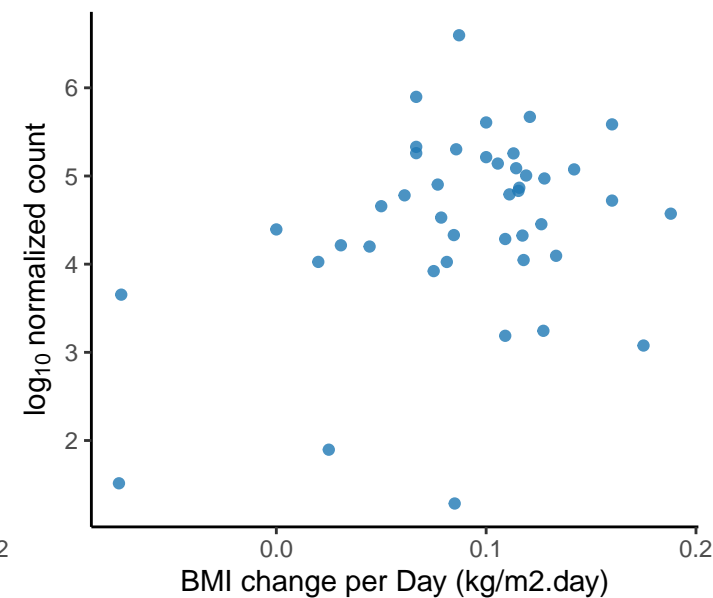
**Saccharopolyspora**

adjusted p = 0.0755



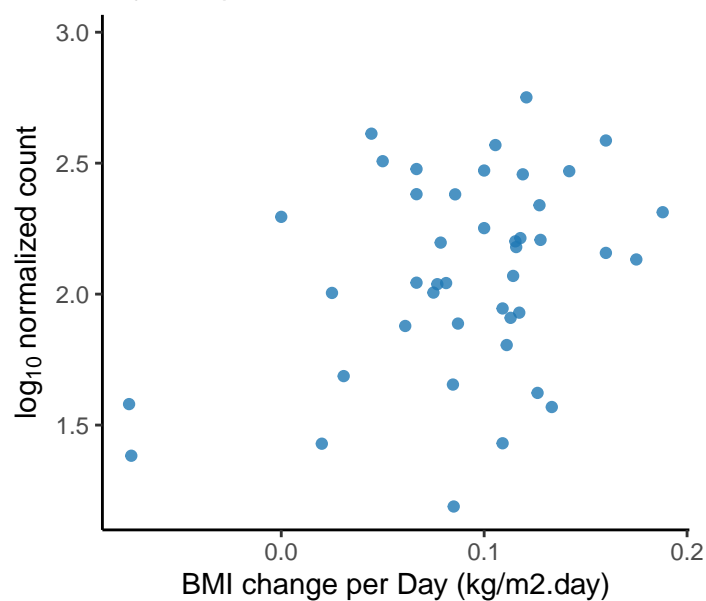
**Gordonibacter**

adjusted p = 0.0757



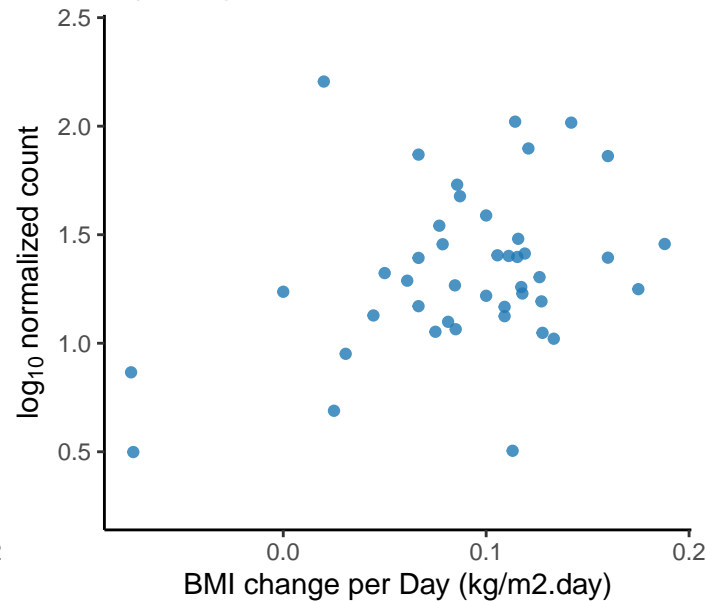
**Nitrosospira**

adjusted p = 0.0757



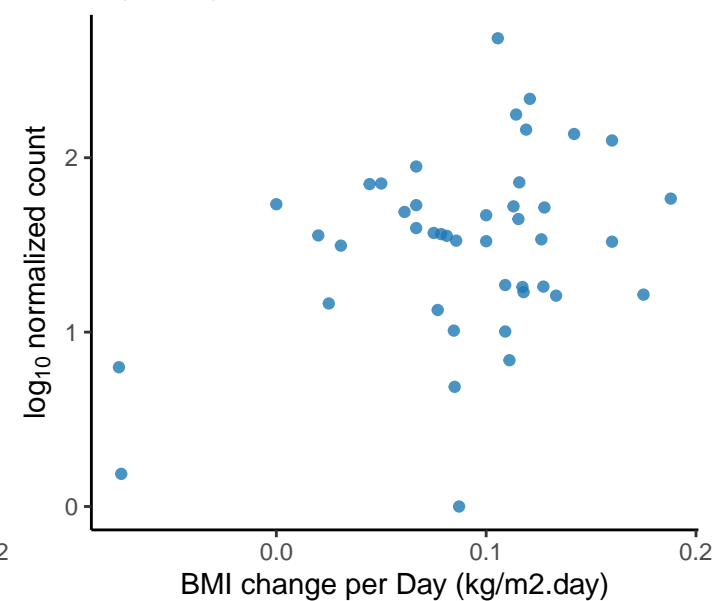
**Simkania**

adjusted p = 0.0757



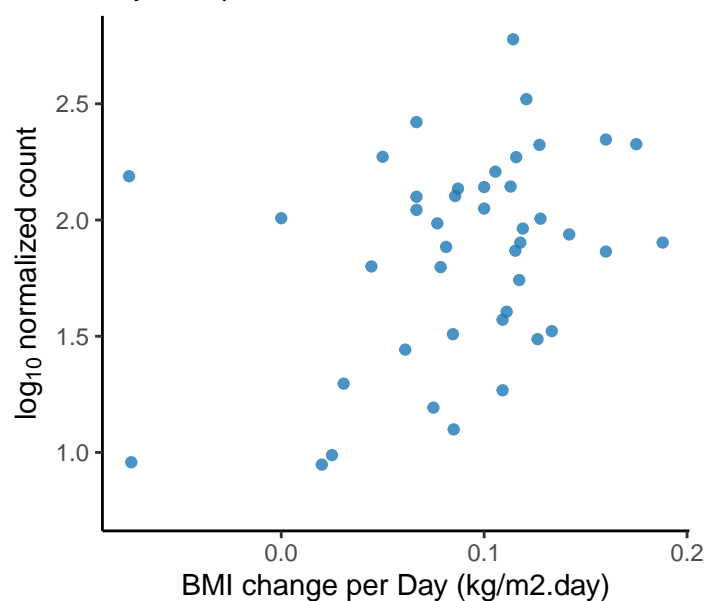
**Teredinibacter**

adjusted p = 0.0757



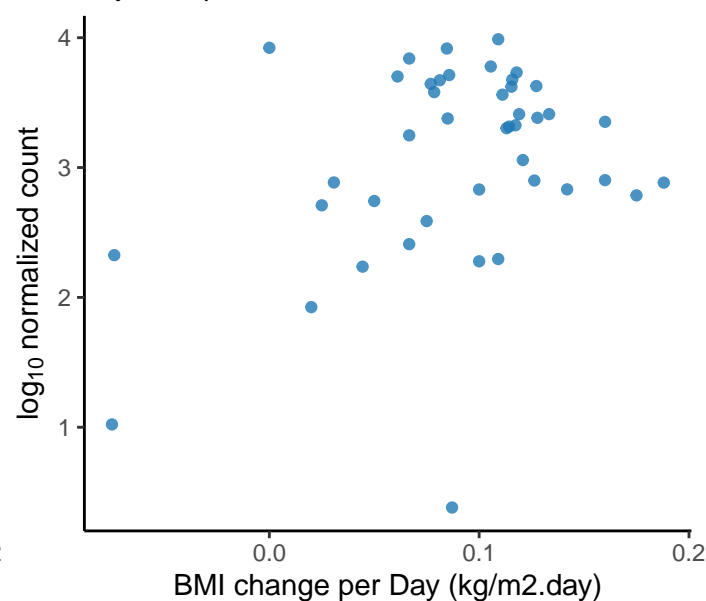
**Unclassified Frankiales Order**

adjusted p = 0.0757



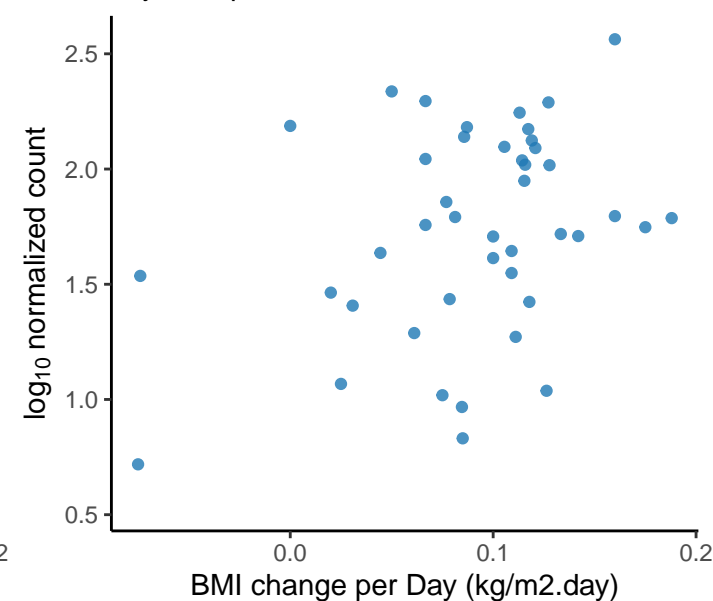
**Barnesiella**

adjusted p = 0.0758



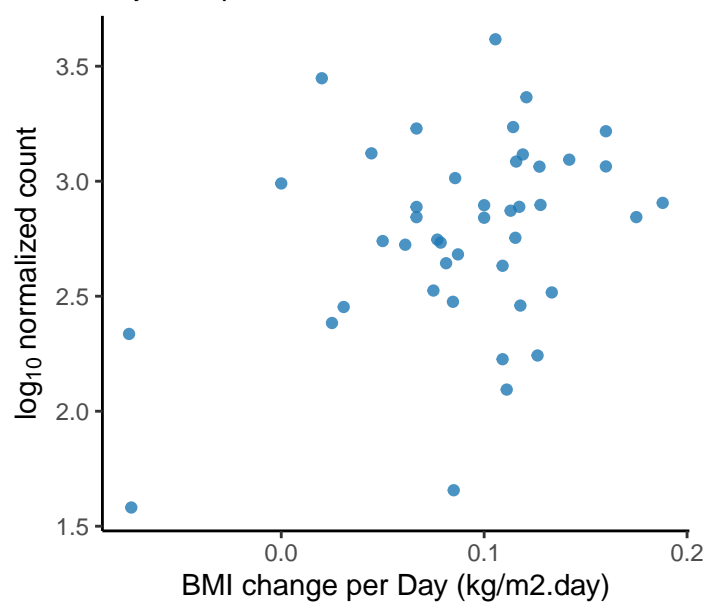
**Pseudogulbenkiania**

adjusted p = 0.0759



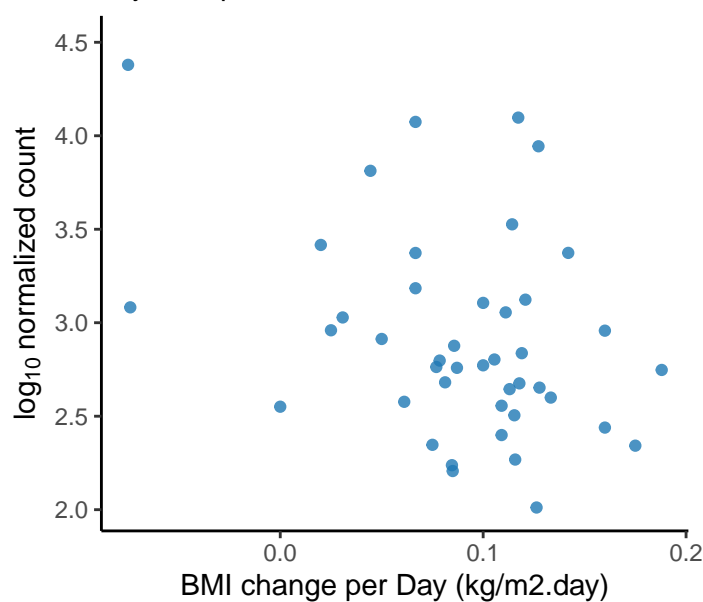
**Pelobacter**

adjusted p = 0.076



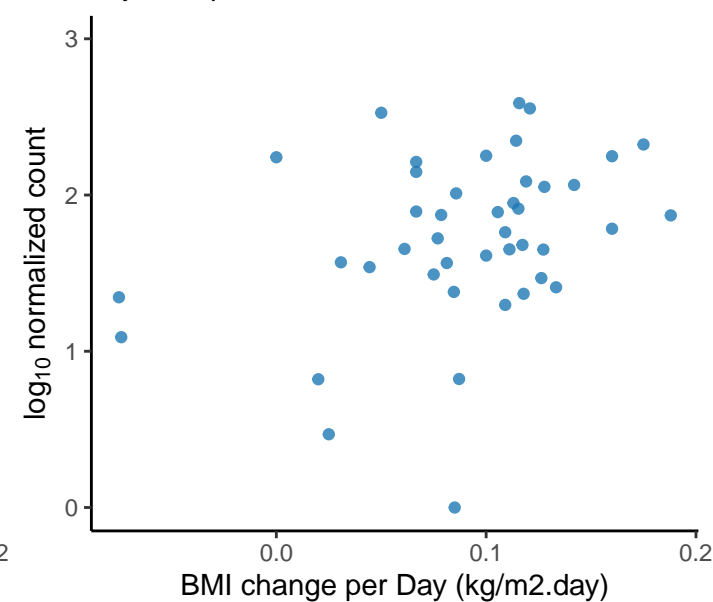
**Leuconostoc**

adjusted p = 0.0762



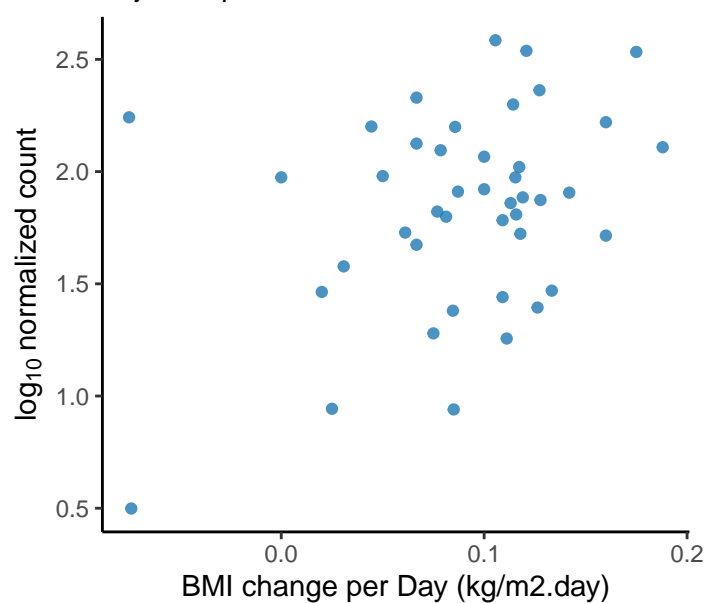
**Jeongeupia**

adjusted p = 0.0775



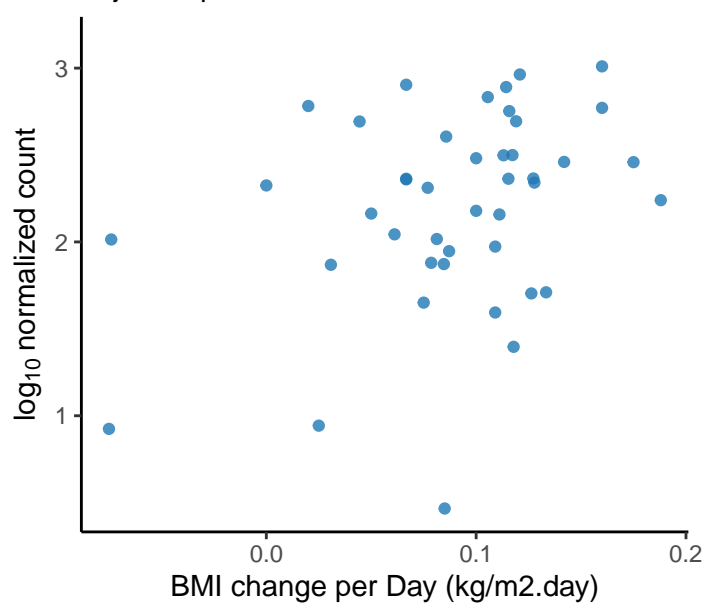
**Caballeronia**

adjusted p = 0.0786



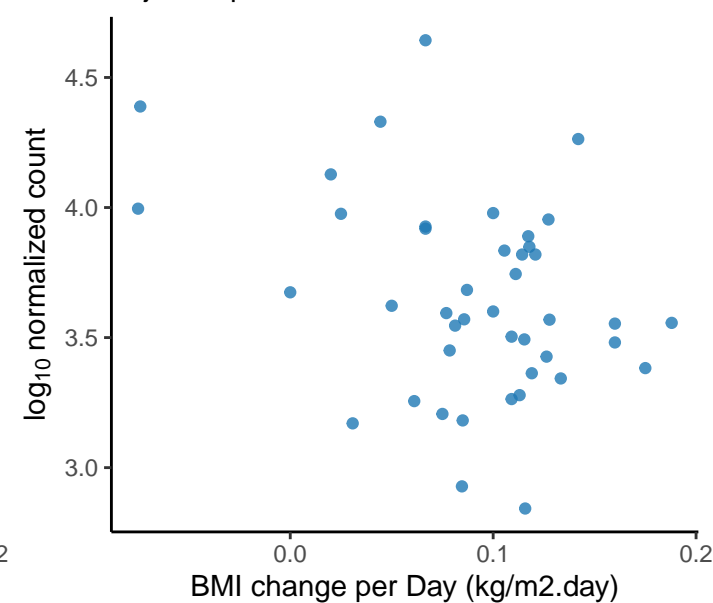
**Phenylobacterium**

adjusted p = 0.0786



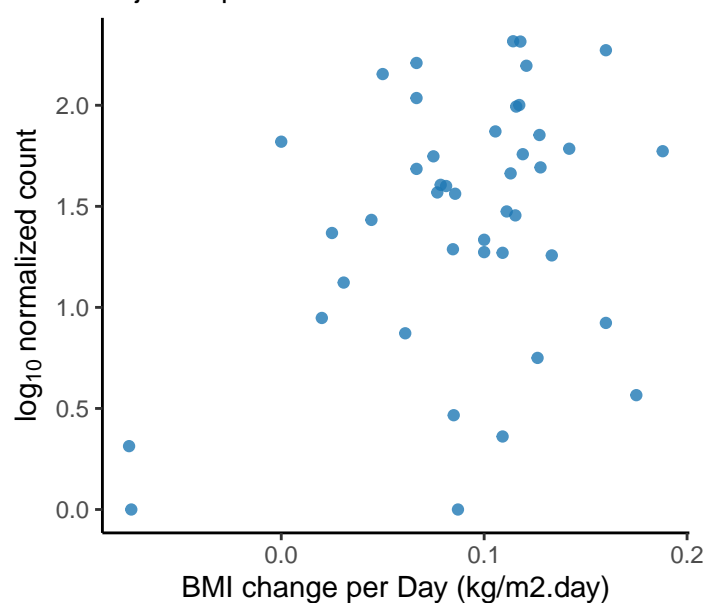
**Unclassified Lactobacillales Order**

adjusted p = 0.0786



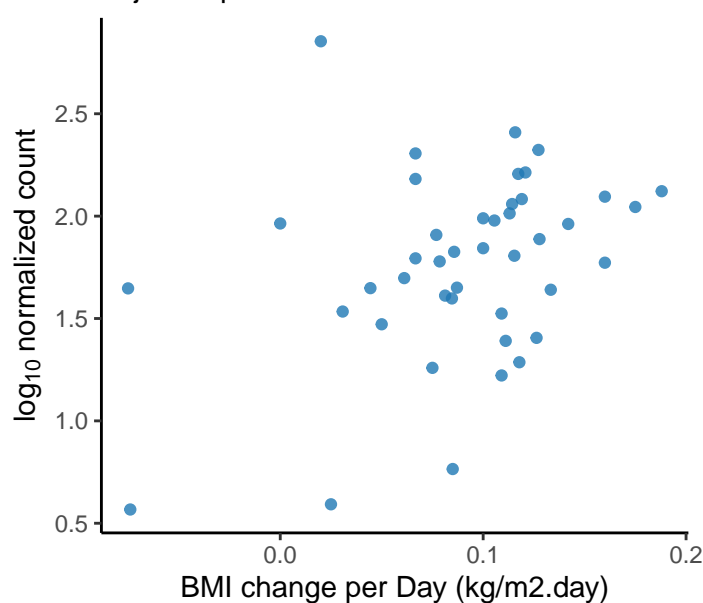
**Unclassified Neisseriales Order**

adjusted p = 0.0796



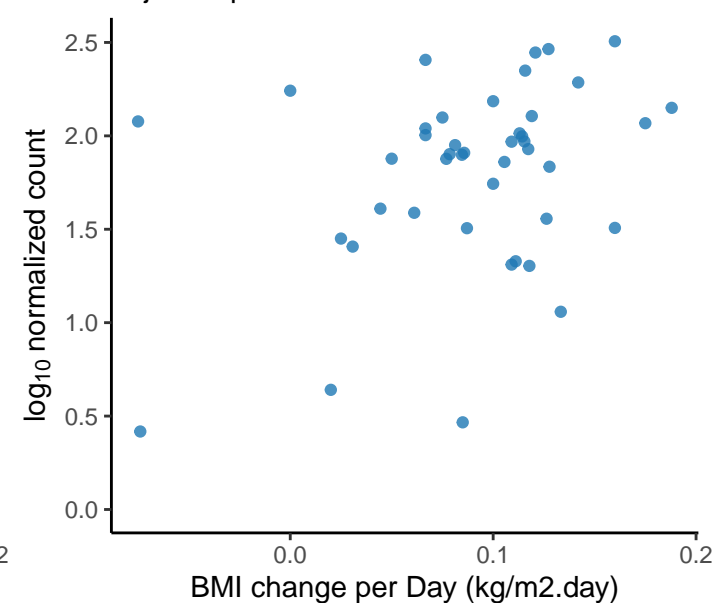
**Dinoroseobacter**

adjusted p = 0.0798



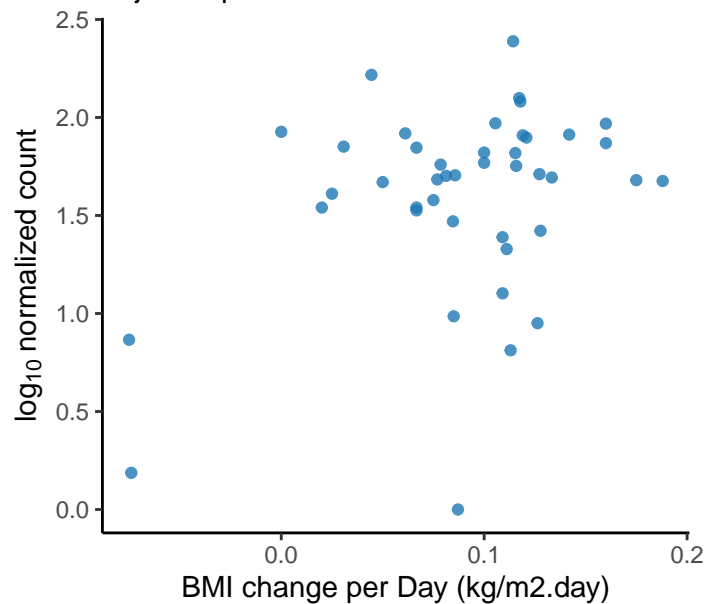
**Casimicrobium**

adjusted p = 0.0808



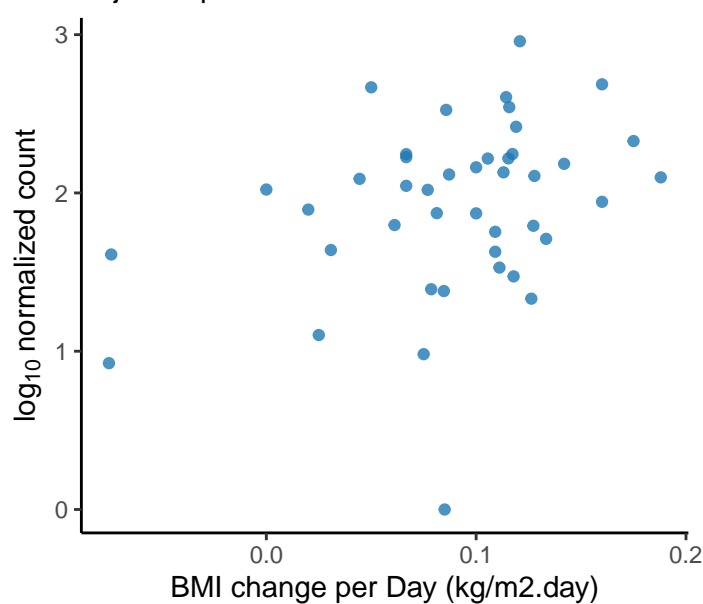
### Grimontia

adjusted p = 0.0809



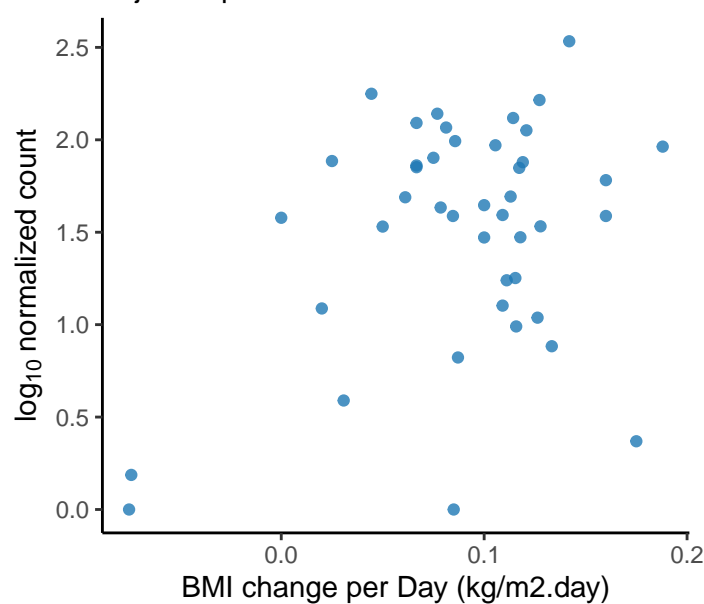
### Actinopolymorpha

adjusted p = 0.0815



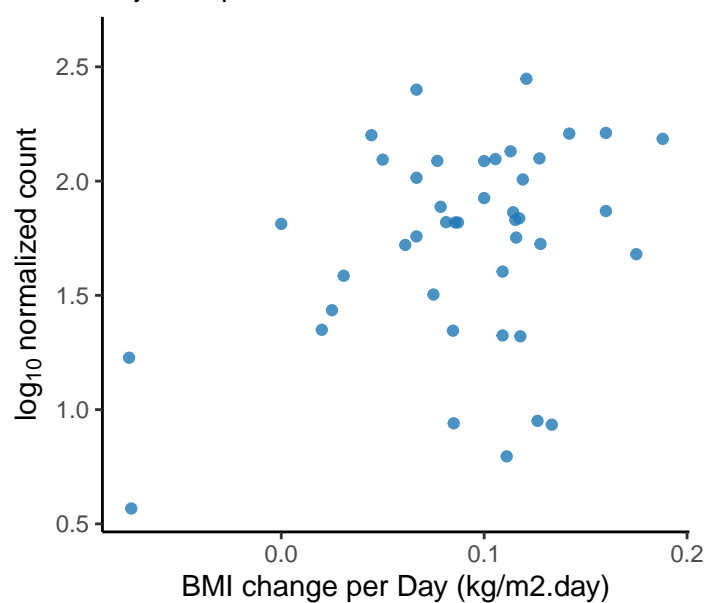
### Unclassified Chlorobiaceae Family

adjusted p = 0.0815



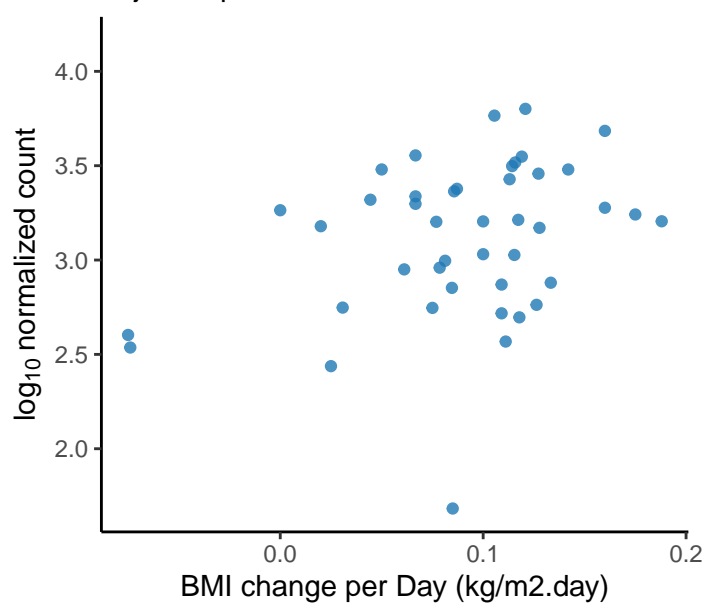
### Pseudovibrio

adjusted p = 0.0821



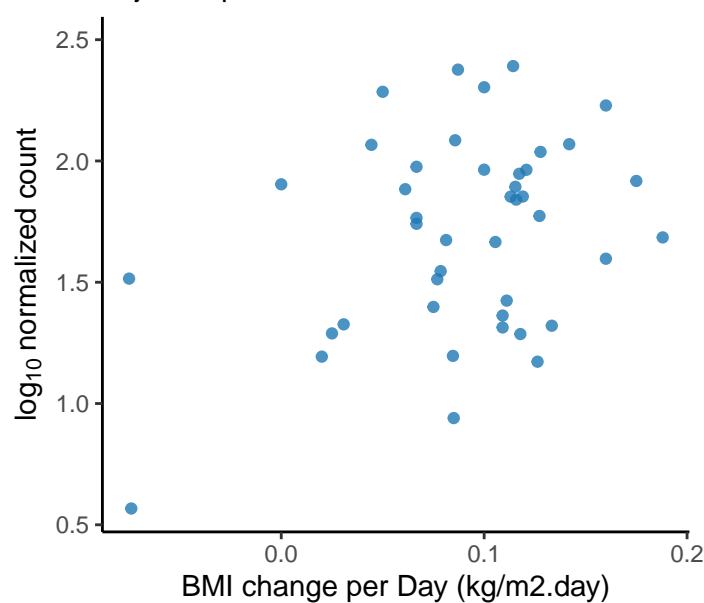
### Xanthomonas

adjusted p = 0.0824



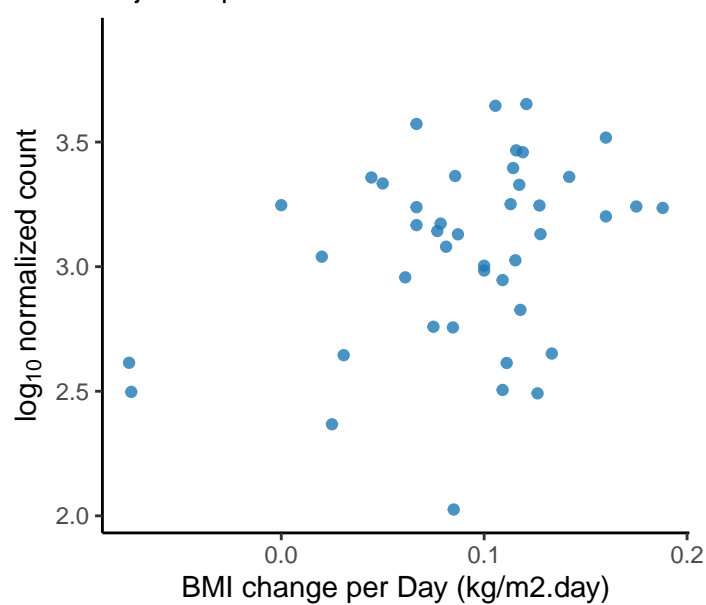
### Chthonomonas

adjusted p = 0.0832



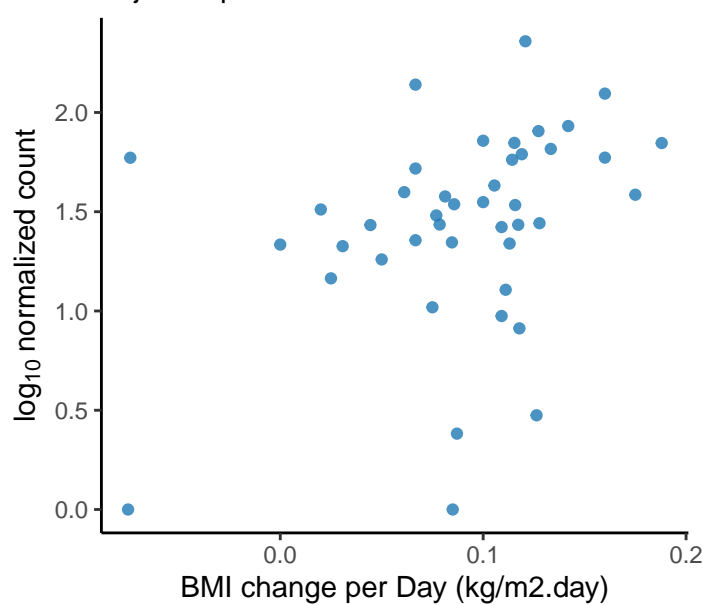
### Unclassified Betaproteobacteria Class

adjusted p = 0.0835



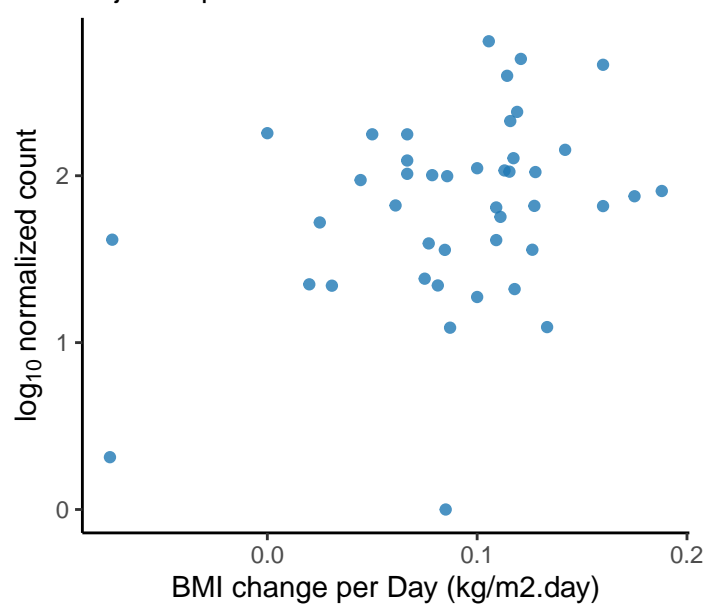
### Congregibacter

adjusted p = 0.084



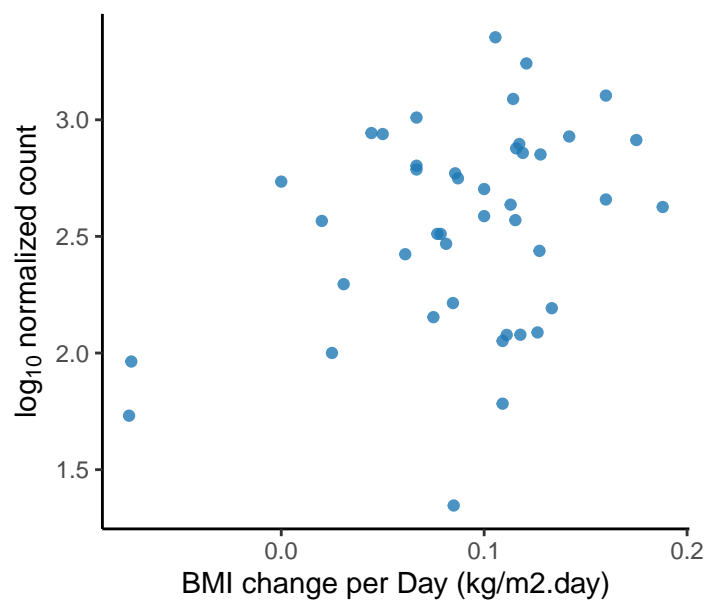
### Pararhodospirillum

adjusted p = 0.084

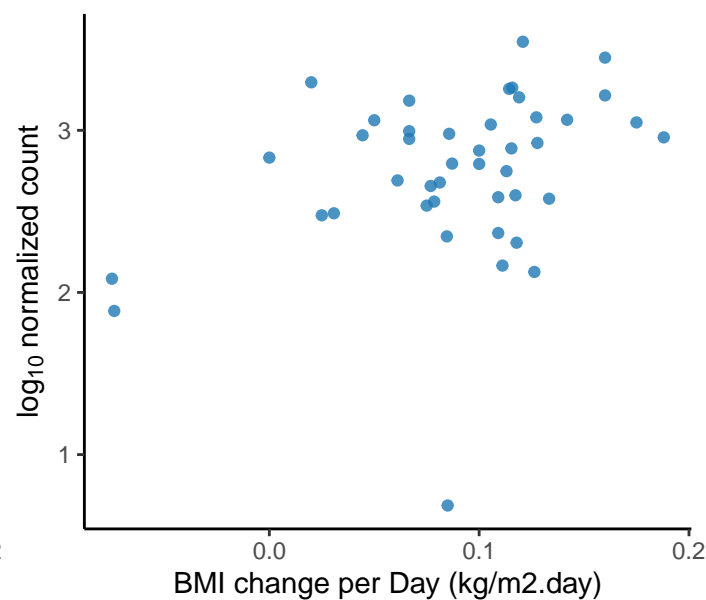


**Roseovarius**

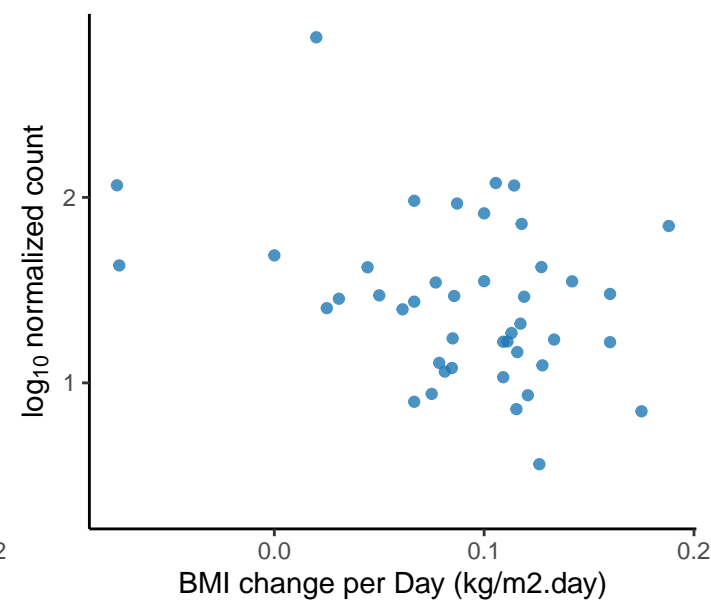
adjusted p = 0.084

**Thermus**

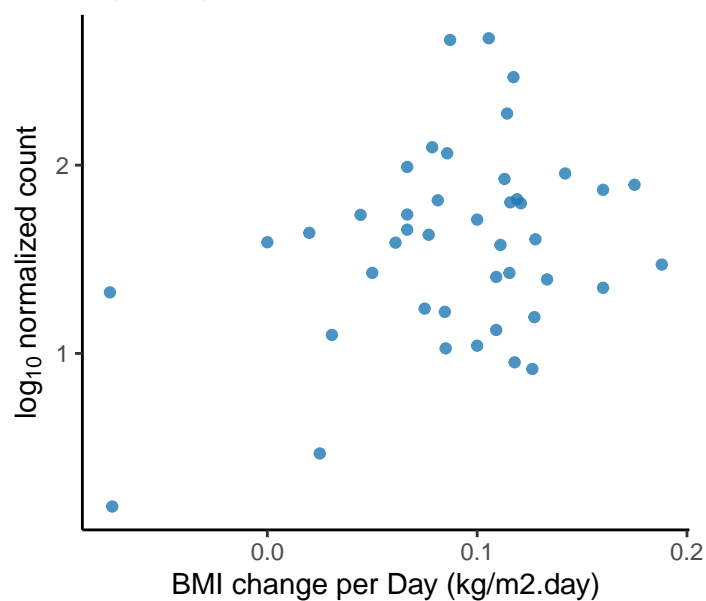
adjusted p = 0.0846

**Trichormus**

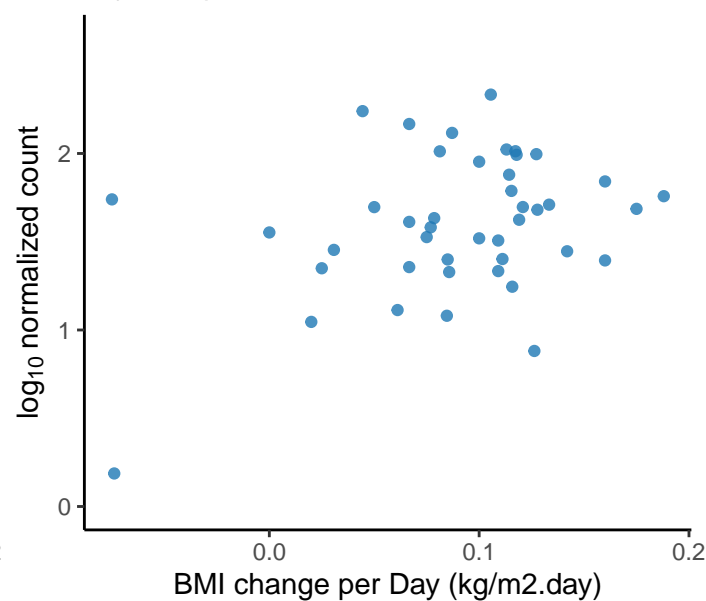
adjusted p = 0.0855

**Permianibacter**

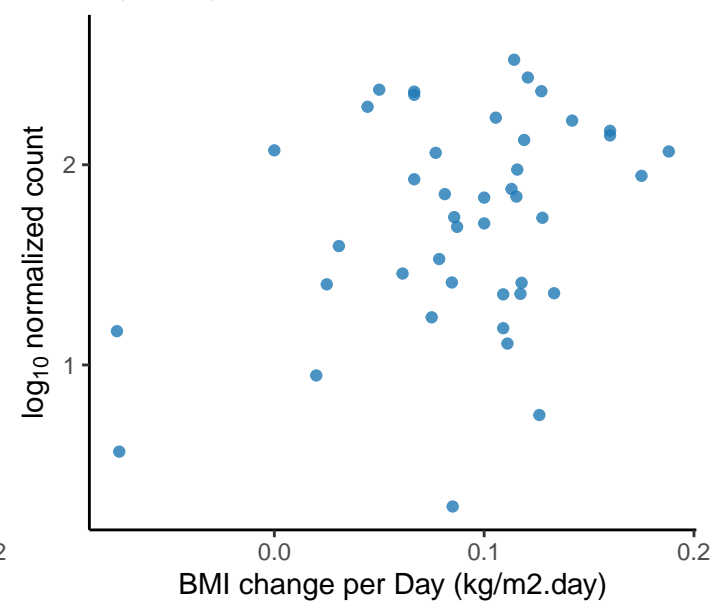
adjusted p = 0.0859

**Limnobaculum**

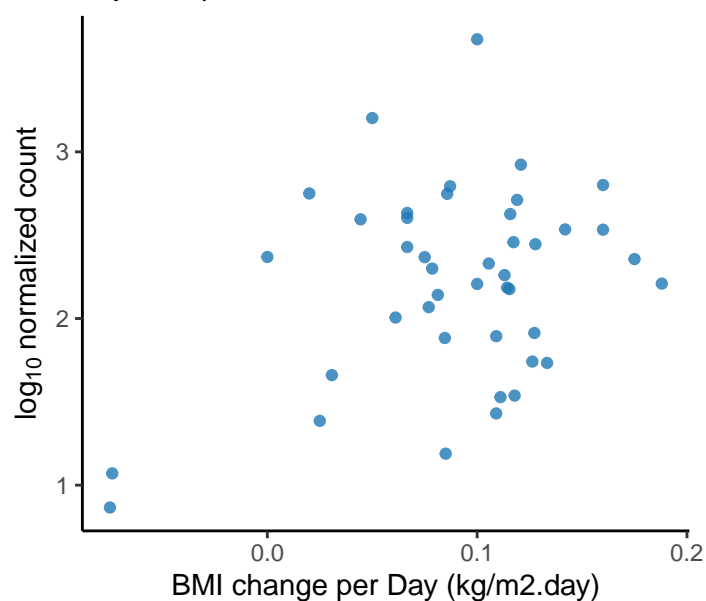
adjusted p = 0.086

**Sinimariniibacterium**

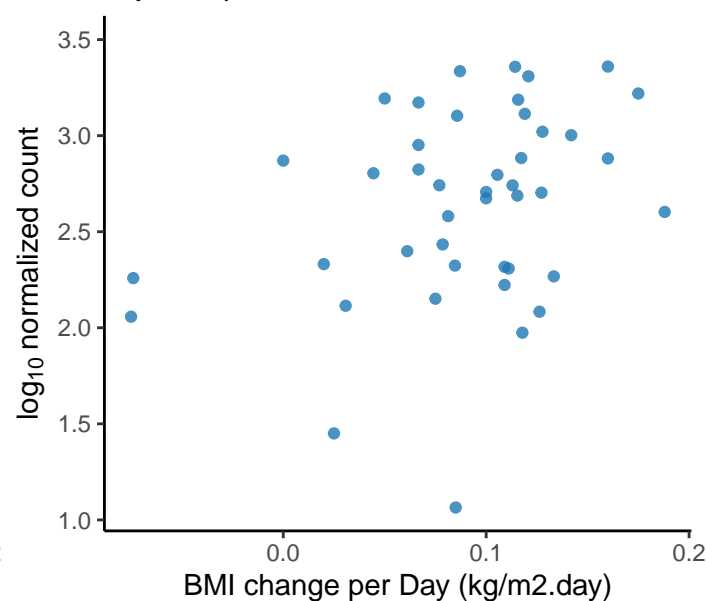
adjusted p = 0.0861

**Haloferax**

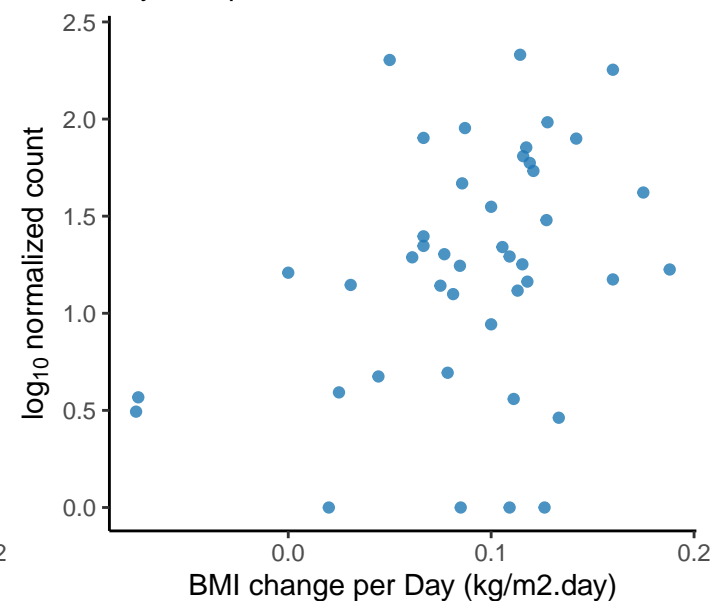
adjusted p = 0.0861

**Anaeromyxobacter**

adjusted p = 0.0862

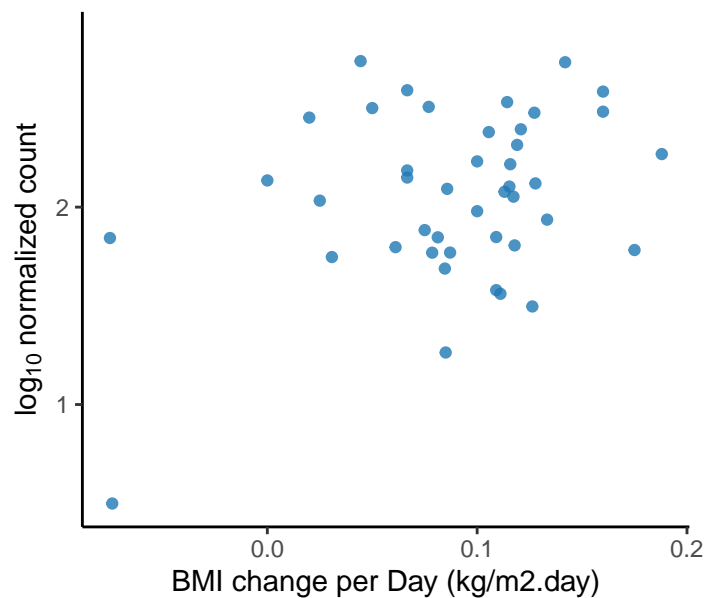
**Cnuibacter**

adjusted p = 0.0862



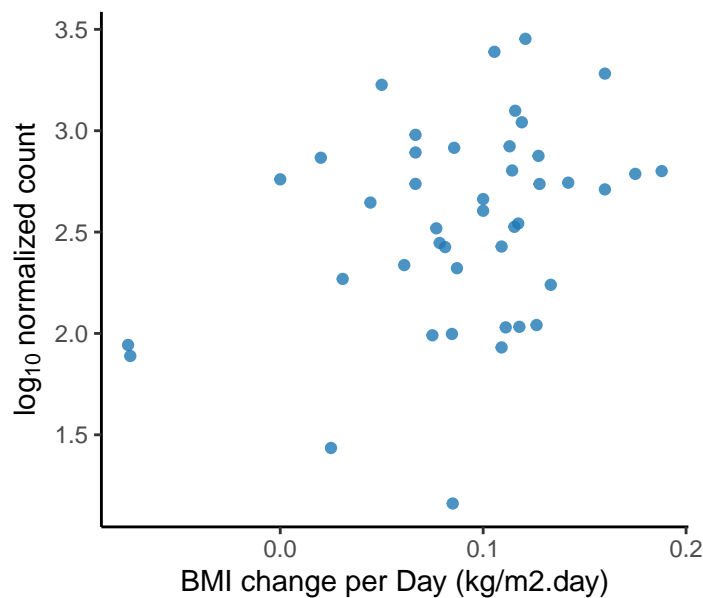
**Desulfobacterium**

adjusted p = 0.0862



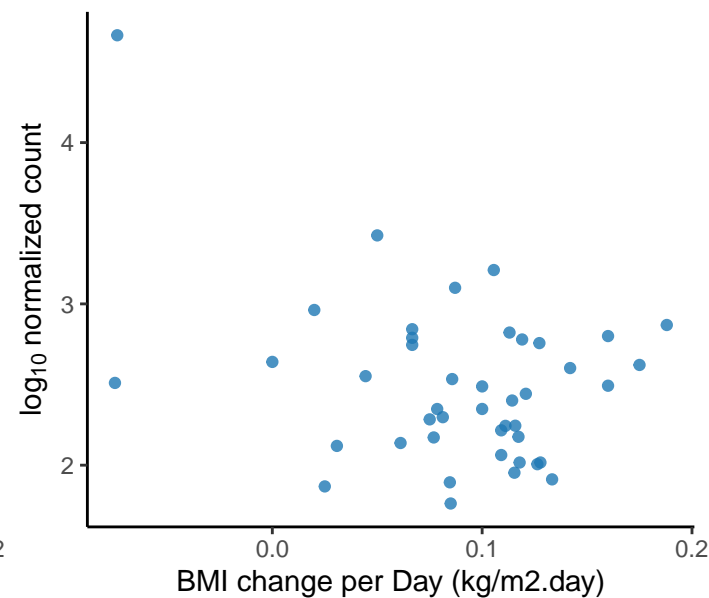
**Kitasatospora**

adjusted p = 0.087



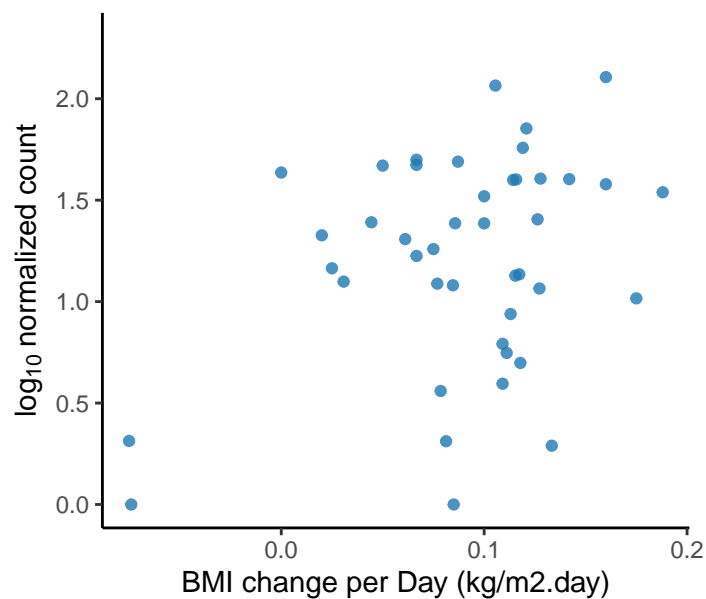
**Atopobium**

adjusted p = 0.0877



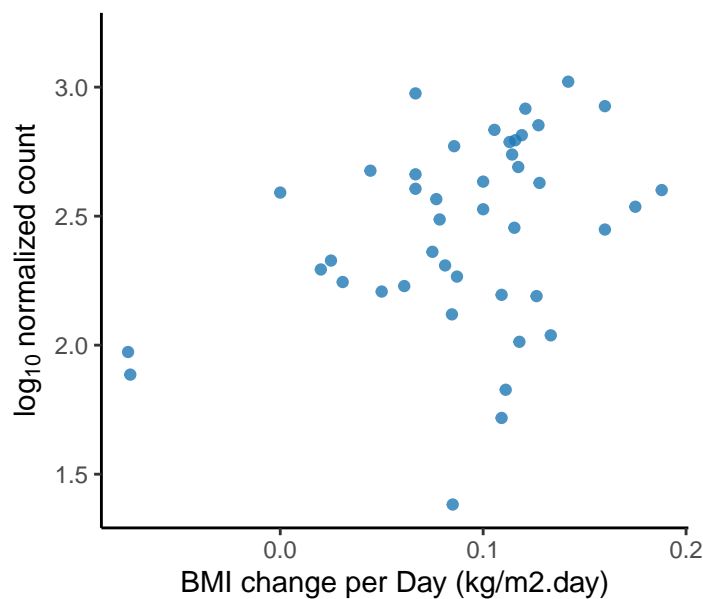
**Marivivens**

adjusted p = 0.0877



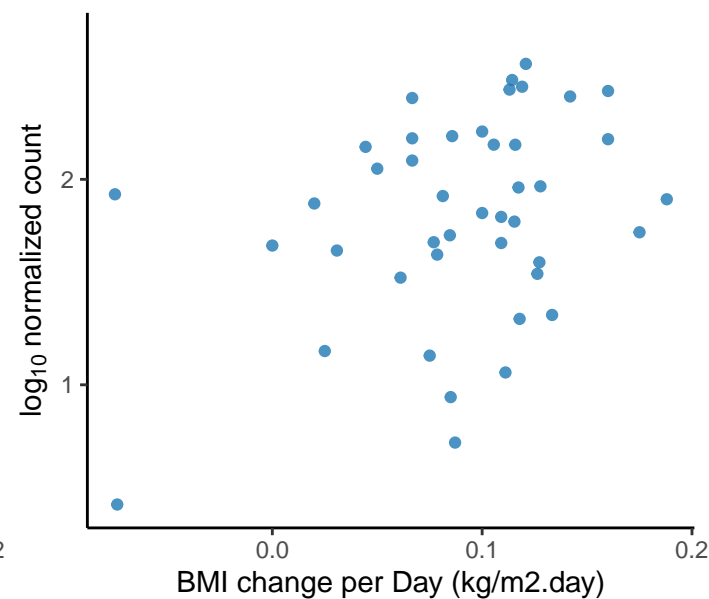
**Terriglobus**

adjusted p = 0.0881



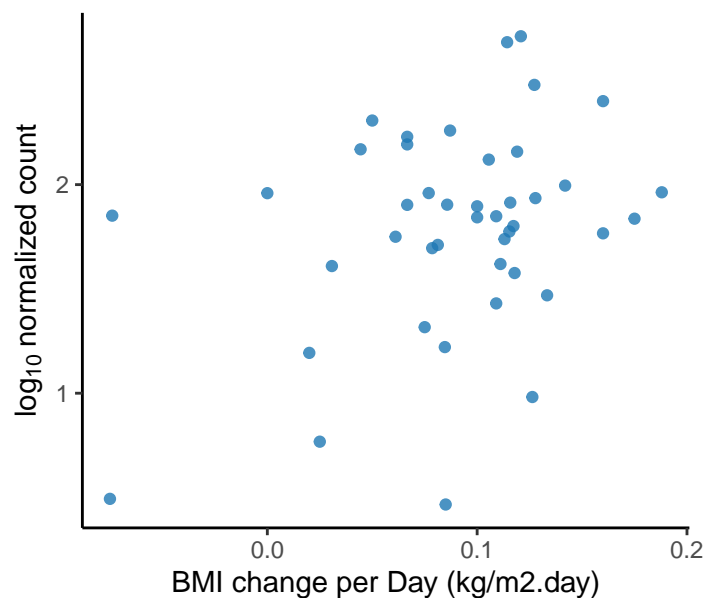
**Aquabacterium**

adjusted p = 0.0882



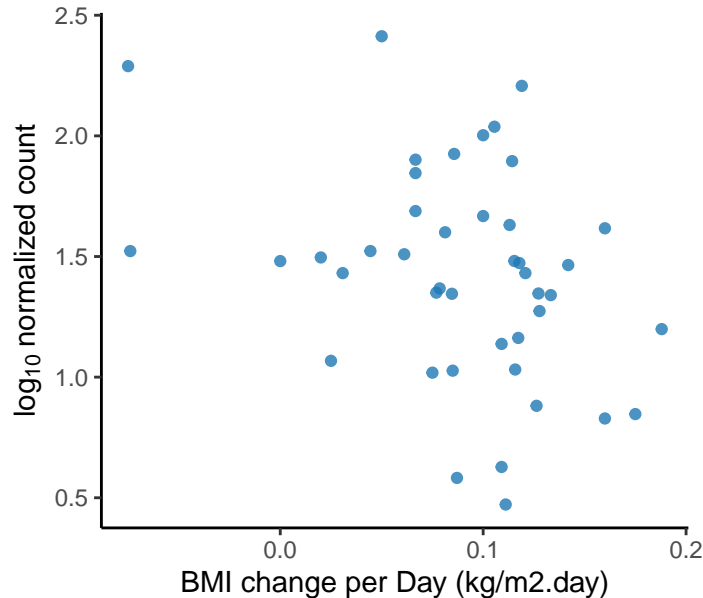
**Inhella**

adjusted p = 0.0882



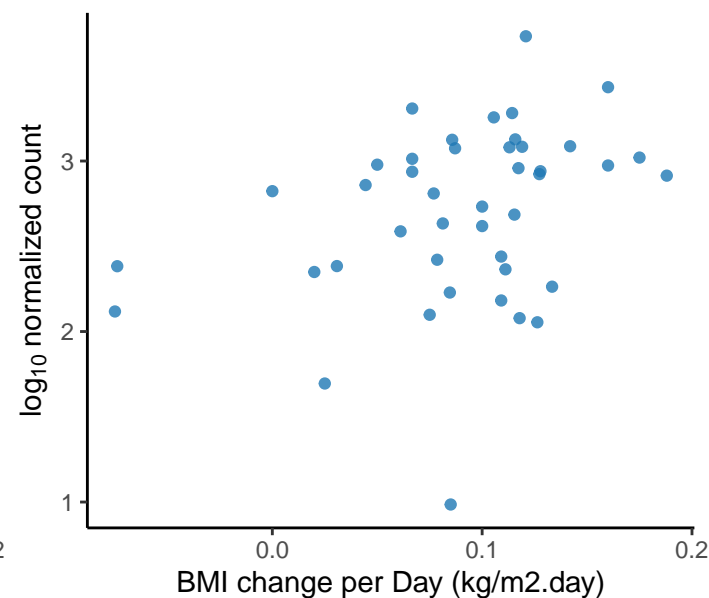
**Agarilytica**

adjusted p = 0.0883



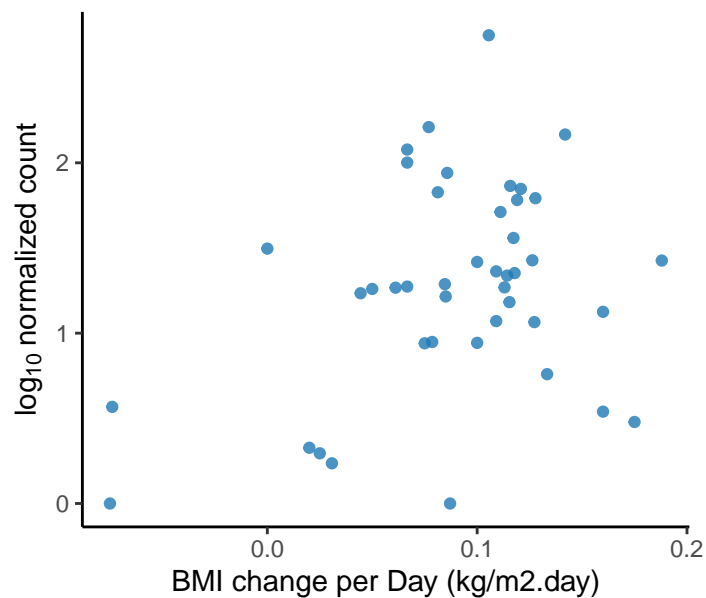
**Kocuria**

adjusted p = 0.0883



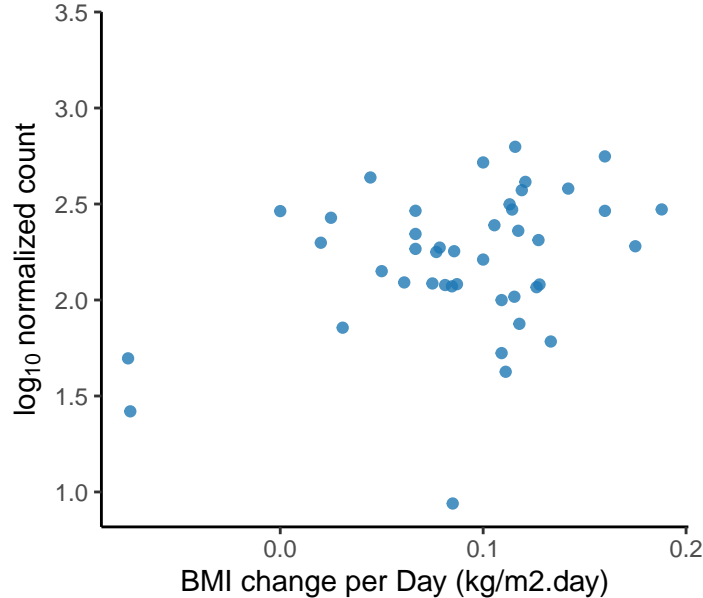
### Dichelobacter

adjusted p = 0.0883



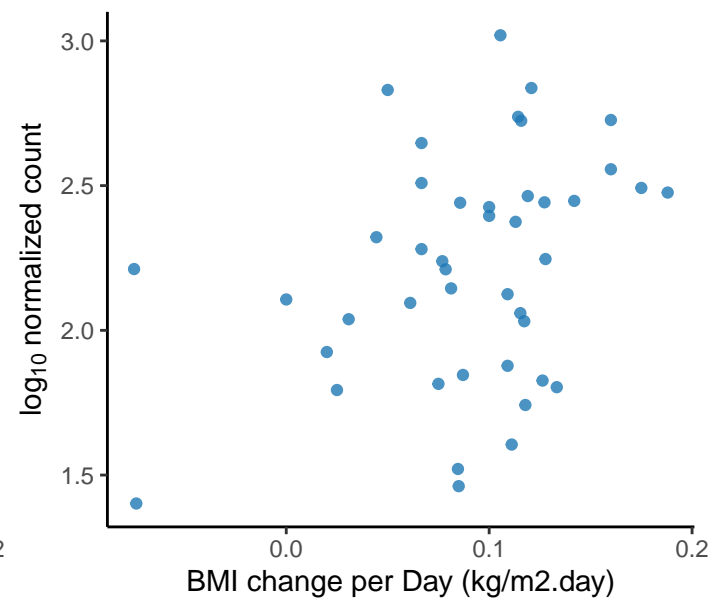
### Granulibacter

adjusted p = 0.0885



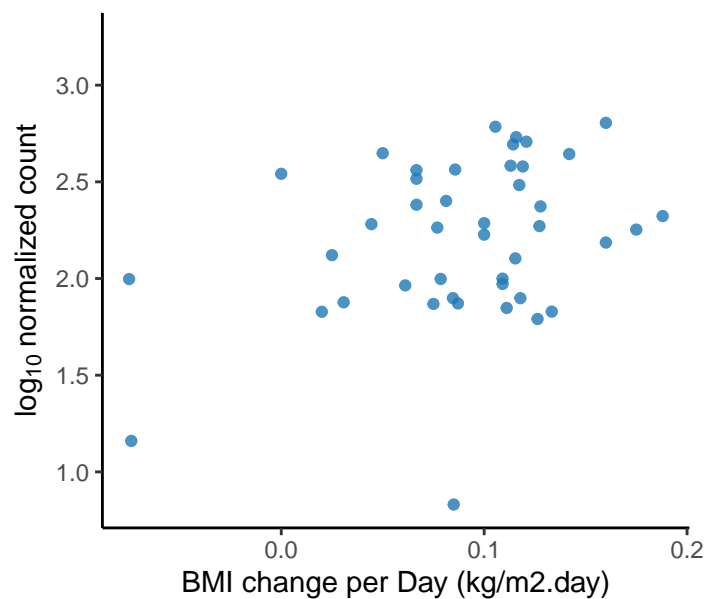
### Halioglobus

adjusted p = 0.0885



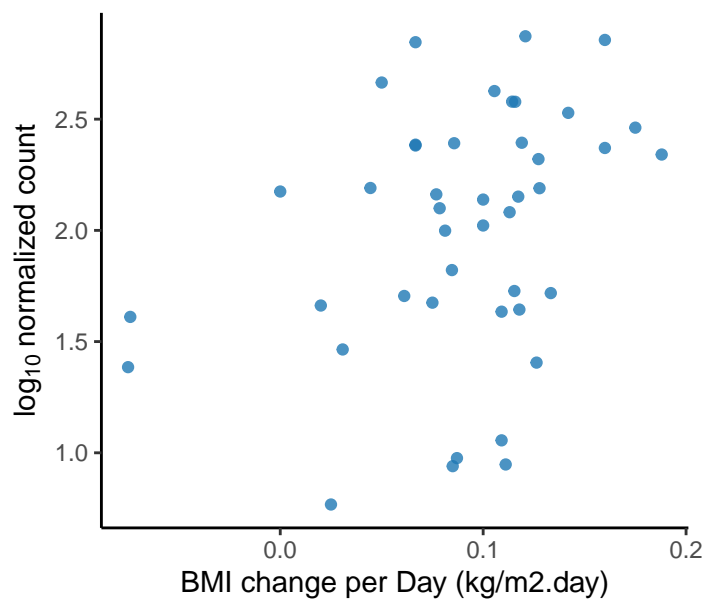
### Nitratireductor

adjusted p = 0.0887



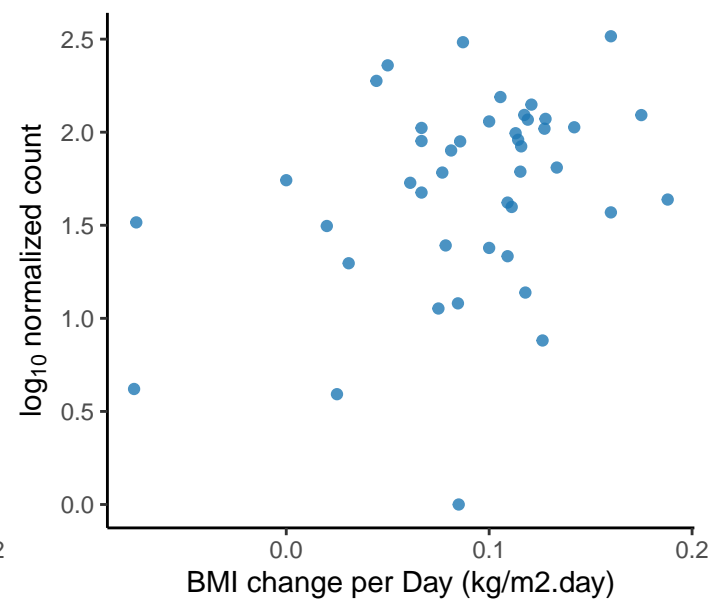
### Sphaerotilus

adjusted p = 0.0888



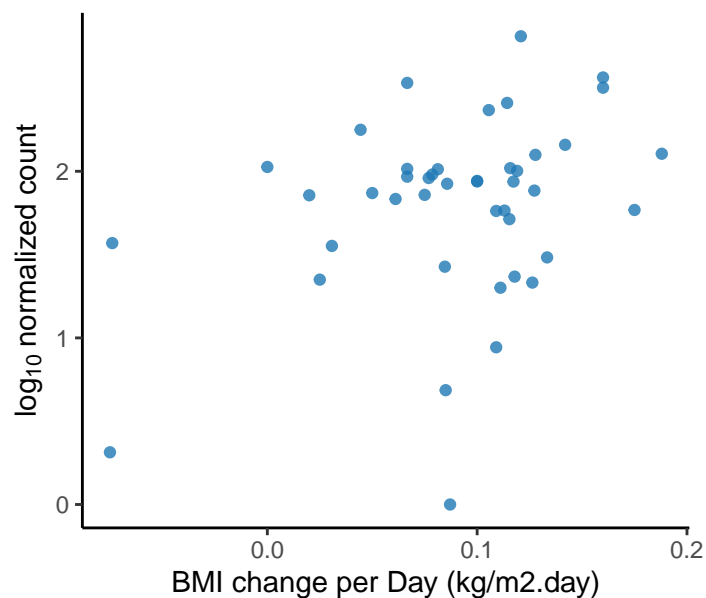
### Confluentimicrobium

adjusted p = 0.0888



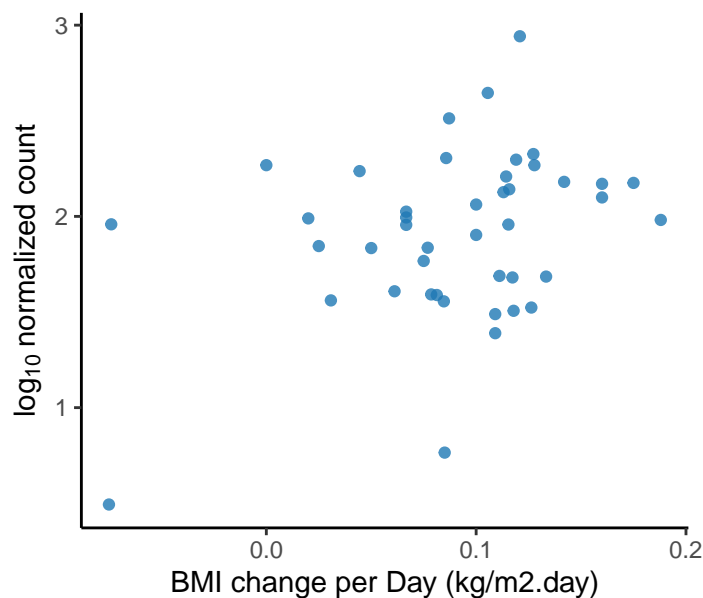
### Kineobactrum

adjusted p = 0.0888



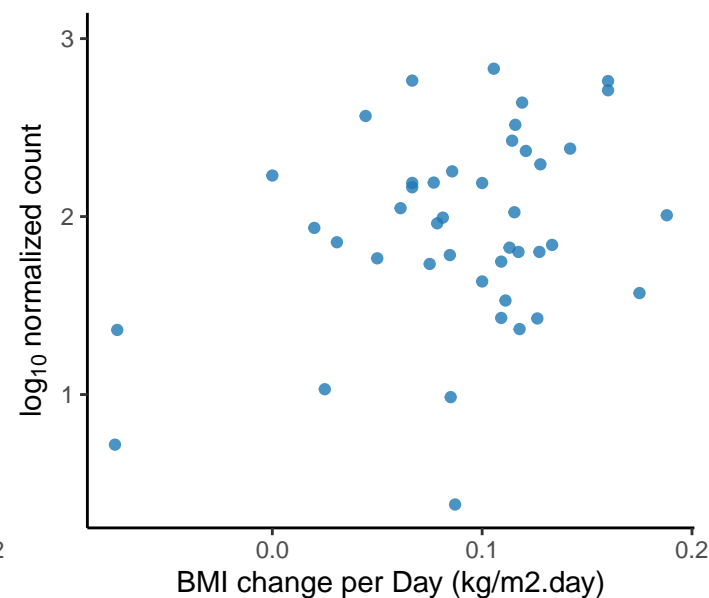
### Fimbriimonas

adjusted p = 0.0889



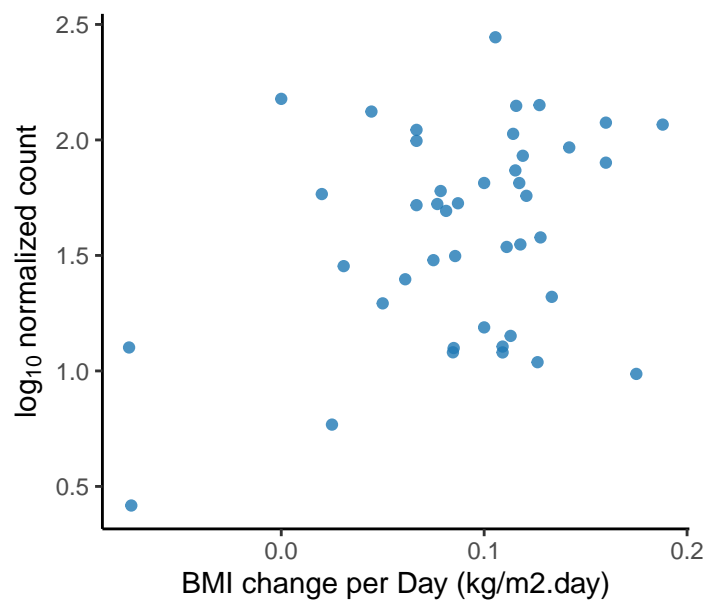
### Ereboglobus

adjusted p = 0.0905

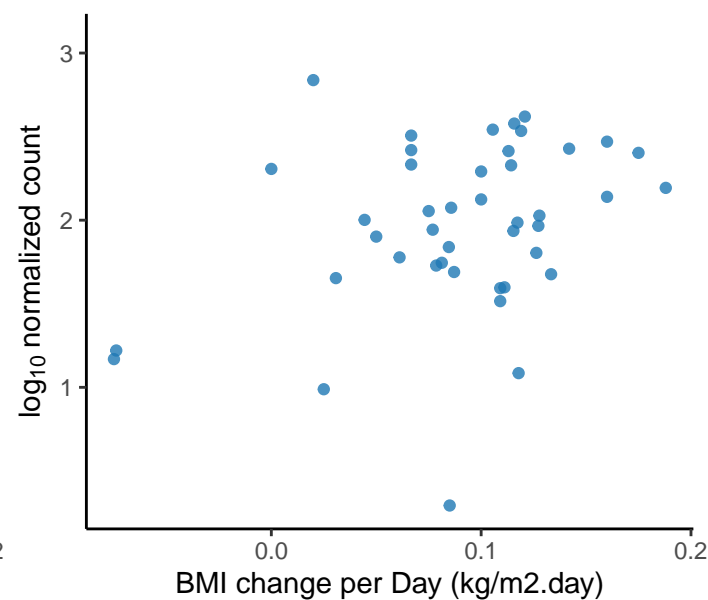


**Iodobacter**

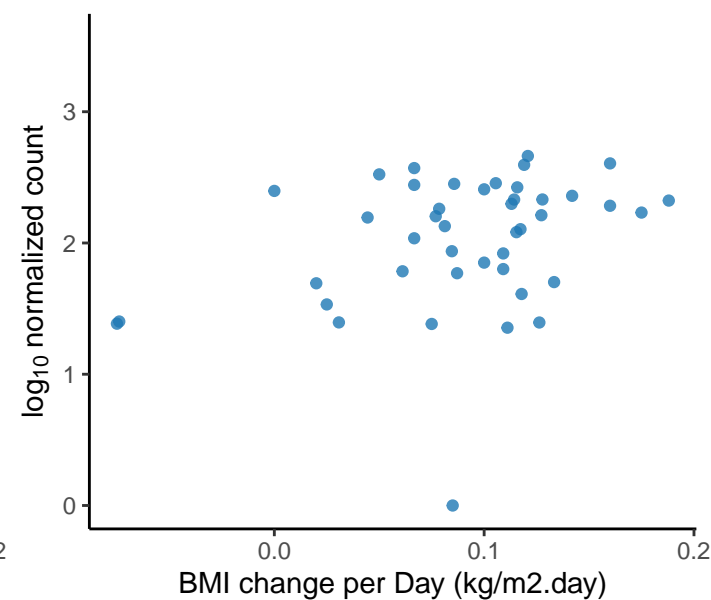
adjusted p = 0.0905

**Ruania**

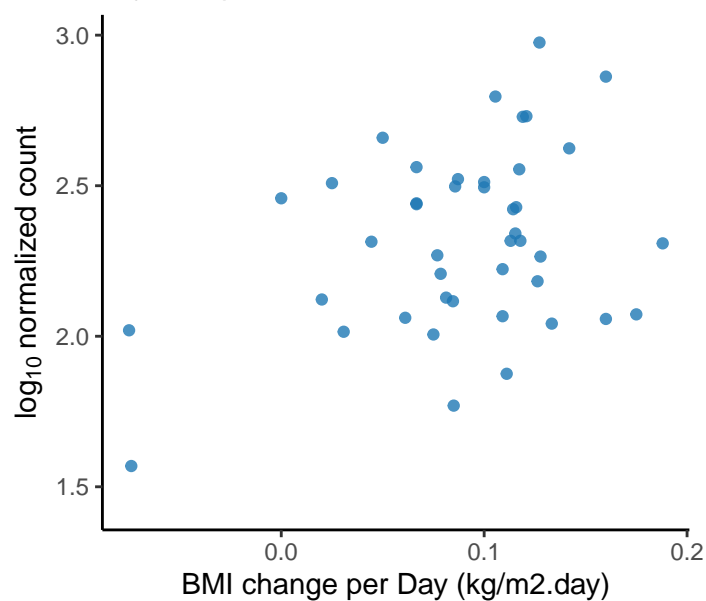
adjusted p = 0.0905

**Vulgatibacter**

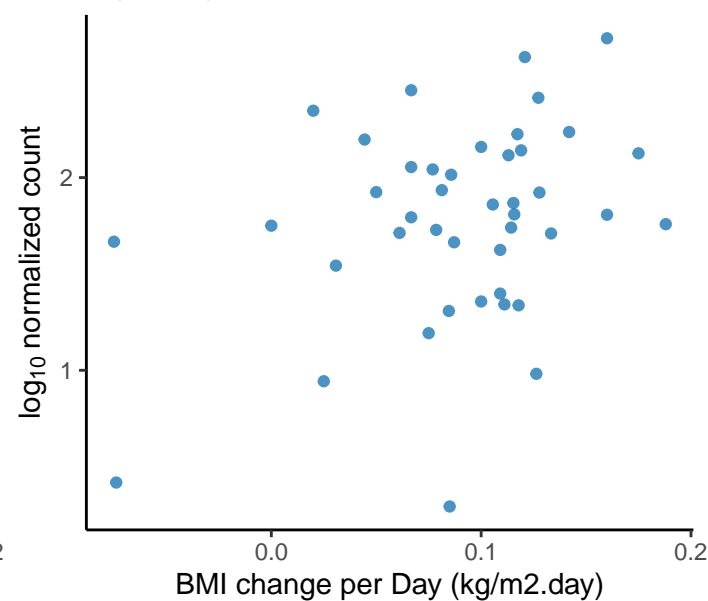
adjusted p = 0.0905

**Aspergillus**

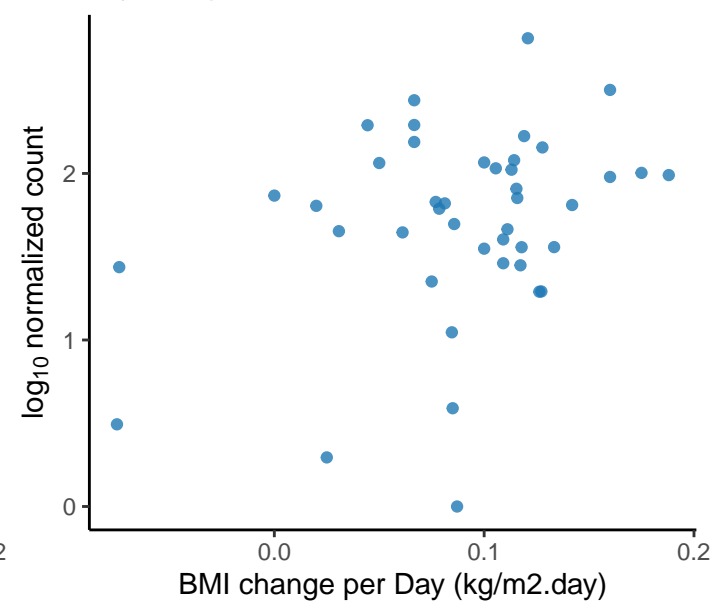
adjusted p = 0.0906

**Chitinolyticbacter**

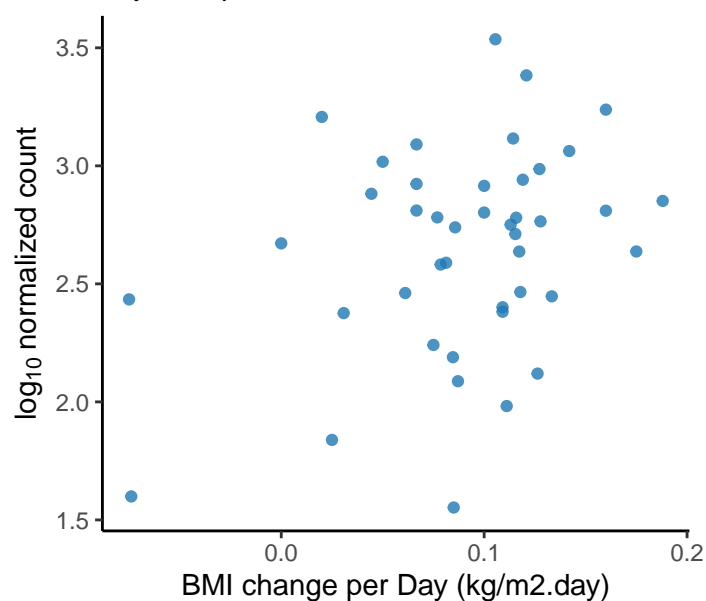
adjusted p = 0.0906

**Haematobacter**

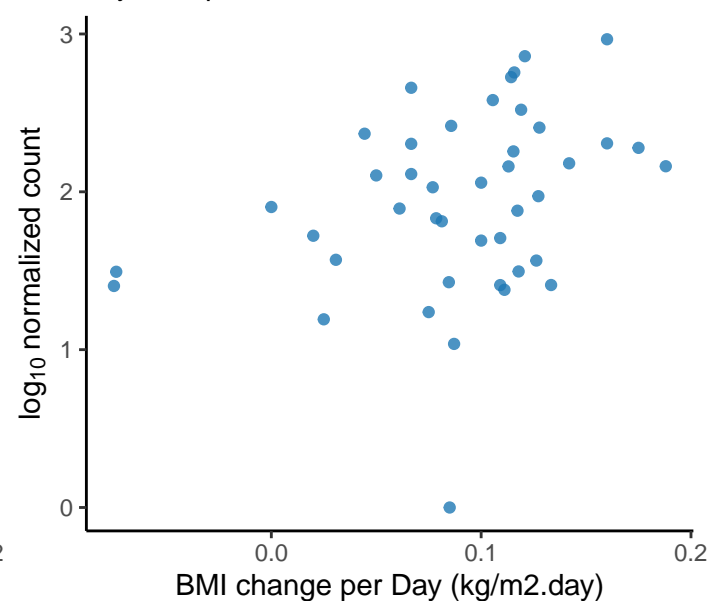
adjusted p = 0.0906

**Moorella**

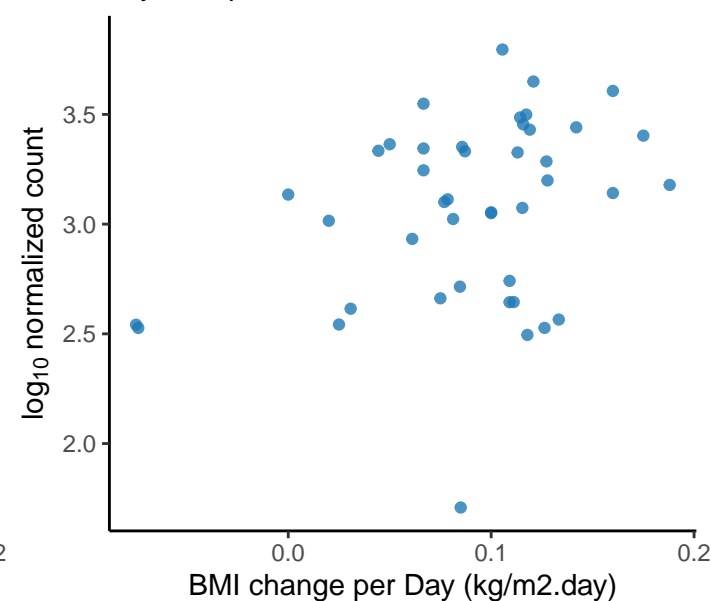
adjusted p = 0.0906

**Unclassified Myxococcaceae Family**

adjusted p = 0.0906

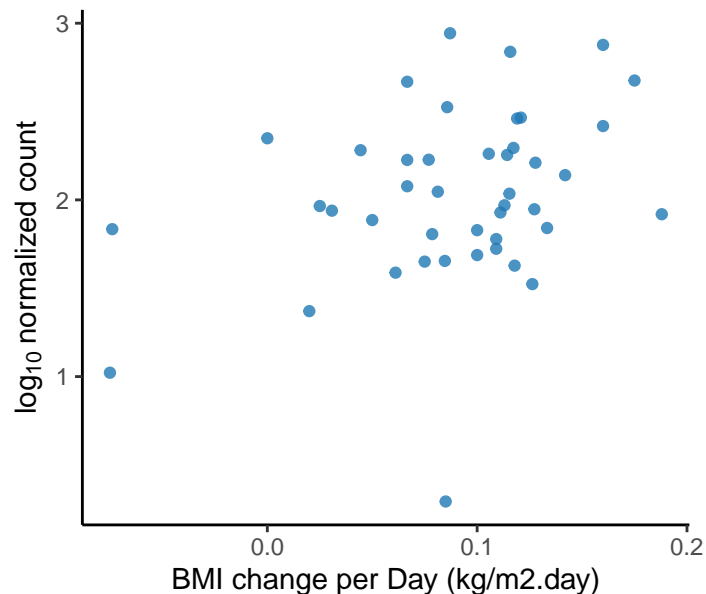
**Unclassified Rhizobiales Order**

adjusted p = 0.091



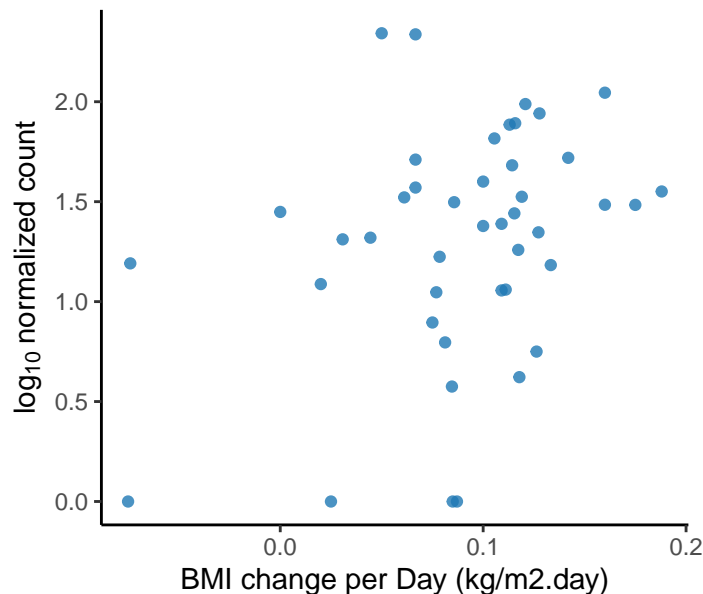
### Frondihabitans

adjusted p = 0.0918



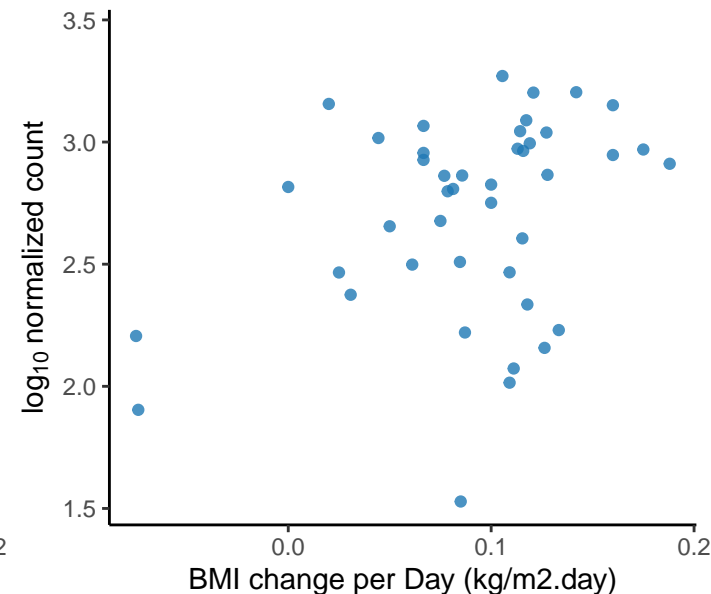
### Unclassified Deinococci Class

adjusted p = 0.0918



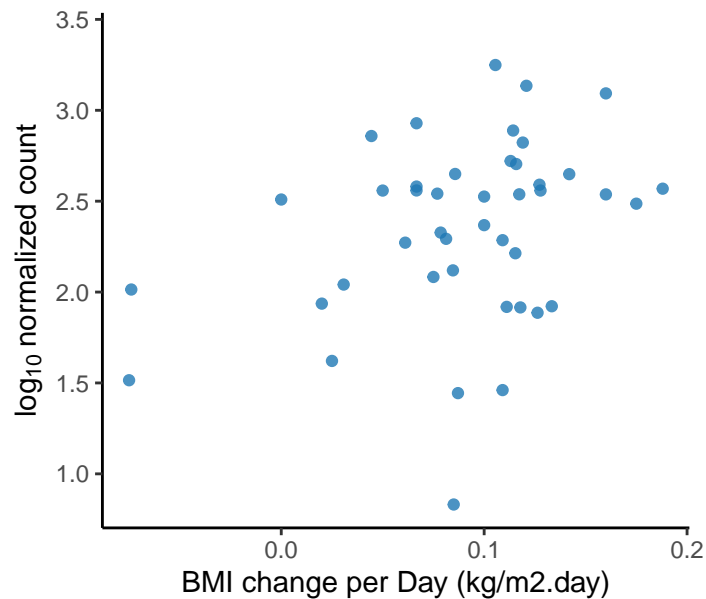
### Sulfitobacter

adjusted p = 0.0919



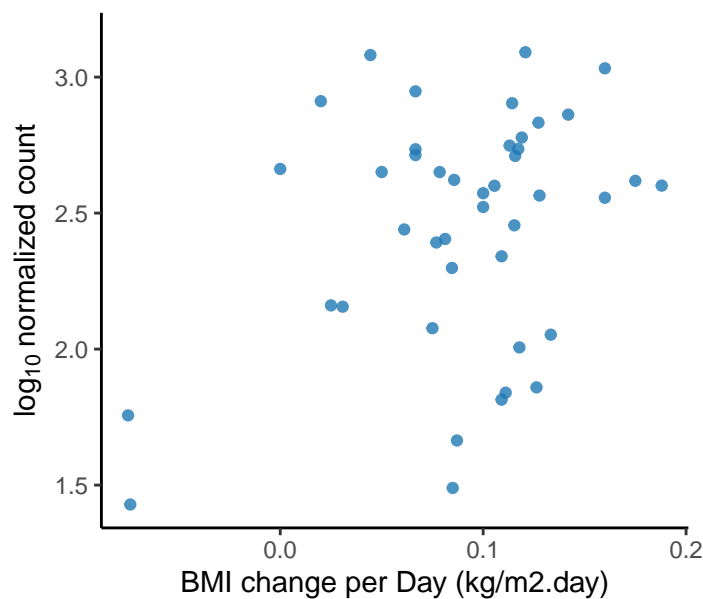
### Thiomonas

adjusted p = 0.0919



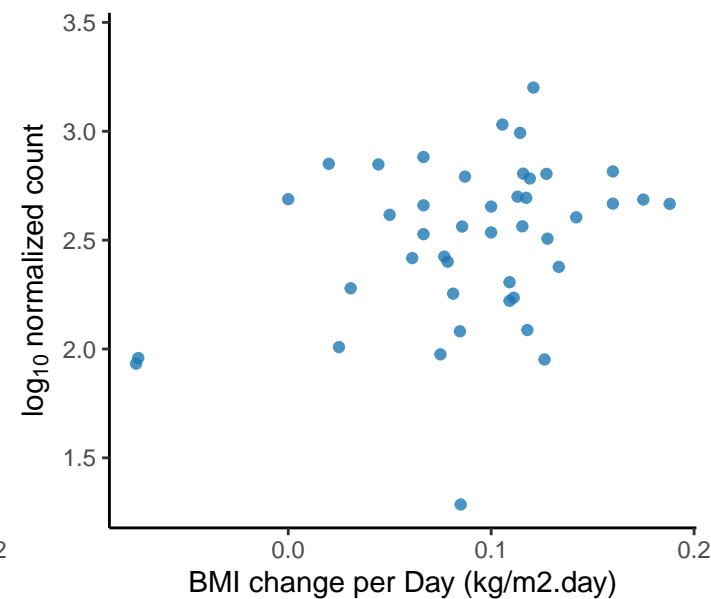
### Aquitalea

adjusted p = 0.0922



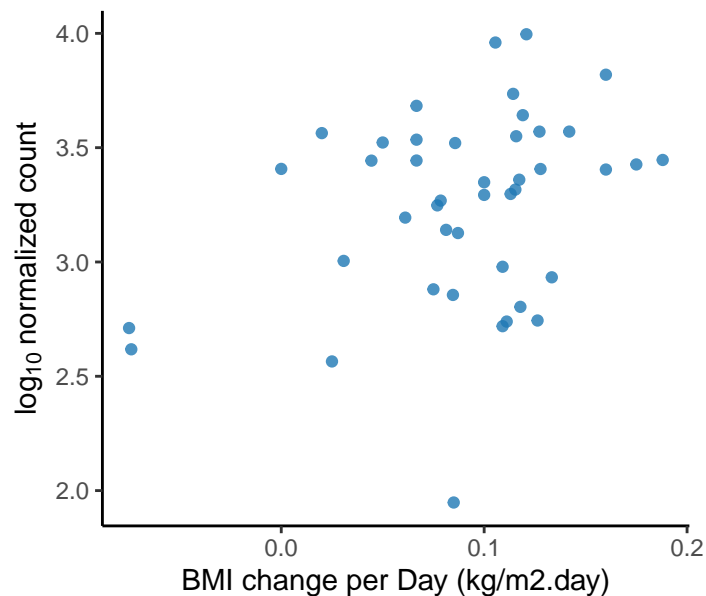
### Collimonas

adjusted p = 0.0922



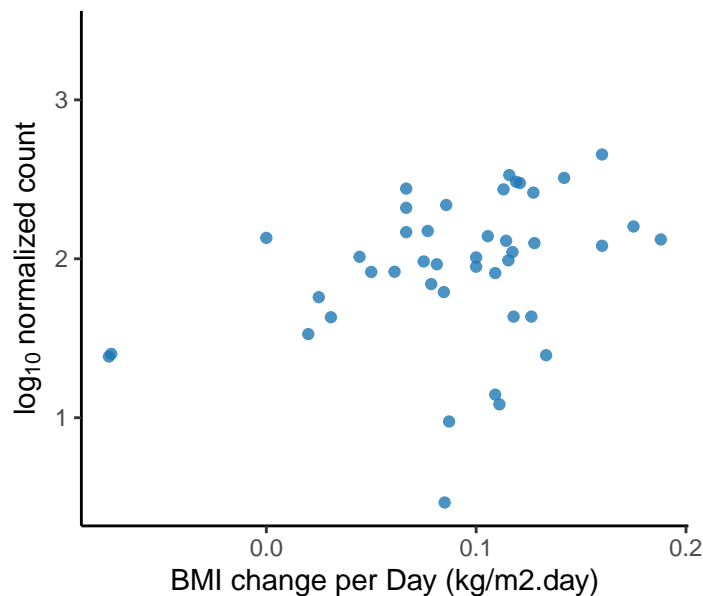
### Geobacter

adjusted p = 0.0922



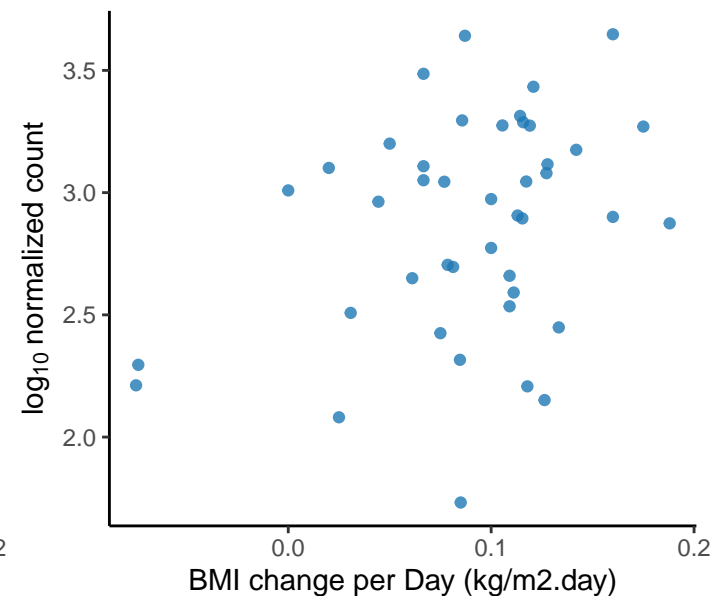
### Orrella

adjusted p = 0.0922



### Sorangium

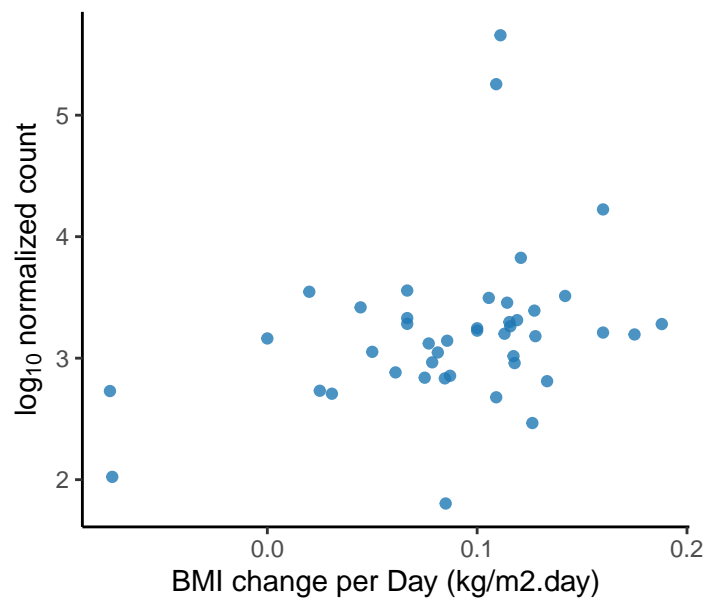
adjusted p = 0.0931





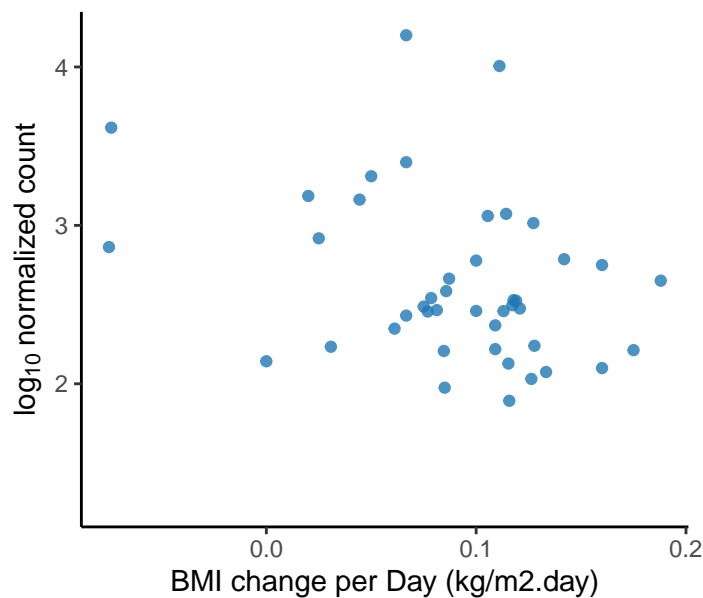
**Acidaminococcus**

adjusted p = 0.0935



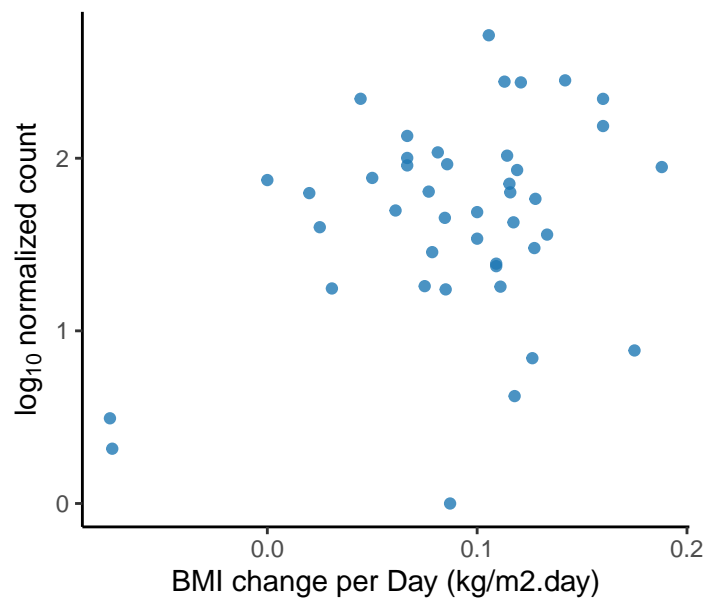
**Parvimonas**

adjusted p = 0.0935



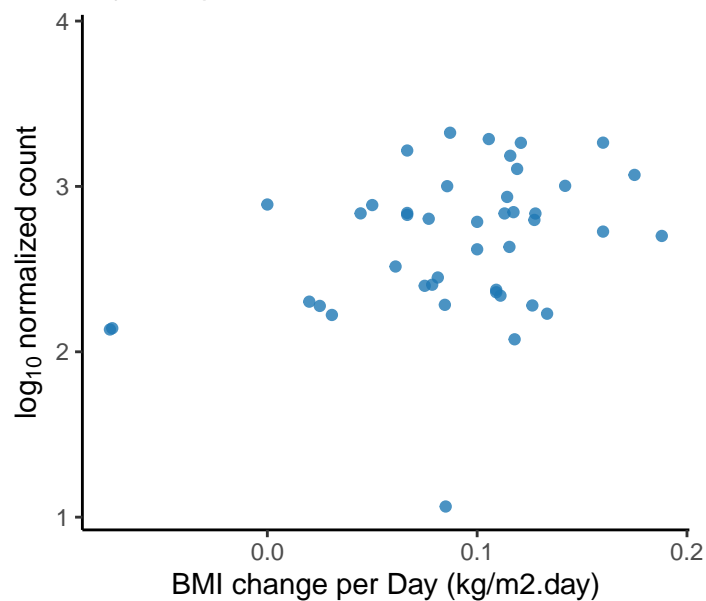
**Gallaecimonas**

adjusted p = 0.0937



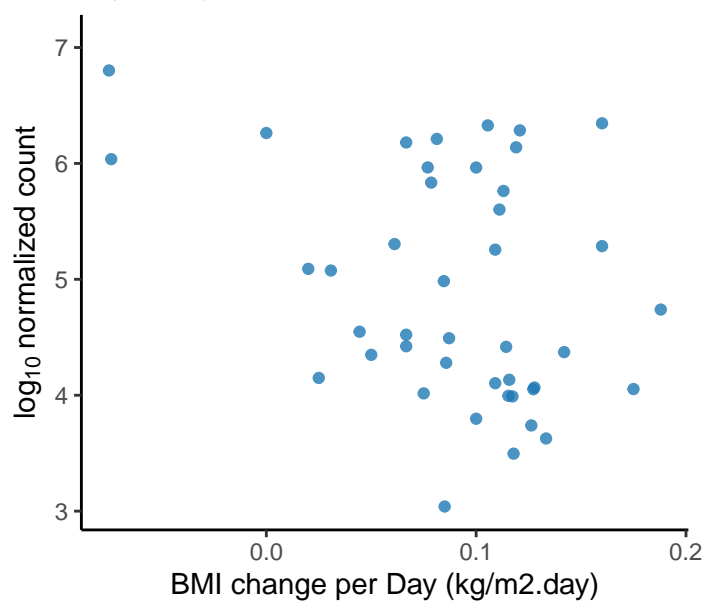
**Unclassified Microbacteriaceae Family**

adjusted p = 0.0946



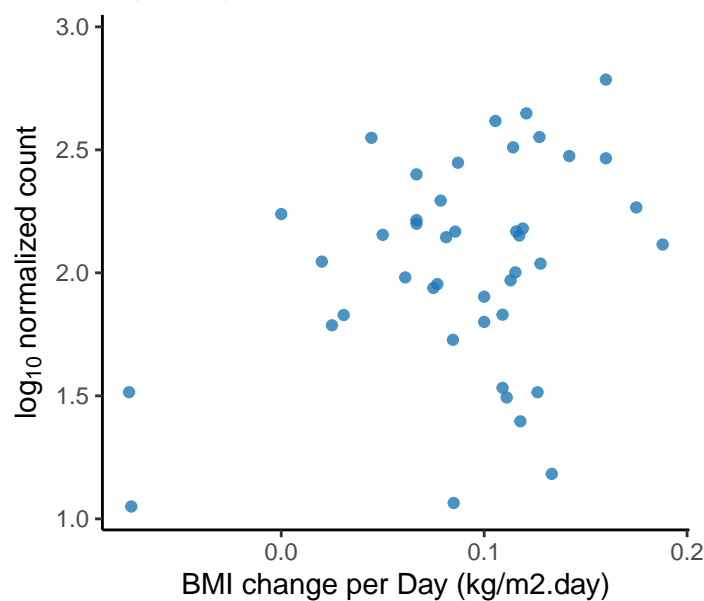
**Bifidobacterium**

adjusted p = 0.0946



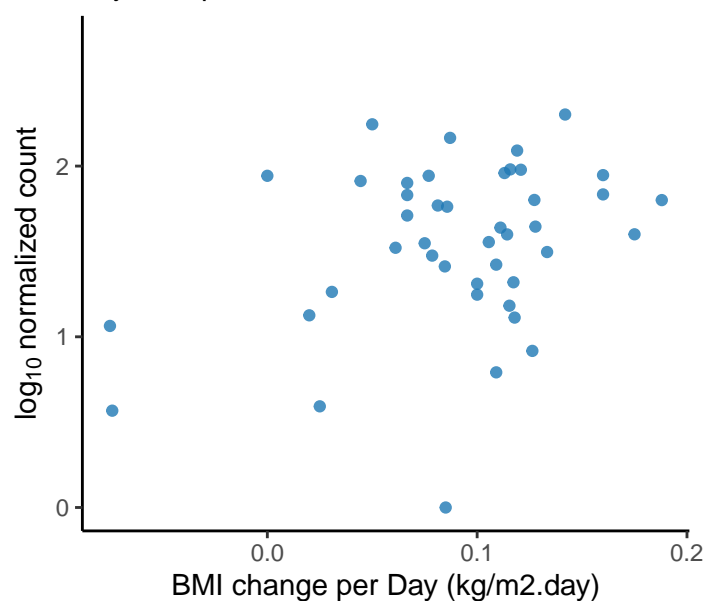
**Cardiobacterium**

adjusted p = 0.0946



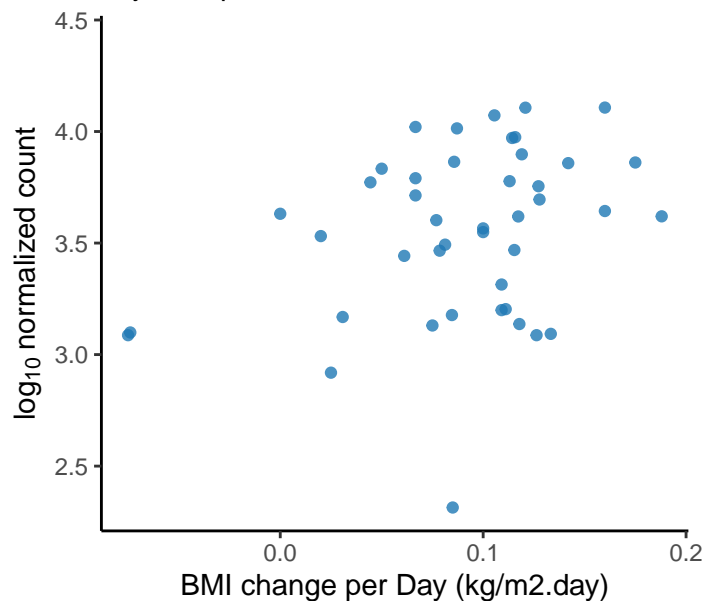
**Diaminobutyricimonas**

adjusted p = 0.0946



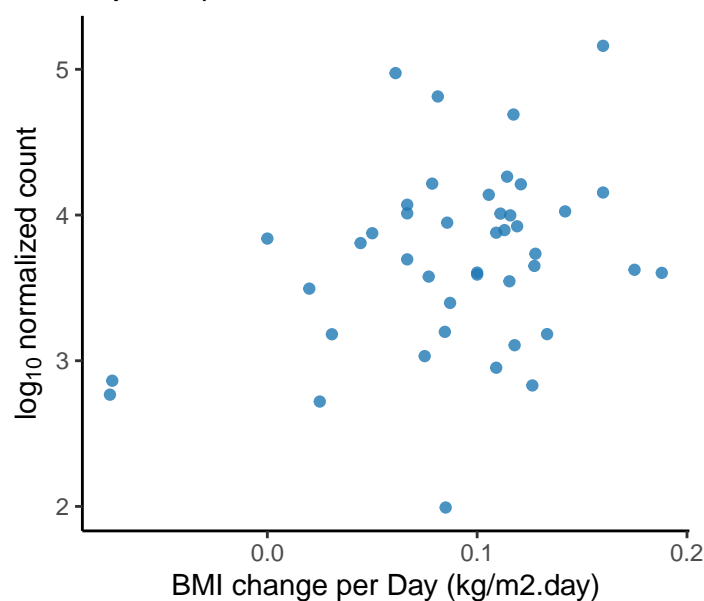
**Burkholderia**

adjusted p = 0.0954



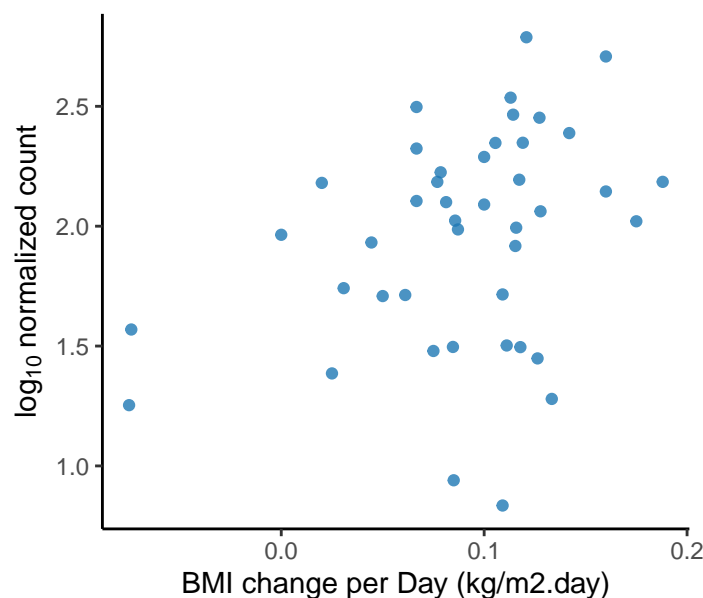
**Desulfovibrio**

adjusted p = 0.0956

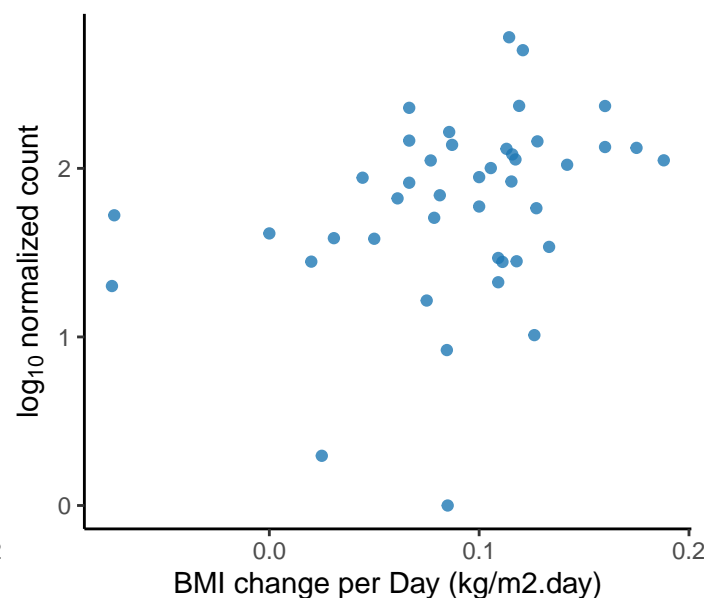


**Halothiobacillus**

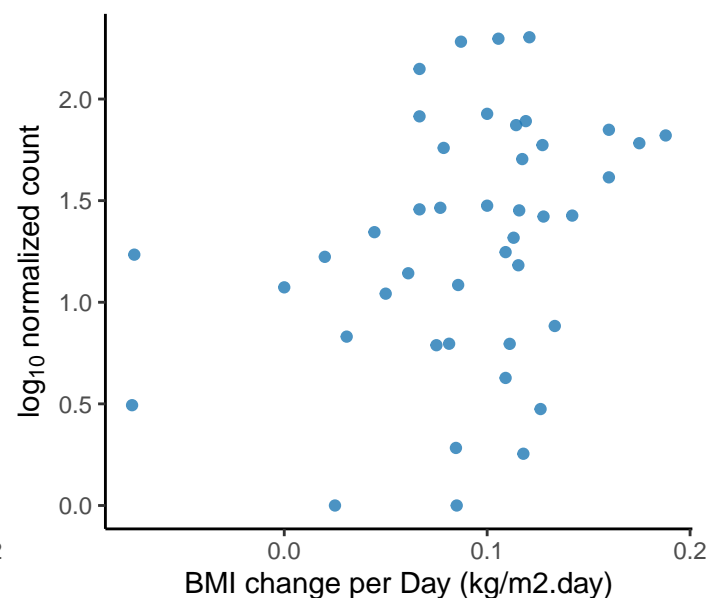
adjusted p = 0.0956

**Sagittula**

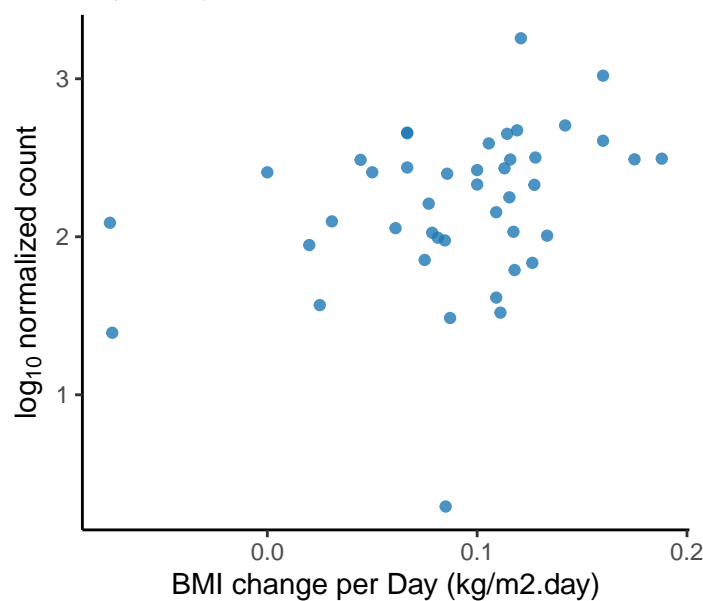
adjusted p = 0.0956

**Unclassified Nocardiaceae Family**

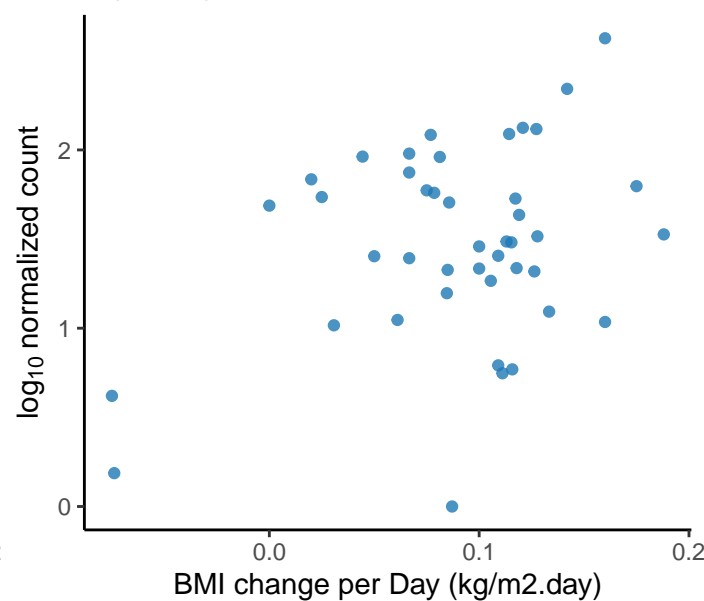
adjusted p = 0.0962

**Meiothermus**

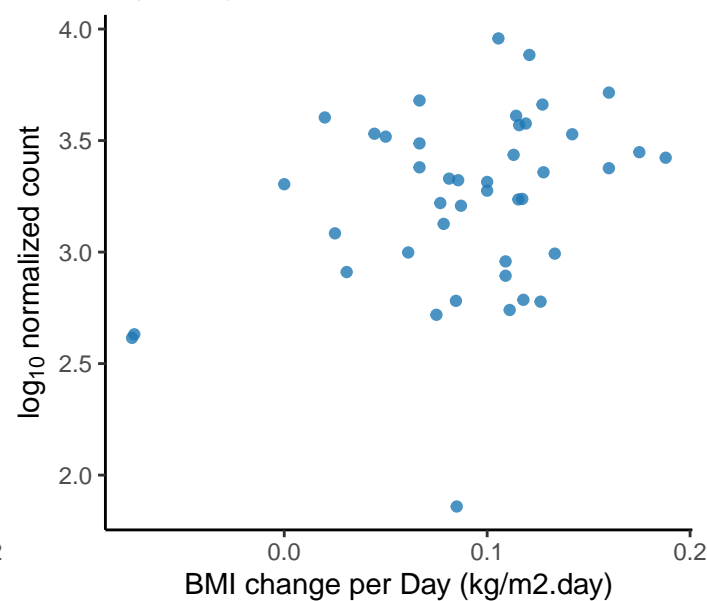
adjusted p = 0.0975

**Methanohalobium**

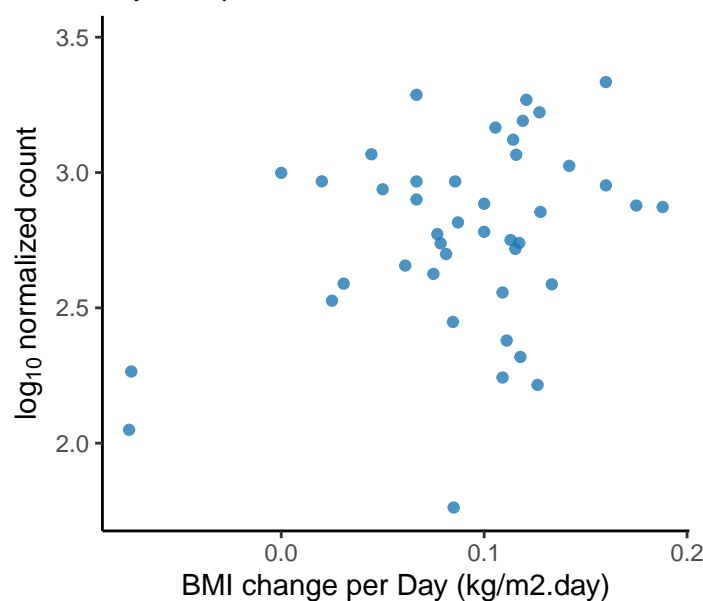
adjusted p = 0.0975

**Aeromonas**

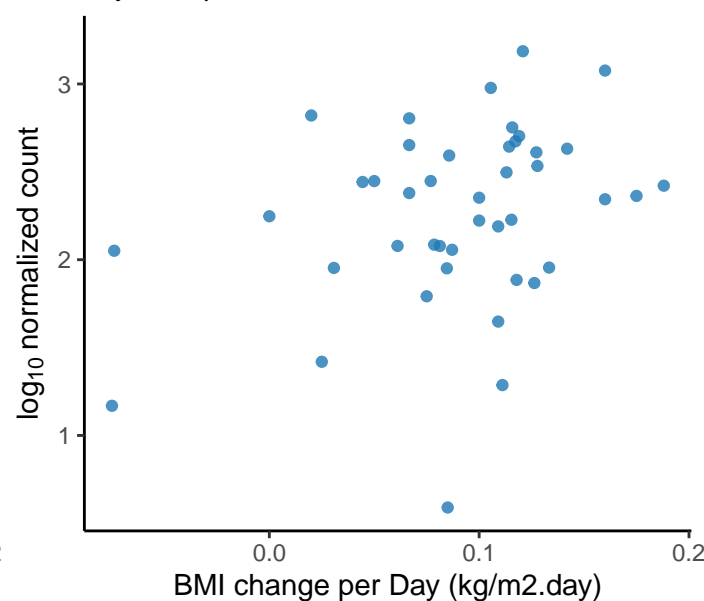
adjusted p = 0.0978

**Janthinobacterium**

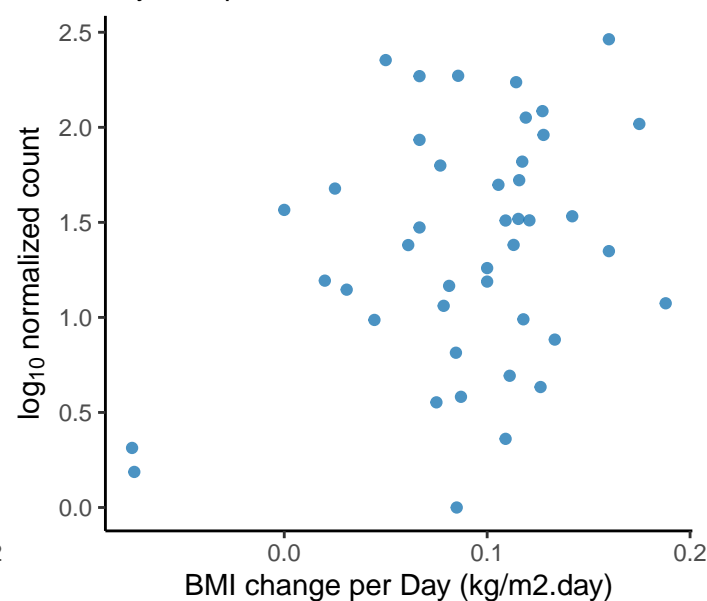
adjusted p = 0.0979

**Ramlibacter**

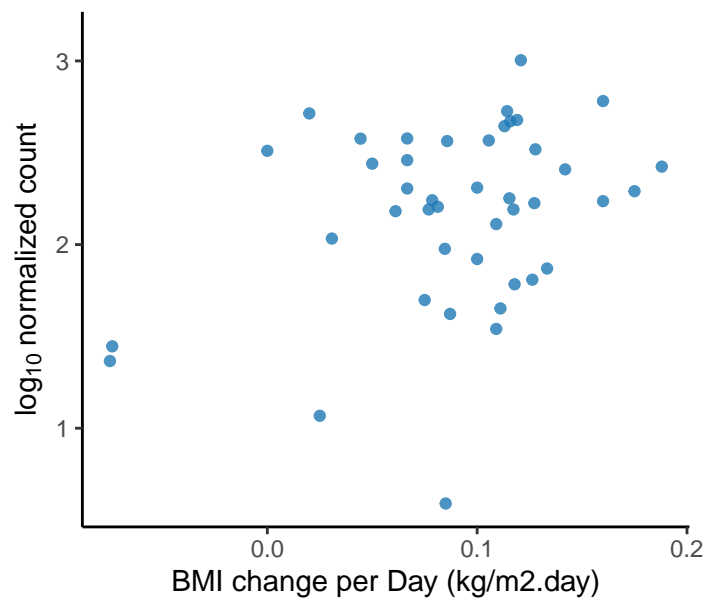
adjusted p = 0.0979

**Salarchaeum**

adjusted p = 0.0979



Cystobacter  
adjusted p = 0.0983



Unclassified Chromatiaceae Family  
adjusted p = 0.0996

